

TOWN OF HOPKINTON - MAIN STREET RECONSTRUCTION
25% PARTICIPATING COST ESTIMATE 10/12/2012

Item No.	Qty.	Unit	Item Description	Unit Price	Amount
100.01	1	LS	SCHEDULE OF OPERATIONS - FIXED PRICE \$37,500	\$37,500.00	\$ 37,500
101.	1	A	CLEARING AND GRUBBING	\$17,000.00	\$ 17,000
102.2	1	LS	TREE TRIMMING	\$3,000.00	\$ 3,000
103.	7	EA	TREE REMOVED - DIAMETER UNDER 24 INCHES	\$550.00	\$ 3,850
104.	2	EA	TREE REMOVED - DIAMETER 24 INCHES AND OVER	\$1,100.00	\$ 2,200
120.	12,300	CY	EARTH EXCAVATION	\$25.00	\$ 307,500
141.	138	CY	CLASS A TRENCH EXCAVATION	\$30.00	\$ 4,140
141.1	50	CY	TEST PIT FOR EXPLORATION	\$50.00	\$ 2,500
144.	50	CY	CLASS B ROCK EXCAVATION	\$150.00	\$ 7,500
145.	10	EA	DRAINAGE STRUCTURE ABANDONED	\$500.00	\$ 5,000
146.	25	EA	DRAINAGE STRUCTURE REMOVED	\$400.00	\$ 10,000
151.	5,800	CY	GRAVEL BORROW	\$35.00	\$ 203,000
156.	900	TON	CRUSHED STONE	\$40.00	\$ 36,000
170.	36,000	SY	FINE GRADING AND COMPACTING	\$3.50	\$ 126,000
201.5	45	EA	CATCH BASIN - MUNICIPAL STANDARD	\$2,800.00	\$ 126,000
201.51	1	EA	DOUBLE CATCH BASIN	\$3,000.00	\$ 3,000
202.01	21	EA	MANHOLE - MUNICIPAL STANDARD	\$3,000.00	\$ 63,000
202.05	2	EA	SPECIAL MANHOLE	\$8,000.00	\$ 16,000
202.06	1	EA	MANHOLE - 5' DIAMETER	\$4,000.00	\$ 4,000
220.	25	EA	DRAINAGE STRUCTURE ADJUSTED	\$300.00	\$ 7,500
220.2	10	FT	DRAINAGE STRUCTURE REBUILT	\$175.00	\$ 1,750
220.3	10	EA	DRAINAGE STRUCTURE CHANGE IN TYPE	\$750.00	\$ 7,500
220.5	4	EA	DRAINAGE STRUCTURE REMODELED	\$475.00	\$ 1,900
220.6	10	FT	SANITARY STRUCTURE REBUILT	\$180.00	\$ 1,800
220.7	30	EA	SANITARY STRUCTURE ADJUSTED	\$275.00	\$ 8,250
220.8	10	EA	SANITARY STRUCTURE REMODELED	\$500.00	\$ 5,000
222.3	80	EA	FRAME & GRATE (OR COVER) MUNICIPAL STANDARD	\$580.00	\$ 46,400
223.	20	EA	FRAME & GRATE (OR COVER) REMOVED AND RESET	\$265.00	\$ 5,300
223.1	10	EA	FRAME & GRATE (OR COVER) REMOVED AND STACKED	\$60.00	\$ 600
227.4	50	SF	MASONRY PLUG	\$70.00	\$ 3,500
241.12	1,150	FT	12 INCH REINFORCED CONCRETE PIPE	\$72.00	\$ 82,800
241.15	610	FT	15 INCH REINFORCED CONCRETE PIPE	\$81.00	\$ 49,410
241.18	1,300	FT	18 INCH REINFORCED CONCRETE PIPE	\$85.00	\$ 110,500
241.24	850	FT	24 INCH REINFORCED CONCRETE PIPE	\$95.00	\$ 80,750
241.30	200	FT	30 INCH REINFORCED CONCRETE PIPE	\$115.00	\$ 23,000
376.	2	EA	HYDRANT	\$4,500.00	\$ 9,000
376.2	9	EA	HYDRANT - REMOVED AND RESET	\$3,500.00	\$ 31,500
402.	1,150	CY	DENSE GRADED CRUSHED STONE FOR SUB-BASE	\$65.00	\$ 74,750
415.	3,000	SY	PAVEMENT MICOMILLING	\$7.00	\$ 21,000
431.1	25	CY	HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE	\$250.00	\$ 6,250
440.	55,250	LB	CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL	\$0.50	\$ 27,625
443.	75	MGL	WATER FOR ROADWAY DUST CONTROL	\$60.00	\$ 4,500
450.90	11,650	TON	CONTRACTOR QUALITY CONTROL	\$5.00	\$ 58,250
452.	4,400	GAL	ASPHALT EMULSION FOR TACK COAT	\$8.00	\$ 35,200
455.23	3,500	TON	SUPERPAVE SURFACE COURSE 12.5-(SSC-12.5)	\$100.00	\$ 350,000
455.32	3,500	TON	SUPERPAVE INTERMEDIATE COURSE-19 (SIC-19)	\$80.00	\$ 280,000
455.42	4,650	TON	SUPERPAVE BASE COURSE - 37.5 (SBC-37.5)	\$85.00	\$ 395,250
472.	350	TON	HOT MIX ASPHALT FOR MISCELLANEOUS WORK	\$165.00	\$ 57,750
482.5	3,000	FT	SAWING PAVEMENT AND SIDEWALK	\$8.00	\$ 24,000
504.	5,650	FT	GRANITE CURB TYPE VA4 - STRAIGHT	\$37.00	\$ 209,050
504.1	1,000	FT	GRANITE CURB TYPE VA4 - CURVED	\$41.00	\$ 41,000
509.	584	FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - STRAIGHT	\$40.00	\$ 23,360
509.1	490	FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - CURVED	\$45.00	\$ 22,050
514.	26	EA	GRANITE CURB INLET - STRAIGHT	\$300.00	\$ 7,800
515.	26	EA	GRANITE CURB INLET - CURVED	\$400.00	\$ 10,400

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580.	2,060	FT	CURB REMOVED AND RESET	\$20.00	\$ 41,200
670.	300	FT	FENCE REMOVED AND RESET	\$26.00	\$ 7,800
692.	48	FT	BALANCE STONE WALL	\$200.00	\$ 9,600
701.	5,000	SY	CEMENT CONCRETE SIDEWALK	\$40.00	\$ 200,000
701.1	2,200	SY	CEMENT CONCRETE SIDEWALK AT DRIVEWAYS	\$45.00	\$ 99,000
701.2	550	SY	CEMENT CONCRETE WHEELCHAIR RAMPS	\$75.00	\$ 41,250
702.	5	TON	HOT MIX ASPHALT WALK SURFACE	\$155.00	\$ 775
703.	300	TON	HOT MIX ASPHALT DRIVEWAY	\$155.00	\$ 46,500
705.	5	SY	FLAGSTONE WALK	\$150.00	\$ 750
706.	15	SY	BRICK WALK	\$150.00	\$ 2,250
706.1	40	SY	BRICK WALK REMOVED AND RELAID	\$200.00	\$ 8,000
707.15	11	EA	PARK BENCH REMOVED AND RESET	\$600.00	\$ 6,600
707.21	4	EA	REMOVE AND RESET TRASH RECEPTICLE	\$600.00	\$ 2,400
740.	18	MO	ENGINEERS FIELD OFFICE AND EQUIPMENT - TYPE A	\$2,300.00	\$ 41,400
748.	1	LS	MOBILIZATION	\$200,000.00	\$ 200,000
751.	500	CY	LOAM BORROW	\$42.00	\$ 21,000
756.	1	LS	NPDES STORMWATER POLLUTION PREVENTION PLAN	\$4,500.00	\$ 4,500
765.	5,000	SY	SEEDING	\$2.00	\$ 10,000
772.058	11	EA	ABORVITAE - EMERALD GREEN 4-5 FEET	\$250.00	\$ 2,750
775.028	16	EA	JAPANESE ELM - 'VILLAGE GREEN' 2-2.5 INCH CALIPER	\$700.00	\$ 11,200
776.551	7	EA	MAPLE - RED - 'OCTOBER GLORY' 3-3.5 INCH CALIPER	\$700.00	\$ 4,900
776.561	10	EA	MAPLE - RED - 'RED SUNSET' 3-3.5 INCH CALIPER	\$700.00	\$ 7,000
777.053	4	EA	OAK - 'GREEN PILLAR' 3.5-4 INCH CALIPER	\$900.00	\$ 3,600
782.427	5	EA	PEAR - CALLERY - 'CHANTICLEER' 2-2.5 INCH CALIPER	\$600.00	\$ 3,000
783.059	7	EA	SHAD TREE - 'AUTUMN BRILLIANCE' 2-2.5 INCH CALIPER	\$700.00	\$ 4,900
783.442	1	EA	TULIP TREE 2.5-3 INCH CALIPER	\$500.00	\$ 500
783.657	5	EA	SWEETGAME - 'LIQUID AMBER' 2.5-3 INCH CALIPER	\$700.00	\$ 3,500
787.092	12	EA	RHODO - 'MOLLY FORDHAM' 24-30 INCH	\$600.00	\$ 7,200
787.441	11	EA	YEW - 'GREENWAVE' 18-29 INCH	\$500.00	\$ 5,500
792.445	15	EA	LILAC TREE - 'IVORY SILK' 2.5-3.0 INCH CALIPER	\$700.00	\$ 10,500
804.3	300	FT	3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC - (UL)	\$25.00	\$ 7,500
815.1	1	LS	TRAFFIC CONTROL SIGNAL LOCATION 1	\$153,000.00	\$ 153,000
815.2	1	LS	TRAFFIC CONTROL SIGNAL LOCATION 2	\$100,000.00	\$ 100,000
832.	1,100	SF	WARNING-REGULATORY AND ROUTE MARKER - ALUM. PANEL (TYPE A)	\$10.00	\$ 11,000
847.1	200	EA	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY-STEEL	\$100.00	\$ 20,000
851.1	540	DAY	TRAFFIC CONES FOR TRAFFIC MANAGEMENT	\$60.00	\$ 32,400
852.	1,000	SF	SAFETY SIGNING FOR CONSTRUCTION OPERATIONS	\$15.00	\$ 15,000
853.1	10	EA	PORTABLE BREAKAWAY BARRICADE TYPE III	\$120.00	\$ 1,200
854.014	20,000	FT	TEMPORARY PAVEMENT MARKING 4 IN.(PAINTED)	\$0.25	\$ 5,000
854.034	20,000	FT	TEMPORARY PAVEMENT MARKING 4 IN. (REMOVABLE TAPE)	\$1.00	\$ 20,000
854.1	6,700	SF	PAVEMENT MARKING REMOVAL - PAINT	\$1.00	\$ 6,700
854.3	6,700	SF	PAVEMENT MARKING REMOVAL - TAPE	\$0.50	\$ 3,350
856.	1,100	UD	SPECIAL LIGHTING UNIT (FLASHING ARROW)	\$8.00	\$ 8,800
856.12	1,100	UD	PORTABLE CHANGEABLE MESSAGE SIGN	\$25.00	\$ 27,500
859.	17,000	DD	REFLECTORIZED DRUM	\$0.25	\$ 4,250
864.04	800	SF	PAVEMENT ARROWS AND LEGENDS REFL. WHITE (THERMOPLASTIC)	\$5.00	\$ 4,000
865.1	2,600	SF	CROSS WALKS AND STOP LINES REFL. WHITE (THERMOPLASTIC)	\$2.00	\$ 5,200
866.06	9,750	FT	6 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$0.75	\$ 7,313
867.06	9,400	FT	6 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	\$0.75	\$ 7,050
868.	300	SF	GORE LINES - REFLECTORIZED WHITE (THERMOPLASTIC)	\$2.00	\$ 600
869.	100	SF	GORE LINES - REFLECTORIZED YELLOW (THERMOPLASTIC)	\$2.00	\$ 200
995.021	1	LS	CULVERT STRUCTURE, CULVERT NO. 1	\$90,000.00	\$ 90,000

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	SUBTOTAL	\$4,699,223
	TOTAL	\$4,699,223
	15% CONTINGENCY	\$ 704,883
	TOTAL CONSTRUCTION COST	\$5,404,106
	TOTAL	5,404,106

ASSUMPTIONS

1. Right-of-Way takings and easements are not included in this estimate
2. Utility Pole, gas main, and other private utility relocations are performed by others and not included in this estimate

TOWN OF HOPKINTON - MAIN STREET RECONSTRUCTION
25% NON-PARTICIPATING COST ESTIMATE 10/12/2012

Item No.	Qty.	Unit	Item Description	Unit Price	Amount
486.2	750	SY	STAMPED AND COLORED CONCRETE PAVEMENT	\$200.00	\$ 150,000
706.01	320	SY	BRICK FOR SIDEWALKS	\$135.00	\$ 43,200
706.11	800	SY	BRICK FOR CROSSWALKS	\$250.00	\$ 200,000
707.1	4	EA	PARK BENCH	\$1,600.00	\$ 6,400
707.2	2	EA	TRASH RECEPTICLE	\$1,200.00	\$ 2,400
707.9	4	EA	BICYCLE RACK	\$1,500.00	\$ 6,000
709.	9	EA	PLANTER	\$500.00	\$ 4,500
804.31	4000	FT	3 INCH ELECTRICAL CONDUIT FOR LIGHTING TYPE NM - PLASTIC - (UL)	\$25.00	\$ 100,000
811.32	52	EA	HIGHWAY LIGHTING PULL BOX	\$800.00	\$ 41,600
823.01	52	EA	HIGHWAY LIGHTING POLE AND LUMINAIRE	\$10,000.00	\$ 520,000
823.02	1	EA	HIGHWAY LIGHTING CONTROLLER	\$10,000.00	\$ 10,000
SUBTOTAL					\$1,084,100
TOTAL					\$1,084,100
15% CONTINGENCY					\$ 162,615
TOTAL CONSTRUCTION COST					\$1,246,715
TOTAL					1,246,715

TOTAL PARTICIPATING CONSTRUCTION COST	\$5,404,106
TOTAL NON-PARTICIPATING CONSTRUCTION COST	\$1,246,715
TOTAL COST (NOTE 3)	\$6,650,821

ASSUMPTIONS

1. Right-of-Way takings and easements are not included in this estimate
2. Utility Pole, gas main, and other private utility relocations are performed by others and not included in this estimate
3. Does not include MassDOT Contract Admin. (+25%). Will be added for MassDOT 25% submission.