

Engineer's Estimate (CS Davidson) July 2021

Pershing Ave (North Beaver Street to Philadelphia Street)				
<u>Item</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Cost</u>
Administrative items				
<i>Mobilization</i>	Ea	1	\$69,262	\$69,262
<i>Traffic control</i>	Ea	1	\$32,982	\$32,982
Site preparation				
<i>Bulk grading</i>	Ac	3	\$8,000	\$24,000
<i>Finished grading and seeding</i>	SY	130000	\$1	\$65,000
<i>Erosion and sedimentation</i>	LS	1	\$20,000	\$20,000
Stormwater				
<i>Inlets</i>	Ea	12	\$2,000	\$24,000
<i>Piping</i>	LF	750	\$50	\$37,500
Existing street alterations				
Pershing ave at Steam Plant				
<i>Milling of Existing Pavement (1 1/2")</i>	SY	800	\$3	\$2,400
<i>Superpave Wearing Course 9.5mm (1 1/2")</i>	SY	800	\$7	\$5,600
Beaver Street modifications				
<i>Signal and pavement marking estimate (see detailed breakdown)</i>	Ea	1	\$75,000	\$75,000
<i>Milling of Existing Pavement (1 1/2")</i>	SY	2000	\$3	\$6,000
<i>Superpave Wearing Course 9.5mm (1 1/2")</i>	SY	2000	\$7	\$14,000
<i>Street Base Repair</i>	SY	500	\$5	\$2,500
<i>Cement Concrete Curb</i>	LF	2400	\$25	\$60,000
<i>4" Thick Concrete Sidewalk</i>	SF	400	\$7	\$2,800
Proposed Roadway				
<i>Road Excavation, Fill, and Compaction</i>	SY	3380	\$20	\$67,600
<i>Subbase - 6"</i>	SY	3380	\$9	\$31,265
<i>Superpave Base Course - 3"</i>	SY	3380	\$13	\$42,250
<i>Superpave Binder Course - 2.5"</i>	SY	3380	\$12	\$38,870
<i>Superpave Wearing Course - 1.5"</i>	SY	3380	\$8	\$25,350
<i>Cement Concrete Curb</i>	LF	2300	\$20	\$46,000
<i>4" Thick Concrete Sidewalk</i>	SF	6000	\$4	\$24,000
<i>Lighting Fixture and Pole (including foundation)</i>	EA	15	\$2,500	\$37,500
<i>2" Sch. 40 PVC Direct Buried Conduit for Lighting</i>	LF	1000	\$8	\$8,000

		SUB-TOTAL	\$761,878
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Project cost estimates

<i>Engineering design 8%</i>	\$60,950
<i>Bidding 5%</i>	\$38,094
<i>Construction inspection 5%</i>	\$38,094

Contingency 20%

\$152,376

Project total

\$1,051,392