

***Town of Weymouth
Massachusetts***

Robert L. Hedlund
Mayor

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Weymouth, MA 02189



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MEMORANDUM

18 097

TO: TOWN COUNCIL
FROM: ROBERT L. HEDLUND, MAYOR *TH*
RE: WASHINGTON AND BROAD STREETS INTERSECTION IMPROVEMENTS
DATE: MAY 31, 2018

I submit the following measure to Town Council for its consideration and action:

“That the Town of Weymouth transfer the sum of \$52,870.43 from Fund 4903, Sale of Town Owned Property and the sum of \$157,129.57 from Free Cash for the purpose of funding costs associated with intersection improvements at Washington Street and Broad Street in Weymouth.”

This measure requires a legal notice and public hearing.

At the time of this submittal the balance in Fund 4903 is \$52,870.43.

At the time of this submittal the balance in Free Cash is \$7,437,969.00, with \$198,524 available should all other pending measures be approved.

Referral Dte. _____ PH Dte. _____
Comm. Referral _____ TC Vote _____
Comm. Vote _____ TC Vote Dte. _____
Comm. Vote Dte. _____

Weymouth
Town Council

2018 MAY 31 AM 11:12

RECEIVED

**WEYMOUTH BROAD/WASHINGTON STREETS
TOWN OF WEYMOUTH
ENGINEER'S ESTIMATE - PRELIMINARY DESIGN**

Prepared by:



GREEN INTERNATIONAL AFFILIATES, INC.
Civil and Structural Engineers

Date: 12/1/2017

Green Project No: 17064.015

ITEM NO.	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE	AMOUNT
120.1	100.00	CY	UNCLASSIFIED EXCAVATION	\$30.00	\$3,000.00
151.	90	CY	GRAVEL BORROW	\$30.00	\$2,700.00
153.	50	CY	CONTROLLED DENSITY FILL - EXCAVATABLE	\$160.00	\$8,000.00
170.	310	SY	FINE GRADING AND COMPACTING	\$5.00	\$1,550.00
220.	3	EA	DRAINAGE STRUCTURE ADJUSTED	\$400.00	\$1,200.00
460.	3	TON	HOT MIX ASPHALT	\$150.00	\$375.00
464.	1	GAL	ASPHALT EMULSION FOR TACK COAT	\$10.00	\$10.00
472.	14	TON	HOT MIX ASPHALT FOR MISCELLANEOUS WORK	\$250.00	\$3,500.00
482.3	500	FT	SAWCUTTING ASPHALT PAVEMENT	\$3.00	\$1,500.00
506.	95	FT	GRANITE CURB TYPE VB - STRAIGHT	\$35.00	\$3,325.00
506.1	75	FT	GRANITE CURB TYPE VB - CURVED	\$50.00	\$3,750.00
509.	90	FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - STRAIGHT	\$45.00	\$4,050.00
509.1	165	FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - CURVED	\$55.00	\$9,075.00
594.	300	FT	CURB REMOVED AND DISCARDED	\$6.00	\$1,800.00
697.1	3	EA	SILT SACK	\$200.00	\$600.00
701.	100	SY	CEMENT CONCRETE SIDEWALK	\$60.00	\$6,000.00
701.2	210	SY	CEMENT CONCRETE WHEELCHAIR RAMP	\$80.00	\$16,800.00
751.	5	CY	LOAM BORROW	\$50.00	\$250.00
765.	40	SY	SEEDING	\$2.00	\$80.00
804.3	350	FT	3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL)	\$35.00	\$12,250.00
811.3	5	EA	PULL BOX 8 X 23 INCHES - SD2.030	\$725.00	\$3,625.00
815.1	1	LS	TRAFFIC CONTROL SIGNAL LOCATION NO. 1	\$185,000.00	\$185,000.00
816.8	1	LS	TRAFFIC CONTROL SIGNAL REMOVED AND STACKED	\$4,500.00	\$4,500.00
832.	86	SF	WARNING-REGULATORY AND ROUTE MARKER - ALUM. PANEL (TYPE A)	\$15.00	\$1,290.00
847.1	10	EA	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL	\$120.00	\$1,200.00
852.	280	SF	SAFETY SIGNING FOR TRAFFIC MANAGEMENT	\$20.00	\$5,600.00
854.1	720	SF	PAVEMENT MARKING REMOVAL	\$2.00	\$1,440.00
859.	2200	DAY	REFLECTORIZED DRUM	\$1.00	\$2,200.00
864.04	120	SF	PAVEMENT ARROWS AND LEGENDS REFL. WHITE (THERMOPLASTIC)	\$6.00	\$720.00
866.106	1600	FT	6 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$1.00	\$1,600.00
866.112	835	FT	12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$2.50	\$2,087.50
867.04	1100	FT	4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	\$1.00	\$1,100.00
874.1	3	EA	STREET SIGN REMOVED AND RESET	\$116.00	\$348.00
874.2	1	EA	TRAFFIC SIGN REMOVED AND RESET	\$100.00	\$100.00
874.41	12	EA	TRAFFIC SIGN REMOVED AND DISCARDED	\$26.00	\$312.00
999.001	720	MH	POLICE DETAIL	\$50.00	\$36,000.00

10% Mobilization \$32,500.00

SUBTOTAL: \$359,437.50

15% Contingency \$53,916.00

TOTAL: \$414,000.00

Washington and Broad Streets Intersection Design Cost

The design cost has increased from \$54,000. to approximately \$59,500. due to soil boring and sidewalk grading issues (the soil boring cost is not finalized).

COMPENSATION

The fee for the design related Scope of Services described in Phase 1 above is a Lump Sum fee including labor, overhead, direct expenses and profit of \$46,800. A breakdown including construction related services are shown in the following table.

Phase/Task	Amount	Type	Scheduled
Survey/Research/Base Plan	\$10,000	Lump sum	4 weeks
Engineering Design	\$37,300	Lump sum	12-16 weeks
Soil Borings	\$5,000	Lump sum	n/a
Construction Services	\$7,200	Billed at hourly rate	As needed

TOTAL PROJECT COSTS AND IDENTIFIED FUNDING SOURCES

Expenses:

Green Int'l. Design Contract:	\$54,000
Construction Cost Estimate:	\$414,000
TOTAL:	\$468,000

Sources of Revenue:

Legislature Grant:	\$200,000
CDBG:	\$28,000
Developer Mitigation:	\$30,000
Subtotal:	\$258,000

Fund Transfer Measure:	\$210,000
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