

## Estimate SR608 Buggy Ln

Estimated Cost:\$1,429,154.00

Contingency: 35.00%

**Estimated Total: \$1,929,357.90**

Engineer's Opinion of Estimated Construction Cost  
Contingency - 35%  
Buggy Lane Widening

**Base Date: 04/11/17**

Spec Year: 16

Unit System: E

Work Type: ASPHALT

Highway Type: 441 (448) ON 304

Urban/Rural Type: RURAL CLASS

Season: SUMMER

County: GEAUGA

Latitude of Midpoint: 0

Longitude of Midpoint: 0

District: 12

Federal/State Project Number: 103884

Estimate Type: Final Design

*Prepared by Josh Otworth on 04/11/17*

*Checked by Josh Lockhart on 04/11/17*

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					

**Group 0100:** Roadway

0005	201E11000 CLEARING AND GRUBBING	1.000	LS	\$22,000.00000	\$22,000.00
0006	202E23000 PAVEMENT REMOVED	810.000	SY	\$13.00000	\$10,530.00
0007	203E10000 EXCAVATION	16,700.000	CY	\$9.50000	\$158,650.00
0008	203E20000 EMBANKMENT	2,900.000	CY	\$11.00000	\$31,900.00
0009	204E10000 SUBGRADE COMPACTION	11,300.000	SY	\$2.50000	\$28,250.00
0010	204E13000 EXCAVATION OF SUBGRADE	1,670.000	CY	\$16.70000	\$27,889.00
0011	204E30010 GRANULAR MATERIAL, TYPE B	1,670.000	CY	\$35.00000	\$58,450.00
0012	204E45000 PROOF ROLLING	12.000	HOUR	\$250.00000	\$3,000.00
0013	606E16001 GUARDRAIL REBUILT, AS PER PLAN	600.000	FT	\$30.00000	\$18,000.00

Total for Group 0100:\$358,669.00

**Group 0200:** Erosion Control

0014	659E00301 TOPSOIL, AS PER PLAN	2,210.000	CY	\$20.00000	\$44,200.00
0015	659E10000 SEEDING AND MULCHING	19,800.000	SY	\$1.50000	\$29,700.00

Total for Group 0200:\$73,900.00

**Group 0300:** Drainage

0016	605E31100 AGGREGATE DRAINS	2,270.000	FT	\$12.00000	\$27,240.00
0017	611E99920 DRAINAGE STRUCTURE, MISC.: <i>Misc. Drainage Work</i>	1.000	LS	\$80,000.00000	\$80,000.00

Total for Group 0300:\$107,240.00

**Group 0400:** Pavement

0018	252E01500 FULL DEPTH PAVEMENT SAWING	12,400.000	FT	\$1.25000	\$15,500.00
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<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0019	301E46000 ASPHALT CONCRETE BASE, PG64-22	1,890.000	CY	\$118.00000	\$223,020.00
0020	304E20000 AGGREGATE BASE	1,890.000	CY	\$49.00000	\$92,610.00
0021	407E10000 TACK COAT	2,370.000	GAL	\$2.75000	\$6,517.50
0022	408E10000 PRIME COAT	4,530.000	GAL	\$3.75000	\$16,987.50
0023	441E50000 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	1,040.000	CY	\$170.00000	\$176,800.00
0024	441E50300 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	580.000	CY	\$136.00000	\$78,880.00
0025	609E26000 CURB, TYPE 6	2,950.000	FT	\$18.00000	\$53,100.00
0026	609E12000 COMBINATION CURB AND GUTTER, TYPE 2	460.000	FT	\$25.00000	\$11,500.00

Total for Group 0400:\$674,915.00

Group 0500: Traffic Control

0027	642E00094 EDGE LINE, 6"	2.800	MILE	\$900.00000	\$2,520.00
0028	642E00290 CENTER LINE	1.410	MILE	\$1,000.00000	\$1,410.00
0029	642E00390 CHANNELIZING LINE, 8"	200.000	FT	\$1.00000	\$200.00
0030	642E01290 LANE ARROW	4.000	EACH	\$75.00000	\$300.00

Total for Group 0500:\$4,430.00

Group 0650: Structures

0031	503E11100 COFFERDAMS AND EXCAVATION BRACING <i>Box Culvert Extension - East Side</i>	1.000	LS	\$20,000.00000	\$20,000.00
0032	611E97300 CONDUIT, MISC.: <i>Box Culvert Extension - East Side</i>	1.000	LS	\$80,000.00000	\$80,000.00

Total for Group 0650:\$100,000.00

Group 0800: Incidentals

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0033	614E11000 MAINTAINING TRAFFIC	1.000	LS	\$50,000.00000	\$50,000.00
0034	623E10000 CONSTRUCTION LAYOUT STAKES AND SURVEYING	1.000	LS	\$20,000.00000	\$20,000.00
0035	624E10000 MOBILIZATION	1.000	LS	\$40,000.00000	\$40,000.00

Total for Group 0800:\$110,000.00