

Town of Braintree
Department of Public Works
Capital Budget - Engineering
Fiscal Years 2022-2026

James Arsenault, PE
Director of Public Works

Town of Braintree
Department of Public Works: Engineering
Schedule H-1 Summary of Capital Budget Request
Fiscal Years 2022-2026

Rank	Reference	Project / Item	Type	New/ Replacement	Age of Replacement	Total Dollars	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
1	E1	Annual Roadway and Infrastructure Program	Construction/Renovation	Replacement	20+	8,500,000	1,700,000	1,700,000	1,700,000	1,700,000	1,700,000
2	E2	Pearl St at Ivory St and John Mahar Hwy - Intersection Reconstruction	Construction/Renovation	Replacement	20+	650,000	650,000	-	-	-	-
3	E3	ADA Right-of-Way Upgrades	Construction/Renovation	Replacement	20+	1,500,000	300,000	300,000	300,000	300,000	300,000
4	E4	Traffic Signal Maintenance and Replacement	Construction/Renovation	Replacement	20+	300,000	100,000	50,000	50,000	50,000	50,000
5	E5	Large Format Scanner / Plotter	Capital Equipment	Replacement	10+	12,000	-	12,000	-	-	-
Totals						10,962,000	2,750,000	2,062,000	2,050,000	2,050,000	2,050,000

**Town of Braintree
 Department of Public Works: Engineering
 Capital Improvement Project Request Form
 Schedule G-2 Construction/Renovation
 Fiscal Year 2022-Reference E1**

- 1. Department: DPW
- 2. Sub-Department: Engineering
- 3. Date: 1/10/2022
- 4. Contact Person: John Thompson
- 5. Contact Title: Assistant Director/Town Engineer
- 6. Phone: 781-794-8013
- 7. Project Name: Annual Roadway and Infrastructure Program
- 8. Costs: \$8,500,000
- 9. Expenditure Schedule:
 - FY22 \$1,700,000
 - FY23 \$1,700,000
 - FY24 \$1,700,000
 - FY25 \$1,700,000
 - FY26 \$1,700,000
- 10. Planning & Design: Included
- 11. Site Improvement & Utilities:
 - FY22 \$1,700,000
 - FY23 \$1,700,000
 - FY24 \$1,700,000
 - FY25 \$1,700,000
 - FY26 \$1,700,000
- 12. Construction/renovation:
- 13. Other (Specify):
- 14. Cost Totals: \$8,500,000

15. Available Aid or Grant (specify): Chapter 90 funds of about \$1M per year will supplement the capital funds to allow the program to continue.

16. Description and Justification: The Town is focused on maintaining town roads to a much more usable condition such that the Town can be proud of its efforts. This began in 2000 with Town Meeting’s passage of a three-year six-million dollar project to begin the process of fixing the roads. It continued with several successful PWED projects and predictable allocation of funds to the effort. With the Charter change implemented in 2008 that commitment was ratcheted up significantly, adding \$1M yearly to the \$700K per year that had been appropriated each year. This capital funding along with the Town’s policy of dedicating all of our appropriations from the State’s “Chapter 90” Program directly to the streets has allowed completion of four complete 3-year “100 Roads Projects.” Over the next five years, the Braintree DPW will continue to aggressively rehabilitate roadways under the Roadway & Infrastructure Program.

17. Submitted by: John Thompson
 Assistant Director/Town Engineer

18. Priority: 1

Town of Braintree CY22 Paving Projects

Roadway	Budgetary Estimate
CY 2022	
Commercial Street (Elm to Front)*	\$775,000.00
Washington Street (Hancock to Taylor)	\$65,000.00
Middle Street (Elm to River)*	\$365,000.00
Argyle Road*	\$105,000.00
Glenrose Avenue*	\$155,000.00
River Street (Railroad to Elm)*	\$102,000.00
Railroad Street*	\$69,000.00
Hooker Street*	\$15,000.00
Cain Avenue*	\$500,000.00
Bradford Road (Cain to Wildwood)*	\$48,000.00
Hawthorn Road	\$718,000.00
Fern Road*	\$115,500.00
O'Toole Terrace	\$135,000.00
Donata Road	\$15,000.00
Marianne Avenue	\$23,000.00
Richard Lane	\$26,000.00
Pearl Street (John Mahar Hwy to Liberty)**	\$600,000.00
Total	\$3,831,500.00

*The costs of roadway reconstruction on streets where the watermain was replaced will be supplemented with Water Capital funding

**The costs of roadway reconstruction on streets where gas mains were replaced will be supplemented by funds from National Grid.

**Town of Braintree
 Department of Public Works: Engineering
 Capital Improvement Project Request Form
 Schedule G-2 Construction/Renovation
 Fiscal Year 2022-Reference E2**

- 1. Department: DPW
- 2. Sub-Department: Engineering
- 3. Date: 1/10/2022
- 4. Contact Person: John Thompson
- 5. Contact Title: Assistant Director/Town Engineer
- 6. Phone: 781-794-8013
- 7. Project Name: Pearl St at Ivory St and John Mahar Hwy - Intersection Reconstruction
- 8. Costs: \$650,000
- 9. Expenditure Schedule:
 - FY22 \$650,000
 - FY23 \$0
 - FY24 \$0
 - FY25 \$0
 - FY26 \$0
- 10. Planning & Design: Previously Completed
- 11. Site Improvement & Utilities:
 - FY22 \$650,000
 - FY23 \$0
 - FY24 \$0
 - FY25 \$0
 - FY26 \$0
- 12. Construction/renovation:
- 13. Other (Specify):
- 14. Cost Totals: \$650,000

15. Available Aid or Grant (specify): We have \$500k available in other local sources to meet the \$1.15M expected total project cost

16. Description and Justification:

This intersection currently sees a very high volume of commuter traffic with its proximity to the MBTA Braintree Red Line station and to the Union Street entrance/exit to State Route 3. North and southbound traffic moves at high rates of speed along the Ivory and John Mahar Highway corridor, making permissive left turns across traffic extremely uncomfortable for drivers. This project will reconstruct the intersection, replacing outdated traffic equipment and increasing the width to provide dedicated and protected left turning lanes while also maintaining two through-lanes along the Ivory/Mahar corridor for handling peak volumes. ADA accessible equipment will be installed and sidewalks and ramps within the intersection will also be replaced to improve operations for all users. The project will also coordinate the subject intersection with the intersection of Ivory Street and the MBTA entrance/exit, to more efficiently move commuting traffic through the corridor.

This project is currently at 95% design, and will be bid-ready by April 2022. The current construction estimate is \$1.15M, with \$500k in local funding available to put towards the project.

17. Submitted by: John Thompson
 Assistant Director/Town Engineer

18. Priority: 2

INTERSECTION IMPROVEMENTS PEARL STREET AT IVORY STREET AND JOHN MAHAR HIGHWAY
TOWN OF BRAINTREE

PRELIMINARY COST ESTIMATE

Item No.	Qty.	Unit	Item Description	Unit Price	Amount
102.1	300	FT	TREE TRIMMING	\$ 25.00	\$ 7,500.00
102.511	1	EA	TREE PROTECTION – ARMORING & PRUNING	\$ 400.00	\$ 400.00
103.	4	EA	TREE REMOVED - DIAMETER UNDER 24 INCHES	\$ 2,500.00	\$ 10,000.00
120.1	350	CY	UNCLASSIFIED EXCAVATION	\$ 50.00	\$ 17,500.00
141.1	10	CY	TEST PIT FOR EXPLORATION	\$ 110.00	\$ 1,100.00
142.	10	CY	CLASS B TRENCH EXCAVATION	\$ 40.00	\$ 400.00
144.	20	CY	CLASS B ROCK EXCAVATION	\$ 150.00	\$ 3,000.00
151.	250	CY	GRAVEL BORROW	\$ 45.00	\$ 11,250.00
170.	810	SY	FINE GRADING AND COMPACTING - SUBGRADE AREA	\$ 10.00	\$ 8,100.00
201.	7	EA	CATCH BASIN	\$ 5,000.00	\$ 35,000.00
202.	1	EA	MANHOLE	\$ 6,000.00	\$ 6,000.00
204.	1	EA	GUTTER INLET	\$ 2,600.00	\$ 2,600.00
220.	22	EA	DRAINAGE STRUCTURE ADJUSTED	\$ 425.00	\$ 9,350.00
220.3	4	EA	DRAINAGE STRUCTURE CHANGE IN TYPE	\$ 1,200.00	\$ 4,800.00
220.5	1	EA	DRAINAGE STRUCTURE REMODELED	\$ 750.00	\$ 750.00
220.7	2	EA	SANITARY STRUCTURE ADJUSTED	\$ 440.00	\$ 880.00
222.3	12	EA	FRAME AND GRATE (OR COVER) MUNICIPAL STANDARD	\$ 900.00	\$ 10,800.00
223.2	5	EA	FRAME AND GRATE (OR COVER) REMOVED AND DISCARDED	\$ 100.00	\$ 500.00
227.3	15	CY	REMOVAL OF DRAINAGE STRUCTURE SEDIMENT	\$ 250.00	\$ 3,750.00
227.31	400	FT	REMOVAL OF DRAINAGE PIPE SEDIMENT	\$ 10.00	\$ 4,000.00
238.10	30	FT	10 INCH DUCTILE IRON PIPE	\$ 150.00	\$ 4,500.00
241.12	20	FT	12 INCH REINFORCED CONCRETE PIPE	\$ 100.00	\$ 2,000.00
358.	1	EA	GATE BOX ADJUSTED	\$ 260.00	\$ 260.00
376.5	1	EA	HYDRANT - ADJUSTED	\$ 1,750.00	\$ 1,750.00
381.	1	EA	SERVICE BOX	\$ 350.00	\$ 350.00
384.	1	EA	CURB STOP	\$ 485.00	\$ 485.00
402.1	25	TON	DENSE GRADED CRUSHED STONE FOR SUB-BASE	\$ 70.00	\$ 1,750.00
415.3	6,200	SY	PAVEMENT MICRO MILLING	\$ 8.00	\$ 49,600.00
431.	120	SY	HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE	\$ 60.00	\$ 7,200.00
440.	1,040	LB	CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL	\$ 0.50	\$ 520.00
443.	5	MGL	WATER FOR ROADWAY DUST CONTROL	\$ 70.00	\$ 350.00
451.	45	TON	HMA FOR PATCHING	\$ 230.00	\$ 10,350.00
452.	450	GAL	ASPHALT EMULSION FOR TACK COAT	\$ 7.50	\$ 3,375.00
453.	3,300	FT	HMA JOINT SEALANT	\$ 1.00	\$ 3,300.00
450.23	630	TON	SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5)	\$ 150.00	\$ 94,500.00
450.31	30	TON	SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC -12.5)	\$ 150.00	\$ 4,500.00
450.41	25	TON	SUPERPAVE BASE COURSE - 25.0 (SBC - 25.0)	\$ 125.00	\$ 3,125.00
472.	30	TON	TEMPORARY ASPHALT PATCHING	\$ 220.00	\$ 6,600.00
482.5	950	FT	SAWCUTTING ASPHALT PAVEMENT FOR BOX WIDENING	\$ 3.00	\$ 2,850.00
504.	100	FT	GRANITE CURB TYPE VA4 - STRAIGHT	\$ 55.00	\$ 5,500.00
504.1	95	FT	GRANITE CURB TYPE VA4 - CURVED	\$ 60.00	\$ 5,700.00
509.	35	FT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - STRAIGHT	\$ 60.00	\$ 2,100.00
509.1	120	FT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - CURVED	\$ 65.00	\$ 7,800.00

INTERSECTION IMPROVEMENTS PEARL STREET AT IVORY STREET AND JOHN MAHAR HIGHWAY
TOWN OF BRAINTREE

PRELIMINARY COST ESTIMATE

Item No.	Qty.	Unit	Item Description	Unit Price	Amount
514.	5	EA	GRANITE CURB INLET - STRAIGHT	\$ 513.00	\$ 2,565.00
580.	900	FT	CURB REMOVED AND RESET	\$ 30.00	\$ 27,000.00
620.13	350	FT	GUARDRAIL, TL-3 (SINGLE FACED)	\$ 35.00	\$ 12,250.00
620.33	160	FT	GUARDRAIL - CURVED, TL-3 (SINGLE FACED)	\$ 40.00	\$ 6,400.00
627.1	5	EA	TRAILING ANCHORAGE	\$ 2,500.00	\$ 12,500.00
627.83	5	EA	GUARDRAIL TANGENT END TREATMENT, TL-3	\$ 5,000.00	\$ 25,000.00
628.21	5	EA	TRANSITION TO NCHRP 350 GUARDRAIL	\$ 1,750.00	\$ 8,750.00
630.2	700	FT	HIGHWAY GUARD REMOVED AND DISCARDED	\$ 6.00	\$ 4,200.00
697.1	8	EA	SILT SACK	\$ 200.00	\$ 1,600.00
701.	445	SY	CEMENT CONCRETE SIDEWALK	\$ 75.00	\$ 33,375.00
701.1	35	SY	CEMENT CONCRETE SIDEWALK AT DRIVEWAYS	\$ 80.00	\$ 2,800.00
701.2	100	SY	CEMENT CONCRETE PEDESTRIAN CURB RAMP	\$ 100.00	\$ 10,000.00
702.	1	TON	HOT MIX ASPHALT SIDEWALK OR DRIVEWAY	\$ 220.00	\$ 220.00
748.	1	LS	MOBILIZATION	\$ 26,000.00	\$ 26,000.00
751.	75	CY	LOAM BORROW	\$ 60.00	\$ 4,500.00
765.	520	SY	SEEDING	\$ 2.25	\$ 1,170.00
767.121	1,210	FT	SEDIMENT CONTROL BARRIER	\$ 10.00	\$ 12,100.00
804.3	500	FT	3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL)	\$ 50.00	\$ 25,000.00
811.22	2	EA	ELECTRIC HANDHOLE - SD2.022	\$ 1,500.00	\$ 3,000.00
811.31	4	EA	PULL BOX 12 X 12 INCHES - SD2.031	\$ 1,200.00	\$ 4,800.00
811.37	6	EA	ELECTRIC HANDHOLE ADJUSTED	\$ 350.00	\$ 2,100.00
812.091	1	LS	LIGHT STANDARD FOUNDATION ADJUSTED	\$ 2,100.00	\$ 2,100.00
816.01	1	LS	TRAFFIC SIGNAL RECONSTRUCTION LOCATION NO. 1	\$ 212,000.00	\$ 212,000.00
832.	75	SF	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A)	\$ 15.00	\$ 1,125.00
847.1	4	EA	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL	\$ 150.00	\$ 600.00
848.1	4	EA	SIGN SUP (N/GUIDE)+RTE MKR W/2 BRKWAY POST ASSEMBLIES-STEEL	\$ 250.00	\$ 1,000.00
851.1	180	DAY	TRAFFIC CONES FOR TRAFFIC MANAGEMENT	\$ 100.00	\$ 18,000.00
852.	500	SF	SAFETY SIGNING FOR TRAFFIC MANAGEMENT	\$ 20.00	\$ 10,000.00
852.11	300	FT	TEMPORARY PEDESTRIAN BARRICADE	\$ 35.00	\$ 10,500.00
852.12	4	EA	TEMPORARY PEDESTRIAN CURB RAMP	\$ 1,000.00	\$ 4,000.00
853.1	4	EA	PORTABLE BREAKAWAY BARRICADE TYPE III	\$ 130.00	\$ 520.00
854.016	6,600	FT	TEMPORARY PAVING MARKINGS - 6 INCH (PAINTED)	\$ 0.35	\$ 2,310.00
854.036	700	FT	TEMPORARY PAVING MARKINGS - 6 INCH (TAPE)	\$ 1.50	\$ 1,050.00
854.1	50	SF	PAVEMENT MARKING REMOVAL	\$ 2.00	\$ 100.00
856.	360	DAY	ARROW BOARD	\$ 10.00	\$ 3,600.00
859.	9,000	DAY	REFLECTORIZED DRUM	\$ 0.30	\$ 2,700.00
864.02	50	SF	PAVEMENT ARROW AND LEGENDS - TAPE	\$ 50.00	\$ 2,500.00
864.04	550	SF	PAVEMENT ARROWS AND LEGENDS REFLECTORIZED WHITE (THERMOPLASTIC)	\$ 20.00	\$ 11,000.00
866.104	2,700	FT	4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$ 1.50	\$ 4,050.00
866.112	1,300	FT	12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$ 5.00	\$ 6,500.00
867.104	1,800	FT	4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	\$ 1.50	\$ 2,700.00

INTERSECTION IMPROVEMENTS PEARL STREET AT IVORY STREET AND JOHN MAHAR HIGHWAY
TOWN OF BRAINTREE

PRELIMINARY COST ESTIMATE

Item No.	Qty.	Unit	Item Description	Unit Price	Amount
874.	8	EA	STREET NAME SIGN	\$ 150.00	\$ 1,200.00
874.51	1	LS	MISCELLANEOUS SIGNS REMOVED AND DISCARDED	\$ 1,000.00	\$ 1,000.00
SUBTOTAL CONTRACT PAY ITEMS					\$880,030.00
PLUS 20% CONTINGENCY					\$176,000.00
CONSTRUCTION COST					\$1,056,030.00
TRAFFIC POLICE (8%)					\$84,000.00
TOTAL ESTIMATED COST					\$1,140,030.00
SAY					\$1,150,000.00

**Town of Braintree
 Department of Public Works: Engineering
 Capital Improvement Project Request Form
 Schedule G-2 Construction/Renovation
 Fiscal Year 2022-Reference E3**

- | | |
|---------------------------------------|--|
| 1. Department: | DPW |
| 2. Sub-Department: | Engineering |
| 3. Date: | 1/10/2022 |
| 4. Contact Person: | John Thompson |
| 5. Contact Title: | Assistant Director/Town Engineer |
| 6. Phone: | 781-794-8013 |
| 7. Project Name: | ADA Sidewalk and Right-of-Way Upgrades |
| 8. Costs: | \$1,500,000 |
| 9. Expenditure Schedule: | |
| FY22 | \$300,000 |
| FY23 | \$300,000 |
| FY24 | \$300,000 |
| FY25 | \$300,000 |
| FY26 | \$300,000 |
| 10. Planning & Design: | Included |
| 11. Site Improvement & Utilities: | |
| FY22 | \$300,000 |
| FY23 | \$300,000 |
| FY24 | \$300,000 |
| FY25 | \$300,000 |
| FY26 | \$300,000 |
| 12. Construction/renovation: | |
| 13. Other (Specify): | |
| 14. Cost Totals: | \$1,500,000 |
| 15. Available Aid or Grant (specify): | Complete Streets Grant Funding is available in varying amounts to supplement the Town's capital investments |
| 16. Description and Justification: | The Town has committed itself to prioritizing ADA improvements and "complete streets" initiatives. While the DPW has made huge strides in addressing the severely deteriorated roadway conditions throughout the town, there remains a backlog of work on sidewalks that could not be addressed due to the aggressive nature of the roadway program. Sidewalk reconstruction is extremely expensive, time consuming, and can greatly impact our ability to complete all of our planned roadway projects on an annual basis. Depending on the treatments chosen, the inclusion of sidewalk reconstruction on a roadway project can increase the cost of the overall project up to seven times! This additional funding will allow us to undertake priority sidewalk, wheelchair ramp, and ADA improvement projects on a recurring annual basis. |
| 17. Submitted by: | John Thompson
Assistant Director/Town Engineer |
| 18. Priority: | 3 |

TOWN OF BRAINTREE
FY22 - ADA / SIDEWALK INSTALLATION ESTIMATE

Various Locations

Length: 2500FT

Sidewalks installed on both sides of the roadway

Scope:

Excavate existing materials, install granite curbing as necessary, pave 5FT wide HMA sidewalks, pave HMA driveway aprons to meet new sidewalks, Install ADA compliant curb ramps with tactile pads, install ADA pedestrian push buttons as necessary, and install loam and seed to restore private property and grade to the new sidewalks

ITEM	UNITS	UNIT PRICE	QUANTITY	TOTAL
Bituminous Concrete Sidewalk - New Construction	LF	\$41.66	2610.00	\$108,750.00
Gravel	CY	\$55.00	110.00	\$6,050.00
Granite Curb- Straight (Supply and Set)	LF	\$55.00	2000.00	\$110,000.00
Loam & Hydro-Seed [4" Depth]	SY	\$15.00	900.00	\$13,500.00
Sawcutting	LF	\$3.00	2000.00	\$6,000.00
Cement Concrete Wheelchair Ramps - New Construction	EA	\$1875.00	4.00	\$7,500.00
Handicap Ramp Tactile Strips	EA	\$200.00	4.00	\$800.00
Accessible Pedestrian Push Button	EA	\$900.00	4.00	\$3,600.00

SUBTOTAL	\$256,200.00
+20% CONTINGENCY	\$51,240.00
TOTAL \$	\$ 307,440.00

**Town of Braintree
 Department of Public Works: Engineering
 Capital Improvement Project Request Form
 Schedule G-2 Construction/Renovation
 Fiscal Year 2022-Reference E4**

1. Department: DPW
 2. Sub-Department: Engineering
 3. Date: 1/10/2022
 4. Contact Person: John Thompson
 5. Contact Title: Assistant Director/Town Engineer
 6. Phone: 781-794-8013
 7. Project Name: Traffic Signal Maintenance and Replacement
 8. Costs: \$300,000
 9. Expenditure Schedule:

FY22	\$100,000
FY23	\$50,000
FY24	\$50,000
FY25	\$50,000
FY26	\$50,000

10. Planning & Design: Included

11. Site Improvement & Utilities:

FY22	\$100,000
FY23	\$50,000
FY24	\$50,000
FY25	\$50,000
FY26	\$50,000

12. Construction/renovation:

13. Other (Specify):

14. Cost Totals: \$300,000

15. Available Aid or Grant (specify): A portion of the Chapter 90 funds can supplement the capital funds but that would reduce the amount available to the roads program.

16. Description and Justification: Many of the Town’s traffic signals are not functioning optimally, but can’t be re-programmed or have new peripherals added due to antiquated or obsolete components. Other signal systems have rusted cabinets or poles, etc. Federal mandates must also be implemented, including the installation of count-down pedestrian signal heads, 12 inch lenses and accommodations to meet ADA standards. The Engineering Department completed a Traffic Signal Inventory last year which uncovered numerous operational deficiencies at multiple locations that can be corrected in the short term (faulty vehicle detection, malfunctioning signal equipment, etc) that, once corrected, can make an immediate beneficial impact to the traveling public. The short-term improvements at every town owned intersection will require approximately \$235k in funding if all were to be completed. Rather than fund all of the repairs at once, we are attempting to prioritize the high traffic intersections first, and complete the remaining repairs over several out years. See attached estimate.

17. Submitted by: John Thompson
 Assistant Director/Town Engineer

18. Priority: 4

TS001. GRANITE STREET AT POND STREET/KING HILL ROAD

- Consider full traffic signal upgrade at this intersection with all new signal posts, mast arms, vehicle signals, pedestrian signals, and pushbuttons. Replacement/upgrade of traffic signal cabinet, controller, detection, and all associated hardware to provide a complete functioning traffic signal control. TBD
 - Replace cabinet filter. \$100
 - Signal Post P001 – repair/replace burnt out “DON’T WALK” pedestrian signal head. \$2,000
 - Signal Post P002 – repair/replace burnt out “DON’T WALK” pedestrian signal head. \$2,000
 - Mast Arm MA002 – repair/replace burnt out “DON’T WALK” pedestrian signal head and replace missing visor. \$2,250
 - Mast Arm MA002 – repair/replace burnt out “DON’T WALK” pedestrian signal head and repair/replace bent visor. \$2,250
 - Signal Post P003 – repair/replace burnt out “DON’T WALK” pedestrian signal head and repair/replace bent visor. \$2,250
 - Mast Arm MA001 – repair/replace bent pedestrian signal head visor. \$250
- \$11,100

TS002. GRANITE STREET AT TOWN STREET

- Strain Pole SP002 – repair broken/crumbling foundation. \$2,500

TS003. COMMON STREET AT SOUTH SHORE PLAZA

- Repair/replace controller to fix the screen visibility issue. \$6,000
 - Strain Pole Signal SPS004 – replace the burnt-out red ball indication. \$350
 - Strain Pole SP002 – replace broken backplate for vehicular signal head. \$300
- \$6,650

TS004. WASHINGTON STREET AT HANCOCK STREET/PEARL STREET

- Replace missing lightbulb in cabinet. \$50
 - Signal Post P001 – replace missing vehicle signal head visors for yellow ball and green ball indications. \$500
- \$550

TS005. WASHINGTON STREET AT JFK MEMORIAL DRIVE

- No outstanding issues at this intersection.

TS006. WASHINGTON STREET AT CENTRAL AVENUE/UNION PLACE

- Repair/replace controller to solve the screen visibility issue. \$6,000

TS007. WASHINGTON STREET AT UNION STREET

- Update controller date and time. \$50
 - Signal Post P003 – repair broken pedestrian signal head audio. \$1,000
- \$1,050

TS008. WASHINGTON STREET AT WEST STREET

- Repair/replace broken cabinet and door. \$10,000
 - Signal Post P001 – replace missing signal lens cover for green arrow. \$100
- \$10,100

TS009. WASHINGTON STREET AT ELM STREET/STORRS AVENUE

- Strain Pole SP002 – replace bent backplate for vehicular signal head. \$300
 - Signal Post P002 – consider relocating pedestrian signal heads off of light pole to new signal post, including new post, foundation, conduit connection and wiring. \$15,000
 - Signal Post P004 – replace missing pedestrian signal head visor. \$250
 - Signal Post P004 – replace missing vehicle signal head visor for green ball indication. \$250
 - Signal Post P005 – consider relocating pedestrian signal heads off of light pole to new signal post, including new post, foundation, conduit connection and wiring. \$15,000
- \$30,800

TS010. PEARL STREET AT IVORY PLAZA/PEARL PLAZA

- Replace missing lightbulb in cabinet. \$50
 - Update controller date and time. \$50
 - Mast Arm MA001 – repair/replace pedestrian signal head. \$2,000
 - Mast Arm MA001 – replace missing vehicle signal head visor for red ball indication. \$250
 - Mast Arm MA002 – repair/replace pedestrian signal head. \$2,000
- \$4,350

TS011. PEARL STREET AT JOHN W MAHAR HIGHWAY/IVORY STREET

• Update controller date and time.	\$50
• Update controller coordination data for communication with other interconnected locations.	\$1,000
• Mast Arm MA001 – replace all vehicular signal head indications with new LED signal lens.	\$3,150
• Mast Arm MA002 – replace vehicular signal head 2 indications with new LED signal lens.	\$1,050
• Mast Arm MA003 – replace all vehicular signal head indications with new LED signal lens.	\$2,100
• Mast Arm MA004 – replace all vehicular signal head indications with new LED signal lens.	\$2,100
• Mast Arm MA004 – replace missing vehicle signal head 1 visors for red ball, yellow ball and green ball indications.	<u>\$750</u>
	\$10,200

TS012. IVORY STREET AT BRAintree MBTA STATION PARKING GARAGE/COVANTA TRANSFER STATION

• Mast Arm MA001 – repair/replace/inspect dented mast arm.	\$10,000
• Mast Arm MA001 – repair/replace vehicular signal head 1.	\$3,000
• Mast Arm MA001 – replace missing vehicle signal head visors for two green arrow indications for vehicle signal head 2.	\$500
• Mast Arm MA002 – replace missing vehicle signal head visors for green ball indications for vehicle signal head 1.	\$250
• Mast Arm MA002 – replace all vehicular signal head indications with new LED signal lens.	\$2,100
• Mast Arm MA003 – replace vehicular signal head 2 indications with new LED signal lens.	<u>\$1,050</u>
	\$16,900

TS013. UNION STREET AT IVORY STREET/GROSSMAN DRIVE

• Signal Post P003 – repair/replace pedestrian signal head.	\$2,000
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TS014. ELM STREET AT CHURCH STREET

• Update controller date and time.	\$50
• Repair vehicle loop detection for the eastbound approach and southbound right turn lane.	\$12,000
• Repair cabinet lock.	\$1,500
• Signal Post P003 – repair/replace pedestrian signal head.	<u>\$2,000</u>
	\$15,550

TS015. ELM STREET AT ADAMS STREET/HAWTHORNE ROAD/MIDDLE STREET

• Update controller date and time.	\$50
• Repair vehicle loop detection for the Adams Street approach.	\$5,000
• Signal Post P003 – repair/replace pedestrian signal head “DON’T WALK” indication.	\$2,000
• Signal Post P005 – repair/replace pedestrian signal head “DON’T WALK” indication.	\$2,000
• Signal Post P013 – repair/replace pedestrian signal head “DON’T WALK” indication.	\$2,000
• Signal Post P014 – repair/replace pedestrian signal head.	\$2,000
• Signal Post P015 – repair/replace pedestrian signal head.	\$2,000
• Strain Pole SP001 – repair/replace pedestrian signal head 1 “WALK” indication.	\$2,000
• Strain Pole SP002 – replace all vehicular signal head indications with new LED signal lens.	\$1,050
• Strain Pole SP002 – replace missing vehicle signal head visor for green ball indication.	\$250
• Strain Pole Signal SPS001 – replace all vehicular signal head indications with new LED signal lens.	\$2,100
• Strain Pole Signal SPS005 – replace broken backplate for vehicular signal head.	\$300
• Strain Pole Signal SPS006 – replace broken backplate for vehicular signal head.	\$500
• Mast Arm MA001 – replace vehicular signal head 2 indications with new LED signal lens.	\$1,050
• Mast Arm MA001 – replace vehicular signal head 3 indications with new LED signal lens.	<u>\$1,050</u>
	\$23,350

TS016. ELM STREET AT HAYWARD STREET/COMMERCIAL STREET

• Signal Post P003 – replace missing pedestrian signal head visor.	\$250
• Signal Post P005 – repair/replace pedestrian signal head 2 “WALK” indication.	<u>\$2,000</u>
	\$2,250

TS017. HAYWARD STREET AT SHAW STREET

• Consider full traffic signal upgrade at this intersection with all new signal posts, mast arms, vehicle signals, pedestrian signals, and pushbuttons. Replacement/upgrade of traffic signal cabinet, controller, detection, and all associated hardware to provide a complete functioning traffic signal control.	TBD
• Signal Post P001 – repair/replace pedestrian signal head.	\$2,000
• Signal Post P001 – replace all vehicular signal head indications with new LED signal lens.	\$2,100

- Signal Post P002 – repair/replace bent pedestrian signal head visor. \$250
 - Signal Post P003 – replace all vehicular signal head indications with new LED signal lens. \$1,050
 - Mast Arm MA001 – replace all vehicular signal head indications with new LED signal lens. \$3,150
 - Mast Arm MA002 – repair/replace pedestrian signal head. \$2,000
 - Mast Arm MA002 – replace all vehicular signal head indications with new LED signal lens. \$3,150
- \$13,700

TS018. HOWARD STREET AT SHAW STREET

- Signal Post P001 – repair/replace pedestrian signal head “DON’T WALK” indication. \$2,000
 - Signal Post P001 – replace missing vehicle signal head visor for green ball indication. \$250
 - Signal Post P002 – repair/replace pedestrian signal head 1 “DON’T WALK” indication. \$2,000
 - Signal Post P003 – repair/replace pedestrian signal head “DON’T WALK” indication. \$2,000
- \$6,250

TS019. UNION STREET AT MIDDLE STREET

- Replace all faded pedestrian pushbutton signs. \$400
 - Signal Posts P006 – repair pedestrian pushbutton locator tone and audible message. \$1,500
 - Mast Arm MA003 – repair/replace broken pedestrian signal head visor. \$250
- \$2,150

TS020. UNION STREET AT COMMERCIAL STREET AT LIBERTY STREET

- No outstanding issues at this intersection.

TS021. COMMERCIAL STREET AT QUINCY AVENUE (ROUTE 53)/F.L. WRIGHT CONNECTOR

- Signal Post P002 – repair/replace bent pedestrian signal head visor.
\$250
 - Signal Post P003 – repair/replace bent vehicular signal head visors.
\$750
 - Repair/replace broken cabinet door and lock.
\$5,000
 - Repair vehicle video detection for the entire intersection, including cameras,
video processors, cabling and programming. \$60,000
- \$66,000**

TS022. COMMERCIAL STREET (ROUTE 53) AT BROOKSIDE ROAD

- Signal Post P003 – replace missing vehicle signal head visor for red ball
indication. \$2,000

TS023. COMMERCIAL STREET AT ADAMS PLAYGROUND

- No outstanding issues at this intersection.

ADDITIONAL IMPROVEMENTS

Along with recommended repairs to existing equipment at each location, additional improvements could be performed at intersections in regards to Accessible Pedestrian Signals. As each intersection varies on the size and number of crosswalks, pedestrian signals/pushbuttons, general estimated costs associated with these improvements are listed below, but would vary on a case by case basis:

- Replacing non-APS pushbutton with new APS pushbutton
\$1,500/each
- Remove and resetting signal post for APS compliance
\$2,500/each

Estimated Total Repairs = \$300,000

Town of Braintree
Department of Public Works: Engineering
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference E5

1. Department: DPW
 2. Sub-Department: Engineering
 3. Date: 1/10/2022
 4. Contact Person: John Thompson
 5. Contact Title: Assistant Director/Town Engineer
 6. Phone: 781-794-8013
 7. Project Name: Large Format Scanner/Plotter/Copier
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 1
 10. Purpose of Expenditure (check as appropriate):

- (v) Scheduled replacement
- (v) Replace worn-out equipment
- () Expanded service
- () Increased safety
- () Present equipment obsolete
- () Reduce personnel time
- () New operation
- () Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year: 250
 Average days per week: 5
 Estimated life in years: 5

12. Purchase Price	Per Unit	Total	
Cost:	\$11,500	\$11,500	
Plus Installation or other costs:	\$3,500	\$3,500	Annual service contract for 5 yrs
Less Trade-in/other discounts:	(\$3,000)	(\$3,000)	
Net Purchase:	\$12,000	\$12,000	

13. Replaced Equipment
 Item: Oce
 Make: Large format copier
 Age: 20+ years
 Item: Hewlett-Packard
 Make: Large format scanner/ plotter
 Age: 9 years

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A

16. Comments: The large format Oce copier is over 20 years old and must be replaced. The large format HP scanner / plotter currently in use is nearing the end of its service life. It is used daily and is an essential part of our mission. If the plotter is down development of our projects and preparation of graphics requested by other departments will come to a halt. Repair costs will become an issue with this older machine.

17. Submitted by: John Thompson
 Assistant Director/Town Engineer

18. Priority: 5

Proposal for Document Copying, Printing & Scanning



Solution For **Town of Braintree**

Prepared By:
Steve Hamwey
Vice President of Sales

Date Presented:
January 13, 2021

TOPAZ Engineering Supply Inc. 35 Pond Park Road, Hingham MA 02043
Phone: (781) 749-8687 Fax: (781) 749-9465
Cell: (508) 328-7139



Proposed Solution



1 HP T2600ps MFP 36" Color DesignJet Printer/ Copier/ Scanner

Purchase price	\$11,495.00
Trade-in value for old plotter	-\$3,000.00
Total purchase price	\$8,495.00- Dual Roll

Pricing valid till January 29th, 2021 or while supplies last and includes all trade in promotions

Features:

- 2400 dpi Line Drawings, 1200 dpi Color Images
- Fast: 18 sec/page on D/A1, 180 D/A1 prints per hour
- Maximum Roll Length 300 Ft.
- **2 front loading rolls; automatic roll-switching; automatic cutter**
- **128 GB dedicated file-processing memory, 500 GB hard disk**
- 1 Gigabit Ethernet (1000Base-T) port- Network Ready
- **Radically simple experience with a 15.6-inch interface and the easy PDF printing with HP Click**
- Print from folder or USB
- **Integrated output stacking tray holding up to 100 sheets**
- Ability to batch print PDF files
- Re-name files right from the screen
- Scan to multiple mailboxes
- Scan drawings to create print-ready files & update to the web
- Scan speed Color: 3 in/sec, Grayscale: 10 in/sec
- Web Enabled w/ automatic firmware & feature updates
- Scans to file formats **(multipage pdf)** .pdf, .tiff, .jpeg
- **Email files directly to machine from anywhere**

Installation and Equipment Set-Up

Warranty

Freight

Terms

Taxes

Installation and training included
1 year parts, labor and travel from HP
Free Delivery, **1st floor ground level access**
Sign new lease contract or PO due in 30 days
All Applicable

Service Contract for T2600ps

	MSRP	Your Cost
3 year total warranty	\$1,835.00	\$1,559.00
5 year total warranty	\$3,495.00	\$2,970.00

(On-site service includes all parts, labor and travel time)

60 month FMV Lease **\$156.00 per month**
(Equipment Only)

60 month FMV Lease **\$211.00 per month**
(Equipment with 5 years on-site service, all parts, labor and travel)

Recommended Supplies by Topaz and HP

We recommend placing at least 1 additional ink cartridge in stock for backup and a few rolls of paper. The ink cartridges have a shelf life of over 2 years, so you do not have to worry about them going bad.

P2V71A	Matte Black Cartridge 300 ML	_____	\$129.33
P2V73A	Photo Black Ink Cartridge 300 ML	_____	\$129.33
P2V68A	Cyan Ink Cartridge 300 ML	_____	\$129.33
P2V69A	Magenta Ink Cartridge 300 ML	_____	\$129.33
P2V70A	Yellow Ink Cartridge 300 ML	_____	\$129.33
P2V72A	Gray Ink Cartridge 300 ML	_____	\$129.33
TIJ130399	36" x 300" rolls of Bond Paper	_____	\$25.26 / roll
TIJ130399	30" x 300' rolls of Bond Paper	_____	\$25.90 / roll

Thanks again for considering TOPAZ Engineering Supply, Inc. for your wide format needs. If you have any questions or need more information please call me directly on my cell phone at 508-328-7139 or at the office at 781-749-8687. Thanks again and I look forward to speaking to you soon.

Sincerely,



Steve Hamway
Vice President of Sales

HP DesignJet T2600 Multifunction Printer series



ENGINEERED FOR COLLABORATION—Turn your workgroups into highly efficient teams

TOPAZ ENGINEERING
SUPPLY, INC.
EQUIPMENT | SUPPLIES | SERVICE - SINCE 1980



SEAMLESS EXPERIENCE—Designed for all

- Radically simple experience with a 15.6-inch Interface and the easy PDF printing with HP Click.⁴
- Engage in a collaborative workstyle with teams by quickly accessing shared folders to print and scan.³
- Empower your workforce. Easily print and share jobs from the cloud with your mobile device and HP Smart app.
- Fits in your workplace as the most compact 36 inch All in One and quietest operation, with up to 87% less noise.²

UNLEASH PERFORMANCE—To turn design into delivery

- Showcase design versatility from precise line drafts to boldly colored 3D renders, with HP Bright Office Inks.
- Provide the highest accuracy and display the finest details with the unique Adobe PDF Print Engine.⁵
- Meet deadlines with speeds up to 180 D/hr, the industries only Integrated stacker², and dual rolls.⁶
- Easily digitize your projects with automated scanning, user-centric quicksets, and post-editing capabilities.

SECURE—World's most secure large-format printer¹

- Best of class network protection with features like HP Secure Boot and whitelisting
- Control who accesses the printer and its confidential documents with secure user authentication features.
- Keep your fleet secure with HP JetAdvantage Security Manager.

For more information, please visit <http://www.hp.com/go/designjett2600>

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at: <http://www.hp.com/go/learnaboutsupplies>

¹ Advanced embedded security features are based on HP review of 2019 published embedded security features of competitive printers, as of February 2019.

² Based on comparable large-format inkjet printers under \$12,000 (USD) as of December, 2018. IDC figures show that Canon, Epson, and HP combine for 98% share of this printing category worldwide as of Q3, 2018. Most compact footprint calculated using all devices in "Operation mode" with an Open Basket and the arm of the Screen (front panel) spread out to enable user interaction and the scanner lifted on the Canon TX 3000 T36 MFP and the Epson SC-T5200 MFP to enable top media loading. Most quiet according to internal HP testing of sound pressure level during operating mode (plain paper, line drawing, Normal mode) compared to published specification of competitive printers. Percentage calculations of noise based on lineal units vs. Canon TX-3000 published spec of 51dB(A). Fastest print speed based on sustained printing speeds. Only automatic print stacking based on unity of the Integrated stacker versus competitive printers only offering basket or bin with stacking position.

³ Using Lightweight Directory Access Protocol (LDAP).

⁴ Compared to Canon Direct Print & Share and based on "One Click Print." Once image is selected, one-click printing when positioning the entire file without any modifications to the print settings. Applicable to PDF, JPEG, TIFF, DWF, HP-GL/2 files.

⁵ Requires purchase of the HP DesignJet T2600 PostScript® models or optional HP DesignJet PostScript/PDF Upgrade Kit. Highest accuracy and finest details compared to printers without the embedded Adobe technology excluding RIP users, and based on internal HP testing with PDF files containing special fonts, PANTONE® colors, smooth shading, overprint, and transparencies that can only be reproduced using the Adobe PDF Print Engine. The Adobe PDF Print Engine (APPE) is Adobe's high speed, high fidelity print platform. To learn more, visit <http://www.adobe.com/products/pdfprintengine>.

⁶ Dual rolls included with HP DesignJet T2600 multifunction printers only.

Technical specifications

Print	
Print speed	180 A1/D hr, A1/D in 19.3 sec on plain media ¹
Print resolution	Up to 2400 x 1200 optimized dpi
Technology	HP Thermal Inkjet
Margins	Roll: 3 x 3 x 3 x 3 mm (0.12 x 0.12 x 0.12 x 0.12 in) Sheet: 3 x 22 x 3 x 3 mm (0.12 x 0.87 x 0.12 x 0.12 in)
Ink types	Dye-based (C, M, Y, BK); Pigment-based (mK)
Printheads	1 universal printhead
Line accuracy	±0.1% ²
Minimum line width	0.0008 in (0.02 mm) (PDF addressable @ 1200 dpi)
Multifunction capabilities	
Scan speed	Scans: Up to 3 in/sec (7.62 cm/sec) color at 200 dpi, up to 10 in/sec (25.4 cm/sec) grayscale at 200 dpi Copy: Up to 6 in/sec (15.24 cm/sec) color at 200 dpi, up to 10 in/sec (25.4 cm/sec) grayscale at 200 dpi
Scan resolution	Up to 600 dpi
Maximum scan size	Maximum scan width: JPEG-36 x 315 in (914 x 8000 mm); TIFF-24 x 590.5 in (610 x 15,000 mm); PDF-36 x 315 in (914 x 8000 mm) ³
Thickness	0.03 in (0.8 mm)
Scan format	JPEG, TIFF and multipage TIFF, PDF and multipage PDF ⁴
Scan destinations	USB, shared network folder, printer HDD, email
Media	
Handling	Sheet feed, front-loading roll feed, roll switching ⁵ , integrated 100 page output stacker, media bin, automatic horizontal cutter Scanner: straight-through scan paper path for sheet and cardboard originals
Sheet size	8.3 x 11 to 36 x 48 in (210 x 279 to 914 x 1219 mm)
Roll size	11 to 36 in (279 to 914 mm) holds up to 300ft
Standard sheets	A4, A3, A2, A1, A0 (A, B, C, D, E)
Grammage	60 to 328 g/m ²
Thickness	Up to 0.5 mm (19.7 mil)
Applications	Line drawings; Maps; Orthophotos; Presentations; Renderings
Memory	128 GB (file processing) ⁶
Hard disk	500 GB self-encrypting
Connectivity	
Interfaces	Gigabit Ethernet (1000Base-T), supporting the following standards: TC/IPv6 BootP/DHCP (IPv4 only), DHCPv6, TFTP (IPv4 only), SNMP (v1, v2c, v3), Apple Bonjour Compatible, WS Discovery, Embedded Web Server (HTTP, HTTPS), IPsec, SMTP (email), Raw IP printing (S100, LFD, IP, WS print, NPL v2, SMI v3, SSI/TLS, B02 1x authentication (LEAP, PEAP, EAP-TLS), DFS
Print languages (standard)	PostScript Printer; Adobe PostScript 3, Adobe PDF 1.7, HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4
Print languages (optional)	Adobe PostScript 3, Adobe PDF 1.7
Printing paths	Direct printing from USB flash drive, print from network shared folder, email printing, HP driver for Windows, HP Print Service for Android, Apple AirPrint driver for macOS and for iOS, HP Print for Chrome OS, HP Click, HP Smart App for iOS and Android
Drivers	PostScript Printer; Raster, PostScript and PDF drivers for Windows, AirPrint for macOS
Security features	HP Secure Boot, Whitelisting, TPM, Role Based Access Control, LDAP and Kerberos authentication, SNMPv3, HTTPS, Secure-IP, IPsec/Firewall, Certificates management, B02.1X, TLS 1.0/1.1/1.2, HP Web Jetadmin compatible, HP JetAdvantage Security Manager compatible, Secure Disk erase (DoD 5220.22-M), Secure File erase, self-encrypting HDD, encrypted PIN printing, Syslog security logging
Dimensions (w x d x h)	
Printer	55 x 30 x 49 in (1390 x 760 x 1240 mm)
Shipping	58.3 x 30.3 x 32 in (1480 x 770 x 810 mm)
Weight	
Printer	Single-roll: 229 lb (104 kg), dual-roll: 240 lb (109 kg)
Shipping	Single-roll: 300 lb (136 kg), dual-roll: 306 lb (139 kg)
What's in the box	
HP Software and solutions	HP DesignJet T2600 Multifunction Printer, printer stand and media bin, 15.6" touchscreen, spindle(s) ⁸ , printheads, introductory ink cartridges, user guide, power cords
HP Software and solutions	HP Click, HP mobile, ePrint and iOS/Android support plus the HP Smart app for mobile, HP Web Jetadmin, HP JetAdvantage Security Manager, HP SmartTracker (optional)
Environmental ranges	
Operating temperature	41 to 95°F (5 to 35°C)
Operating humidity	20 to 80% RH
Storage temperature	-13 to 131°F (-25 to 55°C)
Acoustics	
Sound pressure	42 dB(A) (operating); 32 dB(A) (idle); < 17 dB(A) (sleep)
Sound power	≤ 5.9 dB(A) (operating); ≤ 4.9 dB(A) (idle); ≤ 3.5 dB(A) (sleep)
Power	
Consumption	120 W (printing); < 36 W (ready); < 1 W (< 10 W with embedded Digital Front End) (sleep); 0.3 W (off)
Requirements	Input voltage (auto-ranging) 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max
Certification	
Safety	USA and Canada (CSA certified)
Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES)
Environmental	ENERGY STAR, EPEAT, REACH, RoHS
Warranty	One-year limited hardware warranty

Ordering information

Product	
3E115A	HP DesignJet T2600dr 36-in PostScript Multifunction Printer
3E115B	HP DesignJet T2600dr 36-in PostScript Multifunction Printer
3XB78A	HP DesignJet T2600 36-in PostScript Multifunction Printer

Accessories	
5N855A	HP SmartTracker USB for DesignJet
5N855AAE	HP SmartTracker for DesignJet
CN538A	HP DesignJet 3-in Core Adapter
L4R66A	HP DesignJet 36-in Spindle
N7P47AA	HP USB 3.0 to Gigabit LAN Adapter

Original HP printing supplies	
B3P05A	HP 727 DesignJet Printhead
P2V62A	HP 730 130-ml Cyan DesignJet Ink Cartridge
P2V63A	HP 730 130-ml Magenta DesignJet Ink Cartridge
P2V64A	HP 730 130-ml Yellow DesignJet Ink Cartridge
P2V65A	HP 730 130-ml Matte Black DesignJet Ink Cartridge
P2V66A	HP 730 130-ml Gray DesignJet Ink Cartridge
P2V67A	HP 730 130-ml Photo Black DesignJet Ink Cartridge
P2V68A	HP 730 300-ml Cyan DesignJet Ink Cartridge
P2V69A	HP 730 300-ml Yellow DesignJet Ink Cartridge
P2V70A	HP 730 300-ml Magenta DesignJet Ink Cartridge
P2V71A	HP 730 300-ml Matte Black DesignJet Ink Cartridge
P2V72A	HP 730 300-ml Gray DesignJet Ink Cartridge
P2V73A	HP 730 300-ml Photo Black DesignJet Ink Cartridge

Use Original HP inks and printheads, and HP large format printing materials, to experience consistent high quality and reliable performance that enable less downtime. These critical components are designed and engineered together as an optimized printing system, and Original HP inks are designed to maximize the life of HP printheads. Protect your HP printer investment by using Original HP inks for full HP warranty protection. For more information, visit hp.com/go/OriginalHPInks.

Original HP large format printing materials	
C6810A	HP Bright White Inkjet Paper (FSC® certified) ¹ (recyclable) ² 36 in x 300 ft (914 mm x 91.4 m)
C6880A	HP Coated Paper (PEFC™ certified) ¹ (recyclable) ² 36 in x 300 ft (914 mm x 91.4 m)
L5C00A	HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified) ¹ (recyclable) ² 36 in x 300 ft (914 mm x 91.4 m)
D9R20A	HP Everyday Matte Polypropylene, 3-in Core 36 in x 200 ft (914 mm x 61 m)

For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

Service and Support	
UB9P6E	1-rol/UB8U4E (2-rol) HP 3 year NBD Onsite HW Support with DMR
UB9P7E	1-rol/UB8U5E (2-rol) HP 4 year NBD Onsite HW Support with DMR
UB9P8E	1-rol/UB8U6E (2-rol) HP 5 year NBD Onsite HW Support with DMR
UB9P9E	1-rol/UB8U7PE (2-rol) HP 1 year Post Warranty NBD Onsite HW Support with DMR

U11X4E HP Preventive Maintenance Service
H4518E HP Installation Service with Network Setup
HP DesignJet Support Services offer installation, maintenance, and extended support services (e.g., 2, 3, 4 and 5 years). For more information, please visit hp.com/go/akpc.

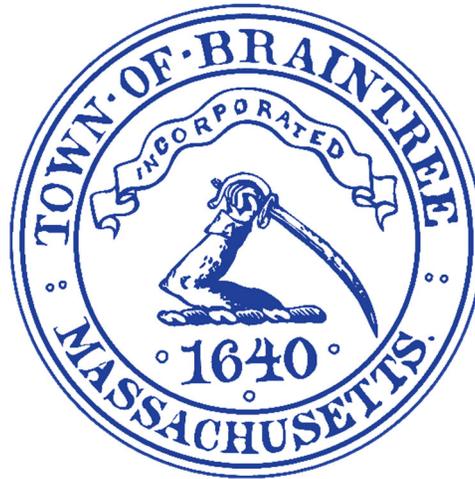
ECO highlights	
•	Save paper with automatic print settings and image nesting
•	ENERGY STAR® certified ¹ and EPEAT® registered ²
•	Free, convenient HP ink cartridge recycling ³
•	FSC™-certified papers ⁴ , recyclable HP media; some HP media eligible for take-back program ⁵

Please recycle large-format printing hardware and printing supplies. Find out how at our website hp.com/eco/solutions.

¹ ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.
² EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.
³ Program availability varies. Please check <http://www.hp.com/recycle> for details.
⁴ BMG trademark license code FSC®-C115319, see <http://www.fsc.org>. HP trademark license code FSC®-C017543, see <http://www.fsc.org>. Not all FSC™-certified products are available in all regions. For information about HP large format printing materials, please visit <http://www.HPLFMedia.com>.
⁵ Recyclable HP papers can be recycled through commonly available recycling programs, or according to region-specific practices. Some HP media are eligible for return through the HP Large Format Media take-back program. Programs may not exist in your area. See <http://www.HPLFMedia.com/hp/eco/solutions> for details.

¹ Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (bond) and Original HP inks.
² ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on AQUE HP Matte Film in Best or Normal mode with Original HP inks.
³ Based on 8 GB RAM.
⁴ BMG trademark license code FSC®-C115319, see <http://www.fsc.org>. HP trademark license code FSC®-C017543, see <http://www.fsc.org>. BMG trademark license code PEFC™/29-31-261, see <http://www.pefc.org>. HP trademark license code PEFC™/29-31-198, see <http://www.pefc.org>. Not all FSC™ or PEFC™-certified products are available in all regions.
⁵ Can be recycled through commonly available recycling programs.
⁶ Applicable for dual-roll printers only.
⁷ Applicable for PostScript printers only.
⁸ Single-roll printers come with one spindle, dual-roll printers come with two spindles.





Town of Braintree
Department of Public Works
Capital Budget - Facilities
Fiscal Years 2022-2026

James Arsenault, PE
Director of Public Works

Town of Braintree
Department of Public Works
Schedule H-1 Summary of Capital Budget Request - Facilities
Fiscal Years 2022-2026

Rank	Reference	Project / Item	Type	New/ Replacement	Age of Replacement	Total Dollars	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
1	F1	DPW Building	Construction/Renovation	New	N/A	14,500,000	500,000	7,000,000	7,000,000	-	-
2	F2	Town Properties Parking Lot & Walkway Repairs	Construction/Renovation	Renovation	N/A	765,000	185,000	135,000	195,000	125,000	125,000
3	F3	Asbestos Removal Town Buildings	Construction/Renovation	Renovation	N/A	500,000	100,000	100,000	100,000	100,000	100,000
4	F4	90 Pond Street Roof	Construction/Renovation	New	N/A	275,000	275,000	-	-	-	-
5	F5	Boiler Replacement Highlands Fire Station	Construction/Renovation	Renovation	New	120,000	120,000	-	-	-	-
6	F6	Town Hall Cahill Auditorium Windows	Construction/Renovation	Renovation	N/A	250,000	125,000	125,000	-	-	-
7	F7	Facilities Vehicles	Capital Equipment	New	New	85,000	42,500	42,500			-
8	F8	Equipment Lift	Capital Equipment	New	New	140,000	140,000	-	-	-	-
9	F9	Security Cameras Town Buildings	Construction/Renovation	New	N/A	125,000	25,000	25,000	25,000	25,000	25,000
10	F10	Braintree Police Department HVAC	Construction/Renovation	Renovation	20+	800,000	800,000	-	-	-	-
11	F11	Concrete Saw	Capital Equipment	New	N/A	10,000	10,000	-	-	-	-
12	F12	Eldridge School new windows	Construction/Renovation	Renovation	20+	300,000	100,000	100,000	100,000	-	-
Totals						17,870,000	2,422,500	7,527,500	7,420,000	250,000	250,000

**Town of Braintree
 Department of Public Works: Facilities
 Capital Improvement Project Request Form
 Schedule G-2 Construction/Renovation
 Fiscal Year 2022-Reference F1**

- 1. Department: DPW
- 2. Sub-Department: Facilities
- 3. Date: 1/10/2022
- 4. Contact Person: Mike McGourty
- 5. Contact Title: Facilities Superintendent
- 6. Phone: 781-794-8947
- 7. Project Name: DPW Building
- 8. Costs: \$7,900,000
- 9. Expenditure Schedule:
 - FY22 \$500,000
 - FY23 \$7,000,000
 - FY24 \$7,000,000
 - FY25 \$0
 - FY26 \$0
- 10. Planning & Design: \$500,000
- 11. Site Improvement & Utilities:
 - FY22
 - FY23
 - FY24
 - FY25
 - FY26
- 12. Construction/renovation: \$14,000,000
- 13. Other (Specify):
- 14. Cost Totals: \$14,500,000
- 15. Available Aid or Grant (specify):
- 16. Description and Justification:

The size of a DPW facility is generally driven by the size of the work force and amount of vehicles and equipment used. The Town’s infrastructure typically dictates the size of the work force, number of divisions, and the amount of equipment needed by a DPW.

For comparison purposes, all cost information provided is based on engineering estimates which are structured to provide the “average bid” price. The “Total Project Cost” represents building construction costs, site construction costs, architectural / engineering fees, contingencies, inflation, and owner’s soft costs (owner’s project manager, clerk of the works, communication system, furnishings, printing of documents, etc.).

Weston 56,900 Sq ft = \$17,800,000
 Danvers 58,800 Sq ft = \$19,800,000

Estimates are from other DPW building projects and as noted for our square footage (57,000). Our estimated total project cost is \$19,400,000 and is split between the general fund and enterprise funds.

- 17. Submitted by: Mike McGourty
 Facilities Superintendent
- 18. Priority: 2

DPW Building Costs and Funding

DPW divisions that will use the building

Building maintenace	Recreation
Cemetery	Soild Waste
Engineering	Stormwater
Grounds	Vehicle maintenance
Highway	Water and sewer
Parks	

<u>Cost Estimates</u>	<u>Squarefootage</u>	<u>Cost/ SF</u>	<u>Year</u>	<u>Cost</u>	<u>Desc</u>
Town of Braintree Estimate (GF)	57,000	146	1997	\$8,347,020	Inc. Design/ Insp
Town of Braintree Estimate	57,000	196	2005	\$11,200,000	Inc. Design/ Insp
Town of Braintree Estimate (ME)	53,000	500	2022	\$33,000,000	Inc. Design/ Insp
Andover Municipal Services facility	54,088	402	2017	(esc to 2020)	Inc. Design/ Insp
Bourne Public Works Facility	39,040	410	2014	(esc to 2020)	Inc. Design/ Insp
Boylston Public Works Facility	13,926	392	2015	(esc to 2020)	Inc. Design/ Insp
Duxbury Public Works Facility	38,189	390	2019	(esc to 2020)	Inc. Design/ Insp
Grafton Public Works facility	33,710	402	2018	(esc to 2020)	Inc. Design/ Insp
Hopkinton Public Wroks facility	42,410	380	2016	(esc to 2020)	Inc. Design/ Insp
Longmeadow Public Works facility	44,858	360	2018	(esc to 2020)	Inc. Design/ Insp
Medford Publci Works Facility	45,000	397	2014	(esc to 2020)	Inc. Design/ Insp
Norwood Public Works Facility	53,870	415	2014	(esc to 2020)	Inc. Design/ Insp
Orleans Public Works facility	42,278	359	2017	(esc to 2020)	Inc. Design/ Insp
Wayland Public Works Facility	39,869	382	2014	(esc to 2020)	Inc. Design/ Insp

Funding Resources

	<u>Cost of Loan</u>
	at 2.5%/ 30 Year
General Fund	\$14,500,000 \$380,000
Stormwater Untility	\$2,000,000 \$95,000
Water & Sewer Utility	\$20,500,000 \$475,000

Town of Braintree
Department of Public Works: Facilities
Capital Improvement Project Request Form
Schedule G-2 Construction/Renovation
Fiscal Year 2022-Reference F2

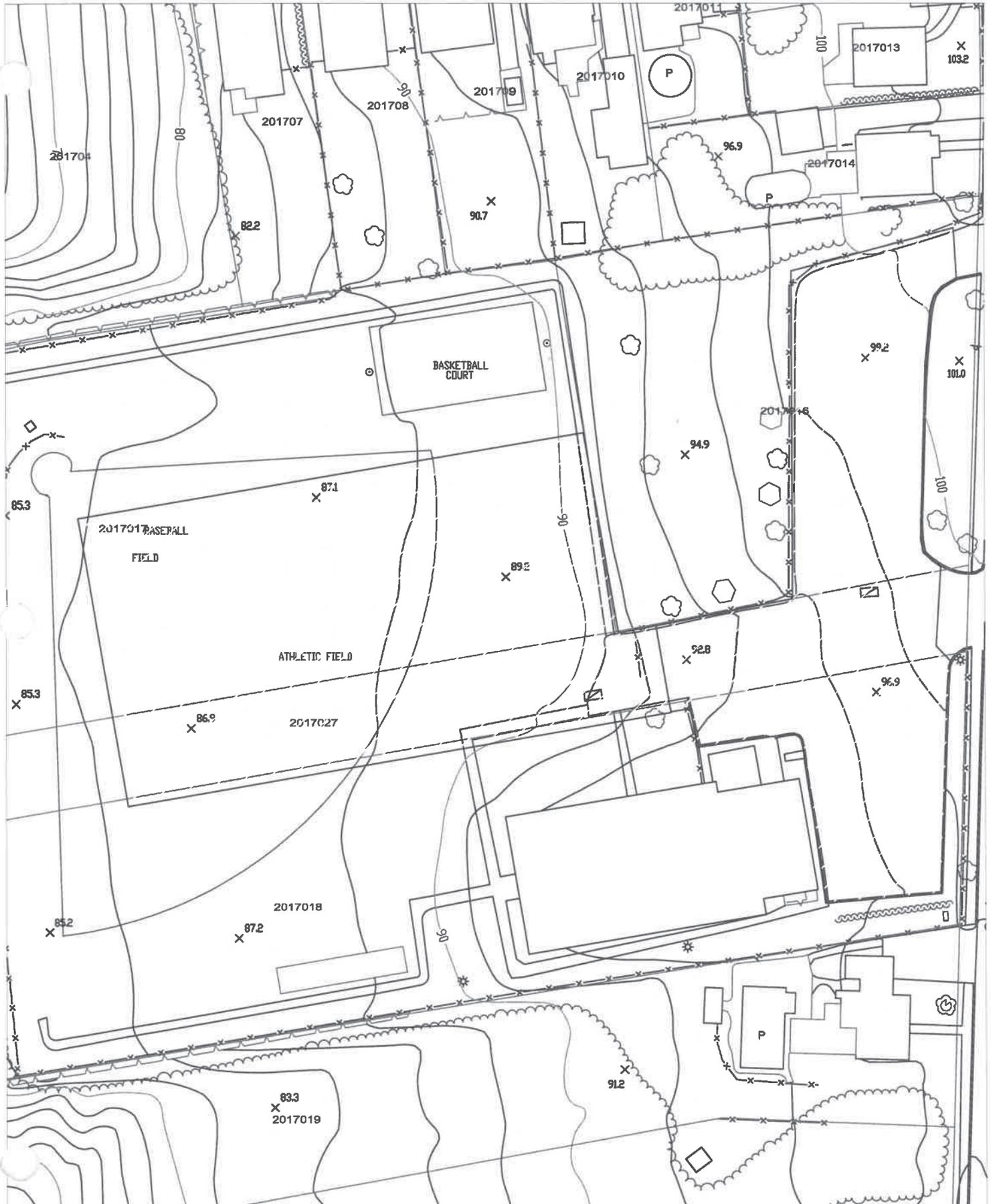
- | | |
|---------------------------------------|--|
| 1. Department: | DPW |
| 2. Sub-Department: | Facilities |
| 3. Date: | 1/10/2022 |
| 4. Contact Person: | Mike McGourty |
| 5. Contact Title: | Facilities Superintendent |
| 6. Phone: | 781-794-8947 |
| 7. Project Name: | Town Properties Parking Lot & Walkway Repairs |
| 8. Costs: | \$765,000 |
| 9. Expenditure Schedule: | |
| FY22 | \$185,000 |
| FY23 | \$135,000 |
| FY24 | \$195,000 |
| FY25 | \$125,000 |
| FY26 | \$125,000 |
| 10. Planning & Design: | \$0 |
| 11. Site Improvement & Utilities: | |
| FY22 | \$0 |
| FY23 | \$0 |
| FY24 | \$0 |
| FY25 | \$0 |
| FY26 | \$0 |
| 12. Construction/renovation: | \$765,000 |
| 13. Other (Specify): | |
| 14. Cost Totals: | \$765,000 |
| 15. Available Aid or Grant (specify): | |
| 16. Description and Justification: | Many of the parking areas and walkways at Town facilities, or parking lots owned by the town (municipal parking areas) are in severe disrepair and in need of resurfacing. |
| 17. Submitted by: | Mike McGourty
Facilities Superintendent |
| 18. Priority: | 10 |



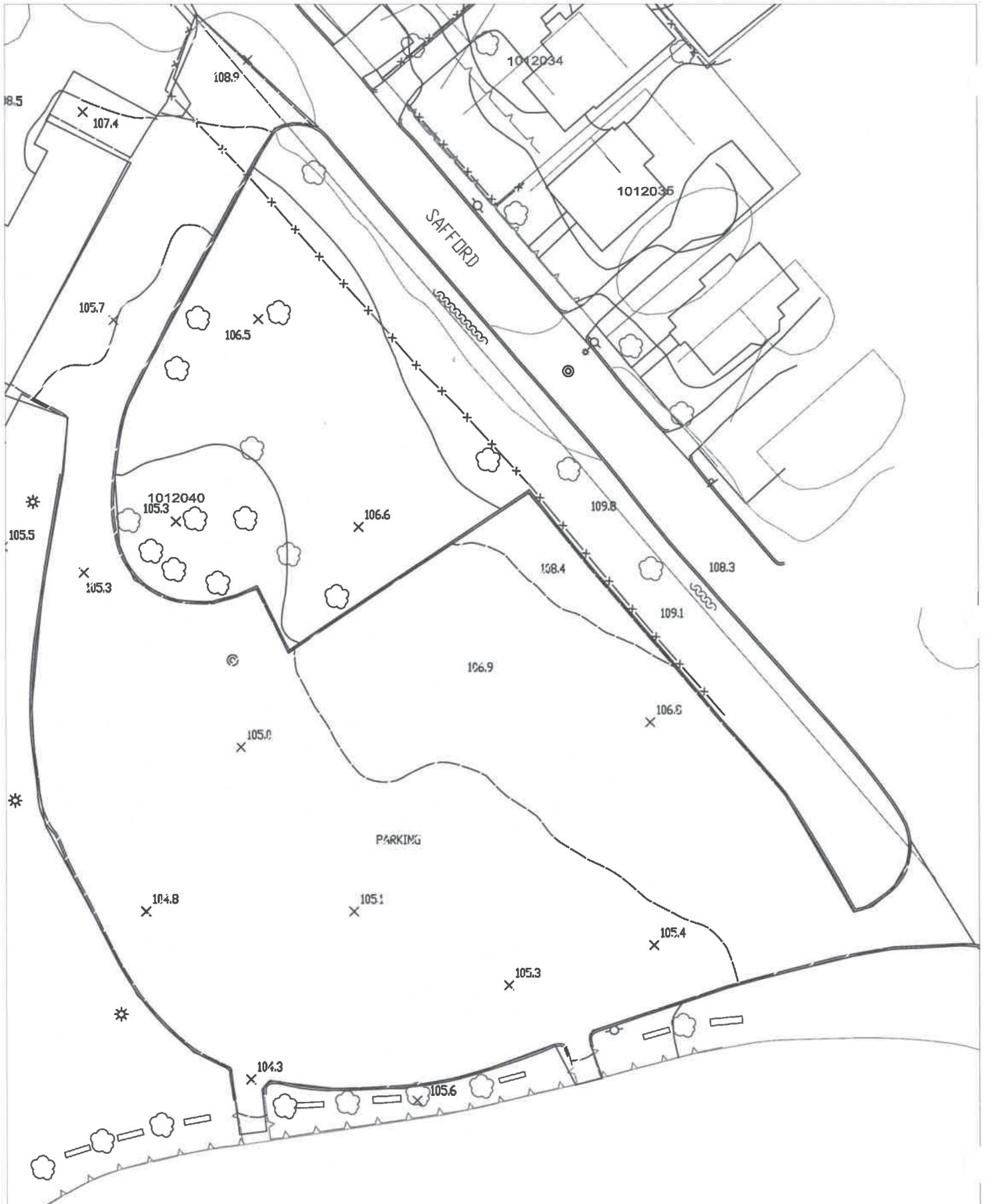
Town Hall Parking Lot



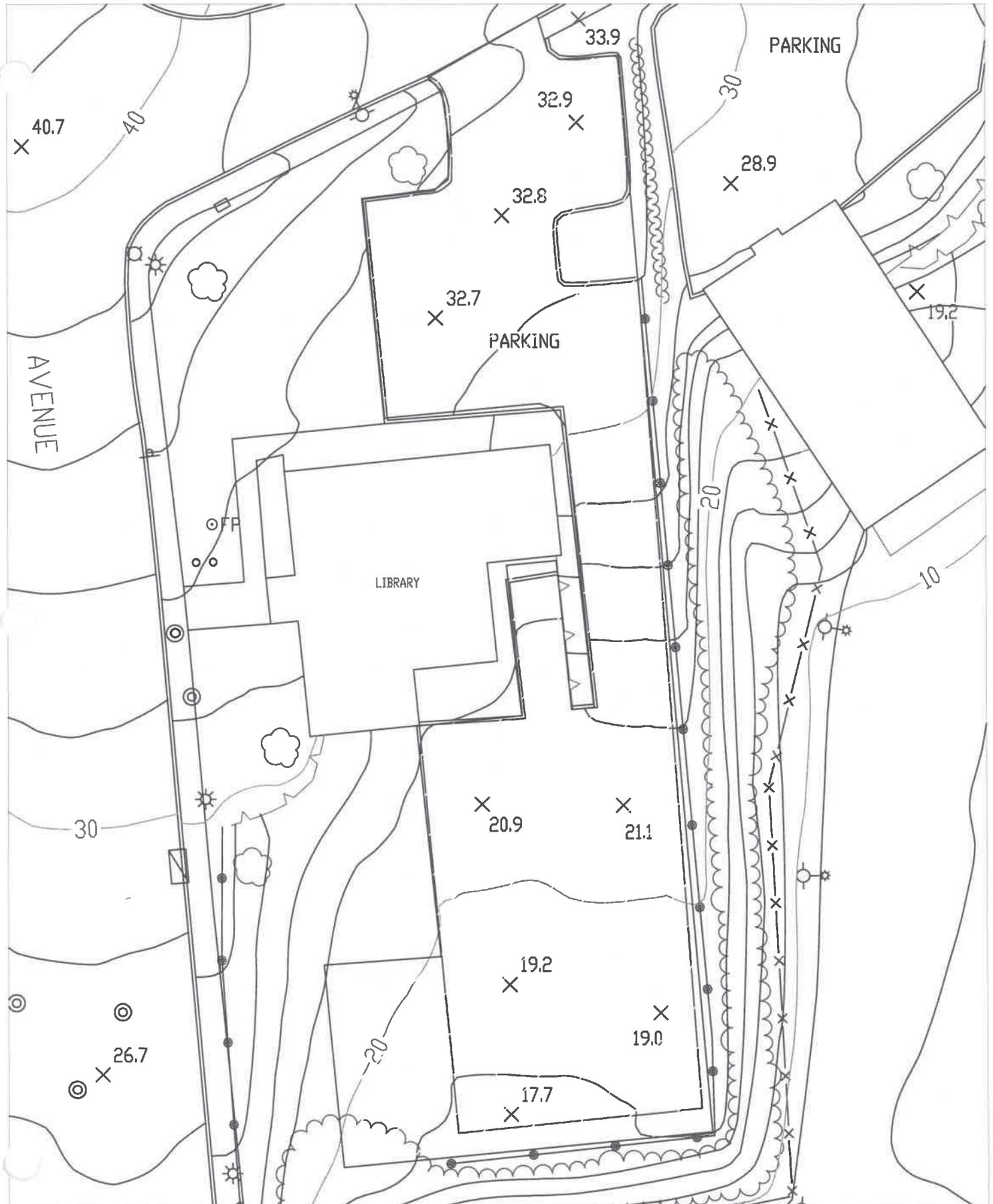
Perkins Park Parking Lot



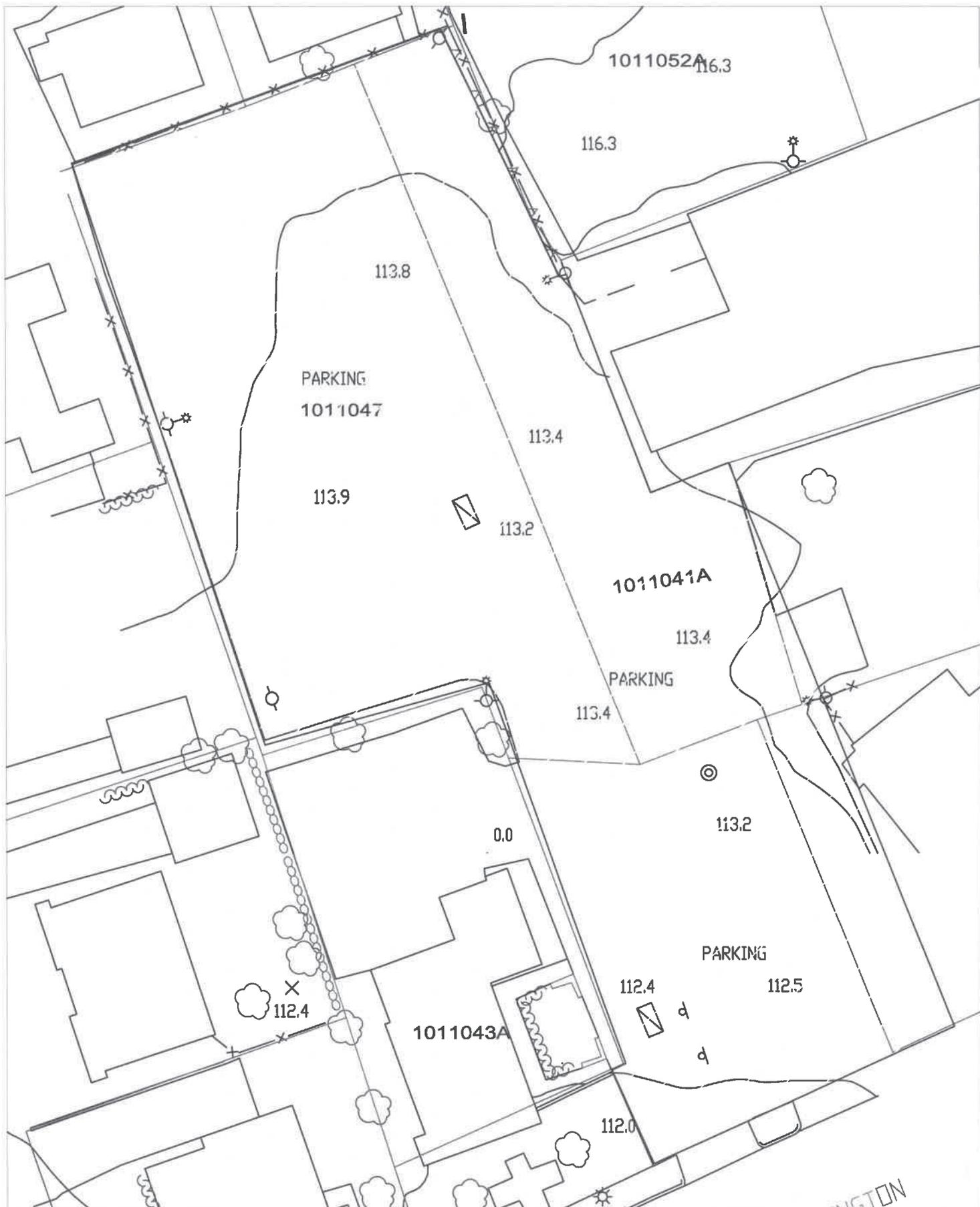
Penniman Park Parking Lot, (with expansion)



Sunset Lake Parking Lot



85 Quincy Ave Parking Lot



South Braintree Square Municipal Lot

Estimate for re-paving Town parking lots, 2020 prices

description	U	Town Hall	Perkins Park	Penniman Park	Sunset Lake	85 Quincy Ave	South Braintree Square Munic. Lot	quantity	units	unit price Edwards	extended price	total by contract
street length (or "1" if square footage is used)	1	1	1	1	1	1	1	6	lf	1		
street width, gutter to gutter (or square footage, with "1" in line 2)	1	62300	5700	55700	59000	14800	30700	228200				\$586,000.00
subtotal	1											\$0.00
subtotal	1											\$0.00
4" white single	1	4000	0	4000	5400	850	3000	17250	lf	\$0.39	\$6,727.50	
12" white stop & crosswalk	1	445	30	220	445	75	100	1315	lf	2	\$2,958.75	
8' white "Only" Legend	1	1	0	2	0	0	4	7	each	\$130.00	\$910.00	
arrows, federal size	1	1	0	2	0	0	4	7	each	\$80.00	\$560.00	
8' white "STOP" or "SLOW"	1	1	1	1				3	each		\$285.00	\$ 12,000.00
subtotal	1											
Unclassified Excavation	1	385	35	345	365	92	190	1411	cubic yard	\$17.00	\$23,994.81	
bituminous concrete excavation by cold planer	1	6922	6922	6922	6922	6922	6922	41533	sy	\$3.00	\$124,600.00	
Fine Grading & Compacting removal&disposal of drainage structure sediments	1	51	0	0	0	1646	3412	5109	sy	\$2.00	\$10,217.78	
gutter inlet	1	8	0	2	3	2	0	15	cubic yard	\$100.00	\$1,500.00	
Drainage Structure Adjusted (less than 6" vertical)	1	1	0	0	0	0	0	1	each	\$1,000.00	\$1,000.00	
Drainage Structure Remodeled	1	8	0	2	0	2	0	12	each	\$300.00	\$3,600.00	
Sanitary Structure Adjusted (less than 6" vertical)	1	3	0	0	0	2	0	5	each	\$400.00	\$2,000.00	
Frame and Cover, Town Standard	1	2	0	0	0	0	0	2	each	\$300.00	\$600.00	
Frame and Grate Heavy Duty(bicycle safe)	1	2	0	0	0	2	0	2	each	\$600.00	\$1,200.00	
12" ductile iron pipe	1	50	0	0	0	0	0	50	lf	\$90.00	\$4,500.00	
6" slot perforated corrugated plastic pipe (subdrain)	1	30	0	0	0	0	0	30	lf	\$40.00	\$1,200.00	
Gate Box Adjusted (less than 6")	1	1	0	1	2	0	2	6	each	\$200.00	\$1,200.00	
dense graded crushed stone for sub-base	1	192	18	171	181	45	94	702	cubic yard	\$25.00	\$17,537.59	
Calcium Chloride for Roadway Dust Control	1	1384	127	1238	1311	329	682	5071	lb	\$0.50	\$2,535.56	
Class I Bituminous Concrete Pavement- Type I-1 Binder	1	810	74	724	767	192	399	2967	ton	\$80.00	\$237,328.00	
Class I Bituminous Concrete Pavement - Type ST	1	607	56	543	575	144	299	2225	ton	\$50.00	\$111,247.50	
Bitumen for Tack Coat	1	346	346	346	346	346	346	2077	gallon	\$7.00	\$14,536.67	
Sawing pavement and sidewalk joints	1	2360	200	200	0	0	0	2760	lf	\$2.50	\$6,900.00	
Safety Signing for Construction Operations	1	100	40	40	80	40	80	380	sf	\$10.00	\$3,800.00	
ReflectORIZED Drum with Flasher (Type A)	1	200	50	100	200	50	200	800	drum-day	\$1.00	\$800.00	
subtotal	1											\$573,000.00
	-1											\$586,000.00
	-1											\$0.00
	-1											\$586,000.00
Total cost distributed proportionally ---->		\$159,982	\$14,637	\$143,033	\$151,507	\$38,005	\$78,835					
										Project Subtotal	\$586,000.00	
										Const. Phase Eng.	\$0.00	
										Project Total	\$586,000.00	

**Town of Braintree
Department of Public Works: Facilities
Capital Improvement Project Request Form
Schedule G-2 Construction/Renovation
Fiscal Year 2022-Reference F3**

1. Department: DPW
2. Sub-Department: Facilities
3. Date: 1/10/2022
4. Contact Person: Mike McGourty
5. Contact Title: Facilities Superintendent
6. Phone: 781-794-8947
7. Project Name: Asbestos Removal
8. Costs: \$500,000
9. Expenditure Schedule:

FY22	\$100,000
FY23	\$100,000
FY24	\$100,000
FY25	\$100,000
FY26	\$100,000
10. Planning & Design: \$0
11. Site Improvement & Utilities:

FY22	\$100,000
FY23	\$100,000
FY24	\$100,000
FY25	\$100,000
FY26	\$100,000
12. Construction/renovation: \$0
13. Other (Specify):
14. Cost Totals: \$500,000
15. Available Aid or Grant (specify):
16. Description and Justification: Many of the Town's buildings are contaminated with Asbestos and need to be abated. This Asbestos hinders the ability of the Facilities staff to renovate, modify or upkeep many of the municipal buildings.
17. Submitted by: Mike McGourty
Facilities Superintendent
18. Priority: 3



Joseph C. Sullivan
Mayor

QUOTE PACKAGE—COVER PAGE

FOR PUBLIC WORKS CONSTRUCTION PURSUANT TO MGL C. 149, §§44A-44J AND
ALL OTHER APPLICABLE LAWS

Project Name:	Asbestos Abatement
Project Location:	46 Lincoln Street & 516 Washington Street, Braintree, MA
Due Date for Quotes:	January 4, 2019 at 10:00 AM

CONTENTS OF QUOTE PACKAGE

- 1) INSTRUCTIONS FOR QUOTES
- 2) PROJECT DESCRIPTION (OR SPECIFICATIONS)
- 3) CONCEPT DRAWING
- 4) STATEMENT OF LABOR HARMONY & OSHA TRAINING—Must be signed
- 5) SAMPLE CONTRACT---Do not fill out
- 6) THREE CERTIFICATES (Authorization, Non-Collusion, Tax Compliance)----Must be signed
- 7) PREVAILING WAGE SCHEDULE
- 8) REFERENCE FORM

INSTRUCTIONS FOR QUOTES

1. Written quotes are due no later than the date and time listed on the Cover Page. Quotes may be submitted in person, by mail, or by email to the name and address listed below. Owing to the presence of SPAM filters and the like, if submitting by email, it is the bidder's responsibility to ascertain that the quote has arrived prior to the deadline.

2. Submit quotes to:

Name:	Ms. Debra Saucier
Town Department:	Department of Public Works
Mailing Address:	85 Quincy Avenue, Braintree, MA 02184
E-Mail Address:	dsaucier@braintreema.gov

3. If you have not obtained this Request for Quotes directly from the Department listed above, please register with the Department in order to receive any updated quote information which may become available.

4. Selected vendor will be required to sign a Contract as shown in the Sample attached to this Quote Package. **Please pay careful attention to Insurance Requirements.** There is no need to fill out the Sample Contract at this time, nor is a Certificate of Insurance required at this time.

5. Selected vendor must have completed two or more playground installations in the past three years, using the materials specified in their quote. Information must be listed on the Reference Form. References will be checked for responsible and responsive firm offering the lowest quote.

6. If the contract amount is over \$25K, the successful bidder must supply a 50% payment bond.

7. Written Quotes Must Include the Following:

- Statement of Labor Harmony & OSHA Training----attached
- Three Certificates (Authorization, Non-Collusion, Tax Compliance)----attached
- Reference Information, See Attachment

8. Questions regarding this project must be submitted **in writing** to the person listed above, no later than 48 hours prior to the due date/time for quotes. Please do not address questions to any other person.

PROJECT SPECIFICATIONS

The Town of Braintree DPW is soliciting Vendor Quotes from licensed and qualified asbestos contractors for the removal and disposal of sheet goods; asbestos containing pipe insulation, vinyl asbestos tile (VAT) flooring and mastic at the following locations in Braintree, MA:

46 Lincoln Street, Braintree, MA:

- Proper abatement and disposal of sheet goods; VAT tiles & Mastic on the first floor in 4 to 5 locations in the building. Approximately 2,000 square feet. The sub-floor is a concrete slab.
- Proper abatement and disposal of sheet goods; VAT tiles on the first floor in 4 to 5 locations in the building. Approximately 2,000 square feet. The sub-floor is a concrete slab.
- Proper abatement and disposal of asbestos containing pipe insulation approximately 75 lineal feet.

516 Washington Street, Braintree, MA:

- Proper abatement and disposal of asbestos containing pipe insulation in 4 to 5 locations in the building. Approximately 275 lineal feet.

SUMMARY OF THE WORK

1. The contractor must complete the abatement of unit within fourteen (14) days of receiving the Notice To Proceed. This includes the ten (10) day notification which the contractor shall prepare and submit to the following agencies:
 - A. USEPA Regional Asbestos Coordinator
JFK Federal Building
Government Center, Boston, MA. 02203
 - B. Commonwealth of Massachusetts, Dept. of Environmental Protection
P.O. Box 120087,
Boston, MA. 02112-0087
 - C. Commonwealth of Massachusetts
Department of Labor and Work Force Development (DOS)
399 Washington Street, 5th floor
Boston, MA. 02108
2. The contractor shall pay all fees, permits, and all other costs related to the successful completion of this project. This includes but is not limited to: removal, hauling, and disposal fees, government or regulatory permitting fees, building fees and licensing fees.

3. Prior to beginning the abatement, the contractor must submit to the Town of Braintree Department of Public Works for approval a VAT Removal Work Plan that includes the following information:
 - a. Proposed procedures, methods and equipment that will be used,
 - b. Copies of Contractor's certificates, licenses and workers certificates,
 - c. Training and medical records of each employee who may be on the project; monitoring plans and decontamination procedures for personal in the performance of abatement operations. List of supervisors and workers assigned to the project,
 - d. Name, address and ID number of the hazardous waste hauler, transfer route and proposed disposal site, or name and address of proposed construction debris site.
4. The contractor shall, at his own expense ensure that the work shall conform to applicable federal, state and local codes and regulations; Occupational Safety and Health Administration regulations; and state and federal asbestos regulations, including Mass. DEP 310CMR 7.15 U Asbestos, Mass. DLWD 453 CMR 6.00 and USEPA NESHAPS Regulations (40CMR61 Subpart M).
5. The Town of Braintree Department of Public Works has retained the services of **Universal Environmental Consultants** for monitoring, testing and final report. The contractor shall be responsible for notifying Universal Environmental Consultants, at least **48 hours** before date of abatement for final air clearance and visual inspections. (The contact name & number is George Barsahar 508-628-5486).
6. A copy of the approved disposal authorization shall be provided to the Town of Braintree Department of Public Works.
7. Copies of all landfill receipts must be provided to the Town of Braintree Department of Public Works with the final invoice.
8. The contractor shall be responsible for verifying actual quantities and no increase shall be given due to the failure of the contractor to visit the site and verify conditions and quantities.

ABATEMENT PROCEDURES

1. All ACM is to be removed under full containment with a negative pressure differential and contiguous waste and personnel decontamination units.
2. The Contractor shall remove all layers of asbestos containing floor tile and mastic adhesive.
3. Seal openings and penetrations in floor area to prevent water leakage before commencing wet methods of VAT removal.

4. Remove binding strips, vinyl base cover and properly dispose.
5. Wet the floor with amended water, removal encapsulant or detergent solution so that the entire surface is wet. Use all materials in accordance with manufacturer's instructions. Remove tiles, felt and mastic using appropriate tools and equipment. Keep floor continuously wet during removal operations.
6. The Contractor shall remove all layers of asbestos containing pipe insulation.
7. Removal/disturbance of TSI (thermal system insulation) and surface ACM or PACM. Removal procedure requires full containment and a three stage decontamination unit under negative pressure.
8. Final Air Clearance: The Town of Braintree Department of Public Works shall be responsible for the initial sampling and analysis of final air clearance samples. Any subsequent air samples testing and analysis shall be the responsibility of the contractor to pay all costs. Areas which do not comply with the Standard for Cleaning for initial Clearance shall continue to be cleaned by and at the contractor's expense until the standard is achieved.
9. At the completion of the work, the contractor shall submit the following;
 - a. Contractor logs,
 - b. Completed copies of waste shipment records,
 - c. Copies of air sampling results.

SUBMISSION OF QUOTE

1. The contractor shall include in his quote all costs associated with the abatement of 46 Lincoln Street & 516 Washington Street, Braintree, MA but not limited to: notification mobilization, abatement, disposal, and project close-out.
2. The Contractor must be prepared to complete all work within **fourteen (14) consecutive calendar days upon receipt of the Notice To Proceed.**

TOWN OF BRAINTREE

1 JFK Memorial Drive
Braintree, Massachusetts 02184
Tel: 781-794-8145

ASBESTOS ABATEMENT

DUE DATE: January 4, 2019 at 10:00 AM to:
Ms. Debra Saucier, dsaucier@braintreema.gov

- 1) We hereby submit the following quote for asbestos abatement at 46 Lincoln Street & 516 Washington Street, Braintree, MA, pursuant to MGL C. 149, §§44A-44J and all other applicable laws and the Request for Quotes, dated December 19, 2018:

<u>\$32,000</u>	Construction Labor Costs for Project*
+ <u>\$6,850</u>	All other Costs (Materials, Overhead/Profit, etc.)
= <u>\$38,850.00</u>	Total Quote

*During construction, the contractor must send certified payrolls to the Public Works Director, based on the Prevailing Wage Schedule originally attached to this Request for Quotes. An OSHA training certificate and apprentice card (if apprentices are used) must also be supplied for every worker on the job, commensurate with the first certified payroll where that worker's name appears. The contractor must also cause any and all subcontractors to submit the above-described information to the Town.

- 2) The following subcontractors will be used. Please name the company and their category of work:

N/A

TOWN OF BRAINTREE

1 JFK Memorial Drive
Braintree, Massachusetts 02184
Tel: 781-794-8145

ASBESTOS ABATEMENT

DUE DATE: January 4, 2019 at 10:00 AM to:
Ms. Debra Saucier, dsaucier@braintree.ma.gov

- 1) We hereby submit the following quote for asbestos abatement at 46 Lincoln Street & 516 Washington Street, Braintree, MA, pursuant to MGL C. 149, §§44A-44J and all other applicable laws and the Request for Quotes, dated December 19, 2018:

<u>\$ 26,500. -</u>	Construction Labor Costs for Project*
+ <u>\$ 4,680. -</u>	All other Costs (Materials, Overhead/Profit, etc.)
= <u>\$ 31,200. -</u>	Total Quote

*During construction, the contractor must send certified payrolls to the Public Works Director, based on the Prevailing Wage Schedule originally attached to this Request for Quotes. An OSHA training certificate and apprentice card (if apprentices are used) must also be supplied for every worker on the job, commensurate with the first certified payroll where that worker's name appears. The contractor must also cause any and all subcontractors to submit the above-described information to the Town.

- 2) The following subcontractors will be used. Please name the company and their category of work:

None

TOWN OF BRAINTREE

1 JFK Memorial Drive
Braintree, Massachusetts 02184
Tel: 781-794-8145

ASBESTOS ABATEMENT

DUE DATE: January 4, 2019 at 10:00 AM to:
Ms. Debra Saucier, dsaucier@braintree.ma.gov

- 1) We hereby submit the following quote for asbestos abatement at 46 Lincoln Street & 516 Washington Street, Braintree, MA, pursuant to MGL C. 149, §§44A-44J and all other applicable laws and the Request for Quotes, dated December 19, 2018:

<u>22,710.00</u>	Construction Labor Costs for Project*
+ <u>15,140.00</u>	All other Costs (Materials, Overhead/Profit, etc.)
= <u>38,850.00</u>	Total Quote

*During construction, the contractor must send certified payrolls to the Public Works Director, based on the Prevailing Wage Schedule originally attached to this Request for Quotes. An OSHA training certificate and apprentice card (if apprentices are used) must also be supplied for every worker on the job, commensurate with the first certified payroll where that worker's name appears. *The contractor must also cause any and all subcontractors to submit the above-described information to the Town.*

- 2) The following subcontractors will be used. Please name the company and their category of work:

No subcontractors will be utilized for this project.

TOWN OF BRAINTREE

1 JFK Memorial Drive
Braintree, Massachusetts 02184
Tel: 781-794-8145

ASBESTOS ABATEMENT

DUE DATE: January 4, 2019 at 10:00 AM to:
Ms. Debra Saucier, dsaucier@braintree.ma.gov

- 1) We hereby submit the following quote for asbestos abatement at 46 Lincoln Street & 516 Washington Street, Braintree, MA, pursuant to MGL C. 149, §§44A-44J and all other applicable laws and the Request for Quotes, dated December 19, 2018:

(Eighteen Thousand Seven
\$18,700.00 Hundred Dollars and Zero Cents) Construction Labor Costs for Project*
(Sixteen Thousand Four Hundred
+ \$16,425.00 Twenty Five Dollars and Zero Cents) All other Costs (Materials, Overhead/Profit, etc.)
=
(Thirty Five Thousand One Hundred
\$35,125.00 Twenty Five Dollars and Zero Cents) **Total Quote**

*During construction, the contractor must send certified payrolls to the Public Works Director, based on the Prevailing Wage Schedule originally attached to this Request for Quotes. An OSHA training certificate and apprentice card (if apprentices are used) must also be supplied for every worker on the job, commensurate with the first certified payroll where that worker's name appears. The contractor must also cause any and all subcontractors to submit the above-described information to the Town.

- 2) The following subcontractors will be used. Please name the company and their category of work:

N/A

Schedule G-2 for Construction/Renovation
Capital Improvement Project Request Form

1. Department -**DPW**

2. Sub-Department: Facilities

3. Date: 11/14/19

4. Contact Person:
Mike McGourty

5. Title:
Facilities Superintendent

6. Phone:
781-794-8947

7. Project Name:
Town Hall Renovations

8. Costs:
\$ 1,000,000

FY20 - HVAC Phase IV & Windows in Cahill Auditorium	\$ 600,000
FY21	\$ 100,000
FY22	\$ 100,000
FY23	\$ 100,000
FY24	\$ 100,000

9. Expenditure Schedule:

10. Planning & Design: **\$0**

11. Site Improvement & Utilities:

12. Construction/renovation: **\$1,000,000**

13. Other (Specify):

14. Cost Totals: **\$ 1,000,000**

15. Available Aid or Grant (specify):

16. Description and Justification:
FY 2020 funding is for HVAC Phase IV & Windows in Cahill Auditorium

17. Submitted by: Mike McGourty Title: Facilities Superintendent Date: 11/6/19

18. Priority 2

Schedule G-2 for Construction/Renovation
Capital Improvement Project Request Form

1. Department - **DPW**2. Sub-Department: **Facilities**3. Date: **11/14/19**4. Contact Person:
Mike McGourty5. Title:
Facilities Superintendent6. Phone:
781-794-89477. Project Name:
Upgrade to LED Lighting8. Costs:
\$ 550,000

FY20	\$ 150,000
FY21	\$ 100,000
FY22	\$ 100,000
FY23	\$ 100,000
FY24	\$ 100,000

9. Expenditure Schedule:

10. Planning & Design:

\$0

11. Site Improvement & Utilities:

12. Construction/renovation:

\$550,000

13. Other (Specify):

14. Cost Totals:

\$ 550,000

15. Available Aid or Grant (specify):

16. Description and Justification:

Approximately 50K for each building to be upgraded. Town Hall upgrade approximately 75K

17. Submitted by: **Mike McGourty**Title: **Facilities Superintendent**Date: **11/6/19**18. Priority **2**

Town of Braintree
Department of Public Works: Facilities
Capital Improvement Project Request Form
Schedule G-2 Construction/Renovation
Fiscal Year 2022-Reference F4

1. Department: DPW
2. Sub-Department: Facilities
3. Date: 1/10/2022
4. Contact Person: Mike McGourty
5. Contact Title: Facilities Superintendent
6. Phone: 781-794-8947
7. Project Name: 90 Pond Street Roof
8. Costs: \$275,000
9. Expenditure Schedule:
 FY22 \$275,000
 FY23 \$0
 FY24 \$0
 FY25 \$0
 FY26 \$0
10. Planning & Design: \$0
11. Site Improvement & Utilities:
 FY22 \$0
 FY23 \$0
 FY24 \$0
 FY25 \$0
 FY26 \$0
12. Construction/renovation: \$275,000
13. Other (Specify):
14. Cost Totals: \$275,000
15. Available Aid or Grant (specify):
16. Description and Justification: Replace aging roof

17. Submitted by: Mike McGourty
 Facilities Superintendent
18. Priority: 2

Town of Braintree
Department of Public Works: Facilities
Capital Improvement Project Request Form
Schedule G-2 Construction/Renovation
Fiscal Year 2022-Reference F5

1. Department: DPW
2. Sub-Department: Facilities
3. Date: 1/10/2022
4. Contact Person: Mike McGourty
5. Contact Title: Facilities Superintendent
6. Phone: 781-794-8947
7. Project Name: Boiler Replacement Highlands Fire Station
8. Costs: \$120,000
9. Expenditure Schedule:
 FY22 \$120,000
 FY23 \$0
 FY24 \$0
 FY25 \$0
 FY26 \$0
10. Planning & Design: \$0
11. Site Improvement & Utilities:
 FY22 \$0
 FY23 \$0
 FY24 \$0
 FY25 \$0
 FY26 \$0
12. Construction/renovation: \$120,000
13. Other (Specify):
14. Cost Totals: \$120,000
15. Available Aid or Grant (specify):
16. Description and Justification: Replace aging boiler at the Braintree Fire Highlands station

17. Submitted by: Mike McGourty
 Facilities Superintendent
18. Priority: 2

Town of Braintree
Department of Public Works: Facilities
Capital Improvement Project Request Form
Schedule G-2 Construction/Renovation
Fiscal Year 2022-Reference F6

- | | |
|---------------------------------------|--|
| 1. Department: | DPW |
| 2. Sub-Department: | Facilities |
| 3. Date: | 1/10/2022 |
| 4. Contact Person: | Mike McGourty |
| 5. Contact Title: | Facilities Superintendent |
| 6. Phone: | 781-794-8947 |
| 7. Project Name: | Town Hall Cahill Auditorium Windows |
| 8. Costs: | \$250,000 |
| 9. Expenditure Schedule: | |
| FY22 | \$250,000 |
| FY23 | \$0 |
| FY24 | \$0 |
| FY25 | \$0 |
| FY26 | \$0 |
| 10. Planning & Design: | \$0 |
| 11. Site Improvement & Utilities: | |
| FY22 | \$0 |
| FY23 | \$0 |
| FY24 | \$0 |
| FY25 | \$0 |
| FY26 | \$0 |
| 12. Construction/renovation: | \$250,000 |
| 13. Other (Specify): | |
| 14. Cost Totals: | \$250,000 |
| 15. Available Aid or Grant (specify): | |
| 16. Description and Justification: | HVAC Phase IV & Windows in Cahill Auditorium |
| 17. Submitted by: | Mike McGourty
Facilities Superintendent |
| 18. Priority: | 2 |

Town of Braintree
Department of Public Works: Facilities
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference F7

1. Department: DPW
2. Sub-Department: Engineering
3. Date: 1/10/2022
4. Contact Person: Mike McGourty
5. Contact Title: Facilities Superintendent
6. Phone: 781-794-8947
7. Project Name: Vehicle Replacement
8. Number of Units Requested: 2
9. Number of Similar Items in Inventory: 2
10. Purpose of Expenditure (check as appropriate):
 Scheduled replacement
 Replace worn-out equipment
 Expanded service
 Increased safety
 Present equipment obsolete
 Reduce personnel time
 New operation
 Improve procedures, record, etc.
11. Estimated Use of Requested Item
Days per year: 250
Average days per week: 5
Estimated life in years: 8
12. Purchase Price
- | | Per Unit | Total |
|-----------------------------------|----------|----------|
| Cost: | \$42,500 | \$85,000 |
| Plus Installation or other costs: | \$0 | \$0 |
| Less Trade-in/other discounts: | \$0 | \$0 |
| Net Purchase: | \$42,500 | \$85,000 |
13. Replaced Equipment
Item: Ford
Make: Transit Connect Van
Age: 10 years
14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)
N/A
15. Available Aid or Grants (specify):
N/A
16. Comments:

17. Submitted by: Mike McGourty
Facilities Superintendent
18. Priority: 1



Fiscal 2017
TOWN OF BRAINTREE **PURCHASE NO. 10380**
ORDER

MASSACHUSETTS

1. Invoices to be issued in triplicate
2. Invoices must show purchase order number against each item and state whether partial or complete shipment.
3. Material's must be delivered to point designated and must be according to specifications
4. Address all correspondence regarding this order and mail invoices to department charged.

To
DU Quirk Ford Inc.
550 Sothen Artery
Quincy, MA 02169
Vendor # 3149

SHIP AND BILL TO
Town of Braintree
DPW - Highway Division
85 Quincy Av
Braintree, MA 02184

Please enter our order as specified below.

DATE	DEPARTMENT CHARGED	ACCOUNT	MASS STATE SALES TAX	DATE REQUIRED	TERMS
4/20/2017	Highway	see below	Exempl. Cert. #E-046-001-097		Contract
ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL	
	2	2017 Ford F150 4 wheel pick-up truck or equivalent Acct # 30-01664-6197	highway	\$68,400.00	
	1	2016 Ford F250 4 wheel pick-up truck or equivalent Acct # 30-01664-6163	cemetery/grounds	\$39,075.00	
	1	2016 Ford F550 Extended Cab 4X4 Chassis pickup truck or equivalent Acct # 30-01664-6195	cemetery	\$51,675.00	
		<i>01502</i>			
					\$159,150.00

Am't _____ Authorized By _____
Town Accountant *[Signature]*
By *[Signature]*

MERCHANT ACCOUNTING DEPARTMENT

CONTRACT BETWEEN THE TOWN OF BRAINTREE

and
DJ QUIRK FORD INC.

This Agreement is made on this 22 day of ^{May}~~April~~, 2017 between the Town of Braintree, acting by and through its duly elected Mayor (hereinafter, the "Town") and DJ Quirk Ford Inc., (hereinafter, "Vendor") whereby the parties contract for services under the terms and conditions set forth herein.

I. PARTIES

The parties to this contract are the Town of Braintree, acting by and through its duly elected Mayor and **DJ Quirk Ford Inc.** The Town of Braintree is a municipal corporation of the Commonwealth of Massachusetts having a principal place of business at One J. F. K. Memorial Drive, Braintree, MA 02184 and DJ Quirk Ford Inc. is a corporation with a principal place of business **540 Southern Artery, Quincy, MA 02169.**

II. DESIGNATED REPRESENTATIVES

The Town designates James Arsenault, Director of the Department of Public Works and Daniel J. Quirk, President, as their authorized representatives to provide approvals, directives, and permissions including changes, and to receive notices or other communications under this Agreement at the addresses stated above.

III. CONTRACT DOCUMENTS

The contract documents shall consist of the following:

- 1) This Agreement;
- 2) Town's Invitation to Bid, dated March 27, 2017
- 3) (Vendor's) bid;
- 4) (Vendor's) Certificate of Non-Collusion;
- 5) (Vendor's) Certificate of Tax Compliance;
- 6) (Vendor's) Certificate of Authorization;

Such contract documents shall be incorporated herein by reference and made a part of this Contract, which represents the entire agreement and understanding between the Parties. If the terms of any of the documents are in conflict, the terms of this agreement shall prevail.

IV. SERVICES

The scope of services to be provided by (Vendor) is as follows:

Provision of:

- (2) 2017 Ford F150 4-wheel pick-up trucks or equivalent (new);
- (1) 2016 Ford F250 4-wheel drive extended cab pickup truck or equivalent (new); and
- (1) 2016 Ford F550 Extended Cab 4x4 Chassis Pickup Truck or equivalent (new).

V. QUALITY OF WORK

(Vendor) represents that it will perform services for the Town using that degree of care and skill ordinarily exercised by and consistent with the standards applicable to persons performing similar services under similar conditions in the same locality. (Vendor) shall be liable for its services rendered under this Contract.

VI. COMPENSATION

On a monthly basis, (Vendor) shall submit invoices to the Town with any reasonable supporting documentation requested by the Town, reflecting the services performed during said month. Upon satisfactory review of said invoices and documentation, the Town shall remit payment to (Vendor). Total compensation to be paid to (Vendor) pursuant to this contract shall not exceed **\$159,150.00**

VII. TIME FOR PERFORMANCE

Delivery of vehicle(s) must occur within 60 days of execution of this Agreement.

VIII. SUBJECT TO APPROPRIATION

Notwithstanding anything in the contract documents to the contrary, any and all payments which the Town is required to make under this contract shall be subject to appropriation or other availability of funds, as certified by the Town Accountant.

IX. ENFORCEABILITY OF CONTRACT

This contract is binding upon and enforceable against the Town if this contract is signed by the Mayor, endorsed by the Town Accountant as to appropriation or availability of funds, and endorsed as to form by the Town Solicitor. This contract is binding and enforceable against (Vendor) if signed by their authorized representative.

X. ASSIGNMENT

(Vendor) shall not delegate, assign or transfer its duties or interest in this Contract without the express written consent of the Town. If approved by the Town, this contract shall be binding upon (Vendor's) assigns, transferees and/or successors in interest.

XI. PREVAILING STATUTORY AUTHORITY

The validity, interpretation and performance of this Contract shall be governed by and construed in accordance with the laws of the Commonwealth of Massachusetts.

XII. CONFLICT OF INTEREST

Both the Town and (Vendor) stipulate to the applicability of Massachusetts General Law Chapter 268A, the Conflict of Interest Statute. The Parties further stipulate that the terms and conditions of this contract expressly prohibit any activity which constitutes a violation of this statute. By executing this contract, (Vendor) certifies that neither it nor any of its agents, employers or sub-vendors is in violation of Massachusetts General Laws Chapter 268A.

XVII. CERTIFICATION OF TAX COMPLIANCE

This contract shall include a certification by (Vendor) that (Vendor) is in full compliance with all laws of the Commonwealth of Massachusetts relating to taxes, as required by Massachusetts General Laws Chapter 62C, §49A. Said Certification is attached hereto.

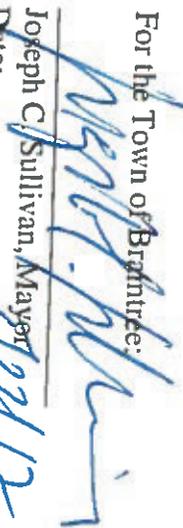
For (Vendor):



(Signature Title)

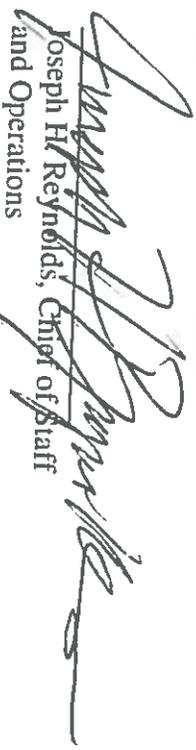
Date: 4/26/17

For the Town of Brimfield:



Joseph C. Sullivan, Mayor

Date: 5/22/17


Joseph H. Reynolds, Chief of Staff
and Operations

Approved As to Form:



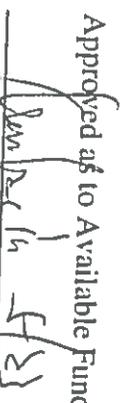
Lisa S. Maki

Town Solicitor

Recommended by:


James Arsenault, Department Director

Approved as to Available Funds


Mark Lin, Town Accountant

Account No:

Purchase Order No.: 10380

1 Ford F150, \$68,400.00: 30-01664-6197

1 Ford F250, \$39,075.00: 30-01664-6163

1 Ford F350, \$51,675.00: 30-~~01664~~-6195
01502

Town of Braintree
Department of Public Works: Facilities
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference F8

1. Department: DPW
2. Sub-Department: Engineering
3. Date: 1/10/2022
4. Contact Person: Mike McGourty
5. Contact Title: Facilities Superintendent
6. Phone: 781-794-8947
7. Project Name: Equipment Lift
8. Number of Units Requested: 1
9. Number of Similar Items in Inventory: 1
10. Purpose of Expenditure (check as appropriate):
 Scheduled replacement
 Replace worn-out equipment
 Expanded service
 Increased safety
 Present equipment obsolete
 Reduce personnel time
 New operation
 Improve procedures, record, etc.
11. Estimated Use of Requested Item
Days per year: 250
Average days per week: 5
Estimated life in years: 8
12. Purchase Price
- | | Per Unit | Total |
|-----------------------------------|-----------|-----------|
| Cost: | \$140,000 | \$140,000 |
| Plus Installation or other costs: | \$0 | \$0 |
| Less Trade-in/other discounts: | \$0 | \$0 |
| Net Purchase: | \$140,000 | \$140,000 |
13. Replaced Equipment
Item:
Make:
Age:
14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)
15. Available Aid or Grants (specify): N/A
16. Comments:

17. Submitted by: Mike McGourty
Facilities Superintendent
18. Priority: 1

**Town of Braintree
Department of Public Works: Facilities
Capital Improvement Project Request Form
Schedule G-2 Construction/Renovation
Fiscal Year 2022-Reference F9**

- | | |
|---------------------------------------|---|
| 1. Department: | DPW |
| 2. Sub-Department: | Facilities |
| 3. Date: | 1/10/2022 |
| 4. Contact Person: | Mike McGourty |
| 5. Contact Title: | Facilities Superintendent |
| 6. Phone: | 781-794-8947 |
| 7. Project Name: | Security System: 74 Pond St. & 85 Quincy Ave. |
| 8. Costs: | \$125,000 |
| 9. Expenditure Schedule: | |
| FY22 | \$25,000 |
| FY23 | \$25,000 |
| FY24 | \$25,000 |
| FY25 | \$25,000 |
| FY26 | \$25,000 |
| 10. Planning & Design: | \$0 |
| 11. Site Improvement & Utilities: | |
| FY22 | \$0 |
| FY23 | \$0 |
| FY24 | \$0 |
| FY25 | \$0 |
| FY26 | \$0 |
| 12. Construction/renovation: | \$125,000 |
| 13. Other (Specify): | |
| 14. Cost Totals: | \$125,000 |
| 15. Available Aid or Grant (specify): | |
| 16. Description and Justification: | |
| 17. Submitted by: | Mike McGourty
Facilities Superintendent |
| 18. Priority: | 2 |

Schedule G-1 for Capital Equipment
Capital Equipment Purchase Request Form F/Y21

1. Department: Department of Public Works

2. Sub-Department: Highway

3. Date : 9/14/2020

4. Contact Person: Benjamin Hulke

5. Title: Asst. Dir. of Public Works

6. Phone: 781-794-8959

7. Project Name: Security System / Cameras

8. Number of Units Requested: 1 FY 20

9. Number of Similar Items in Inventory: 1

10. Purpose of Expenditure

(check as appropriate):

Scheduled Replacement

Present Equipment Obsolete

Replace Worn-out Equipment

Reduce Personnel Time

Expanded Service

New Operation

Increased Safety

Improve procedures, record, etc.

11. Estimated Use of Requested Item(s) per year:

Year Round

Estimated Useful Life in years: >15

Average days used per week: 7

Per Unit:

Purchase price or annual rental

\$30,000.00

Plus: Installation or other costs

Less: Trade-in, other discounts

Net: Purchase or annual rental

13. Replaced Equipment: 4 existing stationary security cameras

Item

Make

Age

Prior Year's

Maintenance Costs Breakdowns Rental Costs

14. Recommended disposal of Replaced Item(s):

Trade-in

Sale / Auction

Possible use by other departments

Other (please specify)

15. Available Aid or Grants (specify):

16. Comments: Upgraded / additional security cameras

17. Submitted by: Benjamin Hulke

Title: Asst. Dir. of Public Works

Date: 9/14/2020

18. Priority High

Department: DPW - Highway

Hulke, Benjamin

From: Kunz, Jeffrey
Sent: Friday, September 21, 2018 8:44 AM
To: Arsenault, James
Subject: FW: Cameras

FYI for capital

From: Welch, Mary
Sent: Monday, September 17, 2018 3:50 PM
To: Kunz, Jeffrey; McKenna, David
Subject: RE: Cameras

The license fee is a onetime charge. This fee allows us to have the camera loaded into the Lenel software for viewing and recording purposes.

The 245 Union street DPW yard quote came to \$17637.26. This included the 13387 for camera hardware, 2000 for cabling, and 2250 for licensing.

The camera hardware price included 3 fixed cameras with mounts included to be used to replace the 2 cameras at the gas pumps, as well as 1 camera on the back gate area. It also included 6 PTZ cameras that will be installed to cover the areas requested. The PTZ cameras can be manually adjusted. They do not follow motion, but by using multiple cameras we get the areas requested covered with overlap.

There may also be additional charges to get the network infrastructure at the DPW yard upgraded to support the camera install.

Any questions let me know.

From: Kunz, Jeffrey
Sent: Monday, September 17, 2018 8:10 AM
To: Welch, Mary <mwelch@beld.com>
Subject: FW: Cameras

Mary,

Can you answer Dave's questions through me please, as they'll pertain to all three properties? Also, is the license fee a one-time expense? Are there any annual expenses? Does BELD service the equipment (repairs and PM's)? Thanks,

Jeff

From: McKenna, David
Sent: Saturday, September 15, 2018 8:21 AM
To: Kunz, Jeffrey
Subject: RE: Cameras

Is the Licensing fee for the Property at 245 Union Street D.P.W. Yard Only?
Is it a yearly Fee or a onetime payment?

Does the licensing fee cover all the properties?

Regards
Dave

From: McKenna, David
Sent: Friday, September 14, 2018 1:47 PM
To: Kunz, Jeffrey
Subject: Re: Cameras

Perfect Beautification fund

Sent from my iPhone

On Sep 14, 2018, at 1:45 PM, Kunz, Jeffrey <jkunz@braintreema.gov> wrote:

The quote came in for Highway at \$9,413 (\$6413 for cameras, \$1,500 cabling and \$1,500 for the licensing). I reviewed with Jim (as there are multiple buildings in the quote) and it's your move if you can cover your costs, he said to proceed. Please let him know. Jeff

Town of Braintree
Department of Public Works: Facilities
Capital Improvement Project Request Form
Schedule G-2 Construction/Renovation
Fiscal Year 2022-Reference F10

1. Department: DPW
2. Sub-Department: Facilities
3. Date: 1/10/2022
4. Contact Person: Mike McGourty
5. Contact Title: Facilities Superintendent
6. Phone: 781-794-8947
7. Project Name: Braintree Police Department HVAC
8. Costs: \$800,000
9. Expenditure Schedule:
 FY22 \$800,000
 FY23 \$0
 FY24 \$0
 FY25 \$0
 FY26 \$0
10. Planning & Design: \$0
11. Site Improvement & Utilities:
 FY22 \$0
 FY23 \$0
 FY24 \$0
 FY25 \$0
 FY26 \$0
12. Construction/renovation: \$800,000
13. Other (Specify):
14. Cost Totals: \$800,000
15. Available Aid or Grant (specify):
16. Description and Justification: Replace aging HVAC system at the Braintree Police headquarters

17. Submitted by: Mike McGourty
 Facilities Superintendent
18. Priority: 2

Town of Braintree
Department of Public Works: Facilities
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference F11

1. Department: DPW
 2. Sub-Department: Engineering
 3. Date: 1/10/2022
 4. Contact Person: Mike McGourty
 5. Contact Title: Facilities Superintendent
 6. Phone: 781-794-8947
 7. Project Name: Concrete Saw
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- (v) Scheduled replacement
 (v) Replace worn-out equipment
 () Expanded service
 (v) Increased safety
 () Present equipment obsolete
 () Reduce personnel time
 () New operation
 () Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year: 250
 Average days per week: 5
 Estimated life in years: 8

12. Purchase Price	Per Unit	Total
Cost:	\$10,000	\$10,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$10,000	\$10,000

13. Replaced Equipment
 Item:
 Make:
 Age:

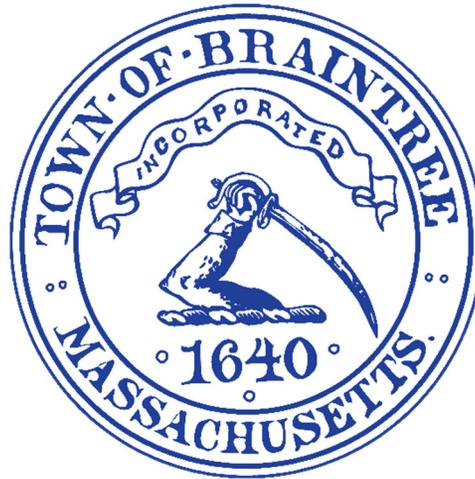
14. Recommended disposal of Replaced Item(s):
 ___ Sale
 ___ Possible use by other departments
 ___ Other (Trade-in)

15. Available Aid or Grants (specify): N/A
 16. Comments:

17. Submitted by: Mike McGourty
 Facilities Superintendent
 18. Priority: 1

Town of Braintree
Department of Public Works: Facilities
Capital Improvement Project Request Form
Schedule G-2 Construction/Renovation
Fiscal Year 2022-Reference F12

- | | |
|---------------------------------------|--|
| 1. Department: | DPW |
| 2. Sub-Department: | Facilities |
| 3. Date: | 1/10/2022 |
| 4. Contact Person: | Mike McGourty |
| 5. Contact Title: | Facilities Superintendent |
| 6. Phone: | 781-794-8947 |
| 7. Project Name: | Eldridge School |
| 8. Costs: | \$300,000 |
| 9. Expenditure Schedule: | |
| FY22 | \$150,000 |
| FY23 | \$150,000 |
| FY24 | \$0 |
| FY25 | \$0 |
| FY26 | \$0 |
| 10. Planning & Design: | \$0 |
| 11. Site Improvement & Utilities: | |
| FY22 | \$0 |
| FY23 | \$0 |
| FY24 | \$0 |
| FY25 | \$0 |
| FY26 | \$0 |
| 12. Construction/renovation: | \$300,000 |
| 13. Other (Specify): | |
| 14. Cost Totals: | \$300,000 |
| 15. Available Aid or Grant (specify): | |
| 16. Description and Justification: | Insulating Pipes and Windows |
| 17. Submitted by: | Mike McGourty
Facilities Superintendent |
| 18. Priority: | 2 |



Town of Braintree
Department of Public Works
Capital Budget – Grounds Maintenance & Cemetery
Fiscal Years 2022-2026

James Arsenault, PE
Director of Public Works

Town of Braintree
Department of Public Works
Schedule H-1 Summary of Capital Budget Request - Grounds & Cemetery
Fiscal Years 2022-2026

Rank	Reference	Project / Item	Type	New/ Replacement	Age of Replacement	Total Dollars	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
1	GC1	F550 XLT w/hook lift, 14ft dumpster and 15ft flatbed	Capital Equipment	Replacement	20+	216,000	108,000	108,000	-	-	-
2	GC2	Kubota tractor L6060HSTC	Capital Equipment	Replacement	18	54,000	54,000	-	-	-	-
3	GC3	Toro mower (2)	Capital Equipment	Replacement	11	230,000	115,000	115,000	-	-	-
4	GC4	John Deere 410 Backhoe	Capital Equipment	Replacement	17	220,000	-	-	110,000	110,000	-
5	GC5	Ford F-350XLT (2)	Capital Equipment	Replacement	10+	134,000	67,000	67,000	-	-	-
6	GC6	Scag windstorm blower	Capital Equipment	Replacement	37	13,000	13,000	-	-	-	-
7	GC7	80" AERA-vator with seed box	Capital Equipment	New	N/A	15,000	15,000	-	-	-	-
8	GC8	Pro Core aerator 1298 Toro	Capital Equipment	New	N/A	34,000	34,000	-	-	-	-
9	GC9	Landscape trailers (2), 7000lb torsion axels, 7000lb jack, 7000lb ramp. (2)	Capital Equipment	Replacement	33	48,000	24,000	24,000	-	-	-
10	GC10	Lely Thatcher, model 450-15	Capital Equipment	New	N/A	7,500	7,500	-	-	-	-
11	GC11	Landpride AFM4216 All flex mower deck	Capital Equipment	New	N/A	19,000	19,000	-	-	-	-
Totals						990,500	456,500	314,000	110,000	110,000	-

**Town of Braintree
 Department of Public Works: Grounds & Cemetery
 Capital Equipment Purchase Request Form
 Schedule G-1 Capital Equipment
 Fiscal Year 2022-Reference GC1**

1. Department: DPW
 2. Sub-Department: Grounds & Cemetery
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Asst. Recreation & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: F550 XLT w/hook lift, 14ft dumpster and 15ft flatbed
 8. Number of Units Requested: 2
 9. Number of Similar Items in Inventory: 2
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year:
 Average days per week:
 Estimated life in years:

5
 10

12. Purchase Price	Per Unit	Total
Cost:	\$108,000	\$216,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$108,000	\$216,000

13. Replaced Equipment
 Item: 1999 Ramp Truck
 Make:
 Age: 23

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A
 16. Comments:

17. Submitted by: Chris Griffin
 Asst. Recreation & Community Events Coordinator
 18. Priority: 1

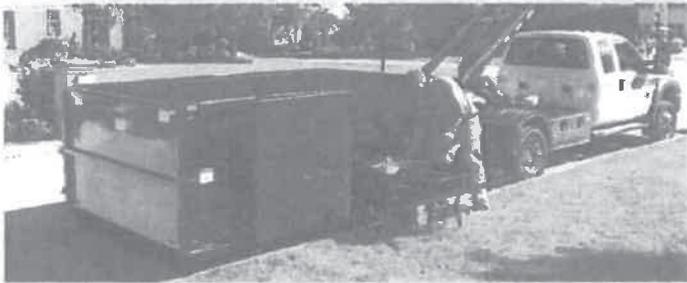


Interchangeable Truck Body System

DUMPSTER/ DROP BOX



Switch-N-Go.com • 888 311-0867



Features

- High quality powder coated finish up to 14'
- Sloped front for easy clean out
- Three build grades available
- Standard 6" steel rollers
- Custom options available

Distributor Info:

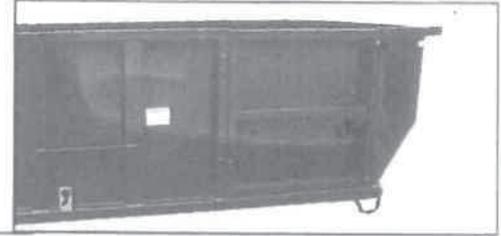
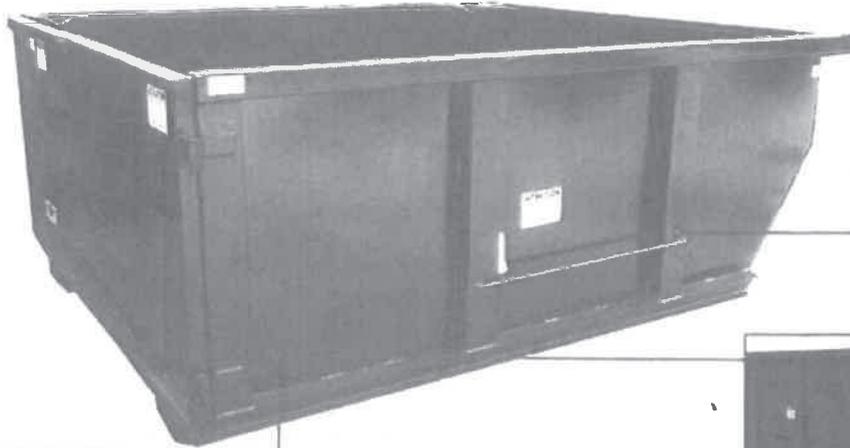
TO FIND A DISTRIBUTOR IN YOUR AREA

SWITCHNGO.COM/DISTRIBUTOR

63



DUMPSTER/DROP BOX OPTIONS



Curbside Door
(Available only on Medium & Heavy Duty and only 10' or Greater.)

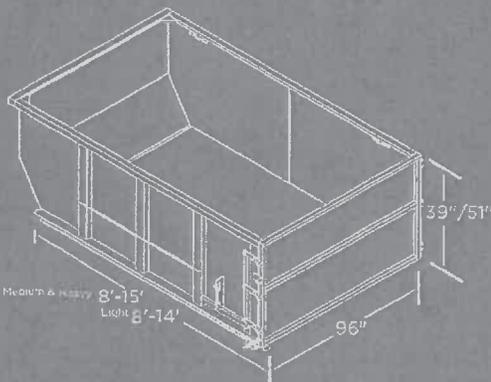


Welded D-rings



Single swing or barn doors

SPECIFICATIONS



	LIGHT ¹	MEDIUM	HEAVY
OPTIONS	NONE	ALL AVAILABLE OPTIONS	
FLOOR	12 GA	10 GA	3/16"
SIDE POSTS	1 POST PER SIDE 12 GA	2-3 POSTS PER SIDE 12 GA	30"-36" ON CENTER 12 GA
CROSS MEMBERS	FORMED 3" CHANNEL ON 16" CENTERS	3" STRUCTURAL CHANNEL ON 16" CENTERS	3" STRUCTURAL CHANNEL ON 12" CENTERS
TOP RAIL	FORMED SIDE	3" X 3" 1/8" TUBING	3" X 3" 3/16" TUBING
TAILGATE	2" X 2" x 1/8" TUBULAR FRAME WORK FORMED 12GA SHEET		3" X 3" x 3/16" FORMED 10 GA CROSS TUBE
SIDE HEIGHT	39" & 51"		36" & 48"
SIDES/FRONT/TAILGATE	12 GA		
REAR CORNER POST	7 GA		

Specifications are subject to change with or without notice. Products not warranted for any specific purpose.
¹Economical build grade intended use of hauling light weight bulk materials.

Deist 3550 Perry Highway - Hadley, PA 16130
INDUSTRIAL 868 311-0867



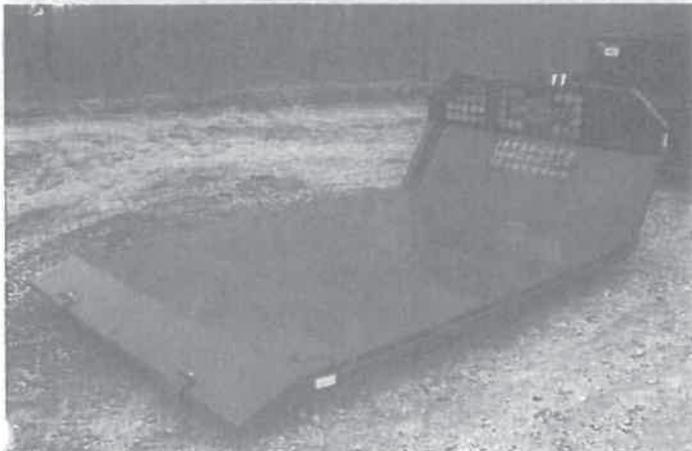
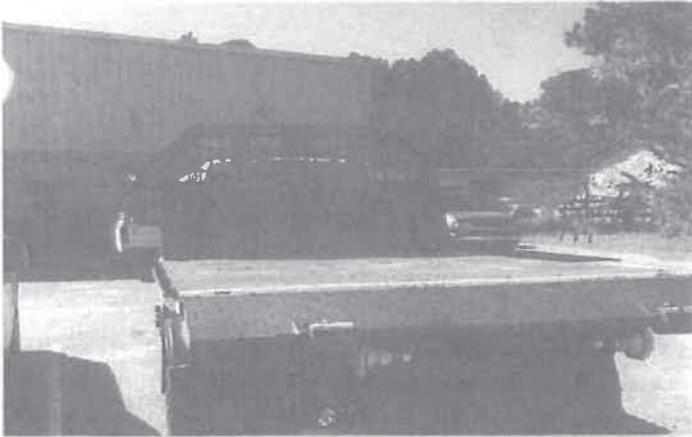


Interchangeable Truck Body System

PLATFORM BODY



Switch-N-Go.com • 888 311-0867



Features

- High quality powder coated finish up to 14'
- Lightweight design
- 24" on center stake pockets
- Lasercut window in bulkhead
- 4-Corner chain keyholes
- Low profile 4" rollers
- Custom options available

Distributor Info:

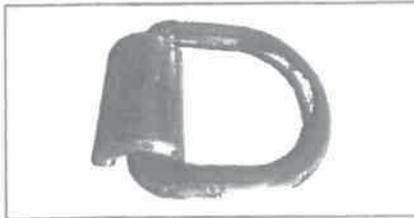
TO FIND A DISTRIBUTOR IN YOUR AREA

SWITCHNGO.COM/DISTRIBUTOR

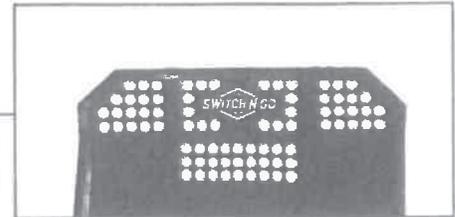




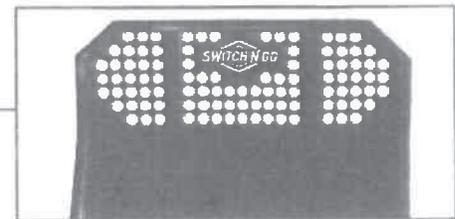
PLATFORM BODY OPTIONS



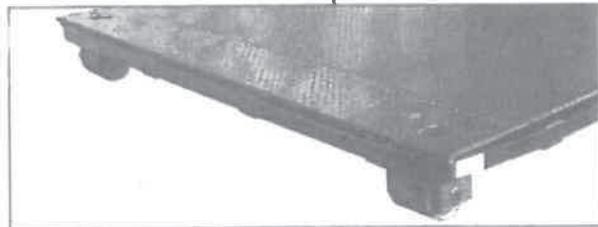
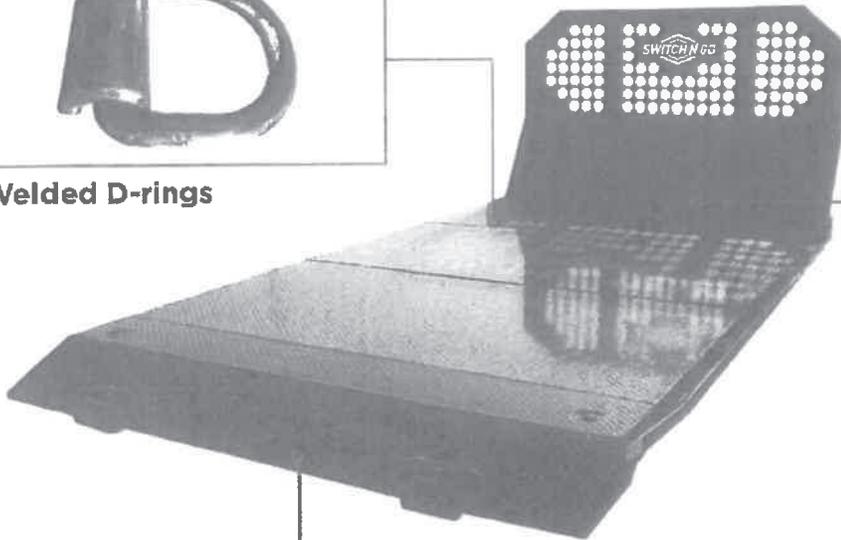
Welded D-rings



39" Height Bulkhead

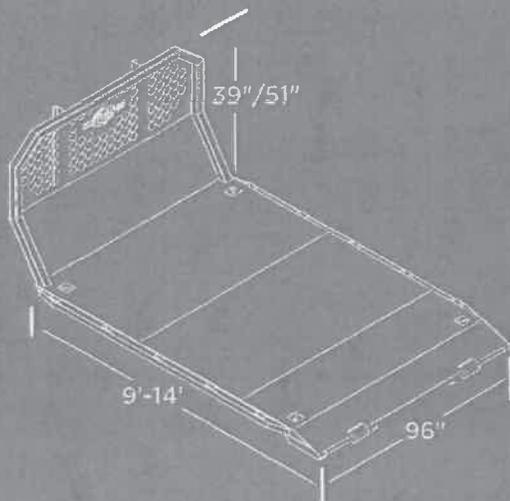


51" Height Bulkhead



Optional No Beavertail

SPECIFICATIONS



	9-12' LENGTHS	13-15' LENGTHS
FLOOR	1/8" DIAMOND PLATE	3/16" DIAMOND PLATE
BULKHEAD WINDOW	~ 3.8 SQ FEET AREA	~ 4.4 SQ FEET AREA
OUTER RAIL	3" x 3" x 1/8" TUBING	3" x 4" x 3/16" TUBING
STAKE POCKETS	24" ON CENTERS	
RUB RAIL	3/8" X 2" FLATBAR	
ROLLERS	4" DIAMETER BY 6" WIDE	
CROSSMEMBERS	3" STRUCTURAL CHANNEL 16" ON CENTER	
KEYHOLES	LOCATED IN CORNERS OF PLATFORM FLOOR	

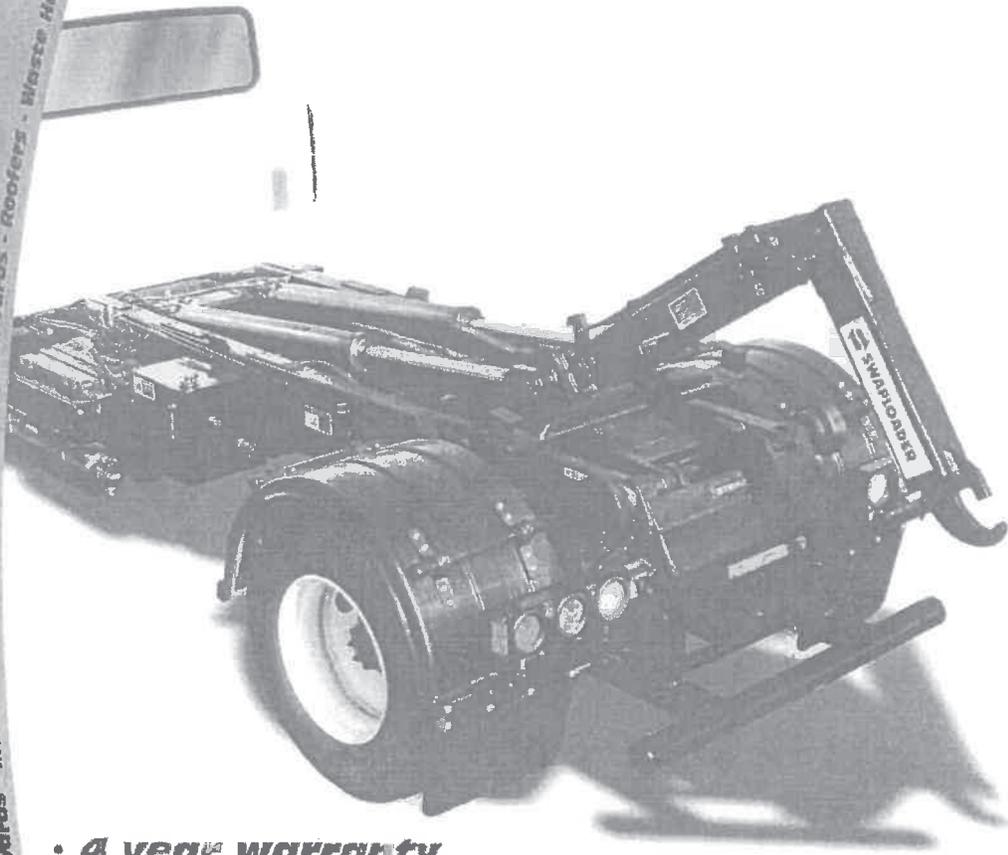
Specifications are subject to change with or without notice. Products not warranted for any specific purpose.

Deist 3550 Perry Highway • Hadley, PA 16130
888-311-0867



100 SERIES

10,500 - 18,000 LBS. LIFT CAPACITY



- **4 year warranty**
- **Sliding jib**
- **Slide through body locks**
- **Large beveled rear rollers**
- **Dual pivot rear section**
- **Dual lift cylinders**
- **Nylatron slide pads**
- **Low pressure hydraulics**
- **Integral dual counter balance valves**
- **Designed and built in the USA**

100 SERIES

SWAPLOADER®

U.S.A. LTD.

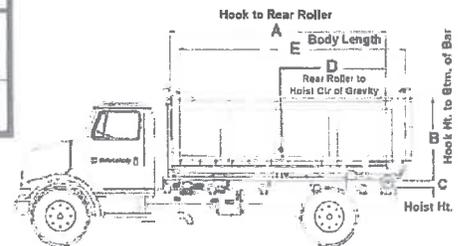
General Contractors • Landscapers • Lumber yards • Municipals • Governmental • Rental Yards • Roofers • Waste Haulers



100 Series Hoists SPECIFICATIONS

MODEL DESCRIPTION	SL-105	SL-145	SL-180	SL-185	
DUMP CAPACITY (INCLUDING CONTAINER)	10,500 lb	14,000 lb	18,000 lb	18,000 lb	
DUMP ANGLE	58°	56°	57°	58°	
LIFT CAPACITY (INCLUDING CONTAINER)	10,500 lb	14,000 lb	18,000 lb	18,000 lb	
HOIST WEIGHT	FIXED	1,680 lb	2,250 lb	2,840 lb	2,710 lb
	ADJ.	N/A	N/A	3,005 lb	2,875 lb
HOOK TO REAR ROLLER (DIM. A)	116.0"	138.37"	153.88"	137.88"	
HOOK HEIGHT (DIM. B)	FIXED	35.63"	35.63"	35.63"	35.63"
	ADJ.	N/A	N/A	35.63" / 53.88"	35.63" / 53.88"
HOIST HEIGHT (DIM. C)	5.5"	6.5"	7.5"	7.5"	
HOIST CG (DIM. D)	58.1"	68.7"	77.0"	67.0"	
BODY LENGTH (DIM. E) ②	10' - 13'	12' - 15'	14' - 18'	12' - 16'	
OPTIMUM BODY LENGTHS	10' - 12'	12' - 14'	14' - 16'	12' - 14'	
BODY LONGSILL WIDTH ③	41.63"	41.63" / 40.5"	41.63" / 40.5"	41.63" / 40.5"	
HYDRAULIC PUMP TYPE (CID)	Gear (1.86)	Gear (2.96)	Gear (2.96)	Gear (2.96)	
FLOW @ PUMP RPM ④	7.2 GPM @ 1,000 RPM	11.4 GPM @ 1,000 RPM	11.4 GPM @ 1,000 RPM	11.4 GPM @ 1,000 RPM	
RELIEF PRESSURE	3,250 PSI	3,250 PSI	3,250 PSI	3,250 PSI	
HYDRAULIC RESVR.	15 gal	15 gal	15 gal	15 gal	
LIFT CYLINDER	TYPE ALL MODELS INCORPORATE TWIN, DOUBLE ACTING CYLINDER WITH A DUAL BUILT-IN COUNTERBALANCE VALVES.				
	QUANTITY	2	2	2	2
	BORE	Ø 4"	Ø 5"	Ø 5.25"	Ø 5.25"
	STROKE	38"	40"	54"	46"
JIB CYLINDER	TYPE ALL MODELS INCORPORATE A SINGLE, DOUBLE ACTING CYLINDER WITH A SINGLE BUILT-IN COUNTERBALANCE VALVES.				
	QUANTITY	1	1	1	1
	BORE	Ø 2.5"	Ø 3"	Ø 3"	Ø 3"
	STROKE	24"	32"	36"	32"
TRUCK SPECS (RESORAW-100-01)	GVW RANGE	13,000 lb - 19,000 lb	18,000 lb - 26,000 lb	22,000 lb - 35,000 lb	22,000 lb - 35,000 lb
	CAB-AXLE DIM. (SINGLE AXLE) ④	84" - 96"	102" - 120"	120" - 138"	108" - 120"
	CAB-TRUNION DIM. (TANDEM AXLE) ④	N/A	N/A	N/A	N/A
	TRUCK FRAME RBM	350,000 in lb	500,000 in lb	600,000 in lb	600,000 in lb
	CLEAR FRAME RAIL ⑤	130"	152"	172"	156"
	FRAME HEIGHT	up to 40"	up to 40"	up to 40"	up to 40"
PTO SPECS (RESORAW-100-01)	PUMP MOUNT ⑦	Direct Mount SAE B, 2 Bolt	Direct Mount SAE B, 4 Bolt	Direct Mount SAE B, 4 Bolt	Direct Mount SAE B, 4 Bolt
	TORQUE REQUIRED	80 ft-lbf	125 ft-lbf	125 ft-lbf	125 ft-lbf

- 4 year warranty
 - Sliding jib
 - Slide through body locks
 - Large beveled rear rollers
 - Dual pivot rear section
 - Rugged main frame
 - Dual lift cylinders
 - Nylatron slide pads
 - Low pressure hydraulics
 - Rigorous 4 year test cycle
 - Integral Dual Counter Balance Valves
 - Designed and Built in the USA
- 1 Jib Lock out valve to prevent jib operation in dump mode standard.
 - 2 Hoist with longer bodies may not conform with I.C.C. bumper regulations or may not achieve maximum dump angle depending on truck chassis height. Contact your SwapLoader distributor for more information.
 - 3 Maximum outside to outside long sill width.
 - 4 Optimum CA/CT dimension will be influenced by type of loads carried and turning radius requirements.
 - 5 Clear frame Dim given is the overall length of hoist plus 5" for cab clearance and rear light bar mounting. Additional frame length may be necessary for other accessories such as cab guard, tarper, exhaust system, etc.
 - 6 Pump RPM and Flow are dependent on engine RPM and PTO ratio.
 - 7 PTO/Pump rotation as determined by transmission.
 - 8 Polished Nitrided Cylinder Rod.



SwapLoader USA, Ltd.
 1800 N.E. Broadway Ave.
 Des Moines, IA 50313
 Ph: 515-266-3042
 Fax: 515-313-4426
 Toll Free: 888-767-8000

Your authorized SwapLoader dealer

Ask about the wide range of available SwapLoader models

www.swaploader.com

SWL-050
 02/11 Rev. 04/17

Pricing Proposal Form

GBPC|BAPERN GBPC 2019 Vehicles

Public Service Vehicles & Equipment

2019 Model Year Public Services Vehicles and Factory Options - Ford

Proposal Due Date: Friday, August 24, 2018 at 12:00 p.m.

Respondent: Jack Madben Ford Sales, Inc.

Year	Make	Model	Options	Price
2019	Ford	F Series Super Duty	F550 4X2 R/C CC DRW	\$40,630.00
2019	Ford	F Series Super Duty	F550 4X2 Super CC DRW	\$42,920.00
2019	Ford	F Series Super Duty	F550 4X2 Crew CC DRW	\$43,780.00
2019	Ford	F Series Super Duty	F550 4X4 R/C CC DRW <i>\$10,500.00</i>	\$43,535.00
2019	Ford	F Series Super Duty	F550 4X4 Super CC DRW	\$46,420.00
2019	Ford	F Series Super Duty	F550 4X4 Crew CC DRW	\$47,280.00
				\$32,200.00
				\$34,225.00
				\$34,995.00
				\$35,996.00
				\$38,420.00
				\$38,265.00

Ford - Manufacturer Factory Options					
Option-Super Duty F550 Chassis Cab DRW	MSRP	% Discount	Bid Price		
99T 6.7L Powerstroke Diesel V-8	\$9,010.00	2%	\$8,829.80		
X4N Axle, Limited Slip (Ratio 4.10)	\$360.00	2%	\$352.80		
X4L Axle, Limited Slip (Ratio 4.30)	\$360.00	2%	\$352.80		
X8L Axle, Limited Slip 4.88 Ratio (6.8L)	\$360.00	2%	\$352.80		
64D Wheels, Forged Polished Aluminum	\$1,095.00	2%	\$1,073.10		
TGM LT225/70Rx19.5G BSW Traction (4) A/P (2)	\$190.00	2%	\$186.20		
THB LT225/70Rx19.5G BSW Traction (4) All Season (2)	\$190.00	2%	\$186.20		
TGB LT225/70Rx19.5G BSW Max Traction (Six) (4x4)	\$215.00	2%	\$210.70		
TGK LT225/70Rx19.5G BSW Traction (Six) (4x4)	\$215.00	2%	\$210.70		
512 Spare Tire, Jack and Wheel	\$350.00	2%	\$343.00		
L Vinyl High Back Bucket	\$355.00	2%	\$347.90		
1 Cloth 40/20/40 Split Bench - Regular (XL Only)	\$100.00	2%	\$98.00		
1 Cloth 40/20/40 Split Bench - Crew Cab (XL Only)	\$315.00	2%	\$308.70		
Cloth 40/20/40 Split Bench - Super Cab (XL Only)	\$100.00	2%	\$98.00		
F550 DRW Chassis Options Cont	MSRP	% Discount	Bid Price		

4	Cloth High Back Bucket (Regular Cab)	\$515.00	2%	\$504.70
4	Cloth High Back Bucket (Super Cab)	\$515.00	2%	\$504.70
4	Cloth High Back Bucket (Crew Cab)	\$615.00	2%	\$602.70
2	Cloth Luxury Captains Chairs w/ Console (XLT) CREW CAB/SUPER CAB	\$945.00	2%	\$926.10
90R	Heated Rear Seats Lariat Crew Cab	\$300.00	2%	\$294.00
PUG	Paint, White Platinum Metallic Tri-Coat paint	\$300.00	2%	\$294.00
PRR	Paint, Ruby Red Metallic Tinted Clearcoat	\$200.00	2%	\$196.00
18B	Cab Steps (w/ Regular Chassis Cab)	\$320.00	2%	\$313.60
	Cab Steps (w/ Super/Crew Chassis Cab)	\$445.00	2%	\$436.10
166	Carpet Delete (XLT)	-\$50.00	2%	-\$49.00
16S	All-Weather Floor Mats (SC/CC)	\$135.00	2%	\$132.30
	All-Weather Floor Mats (RC)	\$90.00	2%	\$88.20
213	Electronic Shift-on-the-Fly 4x4	\$185.00	2%	\$181.30
65M	Fuel Tank, 28.5 Gal. Midship	\$125.00	2%	\$122.50
65C	Fuel Tank, Dual Diesel (28.5 Gal.& 40 Gal.)	\$625.00	2%	\$612.50
41H	Heater, Engine Block	\$100.00	2%	\$98.00
54F	Mirrors, PowerScope® Power Glass T-Tow (XLT)	\$280.00	2%	\$274.40
	F550 DRW Chassis Options Con't	MSRP	% Discount	Bid Price
52B	TowCommand™ Integrated Trailer Brake Controller	\$270.00	2%	\$264.60

473	Snow Plow Package		\$185.00	2%	\$181.30
61S	Splash Guards/Mud Flaps (Front)		\$75.00	2%	\$73.50
41P	Skid Plate Package		\$100.00	2%	\$98.00
68U	Payload Upgrade Package		\$815.00	2%	\$798.70
68M	Payload Plus Upgrade Package		\$1,155.00	2%	\$1,131.90
68D	Payload Downgrade Package		N/C	N/C	N/C
86S	Low Deflection Package		\$110.00	2%	\$107.80
67X	Suspension Package, Extra Heavy Service		\$125.00	2%	\$122.50
67H	Suspension Package, Heavy Service		\$125.00	2%	\$122.50
61J	Tire Jack		\$55.00	2%	\$53.90
531	Trailer Towing Package (XL)		\$45.00	2%	\$44.10
535	High Capacity Trailer Tow		\$580.00	2%	\$568.40
62R	Transmission Power Take-Off Provision AUTO TRANS ONLY		\$280.00	2%	\$274.40
41A	Rapid-Heat Supplemental Cab Heater		\$250.00	2%	\$245.00
86A	Engine Idle Shutdown - 5 Minutes		\$250.00	2%	\$245.00
86B	Engine Idle Shutdown - 10 Minutes		\$250.00	2%	\$245.00
	F550 DRW Chassis Options Con't		MSRP	% Discount	Bid Price
86C	Engine Idle Shutdown - 15 Minutes		\$250.00	2%	\$245.00
86D	Engine Idle Shutdown - 20 Minutes		\$250.00	2%	\$245.00

98R	Operator Commanded Regeneration (OCR)		\$250.00	2%	\$245.00
67P	Extra HD Front End Suspension - GAWR 7,500 lbs		\$285.00	2%	\$279.30
61L	Wheel Well Liner-FRONT		\$180.00	2%	\$176.40
525	Cruise Control (XLT/Lar)		N/C	N/C	N/C
59H	Center High Mount Stop Lamp (CHMSL)		N/C	N/C	N/C
872	Rear View Camera & Prep Kit		\$415.00	2%	\$406.70
76S	Remote Start System		\$250.00	2%	\$245.00
435	Window, Power Sliding Rear		\$405.00	2%	\$396.90
76C	Exterior Back-up Chime		\$140.00	2%	\$137.20
96V	XL Value Package		\$1,000.00	2%	\$980.00
17F	XL Décor Package		\$220.00	2%	\$215.60
87H	Hood Deflector - Black Molded		\$130.00	2%	\$127.40
90L	Power Equip Group on XL (Reg & Super Cabs)		\$915.00	2%	\$896.70
17V	Power Equip Group on XL (Crew Cabs)		\$1,125.00	2%	\$1,102.50
	XLT Value Package (Super & Crew Cabs)		\$1,600.00	2%	\$1,568.00
	F550 DRW Chassis Options Cont		MSRP	% Discount	Bid Price
	XLT Value Package (Regular Cabs)		\$1,460.00	2%	\$1,430.80
43C	1.10V/400W Outlet		\$75.00	2%	\$73.50
	1.10V/400W Outlet with 882		N/C	N/C	N/C

	110V/400W Outlet with 913		N/C	N/C	N/C
18A	Uppfitter Interface Module		\$295.00	2%	\$289.10
63A	Utility Lighting System		\$160.00	2%	\$156.80
	Utility Lighting System w/ 54F		N/C	N/C	N/C
555	Rear Inflatable Seat Belts w/ Rear Belt Monitor		\$185.00	2%	\$181.30
43B	Defrost w/ Fixed & Privacy Glass		\$60.00	2%	\$58.80
	Defrost w/ Fixed & Privacy Glass (w/ 435)		N/C	N/C	N/C
67E	Extra-Extra Heavy Duty Alternator		\$85.00	2%	\$83.30
	Extra-Extra Heavy Duty Alternator w/ 473 or 43C		N/C	N/C	N/C
924	Privacy Glass (Regular Cab w/ 43B)		N/C	N/C	N/C
86M	Dual Batteries (78 Amp.) on 6.2L Gas		\$210.00	2%	\$205.80
913	SYNC® 3		\$450.00	2%	\$441.00
67B	Dual Extra Heavy-Duty Alternator		\$115.00	2%	\$112.70
	Dual Extra Heavy-Duty Alternator w/ 41A		N/C	N/C	N/C
	F550 DRW Chassis Options Con't		MSRP	% Discount	Bid Price
39S	SiriusXM® Satellite Radio		\$185.00	2%	\$181.30
924	Privacy Glass		\$30.00	2%	\$29.40
87S	FordPass™ Connect		\$225.00	2%	\$220.50
21X	Vehicle Safe by Console Vault		\$330.00	2%	\$323.40

21N	Navigation System	\$570.00	2%	\$558.60
47A	Ambulance Prep. Package	\$1,205.00	2%	\$1,180.90
47L	Ambulance Prep. Pkg. (Special Emissions)	\$1,205.00	2%	\$1,180.90
47J	Fire Rescue Prep. Pkg. (Special Emissions)	\$1,205.00	2%	\$1,180.90
585	Premium Electronic AM/FM Stereo w/ Single CD/MP3 Player/Clock(XL fleet only)	\$550.00	2%	\$539.00
91S	LED Warning Strobes - Amber	\$675.00	2%	\$661.50
91G	LED Warning Strobes - White	\$725.00	2%	\$710.50
51D	Spare Tire Delete (Only available to Pool Accounts for sale to RI)	-\$85.00	2%	-\$83.30
525	Cruise Control	\$235.00	2%	\$230.30
87T	Fleet Telematics Modem	\$800.00	2%	\$784.00
942	Daytime Running Lamps (Fleet only)	\$45.00	2%	\$44.10
62M	Adjustable Gas and Brake Pedals (Fleet XLT)	\$120.00	2%	\$117.60
525	Cruise Control	\$235.00	2%	\$230.30
F550 DRW Chassis Options Can't		MSRP	% Discount	Bid Price
926	Customizable Speed Limit (65 mph)	\$80.00	2%	\$78.40
927	Customizable Speed Limit (75 mph)	\$80.00	2%	\$78.40
PGR	Paint, Green (Fleet Only)	\$660.00	2%	\$646.80
PWG	Paint, Green Gem (Fleet Only)	\$660.00	2%	\$646.80
PMB	Paint, Orange (Fleet Only)	\$660.00	2%	\$646.80

PBY	Paint, School Bus Yellow (Fleet Only)	\$660.00	2%	\$646.80
PE4	Paint, Vermillion Red (Fleet Only)	\$660.00	2%	\$646.80
PAT	Paint, Yellow (Fleet Only)	\$660.00	2%	\$646.80

Town of Braintree
Department of Public Works: Grounds & Cemetery
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference GC2

1. Department: DPW
 2. Sub-Department: Grounds & Cemetery
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Asst. Recreation & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: Kubota tractor L6060HSTC
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 1
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year:
 Average days per week:
 Estimated life in years:

10-15

12. Purchase Price	Per Unit	Total
Cost:	\$54,000	\$54,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$54,000	\$54,000

13. Replaced Equipment
 Item: Kubota tractor
 Make:
 Age: 18

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A

16. Comments:

17. Submitted by: Chris Griffin
 Asst. Recreation & Community Events Coordinator

18. Priority: 1



www.norfolkpower.com
info@norfolkpower.com

Ship To: IN STORE PICKUP

5 Cushing Drive
Wrentham, MA 02093
Tel: (508) 384-0011
Fax: (508) 384-8667

846 Bronco Highway
Burrillville, RI 02830
Tel: (401) 710-9911
Fax: (401) 710-9466

45 North Main Street
Carver, MA 02330
Tel: (774) 213-9190
Fax: (508) 465-0931

Please remit payment to Wrentham address

Branch 03 - CARVER		
Date 09/27/2019	Time 14:55:22 (O)	Page 1
Account No BRAIN008	Phone No	Est No 00 Q01015
Ship Via	Purchase Order	
Tax ID No		
JASON DONOVAN		Salesperson JWD / JWD

Invoice To: BRAINTREE PARK DEPT.
OFF UNION STREET
BRAINTREE MA 02184

EQUIPMENT ESTIMATE - NOT AN INVOICE

Description ** Q U O T E ** EXPIRY DATE: 12/30/2020 Amount

STATE CONTRACT FAC88 PRICING

kubota 16060hstc 4wd tractor 49416.00
 factory cab with heat and a/c
 hydrostatic transmission
 kubota alr6818a front lsw turf tires
 kubota alr6819 rear lsw turf tires
 kubota 16026 cloth air-ride seat
 kubota 18396 1st remote lever kit
 kubota 18393 2nd remote lever kit
 kubota 18308 double acting remote valve
 kubota 18309 float detent remote valve
 kubota 18364 rear wiper kit
 kubota (qty) 7 front suitcase weights
 kubota mx8068 front weight bracket
 kubota b18060b front weight bolt kit
 kubota 18387 mid pto insert kit
 kubota 18333 rear worklight kit

66

Sale # 01 Subtotal: 49416.00
TOTAL: 49416.00

Miscellaneous Charges/Credits

STATE CONTRACT Qty: 1 Price: 6596.00 6596.00

Miscellaneous Charges/Credits Total: 6596.00

Subtotal: 42820.00
Quote Total: 42820.00

Authorization: _____

WHOLEGOODS RETURN POLICY: (1) All new equipment comes with a written manufacturer's warranty. Any defects in material workmanship are subject to repair according to the manufacturer's warranty. Unless directed by the manufacturer, equipment will not be replaced. (2) Equipment returned within seven business days in new unused conditions may be exchanged or refunded for the full amount. (3) Equipment returned within seven business days and has been used subject to a thirty percent restocking fee. (4) No returns after seven business days. (5) All special orders subject to a twenty percent cancellation fee. (6) Special order units are non-returnable.

All new equipment quotes valid for 45 days unless stated otherwise.

Thank You For Your Business!



(1)

2019 Kubota L6060 HSTC Call for Price

**Availability**

Brochure

Year

2019

Manufacturer

Kubota

Model

L6060 HSTC

Overview

Description

Kubota's Grand L60 Series is the ultimate package for outstanding performance and maximum operator comfort in the 37-62 HP tractor segment. Premium in design and powerful in performance, the Grand L60 Series is equipped with high quality Kubota engines and transmissions. Whether you're mowing, landscaping or needing front-mounted implements, Kubota has the versatility capabilities to match your needs. All of this is backed up with Kubota's reputation for quality and durability, so you can maximize your productivity.

Engine

- Type: Direct injection, vertical, water-cooled 4 cycle diesel
- Engine gross power hp (kW): 62.0 (45.3)
- Engine net power hp (kW): 60.0 (44.8)
- PTO power hp (kW): 53.0 (39.5)
- No. of cylinders / Aspiration: 4 / Turbo with EGR
- Bore & stroke in. (mm): 3.4 x 4.0 (87 x 102.4)
- Total displacement cu. in. (cc): 148.5 (2434)
- Rated speed rpm: 2600
- Battery: 12V, RC: 133 min, 582A
- Alternator: 12V, 60A
- Fuel tank capacity US gal. (L): 13.5 (51)

PTO

- Rear PTO Revolution: 1 speed: 540 rpm
- Rear PTO Type: Independent
- Mid PTO: Option
- Mid PTO Revolution: 1 speed: 2000 rpm

Hydraulics

- Lift control type: Position: Standard
- Lift control type: Draft: Option
- Implement pump GPM (L/min.): 9.4 (35.6)

- Power steering pump GPM (L/min.): 4.7 (17.9)
- Total hydraulic flow GPM (L/min.): 14.1 (53.5)
- 3-point hitch: Category I & II
- Lift capacity at 24 in. behind lift point lb. (kg): 2976 (1350)

Traveling System

- Transmission: HST Plus (3 Ranges)
- Steering: Hydrostatic power steering
- Brake: Wet disc type

Standard Tire Size

- Front: 9.5-16
- Rear: 14.9-26

Travel Speeds

- No. of speeds (at rated engine speed): HST Plus (3 Ranges)
- H-DS L-L Forward/Reverse - mph (km/h): 2.1 (3.4) / 1.9 (3.1)
- H-DS L-M Forward/Reverse - mph (km/h): 4.3 (7.0) / 3.9 (6.3)
- H-DS L-H Forward/Reverse - mph (km/h): 10.1 (16.2) / 9.1 (14.6)
- H-DS H-L Forward/Reverse - mph (km/h): 3.6 (5.8) / 3.2 (5.2)
- H-DS H-M Forward/Reverse - mph (km/h): 7.3 (11.8) / 6.6 (10.6)
- H-DS H-H Forward/Reverse - mph (km/h): 16.8 (27.1) / 15.2 (24.4)

Dimensions and Weight

- Overall length (w/o 3P) in. (mm): 126.4 (3210)
- Overall width (min. tread) in. (mm): 67.3 (1710)
- Overall height in. (mm): 92.5 (2350)
- Wheelbase in. (mm): 75.4 (1915)
- Min. ground clearance in. (mm): 15.4 (392)
- Tread Front in. (mm): 52.8 (1340)
- Tread Rear in. (mm): 52.2 (1325); 56.3 (1430)
- Min. turning radius (w/brake, 4WD disengaged) ft. (m): 9.2 (2.8)
- Weight lb. (kg): 4365 (1980)

Features

- Transmission Options: Kubota's transmissions are built by Kubota and specifically designed to maximize the speed and torque to meet your needs. Fully Synchronized Main and Shuttle Transmission (FST) – The 8F/8R FST features two ranges and a fully synchronized main gear shift for easy shifting – without stopping; Glide Shift Transmission (GST) – Easy-to-use, featuring 12 speeds and clutchless operation to allow for greater speed matching with effortless shifting on the go; HST Plus Transmission – 3-range HST Plus transmission is easy to operate and comes with many other features to increase tractor productivity; Auto Throttle Advance – Automatically increases engine RPMs when transmission speed increases, then decreases engine RPMs when transmission speed decreases; Hydrostatic Dual Speed (HDS) – Allows for Hi-Low ranges in addition to the 3-Range HST which allows you to choose a lower or higher set of speeds within each of the main Hi-Medium-Low ranges; Auto HDS – Automatically adjusts the HDS depending on how much load the tractor is taking on; Adjustable Sensitivity – Adjusts the speed of response from the treadle pedal when increasing or decreasing speed; Cruise Control – Allows the operator to maintain a constant speed without keeping their foot on the treadle pedal; Stall Guard – A great feature for first-time users, the stall guard prevents the tractor from stalling out, even under heavy loads.
- Front Hitch: With two Kubota exclusive 4-point quick connect front hitch options, attaching front implements like blades, sweepers, snow blowers and flail mowers has never been easier. With a choice between a manual and fully auto front hitch, Kubota answers your needs for versatility. Available Implements: 62"/64"/72"/74" Utility Snow Blower Options, 74" & 80" Commercial Snow Blower Options, 60"/72"/84" Front Blade Options, 60" & 72" Rotary Sweeper Options, 72" Flail Mower.
- Performance Matched Front End Loader: Kubota Built Front Loader – Kubota's front loaders are built by Kubota and specifically designed to maximize the performance of the front loader and tractor; Standard 2-lever Quick Coupler – The standard mechanical or optional hydraulic 2-lever quick coupler make removing and attaching loader attachments quick and easy, with no tools required; Optional 3rd Function Valve – For attachments that require hydraulic power such as grapples; Easy-to-Remove – The Kubota LA555, LA805 and LA1055 front loaders are designed to be easy-to-remove and reinstall – without tools – whenever the job demands it; Maximum Visibility – Kubota's front loaders come with a curved boom design for optimum visibility; Ease of Use – With plenty of lift capacity, simultaneous lift and curl functions and a standard 2-lever quick coupler, the Kubota LA555, LA805 and LA1055 front loaders make it easy to complete your task with speed and ease.
- Performance Matched Backhoe: Kubota Built Backhoe – Kubota's backhoes are built by Kubota and specifically designed to maximize the performance of the backhoe and tractor; Easy-to-Remove – The Kubota BH77 and BH92 are easily removed without the use of tools; Optional Mechanical Thumb – Adding a thumb increases versatility and makes lifting objects even easier; Ease of Use – Designed with plenty of dig depth and reach, smooth hydraulics, cushioning valves to prevent shock when the dipper reaches the end of the cylinder stroke and ample room for the operator, you will find the BH77 and BH92 are not only easy-to-use, but also a pleasure to work with.
- Designed to Perform: The Grand L60 Series is designed with strength and durability in mind, featuring: Kubota Diesel Engine – Kubota is the #1 manufacturer of under 100 HP non-automotive, multi-cylinder diesel engines in the World; Common Rail System (CRS) – The CRS system delivers greater fuel savings, less engine noise and vibration and better emissions, while still maintaining a high level of power and torque; Kubota Performance Matched – The Grand L60 Series is built by Kubota for Kubota, it's not a rebranded product built and distributed by multiple manufacturers; Metal Hood and Fenders – Strong and durable metal hood and fenders will not only protect your equipment, but keep it looking good for a long time to come.
- Premium Tractor: The Grand L60 Series is designed with deluxe features for optimum comfort: Spacious Operator's Station – Easy to get on and off with plenty of leg room to increase operator comfort; Modern Dash Panel (ROPS Models) – Easy-to-read with all the information displayed right in front of the operator; IntelliPanel Display (Cab Models) – Stay up-to-date with our easy-to-read display, showing all of your information right in front of you; Easy-to-Use Controls – Simple controls that are easy to understand and operate, even for first time users; Kubota Treadle Pedal Design – Effortlessly change speed and direction using Kubota's forward and reverse treadle pedals; Deluxe Suspension Seat with Armrest – Increases operator comfort; Optional Air Ride Suspension Seat – Further increases comfort by absorbing shock; Tilt Steering Wheel – Allows you to adjust the steering wheel for maximum comfort; Rubber Floor Mat – Reduces noise and vibration, creating a more comfortable ride while decreasing fatigue; Cab & ROPS Version – Available with either economical ROPS or the comfort of a climate-controlled cab; Transmission Options – With a choice between the Kubota built, easy-to-use HST Plus, Glide Shift (GST) or Fully Synchronized (FST) transmission, you're sure to find the right balance of speed and torque to get your job done quickly and efficiently; Cruise Control – Allows the operator to maintain a constant speed without keeping their foot on the treadle pedal; Hydraulic Live-Independent PTO – Easy-to-use, no clutching or stopping; Ready for a Long Day – Standard cup holder, tool box and large fuel tank capacity; Power Steering – Hydrostatic power steering to increase smooth operation in tight turns.

Cab Features

- Grand Cab: Step inside the Grand L60 cab and discover spaciousness beyond expectation. Interior space has been increased by approximately 20 percent over previous model, and glass has been used extensively to minimize blind spots for a grander view of your surroundings. You also get wider opening doors for easier cabin entry and exit, a deluxe swivel-type suspension seat, more legroom, ample headroom and abundant storage compartments to store all your necessities and manual.

- **Air Conditioning with Internal Recirculation and External Air Ventilation:** The cab's deluxe air conditioner/heater can increase cooling, heating and air ventilation for greater climate control. You can switch between internal recirculation and external air ventilation: cool your cab quickly and thoroughly with the internal recirculation mode and the air in the cab will stay fresh.
- **New IntelliPanel™:** Stay up to date on the status of your Grand L60 tractor at all times with the IntelliPanel™. Combining an analog tachometer, temperature gauge and fuel gauge, a large-screen dot matrix digital panel, and upper and lower indicator, the IntelliPanel™ keeps you informed on the tractor's status including maintenance at a single glance.
- **Standard Indicators:** The IntelliPanel's standard indicators display the hour meter, trip meter, fuel consumption, PTO revolutions, HST information, particulate matter accumulation and maintenance information on the large and easy-to-read screen. The information can be switched easily with button operation. Furthermore, warning indicators, scheduled service alerts and DPF regeneration are also indicated on the panel to keep you informed at all times.
- **Cruise Control:** To keep your working speed constant, simply adjust the cruise control switch to your desired speed- and go.
- **Upper Front Side Lights Switch:** The upper front side lights switch is close at hand when you need extra visibility to the sides.
- **Column-type Combination Lever:** This new combination and switch allows you to operate the headlights and indicators with car-like ease.
- **Worklights:** In addition to the lower forward headlights, the upper front side lights provide a wider field of view when operating in the dark or in enclosed buildings like the shed or barn.

NOTES:

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purposes only. Please contact your local Kubota dealer for warranty information. For your safety, Kubota strongly recommends the use of a Rollover Protective Structure (ROPS) and seat belt in almost all applications. For complete operational information, the operator's manual should be consulted.

Specs

Engine

Engine Manufacturer
Kubota

Engine Type
Direct injection, vertical, water-cooled 4 cycle diesel. Displacement: 148.5 cu.in. (2434 cc)

Horsepower
Gross: 49.0 hp (36.6 kW); Net: 60.0 hp (44.8 kW)

PTO HP
53.0 hp (39.5 kW)

Rated RPM
2600 rpm

Bore and Stroke
3.4 x 4.0 in. (87 x 102.4 mm)

Specifications

Wheelbase
75.4 in. (1915 mm)

Height
92.5 in. (2350 mm)

Width
67.3 in. (1710 mm)

Weight
4365 lb. (1980 kg)

Ground Clearance
15.4 in. (392 mm)

Tire Size
Front: 9.5-16; Rear: 14.9-26

General

Fuel System
Direct injection

Fuel Capacity
13.5 gal. (51 L)

Transmission
HST Plus (3 Ranges)

Brakes

Wet disc type

Hydraulics

Total pump output: 14.1 gpm (53.5 Lpm)

Promotions

Promotions

(/factory-promotions/17887)

Kubota Special Offer - Tractors Agriculture (promotion-detail.htm?promold=17887)

FARMER VETERAN COALITION MEMBER REBATE (HTTPS://WWW.KUBOTAUSA.COM/FINANCE/SPECIAL-OFFERS#ITEM-0)

Customer instant rebate for Farmer Veteran Coalition members.

(offer ends 12/30/2019)

Customer Instant Rebate

Series	CIR
Z, F, W, VS	\$100
V, BX, B, L, DM, TE, RA	\$200
M, SL, DMC, RB	\$300
MH, K, R, S	\$500

Customer must be a member of Farmer Veteran Coalition (FVC) to qualify. For veteran to apply for FVC membership, please go to website: www.farmvetco.org.

KUBOTA M7 SERIES - NEW TRACTOR PURCHASE SPECIAL OFFERS (HTTPS://WWW.KUBOTAUSA.COM/FINANCE/SPECIAL-OFFERS#ITEM-1)

Up to 0% A.P.R. for 84 Months on your new M7 Tractor!

(offer ends 12/31/2019)

- 0% A.P.R. for 84 Months with 20% Down¹ OR
- 0% A.P.R. for 72 Months with 10% Down¹ OR
- 0% A.P.R. for 60 Months with 0% Down¹ OR

- 1.99% A.P.R. for 72 Months with 0% Down¹ OR
- 4.99% A.P.R. for 84 Months with 10% Down¹

OR

- \$5,000 Instant Rebate for Cash or Standard Rate Financing²

1. Listed series installment credit program not available for Rental, National Accounts or Governmental Customers. For eligibility, customer must pay a percentage of sales price, fees, and taxes per the table below. Subject to amount financed. See Length of Repayment by Amount Financed chart below. Only Kubota and Kubota performance-matched Allied equipment are eligible. Inclusion of ineligible equipment may result in a higher blended A.P.R. Stand Alone Kubota or Allied implements and attachments/accessories are subject to stand alone programs below. Financing is available through Kubota Credit Corporation, U.S.A.; subject to credit approval. Some exceptions apply. Offer expires 12/31/2019.

2. Customer instant rebates are available on cash or standard rate finance purchases of new Kubota models as indicated above from participating dealers stock. Rebate is not available with 0% A.P.R. or other promotional financing. Some exceptions apply. Offer expires 12/31/2019.

LENGTH OF REPAYMENT BY AMOUNT FINANCED

Maximum Term	A.P.R.	Down Payment	Example Monthly Payments per \$1,000 Financed
24 Months	0.00%	0%	\$41.67
36 Months	0.00%	0%	\$27.78
48 Months	0.00%	0%	\$20.83
60 Months	0.00%	0%	\$16.67
72 Months	0.00%	10%	\$13.89
72 Months	1.99%	0%	\$14.75
84 Months	0.00%	20%	\$11.90
84 Months	4.99%	10%	\$14.13

**KUBOTA AND/OR LAND PRIDE IMPLEMENT STAND ALONE FINANCING INSTALLMENT PROGRAM
([HTTPS://WWW.KUBOTAUSA.COM/FINANCE/SPECIAL-OFFERS#ITEM-2](https://www.kubotausa.com/finance/special-offers#item-2))**

Stand Alone Financing Installment Program

Maximum Term*	A.P.R.**	Down Payment	Eligible Equipment	Example Monthly Payments per \$1,000 Financed
24 Months	0.00%	0%	New Kubota performance-matched Land Pride Implements & Attachments	\$41.67
36 Months	2.99%	0%	New Kubota performance-matched Land Pride Implements & Attachments	\$29.08
48 Months	3.49%	10%	New Kubota performance-matched Land Pride Implements & Attachments	\$22.35
60 Months	3.99%	10%	New Kubota performance-matched Land Pride Implements & Attachments	\$18.41

*Subject to amount financed. See Length of Repayment by Amount Financed chart below.

**Only Kubota and Kubota performance-matched Land Pride equipment are eligible. Inclusion of ineligible equipment may result in a higher blended APR. Dealer document preparation fee may increase APR.

(*) LENGTH OF REPAYMENT

Amount Financed	Maximum Term in Months
From \$1,000 - \$5,000	30
From \$5,001 - \$10,000	48 ^a
\$10,001 or More	84

^a RTV500 & Z may be subject to finance terms up to 60 Months.
These rates are available only at participating Authorized Kubota Dealers.
All financing is subject to credit approval and acceptance by KCC.
KCC specifically reserves the right to terminate or modify these rates at any time.

Wrentham, MA

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Kubota



KUBOTA DIESEL TRACTOR

L

L3560/L4060/L4760 L5060/L5460/L6060

A new spacious cab, smoother all-round operation and clean-emission engines make the Grand L60 Series tractors grander than ever.



11/04

NEW GRAND

**Looking for a tractor that can handle more with less hassle?
Looking for a higher level of comfort and ease of operation that can't
be found in competitive tractors?**

**Then look no further than Kubota's new Grand L60 Series tractors.
With a spacious ergonomically designed cab, and a wide range of
versatile features to make jobs easier, the Grand L60 Series combines
luxury with outstanding productivity never before seen in its class.**

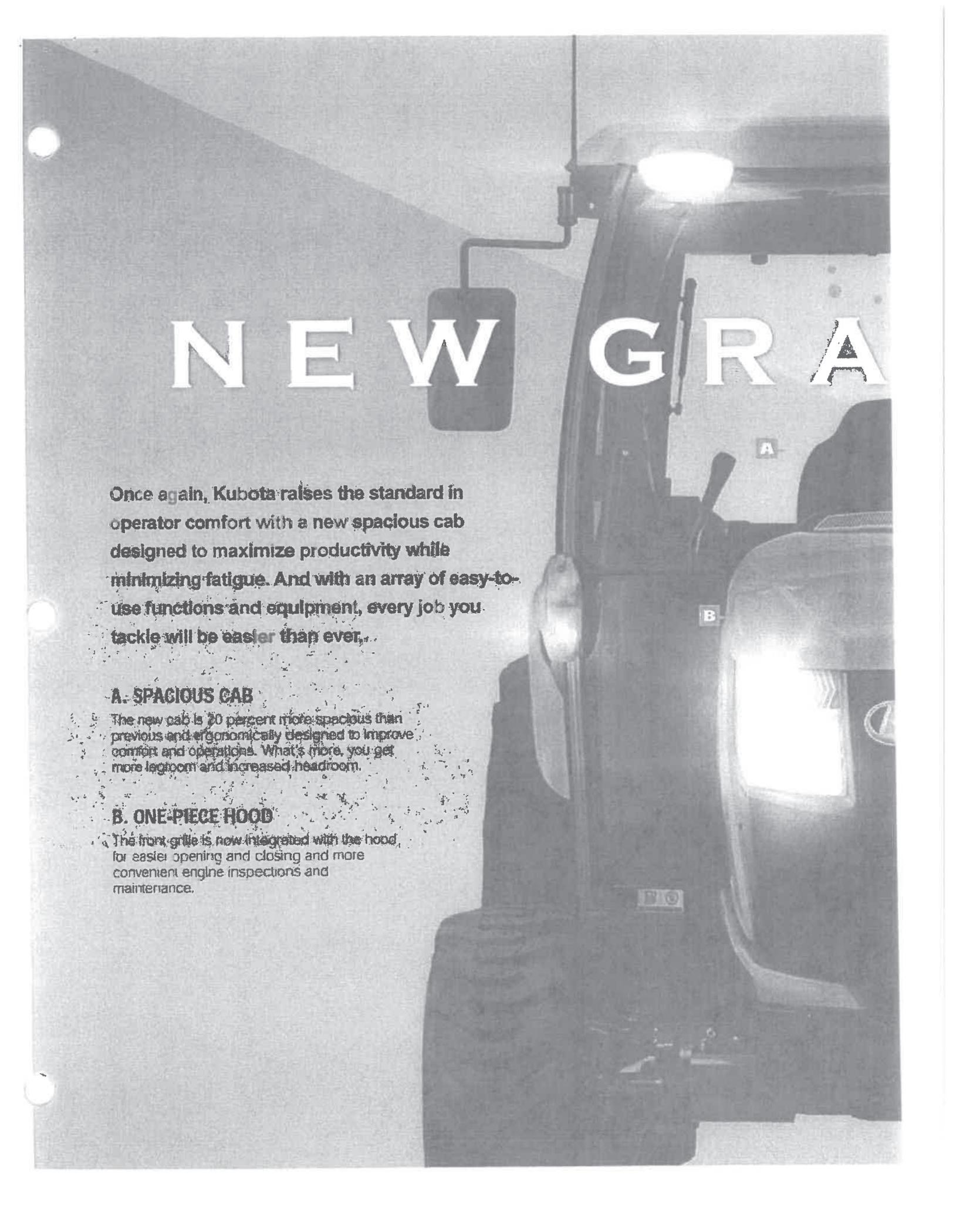


L60 SERIES

And with a choice of five clean-emission Common Rail engines and three advanced transmissions, the Grand L60 offers a higher level of performance while going easy on the environment and your budget. Whether you're replacing your existing tractor, upgrading to a bigger one or even buying for the first time, the Grand L60 Series will surely provide everything you need plus a whole lot more.



NEW GRA



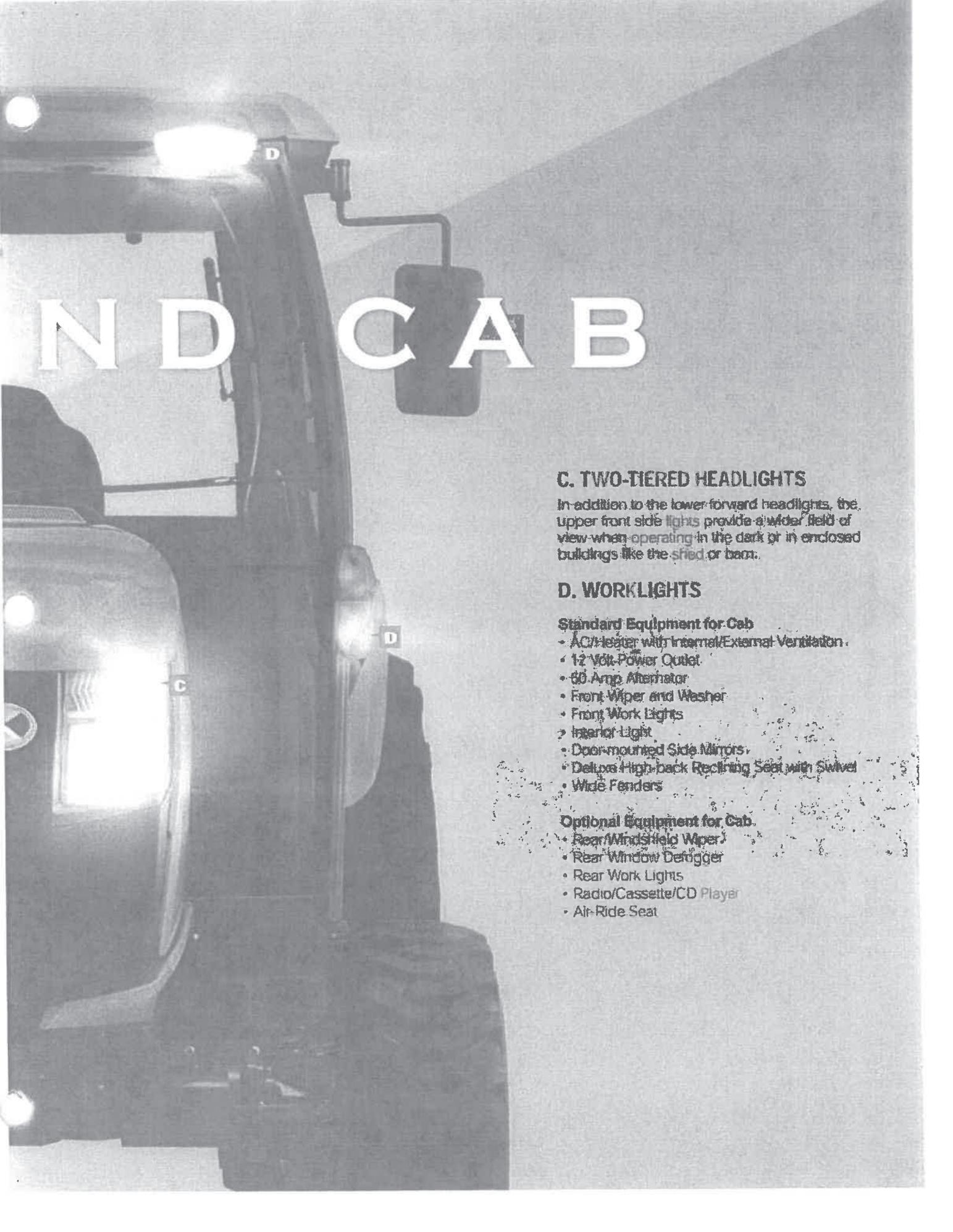
Once again, Kubota raises the standard in operator comfort with a new spacious cab designed to maximize productivity while minimizing fatigue. And with an array of easy-to-use functions and equipment, every job you tackle will be easier than ever.

A. SPACIOUS CAB

The new cab is 20 percent more spacious than previous and ergonomically designed to improve comfort and operations. What's more, you get more legroom and increased headroom.

B. ONE-PIECE HOOD

The front grille is now integrated with the hood for easier opening and closing and more convenient engine inspections and maintenance.



ND CAB

C. TWO-TIERED HEADLIGHTS

In addition to the lower forward headlights, the upper front side lights provide a wider field of view when operating in the dark or in enclosed buildings like the shed or barn.

D. WORKLIGHTS

Standard Equipment for Cab

- AC Heater with Internal/External Ventilation
- 12 Volt Power Outlet
- 60 Amp Alternator
- Front Wiper and Washer
- Front Work Lights
- Interior Light
- Door-mounted Side Mirrors
- Deluxe High-back Reclining Seat with Swivel
- Wide Fenders

Optional Equipment for Cab

- Rear Windshield Wiper
- Rear Window Defogger
- Rear Work Lights
- Radio/Cassette/CD Player
- Air-Ride Seat







NEW GRAND CAB™

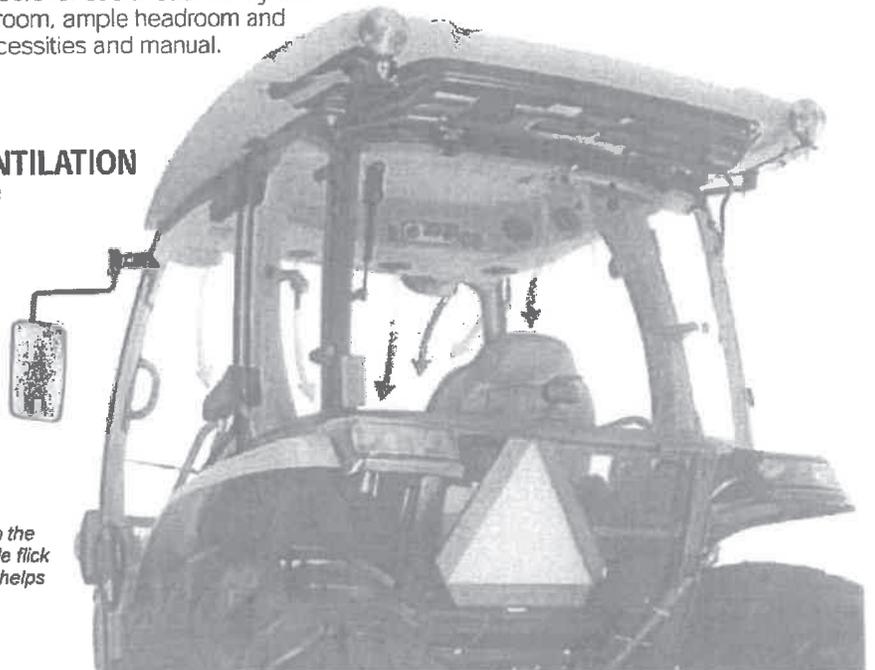
Step inside the Grand L60 cab and discover spaciousness beyond expectation. Interior space has been increased by approximately 20 percent over previous, and glass has been used extensively to minimize blind spots for a grander view of your surroundings. What's more, you get wider opening doors for easier cabin entry and exit, a deluxe swivel-type suspension seat, more legroom, ample headroom and abundant storage compartments to store all your necessities and manual.

AIR CONDITIONING WITH INTERNAL RECIRCULATION AND EXTERNAL AIR VENTILATION

The cab's deluxe air conditioner/heater can increase cooling, heating and air ventilation for greater climate control. You can switch between internal recirculation and external air ventilation: cool your cab quickly and thoroughly with the internal recirculation mode, and the air in the cab will stay fresh. The dual-level AC system, with a 7° – 14°F temperature differential, directs cooler air to the operator's upper body while sending warmer air toward the feet. And interior design offers more headroom.

Air Flow

Now you can have clean, filtered air in the cab, fresh from outside, with the simple flick of a switch. The increased ventilation helps prevent windows from fogging.



NEW

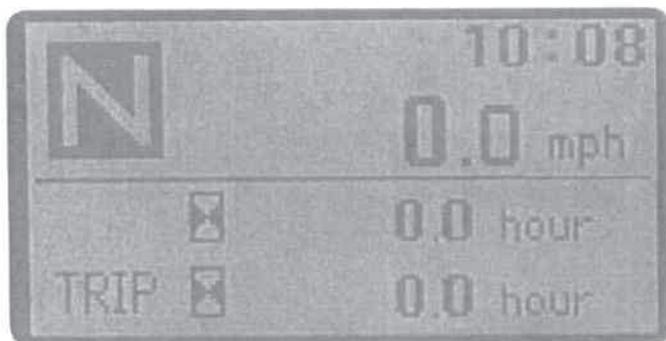
IntelliPanel™

Stay up to date on the status of your Grand L60 tractor at all times with the new IntelliPanel™. Combining an analog tachometer, temperature gauge and fuel gauge, a large-screen dot matrix digital panel, and upper and lower indicators, the IntelliPanel™ keeps you informed on the tractor's status including maintenance at a single glance.

- A. TACHOMETER
- B. INDICATOR LIGHTS
- C. TEMPERATURE GAUGE
- D. FUEL GAUGE



Standard Indicators



The IntelliPanel's standard indicators display the hour meter, trip meter, fuel consumption, PTO revolutions, HST information, particulate matter accumulation, and maintenance information on the large and easy-to-read screen. The information can be switched easily with button operation. Furthermore, warning indicators, scheduled service alerts and DPF regeneration are also indicated on the panel to keep you informed at all times.



HST model only

E. DISPLAY MODE

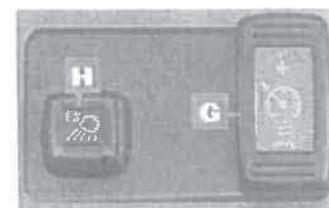
A simple touch of the menu's down button lets you make changes to the Standard indicator's digital information screen.



F. AUTO THROTTLE ADVANCE (only with HST models)

G. CRUISE CONTROL

To keep your working speed constant, simply adjust the cruise control seesaw switch to your desired speed—and go.



H. UPPER FRONT SIDE LIGHTS SWITCH

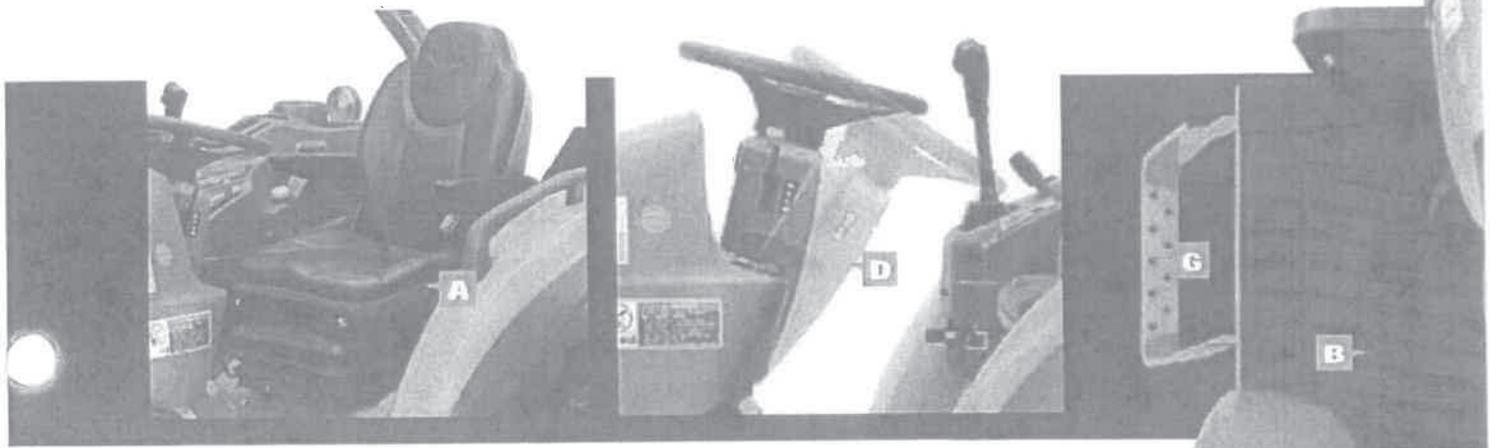
The upper front side lights switch is close at hand when you need extra visibility to the sides.

I. COLUMN-TYPE COMBINATION LEVER

This new combination switch allows you to operate the headlights and indicators with car-like ease.

COMFORT & ERGONOMIC

The Grand L60 boasts a wide range of deluxe features and functions to reduce fatigue and maintain productivity. With reduced noise and vibration levels, an improved deluxe seat, power steering and a cup holder, you can rest assured that your comfort comes first—so much so that you might forget you're working.



A. DELUXE SUSPENSION SEAT

The new suspension seat is specially designed to absorb shock to provide a comfortable ride even in harsh working conditions, and includes a handy swivel function. The optional Air-Ride seat adjusts its cushion to match your physique to provide optimal comfort even when negotiating rough terrain. It even includes a location for manual storage.

B. MORE LEGROOM

The operator's seat has been positioned more to the rear for extra legroom. This not only enhances riding comfort, but makes getting in and out of the cab easier as well.

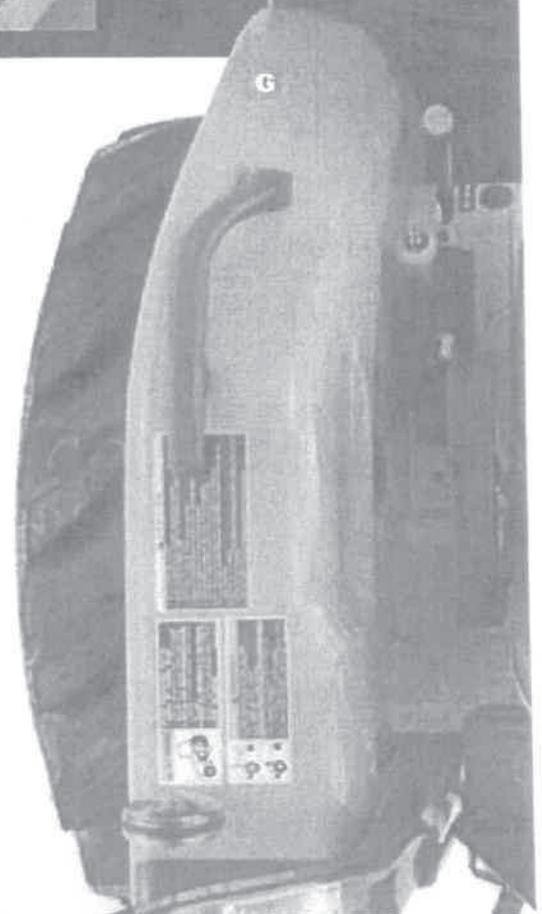
C. NEW LEVER LAYOUT

For easier access and smoother operation, the loader, hitch and remote levers are grouped on the right-side console.

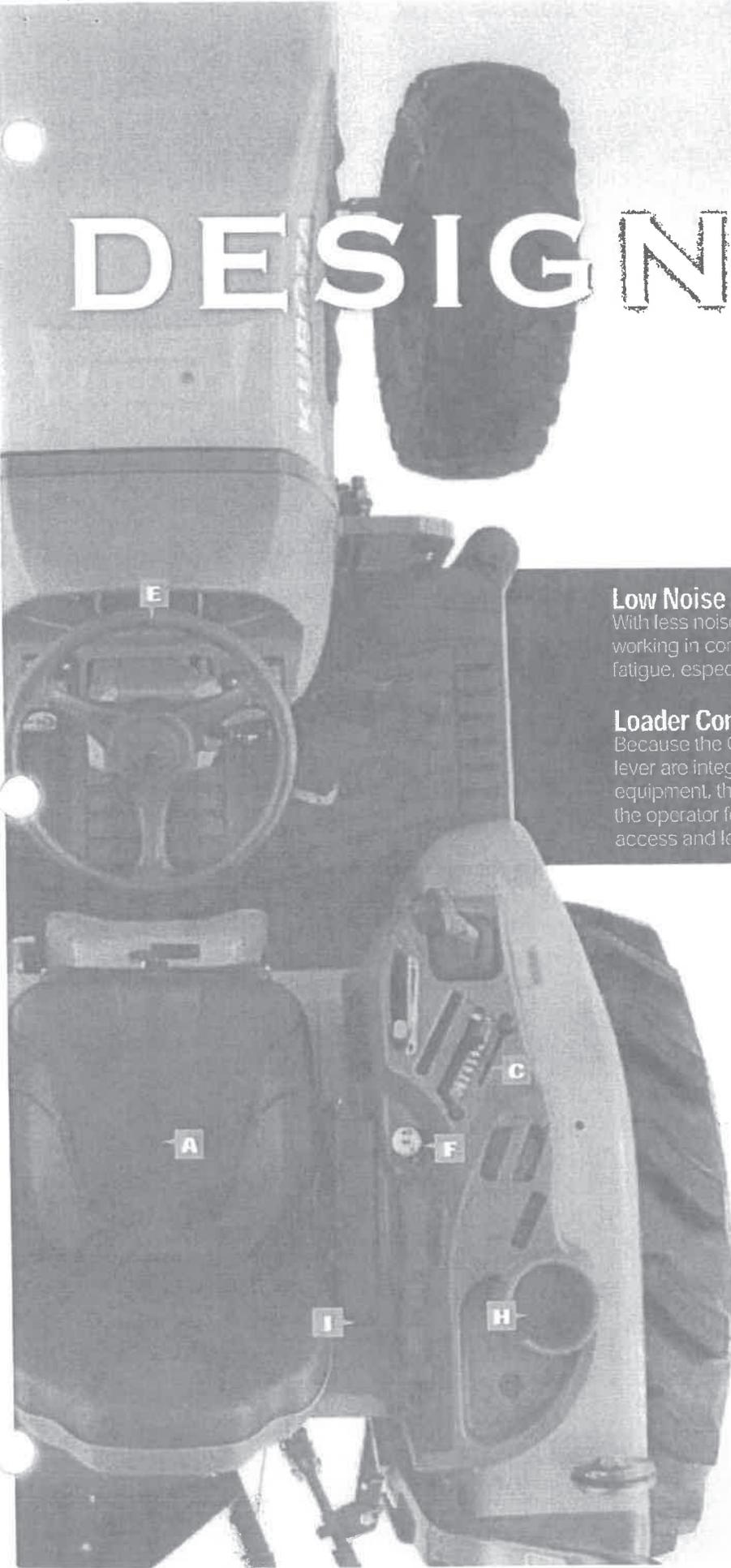


D. TILT STEERING WHEEL

The steering wheel delivers an extra-wide tilt angle for maximum comfort. Just step on the adjustment pedal, tilt the steering wheel and lock for the most comfortable operating position. Step on the pedal again to unlock the wheel for easy tractor mounting and dismounting.



DESIGN



Low Noise and Low Vibration

With less noise and vibration levels, you can keep working in comfort. This helps to eliminate operator fatigue, especially after long hours on the job.

Loader Control Lever Location

Because the Grand L60's loader valve and control lever are integrated into the tractor as standard equipment, the control lever is positioned close to the operator for improved operability, easier access and less fatigue.

E. POWER STEERING

Responsive hydrostatic power steering makes every job easier. Straight-a-ways and tight turns alike are taken smoothly, while steering remains easy and worry-free when a heavy load is applied or the front loader is used.

F. ELECTRIC PTO SWITCH

Our PTO switch makes PTO operation easier than ever. Conveniently located on the side console, one push and turn starts and stops the PTO.

G. ROUNDED FENDER/WIDE STEP

The Grand L60's fender and wide step deck feature provide a larger, more comfortable step-through area.

H. CUP HOLDER

The cup holder is within easy reach whenever you need to quench your thirst.

I. EASY POWER SUPPLY ACCESS

The power supply is located behind the seat for easier access.

CLEAN ENGINE TRANSMISSION

Get all the power you demand while wasting less with Kubota's line of clean-emission Common Rail direct injection engines for the Grand L60 Series. And choose from three state-of-the-art transmissions according to your needs: HST (Hydrostatic Transmission) Plus, GST (Glide Shift Transmission) or FST (Fully Synchronized Main and Shuttle Transmission).

The CRS electronically controls the timing and amount of injected fuel providing high-pressure injections in stages, rather than all at once for an optimal combustion rate that results in greater efficiency, better fuel economy and less engine noise. Its combination with the Diesel Particulate Filter (DPF) Muffler and Exhaust Gas Recirculation system (EGR) reduces emissions to meet the latest emission regulations.



NEW KUBOTA ENGINES

The Grand L60's engine lineup has been redesigned for cleaner emissions and outstanding fuel economy. Common Rail direct injection is employed to deliver greater fuel savings and lower emissions while maintaining a high level of power and torque.

Its combination with the Diesel Particulate Filter (DPF) Muffler and Exhaust Gas Recirculation system (EGR) reduces emissions to make the engines compliant with the Tier IV emission regulation.

Model Chart

	L3560	L4060	L4760	L5060	L5460	L6060
Engine Gross Power* HP	37.0	42.0	49.0	52.0	52.0	62.0
Engine Net Power** HP	35.0	40.0	47.0	50.0	50.0	60.0
PTO Power FST/GST HP	29.5	34.0	41.0	44.0	---	---
PTO Power HST HP	28.0	32.5	39.5	44.0	46.5	53.0
No. of Cylinder	3	4	4	4	4	4
Aspiration	Natural w/ EGR	Natural w/ EGR	Natural w/ EGR	Turbo w/ EGR	Turbo w/ EGR	Turbo w/ EGR
Total Displacement cu.in. (cc)	111.4 (1826)	148.5 (2434)	148.5 (2434)	148.5 (2434)	148.5 (2434)	148.5 (2434)

* SAE J1995 ** SAE J1349

	L3560	L4060	L4760	L5060	L5460	L6060
HST (4WD)	●	●	●		●	●
GST (4WD)	●	●	●	●		
FST (4WD)	●	●				

ZONE &

A. FULL OPEN HOOD
B. FUEL TANK



Grand L40 HST Plus photo shown.

HST PLUS (Hydrostatic Transmission)

Tackle any task with ease and efficiency. With extraordinary precision, HST Plus's automated control of both the HST pump and drive motor gives you optimal performance, regardless of the task, working conditions, or operator expertise.



Grand L40 GST photo shown.

GST (Glide Shift Transmission)

Kubota's exclusive GST features 12 speeds and clutchless operation for maximum operator ease. And, thanks to its electronically controlled hydraulic shifting system, the Grand L60's GST allows you to shift on the go with exceptional response.



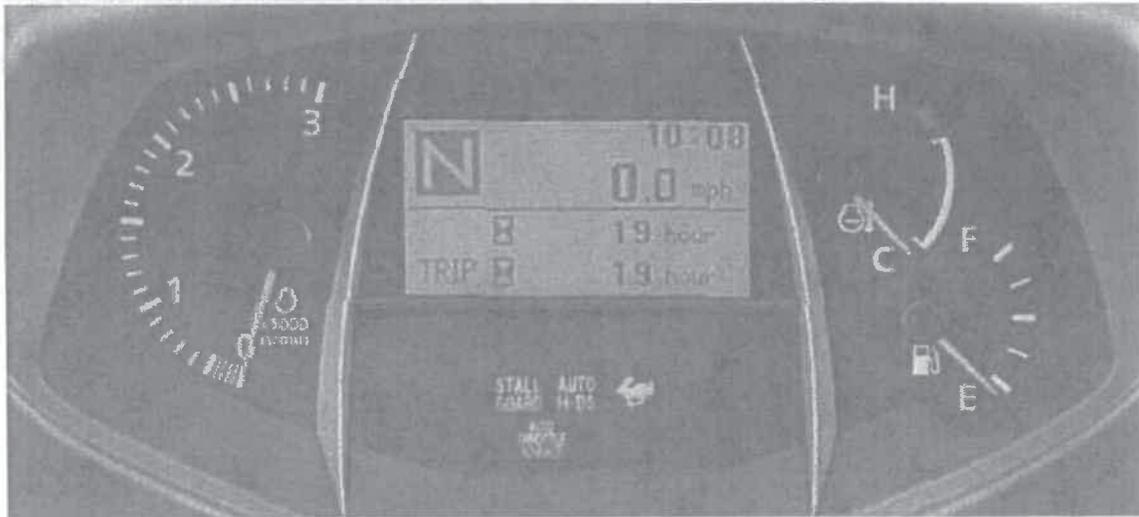
Grand L40 FST photo shown.

FST (Fully Synchronized and Shuttle Transmission)

Kubota's economical FST delivers the smooth and efficient shifting of eight forward and eight reverse gears while on the move.

HST PLUS

Kubota's HST Plus offers professional control with easy operation.



Throttle-Up Switch

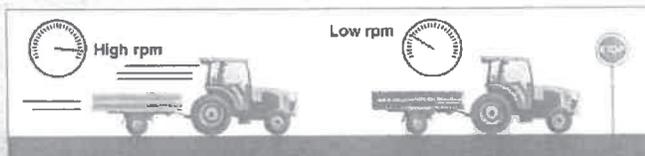
Kubota's new Throttle-Up Switch located on the loader lever gives you power need with just one push to get jobs done quicker and easier. Speed adjustments can be made according to your preference from the IntelliPanel. It allows you to easily set the engine speed needed for loader work without having to use a hand throttle even while operating the lever. As engine speeds can be raised only when required, the Throttle-Up Switch enhances fuel efficiency, and keeps the engine noise down when not in use.

KUBOTA ORIGINAL!



Auto Throttle Advance

Thanks to the Auto Throttle Advance feature, driving the Grand L60 is simple and easy. This function links the HST pedal and the engine throttle, synchronizing tractor speed and engine revolution. This greatly simplifies tractor operation and helps reduce fuel consumption. All you need to do is turn the Auto Throttle Advance on and off with a push of a button and depress the HST pedal to control tractor speed and engine revolutions. This feature is especially handy when moving between locations or when towing a trailer.



AUTO THROTTLE ADVANCE

Hydro Dual Speed (H-DS) HST Hi-Lo Function

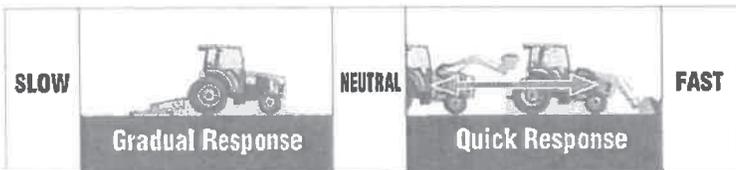
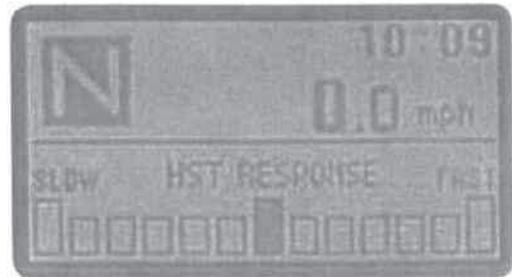
6 SPEED

Kubota's HST Plus gives you more control. Featuring three speed ranges, it includes a steering column lever to shift between high and low speeds for each range, expanding your options to six total speeds. Once your preferred range is set, you can easily shift the H-DS between the high and low speeds while moving. And with a simple touch of the Mode Selection button, you can activate the Auto H-DS for automatic Hi/Lo shifting. Whether you're doing loader work or driving up a slope, you'll appreciate this versatility and efficiency.



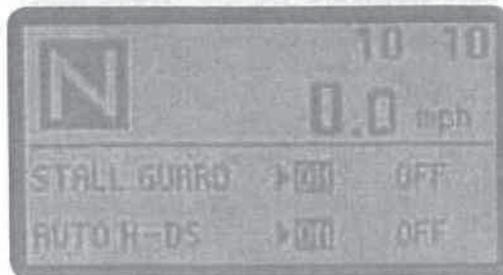
HST Response Control

Kubota knows that different situations require different start or stop responses. The HST response speed can be adjusted with easy push button operation. If your task requires a quick response, you can push the button to the FAST setting. This setting is ideal for use during loader-related chores. If the job at hand needs a more gradual response, as used for turf work, push the button to SLOW. When your preferred response speed has been selected, you won't need to make any more adjustments with the foot pedal. It's that easy.



HST Mode Selection Stall Guard Plus Auto H-DS

Choose from three HST mode settings with a simple push of a button from the IntelliPanel to help you get your work done easier. Manual mode puts you in complete control of the tractor. Kubota's Stall Guard PLUS protects the engine and PTO from stalling in heavy-duty applications. Finally, AUTO H-DS (Auto Hydro Dual Speed) enables automatic Hi/Lo shifting, and in conjunction with Stall Guard PLUS, keeps your tractor running optimally at all times.



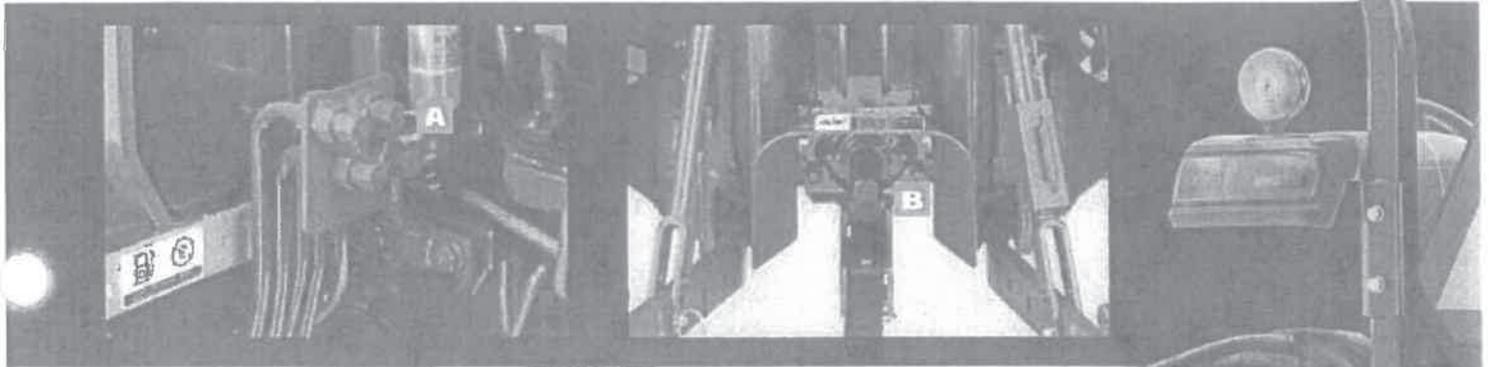
Mode	Stall Guard Plus	Auto H-DS
Mode 1	Off	Off
Mode 2	On	Off
Mode 3	On	On



Note: Mode 2 is the default setting.

HYDRAULIC & PTO

The Grand L60's state-of-the-art PTO and hydraulic systems are engineered to deliver power and reliable performance. Meticulously designed to give you the utmost control and maximum versatility, the Grand L60 ensures smooth and effective operation.



A. FRONT LOADER HYDRAULIC VALVE

Kubota has designed an integral Front Loader Valve as part of the tractor. With this valve, you can quickly and easily attach the front loader and other front-mounted implements. The valve promotes efficient, clutter-free operation and matches the sleek styling of the tractor. If you don't require a front loader or other front-mounted implements, an optional Diverter Kit is available to allow the loader valves to function as rear remotes.

3-POINT HYDRAULIC CYLINDERS

The Grand L60's 2-tandem large hydraulic cylinder delivers an impressive 3-Point Hitch lift capacity. The system is externally mounted for easy maintenance.

REMOTE HYDRAULIC CONTROL VALVES (Optional)

The Grand L60 can include three Remote Hydraulic Control Valves for a greater selection of hydraulically powered implements. For operators, this versatile system translates into a convenient and cost-efficient alternative.



B. LIVE-INDEPENDENT PTO

The hydraulically activated Live-independent PTO clutch allows both the rear- and mid-PTOs to be independently engaged/disengaged while the tractor is still in motion. And because the lever's located in a convenient position, activating the independent PTO is easy. In addition, a Neutral/Auto Shut-off system and protective flip-up shields are included for total PTO safety and productivity.

C. TELESCOPIC LOWER LINK ENDS

A wide range of implements can be used with the 3-Point Hitch. Quick and simple hook-ups can be achieved via the standard-equipped telescopic lower link ends.

MID-PTO (Optional)

Kubota offers a semi-independent Mid-PTO for all Grand L60s that can be used with a variety of performance-matched front-mounted snow blowers or sweeper brooms.

4-WHEEL DRIVE

The 4-wheel drive of the Grand L60 provides superior pulling power and traction in almost any working condition. The front-wheel-drive bevel gear delivers a smooth and full-power transfer. Combined with its 55° steering angle and compact differential, the Grand L60's 4-wheel drive gives you the maneuverability and exceptional clearance you need for a wide range of applications.

FRONT LOADER

With their impressive lifting power, easy-access control lever operation, ultra-fast dump circuits, and simple connectivity, the Grand L60's performance-matched LA555, LA805 and LA1055 front loaders carry their own weight and more.

LA555/LA805/LA1055 FRONT LOADERS

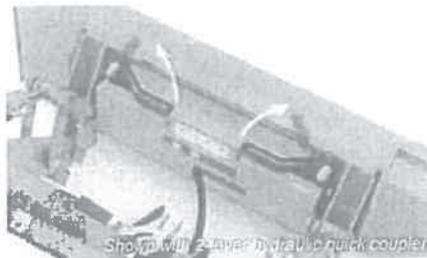
Designed to match the performance of the Grand L60 Series, our front loaders ensure precise operation and improved productivity. With the standard-equipped front loader valve and lever, the front loaders feature outstanding lift capacity and lift height for an impressive performance with each load. Plus, loader lift and bucket dump cycle speeds are amazingly fast. Optional on the LA805 and LA1055, the quick coupler allows up to 8 hoses to be attached and removed simultaneously*. The curved boom design matches the hood, and with the hydraulic tubes enclosed, the Grand L60 has a sleek look.

**Not available on LA555*

A. MECHANICAL 2-LEVER QUICK COUPLER (Standard) HYDRAULIC 2-LEVER QUICK COUPLER* (Optional)

The front loader can also be used with the standard mechanical or optional hydraulic quick coupler attachments, such as buckets, pallet forks and bale spears. Simple to attach and detach, these handy functions don't require the use of tools, saving time and effort.

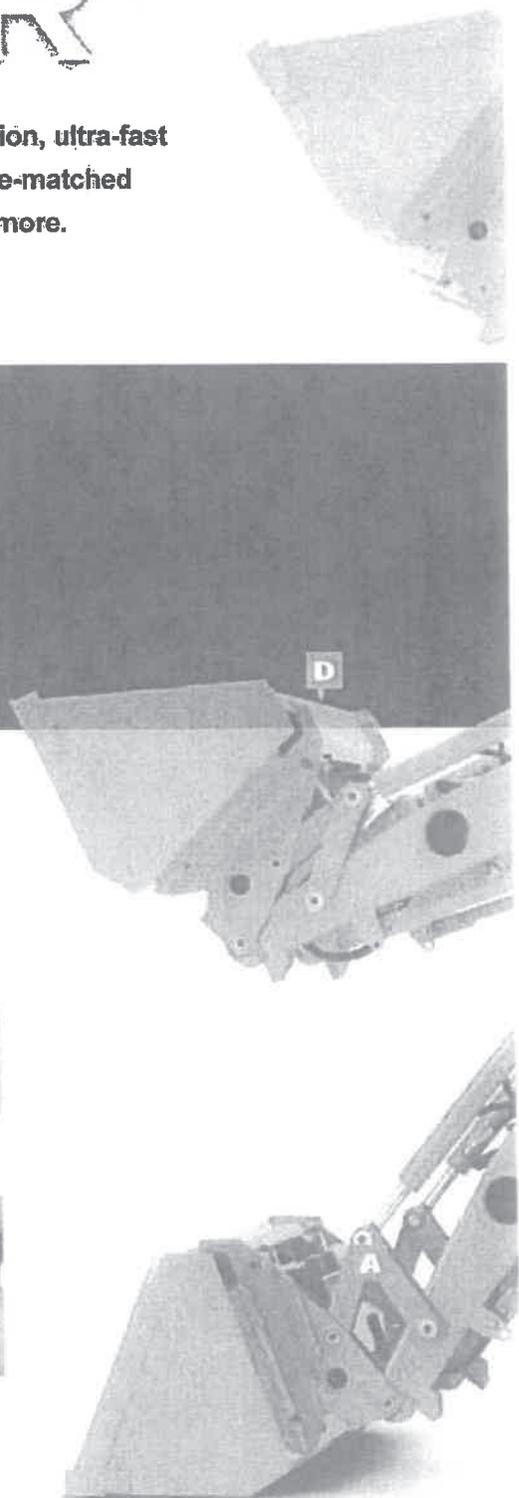
**Not available on LA555*



B. THIRD-FUNCTION HOSE QUICK COUPLER* (Optional)

To broaden the scope and capabilities of your front loader applications, the Grand L60 is available with a third function hose quick coupler to operate attachments such as a 4 in 1 bucket. Attaching and detaching is possible with just a single touch.

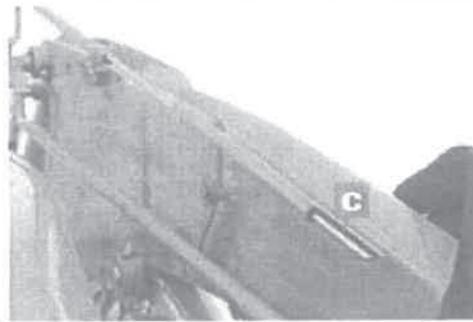
**Not available on LA555*



C. NEW ROD INDICATOR

This handy function helps you keep the bucket in a level position at all times, by allowing you to even check the normally hard-to-see raised bucket position.

**LA555 equipped only with Grand L40 type rod indicator*



D. SPILL GUARD* (OPTIONAL)

The hydraulically controlled spill guard tilts the bucket forward as the loader is raised, thus reducing the spillage of the bucket's contents. This makes filling and dumping easier and increases efficiency.

**Not available on LA555*

E. QUICK ATTACH/DETACH LOADER

This convenient system saves valuable time by letting you attach and detach the loader from the tractor. The mounting pins and hose couplers can be removed from the operator's seat, without tools.

F. SINGLE-LEVER JOYSTICK



BACKHOE

BH77 Backhoe

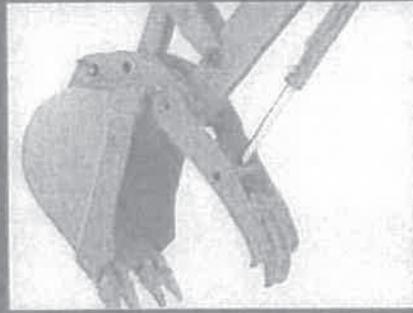
Our BH77 backhoe is a great solution when you're working in small or restrictive areas. It offers easy attachment and detachment and can dig to depths of 7.6 feet. The BH77 is compatible with the Grand L ROPS models*.

**L3560 ROPS models only.*

BH92 Backhoe*

Our new performance-matched BH92 backhoe boasts a new curved boom, designed for digging deeper. This versatile backhoe features a standard thumb bracket for adding an optional hydraulic or mechanical thumb. The BH92 is compatible with the Grand L ROPS and Cab models.

**The L3560 model must be equipped with LA805 loader to install BH92 backhoe. (Cannot be installed with LA555 loader.)*



Note: Shown with optional hydraulic thumb.

- A. Ample Digging Force
- B. Protected Hoses
- C. Curved Boom
- D. Cast Steel
- E. Optional Hydraulic Thumb
- F. Optional Quick Coupler

WIDE LEGROOM

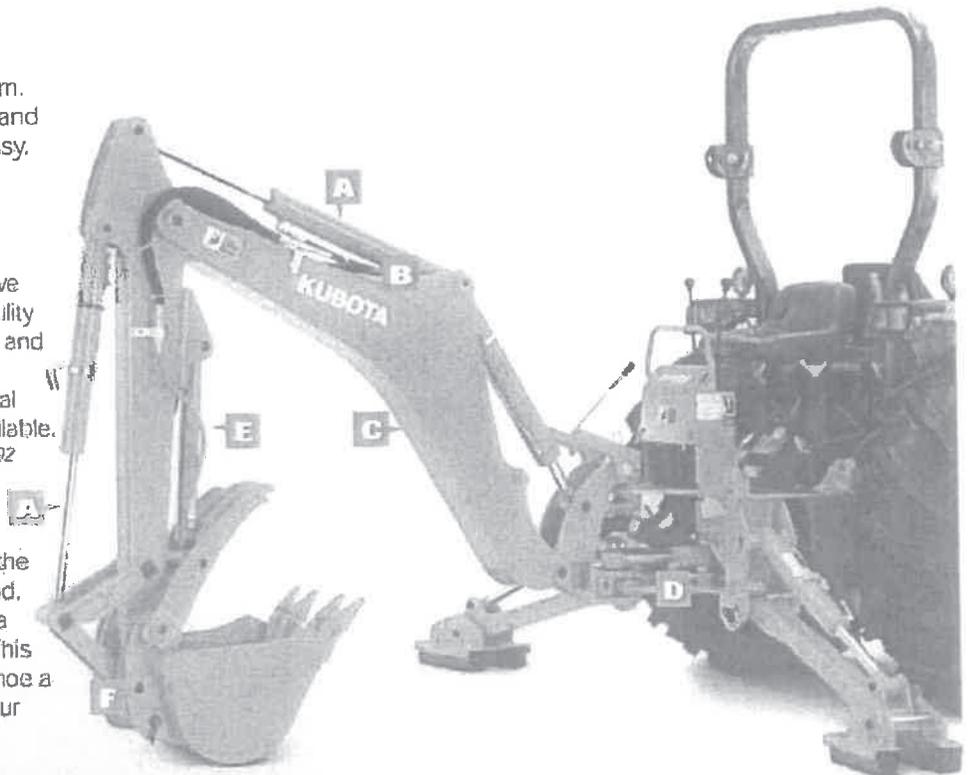
Our full-flat deck gives you ample legroom. This makes operation more comfortable and mounting and dismounting the tractor easy.

HYDRAULIC AND MECHANICAL THUMBS*

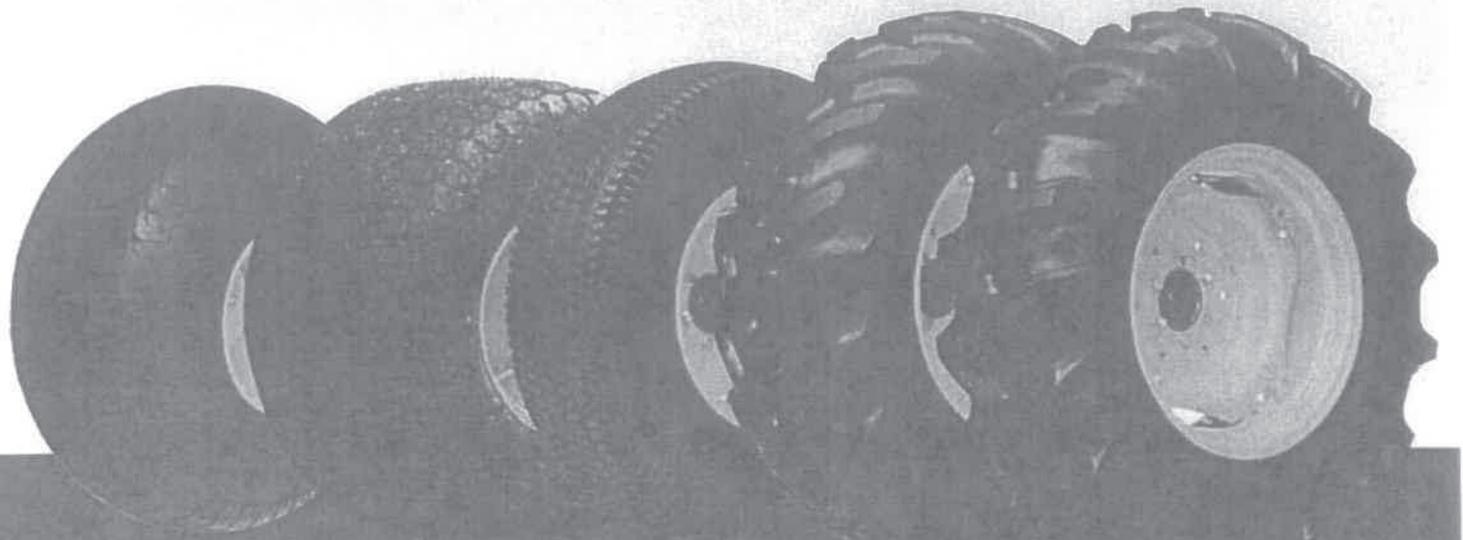
Our optional auxiliary hydraulic control valve and hydraulic thumb give you greater versatility when working with the backhoe. The BH77 and BH92 are equipped with a built-in thumb bracket as standard equipment. An optional six-position mechanical thumb is also available. **Optional hydraulic thumb is only available on BH92*

QUICK ATTACH/DETACH

The less time you spend between jobs, the more productive you become. To this end, the BH77 and BH92 are equipped with a quick attach/detach mounting system. This makes attaching or detaching the backhoe a snap. So you can quickly move on to your next job.



TIRE OPTIONS



Galaxy tire

LSW turf tire

Turf tire

Industrial tire

Agricultural tire

IMPLEMENT CHART

MODEL	L3560		L4060	L4760	L5060	L5460	L6060
FRONT LOADER	LA555	LA805	LA805	LA1055	LA1055	LA1055	LA1055
MECHANICAL 2-LEVER QUICK COUPLER	STD.	STD.	STD.	STD.	STD.	STD.	STD.
SQUARE BACK BUCKET	L2286 (65")	L2285A (72")	L2285A (72")	L2236A (72")	L2235A (72")	L2235A (72")	L2235A (72")
HEAVY DUTY ROUND BACK BUCKET	L2286 (72")	L2286 (72")	L2286 (72")	L2286 (72")	L2286 (72")	L2286 (72")	L2286 (72")
LIGHT-MATERIAL BUCKET	L2286 (72")	L2286 (72")	L2286 (72")	L2286 (72")	L2286 (72")	L2286 (72")	L2286 (72")
PALLET FORK FRAME / PALLET FORK	L2288/ K9048 (38")	L2288/ K9048 (36")	L2288/ K9048 (36")	L2288/ K9048 (36") K9058 (42")	L2288/ K9048 (36") K9058 (42")	L2288/ K9048 (36") K9058 (42")	L2288/ K9048 (36") K9058 (42")
BALE SPEAR	L2237	L2237	L2237	L2237	L2237	L2237	L2237
HYDRAULIC SPILL GUARD	N/A	L2261	L2261	L2271	L2271	L2271	L2271
3rd FUNCTION VALVE	L2247	L2265	L2265	L2265	L2265	L2265	L2265
HYDRAULIC 2-LEVER QUICK COUPLER	N/A	L2270	L2270	L2270	L2270	L2270	L2270
3rd FUNCTION VALVE & HYDRAULIC 2-LEVER QUICK COUPLER	N/A	L2272	L2272	L2272	L2272	L2272	L2272
SINGLE LEVER VALVE HOSE QUICK COUPLER (4 HOSES)	N/A	L2252	L2252	L2252	L2252	L2252	L2252
SINGLE LEVER VALVE HOSE QUICK COUPLER (8 HOSES)	N/A	L2262	L2262	L2262	L2262	L2262	L2262
THIRD FUNCTION HOSE QUICK COUPLER	N/A	L2260	L2260	L2260	L2260	L2260	L2260
FRONT GRILL GUARD* (FOR NON-LOADER USER)	L2257	L2257	L2257	L2257	L2257	L2257	L2257
BACKHOE	BH77*	BH92	BH92	BH92	BH92	BH92	BH92
ROTARY TILLER	FC1521C BK60C	FC1521C BK60C	FC1521C BK60C	FC1521C BK60C	FC1521C BK60C	FC1521C BK60C	FC1521C BK60C
BOX SCRAPER	L7565A (65")	L7576A (72")	L7576A (72")	L7576A (72")	L7576A (72")	L7576A (72")	L7576A (72")
SNOW BLOWER (FRONT)	L2194A (62")	L2194A (62")	L2194A (62")	L2194A (62")	L2194A (62")	L2194A (62")	L2194A (62")
SNOW BLOWER (REAR)	BL2664 (64")	BL2674 (74")	BL2674 (74")	BL2674 (74")	BL2674 (74")	BL2674 (74")	BL2674 (74")
FRONT BLADE	L2172A (72")	L2172A (72")	L2172A (72")	L2172A (72")	L2172A (72")	L2172A (72")	L2172A (72")
FRONT ROTARY SWEEPER	L2184 (84")	L2184 (84")	L2184 (84")	L2184 (84")	L2184 (84")	L2184 (84")	L2184 (84")
	L2162 (60")	L2164 (72")	L2164 (72")	L2164 (72")	L2164 (72")	L2164 (72")	L2164 (72")

Note:
QUICK ATTACH TYPE
*L3560 ROPS models only

SPECIFICATIONS

Model	L3560				L40	
	DT (4WD)	GST (4WD)	HST (4WD)	HSTC (4WD, CAB)	DT (4WD)	GST (4WD)
Engine	E-TVCS, indirect injection, vertical, liquid-cooled 4-cycle diesel					
Type	E-TVCS, indirect injection, vert					
Engine gross power*	57.0 (27.6)				42.0	
Engine net power**	35.0 (26.1)				40.0	
PTO power	28.5 (22.0)		28.0 (20.9)		34.0 (25.4)	
No. of cylinders / Aspiration	3 / Natural with EGR				4 / Natural	
Bore & stroke	3.4 • 4.0 (87 • 102.4)				3.4 • 4.0	
Total displacement	171.4 (1828)				145.5	
Rated speed	2700				2700	
Battery	12V, RC: 133 min, CCA 592A				12V, RC: 133	
Alternator	12V, 40A		12V, 60A		12V, 40A	
Fuel tank capacity	11.2 (51)				11.2	
PTO						
Rear PTO	1 speed: 540 rpm				1 speed:	
Type	Independent		Independent		Independent	
Mid PTO	Option				Opt	
Revolution	1 speed: 2000 rpm				1 speed:	
Hydraulic						
Lift control type, Position	Standard				Star	
Draft	Option				Opt	
Implement pump	8.3 (31.5)		8.1 (30.4)		9.8 (37.0)	
Power steering pump	4.9 (18.6)		4.7 (17.9)		4.9 (18.6)	
Total hydraulic flow	13.2 (50.1)		12.8 (48.3)		14.7 (55.6)	
3-point hitch	Category 1				Cat 1	
Lift capacity at 24 in. behind lift point	2650 (1200)				2760	
Traveling System	FST 8F / 8R		GST 12F/8R		HST Plus (3 Ranges)	
Transmission	FST 8F/8R		GST 12F/8R		HST Plus (3 Ranges)	
Steering	Hydrostatic power steering				Hydrostatic pc	
Brake	Wet disc type				Wet d	
Clutch	Dry type single stage				Dry type si	
Standard tire size*	Front		7.2-15		8.3	
	Rear		12.4-24		14.9	
Travel speeds						
No. of speeds (at rated engine speed)	GST ²		HST Plus		GST ²	
	12 Forward / 8 Reverse		12 Forward / 8 Reverse		12 Forward / 8 Reverse	
	Forward Reverse		Forward Reverse		Forward Reverse	
First	1.0 (1.7)		1.0 (1.6)		1.0 (1.6)	
Second	1.5 (2.4)		1.4 (2.3)		1.4 (2.2)	
Third	2.0 (3.2)		2.3 (3.7)		1.9 (3.0)	
Fourth	2.4 (3.8)		3.4 (5.4)		11.2 (18.1)	
Fifth	2.9 (4.7)		4.9 (7.8)		11.7 (18.6)	
Sixth	3.5 (5.7)		6.8 (11.0)		12.2 (18.7)	
Seventh	4.2 (6.6)		11.1 (17.9)		12.7 (19.2)	
Eighth	5.1 (8.2)		16.5 (25.5)		13.2 (19.7)	
Dimensions						
Overall length (w/o 3P)	115.0 (2920)				121.5	
Overall width (min. tread)	59.5 (1520)				66.5	
Overall height (w/Foldable ROPS)	97.2 (2470)		99.6 (2500)		97.6 (2480)	
Wheelbase	71.1 (1805)				74.6	
Min. ground clearance	13.5 (342)				14.2	
Tread	Front		45.5 (1155)		45.5	
	Rear		47.2 (1200)		50.6	
			54.2 (1380)		56.5	
			54.5 (1385)		56.5	
			58.3 (1480)		60.2	
Min. turning radius (w/brake, 4WD disengaged)	8.9 (2.7)				8.9	
Weight (with ROPS)	3351 (1520)		3395 (1540)		3428 (1555)	

* SAE J1995

** SAE J1349

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purposes only. Please contact your local Kubota dealer for warranty information. For your safety, KUBOTA strongly recommends the use of a Rollover Protective Structure (ROPS) and seat belt in almost all applications. Not for sale in Nebraska.

* Kubota offers several tire options.

** Speeds 3, 5, 7 and 9 of the GST are not included in the FST's 8 forward speeds.

FRONT LOADER SPECIFICATIONS

Model		LA555	LA805	LA1055
Maximum Lift Height (Pivot pin)	in. (mm)	92.9 (2369)	105.9 (2698)	112.7 (2862)
Clearance with Attachment Dump	in. (mm)	72.4 (1856)	80.4 (2042)	87.4 (2219)
Reach @ Maximum Height	in. (mm)	29.4 (721)	29.7 (691)	26.5 (673)
Maximum Dump Angle	deg.	40	42	46
Reach with Attachment on Ground	in. (mm)	65.3 (1659)	72.3 (1836)	77.6 (1976)
Maximum Rollback Angle	deg.	33	41	42
Digging Depth (When Bucket is level)	in. (mm)	8.4 (213)	4.7 (120)	6.9 (174)
Overall Height in Carry Position	in. (mm)	49.3 (1251)	54.8 (1398)	67.2 (1714)
Square Bucket Width / Struck Capacity	in. (mm) / cu. ft.	66 (1676) / 6.1 (0.23)	72 (1820) / 10.9 (0.31)	72 (1820) / 10.9 (0.31)
Lift Capacity (Pivot pin)	lbs. (kg)	1190 (540)	1720 (780)	2361 (1071)
Lift Capacity (500mm forward)	lbs. (kg)	899 (408)	1292 (586)	1784 (808)
Breakout Force (500mm forward)	lbs. (N)	1665 (8897)	2554 (11882)	3171 (14107)
Raising Time to Full Height without Load	sec.	2.7	3.2	4.1
Lowering Time without Load (powerdown)	sec.	2.2	2.0	3.0
Attachment Rollback Time	sec.	1.6	1.9	2.6
Attachment Dumping Time	sec.	1.3	1.3	2.6
Rated Flow	l/min (GPM)	31.5 (8.3)	37.9 (9.8)	37.9 (9.8)
Relief Valve PSI	psi (kg/cm ²)	2580 (193)	2690 (185)	2680 (185)
Specs taken from		L3550	L4060	L6060

BACKHOE SPECIFICATIONS

Model		BH77	BH82
Digging Depth	in. (mm)	91.0 (2311)	109.8 (2798)
Swing Arc	deg.	180	180
Loading Height	in. (mm)	64.4 (1636)	64.3 (2141)
Reach from Centerline of Swing Pivot	in. (mm)	129.5 (3288)	150.4 (3819)
Reach from Centerline of Rear Axle	in. (mm)	169.6 (4279)	192.3 (4898)
Transport Height	in. (mm)	89.4 (2242)	100.1 (2542)
Bucket Rotation	deg.	162	180
Transport Overhang	in. (mm)	43.9 (1114)	54.0 (1371)
Undercut from Centerline	in. (mm)	25.8 (656)	20.1 (511)
Hydraulic Stabilizer Spread, Down	in. (mm)	67.6 (1717)	92.0 (2336)
Hydraulic Stabilizer Spread, Up	in. (mm)	51.8 (1316)	69.2 (1758)
Digging Force Using Bucket Cylinder	lbs. (kg)	3889 (1814)	4548 (2063)
Digging Force Using Dipperstick Cylinder	lbs. (kg)	2097 (951)	2698 (1224)
Bucket Sizes		10", 12", 18", 24"	12", 16", 24", 30", 36"
Specs Taken from		L3550	L6060

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Kubota

KUBOTA TRACTOR CORPORATION

Kubota Tractor Corporation, 3401 Del Amo Boulevard, Torrance CA 90503
 Western Division: 1175 S. Guild Ave., Lodi, CA 95240 Tel (209) 334-9910
 Central Division: 14855 FAA Boulevard, Fort Worth, TX 76155 Tel (817) 571-0900
 Northern Division: 6300 at One Kubota Way, Groveport, OH 43125 Tel (614) 835-1100
 Southeast Division: 1025 Northbrook Parkway, Suwanee, GA 30024 Tel (770) 995-8855

Visit our web site at: www.kubota.com



Town of Braintree
Department of Public Works: Grounds & Cemetery
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference GC3

1. Department: DPW
 2. Sub-Department: Grounds & Cemetery
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Asst. Recreation & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: Toro mower
 8. Number of Units Requested: 2
 9. Number of Similar Items in Inventory: 2
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year:
 Average days per week:
 Estimated life in years:

10-15

12. Purchase Price	Per Unit	Total
Cost:	\$115,000	\$230,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$115,000	\$230,000

13. Replaced Equipment
 Item: 2011 Toro mower
 Make: Toro
 Age: 11

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A

16. Comments:

17. Submitted by: Chris Griffin
 Asst. Recreation & Community Events Coordinator

18. Priority: 1



115 Franklin St. Ext.
 Derry, NH 03038
 Phone: (603) 404-2286
 Fax: (603) 216-1278
 www.mte.us.com

QUOTE - DO NOT PAY

Quote: 03-42614
 Date: 6/17/2020

PO:
 CustId: BRAINTREE PARKS

Valid through: 3/31/2021

Cust Email: nchin@braintreema.gov
 Phone: (781) 794-8910
 Salesperson: lbunn
 User: lbunn

Bill To:

Town of Braintree - Parks 089210
 Nelson Chin
 Facilities & Equipment
 83 Quincy Ave
 Braintree, MA 02184

Ship To:

Town of Braintree -Parks
 Georgia Pratt
 Facilities & Equipment Maint
 245 Union Street
 Braintree, MA 02184 US
 (781) 794-8955 x0000

PRICE REFLECTS DISCOUNT FROM MASSACHUSETTS STATE BID CONTRACT FAC88

Contact: C. Griffin at 781-794-8910 or cgriffin@braintreema.gov

Univest Municipal Lease Program: 250.00 documentation fee. Dollar buy out (\$1.00) at end of lease and customer owns the equipment. First payment in advance. Rates subject to change.

Amount Leased: 102,675.54

36 Months: Monthly payment: 3,130.58
 48 Months: Monthly payment: 2,422.12
 60 Months: Monthly payment: 1,999.09
 72 Months: Monthly payment: 1,740.35

2 Years Annual Payment: 53,049.88
 3 Years Annual Payment: 36,532.47
 4 Years Annual Payment: 28,292.25

Item	Type	Description	Qty	Tax	Price	Discount	Net Price
JMC.462411G01	PA	WG - HR800 with factory instal	1.0000		\$137,416.00	\$31,605.68	\$105,810.32
		Discount applied: 23.00%					
JMC.LMAC590	PA	WG - HR Cab Road Light Kit for	1.0000		\$1,162.00	\$174.30	\$987.70
		Discount applied: 15.00%					
Total:							\$106,798.02

Totals					Sub Total:		\$106,798.02
					Total Tax:		\$0.00
					Invoice Total:		\$106,798.02

Signature: _____

THIS QUOTE VALID FOR 30 DAYS. PLEASE SIGN AND RETURN TO EXECUTE THIS CONTRACT. PAYMENT MUST BE MADE AT OR PRIOR TO DELIVERY. FAX: 585-334-6332 OR EMAIL: BHOLMAN@MTE.US.COM. THIS DOCUMENT CONSTITUTES A LEGAL BINDING AGREEMENT.

Town of Braintree
Department of Public Works: Grounds & Cemetery
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference GC4

1. Department: DPW
 2. Sub-Department: Grounds & Cemetery
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Asst. Recreation & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: John Deere 410 Backhoe
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 1
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year:
 Average days per week:
 Estimated life in years:

10-15

12. Purchase Price	Per Unit	Total
Cost:	\$220,000	\$220,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$220,000	\$220,000

13. Replaced Equipment
 Item: John Deere 410 Backhoe
 Make: John Deere
 Age: 17

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A
 16. Comments:

17. Submitted by: Chris Griffin
 Asst. Recreation & Community Events Coordinator
 18. Priority: 1

Town of Braintree
Department of Public Works: Grounds & Cemetery
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference GC5

1. Department: DPW
 2. Sub-Department: Grounds & Cemetery
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Asst. Recreation & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: Ford F350XL
 8. Number of Units Requested: 2
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year:
 Average days per week:
 Estimated life in years:

15

12. Purchase Price	Per Unit	Total
Cost:	\$67,000	\$134,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$67,000	\$134,000

13. Replaced Equipment
 Item: 2002 dump truck
 Make:
 Age: 20

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A
 16. Comments:

17. Submitted by: Chris Griffin
 Asst. Recreation & Community Events Coordinator
 18. Priority: 1

Town of Braintree
Department of Public Works: Grounds & Cemetery
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference GC6

1. Department: DPW
 2. Sub-Department: Grounds & Cemetery
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Asst. Recreation & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: Scag windstorm blower
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item

Days per year:
 Average days per week:
 Estimated life in years:

10-15

12. Purchase Price

Cost:
 Plus Installation or other costs:
 Less Trade-in/other discounts:
 Net Purchase:

	Per Unit	Total
Cost:	\$13,000	\$13,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$13,000	\$13,000

13. Replaced Equipment

Item:
 Make:
 Age:

PTO Blower
 37

14. Recommended disposal of Replaced Item(s):

- Sale
- Possible use by other departments
- Other (Trade-in)

15. Available Aid or Grants (specify):

N/A

16. Comments:

17. Submitted by:

Chris Griffin
 Asst. Recreation & Community Events Coordinator

18. Priority:

1

Town of Braintree
Department of Public Works: Grounds & Cemetery
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference GC7

1. Department: DPW
 2. Sub-Department: Grounds & Cemetery
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Asst. Recreation & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: 80" AERA-vator with seed box
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year:
 Average days per week:
 Estimated life in years:

10-15

12. Purchase Price	Per Unit	Total
Cost:	\$15,000	\$15,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$15,000	\$15,000

13. Replaced Equipment
 Item:
 Make:
 Age:

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A
 16. Comments:

17. Submitted by: Chris Griffin
 Asst. Recreation & Community Events Coordinator
 18. Priority: 1



turf products

QUOTE

157 Moody Road • PO Box 1200 • Enfield, CT 06082
Main Office: (800) 245-4355 • FAX: (860) 763-5550

Prepared For: **Scott Leines**
BRAINTREE PARKS DEPARTMENT
245 UNION STREET; BRAINTREE,
Massachusetts 2184 United States

Ship To: **Braintree Parks 9.30.19**
Quote Number: **Q29231**
Quoted Date: **09/30/2019**
Prepared By: **Nathaniel Binns**
nbinns@turfproductscorp.com
339-235-5189

Qty	Model #	Description	Award	Extended	
1	31699	Groundsmaster 5910 (T4)	\$109,813.38	\$109,813.38	G10
1	30706	North American Road Light Kit			
1	132-1391	Atomic Blade Service Pack (11 Blades)			
1	09716	ProCore 1298	\$32,745.82	\$32,745.82	G4
2	120-1046	Guard-Turf, 4 Tine, Long			
4	120-1045	Guard-Turf, 4 Tine, Short			
6	09796	4 Tine 3/4 Inch Head Set			
48	104-9876	Heavy Duty Side Eject 5/8 (5.75 Inch X .700 Inch)			
1	44552	Pro Force Debris Blower	\$7,512.11	\$7,512.11	G7
1	44954	MH-400 Wireless	\$24,160.57	\$24,160.57	G13
1	L01_Allied	450 Lely Thatcher 15 ft.	\$7,100.52	\$7,100.52	G9
1	L01_Allied	80" Aeravator w/seed box	\$14,463.37	\$14,463.37	G5
1	L01_Allied	L1250 Lely spreader with remote control feeding	\$5,896.56	\$5,896.56	G8

MA State Contract FAC88

Prices are good through 10/31/19, Toro increase 11/1/19

Toro Total:	\$174,231.88
Non - Toro Total:	\$27,460.45
Set Up:	\$0.00
Freight:	\$0.00
Trade Ins:	(\$0.00)
State Sales Tax:	\$0.00
Total Price:	\$201,692.33

ALL PRICING IS VALID FOR 30 DAYS

G5

ABOUT THE AERA-vator®



Keeping your turf healthy throughout the seasons doesn't have to be a 24/7 process.

With the Universal design, our innovative equipment addresses issues you face everyday in growing and maintaining professional-level turf for your golf course, sports field, commercial landscapes and all other turf needs.

Premier aeration and seeding equipment

creates a healthy rooting system for natural turf. The innovative Aera-vator provides better air and water infiltration to give roots the ability to grow stronger and deeper into the soil. Add the optional seed box to convert your Aera-vator to the Seede-vator for the best of both



Versatile, Cost-Effective

The Aera-vator is the versatile, cost-effective aeration equipment you can rely on to deliver beautiful and vibrant turf all year round.



Specifications

*Combine weights together when configuring for the total weight.

AERA-vator Shaft	Multi-Time Shaft	Slicer Shaft	Coring Shaft	Spiker Shaft	Power Seeder Shaft
<p>AERA-vator Shaft</p> <p>WEIGHTS: 10400 / 10400 / 10400 PROXIMATE WEIGHTS: 47 / 50 / 50 lbs. WORKING WIDTH: 14 ft. 10 in. / 14 ft. 10 in. DRIVE SHAFT: 10000 RPM (10000 RPM) CYCLES/HOUR: 10000 RPM CYCLES/ACRE: 10000 RPM CAPACITY: 10000 RPM DRIVE SHAFT: 10000 RPM CYCLES/HOUR: 10000 RPM CYCLES/ACRE: 10000 RPM CAPACITY: 10000 RPM</p>	<p>Multi-Time Shaft</p> <p>WEIGHTS: 10400 / 10400 / 10400 PROXIMATE WEIGHTS: 47 / 50 / 50 lbs. WORKING WIDTH: 14 ft. 10 in. / 14 ft. 10 in. DRIVE SHAFT: 10000 RPM (10000 RPM) CYCLES/HOUR: 10000 RPM CYCLES/ACRE: 10000 RPM CAPACITY: 10000 RPM DRIVE SHAFT: 10000 RPM CYCLES/HOUR: 10000 RPM CYCLES/ACRE: 10000 RPM CAPACITY: 10000 RPM</p>	<p>Slicer Shaft</p> <p>WEIGHTS: 10400 / 10400 / 10400 PROXIMATE WEIGHTS: 47 / 50 / 50 lbs. WORKING WIDTH: 14 ft. 10 in. / 14 ft. 10 in. DRIVE SHAFT: 10000 RPM (10000 RPM) CYCLES/HOUR: 10000 RPM CYCLES/ACRE: 10000 RPM CAPACITY: 10000 RPM DRIVE SHAFT: 10000 RPM CYCLES/HOUR: 10000 RPM CYCLES/ACRE: 10000 RPM CAPACITY: 10000 RPM</p>	<p>Coring Shaft</p> <p>WEIGHTS: 10400 / 10400 / 10400 PROXIMATE WEIGHTS: 47 / 50 / 50 lbs. WORKING WIDTH: 14 ft. 10 in. / 14 ft. 10 in. DRIVE SHAFT: 10000 RPM (10000 RPM) CYCLES/HOUR: 10000 RPM CYCLES/ACRE: 10000 RPM CAPACITY: 10000 RPM DRIVE SHAFT: 10000 RPM CYCLES/HOUR: 10000 RPM CYCLES/ACRE: 10000 RPM CAPACITY: 10000 RPM</p>	<p>Spiker Shaft</p> <p>WEIGHTS: 10400 / 10400 / 10400 PROXIMATE WEIGHTS: 47 / 50 / 50 lbs. WORKING WIDTH: 14 ft. 10 in. / 14 ft. 10 in. DRIVE SHAFT: 10000 RPM (10000 RPM) CYCLES/HOUR: 10000 RPM CYCLES/ACRE: 10000 RPM CAPACITY: 10000 RPM DRIVE SHAFT: 10000 RPM CYCLES/HOUR: 10000 RPM CYCLES/ACRE: 10000 RPM CAPACITY: 10000 RPM</p>	<p>Power Seeder Shaft</p> <p>WEIGHTS: 10400 / 10400 / 10400 PROXIMATE WEIGHTS: 47 / 50 / 50 lbs. WORKING WIDTH: 14 ft. 10 in. / 14 ft. 10 in. DRIVE SHAFT: 10000 RPM (10000 RPM) CYCLES/HOUR: 10000 RPM CYCLES/ACRE: 10000 RPM CAPACITY: 10000 RPM DRIVE SHAFT: 10000 RPM CYCLES/HOUR: 10000 RPM CYCLES/ACRE: 10000 RPM CAPACITY: 10000 RPM</p>

164 Oakridge Church Road | Tifton, GA 31794
 1-229-382-4768 (tn) 1-800-363-8780
 www.1stproducts.com



AERA-vator®

One Tool. Multiple Uses. Better Turf.

www.1stproducts.com

AERA-VATOR SHAFT | MULTI-TIME SHAFT | SLICER SHAFT
 SPIKER SHAFT | CORING SHAFT | POWER SEEDER SHAFT

Universal AERA-Vator Shaft Options

Power Seeder SHAFT

This shaft was designed to be able to overseed into low-mow height of cut, such as golf course fairways and tees.



1stproducts.com/power-seeder-shaft/



Faster Turnaround

Designed for fine turf seeding on fairways, tees and all manicured areas with no disruption to surface playing area. With the seed box attachment, seeding is fast and efficient.



Minimal Disruption

The vibration allows for seeding in shallow rooted turf creating no cleanup and does not disrupt play.



One-pass Seeding

This shaft utilizes patented vibration technology to penetrate the hardest ground and provide 100% compaction relief with no cores to cleanup. By aeration, the vibrating action allows better water infiltration, and oxygen and gas exchange. With the optional seed box attachment, you can prepare the ground for seed and accurately meter a wide variety of cool and warm season grass seed.



Water and Oxygen Exchange

This shaft is ideal for sports fields, landscapers, golf course roughs, cart paths and much more.

the original AERA-vator[®] SHAFT

AERA-vating has become a popular turf practice over the last decade and can only be done with the AERA-vator shaft. This prepares a soft, fractured seed bed for optimum seed germination.



1stproducts.com/aeravator-shaft/

Slicer Shaft SHAFT

Slicing is a non-disruptive practice a turf manager performs in peak growing season when temperatures are at their highest.



1stproducts.com/slicer-shaft/



Vibrating Action

Patented vibrating action that forces the slicer blades into compacted turf, achieving the max depth.



Minimal Disruption

Slicing still provides enough aeration to open the ground to allow water and oxygen exchange.

Coring SHAFT

This shaft uses a hollow tine to penetrate the soil. Core aeration helps reduce thatch and improves drainage.



1stproducts.com/coring-shaft/



Core Aeration

The coring shaft is non PTO powered and fits into all 1st products UA models.

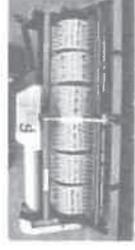
5

High Efficiency

puts five holes per square foot, allowing for efficient aeration of the turf.

Multi-Tine SHAFT

This shaft utilizes vibration to relieve compaction on an artificial playing surface up to 25% prior the first pass. Prolongs the life expectancy well beyond the warranty.



1stproducts.com/multi-spike-shaft/



Conical Shape

The conical shape tines are cast into a ring, providing close to 60 holes per square ft.



Effective Speed

This is a great shaft to use with less disruption and if speed is a factor.



Artificial Turf

The Multi-tine shaft's technology is gentle to the fibers.



Natural Turf

This is also an ideal shaft for fall and spring overseeding when turf is well rooted and the strongest.

Town of Braintree
Department of Public Works: Grounds & Cemetery
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference GC8

1. Department: DPW
 2. Sub-Department: Grounds & Cemetery
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Asst. Recreation & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: Pro Core aerator 1298 Toro
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year:
 Average days per week:
 Estimated life in years:

10-15

12. Purchase Price	Per Unit	Total
Cost:	\$34,000	\$34,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$34,000	\$34,000

13. Replaced Equipment
 Item:
 Make:
 Age:

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A
 16. Comments:

17. Submitted by: Chris Griffin
 Asst. Recreation & Community Events Coordinator
 18. Priority: 1



turf products

QUOTE

157 Moody Road • PO Box 1200 • Enfield, CT 06082
Main Office: (800) 245-4355 • FAX: (860) 763-5550

Prepared For: Scott Leines
BRAINTREE PARKS DEPARTMENT
245 UNION STREET; BRAINTREE,
Massachusetts 2184 United States

Ship To: Braintree Parks 9.30.19
Quote Number: Q29231
Quoted Date: **09/30/2019**
Prepared By: Nathaniel Binns
nbinns@turfproductscorp.com
339-235-5189

Qty	Model #	Description	Award	Extended	
1	31699	Groundsmaster 5910 (T4)	\$109,813.38	\$109,813.38	G10
1	30706	North American Road Light Kit			
1	132-1391	Atomic Blade Service Pack (11 Blades)			
1	09716	ProCore 1298	\$32,745.82	\$32,745.82	G4
2	120-1046	Guard-Turf, 4 Tine, Long			
4	120-1045	Guard-Turf, 4 Tine, Short			
6	09796	4 Tine 3/4 Inch Head Set			
48	104-9876	Heavy Duty Side Eject 5/8 (5.75 Inch X .700 Inch)			
1	44552	Pro Force Debris Blower	\$7,512.11	\$7,512.11	G7
1	44954	MH-400 Wireless	\$24,160.57	\$24,160.57	G13
1	L01_Allied	450 Lely Thatcher 15 ft.	\$7,100.52	\$7,100.52	G9
1	L01_Allied	80" Aeravator w/seed box	\$14,463.37	\$14,463.37	G5
1	L01_Allied	L1250 Lely spreader with remote control feeding	\$5,896.56	\$5,896.56	G8

MA State Contract FAC88

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Non - Toro Total:	\$27,460.45
Set Up:	\$0.00
Freight:	\$0.00
Trade Ins:	(\$0.00)
State Sales Tax:	\$0.00
Total Price:	\$201,692.33

ALL PRICING IS VALID FOR 30 DAYS

G4



ProCore® 864/1298

LARGE AREA AERATORS

FEATURES

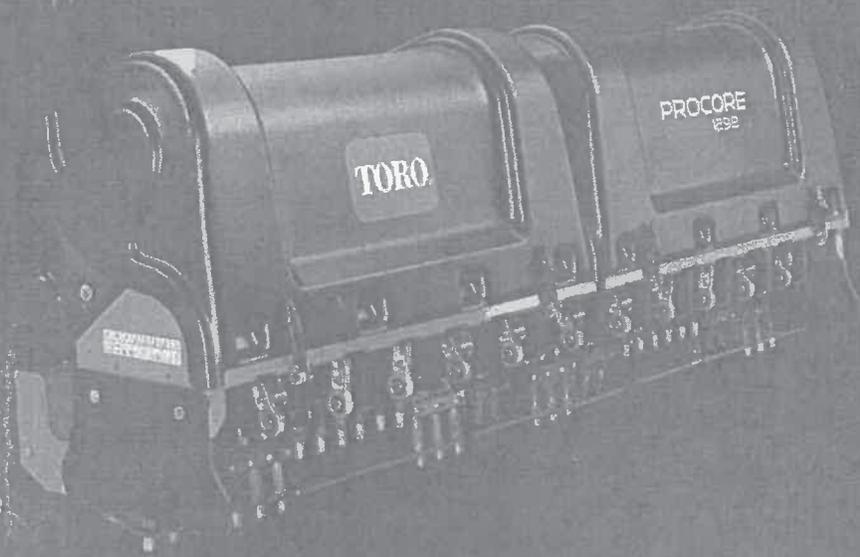
- Precision-balanced coring heads deliver remarkably smooth operation
- Impact resistant system withstands the most rugged conditions
- RotaLink™ delivers superior hole quality
- Oversized gear box for robust operation

Smooth operator.

The same ground-breaking technology that allowed the ProCore 648 to revolutionize greens aeration is available for large-area applications. The precision-balanced coring heads run smoothly, even in the raised position with the PTO engaged. This will save you valuable time in turn arounds and avoiding ground obstacles. The ProCore 864 and 1298 deliver exceptional aeration and productivity in an easy to use, robust design.



ProCore® 864



ProCore® 1298

Call your Toro distributor at 800-803-8676



ProCore® 864 & 1298 Specifications

	PROCORE 864, MODEL 09715	PROCORE 1298, MODEL 09716
AERATION WIDTH	64 inches / 163 cm	98 inches / 249 cm
AERATION DEPTH	5 inches / 12.7 cm maximum**	5 inches / 12.7 cm maximum**
TRACTOR SIZE	30 HP @ PTO minimum 35 HP @ PTO recommended	40 HP @ PTO minimum 50 HP @ PTO recommended
TRACTOR CONNECTION	3-point Category 1 or 2	3-point Category 2
TRACTOR PTO	540 RPM	540 RPM
FORWARD HOLE SPACING (TRACTOR DEPENDENT)	Variable up to 4.5 inches / 11.4 cm	Variable up to 4.5 inches / 11.4 cm
LATERAL HOLE SPACING (TINE HEAD DEPENDENT)	1.3 - 2.6 inches / 3.3 - 6.6 cm	1.3 - 2.6 inches / 3.3 - 6.6 cm
NUMBER OF TINE HEADS	8	12
OVERALL WIDTH	67 inches / 170 cm	101 inches / 256.5 cm
HEIGHT	38.5 inches / 98 cm	38.5 inches / 98 cm
LENGTH	35 inches / 89 cm	35 inches / 89 cm
WEIGHT	1575 lbs / 714 kg	2300 lbs / 1043 kg
CERTIFICATION	ANSI B71.4-2017, CE and EU machinery directives	
WARRANTY	Two-year or 500-hour limited warranty. Refer to Operator's Manual for further details	

TINE HEADS

Model	Tine Heads:	Lateral Spacing	Mount Diameter
09737	Mini Tine Head (1 row of 6)	1.3"	3/8" (9.5 mm)
09736	Mini Tine Head (2 rows of 5)	1.6"	3/8" (9.5 mm)
09739	Needle Tine Head	1.6"	5 mm or 8 mm
09794	3 Tine Head	2.6"	3/4" (19 mm)
09796	4 Tine Head	2.0"	3/4" (19 mm)
09797	3 Tine Head HD	2.6"	7/8" (22 mm)
09719	QuickChange® 4-Tine	2.0" (5.1 cm)	3/4" (19 mm) or 7/8" (22 mm)

PRODUCTIVITY RATES

Tractor Speed mph (km/hr)	Spacing Forward Hole Spacing	ProCore 864		ProCore 1298	
		sq. ft. / hr.	(sq. m / hr.)	sq. ft. / hr.	(sq. m / hr.)
0.5 (0.8)	1.0" (25 mm)	14,400	(1,338)	22,050	(2,049)
0.8 (1.2)	1.5" (38 mm)	21,600	(2,007)	33,075	(3,073)
1.0 (1.6)	2.0" (51 mm)	28,800	(2,676)	44,100	(4,097)
1.3 (2.1)	2.5" (64 mm)	36,000	(3,345)	55,125	(5,121)
1.5 (2.5)	3.0" (76 mm)	43,200	(4,013)	66,150	(6,146)
1.8 (2.9)	3.5" (89 mm)	50,400	(4,682)	77,175	(7,170)
2.0 (3.3)	4.0" (102 mm)	57,600	(5,351)	88,200	(8,194)
2.3 (3.7)	4.5" (114 mm)	64,800	(6,020)	99,225	(9,218)

*Specifications and design subject to change without notice. Products depicted in this literature are for demonstration purposes only. Actual products offered for sale may vary in use, design, required attachments and safety features. See distributor for details on all warranties.

**Hole depths greater than 4 inches can only be achieved with 6.5 inch length tines and with turf tilters retracted. Some degradation in hole quality may be observed in this configuration.



Town of Braintree
Department of Public Works: Grounds & Cemetery
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference GC9

1. Department: DPW
 2. Sub-Department: Grounds & Cemetery
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Asst. Recreation & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: Landscape trailers
 8. Number of Units Requested: 2
 9. Number of Similar Items in Inventory:
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year:
 Average days per week:
 Estimated life in years:

10-15

12. Purchase Price	Per Unit	Total
Cost:	\$24,000	\$48,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$24,000	\$48,000

13. Replaced Equipment

Item: Trailers
 Make:
 Age: 33

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A

16. Comments:

17. Submitted by: Chris Griffin
 Asst. Recreation & Community Events Coordinator

18. Priority: 1

DRINKWATER TRAILER SALES, INC.

Phone: (781) 826-3148

780 WASHINGTON STREET
PEMBROKE, MA 02359Email: Sales@drinkwaterts.com

2021 Look Trailers 8.5'X16' Enclosed Cargo Trailer W/ RAMP - WHITE

Stock #: LSAAB8.5X16TE3FF#022377	Year: 2021	Manufacturer: Look Trailers
Width: 102" or 8' 6"	Length: 192" or 16'	Height: 84" or 7'
Weight: 2660	GVWR: 9990	Payload: 7330
Color: WHITE	# Axles: 2	Axle Capacity: 3500
URL: https://www.drinkwaterts.com/all-inventory?stock=LSAAB8.5X16TE3FF#022377		

Price \$ 7,472.00

Description

Sloped V-Nose

Beaver Tail

Ramp w/ Flap

4 D-Rings

84" Interior Height

Tube Main Frame Construction
24" O.C. Frame TE2
24" O.C. Sidewalls
16" O.C. Roof Bows
Spring Axles
EZ-Lube Hubs
4-Wheel Electric Brakes
15" Tires
2-5/16" Coupler
Safety Chains
2000# Tongue Jack
Sand Pad
3/4" Floor
Interior Wall Liner
Aluminum Exterior
Painted Exterior Screws - White
30" V-Front Slope Nose (Flat
Top)
Radius Front (Round Top)
TPO Cap (Round Top)
.030 Top Wrap (Round Top)
1 Piece Aluminum Roof
ATP Fender Flares
24" Stoneguard
36" Entry Door w/Flush Lock
and Recessed Step
Double Rear Aluminum Framed
Door
(2) Sidewall Vents
7-Way Plug
LED Tail Lights & Clearance
Lights
(2) LED Dome Lights & Switch
Moisture Barrier (IN, PA & UT)
Automotive Undercoating
Limited 3 Year Warranty

Town of Braintree
Department of Public Works: Grounds & Cemetery
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference GC10

1. Department: DPW
 2. Sub-Department: Grounds & Cemetery
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Asst. Recreation & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: Lely Thatcher, model 450-15
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year:
 Average days per week:
 Estimated life in years:

10-15

12. Purchase Price	Per Unit	Total
Cost:	\$7,500	\$7,500
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$7,500	\$7,500

13. Replaced Equipment
 Item:
 Make:
 Age:

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A
 16. Comments:

17. Submitted by: Chris Griffin
 Asst. Recreation & Community Events Coordinator
 18. Priority: 1



turf products

QUOTE

157 Moody Road • PO Box 1200 • Enfield, CT 06082
Main Office: (800) 245-4355 • FAX: (860) 763-5550

Prepared For: **Scott Leines**
BRAINTREE PARKS DEPARTMENT
245 UNION STREET; BRAINTREE,
Massachusetts 2184 United States

Ship To: **Braintree Parks 9.30.19**
Quote Number: **Q29231**
Quoted Date: **09/30/2019**
Prepared By: **Nathaniel Binns**
nbinns@turfproductscorp.com
339-235-5189

Qty	Model #	Description	Award	Extended	
1	31699	Groundsmaster 5910 (T4)	\$109,813.38	\$109,813.38	G10
1	30706	North American Road Light Kit			
1	132-1391	Atomic Blade Service Pack (11 Blades)			
1	09716	ProCore 1298	\$32,745.82	\$32,745.82	G4
2	120-1046	Guard-Turf, 4 Tine, Long			
4	120-1045	Guard-Turf, 4 Tine, Short			
6	09796	4 Tine 3/4 Inch Head Set			
48	104-9876	Heavy Duty Side Eject 5/8 (5.75 Inch X .700 Inch)			
1	44552	Pro Force Debris Blower	\$7,512.11	\$7,512.11	G7
1	44954	MH-400 Wireless	\$24,160.57	\$24,160.57	G13
1	L01_Allied	450 Lely Thatcher 15 ft.	\$7,100.52	\$7,100.52	G9
1	L01_Allied	80" Aeravator w/seed box	\$14,463.37	\$14,463.37	G5
1	L01_Allied	L1250 Lely spreader with remote control feeding	\$5,896.56	\$5,896.56	G8

MA State Contract FAC88

Prices are good through 10/31/19, Toro increase 11/1/19

Toro Total:	\$174,231.88
Non - Toro Total:	\$27,460.45
Set Up:	\$0.00
Freight:	\$0.00
Trade Ins:	(\$0.00)
State Sales Tax:	\$0.00
Total Price:	\$201,692.33

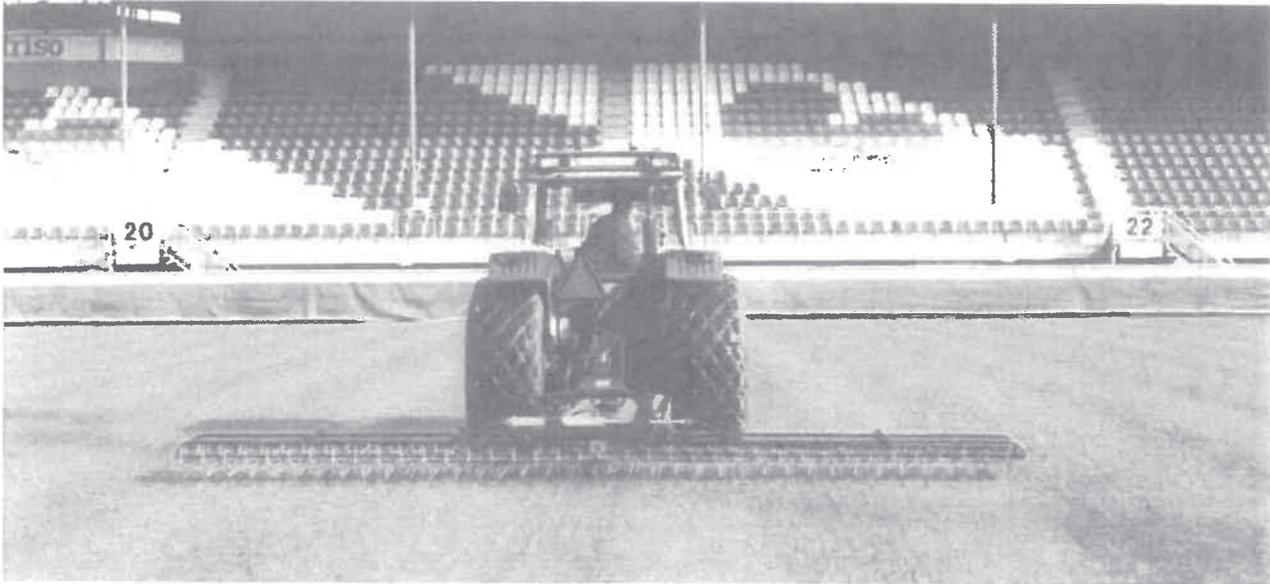
ALL PRICING IS VALID FOR 30 DAYS

G9



partners in turfcare

THATCHER



The LELY Thatcher is ideal for turf maintenance and golf courses in particular.

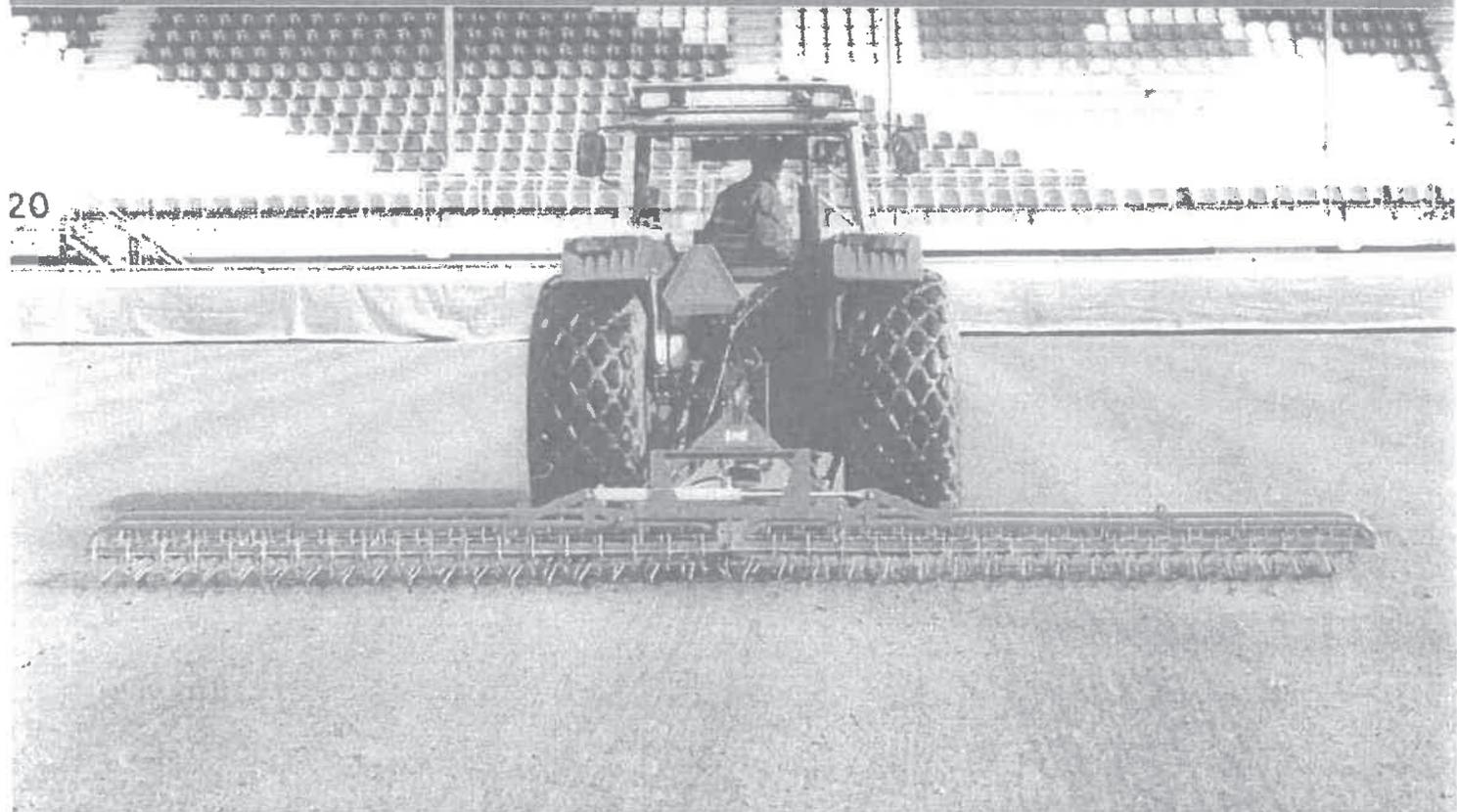
PRODUCT DESCRIPTION

Spring tines vibrate their way through the grass removing moss and dead material, thereby allowing air, nutrients and water through to the roots. This process also assists with drainage issues.

The Thatcher consists of a lightweight frame with four rows of staggered tines, allowing trash through, while providing a close working space of an inch and a half. The 7mm tines are shot peened for long life and work effectively up to 7 mph.

LELY THATCHER

20



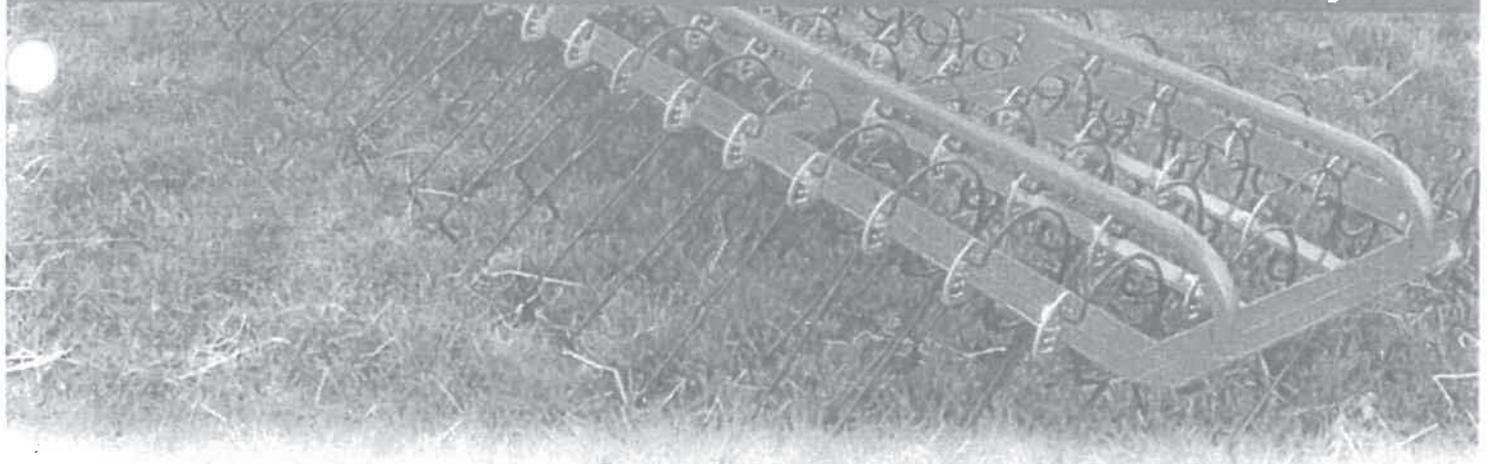
- High work outputs
- Simple to set and operate
- Low H.P. tractor requirements
- No expensive mechanical wearing parts
- Inexpensive to purchase and very cost effective to operate



www.lelyusa.com

partners in turfcare

LELY THATCHERS— Turf maintenance made easy!

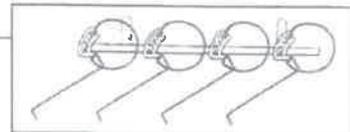


The LELY Thatcher is ideal for turf maintenance and golf courses in particular. Spring tines vibrate their way through the grass removing moss and dead material thereby allowing air, nutrients and water through to the roots. This process also greatly assists with drainage issues.

The Thatcher consists of a lightweight frame with four rows of tines staggered to allow trash through but provide a close working space of 1.5". The 7mm tines are shot peened for long life and work effectively up to 7 mph.

Unique Tine Structure

With the 7mm tine, the Lely thatchers provide outstanding performance. The spring tines are rugged for long life and work effectively at speeds up to 7mph. All tines can be adjusted without the use of tools to nine different positions, providing the tips of the tines with the correct spring pressure to achieve the desired amount of trash or weed removal. The tines are designed to be very flexible with the forward movement causing the tines to vibrate at high speeds over the ground.



Four Models Available

Four sizes of Lely thatchers are available 225, 300, 450, and 600 models (7.5', 10', 15', 20') The 450 and 600 models (15' and 20') consist of two frames which carry the tines and fold up vertically to a narrow transport width of 7.5'. Manual folding is standard on the 450 model (15') while hydraulic fold is standard on the 600 model (20') The 225 and 300 models (7.5' and 10') consist of a single rigid frame.



Optional Accessories

Options available for the thatchers include hydraulic fold assist (450 model) as well as guide wheels providing additional support for increased control of material removal.



www.lelyusa.com

Lely, USA Inc.
P.O. Box 437
Pella, Iowa 50219
1-888-245-4684 (U.S.A. only)
Fax: 1-800-752-8249



DEALER NETWORK

Lely USA, Inc. has a dealer network to serve you. To find the dealer nearest you, please go to our website: www.lelyusa.com Click the LOCATOR tab.

Technical Specifications				
	225	300	450	600
Working Width	7.5'	10'	15'	20'
Transport Width app.	7.5'	10'	7'	7'
Transport Position	Rigid	Rigid	Man.	Hyd.
No. of Tines	57	77	114	154
Tine Adjustment	9	9	9	9
Linkage	Cat. II	Cat. II	Cat. II	Cat. II
Min. Power Required	20HP	20HP	25HP	25HP
Shipping Weight/lbs.	235	350	410	680

Equipment shown is for illustrative purpose only and may display optional accessories or components. Lely USA, Inc. reserves the right to make changes in engineering, design, and specifications; add improvements; or discontinue manufacturing at any time without notice or obligation. Copyright © 2007 Lely USA, Inc. All Rights Reserved.

Town of Braintree
Department of Public Works: Grounds & Cemetery
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference GC11

1. Department: DPW
 2. Sub-Department: Grounds & Cemetery
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Asst. Recreation & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: Landpride AFM4216 All flex mower deck
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year:
 Average days per week:
 Estimated life in years:

10-15

12. Purchase Price	Per Unit	Total
Cost:	\$19,000	\$19,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$19,000	\$19,000

13. Replaced Equipment
 Item:
 Make:
 Age:

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A
 16. Comments:

17. Submitted by: Chris Griffin
 Asst. Recreation & Community Events Coordinator
 18. Priority: 1



www.norfolkpower.com
info@norfolkpower.com

Ship To: SAME AS BELOW

Invoice To: BRAINTREE PARK DEPT.
OFF UNION STREET
BRAINTREE MA 02184

5 Cushing Drive
Wrentham, MA 02093
Tel: (508) 384-0011
Fax: (508) 384-8667

846 Bronco Highway
Burrillville, RI 02830
Tel: (401) 710-9911
Fax: (401) 710-9466

45 North Main Street
Carver, MA 02330
Tel: (774) 213-9190
Fax: (508) 465-0931

Please remit payment to Wrentham address

Branch 03 - CARVER		
Date 08/07/2019	Time 16:09:21 (O)	Page 1
Account No BRAIN008	Phone No	Est No 01 Q00914
Ship Via	Purchase Order	
Tax ID No		
JASON DONOVAN	Salesperson JWD / JWD	

EQUIPMENT ESTIMATE - NOT AN INVOICE

Description ** Q U O T E ** EXPIRY DATE: 11/05/2019 Amount

STATE CONTRACT FAC88 PRICING

landpride afm 4216 all-flex mower 18650.00
16'8" cutting width
15" deck tires
pull type clevis hitch
1 set aux valve required

Sale # 01 Subtotal: 18650.00
TOTAL: 18650.00

landpride fdr 2584 84" grooming mower 4073.00
3pt hitch type cat1
4 semi-solid tires
front roller

Sale # 02 Subtotal: 4073.00
TOTAL: 4073.00

Subtotal: 22723.00
Quote Total: 22723.00

Authorization: _____

G18+19

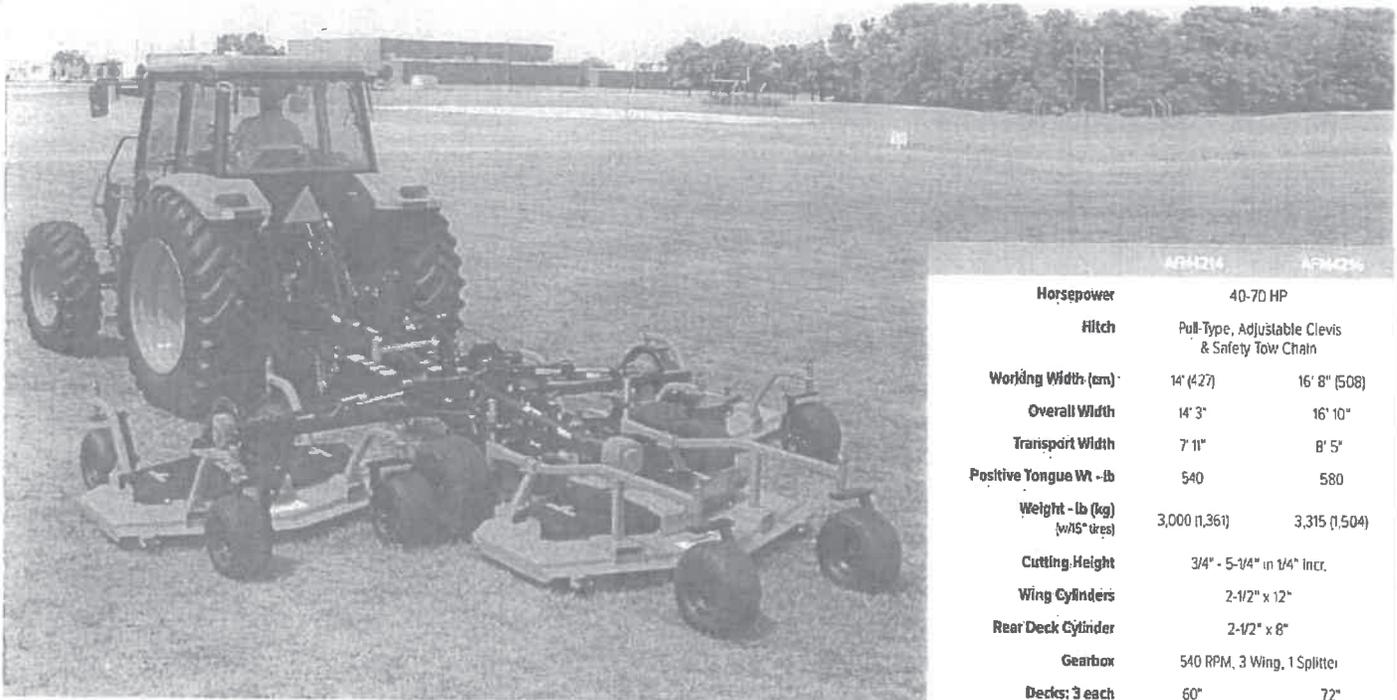
All new equipment quotes valid for 45 days unless stated otherwise.

Thank You For Your Business!

AFM42 SERIES ALL-FLEX MOWER

HP RECALCULATED
40-70 HP

4-POINT
HITCH
Full-Type



Get the results you deserve!

The AFM42 Series is perfect for golf course maintenance, large estates, city recreation areas and sports fields. Sleek enough to get under trees and agile enough to turn on a dime, the AFM42 Series is just right for all around turf maintenance. And the quality of cut is the best feature of all.



Over center release easily takes tension off the drive belts during extended off time, or for belt replacement.



Anti-scalp rollers on nose and trailing edges of decks protect the deck as well as the turf.



Optional Hydraulic Wing Unlock allows user to unlock the wings from the tractor seat.



Low deck pivot allows for greater side to side flotation on the wing decks.

	AFM4214	AFM4236
Horsepower	40-70 HP	
Hitch	Pull-Type, Adjustable Clevis & Safety Tow Chain	
Working Width (cm)	14' (427)	16' 8" (508)
Overall Width	14' 3"	16' 10"
Transport Width	7' 11"	8' 5"
Positive Tongue Wt. - lb	540	580
Weight - lb (kg) (w/15" tires)	3,000 (1,361)	3,315 (1,504)
Cutting Height	3/4" - 5-1/4" in 1/4" Incr.	
Wing Cylinders	2-1/2" x 12"	
Rear Deck Cylinder	2-1/2" x 8"	
Gearbox	540 RPM, 3 Wing, 1 Splitter	
Decks: 3 each	60"	72"
Deck Thickness	3/16"	
Deck Overlap	6"	8"
Deck Spindle Housing	Cast Iron Greaseable Hubs	
Blade Size	5/16" x 2-1/2" x 20-29/32"	5/16" x 2-1/2" x 25"
Blade Overlap	1-1/4"	
Blade Tip Speed	18,396 fpm	18,340 fpm
Blade Bearings	Greaseable Ball Bearings	
Blade Spindles	1-3/8" Stressproof Shaft	
Blade Spindle RPM	3,362 RPM	2,802 RPM
Drive Train	540 RPM B-section V Belt	
Discharge	Rear	
Deck Tires - 10 total	15 x 6.6 Air Tire, Sealant or 18 x 9.5 Air Tire, Sealant	
Deck Wheel Spindles	1-1/4" w/Nylon Bushings	
Transport Tires and Bearing	23 x 10.5, Sealant Tapered Bearings	
Anti-Scalp Roller	Front Center and Outside Deck Corners	
Input Driveline	Cat. 4 CV w/Slip-Clutch	
Deck Driveline	Cat. 3	
Mowing capacity @2mph	3.39 Acres/hr	4.0 Acres/hr
@4mph	6.78 Acres/hr	8.1 Acres/hr
@6mph	10.17 Acres/hr	12.1 Acres/hr
Flex - Wings	23" L-R, 22" F-B	
Flex - Center	10" L-R, 22" F-B	
Transport Lights	Standard	
Colors		

MOWERS

*See dealer for complete warranty information.

FDR25 SERIES GROOMING MOWERS

15-60 HP

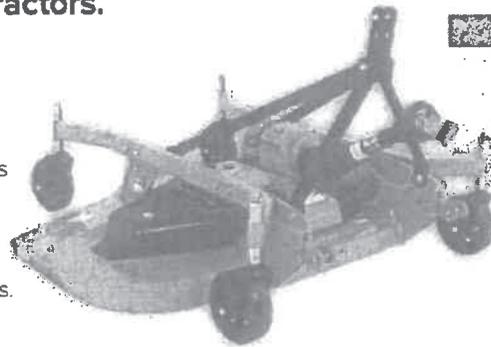
QUICK HITCH
Cat. 1



MOWERS

Full-size mower for compact tractors.

The FDR25 Series of Grooming Mowers offer the same 3-blade system and floating hitch as the FDR16 and provide professional results for larger acreage homeowners and municipalities. The 72" and 84" cutting widths are well-suited for most compact tractors. Their frame-over-deck design supports the deck, minimizing flex and provides superb cutting performance in turf-grass applications.



FDR2572		FDR2584	
Horsepower	15-60 HP		
Hitch	Cat. 1		
Working Width (cm)	72" (183)	84" (213)	
Overall Width (cm)	74-7/8" (190)	86-1/2" (220)	
Weight - lb (kg)	718 (326)	812 (368)	
Mowing Height	3/4" - 5-1/4"		
Discharge	Rear		
Lower Hitch	Floating Clevis w/Plated Pins		
Top Link	Floating Clevis		
Deck Material Thickness	3/16"		
Blades 3 ea. Heat Treated Alloy Steel	1/4" x 2-1/2" x 25"	5/16" x 2-1/2" x 29"	
Blade Overlap	1-1/4"		
Blade Spindles	Greaseable		
Deck Spindle Housings	Cast Iron Greaseable Hubs		
Blade Tip Speed	18,130 fpm	17,210 fpm	
Caster Gauge Wheels, 4 each	3-1/4" x 10" Solid Rubber Tire	4" x 11" Semi-Solid	
Caster Wheel/Spindle	1" Diameter Stressproof Material		
Drive Train	540 RPM B-Section V-Belt		
Driveline	Heavy-duty w/Quick Coupler		
Front Roller	Optional		
Colors			



Some tractor and tire combinations do not allow enough room for mower hook-up. Longer lower hitch clevises are available to easily correct this situation.



Solid rubber tires are sandwiched between the rim halves and bolted in.



Main drive cast iron pulley offers superior strength and belt slippage control.



Blade spindles and bearings are precision fit in a cast iron housing.

*See dealer for complete warranty information.

QUICK HITCH

www.landpride.com

Town of Braintree
Department of Public Works: Grounds & Cemetery
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference GC12

1. Department: DPW
 2. Sub-Department: Grounds & Cemetery
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Asst. Recreation & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: Forman Truck - 2
 8. Number of Units Requested: 2
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year:
 Average days per week:
 Estimated life in years:

10-15

12. Purchase Price	Per Unit	Total
Cost:	\$50,000	\$100,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$50,000	\$100,000

13. Replaced Equipment
 Item:
 Make:
 Age:

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A
 16. Comments:

17. Submitted by: Chris Griffin
 Asst. Recreation & Community Events Coordinator
 18. Priority: 1

Town of Braintree
Department of Public Works: Grounds & Cemetery
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference GC13

1. Department: DPW
 2. Sub-Department: Grounds & Cemetery
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Asst. Recreation & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: Landscape Trailer - 2
 8. Number of Units Requested: 2
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year:
 Average days per week:
 Estimated life in years:

10-15

12. Purchase Price	Per Unit	Total
Cost:	\$10,000	\$20,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$10,000	\$20,000

13. Replaced Equipment
 Item:
 Make:
 Age:

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A
 16. Comments:

17. Submitted by: Chris Griffin
 Asst. Recreation & Community Events Coordinator
 18. Priority: 1

Town of Braintree
Department of Public Works: Grounds & Cemetery
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference GC14

1. Department: DPW
 2. Sub-Department: Grounds & Cemetery
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Asst. Recreation & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: Zero Turn Mower - 2
 8. Number of Units Requested: 2
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year:
 Average days per week:
 Estimated life in years:

10-15

12. Purchase Price	Per Unit	Total
Cost:	\$17,000	\$34,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$17,000	\$34,000

13. Replaced Equipment
 Item:
 Make:
 Age:

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A
 16. Comments:

17. Submitted by: Chris Griffin
 Asst. Recreation & Community Events Coordinator
 18. Priority: 1

Town of Braintree
Department of Public Works: Grounds & Cemetery
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference GC15

1. Department: DPW
 2. Sub-Department: Grounds & Cemetery
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Asst. Recreation & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: Landpride AFM4216 All-Flex Mower
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year:
 Average days per week:
 Estimated life in years:

10-15

12. Purchase Price	Per Unit	Total
Cost:	\$18,650	\$18,650
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$18,650	\$18,650

13. Replaced Equipment
 Item:
 Make:
 Age:

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A
 16. Comments:

17. Submitted by: Chris Griffin
 Asst. Recreation & Community Events Coordinator
 18. Priority: 1

Town of Braintree
Department of Public Works: Grounds & Cemetery
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference GC16

1. Department: DPW
 2. Sub-Department: Grounds & Cemetery
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Asst. Recreation & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: Landpride FDR2584 84" Grooming Mower
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year:
 Average days per week:
 Estimated life in years:

10-15

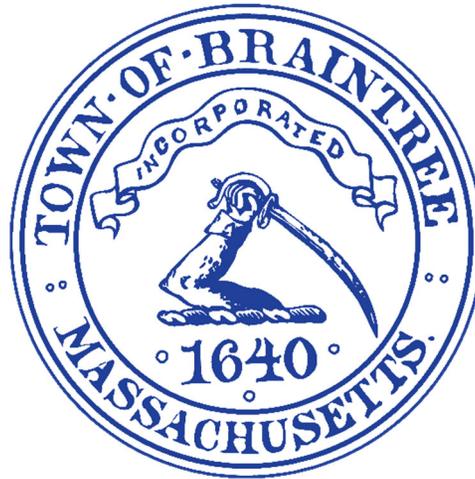
12. Purchase Price	Per Unit	Total
Cost:	\$4,073	\$4,073
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$4,073	\$4,073

13. Replaced Equipment
 Item:
 Make:
 Age:

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A
 16. Comments:

17. Submitted by: Chris Griffin
 Asst. Recreation & Community Events Coordinator
 18. Priority: 1



Town of Braintree
Department of Public Works
Capital Budget – Highway
Fiscal Years 2022-2026

James Arsenault, PE
Director of Public Works

**Town of Braintree
Department of Public Works
Schedule H-1 Summary of Capital Budget Request - Highway
Fiscal Years 2022-2026**

Rank	Reference	Project / Item	Type	New/ Replacement	Age of Replacement	Total Dollars	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
1	H1	Large 6 WHL Dump Truck w/Plow and Spreader (3)	Capital Equipment	Replacement	20+	765,000	250,000	255,000	260,000	-	-
2	H2	F550 Style Hook & Go with Dump, Sander, & Plow	Capital Equipment	New	N/A	265,000	130,000	-	-	-	135,000
3	H3	Replacement Dump Body w/ frame sandblast/paint	Capital Equipment	Replacement	10+	120,000	60,000	60,000	-	-	-
4	H4	Pick up Truck (3)	Capital Equipment	Replacement	19	155,000	50,000	50,000	-	55,000	-
5	H5	Sidewalk Plow (2)	Capital Equipment	Replacement	20+	345,000	170,000	-	-	175,000	-
6	H6	Thermoplastic Paint Machine	Capital Equipment	New	N/A	22,000	22,000	-	-	-	-
7	H7	Skidsteer w/Attachments & Accessories	Capital Equipment	Replacement	20+	130,000	130,000	-	-	-	-
8	H8	Material Screener	Capital Equipment	Replacement	20+	75,000	75,000	-	-	-	-
9	H9	Security Cameras	Capital Equipment	New	N/A	30,000	30,000	-	-	-	-
10	H10	Stainless Sander Spreader (4)	Capital Equipment	Replacement	20+	130,000	30,000	30,000	-	35,000	35,000
11	H11	Baker 11 ft Plows (5)	Capital Equipment	Replacement	15+	87,000	17,000	17,000	17,500	17,500	18,000
12	H12	Vehicle & Equipment Outbuildings	Construction/Renovation	New	N/A	300,000	100,000	100,000	100,000	-	-
13	H13	Excavator w/Brush Grinder	Capital Equipment	New	N/A	250,000	250,000	-	-	-	-
14	H14	Grounds/Cemetery Building	Construction/Renovation	New	N/A	120,000	120,000	-	-	-	-
15	H15	ADA Improvements	Construction/Renovation	New	N/A	55,000	40,000	15,000	-	-	-
16	H16	Forman Truck w/4x4 Plows (2)	Capital Equipment	Replacement	10+	130,000	-	130,000	-	-	-
17	H17	F550 "Style" Truck (2)	Capital Equipment	Replacement	20+	175,000	-	85,000	-	-	90,000
18	H18	Brush Grinder Head for Excavator	Capital Equipment	New	N/A	42,000	-	42,000	-	-	-
19	H19	Street Sweeper	Capital Equipment	Replacement	14	255,000	-	-	255,000	-	-
20	H20	Compressor Trailer	Capital Equipment	Replacement	14	25,000	-	-	25,000	-	-
Totals						3,476,000	1,474,000	784,000	657,500	282,500	278,000

**Town of Braintree
 Department of Public Works: Highway
 Capital Equipment Purchase Request Form
 Schedule G-1 Capital Equipment
 Fiscal Year 2022-Reference H1**

1. Department: DPW
 2. Sub-Department: Highway
 3. Date: 1/10/2022
 4. Contact Person: Benjamin Hulke
 5. Contact Title: Asst. Dir. of Public Works
 6. Phone: 781-794-8959
 7. Project Name: 6 Wheel Truck w/ dump body & plow
 8. Number of Units Requested: 3
 9. Number of Similar Items in Inventory: 3
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year:
 Average days per week:
 Estimated life in years:

15

12. Purchase Price
 Cost (Total includes cost increases in future years):
 Plus Installation or other costs:
 Less Trade-in/other discounts:
 Net Purchase:

	Per Unit	Total
Cost (Total includes cost increases in future years):	\$250,000	\$765,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$250,000	\$765,000

13. Replaced Equipment
 Item:
 Make:
 Age:
 Item:
 Make:
 Age:

1991 #S1 Sander Truck
 International
 31
 1997 #6 Large Dump Truck
 International
 25

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify):

N/A

16. Comments: Replacing 2 CDL trucks with increasing maintenance costs due to long life

17. Submitted by:

Benjamin Hulke
 Asst. Dir. of Public Works

18. Priority:

1

Pricing Proposal Form

GBPC | BAPERN GBPC 2020 Trucks

Proposal Due Date: Wednesday, October 19, 2020 at 1:00 PM

Pricing Type: Sale and Lease to Purchase

Respondent: Taylor & Lloyd, Inc. for International Trucks

Item #	Model Year	Manufacturer	Model/Item	Description	Unit Price
12 - 101D	2021	International	MV607	MV607 4 X 2 25,500 GVWR	\$ 75,397.00

OEM Option & Equipment - Medium Duty Trucks

Engine Options

109		Cummins	L 9 Liter	L9 Liter 350 HP ilo B 6.7 250 HP for MV607	\$ 11,206.00
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Transmission Options

117		Allison	3500 RDS MV6	5 or 6 Speed with PTO Provision ilo 2100 RDS	\$ 5,914.00
118		Allison		Auto Neutral Control	\$ 131.00
120		Allison		Transmission Control Located in Cab	\$ 141.00
121		Allison		Transmission Cooler Hoses - Stainless Steel (MV only)	\$ 532.00

Front Axle & Suspension Options

130		Meritor / Dana Spicer		14,600 lb. Wide Track I-Beam Type Front Axle	\$ 1,850.00
					\$ 1,400.00

Rear Axle Options

136		Meritor / Dana Spicer		30,000 lb. Capacity Rear Axle	\$ 4,461.00
139		Meritor / Dana Spicer		Driver Controlled Locking Differential	\$ 979.00

Frame Rail Options

140				(80,000 PSI Yield); 10.250" x 3.092" x 0.375"	\$ 403.00
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Cab / Chassis Options

154			MV607	Stationary Grill	\$ 171.00
157			MV607	Power Windows and Door Locks	\$ 373.00
159			MV607	Premium Interior Package	\$ 548.00
161			MV607	Fiberglass Exterior Sun Visor	\$ 257.00
163			MV607	Air Suspension Driver Seat	\$ 315.00
166			MV607	Arm Rest Driver Seat	\$ 40.00
167			MV607	Arm Rest Passenger Seat (Single Passenger)	\$ 40.00
175			MV607	MV607 Spare Tire & Rim	\$ 827.00
179		Cummins	MV607	Engine Exhaust Brake	\$ 187.00
182			MV607	Dual ABS Air Brake System/ Automatic Traction Control- Heated Air Dryer	\$ 2,091.00
183			MV607	Aluminum Air Tanks	\$ 510.00
184			MV607	Trailer Brake Connections - Electric	\$ 368.00
185			MV607	Trailer Brake Connections - Air	\$ 457.00
186			MV607	Programmable Body Circuit Switches "Six Pack"	\$ 802.00
188			MV607	Fog Lights - Two (2)	\$ 301.00
189			MV607	Front Tow Hooks - Double	\$ 85.00
192			MV607	Corrosion Resistant E-Coat Primer Coating for Single Frame Rails	\$ 508.00
194			MV607	Heated Windshield	\$ 641.00
196			MV607	200/210 Amp Alternator - Leece-Neville - Bosch - Delco Remy	\$ 457.00
199			MV607	Hood Mounted Convex Mirrors Heated	\$ 265.00
200			MV607	DOT Safety Equipment & DOT Inspection	\$ 305.00
201			MV607	Heavy Duty .472" Hub Piloted Disc Wheels - Front Axle	\$ 195.00
202			MV607	Heavy Duty .472" Hub Piloted Disc Wheels - Rear Axle - per axle	\$ 316.00
203			MV607	Powder Coated Wheels	\$ 72.00

Heavy Duty Body Equipment

345				Polymer Rear Fenders	\$ 900.00
349				Pintle Plate	\$ 1,100.00
602				Automatic Transmission Mounted Central Hydraulic System	\$ 6,598.00

Hook Loader Equipment

821		Ampliroll		Ampliroll Hook loader for 10' to 14' Bodies, 24,000 lbs. Capacity	\$ 32,169.00
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Lighting Systems

949				LED WARNING SYSTEM: Front Grill and Two Rear mounted flashers	\$ 1,550.00
952				Small Roof Mounted LED Light Bar	\$ 1,421.00

Extended Service Contracts

					List
962		Cummins	MV607/HV507	Cummins L9 To 72-Month/150,000 Miles Protection Plan 1 and Aftertreatment	\$ 7,130.00
968		Navistar	MV607	Navistar To 84-Month/100,000 Miles Extended Warranty Excludes Engine & Transmission	\$ 4,200.00
976		Allison		Allison "Extended Transmission Coverage" to 7 Years - 3000 & 3500 Series	\$ 1,175.00
					\$ 168,788.00

Snow Plow Equipment

642				Heavy Duty Stationary Quick Hitch with Lights and Control Valve	\$ 8,000.00
646				Power Reverse Hydraulic Controls	\$ 1,100.00
666				RUBBER FLAP FOR PLOW	\$ 500.00
675		Flink		FLINK-Heavy Duty 11' Power Reversing Trip Edge Plow	\$ 12,423.00
					\$ 22,023.00

Dump Body Options

606				10' - 6 to 8 Cubic Yard Dump	\$ 15,150.00
613				Custom Fabricated Tailgate Asphalt Door (\$609.00 Each)	\$ 1,827.00
622				Manually Retracted Load Cover	\$ 740.00
623				Side Boards: Oak 2" x 10"	\$ 508.00
625				Two (2) Chock Blocks and Holders	\$ 406.00
627				Upcharge for 10' Stainless Steel Dump Body ILO Steel	\$ 12,120.00
831				Hook loader Skid for Mounting Optional Bodies	\$ 2,700.00
					\$ 33,451.00

Snow & Ice Equipment

713		Downeaster		Downeaster 10 ft. chassis mounted Spreader	\$ 9,242.00
715				Manual Spreader Fluid Control Valve, Plumbed	\$ 2,300.00
717				Sander Spill Shields	\$ 900.00
721				Stainless Steel Upgrade for 10' Sander	\$ 5,583.00
723				4" Flood Light for Spreader- LED	\$ 400.00
724				Dual Steel Diamond Tread Cat Walks with Access Steps	\$ 1,800.00
725				Reinforced Bumper to Protect Spinner Chute	\$ 1,100.00
728				Calcium Applicator, Dual Poly Tanks	\$ 4,545.00
762				Top Sectional Screens for Dump/Spreader	\$ 2,842.00
831				Hook loader Skid for Mounting Optional Bodies	\$ 2,700.00
832				Custom Support Legs for Specialized Bodies	\$ 2,700.00
					\$ 34,112.00

\$ 258,374.00

Pricing Proposal Form

GBPC | BAPERN GBPC 2020 Trucks

Proposal Due Date: Wednesday, November 19, 2020 at 1:00 PM

Pricing Type: Sale and Lease to Purchase

Respondent: Boston Freightliner, Inc. | New England Road Equipment

Item #	Model Year	Manufacturer	Model/Item	Description	Unit Price	
Base Truck Models					M2 106	108 SD
F - 20 - 001	2021	Freightliner	M2 106 4 x 2	Freightliner Truck Model: M2 106 4 x 2 (25,500 GVW)	\$ 77,650.00	
F - 20 - 002	2021	Freightliner	108SD 4 x 2	Freightliner Truck Model: 108SD 4 x 2 (33,000 GVW)		\$ 83,950.00
OEM Options & Equipment - Medium Duty Trucks						
Engine Options						
110		Cummins	L 9.0L 300HP @ 860 lb-ft IL6 ilo B 200 in M2106		\$ 9,750.00	
128		Cummins	L 9.0L 300HP @ 860 lb-ft IL6 ilo B 200 in 108SD			\$ 9,950.00
Transmission Options						
141		Allison	3000/3500 RDS CR 5 or 6 Speed Automatic Transmission w/PTO provision for M2106		\$ 7,550.00	
144		Allison	3000/3500 RDS WR 5 or 6 Speed Automatic Transmission w/ PTO provision for 108SD			\$ 5,950.00
Front Axle Suspension Options						
152		Detroit/Meritor	14,700 lb. Front Axle with 12R22.5 Tires		\$ 2,150.00	\$ 2,150.00
Rear Axle Options						
162		Detroit/Meritor	21,000 lb. Rear Axle for M2106		\$ 750.00	
163		Detroit/Meritor	23,000 lb. Rear Axle standard in 108SD			\$ 1,550.00
Frame Rail Options						
171		Detroit	120,000 ksi 10 15/16" x 3 1/2" x 11/32" HD Frame Rail		\$ 950.00	\$ 950.00
Cab Chassis Options						
177			Horizontal After Treatment Device with Vertical Pipe		\$ 950.00	\$ 950.00
178			Allison Transmission Mounted Central Hydraulic System		\$ 7,550.00	\$ 7,550.00
179			PTO for Allison Automatic Transmission		\$ 2,950.00	\$ 2,950.00
183			Stationary Grille		\$ 390.00	\$ 390.00
184			Hood Service Hatches		\$ 650.00	\$ 650.00
187			Exterior Roof Sun Visor		\$ 300.00	\$ 300.00
188			Adjustable Tilt/Telescopic Steering Wheel		\$ 400.00	\$ 400.00
189			Dual Rectangular 26" Polished Air Horns		\$ 250.00	\$ 250.00
190			Air Suspension Drivers Seat		\$ 350.00	\$ 350.00
193			Spare Tire and Wheel - 11R22.5 16 Ply on 8.25x22.5 Rim		\$ 1,250.00	\$ 1,250.00
194		On Spot	Automatic Tire Chain System		\$ 3,450.00	\$ 3,450.00
199			Dual ABS Air Brake System - Heated Air Dryer for M2106		\$ 2,350.00	\$ 2,350.00
200			Driver Controlled Differential Locking		\$ 1,050.00	\$ 1,050.00
201			Trailer Brake Connections - Air/Electric to rear of frame		\$ 1,150.00	\$ 1,150.00
202			(6) Body Up-fitter Circuit Switches		\$ 600.00	\$ 600.00
205			(1) Dash Mounted PTO Switch w/ Indicator Light - Neutral Interlock		\$ 450.00	\$ 450.00
206			Front Frame Extension 8" Bolt-on type for Snow Plow/Winch		\$ 1,350.00	\$ 1,350.00
208			Service Manual - DVD Rom		\$ 490.00	\$ 490.00
210			Bright Finish Heated Dual Mirrors		\$ 300.00	\$ 300.00
213			Delco Remy Heavy Duty 300 Amp Pad Mtd Alternator		\$ 950.00	\$ 950.00
214			Fender Mounted Tri-Pod Mirrors		\$ 200.00	\$ 200.00
215			(3) Batteries 12V 2775 CCA's		\$ 450.00	\$ 450.00
216			Positive Load Disconnect Switch		\$ 250.00	\$ 250.00
Aftermarket Equipment for Medium & Heavy Duty Trucks						
Dump Body Options						
439		Donovan 106	10' Donovan 6-8 Yard Heavy Duty Dump Body less Hydraulics		\$ 13,950.00	\$ 13,950.00
445			PTO: Hydraulic Pump and Valve for Allison Automatic Transmission		\$ 3,450.00	\$ 3,450.00
456			Pintle Hook and Plate T-90A w/ Trailer Plug and Glad Hands		\$ 950.00	\$ 950.00
457			Electric Brake Controller		\$ 650.00	\$ 650.00
458			Custom Fabricated Tailgate Asphalt Door (Each) (all makes)		\$ 650.00	\$ 650.00
459			Air Operated Tailgate (all makes)		\$ 800.00	\$ 800.00
463		Aero/Pioneer	Electric Automatic Load Cover		\$ 3,150.00	\$ 3,150.00
468			Steel Side Boards: "C" Channel		\$ 200.00	\$ 200.00
469			Two (2) Chock Blocks and Holders		\$ 295.00	\$ 295.00
471		BeauRoc	Upcharge for 10' Stainless Steel Dump Body ILO Steel		\$ 18,950.00	\$ 18,950.00
Snow Plow Equipment						
478		Monroe	Heavy Duty Plow Frame - Stationary with Lights/Control/Valve		\$ 6,950.00	\$ 6,950.00
487		Flink/Baker	Heavy Duty 11' Power Reversing Trip Edge Plow		\$ 13,950.00	\$ 13,950.00
504			Quick Hitch Attachment for Snow Plow		\$ 1,550.00	\$ 1,550.00
Winter Maintenance Equipment						
512		Monroe	10' Monroe Steel 7 Yard Drop-In Type Spreader		\$ 14,450.00	\$ 14,450.00
515		Monroe/Flink	Stainless Steel Upgrade for 10' Spreader		\$ 6,950.00	\$ 6,950.00
517			Manual Spreader Fluid Control Valve, Plumbed		\$ 2,650.00	\$ 2,650.00
520			Spreader Control Systems - Manual Valves		\$ 2,400.00	\$ 2,400.00
522		Monroe/Flink	Rear Deflector for Spreader		\$ 1,050.00	\$ 1,050.00
523			4" Flood Light for Spreader		\$ 350.00	\$ 350.00
524			Dual Rear Facing 7" Red Flashers for Spreader		\$ 650.00	\$ 650.00
527		REED	Calcium Applicator, Dual 80 Gallon Tanks		\$ 7,950.00	\$ 7,950.00
544			Sander/Spreader Spill Shields - all makes		\$ 1,600.00	\$ 1,600.00
Lighting Systems						
652		Whelen	LED Strobe Warning System : Two (2) Front Body Mount Strobe Units and Two (2) Rear Mounted Lights with Brake and Turn Signals		\$ 2,750.00	\$ 2,750.00
654		Whelen	LED Strobe Warning System : Two (2) Rear Mounted Lights with Brake and Turn Signals		\$ 1,250.00	\$ 1,250.00
665		Whelen	(1) LED Amber/Clear Light Beacon - Roof Mounted		\$ 1,250.00	\$ 1,250.00
Extended Service Contracts						
668		Cummins	Engine : L Including Injectors, Turbo and After Treatment System - 5 Year / 100,000 Miles		\$ 3,950.00	\$ 3,950.00
675		Freightliner	Basic Vehicle TC4 : 7 Year /250,000 Miles ilo 3 Year (not inc. Eng & Trans.)		\$ 4,950.00	\$ 4,950.00
680		Allison	Transmission : Allison 2000/3000/3500- 7 Year / Unlimited Mile ilo 5 Year		\$ 950.00	\$ 950.00
					\$ 245,525.00	\$ 251,225.00
					M2 106	108 SD
					minus extended service contracts and stainless body	\$ 216,725.00 \$ 222,425.00

Town of Braintree
Department of Public Works: Highway
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference H2

- 1. Department: DPW
- 2. Sub-Department: Highway
- 3. Date: 1/10/2022
- 4. Contact Person: Benjamin Hulke
- 5. Contact Title: Asst. Dir. of Public Works
- 6. Phone: 781-794-8959
- 7. Project Name: F550 Style Hook Lift
- 8. Number of Units Requested: 2
- 9. Number of Similar Items in Inventory: 0
- 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

- 11. Estimated Use of Requested Item
 - Days per year:
 - Average days per week:
 - Estimated life in years:

15

- 12. Purchase Price
 - Cost (Total includes cost increases in future years):
 - Plus Installation or other costs:
 - Less Trade-in/other discounts:
 - Net Purchase:

	Per Unit	Total
Cost (Total includes cost increases in future years):	\$130,000	\$265,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$130,000	\$265,000

- 13. Replaced Equipment

Item: 2009 #7 F550 Dump
 Make: Ford
 Age: 13
 Item:
 Make:
 Age:

- 14. Recommended disposal of Replaced Item(s):
 - Sale
 - Possible use by other departments
 - Other (Trade-in)

- 15. Available Aid or Grants (specify):

N/A

- 16. Comments: Replacing aging small dump truck with a more versatile truck capable of multiple functions by quickly switching bodies for the required daily use.

- 17. Submitted by: Benjamin Hulke
Asst. Dir. of Public Works

- 18. Priority: 2

**Town of Braintree
 Department of Public Works: Highway
 Capital Equipment Purchase Request Form
 Schedule G-1 Capital Equipment
 Fiscal Year 2022-Reference H3**

1. Department: DPW
 2. Sub-Department: Highway
 3. Date: 1/10/2022
 4. Contact Person: Benjamin Hulke
 5. Contact Title: Asst. Dir. of Public Works
 6. Phone: 781-794-8959
 7. Project Name: Replacement Dump Body
 8. Number of Units Requested: 2
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year:
 Average days per week:
 Estimated life in years:

10

12. Purchase Price	Per Unit	Total
Cost:	\$60,000	\$120,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$60,000	\$120,000

13. Replaced Equipment

Item: Body on truck # 4, 6, 15, 1, 5
 Make: Various
 Age: 10-20+
 Item:
 Make:
 Age:

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A

16. Comments: Replacing rotted dump bodies and sandblast/paint truck frame to extend the life of current vehicles.

17. Submitted by: Benjamin Hulke
 Asst. Dir. of Public Works

18. Priority: 3

PRICING

GBPC / BAPERN GBPC 2021 AFTERMARKET PRICING

DESCRIPTION: AFTERMARKET PRICING - SUPPLIED AND INSTALLED

RESPONDENT: DONOVAN EQUIPMENT CO. INC.

Item#	Manufacturer	Model	Description - SIX WHEEL DUMP BODIES - PTO HYDRAULICS - OPTIONS	Unit Price	
353	GODWIN	NEW ENGLANDER	10' 6 TO 8 YARD DUMP - 30" SIDES - PAINTED BLACK		\$ 18,900.00
354	BEAUROC	DHS - HARDOX	10'6" 6 TO 8 YARD DUMP - 36" SIDES - PAINTED BLACK	\$ 20,875.00	
356	BEAUROC	STAINLESS STEEL	UPGRADE DHS 10'6" AND DHS 11' TO STAINLESS BODY - HARDOX FLOOR	\$ 9,900.00	
362		OPTIONS	COAL DOORS - STEEL - EACH	\$ 600.00	\$ 1,800.00
367		OPTIONS	8" STEEL CHANNEL SIDE BOARDS PRICE PER FOOT	\$ 55.00	\$ 55.00
369	AERO/PIONEER	525/1500	ELECTRIC COVERALL WITH ALUMINUM ARMS AND MESH NET	\$ 2,250.00	\$ 2,250.00
370		OPTIONS	STROBES - LED 404 - 4 STROBES IN BODY AND CAB SHIELD	\$ 1,000.00	\$ 1,000.00
				\$ 35,880.00	\$ 24,005.00
				<i>Stainless</i>	
			SANDBLAST AND PAINT FRAME	\$ 4,000.00	\$ 4,000.00
				\$ 39,880.00	\$ 28,005.00

Town of Braintree
Department of Public Works: Highway
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference H4

1. Department: DPW
 2. Sub-Department: Highway
 3. Date: 1/10/2022
 4. Contact Person: Benjamin Hulke
 5. Contact Title: Asst. Dir. of Public Works
 6. Phone: 781-794-8959
 7. Project Name: Pickup Truck
 8. Number of Units Requested: 3
 9. Number of Similar Items in Inventory: 6
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year: Year-round
 Average days per week: 5
 Estimated life in years: 15

	Per Unit	Total
12. Purchase Price		
Cost (Total includes cost increases in future years):	\$50,000	\$155,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$50,000	\$155,000

13. Replaced Equipment
 Item: Pickup Truck
 Make: Ford F-150
 Age: 21

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A

16. Comments: Truck has failed emissions test and needs costly repairs including \$10,000 in internal engine problems and \$3000 in exhaust manifold has 110,000 miles on it.

17. Submitted by: Benjamin Hulke
 Asst. Dir. of Public Works

18. Priority: 4

Pricing Proposal Form

GBPC|BAPERN GBPC 2021 Vehicles

Public Service Vehicles & Equipment

Description: 2019 or Current Model Year Public Service Vehicles and Factory Options

Proposal Due Date: Fri, Aug 20, 2021 @ 1:00 PM

Respor MAG Retail Holdings - FFD LLC dba McGovern Commercial HQ (MCHQ)

Gas & Diesel Vehicles					MSRP	
2022	Ford	F Series Super Duty	X2B	F250 4X4 Super PU SRW (XLT 164 in. WB)	\$47,020.00	\$36,202.00
			603A	603A Equipment Group (XL)	\$0.00	\$0.00
			996	Engine: 6.2L V8	\$0.00	\$0.00
			44G	Transmission: TorqShift 10 Speed Auotmatic	\$0.00	\$0.00
			X3E	Axle: 3.73 Electronic Locking	\$390.00	\$386.10
			64Z	19.5" x 6" Argent Painted Steel Wheels	\$0.00	\$0.00
			TGK	-inc: 4 traction tires on the rear and 2 traction tires on the front, Not recommended for over the road applications; could incur irregular front	\$215.00	\$212.85
			TGJ	Tires: 225/70Rx19.5G BSW A/P	\$0.00	\$0.00
			153	Front License Plate Bracket	\$0.00	\$0.00
			166	Carpet Delete	-\$50.00	-\$49.50
			592	Roof Clearance Lights	\$95.00	\$94.05
			54F	Mirrors, PowerScope Power Glass	\$280.00	\$277.20
			17X	4X4 Off Road Package	\$400.00	\$396.00
			66S	Upfitter Switches	\$165.00	\$163.35
			76R	Reverse Sensing	\$295.00	\$292.05
			473	Snow Plow Prep	\$250.00	\$247.50
			525	Cruise Control	\$235.00	\$232.65
			531	Trailer Tow Package	\$45.00	\$44.55
			52B	Tow Command, Integrated Trailer Brake Controller	\$270.00	\$267.30
			435	Power Sliding Window	\$405.00	\$400.95
			18A	Upfitter Interface Module	\$295.00	\$292.05
			85S	Tough Bed Spray-In Bedliner	\$595.00	\$589.05
			61M	Wheel Well Liner	\$180.00	\$178.20
			61S	Splash Guards (Front and Rear)	\$130.00	\$128.70
			62S	Splash Guards (Rear)	\$0.00	\$0.00
			17V	XLT Value Package	\$1,480.00	\$1,465.20
			90L	Power Equipment Group (Regular and Super Cab)	\$865.00	\$856.35
			67E	Extra-Extra Heavy Duty Alternator	\$85.00	\$84.15
			59Q	LED Lighting Package	\$1,180.00	\$1,168.20
			86M	Dual Batteries	\$210.00	\$207.90
			16P	Vinyl Floor Covering	\$115.00	\$113.85
			62Y	Premium Aluminum Tool/Cargo Box by Weather Guard	\$790.00	\$782.10
			53Q	F250 Trailer Tow Package	\$2,785.00	\$2,757.15
			18B-SC	Platform Running Boards (Super and Crew Cab)	\$445.00	\$440.55
			51X	Spare Tire Delete	-\$85.00	-\$84.15
			91S	LED Warning Strobes - Amber	\$675.00	\$668.25
			91G	LED Warning Strobes - White	\$725.00	\$717.75
			942	Daytime Running Lamps	\$295.00	\$292.05
			YZ	Exterior Paint: Oxford White	\$0.00	\$0.00
			AS	-inc: center armrest, cupholder and driver's side manual lumbar	\$0.00	\$0.00

\$49,824.40

Town of Braintree
Department of Public Works: Highway
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference H5

- 1. Department: DPW
- 2. Sub-Department: Highway
- 3. Date: 1/10/2022
- 4. Contact Person: Benjamin Hulke
- 5. Contact Title: Asst. Dir. of Public Works
- 6. Phone: 781-794-8959
- 7. Project Name: Sidewalk Plow
- 8. Number of Units Requested: 2
- 9. Number of Similar Items in Inventory: 2

10. Purpose of Expenditure (check as appropriate):
- (v) Scheduled replacement
 - (v) Replace worn-out equipment
 - () Expanded service
 - (v) Increased safety
 - () Present equipment obsolete
 - () Reduce personnel time
 - () New operation
 - () Improve procedures, record, etc.

11. Estimated Use of Requested Item
- Days per year: Seasonal
 - Average days per week: 5
 - Estimated life in years: 15

12. Purchase Price	Per Unit	Total
Cost (Total includes cost increases in future years):	\$170,000	\$345,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$170,000	\$345,000

13. Replaced Equipment
- Item:
 - Make: Bombardier
 - Age: 22

14. Recommended disposal of Replaced Item(s):
- v Sale
 - Possible use by other departments
 - Other (Trade-in)

15. Available Aid or Grants (specify): N/A

16. Comments: Foreman Trucks will be replaced into fleet.

17. Submitted by: Benjamin Hulke
 Asst. Dir. of Public Works

18. Priority: 5



Chadwick-Baross, Inc.
 15 Katrina Road
 Chelmsford, Massachusetts 01824

C# 10261
 Braintree Highway Dept
 245 Union St
 Braintree, MA 02184

Thank you for giving us the opportunity to
 earn your business!

Leigh Burrall
 (978) 288-9752
 burral@chadwick-baross.com

Quote# 2973
 Date: February 8th 2021
 Valid until: March 10th 2021

Stock#: TBD - Prinoth - SW50 - NEW - Hours: 0 \$140,363.00

The SW50 municipal vehicle is engineered and designed for snow removal and clearing of sidewalks. A quick-mount attachment system allows the SW50 to be equipped with a wide variety of standard skid-steer implements, such as a snow blower, front blade, V-plow, etc. This powerful tracked vehicle can accomplish the most demanding snow and ice clearing jobs in tight areas even in the worse of storms. Cab with heat, microcontroller, steering wheel & progressive speed control.

Factory options - Quick attach system, high flow hydraulics & amber strobe.

Engine – CAT 3.6L 100 HP / Maximum speed – 19 MPH / WEIGHT – 6749 lbs

DIMENSIONS - Width – 50.5" / Total length – 127" / Total height – 92"

Warranty: 12 months or 1000 hours - see representative for details

Optional Items - Not Included in Totals

Stock#: TBD - Prinoth - 964400401 HD HF snow blower - NEW - Hours: 0 \$26,204.00

Fully hydrostatic, 5 tons/minute capacity, 54" cutting width, 51" cutting height, 48" chute with 245 degree rotation and adjustable skid shoes.

Stock#: TBD - Prinoth - 968008400 HD snow blade - NEW - Hours: 0 \$7,369.00

60" power angle snow blade with trip mechanism & reverseable cutting edge.

Stock#: TBD - Prinoth - 968008300 HD V plow - NEW - Hours: 0 \$5,005.00

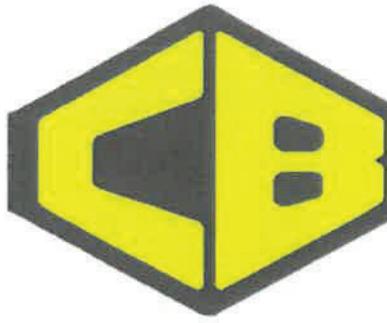
Heavy Duty V plow, replaceable cutting edge, 48" width.

Stock#: TBD - Prinoth - 968007600 Salt & sand spreader - NEW - Hours: 0 \$6,209.00

1/2 yard capacity salt & sand spreader, in-cab flow control, speed regulated (no flow at stop)

Summary

Items:	140,363.00	Trade Payoffs:	0.00
Rent applied to Sale:	0.00	Balance w/tax + Payoffs:	149,135.69
Trades Value:	0.00	Down payment:	0.00
Balance:	140,363.00	Doc Fee:	0.00
MA-OffRoad Tax:	8,772.69		
Balance w/tax:	149,135.69		



Chadwick-BaRoss

MARCH 31 , 20021

BRAINTREE PUBLIC WORKS
245 UNION STREET
BRAINTREE, MASS. 02184
ATTN- BEN HULKE 781-794-8959

PRINOTH SW 50 MUNICIPALVEHICLE(also referred to as a Bombardier)- Engineered and designed for snow removal and clearing sidewalks. A quick-mount attachment system Allows the SW50 to be equipped with a wide variety of standard skid-steer implements, Such as a snow blower, front blade, v-plow, etc. The powerful tracked vehicle can accomplish the most demanding snow and ice clearing jobs in tight areas even in the worst of storms. Cab with heat, microcontroller, steering wheel and progressive speed control.

ENGINE- CAT 3.6 L 100 HP/ Maximum speed- 19MPH/ weight- 6749 lbs

DIMENSIONS-Width-50.5" / Total Length- 127"/ Total Height- 92"

FACTORY EQUIPPED- Quick attach system/ High Flow Hydraulics and Amber Strobe
One year warranty/1000 Hours

PRINOTH SW50 BASE PRICE	\$ 140,363.00
LESS MASS STATE CONTRACT FAC 88	(\$ 2,807.26)

TRACTOR COST	<u>\$ 137,556.00</u>
---------------------	-----------------------------

OPTIONS:

HEAVY DUTY V-PLOW (2@ \$5005.00)	\$ 10,010.00
LESS MASS STATE CONTRACT	(\$200.20)
	<u>\$9,809.80</u>

STRAIGHT BLADE(ANGLE)	\$ 6,869.00
------------------------------	--------------------

15 Katrina Road, Chelmsford, MA 01824 ~ 800.804.0775 Toll Free – 978.256.8802 Fax

LESS MASS STATE CONTRACT

(138.00)

\$ 6769.00

***TOTAL COST OF TRACTOR W/ ATTACHMENTS \$ 154,134.80**

Leigh C Burrall
Municipal Sales Manager
978-288-9752 cell

Authorized Holder Dealer/ on Massachusetts State Contract

15 Katrina Road, Chelmsford, MA 01824 ~ 800.804.0775 Toll Free – 978.256.8802 Fax

Town of Braintree
Department of Public Works: Highway
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference H6

1. Department: DPW
 2. Sub-Department: Highway
 3. Date: 1/10/2022
 4. Contact Person: Benjamin Hulke
 5. Contact Title: Asst. Dir. of Public Works
 6. Phone: 781-794-8959
 7. Project Name: Thermoplastic Paint Machine
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year: Early spring to late fall
 Average days per week: 4
 Estimated life in years: 10

12. Purchase Price	Per Unit	Total
Cost:	\$22,000	\$22,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$22,000	\$22,000

13. Replaced Equipment
 Item:
 Make:
 Age:

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A

16. Comments: Paint machine for installing first time road markings on new pavement projects as well as high travel/high wear areas.

17. Submitted by: Benjamin Hulke
 Asst. Dir. of Public Works

18. Priority: 6

(866) 352-6890

support@pittsburghsprayequip.com



USD

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Graco ThermoLazer ProMelt

\$18,029.00

Complete System

Quantity

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Thermoplastic Handliner

The world's first fast melt, on-board handliner.

Introducing the world's first fast melt, on-board handliner – ThermoLazer ProMelt System by Graco. Now, for the first time, it's possible to melt up to 300 pounds of thermoplastic material (6-50 lb bags) in a handliner in less

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No one else can do this and we're proud to say that this patent pending system will soon become the new industry standard for years to come.

Features:

- QuadMelt System - Four chamber system can melt 300 lbs of material in less than 1 hour.
- ControlFlow System - Precise material flow control with a squeeze of a lever.
- SplitBead Hopper - Holds over 90 lbs (40 kg) of reflective glass beads.
- EasyGlide System - First thermoplastic line striper with dual rear wheels and Fat Track Front Swivel for smooth LineLazer-like handling.
- SmoothRide Tires - High-load pneumatic tires provide excellent maneuverability and less rolling resistance.
- Optional Double-Bead Drop System Kit: installs in minutes for superior retroreflectivity.

Ride-on option:

Why walk when you can ride! Attach a Graco LineDriver to the Thermolazer and:

- Improve production
- Reduce fatigue
- Achieve higher line quality
- The industry's first ride-on compatible handliner

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- ✓ Ask a question and our experts will answer it.

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Graco ThermoLazer 200TC Thermoplastic Line Striper System w/ 4" FlexDie

\$7059



Newstripe 4250 Airless Striping Machine - 3000 PSI @ 0.34 GPM 5 gallons w/ Adjustable Pump - Push Type

\$2199



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Price Quantity Total



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\$1,180.00

\$1,180.00

EDIT

REMOVE

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Graco 24H430 ThermoLazer Accessory SmartDie II 12"

Add product protection for \$229

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\$2,530.00

\$2,530.00

EDIT

REMOVE

UPDATE



Graco ThermoLazer ProMelt

Complete System: with 6 in / 15 cm SmartDie II

REMOVE

\$18,029.00

\$18,029.00

EDIT

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Chat with us

Town of Braintree
Department of Public Works: Highway
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference H7

1. Department: DPW
 2. Sub-Department: Highway
 3. Date: 1/10/2022
 4. Contact Person: Benjamin Hulke
 5. Contact Title: Asst. Dir. of Public Works
 6. Phone: 781-794-8959
 7. Project Name: Skidsteer
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 1
 10. Purpose of Expenditure (check as appropriate):

- (v) Scheduled replacement
- (v) Replace worn-out equipment
- () Expanded service
- () Increased safety
- () Present equipment obsolete
- (v) Reduce personnel time
- () New operation
- (v) Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year: Year-round
 Average days per week: 4
 Estimated life in years: 20

	Per Unit	Total
12. Purchase Price		
Cost:	\$130,000	\$130,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$130,000	\$130,000

13. Replaced Equipment
 Item: 1996 Bobcat 763 H Skidsteer loader
 Make: Bob Cat 763-H
 Age: 26

14. Recommended disposal of Replaced Item(s):
 v Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A

16. Comments:

17. Submitted by: Benjamin Hulke
 Asst. Dir. of Public Works

18. Priority: 7

Pricing Proposal Form

GBPC|BAPERN GBPC 2019 Heavy and Medium Duty Public Works Construction Equipment

Proposal Due Date: Wednesday, April 26, 2019 at 4:00 p.m.

Pricing Type: Sale and Lease to Purchase

Respondent: Barry Equipment Co., Inc

Item #	Model Year	Manufacturer	Model/Item	Description	Unit Price
HD CTL	2019	ASV	RT-120 Forestry with Fecon BH74SS Bull Hog Mulcher	All Weather Cab with Lexan Door, Deluxe Instrument Panel, AM/FM Radio with MP3, Weatherband, & Speakers, ROPS/FOPS/OPS, 2 Forward Facing Lights / 2 Rear Facing Light, Fire Extinguisher, Backup Alarm, Lap Bar, Forestry Guarding Package, Maximum System Pressure (Low Flow): 3300 psi, Maximum System Pressure (High Flow): 4060 psi, Auxiliary Pump Low Flow: 20 gpm, Auxiliary Pump High Flow: 45 gpm, Hydraulic Quick Attach, Diesel 4-cylinder, Intercooled Turbo, Cummins QSF3.8, Gross Horsepower: 120 hp, Hydraulically Driven Auto-Reversing Fan, Track Width: 20", Attachment Control Kit, Radial Loader Arms, Block Heater, Backup Camera, 3" Seat Belt, Suspension Air Ride Seat, Beacon, 74" Dirt Bucket w/Bolt On Cutting Edge. BH74SS Bull Hog Mulcher Overall Width 74", Working Width 61", 24 - 45 gpm flow, FGT Rotor with Double Carbides	\$ 122,500

Rows 13, **Barry1, through 16, **Barry 4**, are included in the Proposed RT-120 Forestry with Fecon BH74SS Bull Hog Mulcher. Can deduct from Unit Price

Barry1	2019	ASV	2076-410	3" Seat Belt	\$ 39
Barry2	2019	ASV	3000-044	Suspension Air Ride Seat	\$ 475
Barry3	2019	ASV	0402-344	Beacon	\$ 164
Barry4	2019	ASV	0404-140	**74" Dirt Bucket w/ bolt on cutting edge (standard width bucket)	\$ 1,070
					\$ 124,248

**Town of Braintree
 Department of Public Works: Highway
 Capital Equipment Purchase Request Form
 Schedule G-1 Capital Equipment
 Fiscal Year 2022-Reference H8**

1. Department: DPW
 2. Sub-Department: Highway
 3. Date: 1/10/2022
 4. Contact Person: Benjamin Hulke
 5. Contact Title: Asst. Dir. of Public Works
 6. Phone: 781-794-8959
 7. Project Name: Material Screener
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- (v) Scheduled replacement
- (v) Replace worn-out equipment
- (v) Expanded service
- () Increased safety
- () Present equipment obsolete
- () Reduce personnel time
- () New operation
- () Improve procedures, record, etc.

11. Estimated Use of Requested Item

Days per year: Year-round
 Average days per week: 3-5
 Estimated life in years: 20

12. Purchase Price

	Per Unit	Total
Cost:	\$75,000	\$75,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$75,000	\$75,000

13. Replaced Equipment

Item: 1996 Material Screener
 Make: Read Screen-All
 Age: 26

14. Recommended disposal of Replaced Item(s):

- Sale
- Possible use by other departments
- Other (Trade-in)

15. Available Aid or Grants (specify):

N/A

16. Comments:

Replace 26 year old screener to save on material purchase costs.

17. Submitted by:

Benjamin Hulke
 Asst. Dir. of Public Works

18. Priority:

8

Pricing Proposal Form

GBPC | BAPERN GBPC 2019 Heavy and Medium Duty Public Works Construction Equipment - Sale, Sale and Lease to Purchase Options and/or Rental Options

Proposal Due Date: Wednesday, May 1, 2019 at 4:00 p.m.

Pricing Type: Sale and Lease to Purchase

Respondent: Northland JCB

Item #	Model Year	Manufacturer	Model/Item	Description	Unit Price
SCM-40	Most Current	Vibrotech	SCM-40	Vibroscreen Portable Screener	\$ 62,700.00
S-5/8 - 40	Most Current	Vibrotech	Flex-Mat 3 - 40	Type "S" - 5/8" Bottom Screen	\$ 1,687.00
D-3/4 - 40	Most Current	Vibrotech	Flex-Mat 3 - 40	Type "D" - 3/4" Bottom Screen	\$ 2,741.00
WP Ext - 40	Most Current	Vibrotech	WP Ext - 40	Wing Plate Extension	\$ 1,900.00
					\$ 69,028.00

Town of Braintree
Department of Public Works: Highway
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference H9

- 1. Department: DPW
- 2. Sub-Department: Highway
- 3. Date: 1/10/2022
- 4. Contact Person: Benjamin Hulke
- 5. Contact Title: Asst. Dir. of Public Works
- 6. Phone: 781-794-8959
- 7. Project Name: Security System / Cameras
- 8. Number of Units Requested: 1
- 9. Number of Similar Items in Inventory: 1
- 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item

Days per year: Year-round
Average days per week: 7
Estimated life in years: 15+

12. Purchase Price

	Per Unit	Total
Cost:	\$30,000	\$30,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$30,000	\$30,000

13. Replaced Equipment

Item:
Make:
Age:

14. Recommended disposal of Replaced Item(s):

- Sale
- Possible use by other departments
- Other (Trade-in)

15. Available Aid or Grants (specify):

N/A

16. Comments:

4 existing stationary security cameras

17. Submitted by:

Benjamin Hulke
Asst. Dir. of Public Works

18. Priority:

9

Schedule G-1 for Capital Equipment
Capital Equipment Purchase Request Form F/Y21

1. Department: Department of Public Works

2. Sub-Department: Highway

3. Date : 9/14/2020

4. Contact Person: Benjamin Hulke

5. Title: Asst. Dir. of Public Works

6. Phone: 781-794-8959

7. Project Name: Security System / Cameras

8. Number of Units Requested: 1 FY 20

9. Number of Similar Items in Inventory: 1

10. Purpose of Expenditure

(check as appropriate):

Scheduled Replacement

Present Equipment Obsolete

Replace Worn-out Equipment

Reduce Personnel Time

Expanded Service

New Operation

Increased Safety

Improve procedures, record, etc.

11. Estimated Use of Requested Item(s) per year:

Year Round

Estimated Useful Life in years: >15

Average days used per week: 7

Per Unit:

Purchase price or annual rental

\$30,000.00

Plus: Installation or other costs

Less: Trade-in, other discounts

Net: Purchase or annual rental

13. Replaced Equipment: 4 existing stationary security cameras

Item

Make

Age

Prior Year's

Maintenance Costs Breakdowns Rental Costs

14. Recommended disposal of Replaced Item(s):

Trade-in

Sale / Auction

Possible use by other departments

Other (please specify)

15. Available Aid or Grants (specify):

16. Comments: Upgraded / additional security cameras

17. Submitted by: Benjamin Hulke

Title: Asst. Dir. of Public Works

Date: 9/14/2020

18. Priority High

Department: DPW - Highway

Hulke, Benjamin

From: Kunz, Jeffrey
Sent: Friday, September 21, 2018 8:44 AM
To: Arsenault, James
Subject: FW: Cameras

FYI for capital

From: Welch, Mary
Sent: Monday, September 17, 2018 3:50 PM
To: Kunz, Jeffrey; McKenna, David
Subject: RE: Cameras

The license fee is a onetime charge. This fee allows us to have the camera loaded into the Lenel software for viewing and recording purposes.

The 245 Union street DPW yard quote came to \$17637.26. This included the 13387 for camera hardware, 2000 for cabling, and 2250 for licensing.

The camera hardware price included 3 fixed cameras with mounts included to be used to replace the 2 cameras at the gas pumps, as well as 1 camera on the back gate area. It also included 6 PTZ cameras that will be installed to cover the areas requested. The PTZ cameras can be manually adjusted. They do not follow motion, but by using multiple cameras we get the areas requested covered with overlap.

There may also be additional charges to get the network infrastructure at the DPW yard upgraded to support the camera install.

Any questions let me know.

From: Kunz, Jeffrey
Sent: Monday, September 17, 2018 8:10 AM
To: Welch, Mary <mwelch@beld.com>
Subject: FW: Cameras

Mary,

Can you answer Dave's questions through me please, as they'll pertain to all three properties? Also, is the license fee a one-time expense? Are there any annual expenses? Does BELD service the equipment (repairs and PM's)? Thanks,

Jeff

From: McKenna, David
Sent: Saturday, September 15, 2018 8:21 AM
To: Kunz, Jeffrey
Subject: RE: Cameras

Is the Licensing fee for the Property at 245 Union Street D.P.W. Yard Only?
Is it a yearly Fee or a onetime payment?

Does the licensing fee cover all the properties?

Regards
Dave

From: McKenna, David
Sent: Friday, September 14, 2018 1:47 PM
To: Kunz, Jeffrey
Subject: Re: Cameras

Perfect Beautification fund

Sent from my iPhone

On Sep 14, 2018, at 1:45 PM, Kunz, Jeffrey <jkunz@braintreema.gov> wrote:

The quote came in for Highway at \$9,413 (\$6413 for cameras, \$1,500 cabling and \$1,500 for the licensing). I reviewed with Jim (as there are multiple buildings in the quote) and it's your move if you can cover your costs, he said to proceed. Please let him know. Jeff

Town of Braintree
Department of Public Works: Highway
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference H10

- 1. Department: DPW
- 2. Sub-Department: Highway
- 3. Date: 1/10/2022
- 4. Contact Person: Benjamin Hulke
- 5. Contact Title: Asst. Dir. of Public Works
- 6. Phone: 781-794-8959
- 7. Project Name: Stainless Spreaders
- 8. Number of Units Requested: 4
- 9. Number of Similar Items in Inventory: 10

10. Purpose of Expenditure (check as appropriate):
- (v) Scheduled replacement
 - (v) Replace worn-out equipment
 - () Expanded service
 - (v) Increased safety
 - () Present equipment obsolete
 - () Reduce personnel time
 - () New operation
 - () Improve procedures, record, etc.

11. Estimated Use of Requested Item

Days per year: Winter Season
Average days per week: During Snow Conditions
Estimated life in years: 10-15

12. Purchase Price

	Per Unit	Total
Cost (Total includes cost increases in future years):	\$30,000	\$130,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$30,000	\$130,000

13. Replaced Equipment

Item:
Make:
Age:

14. Recommended disposal of Replaced Item(s):

- v Sale
- Possible use by other departments
- Other (Trade-in)

15. Available Aid or Grants (specify):

N/A

16. Comments:

Current Spreaders are aging and worn Scheduled Replacement preventing unexpected breakdowns

17. Submitted by:

Benjamin Hulke
Asst. Dir. of Public Works

18. Priority:

12

PRICING

GBPC / BAPERN GBPC 2021 AFTERMARKET PRICING

DESCRIPTION: AFTERMARKET PRICING - SUPPLIED AND INSTALLED

RESPONDENT: DONOVAN EQUIPMENT CO. INC.

<i>Item#</i>	<i>Manufacturer</i>	<i>Model</i>	<i>SNOW AND ICE MANAGEMENT PRODUCTS</i>	<i>Unit Price</i>
562	MONROE/FLINK	MSV120-LMC5H	10' HOPPER SPREADER DUMP BODY MOUNT - STAINLESS STEEL - 7 YARD	\$ 21,000.00
571		SPILL SHIELD	STAINLESS STEEL SPILL SHEILD ON SANDER - PRICE EACH	\$ 1,300.00
576		LIGHT BAR	STAINLESS LIGHT BAR WITH STROBES - STOP - TURN - TAIL	\$ 1,350.00
577	REED	SB-80-EV	TWIN 80 GALLON LIQUID TANKS - ELECTRIC OVER HYDRAULIC	\$ 4,800.00
423		OPTIONS	LED SPOT LIGHTS WITH SWITCH - PRICE EACH	\$ 250.00 \$ 500.00
				\$ 28,950.00

Town of Braintree
Department of Public Works: Highway
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference H11

- 1. Department: DPW
- 2. Sub-Department: Highway
- 3. Date: 1/10/2022
- 4. Contact Person: Benjamin Hulke
- 5. Contact Title: Asst. Dir. of Public Works
- 6. Phone: 781-794-8959
- 7. Project Name: Baker 11 foot plows
- 8. Number of Units Requested: 5
- 9. Number of Similar Items in Inventory: 14
- 10. Purpose of Expenditure (check as appropriate):

- (v) Scheduled replacement
- (v) Replace worn-out equipment
- () Expanded service
- (v) Increased safety
- () Present equipment obsolete
- () Reduce personnel time
- () New operation
- () Improve procedures, record, etc.

11. Estimated Use of Requested Item

Days per year: As Needed
Average days per week: 7
Estimated life in years: 10-15

12. Purchase Price

	Per Unit	Total
Cost (Total includes cost increases in future years):	\$17,000	\$87,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$17,000	\$87,000

13. Replaced Equipment

Item: Replace 4 Plows
Make: Baker/Flink
Age: 20

14. Recommended disposal of Replaced Item(s):

- v Sale
- Possible use by other departments
- Other (Trade-in)

15. Available Aid or Grants (specify):

N/A

16. Comments:

Replacement of old plows to reduce maintenance costs and down time

17. Submitted by:

Benjamin Hulke
Asst. Dir. of Public Works

18. Priority:

13

PRICING

GBPC / BAPERB GBPC 2021 AFTERMARKET PRICING

DESCRIPTION: AFTERMARKET PRICING - SUPPLIED AND INSTALLED

RESPONDENT: DONOVAN EQUIPMENT CO. INC.

<i>Item#</i>	<i>Manufacturer</i>	<i>Model</i>	SNOW AND ICE MANAGEMENT PRODUCTS		<i>Unit Price</i>
546	FLINK / BAKER	PR559U	10' POWER REVERSE TRIP EDGE PLOW		\$ 14,475.00
547	FLINK / BAKER	PR554U	11' POWER REVERSE TRIP EDGE PLOW		\$ 15,300.00
548	FLINK / BAKER	472	10' ONE WAY TRIP EDGE PLOW		\$ 10,750.00
549	FLINK / BAKER	475	11' ONE WAY TRIP EDGE PLOW		\$ 11,500.00
554		ATTACHMENTS	QUICK LINK		\$ 700.00
558		RUBBER DEFLECTOR	RUBBER DEFLECTOR FOR PLOW - PRICE PER FOOT	\$ 55.00	\$ 605.00
					\$ 16,605.00

Town of Braintree
Department of Public Works: Highway
Capital Improvement Project Request Form
Schedule G-2 Construction/Renovation
Fiscal Year 2022-Reference H12

- | | |
|---------------------------------------|--|
| 1. Department: | DPW |
| 2. Sub-Department: | Facilities |
| 3. Date: | 1/10/2022 |
| 4. Contact Person: | Benjamin Hulke |
| 5. Contact Title: | Asst. Dir. of Public Works |
| 6. Phone: | 781-794-8959 |
| 7. Project Name: | Vehicle & Equipment Outbuildings |
| 8. Costs: | \$300,000 |
| 9. Expenditure Schedule: | |
| FY22 | \$100,000 |
| FY23 | \$100,000 |
| FY24 | \$100,000 |
| FY25 | \$0 |
| FY26 | \$0 |
| 10. Planning & Design: | \$0 |
| 11. Site Improvement & Utilities: | |
| FY22 | \$0 |
| FY23 | \$0 |
| FY24 | \$0 |
| FY25 | \$0 |
| FY26 | \$0 |
| 12. Construction/renovation: | \$300,000 |
| 13. Other (Specify): | |
| 14. Cost Totals: | \$300,000 |
| 15. Available Aid or Grant (specify): | |
| 16. Description and Justification: | Needed to store all the items from Allen St. when sold |
| 17. Submitted by: | Benjamin Hulke
Asst. Dir. of Public Works |
| 18. Priority: | 1 |

Town of Wayland New Public Works Facility Frequently Asked Questions

1. What does the DPW do for the Community?

The DPW touches the lives of the residents every day by maintaining the Town's most vital infrastructure including roadways, bridges, water systems, storm water systems, traffic signs, parks, fields and much more. The Public Works profession has also been identified as a key first responder. The DPW is on call 24 hours a day to handle unexpected problems and emergencies including:

- Snow & ice storms
- Windstorm cleanup
- Removal of road hazards
- Cleanup after automotive accidents
- Flooding
- Pothole repair
- Street sign repair / replacement
- Support to other public safety departments

2. Why does the DPW need a new facility?

It has been documented for several years that the Town is in need of a new facility for the DPW to operate. The current facility, on Rte. 27, adjacent to the Middle School, was built in the 1930's and has significant physical problems, including structural issues, ventilation issues, and a long list of required repairs.

In addition, the current facilities are undersized and inefficient which impacts the level of service the DPW is able to provide to the community. The DPW responsibilities have increased significantly over the years along with the number of vehicles and pieces of equipment, but the facilities have not kept pace. The vehicle and equipment types and sizes have also changed significantly since the facility was constructed, making the current support spaces too small to efficiently and safely meet the needs of the DPW and the Town.

3. Can the existing facility be reused or updated to suit your needs?

As mentioned above the existing facility, which is approximately 13,000 SF and was constructed in the 1930's, is undersized and has numerous deficiencies that need to be addressed. The current facility has only one-third of the required vehicle storage space required to protect vehicles during the winter. In addition, undersized storage bays result in inefficient storage of equipment and unsafe working conditions, and there is insufficient space between parked vehicles for safe egress from the garage area. The stacked vehicle parking configuration that is needed due to space limitations impacts response times due to the need to move multiple vehicles to access a single vehicle located in the back. Tight storage conditions also contribute to unnecessary damage to vehicles.

The Town's Facilities Director has determined that the building has exceeded its useful life and has estimated that it will cost in excess of \$2 million in repairs and structural upgrades to allow the building to continue to be used beyond the next few years.

4. What does the current facility lack?

- The building has exceeded its useful life
- The building is undersized and cannot support the operations of the recently formed DPW
- The employee support spaces (locker/shower/toilet facilities, muster area, and training facilities) are undersized and inefficient to meet the basic needs of the DPW staff
- The air quality in the building is an issue for employees where there is inadequate separation of occupied spaces from equipment storage areas
- The current facility does not meet the operational needs of the DPW, given its size and configuration and the limitations it places on various operational requirements of the DPW
- The office space does not meet the departmental needs
- The vehicle wash area is located within the open garage area resulting in wash water permeating throughout the facility and contributing to an increased rate of deterioration of structural columns. Furthermore, the recycling system is undersized to handle the wash needs of the DPW.
- The facility is not equipped with proper vehicle lifts, and the maintenance bay areas do not have enough vertical clearance to support a vehicle lift.
- As mentioned above there are significant physical problems with the facility including structural issues.
- There is insufficient vehicle storage space.

5. What functions are proposed for the new facility and how many square feet?

	November 2014	April 2013
Administration Area –	2,749 SF	2,175 SF
Office/File Storage Space		
Conference Room		
Vestibule/Reception		
Employee Facilities –	3,513 SF	4,957 SF
Male/Female Locker Rooms		
Training/Multipurpose Room		
Storm Event Room		
Workshops and Material Storage	3,388 SF	2,529 SF
Highway Workshop		
Shared General Workshop		
Vehicle Maintenance	9,705 SF	6,429 SF

5 Vehicle Maintenance Bays
 Welding Bay
 Fluid Storage Room
 Maintenance/Tire Workshops
 Parts Storage Room

Vehicle Wash	1,680 SF	1,724 SF
Vehicle and Equipment Storage	24,838 SF	20,456 SF
Total	45,873 SF	38,270 SF

6. How big is the current facility?

Approximately 13,000 SF

7. Why does the DPW need more space than you currently have?

We currently lack space in the most critical of services we provide to the Town. Fleet maintenance bays are cramped and narrow, and do not have enough overhead clearance, and more bays are needed. Inventory that can be kept on hand at the facility is limited and effects the completion time on critical repairs. There is not enough room to store the Town’s multi-million dollar fleet inside. There is not a separate code compliant area to wash vehicles. The undersized muster room is the only place available for staff to meet, receive their daily work assignments, and conduct state mandated training, and there is not enough workshop space to efficiently conduct operations.

8. How many employees will work out of the new facility?

<i>Highway Workforce</i>	13
<i>Highway Administration</i>	1
<i>Landfill Workforce</i>	1
<i>Parks Workforce</i>	8
<i>Parks Administration</i>	1
<i>Water Workforce</i>	8*
	<i>32 Employees Total</i>

**Water employees will store their work truck at the new DPW and will operate out of the water treatment plant.*

9. How many vehicles and pieces of equipment does the DPW maintain?

The DPW maintains approximately 116 pieces of equipment. This total includes vehicles and large pieces of equipment, such as lawn mowers and construction equipment. This number does not include small equipment such as chain saws,

snow blowers, small lawn mowers, and other similar items, that are also maintained by the DPW.

10. How many DPW vehicle trips per day expected to and from the new facility?

In a non-storm event, normal operation of the DPW results in 20-30 department vehicle trips per day.

11. What is the basis for the cost of the Facility?

In 2012, Town Meeting reviewed a proposed facility budget of \$13 million. Today the project total is estimated at \$11.4 million. This reduction of approximately \$1.6 million was achieved through the work of the PMBC, DPW, and town employees. Over the past year this team reviewed all aspects of the facility, site work, access road and more. We reduced the program and cost of the project while still providing the town with a facility meeting the needs of the DPW for many years. Provided below is a breakdown of the project costs:

Building Construction and Site:	\$8,855,700
Roadway Improvements:	\$563,000
Roadway Drainage Improvements:	\$217,000
Soft Costs:	\$1,321,515
Project Contingency:	\$442,785
Total Project Cost:	\$11,400,000

- Notes: 1. Soft Costs Include:
- Architect and Engineering fees
 - Geotechnical, permitting, and environmental testing
 - Furnishings
 - Communication/low voltage Systems
 - Printing/advertisement fees
 - Testing during construction
 - Archeological fees

12. Can the facility be smaller?

Over the past year the PMBC (Permanent Municipal Building Committee), Building Facilities Director and designers have done extensive review of the program and design of the proposed building. That review had reduced the building square footage by over 16%. The proposed facility design meets the needs of the current DPW without excessive space or equipment needs.

13. Are there any functions that you can do without?

The functions that have been identified in the program are recommended to efficiently meet the current/future needs of the DPW, and are consistent with industry standards and what other communities are doing.

14. How long will this facility last?

Estimated life of the building is 50 years or more.

15. Will the facility include any “green” sustainable systems?

The design team, along with the PMBC has discussed many options for “green” or sustainable technologies and how they can be incorporated in the proposed facility.

The design includes the following “green” technologies:

- The building is designed with “southern” facing windows to maximize solar gain to the interior of the building.
- A wash water recycling system is designed in the building. This collects vehicle washing water and treats it and recycles it for future washing needs.
- Photo Voltaic Panels: The proposed design has accounted for a structural load to accommodate solar panels to the roof of the proposed facility should the town wish to pursue adding.
- Insulation and thermal barrier design has exceeded required codes.
- Energy recovery units are proposed to maximize air quality and utilize energy in the building.

16. Why do the vehicles need to be stored inside?

Below are examples of the negative impacts associated with vehicle storage in unheated spaces:

- Cold storage results in the fuel becoming more viscous. This contributes to no-start conditions as well as generates an excessive amount of exhaust due to incomplete combustion of the fuel source.
- Vehicle warm-up times will be increased dramatically resulting in an increase in non-productive labor. It is estimated that the warm-up time will be increased by 15 to 20 minutes per vehicle each day based on actual field tests.
- Any vehicle with a water source will need to be drained and filled each day resulting in an increase in non-productive labor.
- Condensate in the air tanks for the vehicle compressed air braking systems can potentially freeze requiring the tanks to be defrosted prior to operating.
- Cold storage results in the hydraulic oil becoming more viscous. This overstresses hydraulic pumps which in turn damages or reduces the life expectancy of the pumps.
- Increase in response times due to no start conditions and increased warm-up periods.
- Snow pack on vehicles will not melt. This requires vehicles to be “defrosted” before vehicles are placed back into service or before maintenance activities can be performed.
- Increase in operational costs.

18. How does the Wayland DPW compare to other DPWs?

Town	Size (sq.ft.)	Total Project Cost*	\$/sq.ft.
Bedford Public Works Facility(2002)	41,400	\$19.1M	\$461
Lexington Public Services Facility (2007)	78,000	\$32.3	\$414
Sudbury Public Works Facility(2003)	28,000	\$11.5M	\$411
Weston Public Works Facility (2009)	41,846	\$16.4M	\$391
Chatham Public Works Facility (2004)	28,900	\$9.6M	\$333
Wayland Public Works Facility(2013)	38,270	\$11.4M	\$298

* Escalated to 2013 based on results of actual bid prices for similar facilities

Construction Costs:

- Building Construction**
- Industrial Equipment**
- Roadway improvements**
- Site Development/Utilities**
- Construction Contingency**

Soft Costs:

- Printing and Advertisement**
- Architect and Engineering fees**
- Permitting, and Environmental testing**
- Testing during construction**
- Furnishings/communication systems**

17. What is the impact of the roadway from Route 20 on the DPW project?

The proposed roadway improvements are a part of the DPW project. The design for the roadway improvements is completed. Additional design funding is needed to incorporate requested maintenance, new drainage components and wetland mitigation from conservation commission. Costs for design and construction have been anticipated and included in the proposed project budget.

18. What is the length of the existing access road from Route 20 to proposed DPW facility?

The access road measures approximately ¾ of a mile.

19. Is the proposed DPW building in a flood plain?

No. To add, the design of the building does not include any sub grade levels that could experience ground water or flooding.

20. What about methane on the project site?

Methane is a naturally forming gas compound from the earth. Landfills, septic fields and sewage facilities among many others are all common producers of methane gas. It was anticipated that methane may be present due to the location next to the landfill. The building was designed and engineered with this fact in mind.

Monitoring wells have been installed on the property at the proposed location of the building. Currently no tests have shown presence of methane at the proposed site.

The building design has included several methane systems:

- Methane monitoring required by the contractor during construction
- Methane mitigation system: A network a piping under the building slab to transfer and safely dissipate methane into the air.
- Methane alarm system: Just as you have smoke detectors in your home, this building will be equipped with methane detectors to monitor levels and provide added safety.

21. Have projects like this been built near or on landfills?

Yes. In fact the exiting DPW facility is located on a landfill. Many projects have been successfully constructed on and around landfills.

22. What about potential artifacts or burial grounds in proposed work areas?

The Historic Commission and PMBC have worked together to identify areas of concern. We have estimated costs associated with proper review of potentially affected areas and include funds in budget to address concerns of Historic Commission.

23. What happens if artifacts or burial grounds are found?

The project design has an alternate to not affect these areas. Should investigation show historically sensitive artifacts in the potential areas they be avoided.

24. What is the status of town departments' review / approval of the project?

Town Selectmen	Approved
Conservation Commission	Approved
Planning Board	Approved
Board of Health	Approved
Building Department	Under review (awaiting contractor selection)

25. The project is in need of water line from Town of Sudbury, why is this?

During design development phase a flow test was done on the current Town of Wayland owned water line on River Road. The result of that test showed insufficient flow to support a code approved fire suppression system. The proposed budget includes costs to extend water line down River Road from Town of Sudbury and

water line work into River Road site. This line will be used for fire suppression system only. All other water needs will come from existing Town of Wayland water line on River Road.

26. What will happen to existing DPW building and land parcel?

Once construction is completed and the DPW relocates to new facility the property and building at 195 Main St. will return to the control of the town. At this time nothing has been planned for this site.

27. What is the overall construction schedule?

Exact schedules and durations will need to be produced after award to a contractor and commencement of construction. The estimated schedule has 14 month construction duration from commencement to completion. If approved we expect construction to commence by summer 2013.

28. What risks could face the town if the DPW project does not pass town vote?

There are many reasons provided in the Q and A as to why our DPW needs a new facility. IF the project does not pass the following challenges could be faced by the town:

- The DPW will still desperately need a new facility for proper working conditions.
- Immediate need of renovation work to existing building will be required. Early estimates on of work are expected to exceed \$2 million dollars.
- Town's investment of \$900,000 will be lost. New design funding will be needed for code alterations. Additional funding will be needed for another bid / proposal process for town meeting 2014.
- Construction costs can expect to increase by a minimum of 3-5%.
- Interest rates of lending to town are expected to increase.

29. What is the Permanent Municipal Building Committee?

The PMBC is appointed committee serving the town and selectman. It is a design review committee consisting of town resident volunteers. The committee consists of 7 members. Two members are also members of the board of public works. Two other members are also members of the high school building committee. Together the PMBC has a combined experience of over 150 years in construction, site development, real estate development, construction law, and facilities maintenance.

Town of Braintree
Department of Public Works: Highway
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference H13

1. Department: DPW
 2. Sub-Department: Highway
 3. Date: 1/10/2022
 4. Contact Person: Benjamin Hulke
 5. Contact Title: Asst. Dir. of Public Works
 6. Phone: 781-794-8959
 7. Project Name: Excavator with Mulching Head
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year: 8-12 months
 Average days per week: 5
 Estimated life in years: 20

12. Purchase Price	Per Unit	Total
Cost:	\$250,000	\$250,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$250,000	\$250,000

13. Replaced Equipment
 Item:
 Make:
 Age:

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A

16. Comments: Versatile piece of equipment. Needed to bring federally mandated sites up to maintenance standards. Use by multiple departments.

17. Submitted by: Benjamin Hulke
 Asst. Dir. of Public Works

18. Priority: 1

FAE Forestry Mulchers**UML HY VY Forestry Mulcher**

12116100	FAE	UML/HY-100 Universal forestry mulcher	Single Speed Motor	\$ 31,512.10
12116125	FAE	UML/HY-125 Universal forestry mulcher	Single Speed Motor	\$ 32,587.40
12116150	FAE	UML/HY-150 Universal forestry mulcher	Single Speed Motor	\$ 33,719.30
12150100	FAE	UML/HY-100 VT Universal forestry mulcher	Variable Speed Motor	\$ 35,677.49
12150125	FAE	UML/HY-125 VT Universal forestry mulcher	Variable Speed Motor	\$ 36,277.40
12150150	FAE	UML/HY-150 VT Universal forestry mulcher	Variable Speed Motor	\$ 37,828.10

Bite Limiter

D121177771-O	FAE	VT Motor Only	With rotor UML/ST-100 Ø220 Bite Limiter - hub L	\$ 1,041.81
D121177772-O	FAE	VT Motor Only	With rotor UML/ST-125 Ø220 Bite Limiter - hub L	\$ 1,198.89
D121177773-O	FAE	VT Motor Only	With rotor UML/ST-150 Ø220 Bite Limiter - hub L	\$ 1,434.51

Rotor equipped

112800071-O	FAE	With tooth-blade type C/3	to be multiplied for rotor teeth quantity	\$ 36.60
111530018-O	FAE	With tooth type C/3/HD	to be multiplied for rotor teeth quantity	\$ 42.69
112800083-O	FAE	With tooth type K	to be multiplied for rotor teeth quantity	\$ 30.63

Options

500000459-O	FAE	Customized attachment bracket UML/EX	Pin on - Pin grabber	\$ 3,349.50
500000462-O	FAE	Customized attachment bracket quick coupler style	special order quick coupler	CALL
600000177-O	FAE	Mechanical cylinder for U-FML/HY hood		-
600000417-O	FAE	Kit diverter valve 12V for U-FML/HY		\$ 1,022.18
600000418-O	FAE	Kit diverter valve 24V for U-FML/HY		\$ 1,059.14
400000029-O	FAE	Control box with two switches		\$ 381.15
400000012-O	FAE	Extension wiring diverter valve l=10m		\$ 149.00
400000015-O	FAE	Power Cable with cigarette lighter option		\$ 104.67
600000480-O	FAE	Customized setting hydraulic motor BYPY 65/32		-
600000349-O	FAE	Customized setting hydraulic motor Danfoss variable H1 80		-

Spare Parts

111530017-K	FAE	Tooth type C/3		\$ 114.35
111530018-K	FAE	Tooth type C/3/HD		\$ 154.08
112800093	FAE	Blade adaptor C/3		\$ 78.42
112800117	FAE	Blade type C/3	Need blade adaptor on first purchase or if worn	\$ 33.50
112800083-K	FAE	Tooth type K	Only used on type I rotor	\$ 159.97
112700004-K	FAE	Side scraper tooth type C/3/SS right		\$ 282.40
112700005-K	FAE	Side scraper tooth type C/3/SS left		\$ 282.40
D121175480	FAE	C/3 tooth fixing kit (bolt l=120)	composed by bolt, washer & nut	\$ 11.43
999999137	FAE	Bolt C/3 M20 x 1,5 x 120 12.9 black		\$ 8.70
921820006	FAE	Schnorr anti vibration washer Ø20 HS		\$ 5.69
910220102	FAE	High hex nut UNI 5587 M20 x 1,5 10 black		\$ 1.55
842159001	FAE	Belt XPB Gates Quad Power l=1590	for UML/HY - 5 belts per unit	\$ 59.48
891000446	FAE	Belt Poly-chain 14M-37 carbon volt l=1568	for UML/HY/VT - 1 belt per unit	\$ 553.25
500000459	FAE	Customized attachment bracket UML/EX	including blank plate and custom made ears	\$ 4,331.25
				\$ 40,608.65

FAE DML/HY Universal Mulcher

13200080	FAE	DML/HY-075 Universal mulcher for excavator		\$ 26,045.02
13200100	FAE	DML/HY-100 Universal mulcher for excavator		\$ 26,882.63
13200125	FAE	DML/HY-125 Universal mulcher for excavator		\$ 27,595.72
13206080	FAE	DML/HY-075 VT Universal mulcher for excavator		\$ 28,546.52
13206100	FAE	DML/HY-100 VT Universal mulcher for excavator		\$ 29,497.31
13206125	FAE	DML/HY-125 VT Universal mulcher for excavator		\$ 30,210.41

Options

500000458-O	FAE	Customized attachment bracket EX/LIGHT	Pin on - Pin grabber	\$ 2,887.50
500000462-O	FAE	Customized attachment bracket quick coupler style	special order quick coupler	CALL
112800081-O	FAE	With blade type E/HD		\$ 25.88
600000175-O	FAE	Hydraulic cylinder for rear hood DML/HY	Pos.1	\$ 561.33
600000176-O	FAE	Hydraulic cylinder for front hood DML/HY	Pos.2	\$ 561.33
600000180-O	FAE	Hydraulic drive for rear hood with diverter valve 12V DML/HY Hydraulic drive for front and rear hood with diverter valve 12V	Including above pos.1	\$ 1,288.98
600000181-O	FAE	DML/HY	Including above pos.1 and pos.2	\$ 2,156.39
600000194-O	FAE	Hydraulic drive for rear hood with diverter valve 24V	Including above pos.1	\$ 1,288.98
600000195-O	FAE	Hydraulic drive for front and rear hood with diverter valve 24V	Including above pos.1 and pos.2	\$ 2,156.39
400000012-O	FAE	Extension wiring diverter valve l=10m		\$ 149.00
400000015-O	FAE	Power cable with cigarette lighter option		\$ 104.25
400000029-O	FAE	Control box with 2 switches		\$ 381.15
600000447-O	FAE	Motor with extension shaft BYPY variable 65/32cc. for DML/HY	mech.variable displacement motor	\$ 851.24
600000479-O	FAE	Customized setting hydraulic motor BYPY 34/17		-

600000480-O	FAE	Customized setting hydraulic motor BYPY 65/32		-
		Customized setting hydraulic motor Rexroth variable 55 for		
600000442-O	FAE	DML/HY	to optimize the mulcher performance	
Spare Parts				
112800098	FAE	Blade type E		\$ 70.22
112800081	FAE	Blade type E/HD		\$ 94.59
901214062	FAE	Hex socket head cap bolt UNI 5932 M14 x 1,5 x 30 12.9 black		\$ 5.02
846005514	FAE	Belt XPB Gates Quad Power l=1450	4 belts per unit	\$ 68.05
500000458	FAE	Customized attachment bracket EX/LIGHT	including blank plate and custom made ears	\$ 3,234.00
				\$ 33,444.41
FAE UML/HY/RW				
12157125	FAE	UML/HY/RW-125 Universal forestry mulcher		\$ 29,497.31
12157150	FAE	UML/HY/RW-150 Universal forestry mulcher		\$ 29,893.48
	FAE	Rotor equipped		\$ -
112800071-O	FAE	With tooth-blade type C/3	to be multiplied for rotor teeth quantity	\$ 36.60
111530018-O	FAE	With tooth type C/3/HD	to be multiplied for rotor teeth quantity	\$ 42.69
Options				
500000459-O	FAE	Customized attachment bracket UML/EX	Pin on - Pin grabber	\$ 3,349.50
311162000-O	FAE	Attachment plate for excavator U-FML/HY		\$ 574.04
500000462-O	FAE	Customized attachment bracket quick coupler style	special order quick coupler	CALL
600000480-O	FAE	Customized setting hydraulic motor BYPY 65/32		-
Spare Parts				
111530017-K	FAE	Tooth type C/3		\$ 114.35
111530018-K	FAE	Tooth type C/3/HD		\$ 154.08
112800093	FAE	Blade adaptor C/3		\$ 78.42
112800117	FAE	Blade type C/3	Need adaptor on first purchase or if worn	\$ 33.50
112700004-K	FAE	Side scraper tooth type C/3/SS right		\$ 282.40
112700005-K	FAE	Side scraper tooth type C/3/SS left		\$ 282.40
D121175480	FAE	C/3 tooth fixing kit (bolt l=120)	composed by bolt, washer & nut	\$ 11.43
999999137	FAE	Bolt C/3 M20 x 1,5 x 120 12.9 black		\$ 8.70
921820006	FAE	Schnorr anti vibration washer Ø20 HS		\$ 5.69
910220102	FAE	High hex nut UNI 5587 M20 x 1,5 10 black		\$ 1.55
846005715	FAE	Belt XPB Gates Quad Power l=1500	4 belts per unit	\$ 66.71
D115073000	FAE	Chain flap section UMM/EX l=239		\$ 113.88
D115072990	FAE	Chain flap section UMM/EX l=334		\$ 156.04
900716103	FAE	Hex head set bolt UNI 5739 M16 x 50 10.9 zn		\$ 2.23
920116001	FAE	Flat washer UNI 6592 Ø16 zn		\$ 0.69
920716006	FAE	Spring washer UNI 9195 Ø16 zn		\$ 0.92
910616001	FAE	Nylock lock nut UNI 7473 M16 10 zn		\$ 1.40
500000459	FAE	Customized attachment bracket UML/EX	including blank plate and custom made ears	\$ 4,331.25
				\$ 34,224.73

Town of Braintree
Department of Public Works: Highway
Capital Improvement Project Request Form
Schedule G-2 Construction/Renovation
Fiscal Year 2022-Reference H14

- | | |
|---------------------------------------|----------------------------|
| 1. Department: | DPW |
| 2. Sub-Department: | Facilities |
| 3. Date: | 1/10/2022 |
| 4. Contact Person: | Benjamin Hulke |
| 5. Contact Title: | Asst. Dir. of Public Works |
| 6. Phone: | 781-794-8959 |
| 7. Project Name: | Grounds/Cemetery Building |
| 8. Costs: | \$120,000 |
| 9. Expenditure Schedule: | |
| FY22 | \$120,000 |
| FY23 | \$0 |
| FY24 | \$0 |
| FY25 | \$0 |
| FY26 | \$0 |
| 10. Planning & Design: | \$0 |
| 11. Site Improvement & Utilities: | |
| FY22 | \$0 |
| FY23 | \$0 |
| FY24 | \$0 |
| FY25 | \$0 |
| FY26 | \$0 |
| 12. Construction/renovation: | \$120,000 |
| 13. Other (Specify): | |
| 14. Cost Totals: | \$120,000 |
| 15. Available Aid or Grant (specify): | |
| 16. Description and Justification: | |

Grounds division was displaced with the implementation of the Facilities Division at the Union St address. A new location is required to allow for housing of personnel, equipment and supplies for Grounds and Cemetery daily operations. The new building would be a steel framed metal building with plumbing, heating and office space for Cemetery business. It would be located at the Plain St. Cemetery.

- | | |
|-------------------|--|
| 17. Submitted by: | Benjamin Hulke
Asst. Dir. of Public Works |
| 18. Priority: | 1 |

Schedule G-2 for Construction/Renovation
Capital Improvement Project Request Form

1. Department of Public Works

2. Sub-Department:

3. Date: 8/25/20

4. Contact Person: Benjamin Hulke

5. Title: Asst. Dir. Public Works

6. Phone: 781-794-8959

7. Project Name: Grounds/Cemetery Building

8. Costs: 120,000.00

9. Expenditure Schedule:

FY21

120,000.00

10. Planning & Design:

11. Site Improvement & Utilities:

12. Construction/renovation:

120,000.00

13. Other (Specify):

14. Cost Totals:

15. Available Aid or Grant (specify):

16. Description and Justification:

Grounds division was displaced with the implementation of the Facilities Division at the Union St address. A new location is required to allow for housing of personell, equipment and supplies for Grounds and Cemetery daily operations. The new building would be a steel framed metal building with plumbing, heating and office space for Cemetery business. It would be located at the Plain St. Cemetery.

17. Submitted by: Benjamin Hulke Title: Asst. Dir. Public Works Date: 8/25/20

18. Priority: High



QUOTE REQUEST

CLIENT INFORMATION

Client Name

Russell Forsberg

rforberg@braintreema.gov

(781) 794 8073

Building Address

STREET ADDRESS

Braintree

Massachu ZIPCODE

BUILDING DETAILS

DIMENSIONS

60	x	60	x	20	2/12
Width		Length		Height	Pitch

OPENINGS

(2) 3x3	NA	(3) 16x16 Roll	NA
(1) 3x7		Up Doors	
		(1) 3x3	

LEW	PEW	FSW	BSW
-----	-----	-----	-----

ALLIED INFORMATION

Account Coordinator

Danny Czaplinski

dczaplinski@alliedbuildings.com

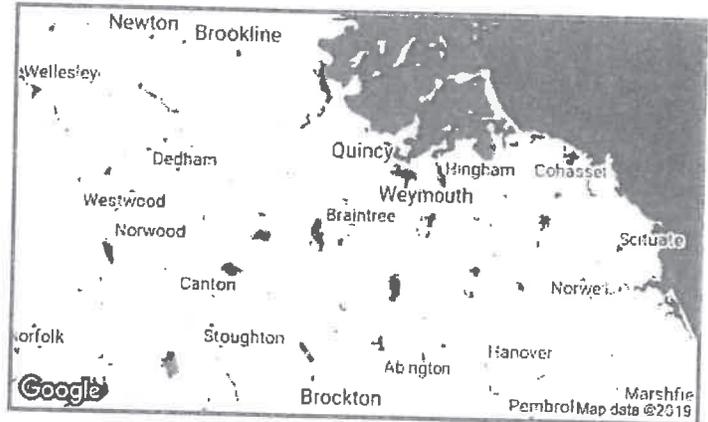
+1 (954) 590 4942

Dedicated Project Manager

PROJECT MANAGER

Cell

+1 (888) 864 8666



WHAT DO I GET?

- Commercial solid red iron I-beam frames, rafters, and end wall post
- All necessary roof purlins and wall girts
- Complete trim package
- All necessary hardware, nuts, bolts and self-drilling screws
- Heavy Industrial Rod Bracing & Closure Strips included
- Base closures for weather tightness
- 3 sets of Stamped certified engineered drawings **guaranteed** to meet or exceed all municipal/ local codes
- Pre-welded clips for easy erection, all pre-cut & pre-drilled
- Allied's **Sun Guard paneling** (energy star rated) for side and end wall sheeting
- Carbon steel Fasteners with a lifetime warranty
- Dedicated project manager
- A 40 year finish warranty on panels
- Weather Lock roof system, 80k psi including all washers and mastics
- 23 regional shipping distribution points for fast efficient delivery

ASK ABOUT OUR 3 WEEK EXPRESS PACKAGE

FACTORY CERTIFICATIONS



BUILDING COST

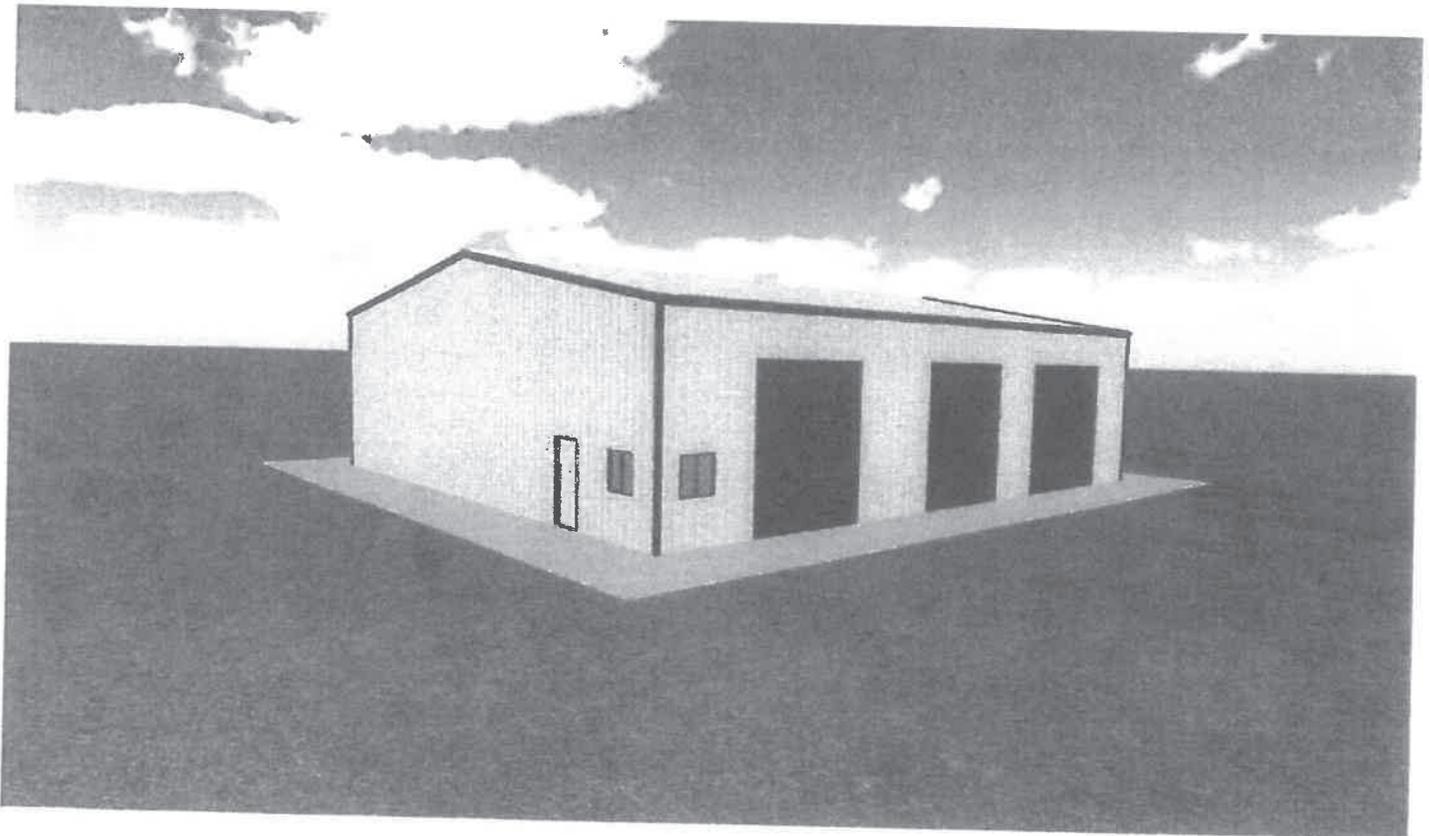
\$49,440.00 (Valid for 14 days)



ADDITIONAL NOTES

- Commercial Solid Red Iron I-Beam Frames, Rafters, and End Wall Post
- Pre-welded clips for Easy Erection All Pre-Cut & Pre-Drilled
- All necessary Roof Purlins and Wall Girts
- Roof sheeting shall be Allied Steel's Weather Lok roof system 26 gauge Galvalume Steel 80,000psi all Washers & Mastic included
- Side wall and End wall sheeting shall be Allied Steel's Sun Guard wall panel 26 gauge (energy star rated)
- Carbon Steel Fasteners with a lifetime warranty
- All necessary hardware, nuts, bolts and self drilling screws
- Heavy Industrial Rod Bracing & Closure Strips included
- 30 year finish warranty on panels
- Base closures for weather tightness
- Complete Custom Trim package for Entire Building
- (3) Sets of Erection Drawings for Construction, Stamped and Sealed

* Windows are by others



Schedule G-2 for Construction/Renovation
Capital Improvement Project Request Form

1. Department of Public Works

2. Sub-Department:

3. Date: 11/19/19

4. Contact Person: Benjamin Hulke

5. Title: Asst. Dir. Public Works

6. Phone: 781-794-8959

7. Project Name: Grounds/Cemetery Building

8. Costs: 120,000.00

9. Expenditure Schedule:

FY20

120,000.00

10. Planning & Design:

11. Site Improvement & Utilities:

12. Construction/renovation:

120,000.00

13. Other (Specify):

14. Cost Totals:

15. Available Aid or Grant (specify):

16. Description and Justification:

Grounds division was displaced with the implementation of the Facilities Division at the Union St address. A new location is required to allow for housing of personell, equipment and supplies for Grounds and Cemetery daily operations. The new building would be a steel framed metal building with plumbing, heating and office space for Cemetery business. It would be located at the Plain St. Cemetery.

17. Submitted by: Benjamin Hulke Title: Asst. Dir. Public Works Date: 11/19/19

18. Priority: High

Town of Braintree
Department of Public Works: Highway
Capital Improvement Project Request Form
Schedule G-2 Construction/Renovation
Fiscal Year 2022-Reference H15

- | | |
|---------------------------------------|---|
| 1. Department: | DPW |
| 2. Sub-Department: | Facilities |
| 3. Date: | 1/10/2022 |
| 4. Contact Person: | Benjamin Hulke |
| 5. Contact Title: | Asst. Dir. of Public Works |
| 6. Phone: | 781-794-8959 |
| 7. Project Name: | ADA Improvements |
| 8. Costs: | \$30,000 |
| 9. Expenditure Schedule: | |
| FY22 | \$40,000 |
| FY23 | \$15,000 |
| FY24 | \$0 |
| FY25 | \$0 |
| FY26 | \$0 |
| 10. Planning & Design: | \$0 |
| 11. Site Improvement & Utilities: | |
| FY22 | \$0 |
| FY23 | \$0 |
| FY24 | \$0 |
| FY25 | \$0 |
| FY26 | \$0 |
| 12. Construction/renovation: | \$30,000 |
| 13. Other (Specify): | |
| 14. Cost Totals: | \$30,000 |
| 15. Available Aid or Grant (specify): | |
| 16. Description and Justification: | Installation of ADA improvements at multiple park locations throughout town to meet ADA accessibility requirements. |
| 17. Submitted by: | Benjamin Hulke
Asst. Dir. of Public Works |
| 18. Priority: | 1 |

Town of Braintree
Department of Public Works: Highway
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference H16

1. Department: DPW
 2. Sub-Department: Highway
 3. Date: 1/10/2022
 4. Contact Person: Benjamin Hulke
 5. Contact Title: Asst. Dir. of Public Works
 6. Phone: 781-794-8959
 7. Project Name: Frontline Foreman Trucks
 8. Number of Units Requested: 2
 9. Number of Similar Items in Inventory: 6
 10. Purpose of Expenditure (check as appropriate):

- (v) Scheduled replacement
- (v) Replace worn-out equipment
- () Expanded service
- () Increased safety
- () Present equipment obsolete
- () Reduce personnel time
- () New operation
- () Improve procedures, record, etc.

11. Estimated Use of Requested Item

Days per year: Year-round
 Average days per week: 5
 Estimated life in years: 10-15

12. Purchase Price

	Per Unit	Total
Cost:	\$65,000	\$130,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$65,000	\$130,000

13. Replaced Equipment

Item: Replace 2 Plows
 Make: 2002 Ford Heavy Duty Truck 4x4 with plow
 Age: 20
 Make: 1999 Ford F350 Heavy Duty Truck
 Age: 23

14. Recommended disposal of Replaced Item(s):

- ___ Sale
- ___ Possible use by other departments
- ___v_ Other (Trade-in)

15. Available Aid or Grants (specify):

N/A

16. Comments:

Foreman Trucks will be replaced into fleet.

17. Submitted by:

Benjamin Hulke
 Asst. Dir. of Public Works

18. Priority:

14



Estimate

Date: 10/11/2021
 Estimate# BPWD10112021
 Customer ID:

To: Braintree Public Works
 Attn: Ben Hulke
 85 Quincy Avenue
 Braintree, MA 02184

REVISED

Salesperson: Paul G King
 508-918-2210

GBPC/BAPERN Contract

Qty	Item #	Description	Unit Price	Line Total
		2022 Ford Super Duty F-350 SRW (X3B) XL 4WD SuperCab 8' Box		\$ 34,302.00
	Z1	EXTERIOR COLOR: Oxford White		\$
	996	Engine: 6.2L 2-Valve SOHC EFI NA V8 Flex-Fuel		\$
	44G	Transmission: TorqShift 10-Speed Automatic-inc: SelectShift and selectable drive modes: normal, tow/haul, eco, deep sand/snow and slippery		\$
	610A	OPTION PACKAGE: Order Code 610A		\$
		Gross Vehicle Weight Rating: 10,800 Lbs		\$
		Gross Combined Weight Rating: 19,500 Lbs		\$
	AS	Medium Earth Gray, HD Vinyl 40/20/40 Split Bench Seat-inc: center armrest, cupholder, storage and driver's side manual lumbar		\$
	64A	Wheels: 17" Argent Painted Steel -inc: painted hub covers/center ornaments		\$ -
	TBM	Tires: LT245/75R17E BSW A/T (4)-inc: Spare may not be the same as road tire	\$ 165.00	\$ 160.05
	X3E	Electronic-Locking w/3.73 Axle Ratio	\$ 390.00	\$ 378.30
	90L	Power Equipment Group-inc: Deletes passenger-side lock cylinder, upgraded door trim panel, Accessory Delay, Advanced Security Pack, SecuriLock Passive Anti-Theft System (PATS) and inclination/intrusion sensors, Power Locks, Remote Keyless Entry, Trailer Tow Mirrors w/Power Heated Glass, manual folding, manually telescoping, heated convex spotter mirror and integrated clearance lamps/turn signals, Power Front & Rear Seat Windows, 1-touch up/down driver/passenger window, Power Tailgate Lock	\$ 915.00	\$ 887.55
	17X	FX4 Off-Road Package-inc: Hill Descent Control, Off-Road Specifically Tuned Shock Absorbers, front/rear, Transfer Case & Fuel Tank Skid Plates, Unique FX4 Off-Road Box Decal	\$ 400.00	\$ 388.00
	96V	XL Value Package-inc: Bright Chrome Hub Covers & Center Ornaments, Steering Wheel-Mounted Cruise Control, Chrome Front Bumper, Chrome Rear Step Bumper	\$ 395.00	\$ 383.15
	473	Snow Plow Prep Package - Dual battery (86M) recommended w/6.2L or 7.3L gasoline engines	\$ 250.00	\$ 242.50
	67E	240 Amp Alternator	\$ 85.00	\$ 82.45
	86M	Dual 78 AH Battery	\$ 210.00	\$ 203.70

52B	Trailer Brake Controller-inc: Verified to be compatible w/select electric over hydraulic brakes, smart trailer tow connector	\$ 270.00	\$ 261.90
41P	Transfer Case & Fuel Tank Skid Plates	INC	INC
61S/62S	Front & Rear Splash Guards/Mud Flaps	\$ 130.00	\$ 126.10
18B	Platform Running Boards	\$ 445.00	\$ 431.65
66L	LED Box Lighting-inc: LED Center High-Mounted Stop Lamp	\$ 60.00	\$ 58.20
592	LED Roof Clearance Lights	\$ 95.00	\$ 92.15
85S	Tough Bed Spray-In Bedliner-inc: tailgate-guard, black box bed tie-down hooks and black bed attachment bolts	\$ 595.00	\$ 577.15
61N	Front & Rear Wheel Well Liners	\$ 325.00	\$ 315.25
19J	Matte Black Aluminum Crossbed Toolbox - inc: Model #127-52-03 by Weather Guard	\$ 950.00	\$ 921.50
66S	Upfitter Switches (6) -inc: Located in overhead console	\$ 165.00	\$ 160.05
43C	110V/400W Outlet-inc: 1 in-dash mounted outlet	\$ 175.00	\$ 169.75
	THE REMAINING STANDARD EQUIPMENT AS SHOWN IN CHROME DATA REPORT		\$ -
	Whelen Vertex Super-LED Hide-A-Way, Amber LED Mounted on the Grille		\$ 375.00
	Whelen Vertex Super-LED Hide-A-Way, Amber LED Mounted in Reverse Light Housing		\$ 375.00
	Whelen Light Bar: Full W/Alley And Takedowns		\$ 2,250.00
	Weathergard Drivers Side Lo-Profile Tool Box		\$ 725.00
	Weathergard Passenger Side Lo-Profile Tool Box		\$ 725.00
	9 Ft Fisher HD2 Snow Plow Package		\$ 8,287.50
	Tommygate Left Gate - STD Pickup Capacity 1,300 Lbs		\$ 4,335.00
	Adrian Steel Cross Body Tool Box		\$ 1,010.00
	Graphic Package		\$ 395.00
			\$
	PLEASE NOTE THAT PRICING IS BASED ON CURRENT CONTRACT PRICING THAT EXPIRES 9-30-22, VEHICLE MUST BE ORDERED PRIOR TO THIS DATE OR PRICING MY CHANGE		\$ -
			\$ -

Special Instructions:

Custom or Special Orders are Non-Refundable
 This Estimate is for Budgetary Purposes and is Not a Guarantee of Cost for Services.
 Estimate is Based on Current Information From Client About the Project Requirments
 Actual Cost May Change Once Project Elements are Finalized

Vehicle Subtotal

Upfit Subtotal

Grand Total

\$58,618.90

McGovern Municipal 1200 Worcester Road, Framingham MA 01702

Town of Braintree
Department of Public Works: Highway
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference H17

- 1. Department: DPW
- 2. Sub-Department: Highway
- 3. Date: 1/10/2022
- 4. Contact Person: Benjamin Hulke
- 5. Contact Title: Asst. Dir. of Public Works
- 6. Phone: 781-794-8959
- 7. Project Name: 550 Style Dump Truck with plow and Sander
- 8. Number of Units Requested: 2
- 9. Number of Similar Items in Inventory: 3
- 10. Purpose of Expenditure (check as appropriate):

- (v) Scheduled replacement
- (v) Replace worn-out equipment
- () Expanded service
- (v) Increased safety
- () Present equipment obsolete
- () Reduce personnel time
- () New operation
- () Improve procedures, record, etc.

11. Estimated Use of Requested Item

Days per year: Year-round
Average days per week: 5
Estimated life in years: 15

12. Purchase Price

	Per Unit	Total
Cost (Total includes cost increases in future years):	\$85,000	\$175,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$85,000	\$175,000

13. Replaced Equipment

Item: #30 2000 Paint truck
Make: Ford F350 Rack Body
Age: 22

14. Recommended disposal of Replaced Item(s):

- v Sale
- ___ Possible use by other departments
- ___ Other (Trade-in)

15. Available Aid or Grants (specify):

N/A

16. Comments:

17. Submitted by:

Benjamin Hulke
Asst. Dir. of Public Works

18. Priority:

15



Estimate

Date: 10/11/2021
 Estimate# BPW1011201
 Customer ID:

To: Braintree Public Works
 Attn: Ben Hulke
 85 Quincy Avenue
 Braintree, MA 02184

REVISED

Salesperson: Paul G King
 508-918-2210

GBPC/BAPERN Contract

Qty	Item #	Description	Unit Price	Line Total
		2022 Ford Super Duty F-550 DRW (F5H) XL 4WD Reg Cab 145" WB 60" CA		\$ 39,002.00
	Z1	EXTERIOR COLOR: Oxford White		\$
	99N	Engine: 7.3L 2V DEVCT NA PFI V8 Gas		\$
	44G	Transmission: TorqShift 10-Speed Automatic-inc: 10R140 w/neutral idle and selectable drive modes: normal, tow/haul, eco, deep sand/snow and slippery		\$
	660A	OPTION PACKAGE: Order Code 660A		\$
		Gross Vehicle Weight Rating: 19,000 Lbs		\$ -
		Gross Combined Weight Rating: 28,000 Lbs		\$ -
	AS	Medium Earth Gray, HD Vinyl 40/20/40 Split Bench Seat-inc: center armrest, cupholder, storage and driver's side manual lumbar		\$ -
	X8L	Limited Slip w/4.88 Axle Ratio	\$ 360.00	\$ 349.20
	TGM	Tires: 225/70Rx19.5G BSW Traction-inc: 4 traction tires on the rear and 2 A/P tires on the front	\$ 190.00	\$ 184.30
	17F	XL Decor Group (Requires valid FIN code.)-inc: Chrome Front Bumper	INC	INC
	96V	XL Value Package-inc: XL Decor Group, Chrome Front Bumper, Steering Wheel-Mounted Cruise Control	\$ 395.00	\$ 383.15
	90L	Power Equipment Group-inc: Deletes passenger side lock cylinder, upgraded door-trim panel, Accessory Delay, Advanced Security Pack, SecuriLock Passive Anti-Theft System (PATS) and inclination/intrusion sensors, MyKey, owner controls feature, Power Locks, Remote Keyless Entry, Folding Trailer Tow Mirrors w/Power Heated Glass, manual telescoping, heated convex spotter mirror and integrated clearance lamps/turn signals, Power Front Side Windows, 1-touch up/down driver/passenger window	\$ 915.00	\$ 887.55
	63A	Utility Lighting System-inc: LED side-mirror spotlights	\$ 160.00	\$ 155.20
	473	Snow Plow Prep Package - Highly recommended to add (86M) dual battery on 7.3L gas engines,	\$ 250.00	\$ 242.50
	67B	397 Amp Alternators	\$ 115.00	\$ 111.55
	86M	Dual 78 AH Battery	\$ 210.00	\$ 203.70
	62R	Transmission Power Take-Off Provision-inc: mobile and stationary PTO modes	\$ 280.00	\$ 271.60
	52B	Trailer Brake Controller-inc: smart trailer tow connector, Verified to be compatible w/electronic actuated drum brakes only	\$ 270.00	\$ 261.90

41P	Transfer Case Skid Plates	\$ 100.00	\$ 7.00
68U	GVWR: 19,000 lbs Payload Upgrade Package-inc: upgraded frame and upgraded rear-axle	\$ 815.00	\$ 787.65
512	Spare Tire, Wheel & Jack	\$ 350.00	\$ 339.50
18B	Platform Running Boards	\$ 320.00	\$ 310.40
61L	Front Wheel Well Liners	\$ 180.00	\$ 475.69
525	Steering Wheel-Mounted Cruise Control	INC	INC
872	Rear View Camera & Prep Kit-inc: Pre-installed content includes cab wiring and frame wiring to the rear most cross member, Upfitters kit includes camera w/mounting bracket, 20' jumper wire and camera mounting/aiming instructions	\$ 415.00	\$ 402.55
	THE REMAINING STANDARD EQUIPMENT AS SHOWN IN CHROME DATA REPORT		\$ -
	9 Ft Easterner STAINLESS 2 - 3 CuYd with Electric Hoist		\$ 29,231.75
	Upgrade to Central Hydraulics - Dump & Plow		\$ -
	Canvas Cover - Manual		\$ -
	1/2" Reinforced Plate w/ D-Rings, Light Plug - Slide in Pintle Ball Combo		\$ -
	Mount OEM Factory Rear View Camera		\$ -
	Whelen (2) LED Vertex hideaway system, model # VTX609-2* (Pair) Amber LED Lights Mounted on Grille		\$ 375.00
	SoundOff Signal mPower 4" Fascia Quick/Stud/Screw Mount Light - 8 LED Single Color EMPS2QM/ST/SMS3(x) (Pair) - Mounted on Front of Cabshield		\$ 370.00
	SoundOff Signal mPower 4" Fascia Quick/Stud/Screw Mount Light - 8 LED Single Color EMPS2QM/ST/SMS3(x) (Pair) - One Mounted on Each Side of Cabshield		\$ 370.00
	Whelen (2) LED Vertex hideaway system, model # VTX609-2* (Pair) Amber LED Lights Mounted on Rear of Dump Body		\$ 375.00
	Graphic Package		\$ 495.00
	OPTIONS NOT INCLUDED IN PRICING SHOWN - IF ADDED COST OF EACH OPTION NEEDS TO BE ADDED TO BOTTOM LINE PRICING SHOWN		\$
	UPGRADE CENTRAL HYDRAULICS TO DUMP, PLOW & SANDER - ADD \$2,040.00		\$
	9 FT HIWAY MATERIAL SPREADER 2.0 CuYd STAINLESS STEEL HYDRAULIC - ADD \$11,730.00		\$
	PLEASE NOTE THAT PRICING IS BASED ON CURRENT CONTRACT PRICING THAT EXPIRES 9-30-22, VEHICLE MUST BE ORDERED PRIOR TO THIS DATE OR PRICING MY CHANGE		\$ -

Special Instructions:

Custom or Special Orders are Non-Refundable

This Estimate is for Budgetary Purposes and is Not a Guarantee of Cost for Services.

Estimate is Based on Current Information From Client About the Project Requirements

Actual Cost May Change Once Project Elements are Finalized

Vehicle Subtotal**Upfit Subtotal****Grand Total****\$75,592.19****McGovern Municipal 1200 Worcester Road, Framingham MA 01702**

Town of Braintree
Department of Public Works: Highway
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference H18

1. Department: DPW
 2. Sub-Department: Highway
 3. Date: 1/10/2022
 4. Contact Person: Benjamin Hulke
 5. Contact Title: Asst. Dir. of Public Works
 6. Phone: 781-794-8959
 7. Project Name: Brush Grinder Head for Excavator
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year: 8-12 months
 Average days per week: 5
 Estimated life in years: 20

12. Purchase Price	Per Unit	Total
Cost:	\$42,000	\$42,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$42,000	\$42,000

13. Replaced Equipment
 Item:
 Make:
 Age:

14. Recommended disposal of Replaced Item(s):
 Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify): N/A

16. Comments: Versatile piece of equipment. Needed to bring federally mandated sites up to maintenance standards. Use by multiple departments.

17. Submitted by: Benjamin Hulke
 Asst. Dir. of Public Works

18. Priority: 1

**Town of Braintree
 Department of Public Works: Highway
 Capital Equipment Purchase Request Form
 Schedule G-1 Capital Equipment
 Fiscal Year 2022-Reference H19**

1. Department: DPW
 2. Sub-Department: Highway
 3. Date: 1/10/2022
 4. Contact Person: Benjamin Hulke
 5. Contact Title: Asst. Dir. of Public Works
 6. Phone: 781-794-8959
 7. Project Name: Elgin Street Sweeper
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 2
 10. Purpose of Expenditure (check as appropriate):

- (v) Scheduled replacement
- (v) Replace worn-out equipment
- () Expanded service
- (v) Increased safety
- () Present equipment obsolete
- () Reduce personnel time
- () New operation
- () Improve procedures, record, etc.

11. Estimated Use of Requested Item
 Days per year: Seasonal
 Average days per week: 5
 Estimated life in years: 10

12. Purchase Price	Per Unit	Total
Cost:	\$255,000	\$255,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$255,000	\$255,000

13. Replaced Equipment
 Item:
 Make: 2008 Elgin Street Sweeper
 Age: 12

14. Recommended disposal of Replaced Item(s):
 ___ Sale
 ___ Possible use by other departments
 v Other (Trade-in)

15. Available Aid or Grants (specify): N/A

16. Comments: Daily and Yearly wear on mechanical parts are costly Sweeper changes every few years making parts not interchangeable and expensive

17. Submitted by: Benjamin Hulke
 Asst. Dir. of Public Works

18. Priority: 1

Schedule G-1 for Capital Equipment
Capital Equipment Purchase Request Form FY 24

1. Department: Department of Public Works

2. Sub-Department: Highway

3. Date : 9/8/2020

4. Contact Person: Benjamin Hulke

5. Title: Asst. Dir. of Public Works

6. Phone: 781-794-8959

7. Project Name: ELGIN STREET SWEEPER

8. Number of Units Requested: 1 FY 24 - 1 FY 28

9. Number of Similar Items in Inventory: 2

10. Purpose of Expenditure

(check as appropriate):

(X) Scheduled Replacement

() Present Equipment Obsolete

(X) Replace Worn-out Equipment

() Reduce Personnel Time

() Expanded Service

() New Operation

(X) Increased Safety

() Improve procedures, record, etc.

11. Estimated Use of Requested Item(s) per year:

9 MONTHS a Year - Longer when weather permits

Estimated Useful Life in years: 10

Average days used per week: 5

Per Unit:

Purchase price or annual rental	_____	\$250,000.00
Plus: Installation or other costs	_____	\$0.00
Less: Trade-in, other discounts	_____	\$0.00
Net: Purchase or annual rental	_____	\$250,000.00

13. Replaced Equipment:

Item 2012 Elgin Street Sweeper

Make 2012

Age 12

Prior Year's

Maintenance Costs Breakdowns Rental Costs

14. Recommended disposal of Replaced Item(s):

____ Trade-in

X Sale / Auction / Auction

____ Possible use by other departments

____ Other (please specify)

15. Available Aid or Grants (specify):

16. Comments: Daily and Yearly wear on mechanical parts are costly Sweeper changes every few years making parts not Interchangeable and expensive

17. Submitted by: Benjamin Hulke

Title: Asst. Dir. of Public Works

Date: 9/8/2020

18. Priority High

Department: DPW - Highway



25A Bernhard Rd
New Haven, CT 06513
Phone: 203-848-6735

200 Merrimac Street
Woburn, MA 01801
Phone: 781-935-1919

102 State Road
Whately, MA 01093
Phone: 413-665-7009

60 Shun Pike Road
Johnston, RI 02919
Phone: 401-942-9191

140 Wales Ave
Avon, MA 02322
Phone: 508-584-8484

84B Warren Avenue
Westbrook, ME 04092
Phone: 207-854-0615

Ship To: TOWN OF BRAINTREE
245 UNION STREET
BRAINTREE, MA 02184

Invoice To: TOWN OF BRAINTREE - HWY DEPT
1 JFK MEMORIAL DRIVE
BRAINTREE MA 02184

Branch 01 - WOBURN 0102		
Date 08/31/2020	Time 14:32:16 (O)	Page 1
Account No BRAIN001	Phone No 7817948950	Inv No 00 E00002
Ship Via	Purchase Order	
Tax ID No		
RUSSELL, STEPHEN M.		Salesperson 010 / 010

EQUIPMENT INVOICE

Description	Amount
Stock #: EG2313 Serial #: NP-41992	241120.00
New 2020 EG PELICAN NP 2020 ELGIN PELICAN NP DUAL SWEEPER EXTENDED WARRANTY - 5 YEARS PARTS & LABOR ROOF CORNER FLASHERS W/ LED STOP/TAIL/TURN LIGHTS	

Subtotal: 241120.00
CHARGE SALE: 241120.00

JG 8/31
THANK YOU FOR YOUR BUSINESS, IT IS GREATLY APPRECIATED.

Copy

X 
Received By

Town of Braintree
Department of Public Works: Highway
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference H20

- 1. Department: DPW
- 2. Sub-Department: Highway
- 3. Date: 1/10/2022
- 4. Contact Person: Benjamin Hulke
- 5. Contact Title: Asst. Dir. of Public Works
- 6. Phone: 781-794-8959
- 7. Project Name: Compressor Trailer
- 8. Number of Units Requested: 1
- 9. Number of Similar Items in Inventory: 2
- 10. Purpose of Expenditure (check as appropriate):

- (v) Scheduled replacement
- (v) Replace worn-out equipment
- () Expanded service
- (v) Increased safety
- () Present equipment obsolete
- () Reduce personnel time
- () New operation
- () Improve procedures, record, etc.

11. Estimated Use of Requested Item

Days per year: Year Round
Average days per week: 5
Estimated life in years: 10

12. Purchase Price

	Per Unit	Total
Cost:	\$25,000	\$25,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$25,000	\$25,000

13. Replaced Equipment

Item:
Make: 2007 Airman Compressor
Age: 15

14. Recommended disposal of Replaced Item(s):

- ___ Sale
- ___ Possible use by other departments
- v Other (Trade-in)

15. Available Aid or Grants (specify):

N/A

16. Comments:

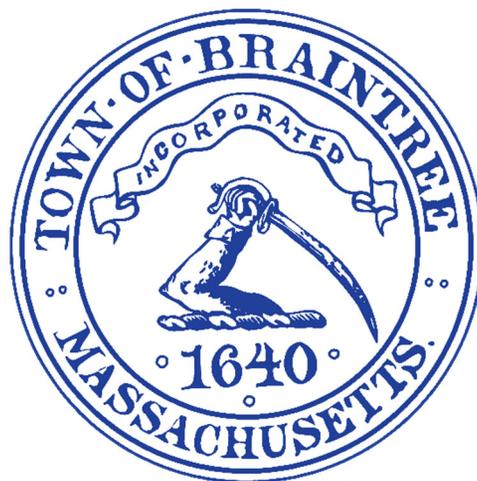
Daily and Yearly wear on mechanical parts are costly Sweeper changes every few years making parts not interchangeable and expensive

17. Submitted by:

Benjamin Hulke
Asst. Dir. of Public Works

18. Priority:

17



Town of Braintree
Department of Public Works
Capital Budget - Recreation
Fiscal Years 2022-2026

James Arsenault, PE
Director of Public Works

Town of Braintree
Department of Public Works
Schedule H-1 Summary of Capital Budget Request - Recreation
Fiscal Years 2022-2026

Rank	Reference	Project / Item	Type	New/ Replacement	Age of Replacement	Total Dollars	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
1	R1	Sports Lighting - BHS Athletic Fields	Construction/Renovation	Replacement	30+	1,200,000	1,200,000	-	-	-	-
2	R2	Town-Wide Fence Repair and Rehabilitation Project	Construction/Renovation	Replacement	15+	300,000	75,000	75,000	50,000	50,000	50,000
3	R3	Replacement of Park and Court Equipment/ Repairs	Construction/Renovation	Replacement	6	600,000	150,000	150,000	100,000	100,000	100,000
4	R4	Field Repair and Rehabilitation Project	Construction/Renovation	Replacement	6	600,000	150,000	150,000	100,000	100,000	100,000
5	R5	Installation of an All-Weather Track Resurface at Braintree High School	Construction/Renovation	New	N/A	194,040	194,040	-	-	-	-
6	R6	Parks and Recreation ADA Issues	Construction/Renovation	New	N/A	250,000	50,000	50,000	50,000	50,000	50,000
7	R7	Design and Engineering Services - Installation of an Artificial Turf Field at Braintree High School's Varsity Baseball Field.	Construction/Renovation	New	N/A	250,000	50,000	100,000	100,000	-	-
8	R8	Design and Engineering Services-Four (4) Multi-Purpose Recreational Fields on TOB Land Sited at West and Granite Streets	Construction/Renovation	New	N/A	400,000	100,000	50,000	100,000	100,000	50,000
9	R9	ABI Force Infield Groomer w/Attachments	Capital Equipment	New	N/A	32,275	-	-	32,275	-	-
10	R10	Sunset Lake Aeration Fountains	Capital Equipment	New	N/A	50,000	50,000	-	-	-	-
Totals						3,876,315	2,019,040	575,000	532,275	400,000	350,000

**Town of Braintree
 Department of Public Works: Recreation
 Capital Improvement Project Request Form
 Schedule G-2 Construction/Renovation
 Fiscal Year 2022-Reference R1**

1. Department: DPW
 2. Sub-Department: Recreation
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Rec. & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: Sports Lighting - BHS Athletic Fields
 8. Costs: \$1,200,000

9. Expenditure Schedule:

FY22	\$1,200,000
FY23	\$0
FY24	\$0
FY25	\$0
FY26	\$0

10. Planning & Design: \$0

11. Site Improvement & Utilities:

FY22	\$0
FY23	\$0
FY24	\$0
FY25	\$0
FY26	\$0

12. Construction/renovation: \$1,200,000

13. Other (Specify):

14. Cost Totals: \$1,200,000

15. Available Aid or Grant (specify):

16. Description and Justification: Lighting at Braintree High School football, baseball and softball fields were installed in the early 1980's. This proposal replaces the lighting at these fields, which includes a 25 year warranty and maintenance program that eliminates 100% of maintenance costs for 25 years, including labor and material. Proposal also includes a controls and monitoring system that allows controlling the lights remotely and installation by a contractor as well as potential savings over the course of 25 years.

17. Submitted by: Chris Griffin
 Rec. & Community Events Coordinator

18. Priority: 3



Budget Estimate

Braintree High School Athletic Fields

Braintree, MA

Date: September 21, 2015

To: Nelson Chin

Budget Estimate

Musco's Light Structure Green™ as described below, delivered to the site and installed:

Football Field (turnkey – lighting system including installation estimate):	\$270,000 - \$295,000
Baseball Field (turnkey – lighting system including installation estimate):	\$335,000 - \$360,000
Softball Field (turnkey – lighting system including installation estimate):	\$135,000 - \$145,000

Equipment Description

Light-Structure Green™ System delivered to your site in Five Easy Pieces™

- Pre-cast concrete bases
- Galvanized steel poles
- UL Listed remote electrical component enclosures
- Pole length wire harnesses
- Factory-aimed and assembled luminaires

Also Includes:

- Energy savings of more than 50% over a standard lighting system (see attached LCCS)
- 50% less spill and glare light than Musco's prior industry leading technology
- Musco Constant 25™ warranty and maintenance program that eliminates 100% of your maintenance costs for 25 years, including labor and materials
- Guaranteed constant light levels of 50 foot-candles on Football, and 50 foot-candles infield and 30 foot-candles outfield on Baseball and Softball for 25 years
- One (1) group re-lamp at the end of the lamps' rated life, 5000 hours (assumes 150 annual hours)
- Control Link® Control & Monitoring System for flexible control & solid management of your lighting system
- Lighting Contactor Cabinet sized for site voltage and phasing (assumes 480V 3P)
- Stamped structural drawing
- Installation of lighting system and underground wiring to poles by electrical contractor

Notes

Estimates are based on:

- Assumes field dimensions of 360'X160' on Football, 90'X30'X360'X360' on Baseball, and 60'X210' on Softball
- Assumes public bid, does not include any taxes, and is based on September 2015 pricing
- Confirmation of field dimensions, pole locations, and Musco lighting design prior to providing quote
- Estimate is based upon projects similar in scope, and is intended for preliminary planning purposes only
- Getting electrical power to the site, coordination with the utility, and any power company fees are responsibility of the owner
- Assumes standard soil conditions - rock, bottomless, wet, or unsuitable soil may require additional engineering, special installation methods, and additional cost
- Assumes building code and wind speed IBC 2009 110mph

Thank you for considering Musco for your sports-lighting needs. Please contact us with any questions.

Mike Berry

Sales Representative

Musco Sports Lighting, LLC

Phone: 617-571-3714

Email: mike.berry@musco.com

Eric Nieuwsma

Project Planning Specialist

Musco Sports Lighting, LLC

Phone: 800-825-6030

Email: eric.nieuwsma@musco.com

25-Year Life-Cycle Cost

Braintree High School Athletic Fields Braintree, MA

Prepared for: Nelson Chin, Town of Braintree
09/21/15



Your Savings

	Hours	Varies by Field	Varies by Field	
Average kW	281.9	158.9	122.9	
Total kW	921,375.0	522,460.0	398,915.0	
Metric Tons of CO2	635.3	360.3	275.1	
Energy	\$175,061	\$99,267	\$75,794	
Group Relamp	\$23,698	\$0	\$23,698	
Lamp Maintenance	\$3,750	\$0	\$3,750	
Controls - Energy	\$17,506	\$0	\$17,506	
25-Year Life-Cycle Cost	\$220,015	\$99,267	\$120,748	

Assumptions

Field Name	Annual Operating Hours	Energy Cost per kWh	Typical Floodlighting Equipment		Musco Green		Controls Energy Savings	Fixture Wattage
			Fixtures	Avg kW	Fixtures	Avg kW		
Football Field	100	\$ 0.19	67	108.5	40	58.8	10.0%	1500W MZ
Baseball Field	150	\$ 0.19	77	124.7	46	71.9	10.0%	1500W MZ
Softball Field	150	\$ 0.19	30	48.6	18	28.2	10.0%	1500W MZ
				281.9		158.9		

NOTES:

Carbon dioxide (CO₂) is emitted by the power plant when generating the total kWh used by the lighting system. Generating one kWh of electricity in the United States emits an average of 1.52 lbs. of CO₂. One metric ton equals 2,204.6 lbs. Source for CO₂ calculations: <http://www.epa.gov/cleaneenergy/energy-resources/refs.html> (10-26-12)

Life-cycle costs are based upon the assumptions above per the project specifications.

Any variation in this data will change the life-cycle cost proportionately. Typical Floodlighting Equipment total kWh includes base operating hours plus extra kWh consumed if no controls system included. Musco guarantees the average Green Generation Lighting system kW per hour and useful life of the lamp.





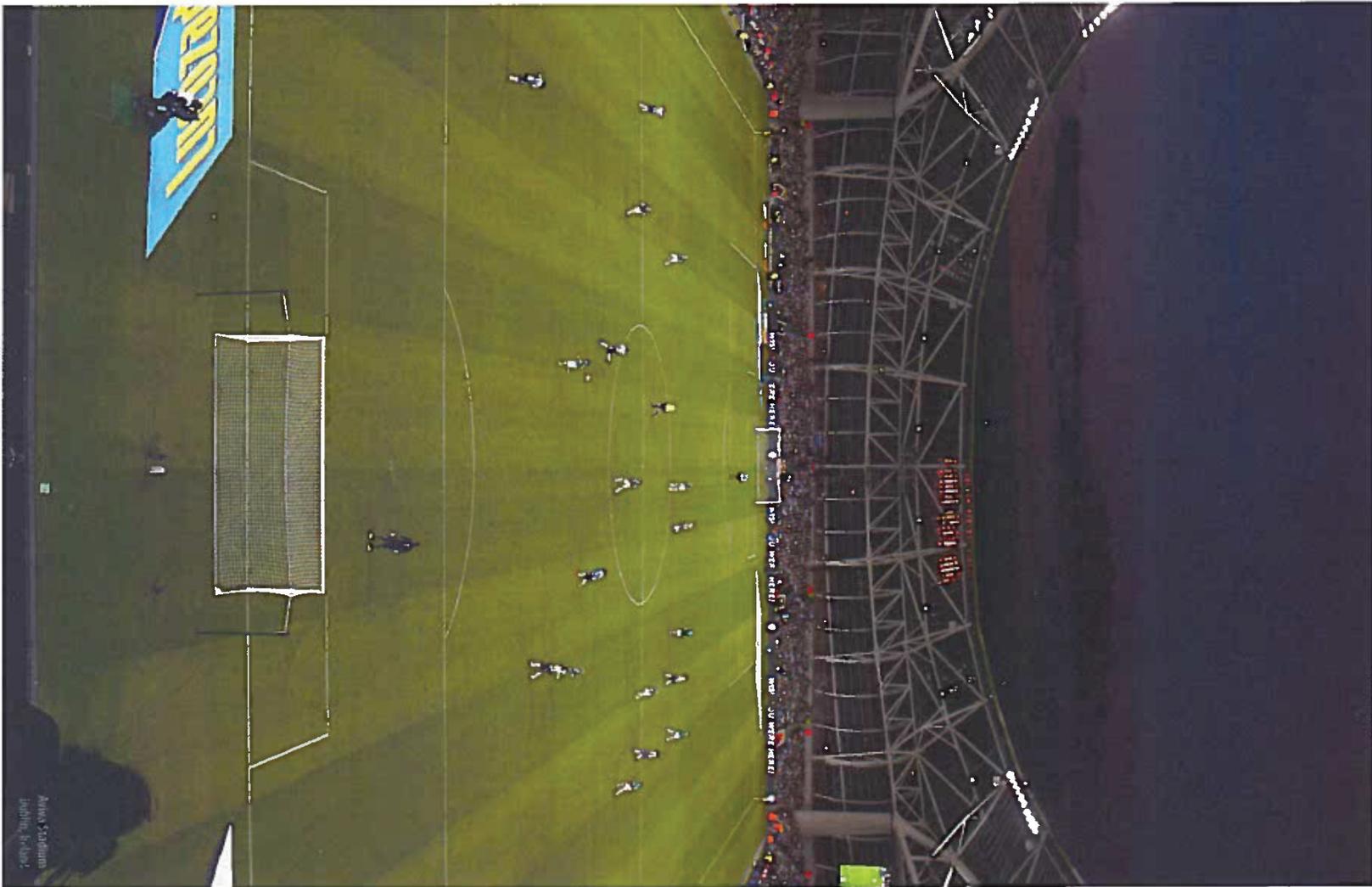
Sports Lighting

Answers to 9 Common Questions

**Is LED the right
light source
for my project?**



We Make It Happen.



Arena Stadium
Lighting, Inc.

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Decisions...

There are many decisions to make when planning a sports-field lighting project. As the decision maker, the standards you set will affect recreation or athletic programs in your community for 20 to 30 years.

Obviously, you want to select a trouble-free lighting system that will be a safe, energy-efficient source of community pride rather than a disappointing source of high-maintenance headaches and neighbor complaints.

Lighting a sports facility is a big investment. You and your design consultant should ask questions about initial and long-term benefits to ensure you get the most value from the dollars you spend. The more you know about sports lighting, the better chance you have of getting the results you want.

Read on for answers to the most common questions people have about sports lighting

Common Questions

Page

1. Is LED right for my project?	2
2. What affects the cost of lighting my ball field?	4
3. How many lights do I need?	6
4. How much will it cost to operate my lights?	8
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1. Is LED right for my project?

For sports-lighting applications, the two typical light source options are metal halide and light-emitting diode (LED). If supported by a well-designed system of light control, structures, electrical, and application, both light sources can result in good quality of lighting. Choosing which light source is best for your project is one of dozens of decisions that impact the performance and cost results.



Metal halide lamp



Light-emitting diode

Benefits and Costs

Hours of use have a major impact on the economics of balancing capital and operating cost. Most indoor sports facilities are used almost daily, so the energy savings using a diode light source generally pay back its higher capital equipment cost in just a few years. Additionally, many indoor facilities have multiple uses, making the dimming ability of LED useful. The instant on/off characteristic of diode can also be of value, particularly for player introductions and halftime performances.

Outdoor recreational facilities are often used less than 500 hours per year. At 10 cents per kilowatt hour, the energy cost to light a youth soccer field with metal halide is less than \$2 per hour. In this case, payback through energy savings for increased LED capital costs would take several years.

Compare the capital and operating costs to see what fits your project needs. Be sure to incorporate any demand charges from your utility company, as this could significantly impact your payback timeframe.

Light Control

Neighborhood impact is a factor in outdoor sports lighting. The LED light source has the potential for extreme cut-off. However, if not properly controlled, the intensity of the multiple tiny light sources also has a greater risk of creating uncomfortable glare.

The unique needs of lighting sports fields make controlling the light a more critical issue than required for most other lighting situations. Relatively high quantities of light need to be projected over long distances in a manner that meets the differing viewing needs of players, spectators, and in many cases, television broadcast production.

“Two aspects of energy efficiency are important to consider: the efficiency of the LED device itself (source efficacy) and how well the device and fixture work together in providing the necessary lighting (fixture efficacy).”

Source: U.S. Department of Energy, <http://energy.gov/eere/ssl/led-basics>



Light control matters

Musco: what can be



2014 Musco LightStructure Green™ system with LED light source
LakePoint Sporting Community · Emerson, Georgia, USA

What often is



2014 Other manufacturer's fixture with LED light source

Musco systems offer your choice of LED or metal halide light sources - we can help you evaluate which one fits your project needs.

2. What affects the cost of lighting my ball field?

Each field is unique and there are many things that impact the cost. The cost of fixtures is only a small part of the overall project cost. As you compare options, it's important to look at both the initial and operating, or life-cycle, costs. (See page 8 for more information on operating costs)

Initial costs for a complete project will include three components:

- Lighting
- Structural
- Electrical

For each of these three components you will need to select someone to:

- Design
- Supply
- Install

Decisions you make in one area will affect the others. For example, variances in fixture efficiency will affect the number of fixtures needed and, as a result, could require larger poles to support the additional wind load and additional electrical components to operate the system. Your choices will also impact operating and maintenance costs.

9 Important Sports-Lighting Decisions

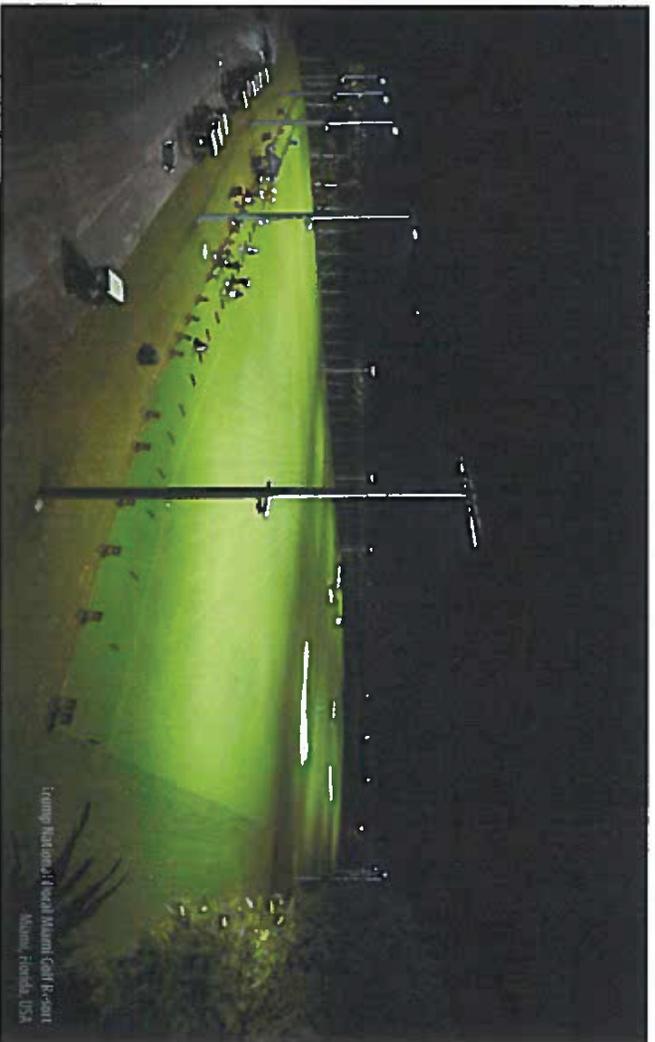
	Lighting	Structural	Electrical
Design	?	?	?
Supply	?	?	?
Install	?	?	?
OPERATE			

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This matrix is an easy way to quickly understand if you have covered all areas of your project when developing a cost estimate.

As you work through the 9 important sports-lighting decisions, you will need to review variables that will affect the design and final costs of your project. Here is a starting check list of items to discuss with your local sports-lighting representative:

Quantity and Quality of Light	Geographical Issues	Environmental Light Control Issues	Lighting Usage
<ul style="list-style-type: none"> <input type="checkbox"/> Facility type and size <input type="checkbox"/> Players' skill level <input type="checkbox"/> Seating capacity <input type="checkbox"/> Television/video broadcast requirements <input type="checkbox"/> Lighting standards (for organizations such as Little League Baseball®) 	<ul style="list-style-type: none"> <input type="checkbox"/> Location – structural and local/state building codes <input type="checkbox"/> Soil conditions <input type="checkbox"/> Existing structures <input type="checkbox"/> Pole setback requirements 	<ul style="list-style-type: none"> <input type="checkbox"/> Proximity of neighbors <input type="checkbox"/> Community light ordinances <input type="checkbox"/> Nearby airports or observatories <input type="checkbox"/> Multi-field complexes 	<ul style="list-style-type: none"> <input type="checkbox"/> Anticipated hours of operation <input type="checkbox"/> Local initiatives for reducing energy usage <input type="checkbox"/> Desire for dimming or special effects



Musco provides free project planning assistance to help you navigate through the choices that impact project cost. Our foundation-to-poletop systems incorporate lighting, structural, and electrical components.

3. How many lights do I need?

What you are really buying is the quantity and quality of light on the field. It is a common practice to specify a number of fixtures, rather than the amount of light produced on the field. However, this is like buying a car based on the size of its gas tank instead of its fuel efficiency. The efficiency of reflector systems, light sources, and application experience currently available varies significantly.

Quantity of light

Light on the playing surface is measured in footcandles or lux. Several factors determine the number of footcandles or lux required to light your field:

1. **Sports type** — More light is required to light smaller, faster moving objects. For example, baseball uses a small ball traveling at high speeds, resulting in the need for higher light levels than soccer.
2. **Players' skill level** — Higher light levels are needed for increased skill, speed, and accuracy.
3. **Field size** — The size of the playing area defines the number of square feet/meters to be lighted.
4. **Seating capacity** — More light is needed to see action that is farther away.
5. **Television/video requirements (if any)** — A camera interprets images slower than the human eye and requires more light to be able to follow the action.

Generally Accepted Lighting Standards

SPORT	SPORT LEVEL	TARGET / CONSTANT LIGHT LEVELS	
		FOOTCANDLES	LUX
Baseball/Softball	Recreational	30/20	300/200
	Schools/Competitive Leagues	50/30	500/300
	Little League.	50/30	500/300
Baseball/Softball	Amateur Softball Association (ASA)	50/30	500/300
	College ¹	100/70	1000/700
Basketball (indoor)	Elementary	30	300
	High School	50	500
	College ¹	80	800
Football	Schools/Competitive Leagues	30	300
	College ¹	50	500
Soccer	Recreational/Practice	20	200
	Schools/Competitive Leagues	30	300
	College/Municipal ¹	50	500
Tennis – 2 court (side by side)	Recreational	30	300
	Schools/Competitive Leagues	50	500
	College ¹	75	750

¹ May vary due to seating capacity and television requirements.

Target vs initial light levels

Light levels naturally depreciate over time as the light sources age and dirt builds up on the fixtures. How fast it depreciates depends on the fixture design, light source type, and how it is operated. It's important to make sure your system is designed to provide maintained, or target, light levels over the life of your system to ensure you continue to have the quantity and quality of light you purchased.

Quality of light

When talking about light quality, you will hear the term uniformity, or evenness of light on the playing surface. It's stated as a ratio, like 3:1, the minimum standard for most sports. What that means is the brightest point on the field should be no more than three times as bright as the darkest point. This ratio is important because a ball can appear to change speed as it passes from dark to light areas, making it difficult for players to follow the flight and gauge the speed of the ball.

Each manufacturer should provide specific information on initial and maintained light levels as well as a uniformity ratio, so when you compare proposals you can be sure they all design to the same criteria. It's also a good idea to get written guarantees for the quantity and quality of light your system will provide.



Achieving and maintaining the right quantity and quality of light impacts tournament site selection

Musco provides free lighting design services to you or your consultant to help you achieve guaranteed light quantity and quality.

4. How much will it cost to operate my lights?

Electrical cost to operate lights is less than many people might think. A typical soccer field can range from \$3 – \$8 per hour. In addition to electrical cost, you should consider staff time for operating on/off schedules, tracking facility usage, routine maintenance, and unexpected repair costs.

Electrical consumption

Light source options, metal halide or LED, vary in how efficiently they convert electrical energy into light energy. Even using the same light source, differences in reflector system efficiencies and aiming design vary, which impacts the energy required to achieve the amount of light needed on the field.

**Standard Soccer Field – 360 x 225 ft (110 x 69 m)
30 footcandles (300 lux)**

	Musco		Other Manufacturer
	630 W LED	1500 W Metal Halide	1500 W Metal Halide
Fixtures required	44	32	52
Hourly energy cost	\$2.77	\$5.00	\$8.42
Annual energy cost	\$1,386	\$2,502	\$4,212
25-year energy cost	\$34,650	\$62,560	\$105,300

Assumes 10¢ per kWh electrical rate, 500 hours per year operation

A properly designed LED system may cost more than a metal halide system. Facilities with higher usage will see a faster payback with energy savings. Energy savings is just one aspect to evaluate in deciding which light source and system is right for you.

Efficient management, scheduling, and monitoring

As public concern for energy conservation grows and budget constraints impact staffing, cities and organizations are considering automated lighting control systems. The systems are more reliable than timers, better accommodate last minute changes, save energy, and eliminate staff time traveling to fields to turn lights on and off.

Some systems provide reports that track hours by user helping you set user fees to offset your operating expenses. Monitoring services ensure on/off schedules are completed and alert you or your warranty provider to any fixture outages that may affect playability.

Musco's systems are efficient, and include automated controls with 24/7 staffed support, proactive monitoring, and a no-touch warranty that covers routine maintenance and repairs.

Routine maintenance

Relamping — For metal halide light sources, its more efficient to group relamp rather than replace lamps as they burn out. You should schedule group lamp replacements prior to the end of lamp life to ensure you maintain the target light levels on your field.

Costs include:

- Lamps (\$60 to \$75/lamp average)
- Equipment rental to get to the top of the pole (\$75 to \$150/hour)
- Labor (Approximately \$60 – \$100/hour average)

LEDs used for sports lighting should not burn out before the end of system life, provided there is adequate design for the supporting structural and electrical components.

Fuses — Replace as needed (average cost of \$10 to \$15/fuse). You may need to rent equipment to access the fuses if electrical components are not accessible at ground level.

Unexpected repair costs — how to avoid them

Unexpected repairs can take significant time and money to correct. A well-designed system will be durable enough to withstand the elements and have features designed to reduce unexpected costs.

Re-aiming — Make sure your manufacturer guarantees fixture alignment. Over time, factors like weather can cause misalignment resulting in less light on the field. Labor and equipment costs to correct this can be significant.

Multiple fixture outages — Each driver or fixture should be individually fused. This minimizes multiple or “gang” failure, as well as the need for emergency repairs.

Troubleshooting — Easy-to-access systems have electrical components such as ballasts/drivers, capacitors, and fuses located close to the ground to save time and money.

Lightning and surge protection — Built-in system grounding helps avoid equipment damage. This is especially critical with the electronics involved with LED systems.



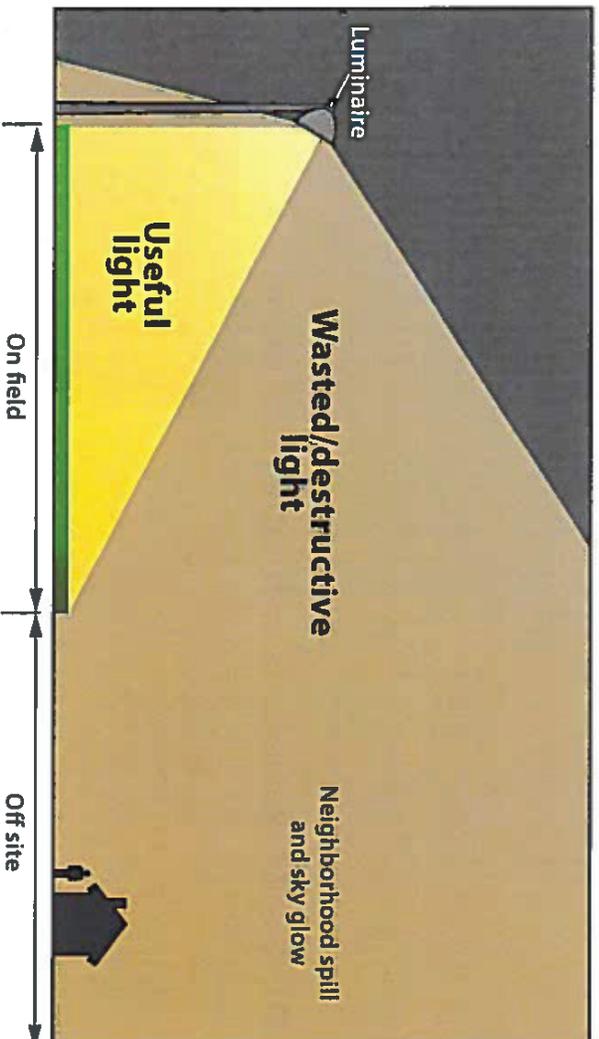
Misalignment of as little as 10 degrees shifts light off the playing field into the stands.



Having major electrical components accessible at ground level avoids hiring a \$100/hour crane to replace a \$10 fuse.

5. There are no houses near my field, so why should I be concerned about spill light and glare?

Even if no houses are there now, controlling light pollution is important for several reasons. Spill light, glare, and sky glow are considered wasted or destructive.



Spill light = wasted energy

Fixtures with poor light control waste light by allowing it to go off the field into neighborhood spill and sky glow. Proper light control redirects wasted spill light back onto the playing surface. No matter which light source is used, LED or metal halide, efficient fixture and system design, along with application expertise, impacts the quantity and quality of lighting results.

With better control, you reduce the number of fixtures needed to get useful light on the field. This also reduces operating and maintenance expenses.

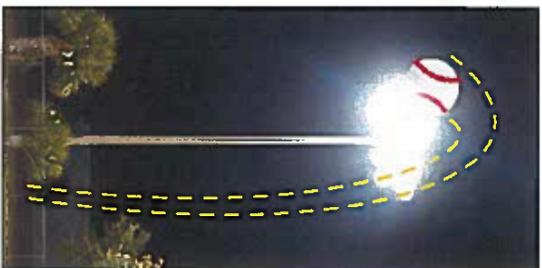
Musco has developed advanced spill light and glare control systems to solve environmental concerns.



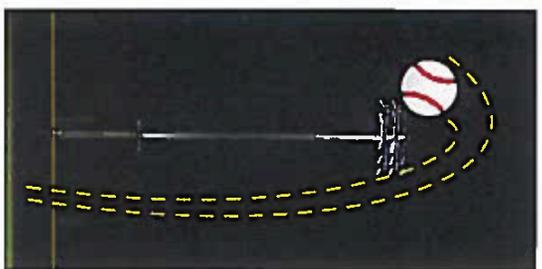
Glare problems

Glare control is important for neighbors, player safety, and spectator enjoyment. Fixture glare will make it difficult for players to follow the ball, creating the possibility for injury. Players competing on multi-field complexes can also be affected by glare from adjacent fields.

Due to the intensity of the LED light source, increased measures should be taken to provide optic controls to minimize glare. You don't have to sacrifice good light control to use a new light source.



Glare impacts players



Musco gets the glare out of the players' eyes

Community growth

Even if your facility does not have neighbors today, communities often grow up around sports facilities. Your lighting system should last more than 20 years. By minimizing spill light and glare now you will have happier neighbors and receive fewer complaints for years to come.

Growing concern

We're all aware of public concern for wasting the valuable energy resources it takes to produce light. Many communities are enacting environmental light pollution ordinances to regulate bothersome light that shines on private property, through windows, onto roadways and around astronomical research facilities. Light pollution also has negative effects on wildlife.

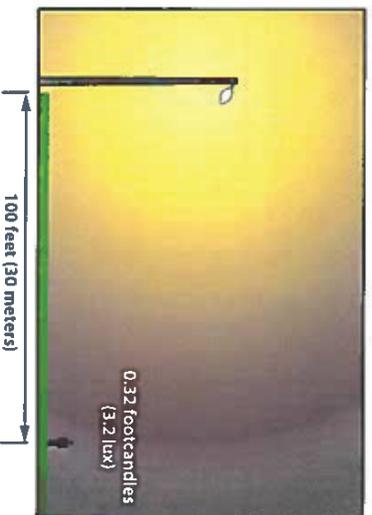


6. If they use the same wattage lamp, aren't all fixtures the same?

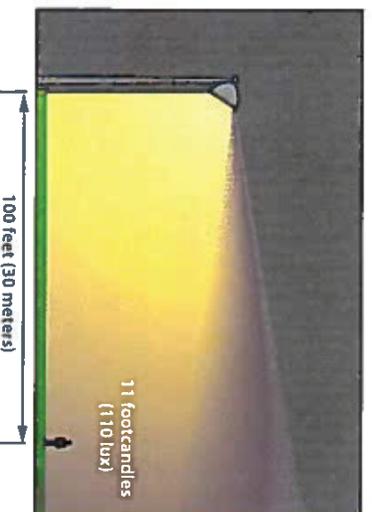
No matter what light source is used, the manufacturer's reflector design and application expertise is the critical factor in how effectively the lamp's light energy is projected onto the playing surface. Technology allows wasted spill light to be redirected back onto the playing surface, increasing the light on the field.

In the example below, the lamp produces the same amount of light at the top of the pole. Without a reflector, it projects less than 1 footcandle (10 lux) of light on an area 100 feet (30 m) away. With a well-designed reflector, it projects 30 times that amount.

Lamp with no reflector



Lamp with efficient reflector



A reflector concentrates and projects the light energy onto the playing surface.

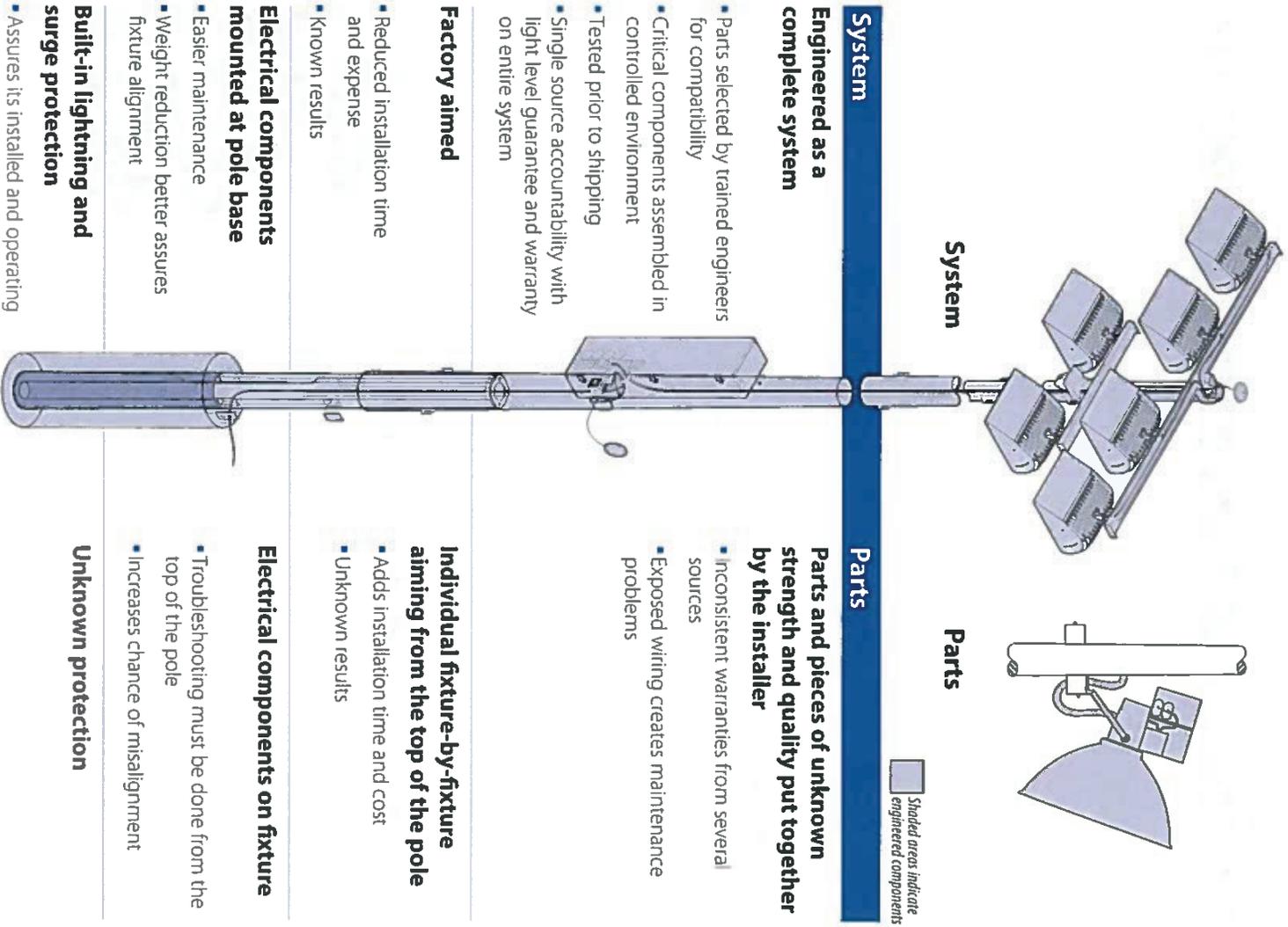
It is a common mistake to specify a number of fixtures, rather than the quantity of light produced on the field. Specifying a set number of fixtures simply spells out the amount of light that is going to be generated by the lamp at the top of the pole, rather than the light on the field.

Musco's complete system is engineered from foundation-to-poletop in 5 Easy Pieces™ for optimal light control, easy installation, and trouble-free operation.



System vs parts

Lighting may be purchased as a system or as single fixtures plus other parts and pieces from a variety of sources. Here's an analysis:



7. Why does pole type and height matter?

Poles are an integral part of a lighting system. The right poles help ensure proper aiming, long-term reliability and reduced maintenance expense.

Common pole types

Pole Type	Benefits	Drawbacks
Wood	<ul style="list-style-type: none">▪ Low cost of material	<ul style="list-style-type: none">▪ Poles not tall enough to allow proper mounting height▪ Fixture misalignment because wood twists and leans over time▪ Safety hazards: rotting wood, exposed electrical conduit, toxic preservatives
Concrete	<ul style="list-style-type: none">▪ Can be direct buried, eliminating the cost of footings▪ Corrosion and moisture resistant▪ Pleasing appearance	<ul style="list-style-type: none">▪ Poles are heavier and more expensive to set▪ High freight costs often limit their use to areas near concrete pole manufacturing plants▪ Higher initial cost▪ Require construction of concrete foundation with anchor bolts to mount poles▪ Curing time of concrete base▪ Corrosion at ground level▪ Difficulty with pole orientation▪ Underground corrosion accelerated due to moisture and soil chemicals (often undetectable prior to pole failure)▪ Unpredictable life expectancy▪ Increase installation time and cost depending on structural engineer's criteria
Base-plate Galvanized Steel	<ul style="list-style-type: none">▪ Pleasing appearance▪ Lighter weight than concrete, easy to handle	
Direct Burial Galvanized Steel Pole	<ul style="list-style-type: none">▪ Pleasing appearance▪ Lightweight	

Combination concrete and steel pole

This pole option combines the advantages of steel and concrete, while reducing or eliminating many of the problems. Steel pole shafts are slip-fit onto precast concrete bases that are set directly into the ground and backfilled with concrete.

- Ease of installation - poles can be set onto pre-stressed, direct-buried bases within 24 hours
- Cost savings - poles and bases are shipped in sections and are lighter for lower freight expenses
- Corrosion resistance - concrete bases are corrosion and moisture resistant at ground level and below grade

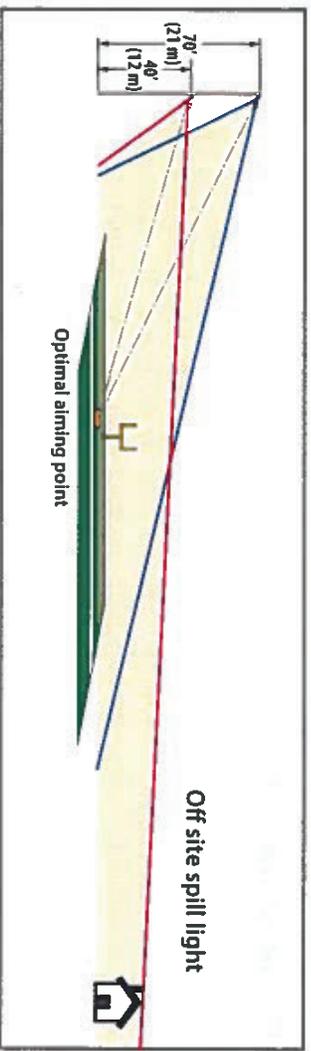


Musco's Light-Structure Green™ system combines the benefits of both concrete and steel poles.



Pole height impacts aiming angles and the amount of spill light

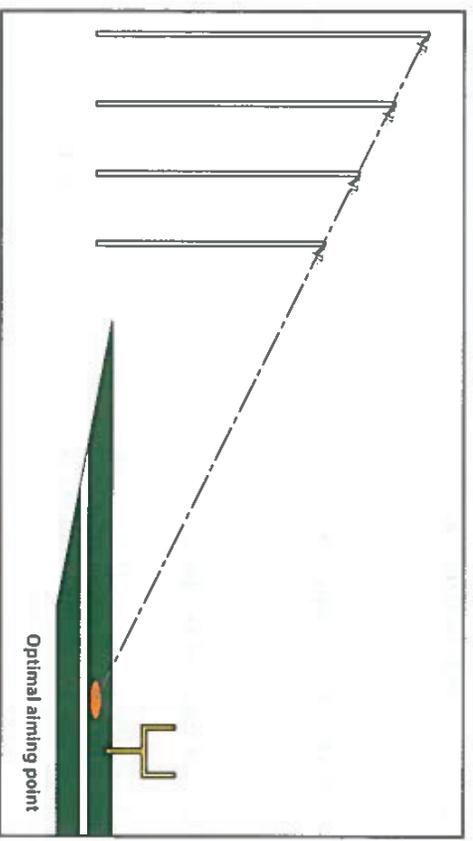
Proper fixture aiming angles ensure even light distribution across the playing area and reduce light pollution, otherwise known as spill light.



As a general rule, taller poles allow fixtures to be aimed more directly on the playing surface which reduces the amount of light spilling into unwanted surrounding areas. If city ordinances or other factors dictate the use of shorter poles, your lighting manufacturer will evaluate to see if custom measures, such as additional poles or creative aiming logic, can still allow you to meet your lighting goals on and off the field.

Distance from the aiming point determines optimal pole height

The optimal height of the poles needed for your lighting system and resulting project cost is also affected by their distance from the playing surface. Structures such as bleachers and buildings will impact pole locations. Future expansion or other facility plans should be discussed with the designer.



Musco's expert project managers and engineers will work with you to design the ideal lighting system for your specific needs.

8. How can I make sure I get the results I want?

We've reviewed some of the issues involved in choosing a lighting system. Once you've made your decisions, there are ways to ensure you get the results you want.

Define standards

It is important to have written specifications that establish the performance you expect from your system. Remember to incorporate the three components of the lighting system: lighting, structural, and electrical. Take into account the costs involved for design, supply, installation, and operation of the entire system. Specify the values you want for playability, environmental light control, life-cycle cost savings, and warranty.

Clearly defined standards will help you avoid two problems on bid date:

- Insufficient, cheap equipment substitutions to lower bid price
- High bids to cover the uncertain costs of an under-defined project

Seek accountability

Having a manufacturer that stands behind its product and provides good service will make a huge difference in long-term satisfaction with your lighting system.

Get a written guarantee — Manufacturers can provide written performance guarantees for light levels and your entire system (from the foundation to the fixtures), which will ensure the specifications you establish are met. Getting this guarantee from a single-source system provider will save you the headache of sorting out responsibility among multiple manufacturers should a problem arise.

Compare warranties and services — The warranty reflects a manufacturer's confidence in its product. Some manufacturers include services such as on/off control, monitoring, and onsite maintenance and repairs.

Evaluate their reputation — Ask for references and review the manufacturer's track record for service. A good question to ask is if there will be an on-site field performance evaluation after the installation.

Visit a lighted project — Ask to go see nearby projects similar to yours. You'll experience the results firsthand and be able to talk with the owner about how well the manufacturer helped achieve their lighting goals.

“The bitterness of poor quality remains long after the sweetness of low price is forgotten.”

Benjamin Franklin

Musco's team includes more than 170 service and warranty professionals providing an industry-leading product assurance warranty with on/off control, monitoring, and on-site maintenance and repair.

9. Is there funding help available?

Finding funds can often prove to be one of the most challenging parts of the process. There are options available that can make your lighting project doable.

Utility grants/rebates

Many utility companies offer incentives to promote the use of energy-efficient products including sports lighting. Incentives vary and come in the form of rebates, grants, low-interest loans, and/or reduced kilowatt rates. Once the utility company completes an energy-savings audit, they can help fund new lights or upgrade your existing equipment with an energy-efficient system.

Financing programs

Financing programs for municipalities and public school systems provide a “budget stretcher” to help with facility improvements. The added revenue from expanded use of your facility can help make the annual payments, as well as will allow you to enjoy the benefits of your lighted facility sooner. Plus, a set payment can be built into your annual budget. This can free you from the budget uncertainties and cash flow implications of a large purchase.

Unique fundraising

Musco’s unique Pennant Program™ fundraising program provides corporate advertising opportunities using pennants displayed on Musco’s Light-Structure Green™ systems. Organizations have used this program to completely finance their project or to complement other fundraising efforts. And, others have continued the program after the purchase to help with annual operating costs.

Volunteer installation

Musco’s foundation to poletop system simplifies installation and makes it feasible to consider volunteer installation, which can reduce the total project cost by up to one third.

Musco has financing options and a resource database to identify grants and incentives available to help make your project happen.

Lighting terms you'll hear

Creating Light Energy

LED – Light-emitting diode

Small semiconductor device that creates light when electricity passes through it.



Light-emitting diode

High intensity discharge (HID) lamp —

Metal halide, high-pressure sodium, and mercury vapor

A group of light sources that create light when electricity ignites gasses inside an arc tube.



Metal halide lamp

Incandescent

A light source that creates light when electricity passes through a filament.

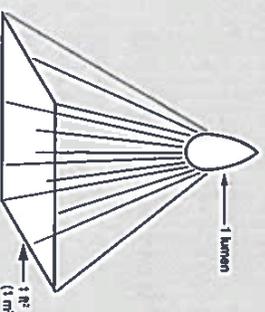
Measuring Light Energy

Lumen (1 lm)

Measure of light, much like a mile is a measure of distance.

Footcandle (fc)

One lumen of light spread over 1 square-foot of surface. A light level of 30 footcandles means that 30 lumens of light are being projected onto each square foot of playing surface.



Lux (lx)

Lux is the metric equivalent to a footcandle. A lux is 1 lumen spread over 1 square meter.

Candela (cd)

Measure of the intensity of a light source. Relates to predicting on-field and off-field glare. You can relate this to car headlights: high beam = approximately 30,000 cd. Low beam = approximately 12,000 cd.

Coloring rendering index (CRI)

A scale from 0 – 100 used to measure a light source's ability to show colors realistically as compared to natural light (daylight). Higher CRI values mean a light source is more true to color.

Color temperature

A unit of measure in degrees Kelvin that indicates the color of a light source. Temperatures below 3500K appear yellow or warmer. Above 4500K appear bluish white or cooler. Absolute white is 5000K.



Controlling Light – Lighting Performance

Photometrics

Control of light energy through redirection

Constant light level

The amount of light you can expect on the field at any given time over the extended life of the fixture or system.

Initial footcandles or lux

The amount of light on the field when the lighting system is first put into use.

Target (maintained) footcandles or lux

The lowest average amount of light you should always have on your field to meet minimum performance requirements.

Light loss

Amount of brightness from a fixture lost over time due to aging of the light source, dirt accumulation, temperature and voltage variations, and maintenance.

Lp lumen maintenance

The number of operating hours an LED light source will maintain the percentage (p) of its initial light output; noted as Lp.

Uniformity

The smoothness of light on the field.

Point by point

Computer-generated model of your proposed lighting system showing footcandle/lux readings at given points on your field.

Spill light

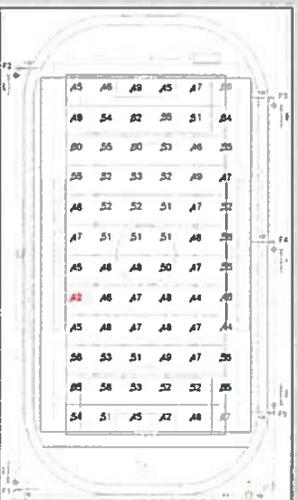
Wasted light that falls off the field into undesired areas, such as a neighbor's back yard.

Glare

Destructive light from a light source that shines in players', spectators', or neighbors' eyes, making it difficult to see.

Sky glow

Destructive light in the night sky which results from light that is reflected upwards.



Point by point

We will help get you started.

From our expert project managers to our team of certified engineers, we will work with you to design a custom foundation-to-poletop lighting solution that:

- Reduces your facility's energy and life-cycle costs
- Delivers superior controlled light guaranteed to meet specified light levels
- Controls spill light, glare, and sky glow
- Eliminates maintenance costs
- Simplifies operation and reduces cost with our Control-Link® system monitoring, management tools, and on/off control

**For free planning assistance for
your sports-lighting project contact:**



We Make It Happen.

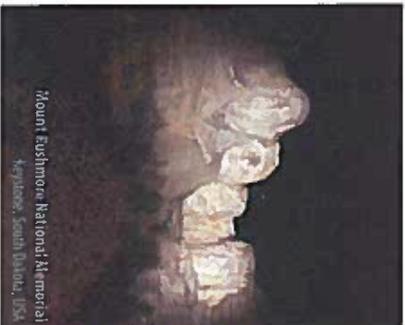
www.musco.com

lighting@musco.com





San Francisco Oakland Bay Bridge
Oakland, California, USA



Mount Rushmore National Memorial
Keyhole, South Dakota, USA



Smoker Top Coffee Company Parking Lot
The Nations, Iowa, USA

Lighting solutions for your large area applications

Need to light a non-sports project?

Musco's team of expert engineers create innovative lighting solutions for a variety of applications from small parking lots to large ports and national monuments. For nearly 40 years, Musco has established itself as the global leader in sports and large area lighting solutions. For innovative lighting systems that enhance light quality, improve effectiveness, reduce spill light and glare, cut costs, and minimize the impact on our environment, contact Musco. We make it happen.

- Parking lots
- Buildings and architecture
- Monuments
- Ports, airports, and rail yards
- Construction sites
- Bridges
- Security
- And much more



We Make It Happen.

WWW.MUSCO.COM

lighting@musco.com

Find us on:



Project Summary

PROJECT:

St. Patrick High School
Football/Soccer Field and Track,
Baseball Field
Biloxi, Mississippi

**25-YEAR PROJECTED
LIFE-CYCLE SAVINGS:
\$73,000**

ADDITIONAL BENEFITS:

Light-Structure Green™'s 5 Easy Pieces™ assembly provides factory-wired and aimed fixtures that speed installation time

Comprehensive product assurance and warranty program eliminates cost and hassle of reroaming

LIGHTING SYSTEM:

Light-Structure Green™

Football/Soccer Field and Track
4 poles · 60 luminaires

Baseball Field

8 poles · 42 luminaires

Control-Link® Control
and Monitoring System

LIGHTING PERFORMANCE:

Football/Soccer Field –
50 constant horizontal footcandles
(500 lux), 2.1 uniformity

Track – 24 constant horizontal
footcandles (240 lux)

Baseball Field – 50 constant
horizontal footcandles (500 lux)
infield, 2.1 uniformity; 30 constant
horizontal footcandles (300 lux)
outfield, 2.5:1 uniformity



We Make It Happen.

800/825-6030

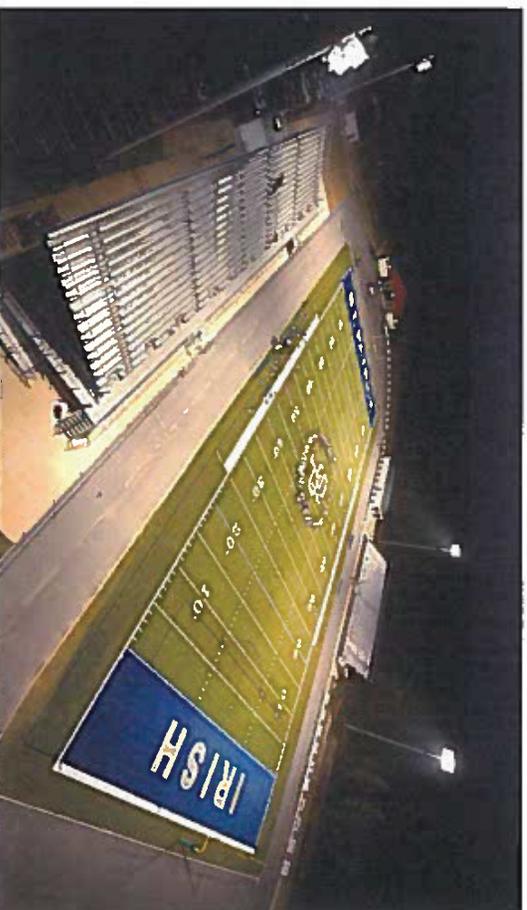
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e-mail: lighting@musco.com

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Musco Case Study: Warranty, Durability

School Gets Cost-Effective, Durable Solution



Proven durability was a decisive factor in the selection of Light-Structure Green™ for St. Patrick High School's new football stadium.

When Hurricane Katrina swept ashore on August 29th, 2005, it changed the life of every resident along the gulf coasts of Louisiana and Mississippi. Like many property owners along the coast, the Catholic Diocese of Biloxi, Mississippi, was devastated by the storm. Out of the 18 schools in the diocese, 10 were either completely destroyed or heavily damaged. The diocese assessed the economic feasibility of rebuilding or repairing all of the damaged schools and decided to combine two of its damaged schools, St. John's and Mercy Cross, into one new high school, which they named St. Patrick.

In building the school's new football and baseball facilities, the diocese understandably was concerned with maximizing durability. They invested in an artificial turf football field and were determined to find a lighting system that would match the quality of the field while staying within a restrictive budget.

"Cost and warranty were our biggest issues, and Musco's Light-Structure Green beat the competition in both areas. In cost, efficiency, usability, and durability, we feel we got a better product at a better price with Musco."

— Bobby Trotsclair
Principal, St. Patrick High School

Warranty, Durability, and Cost Favor Musco

"Cost and warranty were our biggest issues, and Musco's Light-Structure Green™ beat the competition in both areas," said Bobby Trotsclair, principal at St. Patrick. "In cost, efficiency, usability, and durability, we feel we got a better product at a better price with Musco."

The Constant 25™ product assurance and warranty program included with Light-Structure Green provides all spot

maintenance and group relamps for the next 25 years.

The Control-Link® control and monitoring system automatically detects lamp outages or other problems with the lights so a repair technician can be proactively dispatched. In addition, the warranty guarantees the

energy consumption and constant light levels of the system.

(Continued)

Light-Structure Green also has a proven track record of durability in high winds. After Hurricane Wilma ripped through southern Florida in October of 2005, the Green Generation Lighting® systems in the path of that storm were not damaged, while other lighting equipment suffered severe damage. Troscclair said he had already seen first-hand evidence of that durability: “We haven’t suffered through any hurricanes since Katrina, but we’ve had some tropical force winds and the lighting system has not had any problems at all.”

Installation Is Fast, Trouble-Free

Bobby Underwood, facilities director and varsity football coach at St. Patrick, was impressed by the installation process. “The installation was pretty amazing,” said Underwood. “I’ve seen lights installed at a university, and they had to use a light meter to aim every fixture after the pole was up. With Musco’s system, I watched them put a pole up in thirty minutes after the foundation had set. When the lights went on, they were already aimed. The concrete cylinders they poured for the foundation and the concrete base and steel pole are all very solid.”

Underwood was describing Musco’s 5 Easy Pieces™ construction. Light-Structure Green is designed so that all components — from foundation-to-poletop — work together as a complete system, making installation fast and trouble-free. The luminaires are completely assembled and aimed at the factory, further reducing installation time.

John Screws, project manager for Moses Electric, the contractor for the installation, said he appreciated the service-oriented approach of Musco throughout the installation process. “I was quite pleased with Musco’s performance throughout the process. Shop drawings were very informative, technical assistance was readily available, and your product lived up to its promises. I would not hesitate to recommend Musco Sports Lighting in the future.”

Lights Provide Long-Term Savings

Light-Structure Green has the highest efficiency of any sports lighting available. That efficiency is gained by focusing more light output from each fixture on the field, rather than losing it as wasted spill light or sky-glow. As a result, Musco can light a field with 40 percent fewer fixtures than typical floodlighting technology.

According to Underwood, the lights have made a believer out of the school’s varsity baseball coach. “Our baseball coach was concerned that the few fixtures used to light the baseball field could provide enough light. When the lights were turned on, he was floored. He couldn’t believe so few fixtures could light the field like that.”

With fewer fixtures required to produce the specified light output, Light-Structure Green saves up to 50 percent in operating costs compared to other floodlighting systems. Combining energy savings with the maintenance savings from the Constant 25 warranty, St. Patrick will save more than \$73,000 in life-cycle costs over the 25-year warranty period.

“Our baseball coach was concerned that the few fixtures used to light the baseball field could provide enough light. When the lights were turned on, he was floored. He couldn’t believe so few fixtures could light the field like that.”

— Bobby Underwood
Facilities Director and
Varsity Football Coach

25-Year Life-Cycle Cost Football Field and Track, Baseball Field

	Typical Floodlighting 170 Luminaires 275.4 Average kW	MUSCO GREEN 102 Luminaires 159.5 Average kW	Savings
Energy ¹	\$93,960	\$54,427	\$39,533
Group Relamp ²	\$30,208	\$0	\$30,208
Lamp Maintenance ³	\$3,750	\$0	\$3,750
Projected Totals	\$127,918	\$54,427	\$73,491

¹ Customer estimated usage 150 hours per year football, 200 hours per year baseball, \$.08 per kilowatt hour.

² \$.125 per luminaire for relamp labor and materials.

³ Average of 7.5 repairs at \$500 each.

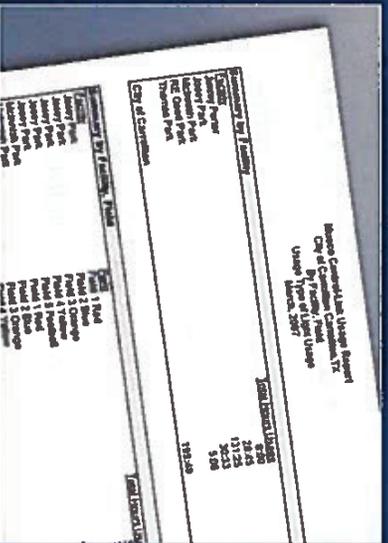
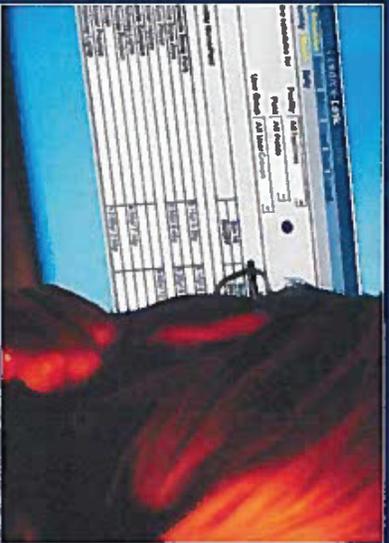
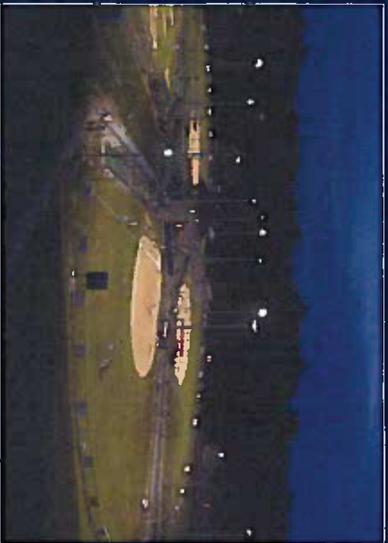


We Make It Happen.

800/825-6030

www.musco.com

e-mail: lighting@musco.com



Control•Link[®]

Control System

**Flexible control and
solid management
of your facility —
saves operating cost
and improves service**

*Get fingertip control of
your facilities from
your desk
your field
your home
your phone
... from anywhere*



We Make It Happen.

Musco's Control-Link System for new and existing sports facilities

With cities and recreational needs growing faster than ever, it's critical to maximize your available resources and make solid decisions about managing and expanding your facilities.

Control-Link is the reliable, cost-effective control system that helps control, monitor, and manage your new recreational facility lighting. In addition, it can control your existing lighting systems and other electrically-operated equipment. Whether for new lighting systems or to upgrade existing lights, the Control-Link system includes our Control-Link Central™ team, the on-site Control-Link equipment, and an industry-leading warranty. Our exclusive Control-Link Central team is staffed 24/7 to assist with your scheduling and reporting needs.

Reduce energy cost and staff legwork

Control-Link reduces energy usage by operating lights and equipment only when needed. This helps curtail taxpayers' concerns about lights operating when fields are not in use. The automated system does not require staff to travel from field to field to turn lights on and off. It also eliminates distributing and tracking multiple sets of keys and reduces time coordinating staff and facility schedules.

Simplify operations with flexible controls

Lighting schedules are entered into an easy-to-use Control-Link Central website or by email, phone, or fax. User passwords have varying access levels that you specify. Passwords, unlike keys, can be issued or cancelled at any time – making seasonal personnel or volunteer changes easier to manage.

Emergency schedule changes can be made through Control-Link Central call center staff, and on-site manual controls are provided for your maintenance staff.

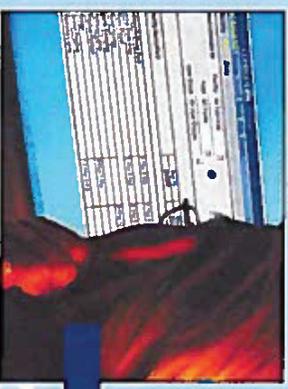
Reduce hassle with solid management tools

Control-Link saves you time overseeing facility operations, scheduling staff, and planning routine maintenance. Control-Link Central stores information about your facility usage, including operating history by facility and user group. The control and monitoring system Musco supplies with new lights provides proactive monitoring, reporting lamp outages to help plan routine maintenance. A preseason light check helps ensure your fields are ready for play.

Our Control-Link Central team can assist you in generating reports and analyzing your data to provide tools for efficient operations, allocation of costs, assessment of user fees, proactive maintenance, and facility expansion planning.

These capabilities provide significant long-term cost savings and the potential for providing better customer service and innovative uses of your facilities without adding staff.

Manage your

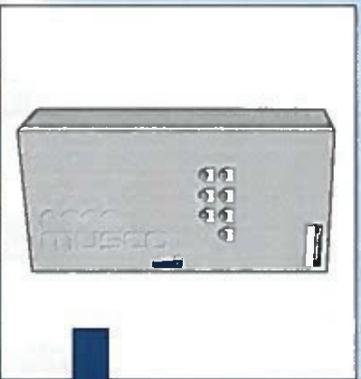


1 Enter schedules at your convenience

Enter schedules from any location via our easy-to-use Control-Link Central™ website, smart phone mobile website, or by email, phone, or fax.

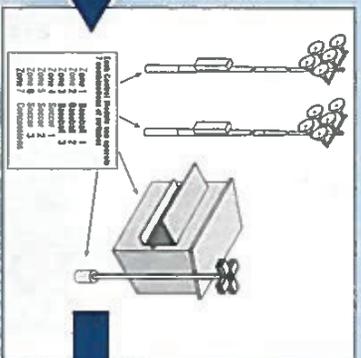
- *Saves Energy and Staff Costs*
- *Allows Flexible Control*
- *Provides Usage Data and Reports*
- *Increases Security*
- *Provides Reliable Operation*
- *Monitors System Performance*

lights without the late-night hours



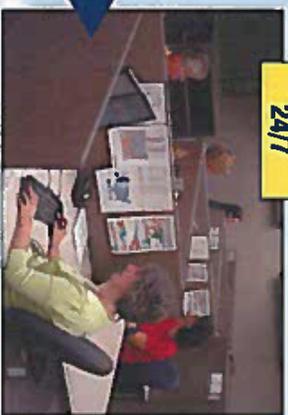
2 Schedules are stored on-site, backed-up at Control-Link Central

Schedules are transmitted from Control-Link Central via digital cellular technology and stored in the on-site equipment controller.



3 Equipment is controlled automatically

Lights and other equipment such as door locks, concession stands, and security lights are operated per your schedules.



Available
24/7

4 Control-Link Central provides support, monitoring, and usage data

Control-Link Central supports you every step of the way. Trained staff provides scheduling support and verification, and monitors your lighting system for lamp outages. Control-Link Central's database stores field usage data by facility and user group.

"Thank you so much for providing such an effective and advanced system for scheduling our lights; it has truly revolutionized the way we work."

— Kelly Barker

Athletic Field Permit Coordinator
Dept. of Parks, Recreation and Marine
City of Long Beach, California

"It's like being an umpire. If people don't know you're there, you did a great job. If there aren't any complaints about the lights, I know the system is doing its job."

— Roger Russomanno

Ballfield Operations Supervisor
Denver, Colo., Parks and Recreation Dept.

"I use Control-Link Central" to enter the weekly schedules so I can spend my time taking care of other things ... They do a great job, week after week."

— John Banks

Park and Recreation Supervisor
Laguna Niguel, California

Control-Link Central™ Call Center

Trained Staff Available 24/7

Meet Our Control-Link Central Team

Control-Link Central provides trained technical assistance with the helpful, "can-do" attitude you expect from Musco, to solve any last-minute change or issue.

Control-Link Central operators oversee on/off control of over 33,000 fields per night and have experience with controlling over 3.3 million schedules per year worldwide.



"We strive to provide a level of service where every customer reaches a live operator, rather than a voice mail system, when they call in. We can make your last-minute scheduling changes happen in just a few minutes."

Ryan Tighe
Control-Link Central Manager

New Lighting Installation

The Control-LinkSM control and monitoring system supplied with new lighting installations provides these features:

- Lighting contactors to handle circuit switching
- Equipment controller to store and execute schedules
- Monitoring module to track system performance and detect problems such as lamp outages
- Key-operated manual switches
- NEMA type 4 rated enclosures
- Factory built and fully tested, ready to install
- Optional remote-mounted switches in a lockable cabinet

Control-Link Control and Monitoring System



Existing Lighting Installation

The Control-Link retrofit control system supplied with existing lighting installations provides these features:

- Interposing relays to drive your existing lighting contactors
- Equipment controller to store and execute schedules
- Key-operated manual switches
- NEMA type 4 rated enclosures
- Factory built and fully tested, ready to install
- Optional remote-mounted switches in a lockable cabinet

Control-Link Retrofit System

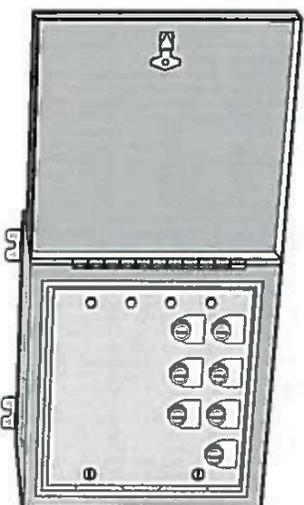


Optional Remote Manual Switches Cabinet

The remote manual switches cabinet provides the option of more convenient switch location for maintenance staff.

Manual Switches Cabinet

- Lockable cabinet helps prevent tampering for outdoor mounted equipment
- Locate up to 300 ft. (wire length) from control cabinet
- Connectors and mating plugs for easy installation



What Our Customers Have to Say

Usage Data is Great

"It's been great. It's ten times better than anything we've tried before. The field usage data is great. Our monthly reports needed for financial planning are more accurate and easy to do. That makes setting user fees much easier. The customer service we continue to get from Musco is excellent. I know I can call them anytime, from anywhere, and they're right there to help, 24 hours a day, 7 days a week."

Judy Flynn

*Former Recreation Supervisor
City of Corona, California*



Corona Park, California

Neighbors Appreciate Control-Link

"We used to get calls from neighbors every once in a while that the lights had been left on, and someone would have to go out in the middle of the night to turn them off. Neighbors have called us saying how much they appreciate the lights being on only when someone is actually using the field."

Scott Whitlaker

*Park & Recreation Director
City of Carrollton, Texas*



Carrollton Sports Complex, Texas

Easy to Operate

"Musco's control and monitoring system is definitely a more proactive approach than our previous system. When there is a problem, the monitoring system allows a warranty specialist to immediately notify us. This is a huge asset, as problems are resolved right away. The system is user friendly, very efficient, and easy to operate. Using a phone to call Control-Link Central™ is much easier than our previous system, which required a laptop to dial in and make changes to a particular facility. The simplicity of this system is very refreshing."

Joe Ross

*Recreation Programmer
City of Riata, Recreation and Community Services
Riata, California*

Customer Service Second to None

"We enjoy the great customer service. The staff answering the phones are so polite and we really appreciate that. We value being able to monitor the usage of the facilities through the website. Control-Link helps ensure that field lights are turned off when they are supposed to be. We no longer receive calls at 1:00 in the morning that the lights were left on. The monitoring system has also been impressive. We received a call during the day that there was a problem with one of the fixtures. After checking the fuses, we replaced one and the system was back to go. The problem was resolved before we would have even been aware there was a problem."

Stephen Cooke

*Sports Manager, Greenville County Recreation Dept.
Assistant District Administrator S.C. District 7 Little League
Greenville, South Carolina*



We Make It Happen.

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Email: lighting@musco.com

United States patents issued. Control-Link is a registered trademark of Musco Corporation in the U.S. Control-Link Central™ is a trademark of Musco Corporation

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Light-Structure
GREEN.

**Town of Braintree
 Department of Public Works: Recreation
 Capital Improvement Project Request Form
 Schedule G-2 Construction/Renovation
 Fiscal Year 2022-Reference R2**

1. Department: DPW
 2. Sub-Department: Recreation
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Rec. & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: Town-Wide Fence Repair and Rehabilitation
 8. Costs: \$300,000
 9. Expenditure Schedule:

FY22	\$75,000
FY23	\$75,000
FY24	\$50,000
FY25	\$50,000
FY26	\$50,000

10. Planning & Design: \$0
 11. Site Improvement & Utilities:
 FY22 \$0
 FY23 \$0
 FY24 \$0
 FY25 \$0
 FY26 \$0
 12. Construction/renovation: \$300,000
 13. Other (Specify):
 14. Cost Totals: \$300,000
 15. Available Aid or Grant (specify):

16. Description and Justification: Inspect, repair, replace or rehabilitate fencing that line town-wide park and recreational facilities and restore them to a state of good repair condition including but not limited to fence posts and chain link fencing material.

17. Submitted by: Chris Griffin
 Rec. & Community Events Coordinator

18. Priority: 3

Town of Braintree
Department of Public Works: Recreation
Capital Improvement Project Request Form
Schedule G-2 Construction/Renovation
Fiscal Year 2022-Reference R3

- | | |
|---------------------------------------|--|
| 1. Department: | DPW |
| 2. Sub-Department: | Recreation |
| 3. Date: | 1/10/2022 |
| 4. Contact Person: | Chris Griffin |
| 5. Contact Title: | Rec. & Community Events Coordinator |
| 6. Phone: | 781-794-8941 |
| 7. Project Name: | Replacement of Park and Court Equipment/Court Repairs |
| 8. Costs: | \$600,000 |
| 9. Expenditure Schedule: | |
| FY22 | \$150,000 |
| FY23 | \$150,000 |
| FY24 | \$100,000 |
| FY25 | \$100,000 |
| FY26 | \$100,000 |
| 10. Planning & Design: | \$0 |
| 11. Site Improvement & Utilities: | |
| FY22 | \$0 |
| FY23 | \$0 |
| FY24 | \$0 |
| FY25 | \$0 |
| FY26 | \$0 |
| 12. Construction/renovation: | \$600,000 |
| 13. Other (Specify): | |
| 14. Cost Totals: | \$600,000 |
| 15. Available Aid or Grant (specify): | |
| 16. Description and Justification: | Multi-year process of rehabilitation and repair to the Town's many outdoor courts and playgrounds. |
| 17. Submitted by: | Chris Griffin
Rec. & Community Events Coordinator |
| 18. Priority: | 3 |

Outdoor Camp Equipment



BSN SPORTS™

P.O. Box 7726, Dallas, TX 75209
TEL: 800-227-7404 FAX: 972-884-7270
Come visit us at www.bsnsports.com

Invoice Number
95368959
Date: 05/30/2013

Remit to:
BSN Sports Inc
PO Box 660176
Dallas, TX 75266-0176

PO Number: Chin - Tennis
Reference Number: 4781415
Terms: N130
Due Date: 06/29/2013

Customer #: 1033921
Bill To: BRAINTREE P & R
85 Quincy Ave
Braintree MA 02184-4416

Ship To: BRAINTREE P & R
NELSON CHIN
249 UNION ST
Braintree MA 02184

Item Number	Item Description	Material	Color/Team/Size	Qty/ UOM	Unit Price	Extended Price
1234404	CLASSIC ROUND POST GREEN	1234404		6 PR	250.00	1,500.00
TN500	TENNIS NET-1 #5000-42 WITH CENTER STRAP	TN50042F		12 EA	140.00	1,680.00
MTCSTRAP	CENTER STRAP	MTCSTRAP		12 EA	5.00	60.00
1234466	TENNIS CTR STRAP GROUND ANCHOR	1234466		12 EA	8.00	96.00
MTRT5XXX	TENNIS POST REEL-GREEN	MTRT5XXX		2 EA	14.00	28.00
1234473	GROUND SLEEVES 3" ROUND	1234473		2 PR	55.00	110.00

Thank you for your order. This invoice completes your purchase order.
For realtime order status and tracking information go to www.bsnsports.com

IMPORTANT NOTE ABOUT OUR INVOICES

We know smooth processing of our invoice is important to you. If you have any questions about this invoice, please call your Accounts Receivable Service Representative (800-227-7404). We will be happy to answer your questions. Please remember to include our invoice number on your payment remittance so we can properly apply your payment to your account. If you prefer to pay via ACH, we will be happy to give you bank instructions.
Thank you for your business.

To better service your account, please include invoice numbers on your remittance

Customer #:1033921

Invoice # 95368959
Due Date: 06/29/2013

Merchandise Sub Total	Other	Freight	Sales Tax	Invoice Total	Payment/Credit Applied	Total Invoice Amount Due
\$3,474.00	\$0.00	\$25.04	\$0.00	\$3,499.04	\$0.00	\$3,499.04

We accept payments by check, credit card, ACH wire and check by phone. Please contact your account rep if you have questions.
If you need a copy of an invoice, please call at 1-800-227-7404 and choose option 2.

*Past due balances are subject to a finance charge of 1.5% per month or the highest rate permitted by applicable law, whichever is lower.



BSN SPORTS™

Invoice Number

95977572

Date: 03/27/2014

Remit to:
BSN Sports Inc
PO Box 660176
Dallas, TX 75266-0176

P.O. Box 7726, Dallas, TX 75209
 TEL: 800-227-7404 FAX: 972-884-7270
 Come visit us at www.bsnsports.com

PO Number: Chin - Tennis Nets
 Reference Number: 5361887
 Terms: NT30
 Due Date: 04/26/2014

Customer #: 1033921
 Bill To: BRAINTREE P & R
 85 Quincey Ave
 Braintree MA 02184-4416

Ship To: BRAINTREE P & R
 Nelson Chin
 249 Union St
 BRAINTREE MA 02184

Item Number	Item Description	Material	Color/Team/Size	Qty/ UOM	Unit Price	Extended Price
TN5004ZF	TENNIS NET-1 #5000-42 W/CENTER STRAP	TN5004ZF	42'	12 EA	140.00	1,680.00

Thank you for your order. This invoice completes your purchase order.
 For realtime order status and tracking information go to www.bsnsports.com

IMPORTANT NOTE ABOUT OUR INVOICES

We know smooth processing of our invoice is important to you. If you have any questions about this invoice, please call your Accounts Receivable Service Representative (800-227-7404). We will be happy to answer your questions. Please remember to include our invoice number on your payment remittance so we can properly apply your payment to your account. If you prefer to pay via ACH, we will be happy to give you bank instructions.

Thank you for your business.

To better service your account, please include invoice numbers on your remittance

Customer #:1033921

Invoice # 95977572
 Due Date: 04/26/2014

Merchandise Sub Total	Other	Freight	Sales Tax	Invoice Total	Payment/Credit Applied	Total Invoice Amount Due
\$1,680.00	\$0.00	\$24.00	\$0.00	\$1,704.00	\$0.00	\$1,704.00

We accept payments by check, credit card, ACH wire and check by phone. Please contact your account rep if you have questions.
 If you need a copy of an invoice, please call at 1-800-227-7404 and choose option 2.

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BSN SPORTS™

Invoice Number

96156249

Date: 06/19/2014

Remit to:
BSN Sports Inc
PO Box 660176
Dallas, TX 75266-0176

P.O. Box 7726, Dallas, TX 75209
TEL: 800-227-7404 FAX: 972-884-7270
Come visit us at www.bsnsports.com

PO Number: **Chin06192014**
Reference Number: 5542412
Terms: NT30
Due Date: 07/19/2014

Customer #: 1033921
Bill To: BRAINTREE P & R
85 Quincy Ave
BRAINTREE MA 02184-4416

Ship To: BRAINTREE P & R
249 Union St.
BRAINTREE MA 02184

Item Number	Item Description	Material	Color/Team/Size	Qty/ UOM	Unit Price	Extended Price
1038859	ULTIMATE PLAYGROUND GOAL	1038859		12 EA	99.99	1,199.88
1343045	WHITE COATED BACKBOARD W/GOAL AND NET	1343045		6 EA	415.90	2,495.40
SNBNPBRY	BRAIDED POLYETHYLENE BASKETBALL NET	SNBNPBRY		50 EA	2.85	142.50

Thank you for your order. This invoice completes your purchase order.
For realtime order status and tracking information go to www.bsnsports.com

IMPORTANT NOTE ABOUT OUR INVOICES

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Thank you for your business.

To better service your account, please include invoice numbers on your remittance

Customer #:1033921

Invoice # 96156249
Due Date: 07/19/2014

Merchandise Sub Total	Other	Freight	Sales Tax	Invoice Total	Payment/Credit Applied	Total Invoice Amount Due
\$3,837.78	\$0.00	\$150.02	\$0.00	\$3,987.80	\$0.00	\$3,987.80

We accept payments by check, credit card, ACH wire and check by phone. Please contact your account rep if you have questions.

If you need a copy of an invoice, please call at 1-800-227-7404 and choose option 2.

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BSN SPORTS

Invoice Number

96217418

Date: 07/24/2014

Remit to:
BSN Sports Inc
PO Box 660176
Dallas, TX 75266-0176

P.O. Box 7726, Dallas, TX 75209
TEL: 800-227-7404 FAX: 972-884-7270
Come visit us at www.bsnsports.com

PO Number: ~~GHM - PICKLEBALL~~
Reference Number: 5592051
Terms: NT30
Due Date: 08/23/2014

Customer #: 1033921
Bill To: BRAINTREE P & R
85 Quincy Ave
BRAINTREE MA 02184-4416

Ship To: BRAINTREE P & R
85 Quincy Ave
BRAINTREE MA 02184-4416

Item Number	Item Description	Material	Color/Team/Size	Qty/ UOM	Unit Price	Extended Price
1364661	Pickleball Tournament Set	1364661		1 SET	227.10	227.10
45085	QUICK-MARK BOUNDARY MARKERS-ORANGE	45085XXX	Orange	2 SET	49.85	99.70

Thank you for your order. This invoice completes your purchase order.
For realtime order status and tracking information go to www.bsnsports.com

APC 01-40062-6115

AMOUNT
Acct # 0140062-6115
346.80
Vendor # 61613
Nancy

IMPORTANT NOTE ABOUT OUR INVOICES

We know smooth processing of our invoice is important to you. If you have any questions about this invoice, please call your Accounts Receivable Service Representative (800-227-7404). We will be happy to answer your questions. Please remember to include our invoice number on your payment remittance so we can properly apply your payment to your account. If you prefer to pay via ACH, we will be happy to give you bank instructions.

Thank you for your business.

To better service your account, please include invoice numbers on your remittance

Customer #: 1033921

Invoice # 96217418
Due Date: 08/23/2014

Merchandise Sub Total	Other	Freight	Sales Tax	Invoice Total	Payment/Credit Applied	Total Invoice Amount Due
\$326.80	\$0.00	\$20.00	\$0.00	\$346.80	\$0.00	\$346.80

We accept payments by check, credit card, ACH wire and check by phone. Please contact your account rep if you have questions.

If you need a copy of an invoice, please call at 1-800-227-7404 and choose option 2.

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10-17

BSN SPORTS™



Invoice Number

96269984

Date: 08/19/2014

Remit to:
BSN Sports Inc
PO Box 660176
Dallas, TX 75266-0176

P.O. Box 7726, Dallas, TX 75209
TEL: 800-227-7404 FAX: 972-884-7270
Come visit us at www.bsnsports.com

PO Number: Chin - Tennis
Reference Number: 5658947
Terms: NT30
Due Date: 09/18/2014

Customer #: 1033921
Bill To: BRAINTREE P & R
85 Quincey Ave
BRAintree MA 02184-4416

Ship To: BRAINTREE P & R
249 Union Street
BRAintree MA 02184

Item Number	Item Description	Material	Color/Team/Size	Qty/ UOM	Unit Price	Extended Price
1234404	CLASSIC ROUND POST GREEN	1234404		2 PR	215.52	431.04

Thank you for your order. This invoice completes your purchase order.
For realtime order status and tracking information go to www.bsnsports.com

01-40062-6115

IMPORTANT NOTE ABOUT OUR INVOICES

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Thank you for your business.

To better service your account, please include invoice numbers on your remittance

Customer #:1033921

Invoice # 96269984
Due Date: 09/18/2014

Merchandise Sub Total	Other	Freight	Sales Tax	Invoice Total	Payment/Credit Applied	Total Invoice Amount Due
\$431.04	\$0.00	\$25.00	\$0.00	\$456.04	\$0.00	\$456.04

We accept payments by check, credit card, ACH wire and check by phone. Please contact your account rep if you have questions.

If you need a copy of an invoice, please call at 1-800-227-7404 and choose option 2.

*Past due balances are subject to a finance charge of 1.5% per month or the highest rate permitted by applicable law, whichever is lower.



Invoice Number

96305944

Date: 09/02/2014

Remit to:
BSN Sports Inc
PO Box 660176
Dallas, TX 75266-0176

P.O. Box 7726, Dallas, TX 75209
TEL: 800-227-7404 FAX: 972-884-7270
Come visit us at www.bsnsports.com

PO Number: Chin - Soccer Goals
Reference Number: 5692096
Terms: NT30
Due Date: 10/02/2014

Customer #: 1033921
Bill To: BRAINTREE P & R
85 Quincy Ave
BRAINTREE MA 02184-4416

Ship To: BRAINTREE P & R
249 UNION ST
BRAINTREE MA 02184

Item Number	Item Description	Material	Color/Team/Size	Qty/ UOM	Unit Price	Extended Price
SGA320	3" Classic Alumagal 8' X 24' NATURAL	SGA320		2 PR	1,699.00	3,398.00

Thank you for your order. This invoice completes your purchase order.
For realtime order status and tracking information go to www.bsnsports.com

o/c # 01 - 40062 - 6115

IMPORTANT NOTE ABOUT OUR INVOICES

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Thank you for your business.

To better service your account, please include invoice numbers on your remittance

Customer #: 1033921

Invoice # 96305944
Due Date: 10/02/2014

Merchandise Sub Total	Other	Freight	Sales Tax	Invoice Total	Payment/Credit Applied	Total Invoice Amount Due
\$3,398.00	\$0.00	\$0.00	\$0.00	\$3,398.00	\$0.00	\$3,398.00

We accept payments by check, credit card, ACH wire and check by phone. Please contact your account rep if you have questions.

If you need a copy of an invoice, please call at 1-800-227-7404 and choose option 2.

*Past due balances are subject to a finance charge of 1.5% per month or the highest rate permitted by applicable law, whichever is lower.



BSN SPORTS™

Invoice Number

96447149

Date: 10/27/2014

Remit to:
BSN Sports Inc
PO Box 660176
Dallas, TX 75266-0176

P.O. Box 7726, Dallas, TX 75209
 TEL: 800-227-7404 FAX: 972-884-7270
 Come visit us at www.bsnsports.com

PO Number: Chin - Pickleball Ba
 Reference Number: 5807309
 Terms: NT30
 Due Date: 11/26/2014

Customer #: 1033921
 Bill To: BRAINTREE P & R
 85 Quincy Ave
 BRAINTREE MA 02184-4416

Ship To: BRAINTREE P & R
 85 Quincy Ave
 BRAINTREE MA 02184-4416

Item Number	Item Description	Material	Color/Team/Size	Qty/ UOM	Unit Price	Extended Price
1384886	JUGS BULLDOG POLY BALLS	K13567		3 DZN	14.25	42.75

Thank you for your order. This invoice completes your purchase order.
 For realtime order status and tracking information go to www.bsnsports.com

A/c # 01-40062-6115

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Thank you for your business.

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Customer #:1033921

Invoice # 96447149
 Due Date: 11/26/2014

Merchandise Sub Total	Other	Freight	Sales Tax	Invoice Total	Payment/Credit Applied	Total Invoice Amount Due
\$42.75	\$0.00	\$6.20	\$0.00	\$48.95	\$0.00	\$48.95

We accept payments by check, credit card, ACH wire and check by phone. Please contact your account rep if you have questions.

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Invoice Number

BSN SPORTS
PARK DEPARTMENT
Date: 10/30/2014

Remit to:
BSN Sports Inc
PO Box 660176
Dallas, TX 75266-0176

P.O. Box 7726, Dallas, TX 75209
TEL: 800-227-7404 FAX: 972-884-7270
Come visit us at www.bsnsports.com

PO Number: Chin - Basketball Sy
Reference Number: 5824199
Terms: NT30
Due Date: 11/29/2014

Customer #: 1033921
Bill To: BRAINTREE P & R
85 Quincy Ave
BRAINTREE MA 02184-4416

Ship To: BRAINTREE P & R
245 Union Street
BRAINTREE MA 02184

Item Number	Item Description	Material	Color/Team/Size	Qty/ UOM	Unit Price	Extended Price
5005WBXX	MAC 4.5" GOOSENECK BASKETBALL SYSTEM-WB	5005WBXX		1 EA	652.00	652.00

Thank you for your order. This invoice completes your purchase order.
For realtime order status and tracking information go to www.bsnsports.com

A/C # 01-40062-6115

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Thank you for your business.

To better service your account, please include invoice numbers on your remittance

Customer #:1033921

Invoice # 96458026
Due Date: 11/29/2014

Merchandise Sub Total	Other	Freight	Sales Tax	Invoice Total	Payment/Credit Applied	Total Invoice Amount Due
\$652.00	\$0.00	\$132.52	\$0.00	\$784.52	\$0.00	\$784.52

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BSNSPORTS

P.O. Box 7726, Dallas, TX 75209
TEL: 800-227-7404 FAX: 972-884-7270
Come visit us at www.bsnsports.com

Invoice Number
97223380
Date: 09/18/2015

Remit to:
BSN SPORTS, LLC
PO Box 660176
Dallas, TX 75266-0176

PO Number: Chinn - gooseneck
Reference Number: 6562983
Terms: NT30
Due Date: 10/18/2015

Customer #: 1033921
Bill To: BRAINTREE P & R
85 Quincy Ave
BRAINTREE MA 02184-4416

Ship To: BRAINTREE P & R
249 Union Street
BRAINTREE MA 02184-4416

Item Number	Item Description	Material	Color/Team/Size	Qty/ UOM	Unit Price	Extended Price
5005WBXX	MAC 4.5" GOOSENECK BASKETBALL SYSTEM-WB	5005WBXX		1 EA	649.62	649.62
1061086	ECONOMY BASKETBALL GOAL	1061086		12 EA	45.59	547.08

Thank you for your order. This invoice completes your purchase order.
For realtime order status and tracking information go to www.bsnsports.com

BRAINTREE PARKS/RECREATION
Acct # _____ P.O.# _____ COM | AB/DU/HT
Vendor # _____
APP. FOR PAYMT. _____

IMPORTANT NOTE ABOUT OUR INVOICES

We know smooth processing of our invoice is important to you. If you have any questions about this invoice, please call your Accounts Receivable Service Representative (800-227-7404). We will be happy to answer your questions. Please remember to include our invoice number on your payment remittance so we can properly apply your payment to your account. Enjoy the benefits of online access. To enroll online or pay as a guest, go to www.BSNBilling.com.
Thank you for your business.

To better service your account, please include invoice numbers on your remittance

Customer #:1033921

Invoice # 97223380
Due Date: 10/18/2015

Merchandise Sub Total	Other	Freight	Sales Tax	Invoice Total	Payment/Credit Applied	Total Invoice Amount Due
\$1,196.70	\$0.00	\$0.00	\$0.00	\$1,196.70	\$0.00	\$1,196.70

We accept payments by check, credit card, ACH, wire, and check by phone. Please contact your account rep if you have questions.

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**Town of Braintree
 Department of Public Works: Recreation
 Capital Improvement Project Request Form
 Schedule G-2 Construction/Renovation
 Fiscal Year 2022-Reference R4**

- | | |
|-----------------------------------|---|
| 1. Department: | DPW |
| 2. Sub-Department: | Recreation |
| 3. Date: | 1/10/2022 |
| 4. Contact Person: | Chris Griffin |
| 5. Contact Title: | Rec. & Community Events Coordinator |
| 6. Phone: | 781-794-8941 |
| 7. Project Name: | Field Repair and Rehabilitation Project |
| 8. Costs: | \$600,000 |
| 9. Expenditure Schedule: | |
| FY22 | \$150,000 |
| FY23 | \$150,000 |
| FY24 | \$100,000 |
| FY25 | \$100,000 |
| FY26 | \$100,000 |
| 10. Planning & Design: | \$0 |
| 11. Site Improvement & Utilities: | |
| FY22 | \$0 |
| FY23 | \$0 |
| FY24 | \$0 |
| FY25 | \$0 |
| FY26 | \$0 |
| 12. Construction/renovation: | \$600,000 |
| 13. Other (Specify): | |
| 14. Cost Totals: | \$600,000 |

15. Available Aid or Grant (specify):
 16. Description and Justification:

Repair and rehabilitate the many baseball, softball and soccer fields in the Town of Braintree and return them to a state of good repair. It also factors infrastructure improvements including but not limited to the inspection/repair/replacement/installation of fence posts and chain link fencing material, especially the backstop, player benches, protective fencing in front of player benches and spectator bleachers.

- | | |
|-------------------|-------------------------------------|
| 17. Submitted by: | Chris Griffin |
| | Rec. & Community Events Coordinator |
| 18. Priority: | 3 |

Town of Braintree
All Departments Expenditure Report
From 07/01/2016 to 06/30/2017

30 - TOWN CAPITAL PROJECTS		Original	Revised	Amended				
Account	Description	Budget	Budget	Budget	Enc	Exp	Balance	% Exp
30-01664-6261	FY17 ADA COMPLIANCE BUILDING REPAIR	\$75,000.00	\$0.00	\$75,000.00	\$0.00	\$0.00	\$75,000.00	0.00 %
30-01664-6262	FY17 ELECTRONIC ARCHIVING SYSTEM	\$89,000.00	\$0.00	\$89,000.00	\$0.00	\$0.00	\$89,000.00	0.00 %
30-01664-6036	FY17 TOWN HALL BUILDING RENOVATIONS	\$478,000.00	\$0.00	\$478,000.00	\$0.00	\$0.00	\$478,000.00	0.00 %
30-01664-6258	FY17 TELEPHONE SYSTEM	\$144,000.00	\$0.00	\$144,000.00	\$0.00	\$0.00	\$144,000.00	0.00 %
30-01664-6257	FY17 TOWN CLERK POLLING BOOKS	\$75,000.00	\$0.00	\$75,000.00	\$0.00	\$0.00	\$75,000.00	0.00 %
30-01664-6259	FY17 POLICE EVIDENCE ROOM	\$200,000.00	\$0.00	\$200,000.00	\$0.00	\$0.00	\$200,000.00	0.00 %
30-01664-6260	FY17 FIRE ENGINE	\$600,000.00	\$0.00	\$600,000.00	\$0.00	\$0.00	\$600,000.00	0.00 %
30-01664-6203	FY17 SCHOOL TECHNOLOGY	\$300,000.00	\$0.00	\$300,000.00	\$0.00	\$0.00	\$300,000.00	0.00 %
30-01664-6254	FY17 SCHOOL BUILDING REPAIRS ROOF		\$121,834.41	\$121,834.41	\$0.00	\$0.00	\$121,834.41	0.00 %
30-01664-6255	FY17 SCH. BUILDING REPAIRS FLOORING		\$250,000.00	\$250,000.00	\$0.00	\$0.00	\$250,000.00	0.00 %
30-01664-6256	FY17 SCH BUILDING REPAIRS PLUMBING	\$80,000.00	\$70,000.00	\$150,000.00	\$0.00	\$0.00	\$150,000.00	0.00 %
30-01664-6264	FY17 SCH PAVING AND LANDSCAPE	\$100,000.00	\$0.00	\$100,000.00	\$0.00	\$0.00	\$100,000.00	0.00 %
30-01664-6146	FY17 ROAD IMPROVEMENTS	\$1,700,000.00	\$0.00	\$1,700,000.00	\$0.00	\$0.00	\$1,700,000.00	0.00 %
30-01664-6197	FY17 HIGHWAY VEHICLES & EQUIPMENT	\$414,000.00	\$0.00	\$414,000.00	\$0.00	\$0.00	\$414,000.00	0.00 %
30-01664-6263	FY17 ELDER AFFAIRS PAVING	\$15,000.00	\$0.00	\$15,000.00	\$0.00	\$0.00	\$15,000.00	0.00 %
30-01664-6265	FY17 DPW SHAW ST. BRIDGE	\$315,000.00	\$0.00	\$315,000.00	\$0.00	\$0.00	\$315,000.00	0.00 %
30-01664-6163	FY17 CEMETERY & GROUND EQUIPMENT	\$97,000.00	\$0.00	\$97,000.00	\$0.00	\$0.00	\$97,000.00	0.00 %
30-01664-6103	FY17 LIBRARY BUILDING RENOVATIONS	\$100,000.00	\$0.00	\$100,000.00	\$0.00	\$0.00	\$100,000.00	0.00 %
30-01664-6200	FY17 RECREATION PLAYGROUND REPAIRS	\$164,000.00	\$0.00	\$164,000.00	\$0.00	\$0.00	\$164,000.00	0.00 %
30-01664-6239	FY17 RECREATION FIELD REPAIRS	\$100,000.00	\$0.00	\$100,000.00	\$0.00	\$0.00	\$100,000.00	0.00 %
30-01664-6266	FY17 RECREATION FENCE REPAIRS	\$50,000.00	\$0.00	\$50,000.00	\$0.00	\$0.00	\$50,000.00	0.00 %
01664 - CO 16-064 Total		\$5,096,000.00	\$441,834.41	\$5,537,834.41	\$0.00	\$0.00	\$5,537,834.41	0.00 %
016 Total		\$5,096,000.00	\$441,834.41	\$5,537,834.41	\$0.00	\$0.00	\$5,537,834.41	0.00 %
30 - TOWN CAPITAL PROJECTS Total		\$12,065,000.00	\$3,624.63	\$12,068,624.63	\$281,824.59	\$2,147,620.51	\$9,639,179.53	20.13 %
Grand Total		\$12,065,000.00	\$3,624.63	\$12,068,624.63	\$281,824.59	\$2,147,620.51	\$9,639,179.53	20.13 %

Fields & Fences Remain

**Town of Braintree
 Department of Public Works: Recreation
 Capital Improvement Project Request Form
 Schedule G-2 Construction/Renovation
 Fiscal Year 2022-Reference R5**

- | | |
|---------------------------------------|--|
| 1. Department: | DPW |
| 2. Sub-Department: | Recreation |
| 3. Date: | 1/10/2022 |
| 4. Contact Person: | Chris Griffin |
| 5. Contact Title: | Rec. & Community Events Coordinator |
| 6. Phone: | 781-794-8941 |
| 7. Project Name: | Installation of an All-Weather Track Resurface at Braintree High School. |
| 8. Costs: | \$194,000 |
| 9. Expenditure Schedule: | |
| FY22 | \$194,000 |
| FY23 | \$0 |
| FY24 | \$0 |
| FY25 | \$0 |
| FY26 | \$0 |
| 10. Planning & Design: | \$0 |
| 11. Site Improvement & Utilities: | |
| FY22 | \$0 |
| FY23 | \$0 |
| FY24 | \$0 |
| FY25 | \$0 |
| FY26 | \$0 |
| 12. Construction/renovation: | \$194,000 |
| 13. Other (Specify): | |
| 14. Cost Totals: | \$194,000 |
| 15. Available Aid or Grant (specify): | |
| 16. Description and Justification: | Installation of an all-weather track resurface at Braintree High School. The existing track surface is a BSS-100 polyurethane system manufactured by Beynon Sports Surfaces and installed by Cape & Island Tennis & Track. The proposed method of resurfacing is in accordance with manufacturer recommendations for this type of surface system. Track was previously resurfaced in 2011. |
| 17. Submitted by: | Chris Griffin
Rec. & Community Events Coordinator |
| 18. Priority: | 3 |



October 8, 2019

Braintree High School
Mr. Michael Denise – Director of Athletics
348 Pond St
Braintree, MA 02184

Running Track Resurfacing Proposal
Braintree, MA

Cape & Island Tennis & Track is pleased to present the following proposal for the installation of an all-weather track resurface at Braintree High School in Braintree, MA. Prices are based on the NCPA (National Cooperative Purchasing Alliance) program. NCPA provides competitively solicited pricing for preferred products and services. Because these products and services have been bid at a national level, individual public entities do not need to duplicate their own bid process.

The existing track surface is a BSS-100 polyurethane system manufactured by Beynon Sports Surfaces of Hunt Valley, MD; and installed by Cape & Island Tennis & Track. The proposed method of resurfacing is in accordance with manufacturer recommendations for this type of surface system.

Please Note: This track proposal is for installation during the summer of 2020.

Owner to provide:

Suitable Access for Trucks
Access to Potable Water

CIT&T to Perform:

Clean Track.
Perform Miscellaneous track surface repairs to surface in various locations around track.
Fill and seal existing cracks.

Polyurethane Structural Spray (Existing Surface)

Provide and install two coats of Blue Polyurethane Structural Spray at a total rate of 3.6 lbs per square yard to existing track surface area. Coating consists of .5-2mm EPDM rubber granules and blue pigmented aliphatic polyurethane. Manufactured by Beynon Sports Surfaces; Hunt Valley, MD. Approximate area 7,800 square yards.

Surface Project Managed by ***ASBA Certified Track Builder***

Line striping and marking track.
Owner to provide "BRAINTREE" and "WAMPS" stencil in condition suitable for use.
"As Built" drawing for striping only.
Certification and calculations for striping.
Prevailing wages and certified payroll

Bid Price for Surface Repair and Blue Structural Spray: \$176,400

Please Note: The NCPA bid price is for red or black. There was/is additional cost for blue and for the stencil.

Authorized Signature:  Date: 10 / 8 / 2019
Kristoff Eldridge, CTB
Marketing/Operations

Acceptance of Proposal

If the foregoing meets with your acceptance, kindly sign and return the attached copy of our proposal. Upon its receipt it is understood the foregoing, including the terms and conditions set forth above, will constitute the full and complete agreement between us.

Authorized Signature: _____ Date: ____/____/____

This contract expires thirty days from the date hereof, but may be accepted at any later date at the sole option of Cape & Island Tennis & Track.

Note: Your account will be subject to a service charge of 1.5% per month (18% per annum) on all invoices not paid within our normal payment term.

Town of Braintree
Department of Public Works: Recreation
Capital Improvement Project Request Form
Schedule G-2 Construction/Renovation
Fiscal Year 2022-Reference R6

1. Department: DPW
2. Sub-Department: Recreation
3. Date: 1/10/2022
4. Contact Person: Chris Griffin
5. Contact Title: Rec. & Community Events Coordinator
6. Phone: 781-794-8941
7. Project Name: ADA Issues
8. Costs: \$250,000
9. Expenditure Schedule:

FY22	\$50,000
FY23	\$50,000
FY24	\$50,000
FY25	\$50,000
FY26	\$50,000
10. Planning & Design: \$0
11. Site Improvement & Utilities:

FY22	\$0
FY23	\$0
FY24	\$0
FY25	\$0
FY26	\$0
12. Construction/renovation: \$250,000
13. Other (Specify):
14. Cost Totals: \$250,000
15. Available Aid or Grant (specify):
16. Description and Justification: Needed to address ongoing ADA issues
17. Submitted by: Chris Griffin
Rec. & Community Events Coordinator
18. Priority: 3

**Town of Braintree
 Department of Public Works: Recreation
 Capital Improvement Project Request Form
 Schedule G-2 Construction/Renovation
 Fiscal Year 2022-Reference R7**

1. Department: DPW
 2. Sub-Department: Recreation
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Rec. & Community Events Coordinator
 6. Phone: 781-794-8941

7. Project Name: Design & Engineering Services for the installation of an Artificial Turf Field at Braintree High School's Varsity Baseball Field.

8. Costs: \$250,000

9. Expenditure Schedule:

FY22	\$50,000
FY23	\$100,000
FY24	\$100,000
FY25	\$0
FY26	\$0

10. Planning & Design: \$0

11. Site Improvement & Utilities:

FY22	\$0
FY23	\$0
FY24	\$0
FY25	\$0
FY26	\$0

12. Construction/renovation: \$250,000

13. Other (Specify):

14. Cost Totals: \$250,000

15. Available Aid or Grant (specify):

16. Description and Justification: Design and engineering services associated with the installation of an artificial turf field at Braintree High School's Varsity baseball field including but not limited to backstops, fencing, dugouts, scoreboards and flagpoles and one (1) building with a footprint of no more than one thousand (1,000) square feet for purposes of providing public restrooms, a concession area and a storage area for equipment.

17. Submitted by: Chris Griffin
 Rec. & Community Events Coordinator

18. Priority: 3

File (4) Performance Fees - Alex Spinning Sr.

BK 16869PG518

**ORDER OF TAKING
COMMONWEALTH OF MASSACHUSETTS
METROPOLITAN DISTRICT COMMISSION**

RECEIVED AND RECORDED
NORFOLK COUNTY
REGISTRY OF DEEDS
DORCHESTER, MA
CERTIFY
Paul D. Harold
PAUL D. HAROLD, REGISTER

Boston, June 27, 2002

ORDERED : That the Metropolitan District Commission by virtue of the power and authority conferred upon it by Chapter 564 of the Acts of 1987, Section 33 and 79 of Chapter 92 of the General Laws, and Sections 30, 31 and 32 of Chapter 184 of the General Laws, and acts in amendment thereof or in addition thereto and every other power and authority hereto enabling, for park and reservation and protection of open space purposes, does hereby order the taking of and does hereby take under the provisions of Chapter 79 of the General Laws, a conservation restriction in the name and for the benefit of the Commonwealth of Massachusetts, in the following described land situated in the Town of Braintree in the County of Norfolk and Commonwealth of Massachusetts, namely:

A certain tract or parcel of land, lying on the southwesternly side of West Street and the northwesterly side of Granite Street, shown upon the survey plan cited below at the conclusion of this description, and recorded with Norfolk County Registry of Deeds as Plan No. 340 of 1996 in Plan Book 439.

Beginning at a point in the southwestly line of the 1923 Norfolk County Record Layout of West Street, at the northeasterly corner of the tract or parcel herein being described, said point being at the northwesterly terminus of a stone wall, and at the northwesterly corner of abutting land, now or formerly, of George P. Perkins (see the deed recorded with Norfolk Registry of Deeds at Book 11469, Page 490 and, the plan it references, dated May 25, 1897);

Thence S. 67° 49' 47" E., 105.35 feet, by the stone wall, and land, now or formerly, of Perkins, to a point at the southeasterly end of the wall, at an angle in the line;

Thence S. 02° 23' 42" E., 130.31 feet, by the westerly line of land, now or formerly of Perkins, to an iron pipe found at the northwesterly corner of other abutting land, formerly of one McGovern, now or formerly, of 579 Granite Street LLC (see the deed recorded with said Deeds at Book 13548, Page 367, and the plan recorded with said Deeds as Plan No. 285 of 1992 in Plan Book 285);

Thence S. 05° 11' 45" W., 152.68 feet, by the westerly line of land, formerly of McGovern, to a point at the northwesterly corner of other abutting land, now or formerly, of Durkin Donuts (see the deed recorded with said Deeds at Book 5390, Page 261);

Metropolitan District Commission
Office of the General Counsel
20 Somersel Street
Boston, MA 02108

LOCATION OF PROPERTY: Granite and West Streets, Braintree, MA
MDC OGC FILE NO.: P-000039

120886

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- Thence S. 04° 13' 26" W., 125.99 feet, by the westerly line of land, now or formerly, of Dunkin Donuts, to a point at the northwesterly corner of (registered) land, now or formerly, of Blue Ridge Offices (see L.C. Plan No. 11796A Lots B & C);
- Thence S. 08° 35' 09" W., 120.10 feet, by the westerly line of land, now or formerly, of Blue Ridge Offices, to a point at an angle in the line;
- Thence S. 17° 07' 30" W., 71.29 feet, by the westerly line of land, now or formerly, of Blue Ridge Offices, to a point at an angle in the line;
- Thence S. 07° 25' 30" W., 992.00 feet, by the westerly line of land, now or formerly, of Blue Ridge Offices, to a stone bound with drill hole found at the southwesterly corner of said abutting land;
- Thence S. 74° 13' 00" E., 170.51 feet, by the southerly line of land, now or formerly, of Blue Ridge Offices, to another stone bound with drill hole found at the southwesterly corner of other abutting land, now or formerly, of Francis X. Messina (see the deed recorded with said Deeds at Book 9277, Page 353);
- Thence S. 66° 56' 45" E., 122.55 feet, by the southerly line of land, now or formerly, of Messina, to a point in the northwesterly line of the 1934 Norfolk County Record Layout of Granite Street;
- Thence S. 22° 07' 30" W., 68.60 feet, by the record layout line of the street, to a point therein, where a stone bound should be located, per the 1934 Norfolk County Layout of Granite Street;
- Thence S. 22° 07' 30" W., 221.40 feet, by the record layout line of the street, to a point at the southeasterly corner of the parcel or tract being described herein, said point being also at the northeasterly corner of abutting land, now or formerly, of one Ideal A. & Egista M. Fabrizio (see the deed recorded with said Deeds at Book 3513, Page 205);
- Thence N. 89° 40' 43" W., 446.87 feet, by the northerly line of land, now or formerly, of I.A. & E.M. Fabrizio, entering and running through a stone wall, to a point in a stone wall corner, at the northwesterly corner of land, now or formerly, of Fabrizio, said wall corner being at an angle in the line of land, formerly of the United States Postal Service, and now or formerly, of Francis X. Messina (see the deed recorded with said Deeds at Book 14800, Page 443 and see also the plan recorded with said Deeds as Plan No. 318 of 1975 in Plan Book 249);
- Thence N. 06° 02' 41" W., 128.60 feet, running through the stone wall to a point at an angle in the line;
- Thence N. 13° 24' 59" W., 102.59 feet, to another point at another angle in the line;
- Thence N. 17° 14' 55" W., 185.72 feet, to another point at another angle in the line;

BK 16869PG520

- Thence N. 07° 08' 03" W., 26.63 feet, to a point at the end of a stone wall, at another angle in the line;
- Thence N. 42° 00' 36" W., 26.05 feet, by the stone wall, to an angle at a point therein;
- Thence N. 57° 31' 17" W., 63.30 feet, by the stone wall, to another angle at a point therein;
- Thence N. 35° 55' 44" W., 93.05 feet, by the stone wall, to another angle at another point therein;
- Thence N. 31° 05' 44" W., 82.54 feet, by the stone wall, to a drill hole found at a point therein;
- Thence N. 31° 36' 44" W., 70.40 feet, by the stone wall, to a point at an angle therein;
- Thence N. 20° 15' 44" W., 44.10 feet, by the stone wall, to another drill hole found at a point therein;
- Thence N. 38° 28' 44" W., 123.28 feet, by the stone wall, to another drill hole found at another point therein;
- Thence N. 37° 48' 21" W., 146.62 feet, by the stone wall, to a point at an angle therein;
- Thence N. 43° 22' 41" W., 90.13 feet, by the stone wall, to a point in a stone wall corner, said corner being at the southernmost point of land, now or formerly, of Peter & Maria Tassiopoulos (see the deed recorded with said Deeds at Book 6093, Page 541 and the plan referenced therein, recorded as Plan No. 55 of 1947), the last thirteen courses being by land, now or formerly, of F.X. Messina;
- Thence N. 58° 27' 46" E., 92.29 feet, by land, now or formerly, of Tassiopoulos, and the stone wall, to a point at an angle therein;
- Thence N. 51° 41' 57" E., 256.51 feet, partially by land, now or formerly, of Tassiopoulos, and partially by land, formerly of Fred A. & Doris J. Chandler, now or formerly, of Jeffrey G. & Marcia A. Burns (see the deed recorded with said Deeds at Book 11029, Page 90 and the plan recorded as Plan No. 544 of 1939), still by the stone wall, to a drill hole found at a point therein;
- Thence N. 53° 02' 48" E., 22.50 feet, by land, now or formerly, of Burns, and the stone wall, to a point in a stone wall corner, said corner being the southwesternly corner of land, now or formerly, of Charles F. & Dorothy E. Opferkuch, Trustees (see the deed recorded with said Deeds at Book 15247, Page 332);
- Thence S. 09° 17' 17" E., 5.00 feet, by land, now or formerly, of C.F. & D.E. Opferkuch, and the stone wall, to a drill hole found in another stone wall corner;
- Thence N. 58° 08' 14" E., 192.30 feet, by and through the easterly end of the wall, partially by land, now or formerly, of the aforesaid Opferkuch, and partially by land, now or formerly, of Warren B. & Joanne French (see the deed recorded

BK 16869PG521

with said Deeds at Book 3574, Page 179), and running into and by another stone wall segment, to a point at an angle therein;

Thence N. 38° 33' 02" E., 47.70 feet, by the stone wall and by land, now or formerly, of the aforesaid French, to a point in the southwesterly layout line of the 1923 Norfolk County Record Layout of West Street;

Thence Southeasterly, by the record layout line of the street, along the arc of a curve to the right, having a radius of 1183.20 feet, an arc distance of 41.89 feet, to a point of tangency;

Thence S. 86° 38' 28" E., 46.97 feet, by the record layout line of the street, to a point of curvature therein;

Thence Southeasterly, by the record layout line of the street, along the arc of a curve to the left, having a radius of 840.42 feet, an arc distance of 254.94 feet, to a point at the northwesterly end of a stone wall, at the northwesterly corner of land, now or formerly of the aforesaid Perkins, being the first mentioned point, the point and place of beginning.

Containing 831,295 square feet, more or less, or 19.1 acres, more or less, as shown upon a survey plan entitled "Plan Of Land Granitic + West St.'s., Braintree Norfolk County MA (Prepared For: School Fund Trust Committee), dated 5-6-1996, prepared by Yunis Engineering Company, Inc., Consulting Engineers 11 Technical Park Drive Holbrook Mass, Robert N. Blackman R.L.S. No. 30333, which plan is recorded with Norfolk Registry of Deeds as Plan No. 340 of 1996 in Plan Book 439.

(See also an earlier plan entitled "Plan of Land in Braintree, Mass., belonging to Braintree School Fund", dated April 1905, showing an area of 19.096 acres, which plan is presumably of record with said Deeds.)

The above described parcel is represented as Parcel 40 on Braintree Assessors Plan No. 2048.

The aforementioned parcel is supposed to be owned by the following owner:

OWNER

Town of Braintree

RESTRICTION AREA TAKEN

831,295 square feet or 19.1 acres

Meaning and intending to take hereby a preservation restriction and conservation easement in, on and to the above premises, howsoever the same may be bounded and described, and being the same premises as described in an Order of Taking by the Town of Braintree, dated September 13, 1954, and recorded with Norfolk Registry of Deeds in Book 3299, Page 327.

AND IN LIKE MANNER, for the same purposes and in virtue of the same powers, the said Metropolitan District Commission does hereby order the taking of and does hereby take in the name and for the benefit of the Commonwealth of Massachusetts, for the purposes of said acts and provisions, all such rights, including easements, privileges and appurtenances of every name and nature as may be necessary to give full force, virtue and effect, to the following restrictions on the use of the parcels of land hereinabove described:

1. No construction or placing of buildings or structures or parts thereof, or roads or portions thereof, shall be permitted on said premises, except for the construction, placement, maintenance, repair and replacement, of no more than four (4) multi-purpose recreational fields to be sited within that southerly portion of the premises known as Parcel A and shown on EXHIBIT "A" which is attached hereto and incorporated herein. Within said Parcel A, the Town of Braintree may construct or place attendant facilities and structures specifically contemplated for such recreational uses, including but not limited to backstops, fencing, viewing stands, scoreboards and flagpoles, and may construct or place one building with a footprint of no more than one thousand (1000) square feet for purposes of providing public restrooms, a concession area and a storage area for equipment. A parking area may be sited off Granite Street. For purposes of these provisions, any reference to the Town of Braintree shall be construed to mean the Town of Braintree acting by and through its Board of Selectmen.
2. Paths and sidewalks are expressly permitted to be constructed or placed on the premises for use by the public, and any and all measures shall be taken by the Town of Braintree to ensure appropriate access for those with special needs under the Americans with Disabilities Act or similar federal, state and local mandates.
3. No construction or placing of utilities or utility delivery systems, or parts thereof, shall be permitted on the northerly portion of the premises known as Parcel B and shown on said Exhibit A, except for those utilities directly related to the recreational uses permitted on said Parcel A. All such utilities located on Parcel A and on Parcel B, shall be subsurface and therefore installed underground. In no event shall any electrical service be installed to provide lighting for the fields permitted hereunder, but electrical service is permitted for the building and the attendant structures referenced in Paragraph 1 above, and is also permitted for the parking area, if deemed necessary by the Town.
4. No other municipal uses other than the recreational activities set forth herein shall be permitted, except for the routine maintenance of the premises by the Town of Braintree and its agents, contractors, lessees or assigns. Vehicular access by the public shall be limited to that southerly portion of the Premises known as Parcel A, on and off Granite Street.
5. No provision of this Order shall be construed to prevent or otherwise impede any duly considered and approved action by the Town of Braintree to establish and charge fees for the use of the premises by other municipalities, leagues, organizations, or any similar entities. The use of the fields permitted hereunder by public and private educational institutions, as well as the shared use of one or more of the recreational fields permitted hereunder by neighboring communities and regional organizations, shall be the express priorities of the Town of Braintree in its operation of such fields and facilities pursuant to this Order.
6. No snowmobiling, ATV use or horseback riding shall be permitted.

BK 16869PG523

7. No excavation, dredging or removal of loam, peat, gravel, soil, rock or other mineral substance shall be permitted, except as needed to construct the recreational fields and facilities permitted hereunder, and to grade and maintain the land.
8. No storage or stockpiling of hazardous materials, petroleum products, pesticides or herbicides shall be permitted. Storage and use of manure, fertilizers and lime may be permitted based on soil tests. Application of pesticides by a licensed applicator shall be permitted if necessary.
9. No fires shall be permitted, other than for food services duly permitted by the Town.
10. No grazing or sheltering of livestock or animals shall be permitted.
11. No other acts or uses detrimental to such premises as determined by the duly authorized representatives of said Commission, its successors or assigns or such other authority which shall for any time legally control or hold said restriction, shall be permitted.

The conservation restriction taken hereby does not grant either said Commission, its successors or assigns or such other authority which shall for any time legally control or hold said restriction, or the public, any right to enter upon the lands hereinabove described other than for the public uses so permitted on said public land, except that such Commission, its successors, assigns or other authority may enter upon said lands at any time for the purpose of inspecting said lands and enforcing the foregoing restrictions and remedying any violations of same. This right shall be in addition to any other remedies available to the Commission, its successors, assigns or other authority, for the enforcement of the foregoing restrictions and the remedying of any violations of same. The conservation restriction taken hereby and the terms and provisions hereof, shall run with the land.

The Commission awards damages sustained by the owner of the lands hereinabove mentioned by reason of said taking, in the following sum:

<u>OWNER</u>	<u>AWARD</u>
Town of Braintree	\$ 2,000,000

BK 16869PG524

TOWN of BRAINTREE
PARK COMMISSIONERS

Braintree, 5/23, 2002

WHEREAS the Commonwealth of Massachusetts, acting by and through its Metropolitan District Commission, intends to acquire by eminent domain, for park purposes, certain land which is located in the Town of Braintree and in the County of Norfolk, and comprises approximately 19.1 +/- acres, and which property is now or was formerly owned by

The Town of Braintree, and/or

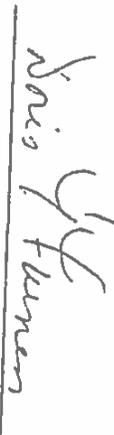
The Braintree School Fund Committee, Inc.

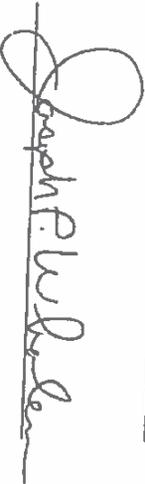
ORDERED: That the Park Commissioners in conformity with section 79 of Chapter 92 of the General Laws of the Commonwealth of Massachusetts, hereby concur with said Metropolitan District Commission in said taking and in every attendant act and matter.











Park Commissioners
Town of Braintree

5/23/02

BK 16869PG525

EXHIBIT "A"

Plan No. 340 of 1996
Plan Book 439
[Reduced and Revised]

Page 1 of 2

THIS IS A SKETCH AND SHALL
NOT BE REFERRED TO AS A
PLAN FOR THE PURPOSES OF
CONVEYING OR SUBDIVIDING
LAND

LAND PLAN

N.P. U.S. ROAD, ROUTE 6
STATION 219 TO 220
1/2" = 100'

831,295 SQ. FT.
19.1 ACRE

PARCELA
@ 8.69 Acres

COMMERCIAL
RESIDENCE B

GRANITE

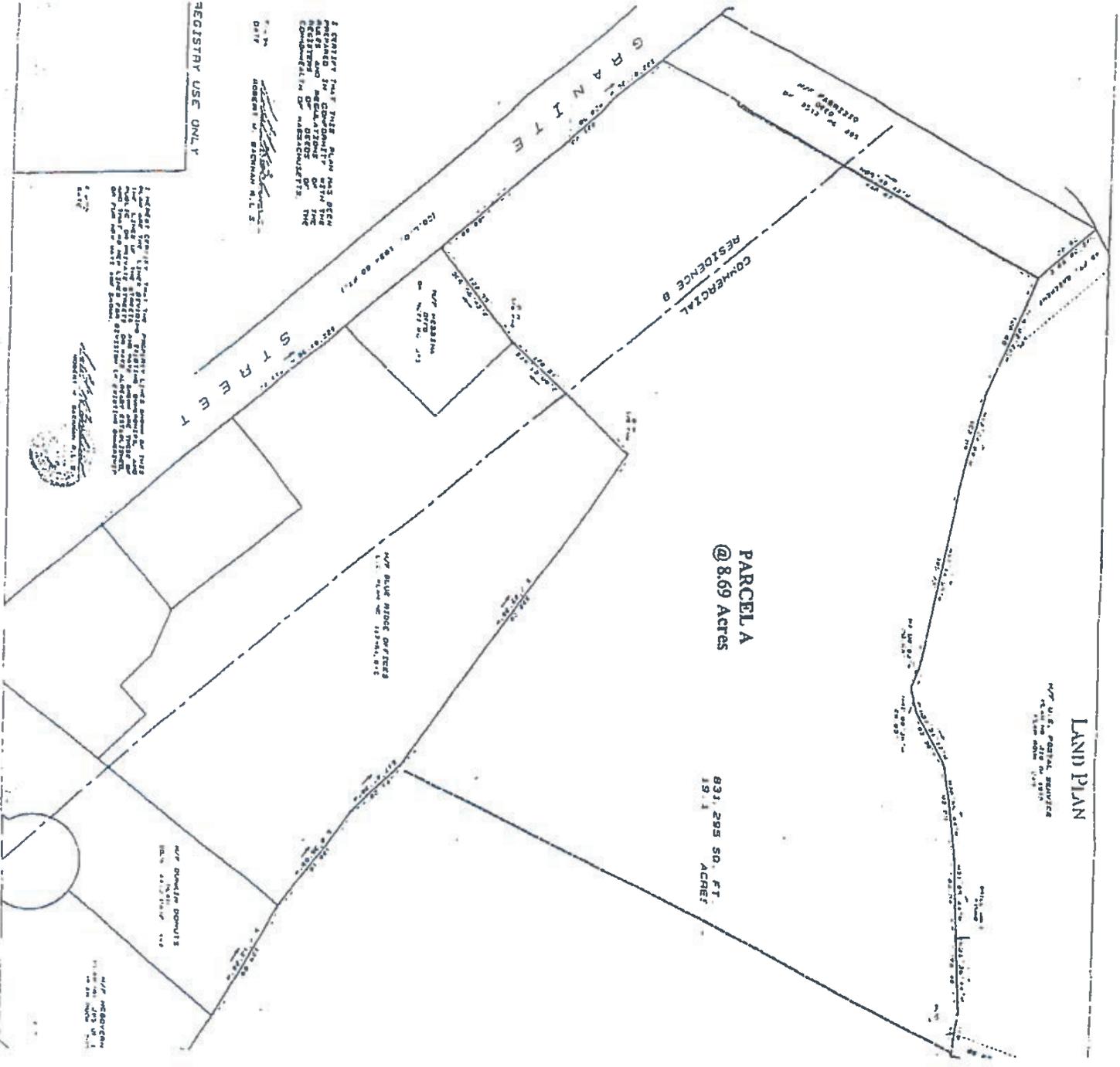
STREET

A REVIEW OF THIS PLAN HAS BEEN
MADE AND NO OBJECTIONS TO THE
REGISTERING AND REVISIONS OF THE
CONVEYANCE OR INSTRUMENTS
HEREIN HAVE BEEN REGISTERED.

DATE: _____
REGISTERED AT: _____

REGISTRY USE ONLY

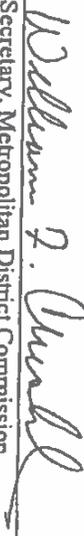
THE REGISTER OF DEEDS HAS REVIEWED THIS PLAN AND HAS FOUND IT TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE REGISTERING ACT AND THE CONVEYANCE ACT. THE REGISTER OF DEEDS HAS REGISTERED THIS PLAN AND HAS ISSUED THIS CERTIFICATE OF REGISTRATION.



BK 16869PG527

A true copy,

ATTEST:


Secretary, Metropolitan District Commission
as duly authorized

COMMONWEALTH OF MASSACHUSETTS

Suffolk, ss.

June 27, 2002.

Then personally appeared the above-named WILLIAM F. CHISHOLM, Secretary, Metropolitan District Commission, and acknowledged the foregoing to be the free act and deed of the Metropolitan District Commission of the Commonwealth of Massachusetts, before me,


Notary Public THOMAS P. GRAY
My commission expires: February 28, 2008

**Town of Braintree
 Department of Public Works: Recreation
 Capital Improvement Project Request Form
 Schedule G-2 Construction/Renovation
 Fiscal Year 2022-Reference R8**

- | | |
|---------------------------------------|---|
| 1. Department: | DPW |
| 2. Sub-Department: | Recreation |
| 3. Date: | 1/10/2022 |
| 4. Contact Person: | Chris Griffin |
| 5. Contact Title: | Rec. & Community Events Coordinator |
| 6. Phone: | 781-794-8941 |
| 7. Project Name: | Design & Engineering Services - Athletic Fields
off of West Street and Granite Street |
| 8. Costs: | \$400,000 |
| 9. Expenditure Schedule: | |
| FY22 | \$100,000 |
| FY23 | \$50,000 |
| FY24 | \$100,000 |
| FY25 | \$100,000 |
| FY26 | \$50,000 |
| 10. Planning & Design: | \$0 |
| 11. Site Improvement & Utilities: | |
| FY22 | \$0 |
| FY23 | \$0 |
| FY24 | \$0 |
| FY25 | \$0 |
| FY26 | \$0 |
| 12. Construction/renovation: | \$400,000 |
| 13. Other (Specify): | |
| 14. Cost Totals: | \$400,000 |
| 15. Available Aid or Grant (specify): | |
| 16. Description and Justification: | Design and engineering services associated with the construction and placement of four (4) multi-purpose recreational fields including but not limited to backstops, fencing, viewing stands, scoreboards and flagpoles and one (1) building with a footprint of no more than one thousand (1,000) square feet for purposes of providing public restrooms, a concession area and a storage area for equipment to be sited on 19.1 +/- acres of land located on the southwesterly side of West Street and the northwesterly side of Granite Street now and formerly owned by the Town of Braintree and The Braintree School Fund Committee, Inc. |
| 17. Submitted by: | Chris Griffin
Rec. & Community Events Coordinator |
| 18. Priority: | 3 |

Foul (4) RECREATIONAL FIELDS - West Granite St

BK 16869PG518

RECEIVED AND RECORDED
NORFOLK COUNTY
REGISTRY OF DEEDS
DEDHAM, MA.

CERTIFY

Paul D. Harold
PAUL D. HAROLD, REGISTER

**ORDER OF TAKING
COMMONWEALTH OF MASSACHUSETTS
METROPOLITAN DISTRICT COMMISSION**

Boston, June 27, 2002

ORDERED: That the Metropolitan District Commission by virtue of the power and authority conferred upon it by Chapter 564 of the Acts of 1987, Section 33 and 79 of Chapter 92 of the General Laws, and Sections 30, 31 and 32 of Chapter 184 of the General Laws, and acts in amendment thereof or in addition thereto and every other power and authority hereto enabling, for park and reservation and protection of open space purposes, does hereby order the taking of and does hereby take under the provisions of Chapter 79 of the General Laws, a conservation restriction in the name and for the benefit of the Commonwealth of Massachusetts, in the following described land situated in the Town of Braintree in the County of Norfolk and Commonwealth of Massachusetts, namely:

A certain tract or parcel of land, lying on the southwesterly side of West Street and the northwesterly side of Granite Street, shown upon the survey plan cited below at the conclusion of this description, and recorded with Norfolk County Registry of Deeds as Plan No. 340 of 1996 in Plan Book 439.

Beginning at a point in the southwesterly line of the 1923 Norfolk County Record Layout of West Street, at the northeasterly corner of the tract or parcel herein being described, said point being at the northwesterly terminus of a stone wall, and at the northwesterly corner of abutting land, now or formerly, of George P. Perkins (see the deed recorded with Norfolk Registry of Deeds at Book 11469, Page 490 and, the plan it references, dated May 25, 1897);

Thence S. 67° 49' 47" E., 105.35 feet, by the stone wall, and land, now or formerly, of Perkins, to a point at the southeasterly end of the wall, at an angle in the line;

Thence S. 02° 23' 42" E., 130.31 feet, by the westerly line of land, now or formerly of Perkins, to an iron pipe found at the northwesterly corner of other abutting land, formerly of one McGovern, now or formerly, of 579 Granite Street LLC (see the deed recorded with said Deeds at Book 13548, Page 367, and the plan recorded with said Deeds as Plan No. 285 of 1992 in Plan Book 285);

Thence S. 05° 11' 45" W., 152.68 feet, by the westerly line of land, formerly of McGovern, to a point at the northwesterly corner of other abutting land, now or formerly, of Dunkin Donuts (see the deed recorded with said Deeds at Book 5390, Page 261);

Metropolitan District Commission

Office of the General Counsel

20 Somerset Street

Boston, MA 02108

120886

02 JUL 17 AM 9:08

LOCATION OF PROPERTY: Granite and West Streets, Braintree, MA
MDC OGC FILE NO.: P-000039

R6

BK 16869PG519

- Thence S. 04° 13' 26" W., 125.99 feet, by the westerly line of land, now or formerly, of Dunkin Donuts, to a point at the northwesterly corner of (registered) land, now or formerly, of Blue Ridge Offices (see L.C. Plan No. 11796A Lots B & C);
- Thence S. 08° 35' 09" W., 120.10 feet, by the westerly line of land, now or formerly, of Blue Ridge Offices, to a point at an angle in the line;
- Thence S. 17° 07' 30" W., 71.29 feet, by the westerly line of land, now or formerly, of Blue Ridge Offices, to a point at an angle in the line;
- Thence S. 07° 25' 30" W., 992.00 feet, by the westerly line of land, now or formerly, of Blue Ridge Offices, to a stone bound with drill hole found at the southwesterly corner of said abutting land;
- Thence S. 74° 13' 00" E., 170.51 feet, by the southerly line of land, now or formerly, of Blue Ridge Offices, to another stone bound with drill hole found at the southwesterly corner of other abutting land, now or formerly, of Francis X. Messina (see the deed recorded with said Deeds at Book 9277, Page 353);
- Thence S. 66° 56' 45" E., 122.55 feet, by the southerly line of land, now or formerly, of Messina, to a point in the northwesterly line of the 1934 Norfolk County Record Layout of Granite Street;
- Thence S. 22° 07' 30" W., 68.60 feet, by the record layout line of the street, to a point therein, where a stone bound should be located, per the 1934 Norfolk County Layout of Granite Street;
- Thence S. 22° 07' 30" W., 221.40 feet, by the record layout line of the street, to a point at the southeasterly corner of the parcel or tract being described herein, said point being also at the northeasterly corner of abutting land, now or formerly, of one Ideal A. & Egista M. Fabrizio (see the deed recorded with said Deeds at Book 3513, Page 205);
- Thence N. 89° 40' 43" W., 446.87 feet, by the northerly line of land, now or formerly, of I.A. & E.M. Fabrizio, entering and running through a stone wall, to a point in a stone wall corner, at the northwesterly corner of land, now or formerly, of Fabrizio, said wall corner being at an angle in the line of land, formerly of the United States Postal Service, and, now or formerly, of Francis X. Messina (see the deed recorded with said Deeds at Book 14800, Page 443 and see also the plan recorded with said Deeds as Plan No. 318 of 1975 in Plan Book 249);
- Thence N. 06° 02' 41" W., 128.60 feet, running through the stone wall to a point at an angle in the line;
- Thence N. 13° 24' 59" W., 102.59 feet, to another point at another angle in the line;
- Thence N. 17° 14' 55" W., 185.72 feet, to another point at another angle in the line;

BK 16869P6520

- Thence N. 07° 08' 03" W., 26.63 feet, to a point at the end of a stone wall, at another angle in the line;
- Thence N. 42° 00' 36" W., 26.05 feet, by the stone wall, to an angle at a point therein;
- Thence N. 57° 31' 17" W., 63.30 feet, by the stone wall, to another angle at a point therein;
- Thence N. 35° 55' 44" W., 93.05 feet, by the stone wall, to another angle at another point therein;
- Thence N. 31° 05' 44" W., 82.54 feet, by the stone wall, to a drill hole found at a point therein;
- Thence N. 31° 36' 44" W., 70.40 feet, by the stone wall, to a point at an angle therein;
- Thence N. 20° 15' 44" W., 44.10 feet, by the stone wall, to another drill hole found at a point therein;
- Thence N. 38° 28' 44" W., 123.28 feet, by the stone wall, to another drill hole found at another point therein;
- Thence N. 37° 48' 21" W., 146.62 feet, by the stone wall, to a point at an angle therein;
- Thence N. 43° 22' 41" W., 90.13 feet, by the stone wall, to a point in a stone wall corner, said corner being at the southernmost point of land, now or formerly, of Peter & Maria Tassiopoulos (see the deed recorded with said Deeds at Book 6093, Page 541 and the plan referenced therein, recorded as Plan No. 55 of 1947), the last thirteen courses being by land, now or formerly, of F.X. Messina;
- Thence N. 58° 27' 46" E., 92.29 feet, by land, now or formerly, of Tassiopoulos, and the stone wall, to a point at an angle therein;
- Thence N. 51° 41' 57" E., 256.51 feet, partially by land, now or formerly, of Tassiopoulos, and partially by land, formerly of Fred A. & Doris J. Chandler, now or formerly, of Jeffrey G. & Marcia A. Burns (see the deed recorded with said Deeds at Book 11029, Page 90 and the plan recorded as Plan No. 544 of 1939), still by the stone wall, to a drill hole found at a point therein;
- Thence N. 53° 02' 48" E., 22.50 feet, by land, now or formerly, of Burns, and the stone wall, to a point in a stone wall corner, said corner being the southwesterly corner of land, now or formerly, of Charles F. & Dorothy E. Opferkuch, Trustees (see the deed recorded with said Deeds at Book 15247, Page 332);
- Thence S. 09° 17' 17" E., 5.00 feet, by land, now or formerly, of C.F. & D.E. Opferkuch, and the stone wall, to a drill hole found in another stone wall corner;
- Thence N. 58° 08' 14" E., 192.30 feet, by and through the easterly end of the wall, partially by land, now or formerly, of the aforesaid Opferkuch, and partially by land, now or formerly, of Warren B. & Joanne French (see the deed recorded

BK 16869PG521

with said Deeds at Book 3574, Page 179), and running into and by another stone wall segment, to a point at an angle therein;

- Thence N. 38° 33' 02" E., 47.70 feet, by the stone wall and by land, now or formerly, of the aforesaid French, to a point in the southwesterly layout line of the 1923 Norfolk County Record Layout of West Street;
- Thence Southeasterly, by the record layout line of the street, along the arc of a curve to the right, having a radius of 1183.20 feet, an arc distance of 41.89 feet, to a point of tangency;
- Thence S. 86° 38' 28" E., 46.97 feet, by the record layout line of the street, to a point of curvature therein;
- Thence Southeasterly, by the record layout line of the street, along the arc of a curve to the left, having a radius of 840.42 feet, an arc distance of 254.94 feet, to a point at the northwesterly end of a stone wall, at the northwesterly corner of land, now or formerly of the aforesaid Perkins, being the first mentioned point, the point and place of beginning.

Containing 831,295 square feet, more or less, or 19.1 acres, more or less, as shown upon a survey plan entitled "Plan Of Land Granite + West St's., Braintree Norfolk County MA (Prepared For: School Fund Trust Committee), dated 5-6-1996, prepared by Yunits Engineering Company, Inc., Consulting Engineers 11 Technical Park Drive Holbrook Mass, Robert N. Blackman R.L.S. No. 30333, which plan is recorded with Norfolk Registry of Deeds as Plan No. 340 of 1996 in Plan Book 439.

(See also an earlier plan entitled "Plan of Land in Braintree, Mass., belonging to Braintree School Fund", dated April 1905, showing an area of 19.096 acres, which plan is presumably of record with said Deeds.)

The above described parcel is represented as Parcel 40 on Braintree Assessors Plan No. 2048.

The aforementioned parcel is supposed to be owned by the following owner:

<u>OWNER</u>	<u>RESTRICTION AREA TAKEN</u>
Town of Braintree	831,295 square feet or 19.1 acres

Meaning and intending to take hereby a preservation restriction and conservation easement in, on and to the above premises, howsoever the same may be bounded and described, and being the same premises as described in an Order of Taking by the Town of Braintree, dated September 13, 1954, and recorded with Norfolk Registry of Deeds in Book 3299, Page 327.

BK 16869PG522

AND IN LIKE MANNER, for the same purposes and in virtue of the same powers, the said Metropolitan District Commission does hereby order the taking of and does hereby take in the name and for the benefit of the Commonwealth of Massachusetts, for the purposes of said acts and provisions, all such rights, including easements, privileges and appurtenances of every name and nature as may be necessary to give full force, virtue and effect, to the following restrictions on the use of the parcels of land hereinabove described:

1. No construction or placing of buildings or structures or parts thereof, or roads or portions thereof, shall be permitted on said premises, except for the construction, placement, maintenance, repair and replacement, of no more than four (4) multi-purpose recreational fields to be sited within that southerly portion of the premises known as Parcel A and shown on EXHIBIT "A" which is attached hereto and incorporated herein. Within said Parcel A, the Town of Braintree may construct or place attendant facilities and structures specifically contemplated for such recreational uses, including but not limited to backstops, fencing, viewing stands, scoreboards and flagpoles, and may construct or place one building with a footprint of no more than one thousand (1000) square feet for purposes of providing public restrooms, a concession area and a storage area for equipment. A parking area may be sited off Granite Street. For purposes of these provisions, any reference to the Town of Braintree shall be construed to mean the Town of Braintree acting by and through its Board of Selectmen.
2. Paths and sidewalks are expressly permitted to be constructed or placed on the premises for use by the public, and any and all measures shall be taken by the Town of Braintree to ensure appropriate access for those with special needs under the Americans with Disabilities Act or similar federal, state and local mandates.
3. No construction or placing of utilities or utility delivery systems, or parts thereof, shall be permitted on the northerly portion of the premises known as Parcel B and shown on said Exhibit A, except for those utilities directly related to the recreational uses permitted on said Parcel A. All such utilities located on Parcel A and on Parcel B, shall be subsurface and therefore installed underground. In no event shall any electrical service be installed to provide lighting for the fields permitted hereunder, but electrical service is permitted for the building and the attendant structures referenced in Paragraph 1 above, and is also permitted for the parking area, if deemed necessary by the Town.
4. No other municipal uses other than the recreational activities set forth herein shall be permitted, except for the routine maintenance of the premises by the Town of Braintree and its agents, contractors, lessees or assigns. Vehicular access by the public shall be limited to that southerly portion of the Premises known as Parcel A, on and off Granite Street.
5. No provision of this Order shall be construed to prevent or otherwise impede any duly considered and approved action by the Town of Braintree to establish and charge fees for the use of the premises by other municipalities, leagues, organizations, or any similar entities. The use of the fields permitted hereunder by public and private educational institutions, as well as the shared use of one or more of the recreational fields permitted hereunder by neighboring communities and regional organizations, shall be the express priorities of the Town of Braintree in its operation of such fields and facilities pursuant to this Order.
6. No snowmobiling, ATV use or horseback riding shall be permitted.

7. No excavation, dredging or removal of loam, peat, gravel, soil, rock or other mineral substance shall be permitted, except as needed to construct the recreational fields and facilities permitted hereunder, and to grade and maintain the land.
8. No storage or stockpiling of hazardous materials, petroleum products, pesticides or herbicides shall be permitted. Storage and use of manure, fertilizers and lime may be permitted based on soil tests. Application of pesticides by a licensed applicator shall be permitted if necessary.
9. No fires shall be permitted, other than for food services duly permitted by the Town.
10. No grazing or sheltering of livestock or animals shall be permitted.
11. No other acts or uses detrimental to such premises as determined by the duly authorized representatives of said Commission, its successors or assigns or such other authority which shall for any time legally control or hold said restriction, shall be permitted.

The conservation restriction taken hereby does not grant either said Commission, its successors or assigns or such other authority which shall for any time legally control or hold said restriction, or the public, any right to enter upon the lands hereinabove described other than for the public uses so permitted on said public land, except that such Commission, its successors, assigns or other authority may enter upon said lands at any time for the purpose of inspecting said lands and enforcing the foregoing restrictions and remedying any violations of same. This right shall be in addition to any other remedies available to the Commission, its successors, assigns or other authority, for the enforcement of the foregoing restrictions and the remedying of any violations of same. The conservation restriction taken hereby and the terms and provisions hereof, shall run with the land.

The Commission awards damages sustained by the owner of the lands hereinabove mentioned by reason of said taking, in the following sum:

<u>OWNER</u>	<u>AWARD</u>
Town of Braintree	\$ 2,000,000

BK 16869PG524

TOWN of BRAINTREE
PARK COMMISSIONERS

Braintree, 5/23, 2002

WHEREAS the Commonwealth of Massachusetts, acting by and through its Metropolitan District Commission, intends to acquire by eminent domain, for park purposes, certain land which is located in the Town of Braintree and in the County of Norfolk, and comprises approximately 19.1 +/- acres, and which property is now or was formerly owned by

The Town of Braintree, and/or

The Braintree School Fund Committee, Inc.

ORDERED: That the Park Commissioners in conformity with section 79 of Chapter 92 of the General Laws of the Commonwealth of Massachusetts, hereby concur with said Metropolitan District Commission in said taking and in every attendant act and matter.

Paul J. Tricomi

R. Ely

Bruce J. Quinn

Nois Y. Furness

Joseph P. Whalen

Park Commissioners
Town of Braintree

5/23/02

BK 16869PG525

EXHIBIT "A"

Plan No. 340 of 1996
Plan Book 439
[Reduced and Revised]

THIS IS A SKETCH AND SHALL NOT BE REFERRED TO AS A PLAN FOR THE PURPOSES OF CONVEYING OR SUBDIVIDING LAND

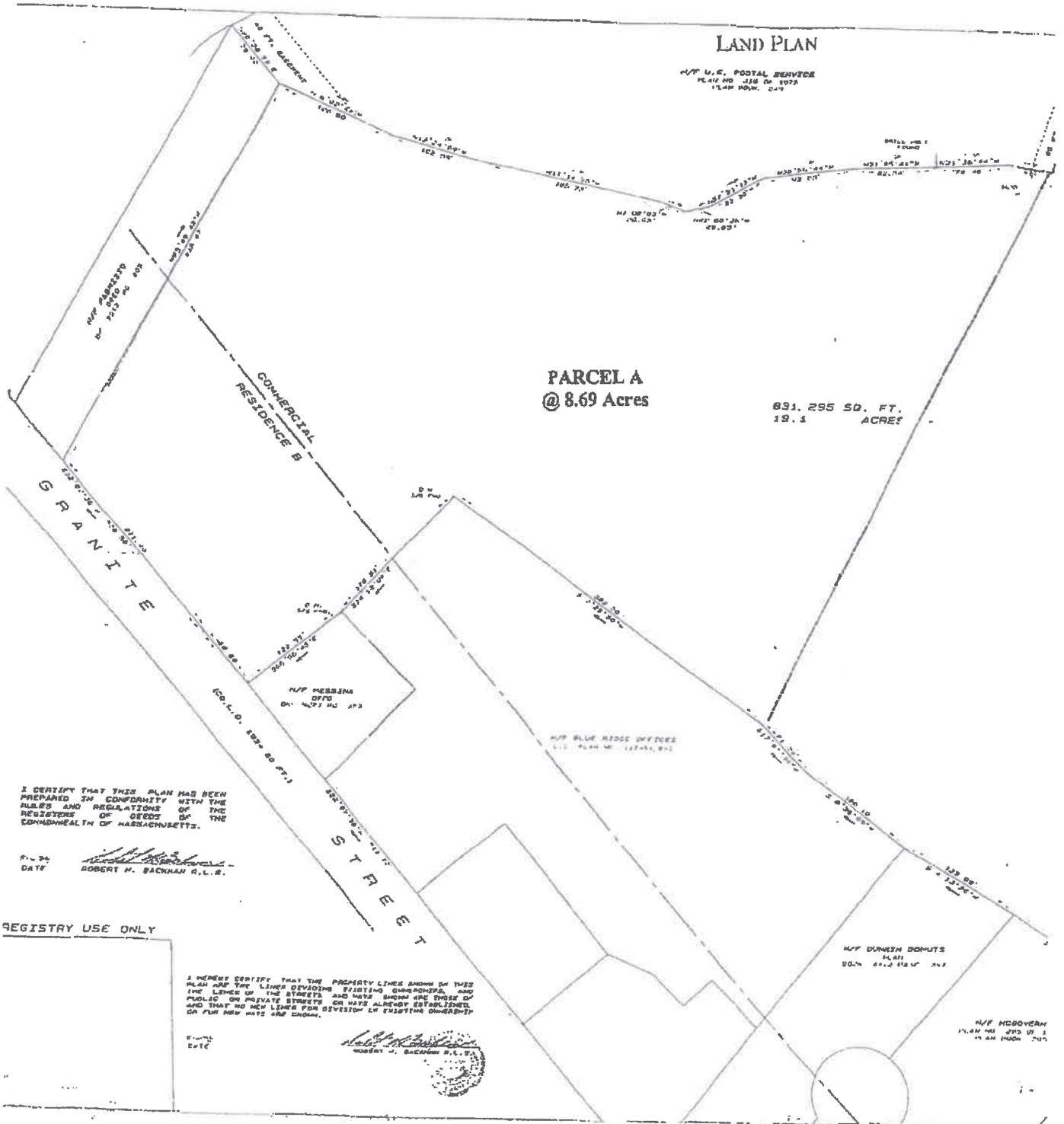
Page 1 of 2

LAND PLAN

N/T U.C. POSTAL SERVICE
PLAN NO. 338 OF 1978
1.48 ACRES

PARCEL A
@ 8.69 Acres

631,295 SQ. FT.
14.5 ACRES



I CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE REGISTRY OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

DATE
ROBERT W. BACHMAN R.L.S.

REGISTRY USE ONLY

I HEREBY CERTIFY THAT THE PROPERTY LINES SHOWN ON THIS PLAN AND THE LINES DIVIDING EXISTING PARCELS, AND THE LINES OF THE STREETS AND HIGHWAYS SHOWN ON THIS PLAN OR PRIVATE STREETS OR HAVES ALREADY ESTABLISHED AND THAT NO NEW LINES FOR DIVISION OF EXISTING PARCELS OR FOR NEW HAVES AND HIGHWAYS.

R.W.B.
R.L.S.

ROBERT W. BACHMAN R.L.S.



N/T MISSEVERN
PLAN NO. 315 OF 1
1.5 ACRES

N/T DUNKIN DONUTS
PLAN
NO. 312 OF 1978

N/T MESSINA
OFFICE
ON N/T NO. 373

N/T BLUE RIDGE OFFICES
L.L. PLAN NO. 12784, 1972

N/T ABRAHAM
ON N/T NO. 303

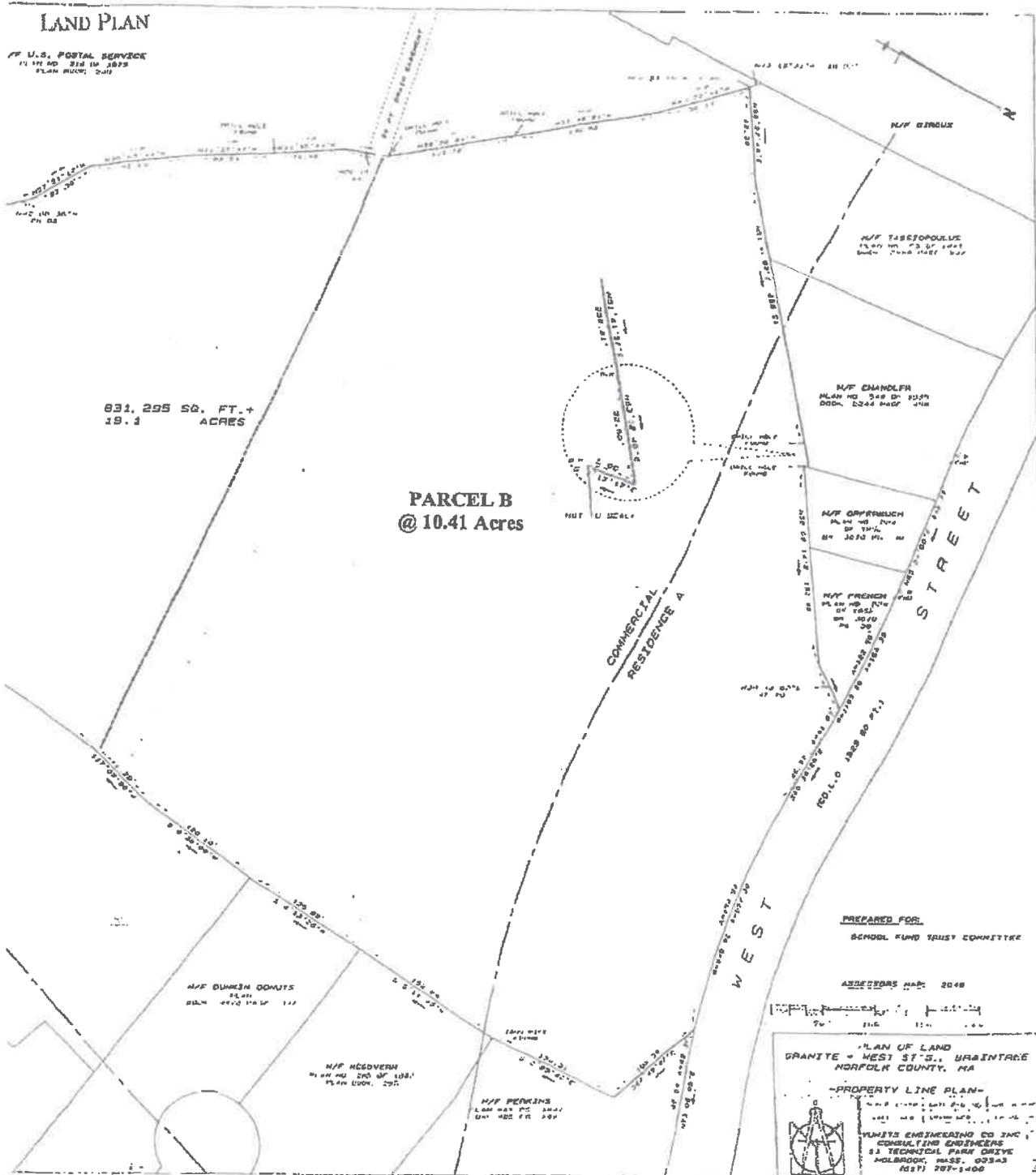
BK 16869PG526

EXHIBIT "A"

Plan No. 340 of 1996
Plan Book 439
[Reduced and Revised]

THIS IS A SKETCH AND SHALL
NOT BE REFERRED TO AS A
PLAN FOR THE PURPOSES OF
CONVEYING OR SUBDIVIDING
LAND

Page 2 of 2



BK 16869PG527

A true copy,

ATTEST:

William F. Chisholm
Secretary, Metropolitan District Commission
as duly authorized

COMMONWEALTH OF MASSACHUSETTS

Suffolk, ss.

June 27, 2002.

Then personally appeared the above-named WILLIAM F. CHISHOLM, Secretary, Metropolitan District Commission, and acknowledged the foregoing to be the free act and deed of the Metropolitan District Commission of the Commonwealth of Massachusetts, before me,

Thomas P. Gray
Notary Public THOMAS P. GRAY

My commission expires: February 28, 2008

Town of Braintree
Department of Public Works: Recreation
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference R9

1. Department: DPW
 2. Sub-Department: Recreation
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Rec. & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: ABI Force Infield Groomer
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- () Scheduled replacement
 (v) Replace worn-out equipment
 () Expanded service
 () Increased safety
 () Present equipment obsolete
 () Reduce personnel time
 () New operation
 () Improve procedures, record, etc.

11. Estimated Use of Requested Item

Days per year: Daily
 Average days per week: 7
 Estimated life in years: 5

12. Purchase Price

	Per Unit	Total
Cost:	\$32,275	\$32,275
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$32,275	\$32,275

13. Replaced Equipment

Item:
 Make:
 Age:

14. Recommended disposal of Replaced Item(s):

- Sale
 Possible use by other departments
 Other (Trade-in)

15. Available Aid or Grants (specify):

N/A

16. Comments:

The ABI Force infield groomer is the only infield groomer that not only grooms the top surface of the infield, but also properly prepares the whole infield profile so that it is safe and playable. It eliminates hard and soft spots and the high and low area on base paths and around bases. Purchase price is based on a quote on 2/23/18 from ABI.

17. Submitted by:

Chris Griffin
 Rec. & Community Events Coordinator

18. Priority:

1



BSNSPORTS

P.O. Box 7726, Dallas, TX 75209
TEL: 800-227-7404 FAX: 972-884-7270
Come visit us at www.bsnsports.com

Invoice Number
900219266
Date: 08/01/2017

Remit to:
BSN SPORTS, LLC
PO Box 660176
Dallas, TX 75266-0176

PO Number: Chip-Systems
Reference Number: 8406839
Terms: NT30
Due Date: 08/31/2017



Customer #: 1033921
Bill To: BRAINTREE P & R
85 Quincy Ave
BRAINTREE MA 02184-4416

Ship To: BRAINTREE P & R
249 Union St.
BRAINTREE MA 02184-4416

Item Number	Item Description	Material	Color/Team/Size	Qty/ UOM	Unit Price	Extended Price
1005WBXX	4' GOOSENECK W/DBL RIM-CHN NET-PAINT BRD	FR50058		2 EA	660.25	1,320.50

Thank you for your order. This invoice completes your purchase order.
For realtime order status and tracking information go to www.bsnsports.com

A/C 30-01420-6172

IMPORTANT NOTE ABOUT OUR INVOICES

We know smooth processing of our invoice is important to you. If you have any questions about this invoice, please call your Accounts Receivable Service Representative (800-227-7404). We will be happy to answer your questions. Please remember to include our invoice number on your payment remittance so we can properly apply your payment to your account. Enjoy the benefits of online access. To enroll online or pay as a guest, go to www.BSNBilling.com.
Thank you for your business.

To better service your account, please include invoice numbers on your remittance

Customer #:1033921

Invoice # 900219266
Due Date: 08/31/2017

Merchandise Sub Total	Other	Freight	Sales Tax	Invoice Total	Payment/Credit Applied	Total Invoice Amount Due
\$1,320.50	\$0.00	\$120.30	\$0.00	\$1,440.80	\$0.00	\$1,440.80

We accept payments by check, credit card, ACH, wire, and check by phone. Please contact your account rep if you have questions.
If you need a copy of an invoice, please call at 1-800-227-7404 and choose option 2.
* Past due balances are subject to a finance charge of 1.5% per month or the highest rate permitted by applicable law, whichever is lower.

Remittance at Remittance Equiviant

INVOICE



M.E. O'Brien & Sons, Inc.
 93 West Street - PO Box 650
 Medfield, MA 02052-0650
 (508) 359-4200

INVOICE NUMBER: 1170924-JN
 INVOICE DATE: 8/8/2017

ORDER NUMBER: S170702
 MEO PO #: PO41583
 ORDER DATE: 6/22/2017

SALESPERSON: 15MA
 CUSTOMER NO: RECB5QM

Sold To:
 BRAINTREE DPW/REC & COMMUNITY
 85 QUINCY AVENUE
 BRAINTREE, MA 02184

Ship To:
 BRAINTREE HIGHWAY & GRDS DIV.
 M/F HOLLIS PLAYGROUND
 NELSON CHIN, DIRECTOR
 249 UNION STREET
 BRAINTREE, MA 02184

ORDERED BY: NELSON CHIN, DIRECTOR
 nchin@braintreema.gov

JOB: HOLLIS PLAYGROUND, BRAINTREE MA

CUSTOMER P.O	SHIP VIA	SHIP DATE	E.O.B.	TERMS	TAX STATUS	
SIGNATURE	MF	8/7/2017	SHIPPING POINT	NET 30	046-001-16B	
ITEM NO.	VENDOR	UNIT	ORDERED	SHIPPED	PRICE	AMOUNT

131-60PL	DUMOR	EA	1.00	1.00	975.00	975.00
6' BENCH WITH RECYCLED PL SLATS AND S-2 SURFACE MOUNT SUPPORTS, WALNUT SLATS/8LACK PC						

PLAQUE-001ZE/WP	DUMOR	EA	1.00	1.00	270.00	270.00
2" X 10" ZINC ETCHED PLAQUE INSTALLED ON SLAT, #025553B-06 TO						

READ:

ANGELA HERRICK KELLY
 1975 - 2016
 A RAINBOW IS GOD'S PROMISE OF
 JOY AFTER SADNESS.

DISC-MHECB14	OBRCORP	EA	1.00	1.00	(63.00)	63.00-
MHEC-814 STATE CONTRACT DISCOUNT						

0-11-60PL-02	DUMOR	EA	4.00	4.00	85.00	340.00
4" X 4" X 71" RECYCLED PLASTIC SLAT, REDWOOD						

0-76-30PL-02	DUMOR	EA	3.00	3.00	60.00	180.00
3" X 4" X 43" RECYCLED PLASTIC SLAT, REDWOOD						

1-13-016	DUMOR	EA	18.00	18.00	0.90	16.20
3/8" X 2" SS 8TN SKT HD LAG SCREW						

1-22-024	DUMOR	EA	18.00	18.00	0.10	1.80
3/8" SS FLAT WASHER						

Continued

INVOICE



M.E. O'Brien & Sons, Inc.
93 West Street - PO Box 650
Medfield, MA 02052-0650
(508) 359-4200

INVOICE NUMBER: 1170924-IN
INVOICE DATE: 8/8/2017

ORDER NUMBER: ST170702
MEO PO #: PO41583
ORDER DATE: 6/22/2017

SALESPERSON: 15MA
CUSTOMER NO: REC85QM

Sold To:

BRAINTREE DPW/REC & COMMUNITY
85 QUINCY AVENUE
BRAINTREE, MA 02184

Ship To:

BRAINTREE HIGHWAY & GRDS DIV.
M/F HOLLIS PLAYGROUND
NELSON CHIN, DIRECTOR
249 UNION STREET
BRAINTREE, MA 02184

ORDERED BY: NELSON CHIN, DIRECTOR
nchin@braintreema.gov

JOB: HOLLIS PLAYGROUND, BRAINTREE MA

CUSTOMER P.O.	SHIP VIA	SHIP DATE	F.O.B.	TERMS	TAX STATUS	
SIGNATURE	ME	8/7/2017	SHIPPING POINT	NET 30	046-001-168	
ITEM NO.	VENDOR	UNIT	ORDERED	SHIPPED	PRICE	AMOUNT

DISC-MHECB14	OBRCORP	EA	1.00	1.00	(27.00)	27.00-
MHEC-B14 STATE CONTRACT DISCOUNT						
145562A	LSI	EA	12.00	12.00	25.40	304.80
12" CABLECORE, RED						
DISC-MHECB14	OBRCORP	EA	1.00	1.00	(16.00)	16.00-
MHEC-814 STATE CONTRACT DISCOUNT						

MUST CALL 24HRS B4 DEL TO NELSON CHIN @ 781/794-8910

24-650-00325-5201 \$1,512.00
30-01420-6172 954.80

WARNING!! PROTECT YOURSELF

Examine shipment before accepting. If damaged or short, request agent to show name on freight bill and send it to us at once. Unless you do this, credit cannot be allowed for loss or damage in transit.

Net Invoice: 1,981.80

Freight: 485.00

Sales Tax: 0.00

Invoice Total: 2,466.80

A FINANCE CHARGE OF 1.5% PER MONTH WILL BE CHARGED ON PAST DUE ACCOUNTS.

ALL CLAIMS MUST BE MADE WITHIN 30 DAYS FOLLOWING SHIPMENT.



PLAYPOWER

PLEASE REMIT TO
 PlayPower LT Farmington, Inc.
 PO Box 204713
 Dallas, TX 75320-4713

Invoice Number: 1400187769

Page: 1 of 1

Date: 01/20/2015

Salesperson: HOUSE-DUP
 Regular Invoice

Registration Number:

Billing & A/R Inquiries - (866) 544-0348
 Cust. Service and Order Dept. - (800) 325-8828

Currency: USD US Dollars

TERMS AND CONDITIONS
 TERMS AND CONDITIONS OF SALE
 ARE AS STATED IN OUR CURRENT
 PRICE LIST AND/OR CATALOG

Tracking #: FEDEX GROUND 622981*

B br09428 0

I BRAINTREE, TOWN OF
 L 85 QUINCY AVE
 L BRAINTREE MA 02184
 United States

S BRAINTREE, TOWN OF
 I 85 QUINCY AVE
 P BRAINTREE MA 02184
 United States

T

T

Go to www.littlekickscommercial.com/warranty to register your product online.

To access your CPSIA General Certificate of Conformance please go to www.littlekickscommercial.com/CPSIA.

Order	Purchase Order	Packages	Prepaid	Weight	Ship Date	Terms
FM00139388	11/21/14	0		0.00	01/20/2015	Net 30 Days
Line/Rel	Qty Ordered	Qty Shipped	Back Order	Unit Price	Extended Price	

1	2.00	2.00	0.00	114.30	228.60
---	------	------	------	--------	--------

Item: 088020701

Description: HARNESS,EMIRAGE SWING

30-01420-6172

Sales Amount	228.60
Misc Charges	0.00
Freight	9.60
Sales Tax	0.00
Prepaid Amount	0.00
Total	238.20

INVOICE



M.E. O'Brien & Sons, Inc.
 PO Box 650
 93 West Street - Unit F
 Medfield, MA 02052-0650
 (508) 359-4200

INVOICE NUMBER: 1150072-JN
 INVOICE DATE: 2/3/2015

ORDER NUMBER: S150032
 MEO PO #: PO36186
 ORDER DATE: 1/20/2015

SALESPERSON: 15MA
 CUSTOMER NO: REC85QM

Sold To:

BRAINTREE REC. & COMM. EVENTS
 TOWN OF BRAINTREE DPW
 85 QUINCY AVENUE
 BRAINTREE, MA 02184

Ship To:

BRAINTREE REC. & COMM. EVENTS
 M/F ABRAHAM LINCOLN PLAYGROUND
 NELSON CHIN, DIRECTOR
 249 UNION STREET
 BRAINTREE, MA 02184

ORDERED BY: NELSON CHIN, DIRECTOR
 nchint@braintreema.gov

JOB: PLAYSAFER/ABRAHAM LINCOLN PLAYGROUND, BRAINTREE MA

ITEM NO.	VENDOR	UNIT	ORDERED	SHIPPED	PRICE	AMOUNT
PLSF14SS	RUBBRCY	TON	14.00	14.00	0.00	0.00

SUPER SACKS, PLAYSAFER RUBBER MULCH, BLUE/BLACK,
 AREA TO COVER IS 1,848 SQ. FT. @ 7" DEEP

NOTE: THE CUSTOMER IS RESPONSIBLE FOR OFFLOADING THE
 DELIVERY TRUCK. A FORKLIFT OR SIMILAR MACHINE WILL BE
 NEEDED TO UNLOAD 2,000 POUND PALLETS.

LOT	DELIVERED PRICE	EA	1.00	1.00	6,576.00	-6,576.00
-----	-----------------	----	------	------	----------	-----------

24HRS B4 DEL CALL NELSON CHIN @ 781/794-8901

WARNING!! PROTECT YOURSELF

Examine shipment before accepting. If damaged or short, request agent to show name on freight bill and send it to us at once. Unless you do this, credit cannot be allowed for loss or damage in transit.

A FINANCE CHARGE OF 1.5% PER MONTH WILL BE CHARGED ON PAST DUE ACCOUNTS.
 ALL CLAIMS MUST BE MADE WITHIN 30 DAYS FOLLOWING SHIPMENT.

Net Invoice: 6,576.00
 Freight: 0.00
 Sales Tax: 0.00
 Invoice Total: 6,576.00

INVOICE



M.E. O'Brien & Sons, Inc.
 PO Box 650
 93 West Street - Unit F
 Medfield, MA 02052-0650
 (508) 359-4200

INVOICE NUMBER: 1150121-IN
 INVOICE DATE: 3/5/2015

ORDER NUMBER: S150021
 MEO PO #: PO36173
 ORDER DATE: 1/14/2015

SALESPERSON: 15MA
 CUSTOMER NO: REC85QM

Sold To:

BRAINTREE REC. & COMM. EVENTS
 TOWN OF BRAINTREE DPW
 85 QUINCY AVENUE
 BRAINTREE, MA 02184

Ship To:

BRAINTREE REC. & COMM. EVENTS
 M/F HOLLIS PLAYGROUND
 NELSON CHIN, DIRECTOR
 249 UNION STREET
 BRAINTREE, MA 02184

ORDERED BY: NELSON CHIN, DIRECTOR
 nchin@braintree.ma.gov

JOB: SHADE CVR/HOLLIS PLAYGROUND, BRAINTREE MA

CUSTOMER P.O	SHIP VIA	SHIP DATE	F.O.B.	TERMS	TAX STATUS	
SIGNATURE	UPS	2/10/2015	DESTINATION	NET 30	046-001-168	
ITEM NO.	VENDOR	UNIT	ORDERED	SHIPPED	PRICE	AMOUNT

MISC/SUNPORTS	SUNPORT	EA	1.00	1.00	1,036.00	1,036.00
SUN PORTS ORIGINAL REPLACEMENT COVER FOR 20' X 20'						
PYRAMID SHADESURE STRUCTURE, FOREST GREEN, INCLUDES						
NEW CABLE AND CLAMPS						

A/E 30-01420-6172

WARNING!! PROTECT YOURSELF

Examine shipment before accepting. If damaged or short, request agent to show name on freight bill and send it to us at once. Unless you do this, credit cannot be allowed for loss or damage in transit.

A FINANCE CHARGE OF 1.5% PER MONTH WILL BE CHARGED ON PAST DUE ACCOUNTS.
 ALL CLAIMS MUST BE MADE WITHIN 30 DAYS FOLLOWING SHIPMENT.

Net Invoice:	1,036.00
Freight:	0.00
Sales Tax:	0.00
Invoice Total:	1,036.00

INVOICE



M.E. O'Brien & Sons, Inc.
 PO Box 650
 93 West Street - Unit F
 Medfield, MA 02052-0650
 (508) 359-4200

INVOICE NUMBER: 1150107-IN
 INVOICE DATE: 2/24/2015

ORDER NUMBER: A150032
 MEO PO #: PO36186
 ORDER DATE: 2/24/2015

SALESPERSON: 15MA
 CUSTOMER NO: REC85QM

Sold To:

BRAINTREE REC. & COMM. EVENTS
 TOWN OF BRAINTREE DPW
 85 QUINCY AVENUE
 BRAINTREE, MA 02184

Ship To:

BRAINTREE REC. & COMM. EVENTS
 M/F ABRAHAM LINCOLN PLAYGROUND
 NELSON CHIN, DIRECTOR
 249 UNION STREET
 BRAINTREE, MA 02184

ORDERED BY: NELSON CHIN, DIRECTOR
 nchin@braintree.ma.gov

JOB: PLAYSAFER/ABRAHAM LINCOLN PLAYGROUND, BRAINTREE MA

CUSTOMER P.O	SHIP VIA	SHIP DATE	F.O.B.	TERMS	TAX STATUS	
CONTRACT	MF	1/28/2015	DESTINATION	NET 30	046-001-168	
ITEM NO.	VENDOR	UNIT	ORDERED	SHIPPED	PRICE	AMOUNT
MISC/RRCY	RUBBRCY	EA	1.00	1.00	1,235.00	1,235.00
REDELIVERY/STORAGE/NEW ADDRESS						

APC # 30-01420-6172

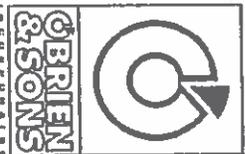
WARNING!! PROTECT YOURSELF

Examine shipment before accepting. If damaged or short, request agent to show name on freight bill and send it to us at once. Unless you do this, credit cannot be allowed for loss or damage in transit.

A FINANCE CHARGE OF 1.5% PER MONTH WILL BE CHARGED ON PAST DUE ACCOUNTS.
 ALL CLAIMS MUST BE MADE WITHIN 30 DAYS FOLLOWING SHIPMENT.

Net Invoice: 1,235.00
 Freight: 0.00
 Sales Tax: 0.00
 Invoice Total: 1,235.00

INVOICE



M.E. O'Brien & Sons, Inc.
 PO Box 650
 93 West Street - Unit F
 Medfield, MA 02052-0650
 (508) 359-4200

INVOICE NUMBER: 1150370-IN
 INVOICE DATE: 5/12/2015

ORDER NUMBER: S150158
 MEO PO #: PO36377
 ORDER DATE: 3/27/2015

SALESPERSON: 15MA
 CUSTOMER NO: REC85QM

Sold To:

BRAINTREE REC. & COMM. EVENTS
 85 QUINCY AVENUE
 BRAINTREE, MA 02184

Ship To:

BRAINTREE REC. & COMM. EVENTS
 M/F HOLLIS PLAYGROUND
 NELSON CHIN, DIRECTOR
 249 UNION STREET
 BRAINTREE, MA 02184

ORDERED BY: NELSON CHIN, DIRECTOR
 nchin@braintree.ma.gov

JOB: SF/HOLLIS PLAYGROUND, BRAINTREE MA

CUSTOMER P.O	SHIP VIA	SHIP DATE	F.O.B.	TAX STATUS
SIGNATURE	MF	5/12/2015	SHIPPING POINT	NET 30
ITEM NO.	VENDOR	UNIT	ORDERED	SHIPPED
PRICE	AMOUNT			

65-385-32PL/S2	DUMOR	EA	2.00	2.00	565.00	1,130.00
CUSTOM 32 GAL RECEPTACLE WITH RECYCLED PL SLATS, CVR-30-RC-0075 DECAL "CANS & BOTTLES ONLY" FLAT COVER WITH 4" HOLE AND S-2 SURFACE MOUNT SUPPORT, REDWOOD SLATS/BLACK PC, BLACK COVER W/VINYL LETTERING						
PLAQUE-Q01ZE/M	DUMOR	EA	2.00	2.00	300.00	600.00
2" X 10" ZINC ETCHED PLAQUE INSTALLED RECEPTACLE, TO READ:						

PLAQUE #1 TO READ:

KATHY NORTON
 DECEMBER 13, 1963 - FEBRUARY 16, 2013
 WIFE-MOTHER-DAUGHTER-SISTER-FRIEND
 RECYCLER

PLAQUE #2 TO READ:

IN LOVING MEMORY OF OUR FRIEND
 KATHY NORTON
 FRIENDS OF HOLLIS PLAYGROUND

24HRS B4 DEL CALL NELSON CHIN @ 781/794-8910

WARNING!! PROTECT YOURSELF

Examine shipment before accepting. If damaged or short, request agent to show name on freight bill and send it to us at once. Unless you do this, credit cannot be allowed for loss or damage in transit.

A FINANCE CHARGE OF 1.5% PER MONTH WILL BE CHARGED ON PAST DUE ACCOUNTS.
 ALL CLAIMS MUST BE MADE WITHIN 30 DAYS FOLLOWING SHIPMENT.

Net Invoice:	1,730.00
Freight:	189.00
Sales Tax:	0.00
Invoice Total:	1,919.00



PLAYPOWER

TOWN OF BRAINTREE
PARK DEPARTMENT

Statement Date
10/31/2015

Please Remit To:
PlayPower LT Farmington, Inc.
PO Box 204713
Dallas, TX 75320-4713

PlayPower LT Farmington, Inc. **NOV-9 PM 1:39**
878 E. Hwy 60
Monett Mo, 65708
866-544-0348 ext 2

Account
BR09428

Account Name
BRAINTREE, TOWN OF

NELSON CHIN
BRAINTREE, TOWN OF
85 QUINCY AVE
BRAINTREE MA 02184
United States

If Paying By Invoice-Check
Individual Invoices Paid

Date	Type	Reference	Amount	Apply To Invoice	Invoice Balance
10/12/2015	Invoice	1400195133	908.59	1400195133	908.59
Statement Balance					908.59

Current	1-30 Days	31-60 Days	61-90 Days	91-120 Days
908.59	0.00	0.00	0.00	0.00

10/30-01420-6172

BRAINTREE PARKS/RECREATION
/cd # _____ P.C.# _____
_____ *22* *908.59*
_____ *11/25/15*
Vendor # *17127*
APP. FUND PAYMT _____

INVOICE



ELEMENTS FOR A GREAT OUTDOORS

93 West Street - PO Box 650
Medfield, MA 02052-0650
(508) 359-4200

INVOICE NUMBER: 1161264-JN
INVOICE DATE: 9/8/2016

ORDER NUMBER: 51611165
MEO PO #: P039944
ORDER DATE: 8/29/2016

SALESPERSON: 15MA
CUSTOMER NO: REC85QM

Sold To:

BRAINTREE REC. & COMM. EVENTS
TOWN OF BRAINTREE DPW
85 QUINCY AVENUE
BRAINTREE, MA 02184

Ship To:

BRAINTREE REC. & COMM. EVENTS
M/F HOLLIS PLAYGROUND
NELSON CHIN, DIRECTOR
249 UNION STREET
BRAINTREE, MA 02184

ORDERED BY: NELSON CHIN, DIRECTOR

JOB: PARTS/HOLLIS PLAYGROUND, BRAINTREE MA

nchin@braintreema.gov

ITEM NO.	VENDOR	SHIP VIA	SHIP DATE	E.O.B.	DESTINATION	TERMS	TAX STATUS	UNIT	ORDERED	SHIPPED	PRICE	AMOUNT
1522707A	LSI	UPS	9/7/2016			NET 30	046-001-168	EA	2.00	2.00	0.00	0.00
19" CABLE ASSY, RED												
145562A	LSI							EA	12.00	12.00	0.00	0.00
12" CABLECORE, RED												
146017A	LSI							EA	2.00	2.00	0.00	0.00
6-LOBE DRIVE T-4S LONG ARM KEY												
LOT DEL'D PRICE	LSI							EA	1.00	1.00	443.10	443.10

LSI PROJECT ID# P0016745-03-01, 9/7/2016

A/c 30 - 014 20 - 6172

WARNING!! PROTECT YOURSELF

Examine shipment before accepting. If damaged or short, request agent to show name on freight bill and end it to us at once. Unless you do this, credit cannot be allowed for loss or damage in transit.

FINANCE CHARGE OF 1.5% PER MONTH WILL BE CHARGED ON PAST DUE ACCOUNTS
ALL CLAIMS MUST BE MADE WITHIN 30 DAYS FOLLOWING SHIPMENT

Net Invoice:	443.10
Freight:	0.00
Sales Tax:	0.00
Invoice Total:	443.10



PLAYPOWER

PLEASE REMIT TO
PlayPower LT Farmington, Inc.
PO Box 204713
Dallas, TX 75320-4713

TOWN OF BRAINTREE
PARK DEPARTMENT
02/03
2016 ~~SEP 30~~ PM 12:00

Invoice Number: 1400204518
Page: 1 of 1
Date: 09/26/2016
Salesperson: JASON CORBETT
Regular Invoice
Registration Number:

Billing & A/R Inquiries - (866) 544-0348 Opt 2
Cust Service and Order Dept - (800) 325-8828
Tax ID# 34-1725366

Currency: USD US Dollars
TERMS AND CONDITIONS OF SALE
ARE AS STATED IN OUR CURRENT
PRICE LIST AND/OR CATALOG

Tracking #: FEDEX GROUND 702530.

B r:09428 0
I NELSON CHIN
L BRAINTREE, TOWN OF
L 85 QUINCY AVE
BRAINTREE MA 02184
T United States
O

S
H BRAINTREE, TOWN OF
I 85 QUINCY AVE
P BRAINTREE MA 02184
T
O

Go to www.littlekcscommercial.com/warranty to register your product online.

To access your CPSIA General Certificate of Conformance please go to www.littlekcscommercial.com/CPSIA.

Order	Purchase Order	Packages	Prepaid	Weight	Ship Date	Terms
FM00154383	07423	0		0.00	09/26/2016	Net 30 Days
Line/Rel	Qty Ordered	Qty Shipped	Back Order	Unit Price	Extended Price	

1 1.00 1.00 0.00 93.00 93.00
 Item: 200038510
 Description: ASSY ANTI-WRAPOVER SWING BEARING

2 4.00 4.00 0.00 130.00 520.00
 Item: 088020701
 Description: HARNESS FMIRAGE SWING

A/c 30-01420-6172

Sales Amount	613.00
Misc Charges	0.00
Freight	12.00
Sales Tax	0.00
Prepaid Amount	0.00
Total	625.00



93 West Street - PO Box 650
Medfield, MA 02052-0650
(508) 359-4200

INVOICE

COPY

INVOICE NUMBER: 1161273-JN
INVOICE DATE: 9/13/2016

ORDER NUMBER: R151033
MEO PO #: PO37967
ORDER DATE: 8/13/2015

SALESPERSON: 15MA
CUSTOMER NO: REC85QM

Sold To:

BRAINTREE REC. & COMM. EVENTS
85 QUINCY AVENUE
BRAintree, MA 02184

Ship To:

BRAINTREE DPW HIGHWAY DEPT.
DAVE MCKENNA
245 UNION STREET
BRAintree, MA 02184

ORDERED BY: NELSON CHIN, DIRECTOR

nchin@braintreema.gov

JOB: PSS/VARIOUS LOCATIONS, BRAintree MA

CUSTOMER P.O.	SHIP VIA	SHIP DATE	F.O.B.	TERMS	TAX STATUS
09306	MF	9/12/2016	DESTINATION	NET 30	046-001-168

ITEM NO.	VENDOR	UNIT ORDERED	SHIPPED	PRICE	AMOUNT
SM-DPS	DUNNING	EA	12.00	185.00	2,220.00

STD WEAR MAT 3' X 4' X 2" BLACK

24HRS B4 DEL CALL DAVE MCKENNA FOR ALL DELIVERIES @
781/794-8956

** FINAL BILLING **

30-01420-6172

WARNING!! PROTECT YOURSELF

Examine shipment before accepting. If damaged or short, request agent to show name on freight bill and end it to us at once. Unless you do this, credit cannot be allowed for loss or damage in transit.

FINANCE CHARGE OF 1.5% PER MONTH WILL BE CHARGED ON PAST DUE ACCOUNTS
ALL CLAIMS MUST BE MADE WITHIN 30 DAYS FOLLOWING SHIPMENT.

Net Invoice:	2,220.00
Freight:	0.00
Sales Tax:	0.00
Invoice Total:	2,220.00



PLAYPOWER

TOWN OF BRAINTREE
PARK DEPARTMENT

2016 OCT -4 PM 2: 53

PLEASE REMIT TO
PlayPower LT Farmington, Inc.
PO Box 204713
Dallas, TX 75320-4713

Invoice Number: 1400204718
Page: 1 of 1
Date: 09/29/2016
Salesperson: JASON CORBETT
Regular Invoice
Registration Number:

Billing & A/R Inquiries - (866) 544-0348 Opt 2
Cust. Service and Order Dept. - (800) 325-8828

Tax ID# 34-1725366
Tracking #: UPS 1ZA0X258035164967

B
br09428 0
I NELSON CHIN
L BRAINTREE, TOWN OF
L 85 QUINCY AVE
BRAINTREE MA 02184
T United States
O

S
H BRAINTREE, TOWN OF
I 85 QUINCY AVE
P BRAINTREE MA 02184
T
O

Currency: USD US Dollars
TERMS AND CONDITIONS
TERMS AND CONDITIONS OF SALE
ARE AS STATED IN OUR CURRENT
PRICELIST AND/OR CATALOG

Go to www.littlekesscommercial.com/warranty to register your product online.

To access your CPSIA General Certificate of Conformance please go to www.littlekesscommercial.com/CPSIA.

Order	Purchase Order	Packages	Prepaid	Weight	Ship Date	Terms
FM00154610	07424	0		0.00	09/29/2016	Net 30 Days

Line/Rel	Qty Ordered	Qty Shipped	Back Order	Unit Price	Extended Price
1	1.00			109.00	109.00
Item: 200183517 Description: SPRNG "C" F/SPRNG RIDERS BLK/W/STKR					
2	4.00			3.06	12.24
Item: 104215 Description: BOLT 7/16-14 X 1 1/2 BHCS 6 LOBE 18-8 SS					
3	4.00			1.02	4.08
Item: 117008 Description: WASHER 7/16 LOCK 18-8 SS					

A/e 30-01420-6172

Sales Amount	125.32
Misc Charges	0.00
Freight	21.00
Sales Tax	0.00
Prepaid Amount	0.00
Total	146.32



INVOICE

INVOICE NUMBER: 1161463-IN
 INVOICE DATE: 10/17/2016

ORDER NUMBER: S161351
 MEO PO #: PO40172
 ORDER DATE: 9/30/2016

SALESPERSON: 15MA
 CUSTOMER NO: REC85QM

M.E. O'Brien & Sons, Inc.
 93 West Street - PO Box 650
 Medfield, MA 02052-0650
 (508) 359-4200

Sold To:

Ship To:

BRAINTREE DPW/REC & COMMUNITY
 85 QUINCY AVENUE
 BRAINTREE, MA 02184

BRAINTREE HIGHWAY & GRDS DIV.
 M/F HOLLIS PLAYGROUND
 NELSON CHIN, REC DIRECTOR
 249 UNION STREET
 BRAINTREE, MA 02184

ORDERED BY: NELSON CHIN, DIRECTOR
 nchin@braintreema.gov

JOB: PARTS/HOLLIS PLAYGROUND, BRAINTREE MA

CUSTOMER P.O.	SHIP VIA	SHIP DATE	F.O.B.	DESTINATION	TERMS	TAX STATUS
VER8AL	UPS	10/12/2016			NET 30	046-001-16B
ITEM NO.	VENDOR	UNIT	ORDERED	SHIPPED	PRICE	AMOUNT
FISH NET CUMBER						
105327A	LSI	EA	2.00	2.00	0.00	0.00
5 INCH HALF CLAMP, TAN						
151787A	LSI	EA	2.00	2.00	0.00	0.00
FISH NET ATTACH CLAMP DB/SM, TAN						
132730A	LSI	EA	2.00	2.00	0.00	0.00
CABLE COVER, TAN						
131849A	LSI	EA	4.00	4.00	0.00	0.00
5/16" X 1/2" BHCS W/PIN						
100196A	LSI	EA	4.00	4.00	0.00	0.00
3/8" X 7/8" BHCS W/PIN						
100351A	LSI	EA	4.00	4.00	0.00	0.00
3/8" TEE NUT						
LOT DEL'D	LSI	EA	1.00	1.00	288.50	288.50
PRICE						
LSI PROJECT ID# P0016745-03-02, 10/12/2016						

WARNING!! PROTECT YOURSELF

Examine shipment before accepting. If damaged or short, request agent to show name on freight bill and send it to us at once. Unless you do this, credit cannot be allowed for loss or damage in transit.

Net Invoice: 288.50

Freight: 0.00

Sales Tax: 0.00

Invoice Total: 288.50

A FINANCE CHARGE OF 1.5% PER MONTH WILL BE CHARGED ON PAST DUE ACCOUNTS.

ALL CLAIMS MUST BE MADE WITHIN 30 DAYS FOLLOWING SHIPMENT

h/c 30-01420-6172



PLAYPOWER

PLEASE REMIT TO
 PlayPower LT Farmington, Inc.
 PO Box 204713
 Dallas, TX 75320-4713

Invoice Number: 1400205632
 Page: 1 of 1
 Date: 10/26/2016
 Salesperson: JASON CORBETT
 Regular Invoice
 Registration Number:

Billing & AVR Inquiries - (866) 544-0348 Opt 2
 Cust. Service and Order Dept. - (800) 325-8828
 Tax ID# 34-1725366
 Tracking #: FEDEX GROUND 711332
 B br09428 0

Currency: USD US Dollars
TERMS AND CONDITIONS
 TERMS AND CONDITIONS OF SALE
 ARE AS STATED IN OUR CURRENT
 PRICE LIST AND/OR CATALOG

I NELSON CHIN
 L BRAINTREE, TOWN OF
 L 85 QUINCY AVE
 BRAINTREE MA 02184
 T United States
 O
 S
 H BRAINTREE, TOWN OF
 I 85 QUINCY AVE
 P BRAINTREE MA 02184
 T United States
 O

Go to www.littlekesscommercial.com/warranty to register your product online.

To access your CPSIA General Certificate of Conformance please go to www.littlekesscommercial.com/CPSIA.

Order	Purchase Order	Packages	Prepaid	Weight	Ship Date	Terms
FM00155319	07428	0		0.00	10/26/2016	Net 30 Days

Line/Rel	Qty Ordered	Qty Shipped	Back Order	Unit Price	Extended Price
1	3.00	3.00	0.00	93.00	279.00

Item: 200038510
 Description: ASSY ANTI-WRAPOVER SWING BEARING

A/c 30-01420-6172

Sales Amount	279.00
Misc Charges	0.00
Freight	24.00
Sales Tax	0.00
	0.00
Prepaid Amount	0.00
Total	303.00

INVOICE



M.E. O'Brien & Sons, Inc.
 93 West Street - PO Box 650
 Medfield, MA 02052-0650
 (508) 359-4200

INVOICE NUMBER: 1161644-JN
 INVOICE DATE: 11/9/2016

ORDER NUMBER: S161311
 MEO PO #: PO40117
 ORDER DATE: 9/26/2016

SALESPERSON: 15MA
 CUSTOMER NO: REC85QM

Sold To:
 BRAINTREE DPW/REC & COMMUNITY
 85 QUINCY AVENUE
 BRAINTREE, MA 02184

Ship To:
 8 BRAINTREE HIGHWAY & GRDS DIV.
 M/F FLYNN MEMORIAL BENCH
 NELSON CHIN, REC DIRECTOR
 249 UNION STREET
 BRAINTREE, MA 02184

ORDERED BY: NELSON CHIN, DIRECTOR
 nchin@braintreema.gov

JOB: FLYNN MEMORIAL BENCH, BRAINTREE, MA

CUSTOMER P.O.	SHIP VIA	SHIP DATE	E.O.B.	TERMS	TAX STATUS	
EMAIL	MF	11/9/2016	SHIPPING POINT	NET 30	046-001-168	
ITEM NO.	VENDOR	UNIT	ORDERED	SHIPPED	PRICE	AMOUNT

131-60PL	DUMOR	EA	1.00	1.00	1,050.00	1,050.00
6' BENCH WITH RECYCLED PL SLATS AND S-2 SURFACE MOUNT SUPPORTS,						
CEDAR SLATS/HUNTER GREEN PC						

PLAQUE-Q01ZE/WP	DUMOR	EA	1.00	1.00	270.00	270.00
2" X 10" ZINC ETCHED PLAQUE INSTALLED ON SLAT, #024682A-06 TO						
READ: IN MEMORY OF PATRICK G. FLYNN, CHAIR CONSERVATION COMMISSION 2008-2016 HIS KNOWLEDGE, HUMOR AND ADVOCACY FOR PUBLIC LANDS INSPIRED US ALL 24HRS B4 DEL CALL NELSON CHIN @ 781/794-8901						

A/c 30-01420-6172

WARNING!! PROTECT YOURSELF

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A FINANCE CHARGE OF 1.5% PER MONTH WILL BE CHARGED ON PAST DUE ACCOUNTS.
 ALL CLAIMS MUST BE MADE WITHIN 30 DAYS FOLLOWING SHIPMENT.

Net Invoice:	<u>1,320.00</u>
Freight:	200.00
Sales Tax:	0.00
Invoice Total:	1,520.00

INVOICE



TOWN OF BRAINTREE
PARK DEPARTMENT

2017 MAR 30 PM 2: 28

M.E. O'Brien & Sons, Inc.
93 West Street - PO Box 650
Medfield, MA 02052-0650
(508) 359-4200

INVOICE NUMBER: 1170176-IN
INVOICE DATE: 3/28/2017

ORDER NUMBER: S170116
MEO PO #: PO40778
ORDER DATE: 3/2/2017

SALESPERSON: 15MA
CUSTOMER NO: REC85QM

Sold To:

BRAINTREE DPW/REC & COMMUNITY
85 QUINCY AVENUE
BRAINTREE, MA 02184

Ship To:

BRAINTREE HIGHWAY & GRDS DIV.
M/F HOLLIS PLAYGROUND
NELSON CHIN, REC DIRECTOR
249 UNION STREET
BRAINTREE, MA 02184

ORDERED BY: NELSON CHIN, DIRECTOR
nchin@braintree.ma.gov

JOB: CVRS/HOLLIS PLAYGROUND, BRAINTREE MA

CUSTOMER P.O.	SHIP VIA	SHIP DATE	E.O.B.	TERMS	TAX STATUS
EMAIL	MF	3/27/2017	SHIPPING POINT	NET 30	046-001-168

ITEM NO.	VENDOR	UNIT	ORDERED	SHIPPED	PRICE	AMOUNT
CVR-30-PT	DUMOR	EA	6.00	6.00	345.00	2,070.00
LARGE SPUN STEEL COVER WITH PUSH TOP DOME, BRONZE						
DISC-MHECB14	OBRCORP	EA	1.00	1.00	(103.50)	103.50-
MHEC-B14 STATE CONTRACT DISCOUNT						
MUST CALL 24HRS B4 DEL TO NELSON CHIN @ 781/794-8901						

AP# 30-01420-6172

Vendor No, 3634

WARNING!! PROTECT YOURSELF

Examine shipment before accepting. If damaged or short, request agent to show name on freight bill and send it to us at once. Unless you do this, credit cannot be allowed for loss or damage in transit.

A FINANCE CHARGE OF 1.5% PER MONTH WILL BE CHARGED ON PAST DUE ACCOUNTS.
ALL CLAIMS MUST BE MADE WITHIN 30 DAYS FOLLOWING SHIPMENT.

Net Invoice:	1,966.50
Freight:	125.00
Sales Tax:	0.00
Invoice Total:	2,091.50



Invoice Number

900219266
Date: 08/01/2017

Remit to:
BSN SPORTS, LLC
PO Box 660176
Dallas, TX 75266-0176

BSNSPORTS

P.O. Box 7726, Dallas, TX 75209
TEL: 800-227-7404 FAX: 972-884-7270
Come visit us at www.bsnsports.com

PO Number: Chlr- Systems
Reference Number: 8406839
Terms: NT30
Due Date: 08/31/2017

Customer #: 1033921
Bill To: BRAINTREE P & R
85 Quincy Ave
BRAINTREE MA 02184-4416

Ship To: BRAINTREE P & R
249 Union St.
BRAINTREE MA 02184-4416

Item Number	Item Description	Material	Color/Team/Size	Qty/ UOM	Unit Price	Extended Price
:005WBXX	4' GOOSENECK W/DBL RIM-CHN NET-PAINT BRD	PR50058		2 EA	660.25	1,320.50

Thank you for your order. This invoice completes your purchase order.
For realtime order status and tracking information go to www.bsnsports.com

A/c 30-01420-6172

IMPORTANT NOTE ABOUT OUR INVOICES

We know smooth processing of our invoice is important to you. If you have any questions about this invoice, please call your Accounts Receivable Service Representative (800-227-7404). We will be happy to answer your questions. Please remember to include our invoice number on your payment remittance so we can properly apply your payment to your account. Enjoy the benefits of online access. To enroll online or pay as a guest, go to www.BSNBilling.com.
Thank you for your business.

To better service your account, please include invoice numbers on your remittance

Customer #:1033921

Invoice # 900219266
Due Date: 08/31/2017

Merchandise Sub Total	Other	Freight	Sales Tax	Invoice Total	Payment/Credit Applied	Total Invoice Amount Due
\$1,320.50	\$0.00	\$120.30	\$0.00	\$1,440.80	\$0.00	\$1,440.80

We accept payments by check, credit card, ACH, wire, and check by phone. Please contact your account rep if you have questions.

* Past due balances are subject to a finance charge of 1.5% per month or the highest rate permitted by applicable law, whichever is lower.

Town of Braintree
Department of Public Works: Recreation
Capital Equipment Purchase Request Form
Schedule G-1 Capital Equipment
Fiscal Year 2022-Reference R10

1. Department: DPW
 2. Sub-Department: Recreation
 3. Date: 1/10/2022
 4. Contact Person: Chris Griffin
 5. Contact Title: Rec. & Community Events Coordinator
 6. Phone: 781-794-8941
 7. Project Name: Aeration Fountains at Sunset Lake
 8. Number of Units Requested: 1
 9. Number of Similar Items in Inventory: 0
 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item

Days per year: Daily
 Average days per week: 7
 Estimated life in years: 5

12. Purchase Price

	Per Unit	Total
Cost:	\$40,000	\$40,000
Plus Installation or other costs:	\$10,000	\$10,000
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$50,000	\$50,000

13. Replaced Equipment

Item:
 Make:
 Age:

14. Recommended disposal of Replaced Item(s):

- Sale
- Possible use by other departments
- Other (Trade-in)

15. Available Aid or Grants (specify):

N/A

16. Comments:

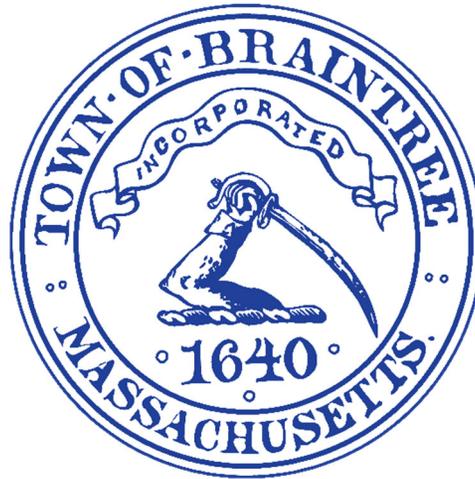
Pumps getting old and need to replace and have current ones as back ups.

17. Submitted by:

Chris Griffin
 Rec. & Community Events Coordinator

18. Priority:

1



Town of Braintree
Department of Public Works
Capital Budget – Solid Waste
Fiscal Years 2022-2026

James Arsenault, PE
Director of Public Works

Town of Braintree
Department of Public Works
Schedule H-1 Summary of Capital Budget Request - Solid Waste
Fiscal Years 2022-2026

Rank	Reference	Project / Item	Type	New/ Replacement	Age of Replacement	Total Dollars	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
1	SO1	Recycling Center Redesign	Construction/Renovation	New	N/A	251,500	251,500	-	-	-	-
2	SO2	10 Wheel Hook Lift Truck w/ plow	Capital Equipment	New	N/A	230,000	230,000	-	-	-	-
Totals						481,500	481,500	-	-	-	-

**Town of Braintree
 Department of Public Works: Solid Waste
 Capital Improvement Project Request Form
 Schedule G-2 Construction/Renovation
 Fiscal Year 2022-Reference SO1**

- | | |
|---------------------------------------|---------------------------|
| 1. Department: | DPW |
| 2. Sub-Department: | Solid Waste |
| 3. Date: | 1/10/2022 |
| 4. Contact Person: | Jeff Kunz |
| 5. Contact Title: | Solid Waste Manager |
| 6. Phone: | 781-794-8088 |
| 7. Project Name: | Recycling Center Redesign |
| 8. Costs: | \$251,500 |
| 9. Expenditure Schedule: | |
| FY22 | \$251,200 |
| FY23 | \$0 |
| FY24 | \$0 |
| FY25 | \$0 |
| FY26 | \$0 |
| 10. Planning & Design: | \$0 |
| 11. Site Improvement & Utilities: | |
| FY22 | \$251,500 |
| FY23 | \$0 |
| FY24 | \$0 |
| FY25 | \$0 |
| FY26 | \$0 |
| 12. Construction/renovation: | \$0 |
| 13. Other (Specify): | |
| 14. Cost Totals: | \$251,500 |
| 15. Available Aid or Grant (specify): | \$75,000 |

Grant and material sales funding on-hand (Trash & Recycling), Covanta Beautification Funds.

16. Description and Justification: The Recycling Center requires upgrades to accommodate safe throughput and oversight due to increased usage and material separation requirements. Approximately 18% of the town's total trash and recycling is now collected at the Center. With the exception of the current, undersized cardboard compactor (purchased before the exploding online ordering resulting in twice as much cardboard today vs. 10 years ago), there has been minimal investment in improvements to handle materials safely. The Center now collects items it was never designed to (shredded paper, returnable bottles, curbside recycling (overflow and non-curbside serviced resident usage), propane tanks, florescent bulbs, clothing, books, metals) all of which require customers to stop multiple times to unload or walk to containers to get rid of their items resulting in interruption to the flow of materials. Additionally, enforcement of excess trash handling (auditing loads, collection of payments, and proper placement) has created additional vehicle staging issues as well as personnel time/location demands on the Center. Lastly, the increased usage by contractors (town-based) has created difficulties managing and operating the facility in a land-locked area.

- | | |
|-------------------|----------------------------------|
| 17. Submitted by: | Jeff Kunz
Solid Waste Manager |
| 18. Priority: | 1 |

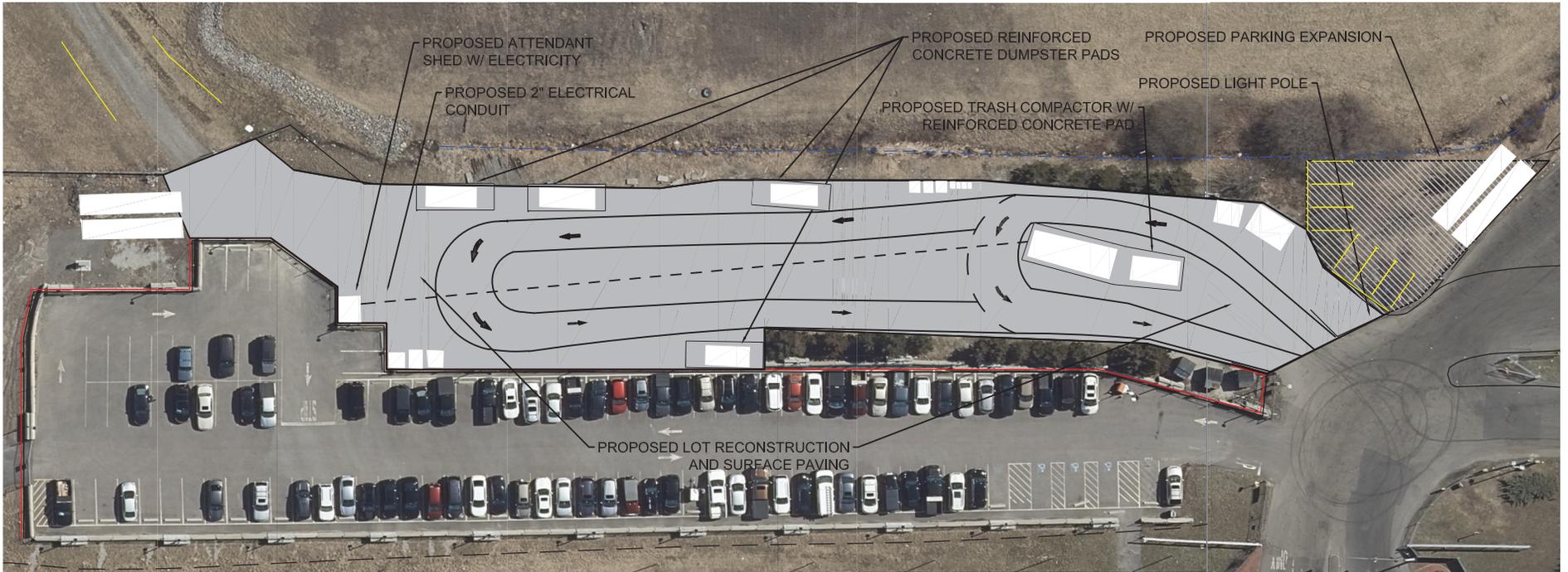
TOWN OF BRAINTREE
FY2021 ROADWORK ESTIMATE

Recycling Center

Scope:

Excavate, Pave Existing Ares, New Concrete Pads for Dumpsters, New Parking, Attendant Shed with Electricity

ITEM	UNITS	UNIT PRICE	QUANTITY	TOTAL
Unclassified Excavation	SY	\$35.00	550.41	\$19,264.50
Class I Bituminous Concrete Cocrete Pavement Type I-1	TON	\$72.00	858.78	\$61,832.13
Dense Graded Crushed Stone for Sub-Base	CY	\$20.00	393.63	\$7,872.54
4000 PSI, 3/4 INCH, 610 Cement Concrete	CY	\$957.09	36.67	\$35,093.33
Steel Reinforcement For Structures	LB	\$8.44	2100.00	\$17,724.00
2 Inch Electrical Conduit - Type NM (Double)	LF	\$45.00	350.00	\$15,750.00
Trash Compactor	LS	18000	1.00	\$18,000.00
Shed	LS	10000	1	\$10,000.00
Light Pole	LS	4000	1	\$4,000.00
Drainage Installation	LS	20000	1	\$20,000.00
			SUBTOTAL	\$209,536.51
		+20% CONTINGENCY		\$41,907.30
			TOTAL \$	251,443.81



TOWN OF BRAINTREE
ENGINEERING DIVISION

PROPOSED RECYCLING CENTER IMPROVEMENTS

SCALE: 1" = 40'
DATE: 2/9/22

DESIGNED BY
DRAWN BY

CHECKED BY

SHEET 1 OF 1
CONTRACT NO.

**Town of Braintree
 Department of Public Works: Solid Waste
 Capital Equipment Purchase Request Form
 Schedule G-1 Capital Equipment
 Fiscal Year 2022-Reference SO2**

- 1. Department: DPW
- 2. Sub-Department: Solid Waste
- 3. Date: 1/10/2022
- 4. Contact Person: Jeff Kunz
- 5. Contact Title: Solid Waste Manager
- 6. Phone: 781-794-8088
- 7. Project Name: 10 Wheel Hook Lift Truck w/ plow
- 8. Number of Units Requested: 1
- 9. Number of Similar Items in Inventory: 1
- 10. Purpose of Expenditure (check as appropriate):

- Scheduled replacement
- Replace worn-out equipment
- Expanded service
- Increased safety
- Present equipment obsolete
- Reduce personnel time
- New operation
- Improve procedures, record, etc.

11. Estimated Use of Requested Item

Days per year: Year Round
 Average days per week: 5
 Estimated life in years: 15

12. Purchase Price

	Per Unit	Total
Cost:	\$230,000	\$230,000
Plus Installation or other costs:	\$0	\$0
Less Trade-in/other discounts:	\$0	\$0
Net Purchase:	\$230,000	\$230,000

13. Replaced Equipment

Item:
 Make:
 Age:
 Item:
 Make:
 Age:

14. Recommended disposal of Replaced Item(s):

- Sale
- Possible use by other departments
- Other (Trade-in)

15. Available Aid or Grants (specify):

N/A

16. Comments:

Additional DPW Hook Lift Truck to keep up with demand at resident drop off at recycling center.

17. Submitted by:

Jeff Kunz
 Solid Waste Manager

18. Priority:

1

Pricing Proposal Form

GBPC|BAPERN GBPC 2020 Trucks

Proposal Due Date: Wednesday, October 19, 2020 at 1:00 PM

Pricing Type: Sale and Lease to Purchase

Respondent: Taylor & Lloyd, Inc. for International Trucks

Item #	Model Year	Manufacturer	Model/Item	Description	Unit Price
12 - 201A	2021	International	HV507	HV507 4 X 2 35,000 GVWR	\$ 83,023.00
Heavy Duty Options					
Engine Options					
214		Cummins	L9	Cummins L 9 Liter 350 HP	\$ 10,757.00
227				Stainless Steel Oil Pan for Cummins L9 from Factory	\$ 1,624.00
Transmission Options for Heavy Trucks					
231		Allison		Allison 4500 RDS Automatic Transmission	\$ 12,013.00
232		Allison		Auto Neutral	\$ 131.00
236		Allison		Transmission Cooler Hoses - Stainless Steel	\$ 542.00
Front Axle Heavy Options					
241		Meritor /Dana Spicer		20,000 Front Axle with 425/65R22.5 Tires with Fender Extensions	\$ 4,873.00
Rear Axle Options					
258		Meritor / Dana Spicer		46,000 lb. Tandem Rear Axle	\$ 16,832.00
Cab & Chassis Options - Heavy Trucks					
269				Power Windows / Door Locks	
277				Arm Rest for Driver or Passenger Seat (each)	\$ 40.00
281				Aluminum Air Tanks	\$ 520.00
282				Spare Tire and Wheel	\$ 939.00
286				Bright Finish Stainless Steel Fuel Straps per Tank	\$ 264.00
287		Cummins		Engine Exhaust Brake	\$ 188.00
290				Automatic Traction Control - Air Brakes	\$ 213.00
291				Trailer Brake Connections - Air Brakes	\$ 457.00
292				Trailer Brake Connections - Electric Brakes	\$ 368.00
297		Cole-Hersee		300 Amp, Disconnects Charging Circuits, Locks with Padlock, Cab Mounted	\$ 397.00
298				Fiberglass Exterior Roof Sun Visor	\$ 257.00
299				Stainless Steel Exterior Roof Sun Visor	\$ 698.00
300				C-Loop Heated, Power, Heated Black Heads and Arms	\$ 286.00
309				Powder Coated Wheels	\$ 73.00
310				200/210 Amp Alternator - Leece-Neville - Bosch - Delco Remy	\$ 404.00
313				Heated Front Windshield -HV	\$ 641.00
314				Cowl Tray Lid	\$ 203.00
316				Hood Mounted Convex Mirrors	\$ 193.00
317				Outer C Channel Reinforcement	\$ 1,675.00
Heavy Duty Body Equipment					
346				Stainless Steel Rear Fenders	\$ 1,500.00
349				Pintle Plate	\$ 1,100.00
602				Automatic Transmission Mounted Central Hydraulic System	\$ 6,598.00
Snow Plow Equipment					
642				Heavy Duty Stationary Quick Hitch with Lights and Control Valve	\$ 8,000.00
646				Power Reverse Hydraulic Controls	\$ 1,100.00
666				RUBBER FLAP FOR PLOW	\$ 500.00
675		Flink		FLINK-Heavy Duty 11' Power Reversing Trip Edge Plow	\$ 12,423.00
Hook Loader Equipment					
819		Ampliroll		Ampliroll Hook loader for 14' to 18' Bodies, 40,000 lbs. Capacity	\$ 34,946.00
835				Custom Cab Guard (Headache Rack)	\$ 1,850.00
Lighting Systems					
949				LED WARNING SYSTEM: Front Grill and Two Rear mounted flashers	\$ 1,550.00
952				Small Roof Mounted LED Light Bar	\$ 1,421.00
Extended Service Contracts					
962		Cummins	MV607/HV507	Cummins L9 To 72-Month/150,000 Miles Protection Plan 1 and Aftertreatment	\$ 7,130.00
970		Navistar	HV507	Navistar To 84-Month/100,000 Miles Extended Warranty Excludes Engine and Transmission	\$ 4,800.00
978		Allison		Allison "Extended Transmission Coverage" to 7 Years - 4000 & 4500 Series	\$ 1,472.00
					\$ 222,001.00
Snow & Ice Equipment					
713		Downeaster		Downeaster 10 ft. chassis mounted Spreader	\$ 9,242.00
714				Upgrade to 13/14 Ft. 10 Cubic Yard Spreader - Add	\$ 7,200.00
715				Manual Spreader Fluid Control Valve, Plumbed	\$ 2,300.00
717				Sander Spill Shields	\$ 900.00
722				Stainless Steel Upgrade for 13'/14' Sander	\$ 7,613.00
723				4" Flood Light for Spreader- LED	\$ 400.00
724				Dual Steel Diamond Tread Cat Walks with Access Steps	\$ 1,800.00
725				Reinforced Bumper to Protect Spinner Chute	\$ 1,100.00
728				Calcium Applicator, Dual Poly Tanks	\$ 4,545.00
762				Top Sectional Screens for Dump/Spreader	\$ 2,842.00
831				Hook loader Skid for Mounting Optional Bodies	\$ 2,700.00
832				Custom Support Legs for Specialized Bodies	\$ 2,700.00
					\$ 43,342.00

CHASSIS SPECS

"HOOK LIFT"

2016 H-D chassis "Conventional" 10 Wheeler

GVW: 66,000

Frame: W.B. 220" w/150" C.T.

Front Frame Extension (Plow)

Frame 11 5/8-3/8 120X PSI Steel Rails RBM 2.6M "Single Rails"

H-D 3 PC Cross Members

FRONT AXLE:

20,000" cap w/20,000" springs, front H-D air disc brakes w/shield aluminum hubs.

REAR AXLE:

46,000" Dana D46-170 Hendrickson Haulmax 46,000" w/shocks H-D air disc brakes w/ shields Dif-Lock both axles w/ ATC

Ratio 5.67-1

Steel suspension in cert 10 3/4 X 3/8

Suspension 46,000# HN-46 "Hendrickson"

ENGINE:

9L-345 H-P w/1,150 FT. has Torque Belly Pan under Radiator

3-H-D Batteries w/Master Switch in cab Battery Box w/3-2400 CCA AMG BAT

Battery Terminals under hood

18.7 Compressor

Block Heater

Engine compression brake

Heated fuel water separator

Exhaust system R/H vertical

160 AMP-ALT.

TRANSMISSION:

Allison RDS 3000P-6sp.

Auto Neutral

1760 U-Joints

Dash Mount Key Pad.

AIR & EQUIPMENT:

Bendix AD-EP dryer

Aluminum Air Tanks

Body Connections BOC

A&E to E.O.F.

TIRES & WHEELS:

Front: 315/80R 22.5 20ply

Rear: 11 X 22.5 16ply M-S tread

Front Wheels Alcoa 9X2.25 (10K rated)

Rear Wheels Alcoa 8.25 x 22.5

Fuel Tank: 70 gallon aluminum mounted

LH/U/C

Def Tank: Medium cap. 24 gal.

Bumper H-D steel

CAB & EQUIPMENT:

108 BBC conventional w/all aluminum construction

Cab insulation

2" fender lips

Seat: air driver & stationary pass

Hi-back w/arm rest

Tilt & Telescopic steering wheel

@ nb A/C

7X16 s/s mirrors w/6" spot heated

2 fender mount 8" mirrors

2 air horns Rcc. Top of cab

AM/FM Radio

1 6" spot light l/door pillar

5 Marker Cab LTS LED

WARRANTIES:

Basic 3yr/100K

Engine 5yr/100K

After-Treatment 5yr/100K

Transmission 5yr

Shop Manuals



McDevitt Peterbilt M700
939 East Street

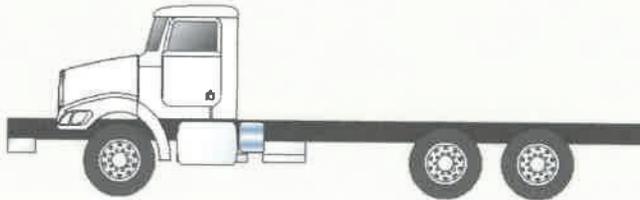
TOWN OF BRAINTREE DPW
245 UNION ST

Tewksbury, Massachusetts United States
Phone: (800) 370-7383
Fax: (978) 858-3705
Email:

BRAINTREE, MAS 02184
Phone: (617) 888-9999
Fax:
Contact Email:
Prepared for:

Vehicle Summary Image Report

Model 348	List Price:	\$159,862	Weight:	16132
Engine	PACCAR PX-9 345@1900 GOV@2100 1150@1400			
Front Axle	Dana Spicer D2000F 20,000 lb. 3.5in Dro			
Front Tires	FF: BR 29ply 315/80R22.5 M860A			
Rear Axle	Dana Spicer D46-170 46,000 lb			
Rear Tires	RR: BR 16ply 11R22.5 L320			
RrAxle Ratio	Ratio 5.67 Rear Axle			
Suspension	Hendrickson Haulmaxx HMX460 46,000 lb.			
Transmission	Allison 3000 RDS-P Transmission, Gen 5			
Quote/DTPO/CO Number: Q15670163				



**Unpublished options may require review/approval.
Dimensional and performance data for unpublished options may vary from that displayed in PROSPECTOR.**

Printed:	5/11/2015 4:53:03 PM	Complete	Model Number:	Model 348
Effective Date:	Jan 1, 2015		Quote/DTPO/CO:	Q15670163
Prepared by:	ID: renebarrett		Version Number:	30.22



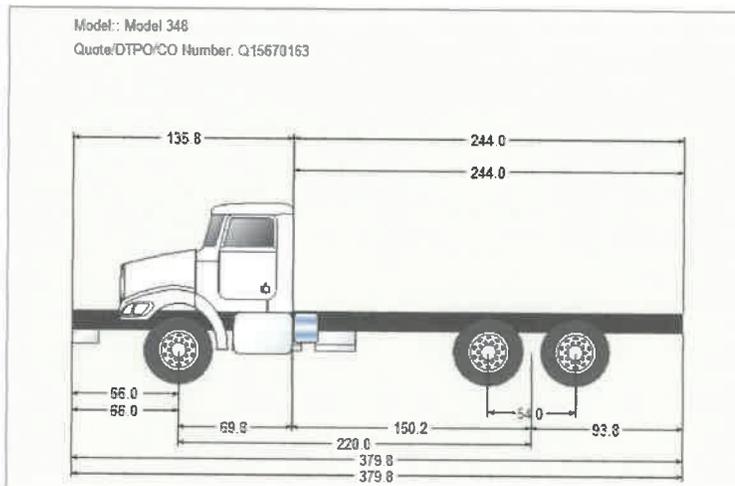
McDevitt Peterbilt M700
939 East Street

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Tewksbury, Massachusetts United States
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Horizontal Dimensions



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Effective Date: Jan 1, 2015
Prepared by: ID: renebarrett

Complete

Model Number: Model 348
Quote/DTPO/CO: Q15670163
Version Number: 30.22



McDevitt Peterbilt M700
939 East Street

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Contact Email:
Prepared for:

Weight Distribution

Weight Distribution

Actual performance of a specific unit can be affected by your operating conditions. The performance calculations should only be used as a guideline.

Truck Spec	Auxiliary Payload
Model: Model 348 Quote/DTPO/CO Number: Q15670163	

Recommended Payload Center of Gravity to achieve specified ground loads; measured from centerline of drive axle: 47 in. from the centerline of the drive axle(s).

Weight (lbs)	Front	Rear	Total
Chassis	8744	7398	16132
Tools/Driver	298	77	375
Fuel & DEF	504	193	697
Max Payload	10454	38342	48796
Auxiliary Payload	0	0	0
Total	20000	46000	66000

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Printed: 5/11/2015 4:53:33 PM
 Effective Date: Jan 1, 2015
 Prepared by: ID: renebarrett

Complete

Model Number: Model 348
 Quote/DTPO/CO: Q15670163
 Version Number: 30.22



McDevitt Peterbilt M700
939 East Street

TOWN OF BRAINTREE DPW
245 UNION ST

Tewksbury, Massachusetts United States
Phone: (800) 370-7383
Fax: (978) 858-3705
Email:

BRAINTREE, MAS 02184
Phone: (617) 888-9999
Fax:
Contact Email:
Prepared for:

Vehicle Summary

Unit		Chassis	
Model:	Model 348	Fr Axle Load (lbs):	20000
Type:	Full Truck	Rr Axle Load (lbs)	46000
Description:	HOOK LFT	G.C.W. (lbs):	66000
Application		Road Conditions:	
Intended Serv.:	Snowplow	Class A (Highway)	100
Commodity:	Other Commodity	Class B (Hwy/Mtn)	0
Body		Class C (Off-Hwy)	0
Type:	End Dump	Class D (Off-Road)	0
Length (ft):	18	Maximum Grade:	6
Height (ft):	13.5	Wheelbase (in):	220
Max Laden Weight (lbs):	1000	Overhang (in):	93.79999
Trailer		Fr Axle to BOC (in):	69.8
No. of Trailer Axles:	0	Cab to Axle (in):	150.2
Type:		Cab to EOF (in):	244.0
Length (ft):	0	Overall Comb. Length (in):	380
Height (ft):	0.0	Special Req.	
Kingpin Inset (in):	0	United States Registry	
Corner Radius (in):	0		
Restrictions			
Length (ft):	40		
Width (in):	102		
Height (ft):	13.5		

Approved by: _____

Date: _____

Note: All sales are F.O.B. designated plant of manufacture.

	Ask your dealer for a quote today, or visit our website @ www.paccarfinancial.com .
	PACCAR Financial offers innovative finance, lease and insurance programs customized to meet your needs.

Unpublished options may require review/approval.

Printed: 5/11/2015 4:53:51 PM **Complete** Model Number: Model 348
 Effective Date: Jan 1, 2015 Quote/DTPO/CO: Q05370408
 Prepared by: ID: renebarrett Version Number: 30.22



McDevitt Peterbilt M700
 939 East Street

TOWN OF BRAINTREE DPW
 245 UNION ST

Tewksbury, Massachusetts United States
 Phone: (800) 370-7383
 Fax: (978) 858-3705
 Email:

BRAINTREE, MAS 02184
 Phone: (617) 888-9999
 Fax:
 Contact Email:
 Prepared for:

Data	Code	Description	Weight
Base Model			
0003481	O	Model 348	10,660
0091200	O	Other Commodity	0
0093150	O	Snowplow Truck which is configured for mounting a snowplow to the front. May also have dump or other body.	0
0095170	O	End Dump	0
0098170	O	United States Registry	0
Configuration			
0200700	O	Not Applicable Secondary Manufacturer	0
Frame & Equipment			
0519180	O	11-5/8in Steel Rails to 444in 11.625 x 3.874 x .375 Dimension, 2,568,000 RBM; Yield Strength: 120,000 psi. Section Modulus: 21.4 cubic inches. Weight: 1.91 lbs/inch pair	771
0612180	O	220in Wheelbase	0
0613090	S	Three-Piece Crossmembers	0
0620530	O	FEPTO Provision 27.8in Bumper Extension Includes Crankshaft Adapter Plate and Stationary Grille. Requires FEPTO Bumper.	86
0644090	S	EOF Square without Xmbr For use with body builder installed crossmember.	0
0651090	S	Omit Rear Mudflaps and Hangers	0
Front Axle & Equipment			
1011360	O	Dana Spicer D2000F 20,000 lb, 3.5in Drop Factory front axle alignment to improve handling & reduce tire wear. Zerk fittings on tie rod ends, king pins, & draglink ball joints for ease of maintenance & help extend service life of components. Cognis EMGARD® FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life.	503
1114030	O	Taper Leaf Springs, Shocks 20,000 lb Standard with Heavy Resistance Shocks.	0

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Printed: 5/11/2015 4:53:51 PM
Effective Date: Jan 1, 2015
Prepared by: ID: renebarrett

Complete

Model Number: Model 348
Quote/DTPO/CO: Q05370408
Version Number: 30.22



Data	Code	Description	Weight
1250250	O	Power Steering Reservoir Frame Mounted w/Cooler	2
1353505	O	PHP10 Aluminum LMS Hubs-Air Disc	144
1380290	O	Air Disc Front Brakes Complies with reduced stopping distance regulations.	0
1390540	O	Dust Shields, CAM And Air Disc Brakes, Front Axle	4
1391390	O	Long Stroke Brakes, Front Axle	0
1391410	O	Gusseted Cam Brackets, Steer Axle	0
Rear Axle & Equipment			
1523340	O	Dana Spicer D46-170 46,000 lb Interaxle diff lock air rocker occupies space of one gauge. Laser factory axle alignment to improve handling & reduce tire wear. Magnetic rear axle oil drain plug captures & holds any metal fragments in drive axle lube to extend service life. Parking brakes on all drive axles for optimal performance. Cognis EMGARD® FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life.	2,525
1616220	O	PHP10 Aluminum LMS Hubs 11-1/4" bolt circle. Includes a supplier extended coverage up to 3 years / 350,000 miles for bearings & seals.	-60
1632650	O	Long Stroke Parking Brakes, Drive Axle(s)	20
1660020	O	Dust Shields For Air Disc Brakes, Drive Axle(s) Includes pad & rotor shields.	15
1672630	O	Diff Lock Both Axles (Air Rocker Switch occupies the space of one gauge)	60
1680280	O	Bendix Smart ATC Traction Control	2
1680450	O	Rear Brake Camshaft Reinforcement	9
1680460	O	Heavy Wall, Drive Axle(s)	88
1680470	O	Lube Pump, Drive Axle(s)	36
1680490	O	Gusseted Cam Brackets, Drive Axle(s)	2
1680500	S	SBM Valve Full trucks require a spring brake modulation (SBM) system for emergency braking application. This system requires an SBM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle spring brakes if a failure exists in the rear air system.	0
1680950	S	Stability System Not Selected or Not Available	0
1682710	O	Anti-Lock Braking System (ABS) 6S6M ABS-6. Includes air braking system.	35

Printed:	5/11/2015 4:53:51 PM	Complete	Model Number:	Model 348
Effective Date:	Jan 1, 2015		Quote/DTPO/CO:	Q05370408
Prepared by:	ID: renebarrett		Version Number:	30.22



Data	Code	Description	Weight
1684200	S	Synthetic Axle Lubricant All Axles Peterbilt heavy duty models include Fuel Efficient Cognis EMGARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricant provides improved fluid flow to protect gears in extreme cold conditions and withstand the stress from high temperatures, extending component life.	0
1687040	O	Air Disc Rear Brakes, Tandem Drive Axle Inc automatic slack adjusters.	0
1687348	O	Tandem Drive Axle (Model 348)	0
1705570	O	Ratio 5.57 Rear Axle	0
1824240	O	Hendrickson Haulmax HMX460 46,000 lb, 54in Axle Spacing, 60K Creep Rating	593
1911330	O	Steel Suspension Insert To EOF 10-3/4x3/8 For use with 11-5/8in frame rail	0
1921470	O	Shock Absorbers For HMX Suspension	30
Engine & Equipment			
2058409	O	PACCAR PX-9 345@1900 GOV@2100 1150@1400 (2013 Emissions) Includes aluminum flywheel housing. Chevron Delo LE SAE 10W30 engine oil is specially formulated for new low emissions engines. Magnetic engine oil drain plug captures and holds any metal fragments in engine oil to extend service life. N21320 N205 120..Standard Maximum Speed Limit [LSL] N21330 N207 0....Expiration Distance N21340 P005 120..Hard Maximum Speed Limit N21350 P001 70...Maximum Accelerator Pedal Vehicle Speed N21360 P110 0....Accelerator Lower Droop N21370 P059 70...Maximum Cruise Speed N21380 P111 0....Cruise Control Lower Droop N21400 N203 252..Reserve Speed Function Reset Distance N21410 N202 0....Maximum Cycle Distance N21420 N206 10...Maximum Active Distance N21430 N201 0....Reserve Speed Limit Offset N21440 P015 No...Engine Protection Shutdown N21450 P026 No...Gear Down Protection N21460 P046 1400.Max PTO Speed N21470 P062 No...Cruise Control Auto Resume N21480 P068 No...Auto Engine Brake in Cruise N21500 N209 0....Expiration Distance N21510 P520 Yes..Enable Idle Shutdown Park Brake Set N21520 P030 5....Timer Setting N21530 P233 Yes..Enable Impending Shutdown Warning N21540 P234 60...Timer For Impending Shutdown Warning N21550 P516 35...Engine Load Threshold N21570 P031 No...Idle Shutdown Manual Override N21590 P230 Yes..Enable Hot Ambient Automatic Override N21610 P172 40...Low Ambient Temperature Threshold N21620 P173 60...Intermediate Ambient Temperature Threshold N21630 P171 80...High Ambient Temperature Threshold	0
2091305	O	Engine Idle Shutdown Timer Enabled	0

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Data	Code	Description	Weight
2091372	O	Eff EIST NA Expiration Miles	0
2091640	O	Effective VSL Setting NA	0
2140010	O	Belly Pan	35
2140220	O	CARB Engine Idling Compliance DECLINED By Dealer/Customer	0
2513060	S	PACCAR 160 Amp Alternator, Brushed	0
2521090	O	Immersion Type Pre-Heater 110-120V Standard location is center left hand under cab and includes a weather-proof cover that protects the receptacle. This pre-heater keeps the coolant in the engine block from freezing when the engine is not running.	2
2521110	O	Oil Pan Heater 120V/300W Operates via 120V ShorePower System and keeps the oil warm when the engine is not running. This option utilizes the same receptacle as the immersion pre-heater if specified together.	2
2522050	S	PACCAR 12V Starter	0
2535040	O	3 Optima DT31T Batteries 2700 CCA Threaded Stud type terminal. AGM (Absorbent Glass Material). Stranded copper battery cables are double aught (00) or larger to reduce resistance.	55
2539090	O	Big Switch Battery Disconnect Mounted on Battery Box	4
2539410	O	Battery Jumper Terminal Mounted Under Hood LH Frame Rail. Not available with PX-7 engines.	4
2621000	O	2-Speed Fan Clutch For Frequent Start/Stops	0
2723210	S	18.7 CFM Air Compressor Furnished on engine. Teflon lined stainless steel braided compressor discharge line.	0
2812140	O	C-Brake By Jacobs, PX-9	90
2922780	O	Spin-On Fuel Filter/Water Separator, 12V Heated Frame Mounted. In addition to the fuel filter supplied with the engine. Includes fuel water separator on Models 330, 337, and 348.	0
3114270	S	High Efficiency Cooling System Silicone radiator & heater hoses enhance value, durability, & reliability. Constant tension band clamps reduce leaks. ClimaTech extended life coolant extends maintenance intervals which reduces maintenance costs. Anti-freeze effective to -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant condition to prevent engine damage. Radiator Size by Model: 587: 1330 sq in, 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 384/386: 1301 sq in, 382/365 FEPTO: 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in.	0
3211120	S	Radial Seal, Dry Type Air Cleaner, Frontal Air Intake. Molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in air intake.	0
3365040	S	Exhaust Single RH Side Of Cab	0

DPF/SCR RH under cab. Includes cab entry RH under cab and full round stainless steel exhaust guard.

3381770	O	Curved Tip Standpipe(s)	0
3387610	O	18in Ht, 5in Dia Chrome, Clear Coat Standpipe(s)	-2

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Data	Code	Description	Weight
Transmission & Equipment			
4052110	O	Allison 3000 RDS-P Transmission, Gen 5 Rugged Duty Series. Includes Rear Transmission Support, TranSynd Automatic Transmission Fluid, and Water Oil Heat Exchange. Also includes features that monitor the transmission fluid, filter and clutch condition. Will display percent life remaining for the transmission fluid, filter and clutches on the shift selector. This information may be displayed using the Mode and Up and Down buttons. A wrench icon will also be included to indicate when the transmission fluid, filter or clutches need servicing. (Suited for vehicles operating on/off highway and/or requiring PTO operation)	110
4210200	O	1760 HD Driveline, 1 Midship Bearing	-20
4250320	O	Programming Allison Snowplow Primary shift 1 and shift 2, secondary shift schedule fixed 2 (no LBSS)	0
4250720	O	Allison FuelSense Not Desired	0
4252170	O	Auto Neutral Activates With Parking Brake	0
4256640	O	Allison 6-Speed Configuration, Close Ratio Gears 3000 Series Transmissions	0
4256920	O	Dash Mounted Push Button Shifter	0
Air & Trailer Equipment			
4510760	O	Bendix AD-IS EP Air Dryer with Heater Extended Purge (for use with higher air consumption applications). An integrated system air dryer that incorporates the functions of the air dryer, purge reservoir (which increases the drying capacity), wet air tank, pressure relief valve, single check valves, and pressure protection valve for air susp and other air accessories. Includes easy-to-service spin-on dessicant cartridge.	39
4520420	O	Berg Pull Cord Drain Valve(s) - All Air Tanks	0
4540420	S	Nylon Chassis Hose	0
4543340	O	Aluminum Painted Air Tanks All air tanks are aluminum with painted finish except when Code 4543330 Polish Aluminum Air Tanks is also selected (then exposed air tanks outside the frame rails will be polished aluminum). Peterbilt will determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed.	-45
4611930	O	Body Connections 5ft BOC Junction Box contains light and power circuits for Body Connections located 5ft from BOC.	4
4612800	O	Trailer Hand Valve	11

4612900 O **A&E Conn EOF w/7-way Socket (w/Conn EOF Strapped to the rail)** 15

Tires & Wheels

5068590 O **FF: BR 20ply 315/80R22.5 M860A** 92
 Diameter = 42.8 inches; SLR = 19.9 inches
 5168840 O **RR: BR 16ply 11R22.5 L320** 224
 Diameter = 42.4 inches; SLR = 19.7 inches. Compares to Michelin X Works XDY and Goodyear G282 MSD tread.

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Data	Code	Description	Weight
5190008	O	Code-rear Tire Qty 08	0
5220250	O	FF: Alcoa 893657 LVL1 22.5X9.00 Alum Wheel Pilot Mount	-38
5320410	O	RR: Alcoa 885657 LvL1 PLT 22.5X8.25 Aluminum wheel severe service.	-160
5390008	O	Code-rear Rim Qty 08	0
Fuel Tanks			
5554100	O	26in Aluminum 70 Gallon Fuel Tank LH U/C Includes steps for cab access. Paddle handle filler cap with threadless filler neck. Top draw fuel plumbing reduces chance of introducing air into the fuel system during low fuel level conditions due to the central placement of fuel pickup tube. Wire braid fuel lines increase durability & reduce potential for leaks.	11
5602070	O	Location LH U/C 70 Gallon	0
5652890	O	DEF Tank Mounted LH BOC Models 210, 220 and 320 mounted LH cab fender.	0
5652990	O	Standard DEF To Fuel Ratio 2:1 Or Greater	0
5655029	O	DEF Tank Medium	22
Battery Box & Bumper			
6010780	O	Aluminum Space Saver Battery Box RH BOC Battery Access From Side	-84
6040550	S	Aftertreatment RH U/C Alum Non-Slip Cab Entry Step. DPF/SCR for diesel engines, catalyst for natural gas engines. On Models 579 specifying chassis fairings, the box will be aerodynamic.	0
6121060	O	Steel Bumper Swept Back Painted Black, FEPTO only With two tow pin holes and step plates on top of bumper.	90
Cab & Equipment			
6510110	S	Alum Cab 108in BBC Metton Hood w/Bright Crown Includes view window RH door and convex mirror over RH door.	0
6540120	O	Severe Service Cab Package #1 Includes Aluminum side skins, aluminum rear skin, steel windshield mask, steel firewall, and steel front floor sheet on all cabs, and additional reinforcement structure on the back wall of the day cab.	39
6540160	O	Thermal Insulation Package in Cab	2

Includes thick, closed-cell foam in floor, special mylar-faced foam in walls and roof structure.

6800360	O	Rubber Fender Lips 2 Inch Wide	8
6911700	S	Peterbilt UltraRide Driver Seat	0
6921700	S	Peterbilt UltraRide Passenger Seat	0
6930500	O	Drivers Armrest - RH Only Required in Model 587 with Evolution LX seats. Optional with Evolution ST and Rolltek Seats.	2
6930590	O	Passenger Armrest - LH only Required with Evolution LX seats, optional with Evolution ST Seats.	2
6930800	O	Black Seat Color ipo Standard Color	0
6931130	O	Seat Belt Color Red IPO Standard Black	0

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Data	Code	Description	Weight
6939400	S	Air Ride Driver	0
6939420	S	High Back Driver	0
6939470	S	Vinyl Driver	0
6939510	S	Non-Air Ride Passenger	0
6939520	S	High Back Passenger	0
6939570	S	Vinyl Passenger	0
7001520	O	Adjustable Steering Column - Tilt/Telescope	11
7001620	S	Steering Wheel with Peterbilt Logo Steering Wheel with embossed Peterbilt logo over horn button.	0
7036120	S	Interior Grey/Black Includes rugged charcoal instrument panels, glare-resistant gray dash, black bezels on gauges, (2) power ports, monochromatic molded door pads with durable in-mold color, gray molded back wall, 18 inch 4-spoke soft-touch steering wheel, soft-touch steering column cover, power lift passenger window, extruded rubber floor covering, header-mounted dome light, foot well lighting, integrated "dead pedal", (4) inside entry grab handles, (2) inside sunvisors, (2) coat hooks, (2) cup holders and map bin in dash.	0
7210430	O	Extended Rear Window ipo Std Window-Day Cab The extended rear window protrudes two inches more than the standard conventional rear cab window. Take this into consideration when determining your loadspace.	0
7210540	S	Day Cab Rear Window	0
7230060	S	One Piece Curved Windshield	0
7322010	S	Combo Fresh Air Heater/Air Conditioner With radiator mounted condenser, dedicated side window defrosters, Bi-Level Heater/Defroster Controls, 54,500 BTU/HR, and silicone heater hoses.	0
7410040	O	Outside Sunvisor - Stainless Steel Available for Day Cab and Low Roof Sleeper.	4
7511010	O	Stainless Steel Mirrors 7x16 with Heat Element	2

7560850	O	(2) Convex 8 Inch SS Mirror Center mounted under mirror bracket. If rear view mirrors are heated, the convex mirrors will be heated. Option includes dual door stops.	4
7560940	O	Mirror Aux RH Fender/Hood (2 legs on fender and 1 leg on hood)	4
7560950	O	Mirror Aux LH Fender/Hood (2 legs on fender and 1 leg on hood)	4
7620620	O	(2) Air Horns 24.5in Chrome - Round w/Horn Shield	16
7725710	O	Standard Speaker Package For Cab (2) Speakers	4
7725715	O	ConcertClass Without CD, Includes BT Phone and Audio, AM/FM, WB, USB and MP3.	10
7850210	O	Plug-In Auto Reset Circuit Breaker in place of fuses in junction box.	0
7851480	S	Peterbilt Electric Windshield Wipers With Intermittent Feature.	0

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Data	Code	Description	Weight
7900090	O	Triangle Reflector Kit Shipped Loose	13
7900270	O	5 lb 3A:40bc Fire Extinguisher Cab Mounted	8
7901130	O	Backup Alarm (107dB)	3
8021380	S	Air Restriction Indicator Mounted on air cleaner or intake piping.	0
8071510	O	(1) Additional Electric Switch Without Wiring	0
8071520	O	(2) Additional Electric Switches Without Wiring	0
8071870	S	Main Instrumentation Panel, Graphics Display Includes speedometer with tripodometer, tachometer with hourmeter and outside air temperature display, voltmeter, engine oil pressure, engine coolant temperature, fuel level, primary and secondary air pressure gauges. Includes standard warning light package: high water temperature, low oil pressure, and low air pressure warning lights w/audible alarms, high beam, turn signal, low fuel, parking brake, and ice warning indicators; seat belt reminder; rocker switches with long-life LED indicators; multi-function turn stalk with flash-to-pass feature (night mode flashes headlights and marker lights; day mode flashes headlights only), intermittent windshield wiper and headlamp beam control. Hydraulic braked trucks do not include air pressure gauges.	0
8111110	S	Headlights Composite Fender Mounted Integral Park, Turn, and Side Marker	0
8121170	O	(5) Marker Lights, Bus LED Bullet Light Emitting Diodes	0
8132210	O	(1) 6in Spotlight, Round Halogen LH	4
8133470	O	Switch And Wiring For F/O Beacon/Strobe 10ft coiled wire BOC/BOS at rear sill.	2
8134070	O	(2) Addl Dome/Reading Lights, Ceiling Mounted	0

8140350	O	LED Stop/Turn/Tail 40204 Backup, bracket mounted LH/RH EOF	2
8153100	O	(1) F/O Load Light, Switch & 10ft Wire Coil Under / in cab / sleeper	2
Paint			
8530770	O	(1) Color Axalta Two Stage - Cab/Hood Base Coat/Clear Coat N85020 A - L0105EB GREEN N85400 HOOD TOP L0105EB GREEN N85500 CAB ROOF L0105EB GREEN N85200 FRAME N0001EA BLACK N85300 FENDER L0105EB GREEN	0
Options Not Subject To Discount			
9400000	U	Allison TRANS. 5YR WARRANTY	0
9400010	U	shop manuals	0

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Data	Code	Description	Weight
9401711	O	Basic Vehicle - U.S. (3/200) Three Years/200,000 Miles. All components covered in the Standard Basic Vehicle Warranty schedule plus Heater/Air Conditioner Warranty which includes all HVAC system except receiver-dryers, refrigerant leaks at o-rings, loose fittings or rubber hoses, or other maintenance-related items. General exclusions of Extended Warranty Program in all categories excludes batteries, chrome, paint, loose fitting leaks and wiring connections, fluids, component wear, and other items excluded from the Peterbilt standard warranty.	0
9402533	O	PACCAR 2013 PX-9 Protection Plan 1 (5/100) Five Years/100,000 Miles/160,935 Kilometers. Coverage is 100 percent parts and labor with no deductibles on internally lubricated components and major engine systems including turbo charger, water pump, and fuel injectors.	0
9402542	O	PACCAR 2013 PX-9 Aftertreatment Coverage (5/100) Five Years/100,000 Miles/160,935 Kilometers. Coverage is 100 percent parts and labor with no deductibles on the DEF controller / dosing unit / dosing valve, SCR catalyst, catalytic converter particulate filter, SCR/DPF temperature sensor interface module, and other related aftertreatment parts as detailed in Cummins Bulletin #3381446.	0
9408905	O	Medium Duty Emissions Surcharge	0
Miscellaneous			
9409960	O	Presentation Created Using Featured Spec For Model	0



McDevitt Peterbilt M700
939 East Street

TOWN OF BRAINTREE DPW
245 UNION ST

Tewksbury, Massachusetts United States
Phone: (800) 370-7383
Fax: (978) 858-3705
Email:

BRAINTREE, MAS 02184
Phone: (617) 888-9999
Fax:
Contact Email:
Prepared for:

Customer Quote

Equipment

Quantity Ordered:	1
Truck Price:	\$159,862
Dealer Options:	\$0
Equipment List Price:	\$159,862
Surcharges Not Subject to Discount:	\$0
Options Not Subject to Discount:	\$5,645
Factory Freight Cost:	\$2,100

Total Equipment Price: \$167,607

NET Sale Price: \$123,980

Miscellaneous

FET Tire Credit:	\$0
Net Chassis FET:	\$0
State Tax:	\$0
Body/Trailer/Accessories FET:	\$90,275
Fees:	\$0
Other:	\$0

Quotation Total: \$214,255

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Complete

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Version Number: 30.22

Carey Auto Inc
37 County Road
Plympton, MA 02367
Phone: 781-582-1378
Fax: 781-585-4438

Quote

Date Quote #
5/11/2015 6389 REV

Name / Address
McDevitt Trucks
1 Mack Drive
Manchester NH 03108

Vehicle Information
Braintree Town of
Renc

Deposits are Non-Refundable

Item	Description	Qty	Price Each	Total
HookLift System	Install Ampliroll 40,000 lb Hooklift AL150 61" Hook height, Body lengths from 12-18 feet CT 150" Fully installed with Hotshift PTO All hydraulics to run sander, plow Hooklift Flink Style Quick link plow Frame 14' Stainless Steel DownEaster Sander on Hook skid with Drop legs and Rear rollers Calcium Tanks mounted on side with stainless straps All electric controls insides cab Light package at rear of sander. 6 Corner Strobe system LED on truck 60" ProTech Toolbox Mounted on frame ProTech backpack behind cab with toolbox center mount rear facing LED Spotlights. Federal Signal light bar clear with amber LED Strobes mounted to back rack Custom built aluminum Fenders 3/6 Diamond plate construction to cover tandems. custom steel brackets to hold up to 300 lbs 16' Dump Body Hooklift style 17' / 25 yard Dumpster with single rear door 17' / 15 yard Dumpster with single rear door 17' Flatbed with beaver tail, Stake pockets and rub rail		90,275.00	90,275.00

Subtotal \$90,275.00
Sales Tax (6.25%) \$0.00
Total \$90,275.00

Thank you for the opportunity to quote you. Please call with any questions. Prices subject to change without notice.

Offer accepted: _____

E-mail	Web Site
careyauto@comcast.net	www.careytruck.com