

**Traffic Signal and Striping Items
Approximate Construction Cost
Use as a General Guide Only**

11/23/2009

<u>ITEM #</u>	<u>DESCRIPTION</u>	<u>Unit Price</u>	<u>UM</u>
	Crosswalk (125 LF of 12" white striping)	\$375.00	EA
	Crosswalk Lighting	\$10,000.00	Lump Sum
201.0409	Remove & Dispose Flexible Pavement	\$10.00	SY
201.0610	Remove & Dispose Traffic Signs	\$100.00	EA
401.0200	Bituminous Surface Course Type I-1	\$80.00	TN
905.0250	Concrete Wheelchair Ramp Curbing	\$150.00	EA
906.0120	Granite Wheelchair Ramp Curbing	\$1,000.00	EA
919.0101	Test Pits for locating utilities	\$300.00	EA
922.0100	Temporary Construction Signs	\$25.00	SF
923.0200	Flourescent Traffic Cones	\$20.00	EA
924.0113	Advance Warning Arrow Panel	\$200.00	PDAY
932.0100	Cutting & Matching Asphalt	\$5.00	LF
934.1000	Survey Party	\$800.00	PDAY
935.0500	Removing Bit. Surface - Cold Planing	\$5.00	SY
936.0110	Mobilization - about 10% of total contract	varies	10%
937.0200	Maintenance & Movement of Traffic Prot.	varies	5%
T04.5001	6 AWG Single Conductor Cable 600 V	\$2.00	LF
T04.5302	14 AWG 2 Conductor Twisted Cable	\$1.00	LF
T04.5303	14 AWG 3 Conductor Cable	\$1.30	LF
T04.5305	14 AWG 5 Conductor Cable	\$1.00	LF
T05.0100	Precast Type A Handhole	\$1,000.00	EA
T06.1020	2 inch Rigid Steel Conduit Underground	\$30.00	LF
T06.2020	2 inch Rigid Steel Conduit - Overhead	\$12.00	LF
T06.3020	2 inch Rigid Steel Conduit - Under pvmt.	\$60.00	LF
T06.6020	2 inch Polyvinyl chloride plastic conduit	\$8.00	LF
T11.1025	*25 foot gal steel mast arm signal post	\$8,000.00	EA
T11.1030	*30 foot gal steel mast arm signal post	\$8,000.00	EA
T11.1035	*35 foot gal steel mast arm signal post	\$9,000.00	EA
T11.1040	*40 foot gal steel mast arm signal post	\$10,000.00	EA
T11.1050	*50 foot gal steel mast arm signal post	\$11,000.00	EA
T11.2008	*Traffic Signal 8' standard pedestal pole	\$1,500.00	EA
T12.0018	Actuated Controller TS-2, Type 1 with 8 phase assembly ground mounted includes foundation & cabinet	\$15,000.00	EA
T12.9150	Meter Socket w/ manual bypass	\$230.00	EA
T13.1000	Traffic Detectors - Loop	\$10.00	LF
T14.1004	Traffic Detector Relay Loop 4 channel	\$380.00	EA

**State of Rhode Island
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Contracting
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T14.3513	1 Way 3 Section Mast Arm Mounted Signal Head 12 inch	\$1,000.00	EA
T14.3611	1 Way 1 Section Bracket Mounted Signal Head 12 inch	\$500.00	EA
T14.9902	1 Way Pedestal Mounted L.E.D. Pedestrian Signal Head with countdown Timer - 12 inch	\$1,000.00	EA
T14.9903	1 Way Bracket Mounted L.E.D. Pedestrian Signal Head with countdown Timer - 12 inch	\$1,000.00	EA
T14.9904	2 Way Bracket Mounted L.E.D. Pedestrian Signal Head with countdown Timer - 12 inch	\$1,800.00	EA
T14.9905	2 Way Pedestal Mounted L.E.D. Pedestrian Signal Head with countdown Timer - 12 inch	\$1,800.00	EA
T15.0100	Directional, Regulatory Warning Signs	\$25.00	SF
T20.2006	6" White Epoxy Resin Pavement Marking	\$0.50	LF
T20.2012	12" White Epoxy Resin Pvmt Marking	\$3.00	LF
T20.2014	4" Yellow Epoxy Resin Pvmt Marking	\$0.50	LF
T20.2012	12" White Epoxy Resin Pvmt Markings	\$2.50	LF
T20.2014	4" Yellow Epoxy Resin Pvmt Markings	\$0.25	LF
T20.9902	Bike Xing Pavement Markings	\$450.00	EA

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**REPLACEMENT OF EXISTING SIDEWALKS
APPROXIMATE COST
Use as a General Guide Only**

02/07/07

<u>ITEM #</u>	<u>DESCRIPTION</u>	<u>Unit Price</u>	<u>Quantity</u>	<u>UM</u>	<u>COST</u>
201.0402	Remove & Dispose Concrete Curb	\$3.50	500.00	LF	\$1,750.00
201.0403	Remove & Dispose Sidewalks	\$5.00	278.00	SY	\$1,390.00
202.0100	Earth Excavation	\$10.00	31.00	CY	\$310.00
202.0800	Gravel Borrow	\$15.00	31.00	CY	\$465.00
204.0100	Trimming & Fine Grading	\$4.00	278.00	SY	\$1,112.00
601.0501	Class B(AE) Portland Cement Concrete	\$100.00	18.50	CY	\$1,850.00
905.0110	Portland Cement Sidewalk Std. 43.1.0	\$250.00	31.00	CY	\$7,750.00
906.0210	Cement Concrete Curb Std. 7.1.0	\$23.00	500.00	LF	<u>\$11,500.00</u>
	Replace Existing Sidewalk	SUBTOTAL		A	\$26,127.00
	Miscellaneous Costs & Contingencies		ADD 25%	B	\$6,531.75
	Police & Traffic Control		ADD 10%	C	\$2,612.70
	Round Off			D	<u>\$228.55</u>
TOTAL COSTS (A+B+C+D) REPLACE SIDEWALK 500 LF					\$35,500.00
TOTAL COST - REPLACE SIDEWALK SIDEWALK 2500 LF					\$177,500.00
TOTAL COST - REPLACE SIDEWALK SIDEWALK 1 MILE					\$374,880.00

State of Rhode Island

These costs do not include any extras such as Right-of-way, drainage or utility work.

This is only intended for use as a General Guide. Page 1 of 2

**INSTALLATION OF
NEW SIDEWALKS
APPROXIMATE COST- INCLUDES DRAINAGE INSTALLATION
Use as a General Guide Only**

02/07/07

<u>ITEM #</u>	<u>DESCRIPTION</u>	<u>Unit Price</u>	<u>Quantity</u>	<u>UM</u>	<u>COST</u>
202.0100	Earth Excavation	\$10.00	100.00	CY	\$1,000.00
202.0800	Gravel Borrow	\$15.00	31.00	CY	\$465.00
204.0100	Trimming & Fine Grading	\$4.00	278.00	SY	\$1,112.00
410.1000	Temporary Patching Material - Trenches	\$100.00	32.00	TON	\$3,200.00
601.0501	Class B(AE) Portland Cement Concrete	\$100.00	18.50	CY	\$1,850.00
701.9901	Ductile Iron Pipe 12" Class 52	\$40.00	250.00	LF	\$10,000.00
702.0705	Catch Basin w/ Gutter Inlet Std.3.4.1	\$1,800.00	2.00	EA	\$3,600.00
702.0630	Manhole - 4' diameter Std. 4.2.0	\$1,800.00	1.00	EA	\$1,800.00
702.0517	Frame & Grate Std. 6.3.2	\$500.00	2.00	EA	\$1,000.00
702.0511	Frame & Cover Std. 6.1.0	\$400.00	1.00		\$400.00
905.0110	Portland Cement Sidewalk Std. 43.1.0	\$250.00	31.00	CY	\$7,750.00
906.0210	Cement Concrete Curb Std. 7.1.0	\$23.00	500.00	LF	\$11,500.00
	Install New Sidewalks & drainage		SUBTOTAL	A	\$43,677.00
	Miscellaneous Costs & Contingencies		ADD 25%	B	\$10,919.25
	Police & Traffic Control		ADD 10%	C	\$4,367.70
	Round off			D	\$1,036.05
TOTAL COSTS (A+B+C+D) NEW SIDEWALK 500 LF					\$60,000.00
TOTAL COST - INSTALL NEW SIDEWALK 2500 LF					\$300,000.00
TOTAL COST - INSTALL NEW SIDEWALK 1 MILE					\$633,600.00

State of Rhode Island

These costs do not include any extras such as Right-of-way and utility relocations.

**INSTALLATION OF
NEW BIKEPATH / MULTI-USE PATH
1/2 MILE IN LENGTH, 10 FOOT PAVED WIDTH
Approximate Construction Cost
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<u>ITEM #</u>	<u>DESCRIPTION</u>	<u>Unit Price</u>	<u>Quantity</u>	<u>UM</u>	<u>COST</u>
201.0321	Clearing & Grubbing	\$20.00	22.00	SY	\$440.00
202.0100	Earth Excavation	\$10.00	1300.00	CY	\$13,000.00
202.0800	Gravel Borrow - 6" depth	\$15.00	782.00	CY	\$11,730.00
204.0100	Trimming & Fine Grading	\$2.00	4700.00	SY	\$9,400.00
206.0201	Baled Hay Erosion Checks	\$2.00	5280.00	LF	\$10,560.00
206.0208	Removal of Baled Hay	\$2.00	5280.00	LF	\$10,560.00
401.0300	Bituminous Surface Course Type I-1 (4")	\$75.00	675.00	TN	\$50,625.00
403.0300	Asphalt Emulsion Tack Coat	\$0.50	2933.00	SY	\$1,466.50
701.0512	Reinforced Concrete Pipe 12"	\$45.00	250.00	LF	\$11,250.00
702.0620	Precast Catch Basin 4' diameter	\$2,500.00	1.00	EA	\$2,500.00
903.9901	Cedar Post and Rail Fence	\$10.00	1000.00	LF	\$10,000.00
922.0100	Temporary Construction Signs	\$18.00	48.00	SF	\$864.00
934.1000	Survey Party	\$800.00	20.00	PDAY	\$16,000.00
L01.0102	Loam Borrow 4" Deep on shoulders	\$3.00	1760.00	SY	\$5,280.00
L02.0101	General Highway Seeding	\$1.50	1760.00	SY	\$2,640.00
L06.9901	Landscape Plantings	LUMP	SUM		\$10,000.00
L11.0102	Tree Plant Protection Devices	\$100.00	11.00	EA	\$1,100.00
T15.0100	Directional, Regulatory Warning Signs	\$22.00	124.00	SF	\$2,728.00
T20.2012	12" White Epoxy Resin Pvmt Markings	\$2.50	200.00	LF	\$500.00
T20.2014	4" Yellow Epoxy Resin Pvmt Markings	\$0.25	660.00	LF	\$165.00
T20.9902	Bike Xing Pavement Markings	\$450.00	4.00	EA	\$1,800.00
	Install New Bikepath		SUBTOTAL	A	\$172,608.50
	Miscellaneous Costs & Contingencies		ADD 30%	B	\$51,782.55
	Round off			C	<u>\$608.95</u>
TOTAL COSTS (A+B+C)		NEW	BIKEPATH 2,640 LF		\$225,000.00

State of Rhode Island

These costs do not include any extras such as Right-of-way and utility relocations, and specific site amenities.

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