

04-189

Capital Consultants
Lansing, MI
(517)371-1200DATE: 9/23/04
BY: DAF/SAD

Updated: 9/14/2009

Table 2 ENGINEER'S ESTIMATE OF PROBABLE PROJECT COST					
Item No.	Item Description	Estimated Quantity	Unit	Unit Price	Amount
Sanitary and Storm Sewer					
1	Sanitary Sewer, SDR-26 PVC, 8 inch (0'-16')	2000	LF	\$55.00	\$110,000
2	6" Sanitary Service Lead	1200	LF	\$35.00	\$42,000
3	Sanitary Manhole, 48 inch dia. (w/ Casting)	8	EA	\$2,500.00	\$20,000
4	Drain Crossing Enclosure, 96 inch	360	LF	\$450.00	\$162,000
5	Storm Sewer, 12 to 24 inch	4900	LF	\$50.00	\$245,000
6	Storm Drainage Structures	60	EA	\$1,800.00	\$108,000
Paving					
7	Station Grading	49	STA	\$2,000.00	\$98,000
8	Sub Base Underdrains, 6 inch	9800	LF	\$7.00	\$68,600
9	Sand Subbase (12")	7600	CY	\$8.00	\$60,800
10	Aggregate Base (6")	3300	CY	\$35.00	\$115,500
11	HMA Base (5-1/2")	6300	TON	\$45.00	\$283,500
12	HMA Leveling (2")	2300	TON	\$45.00	\$103,500
13	HMA Wearing (1-1/2")	1700	TON	\$45.00	\$76,500
14	Concrete Curb & Gutter, Det F4	9800	LF	\$15.00	\$147,000
Removals					
15	Existing Building Demolition	1	LS	\$30,000.00	\$30,000
16	Remove Poor Subgrade	4000	CY	\$5.00	\$20,000
17	Remove Bituminous Surface	5000	SY	\$3.00	\$15,000
Surface Restoration					
18	Concrete Sidewalk, 4 inch	49000	SF	\$3.00	\$147,000
19	Restoration	49	STA	\$1,500.00	\$73,500
Miscellaneous and Contingency Items					
20	Soil Erosion Control	1	LS	\$9,009.00	\$9,009
21	Holt Road Traffic Signal	1	LS	\$100,000.00	\$100,000
22	Guardrail	1000	LF	\$21.00	\$21,000
23	Reinforced Embankment Earth Fill	4000	CY	\$25.00	\$100,000
24	Subgrade Fill	8000	CY	\$15.00	\$120,000
25	Wetland Mitigation	1	LS	\$20,000.00	\$20,000
26	Traffic Control	1	LS	\$10,000.00	\$10,000
27	Audio-Visual Tape	1	LS	\$3,000.00	\$3,000
28	Mobilization & General Conditions	1	LS	\$50,000.00	\$50,000
29	Miscellaneous Items	1	LS	\$32,000.00	\$32,000

Construction:	\$2,390,909
Construction Contingency (10%):	\$239,091
Design	\$370,000
Total Construction:	\$3,000,000

Environmental and R/W	
Soil Borings:	\$20,000
R/W & Property Acquisition	\$2,090,000
Wetlands Investigation/Permits:	\$20,000
Environmental Investigations:	\$20,000
Subtotal:	\$2,150,000

Project Total:	\$5,150,000
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