

Preliminary Construction Cost Estimate

August 11, 2009

**Proposed Wachusett Station
Parking Facility
Fitchburg, MA**

**Unit Prices based on MassHighway Weighted Average Bid Prices (8/08 to 8/09) English Edition
5% inflation based on assumed construction start of Spring 2011**

Parking Facility

Item No.	Quantity	Unit	Item Description	Unit Price	5% inflation	Amount
101	3.72	Acre	Clearing and Grubbing	\$ 13,500.00	\$ 14,175.00	\$ 52,731.00
120	12,540	CY	Earth Excavation (south of 5th Mass. Tpk only)	\$ 25.00	\$ 26.25	\$ 329,175.00
151	4,292	CY	Gravel Borrow - Type E	\$ 30.00	\$ 31.50	\$ 135,198.00
402	890	CY	Dense Graded Crushed Stone	\$ 50.00	\$ 52.50	\$ 46,725.00
420	2,942	T	Hot Mix Asphalt Base Course	\$ 84.00	\$ 88.20	\$ 259,484.40
460	3,049	T	Hot Mix Asphalt	\$ 100.00	\$ 105.00	\$ 320,145.00
860.04	6,150	LF	4 IN. Reflectorized White Line (Painted)	\$ 1.00	\$ 1.05	\$ 6,457.50
n/a	40,000	CY	Rock Excavation	\$ 50.00	\$ 52.50	\$ 2,100,000.00
n/a	18,400	SF	Retaining Wall	\$ 70.00	\$ 73.50	\$ 1,352,400.00
n/a	2	EA	Protection of High Tension Wire Towers	\$ 50,000.00	\$ 52,500.00	\$ 105,000.00

Parking Facility Total \$ 4,707,315.90

Cul-de-Sac (on 5th Mass. Turnpike, closing road at parking facility)

Item No.	Quantity	Unit	Item Description	Unit Price	5% inflation	Amount
101	0.13	Acre	Clearing and Grubbing	\$ 13,500.00	\$ 14,175.00	\$ 1,842.75
120	485	CY	Earth Excavation	\$ 27.00	\$ 28.35	\$ 13,749.75
151	242	CY	Gravel Borrow - Type E	\$ 35.00	\$ 36.75	\$ 8,893.50
420	132	T	Hot Mix Asphalt Base Course	\$ 120.00	\$ 126.00	\$ 16,632.00
460	132	T	Hot Mix Asphalt	\$ 116.00	\$ 121.80	\$ 16,077.60
506	480	LF	Granite Curb Type VB - Curved	\$ 40.00	\$ 42.00	\$ 20,160.00
751	70	CY	Loam Borrow	\$ 44.00	\$ 46.20	\$ 3,234.00
765	211	SY	Seeding	\$ 2.00	\$ 2.10	\$ 443.10

Cul-de-Sac Total \$ 81,032.70

Items Previously Calculated

	Quantity	Unit	Item Description	Unit Price	5% inflation	Amount
-	333	SY	Parking Area Driveway	\$ 50.00	\$ 52.50	\$ 17,482.50
-	1,500	SF	Sidewalks	\$ 14.00	\$ 14.70	\$ 22,050.00
-	1	LS	Parking Lot Lighting	\$ 100,000.00	\$ 105,000.00	\$ 105,000.00
-	1	LS	Drainage for Surface Parking	\$ 40,000.00	\$ 42,000.00	\$ 42,000.00

Previously Calculated Total \$ 186,532.50

TOTAL \$ 4,974,881.10

Contingency (40% at 0% Design) \$ 1,989,952.44

Construction Budget \$ 6,964,833.54

Soft Costs (30% of Parking Facility Construction Costs) \$ 2,089,450.06

Estimated Project Cost \$ 9,054,283.60