



**OPINION OF PROBABLE
CONSTRUCTION COST**

ORCHARD, HILTZ & McCLIMENT, INC.
34000 Plymouth Road, Livonia, Michigan, 48150

Telephone: (734) 522-6711 Fax: (734) 522-6427

CLIENT: LSL Planning

DATE: 12/16/2016

PROJECT: Auburn Road Corridor Study

PROJECT NO.: 0902-16-0010

LOCATION: Culbertson Road to Dequindre Road

ESTIMATOR: ES

CHECKED BY: ML/SW

BASIS FOR ESTIMATE: CONCEPTUAL PRELIMINARY FINAL SUBMITTAL PURPOSES

Item No.	Item Description	Quantity	Unit	Unit Amount	Total
	Mobilization	1	LS	\$200,000	\$200,000
	Curb & Gutter, Rem	2100	Ft	\$8	\$16,800
	Sidewalk, Rem	3200	Syd	\$7	\$22,400
	Pavt, Rem	22000	Syd	\$7	\$154,000
	Earth Excavation	8000	Cyd	\$10	\$80,000
	Subgrade Undercutting	1000	Cyd	\$20	\$20,000
	Underdrain	5400	Ft	\$10	\$54,000
	Storm Sewer	3400	Ft	\$60	\$204,000
	Utility Conflicts/Hydrant Relocations	1	LS	\$60,000	\$60,000
	Catchbasin	34	Ea	\$3,500	\$119,000
	Manhole	5	Ea	\$6,000	\$30,000
	Curb & Gutter	7400	Ft	\$20	\$148,000
	Sand Subbase, CI II (Sidewalk)	1300	Cyd	\$15	\$19,500
	Sidewalk	65500	Sft	\$6	\$393,000
	Aggregate Base, 6 inch (Parking)	2800	Syd	\$10	\$28,000
	Aggregate Base, 8 inch	13000	Syd	\$12	\$156,000
	HMA, 6 inch (Parking)	1000	Ton	\$80	\$80,000
	HMA, 9 inch	7000	Ton	\$80	\$560,000
	Soil Erosion & Sedimentation Control	1	LS	\$5,000	\$5,000
	Maintenance of Traffic	1	LS	\$35,000	\$35,000
	Seeding and Restoration	1	LS	\$15,000	\$15,000
	Signage and Pavement Markings	1	LS	\$20,000	\$20,000
				Subtotal	\$2,419,700
				Contingencies	20%
				Total	\$2,904,000

ASSUMPTIONS:

BASED ON 2016 UNIT PRICING
ROADWAY CROSS-SECTION - 9" HMA OVER 8" AGG. BASE
PARKING CROSS-SECTION - 6" HMA OVER 6" AGG. BASE
LANDSCAPING NOT INCLUDED
WORK IN ALLEYS NOT INCLUDED
STREET LIGHTING NOT INCLUDED
PERMANENT TRAFFIC SIGNALS NOT INCLUDED