

# CY 2025-2029 Business Plan Inflation Calculator:

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Last Modified: 1/27/2025

Today's Date:  
February 28, 2025

Please Enter Values in the Yellow Areas Only:

**Estimation Start Date:**

Less than or Equal to Today's Date  
(mm/dd/yyyy)

2/28/2025

Start Date:

**Enter Construction Mid-Point Date:**

(cannot exceed 02/28/2050)  
(mm/dd/yyyy)

7/15/2027

Construction Mid-Point Date:

**Present-Day Estimated Cost:**

\$3,227,795.59

Estimated Dollar Amount:

Estimate Start Date to Construction Mid-Point Date:

29

Months

Inflation - Start to Mid-Point of Construction:

(compounded growth rate)

Inflated Dollar Amount:

**Business Plan**

10.8%

\$3,576,467.14

Estimator's Name:

County - Route - Section:

LIC-SR79-03.28

PID:

117102

Estimator's Notes:

Stage 2 Estimate

## Estimate

Estimated Cost:\$2,934,359.63

Contingency: 10.00%

**Estimated Total: \$3,227,795.59**

Stage 2 Estimate

**Base Date: 02/28/25**

Spec Year: 23

Unit System: E

Work Type: ASPHALT

Highway Type:

Urban/Rural Type:

Season:

County: LICKING

Latitude of Midpoint: 822853

Longitude of Midpoint: 395556

District: 05

Federal/State Project Number: E220356

Estimate Type: Stage 2

*Prepared by Christopher Dekle on 02/28/25*

*Checked by Josh Slaga on 02/28/25*

Estimate:

<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 0001: Roadway

0005	201E11000 CLEARING AND GRUBBING	1.000	LS	\$13,000.00000	\$13,000.00
0006	202E23000 PAVEMENT REMOVED	230.000	SY	\$41.77140	\$9,607.42
0007	202E30000 WALK REMOVED	1,940.000	SF	\$5.47682	\$10,625.03
0008	202E32000 CURB REMOVED	55.000	FT	\$20.82493	\$1,145.37
0009	202E35100 PIPE REMOVED, 24" AND UNDER	1,149.000	FT	\$18.05614	\$20,746.50
0010	202E35200 PIPE REMOVED, OVER 24"	272.000	FT	\$62.12090	\$16,896.88
0011	202E58000 MANHOLE REMOVED	4.000	EACH	\$815.77003	\$3,263.08
0012	202E58100 CATCH BASIN REMOVED	24.000	EACH	\$537.90069	\$12,909.62
0013	202E75000 FENCE REMOVED	420.000	FT	\$2.52649	\$1,061.13
0014	203E10000 EXCAVATION	5,920.000	CY	\$19.53004	\$115,617.84
0015	203E20000 EMBANKMENT	160.000	CY	\$29.97848	\$4,796.56
0016	204E10000 SUBGRADE COMPACTION	12,850.000	SY	\$2.28700	\$29,387.95
0017	204E45000 PROOF ROLLING	7.000	HOUR	\$257.95894	\$1,805.71
0018	206E15020 CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	12,850.000	SY	\$4.84449	\$62,251.70
0019	608E10000 4" CONCRETE WALK	6,880.000	SF	\$8.89875	\$61,223.40
0020	608E15000 8" CONCRETE WALK	2,745.000	SF	\$15.75999	\$43,261.17
0021	608E52000 CURB RAMP	2,115.000	SF	\$20.93291	\$44,273.10

Estimate:

<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>					

Total for Group 0001:\$451,872.46

Group 0002: Erosion Control

0022	653E10000	218.000	CY	\$45.70652	\$9,964.02
TOPSOIL FURNISHED AND PLACED					
0023	659E00500	2,025.000	SY	\$1.32680	\$2,686.77
SEEDING AND MULCHING, CLASS 1					
0024	659E20000	0.250	TON	\$760.11390	\$190.03
COMMERCIAL FERTILIZER					
0025	659E31000	0.390	ACRE	\$98.29856	\$38.34
LIME					
0026	659E35000	11.000	MGAL	\$1.14275	\$12.57
WATER					
0027	832E15000	1.000	LS	\$10,000.00000	\$10,000.00
STORM WATER POLLUTION PREVENTION PLAN					
0030	832E30000	8,000.000	EACH	\$1.00000	\$8,000.00
EROSION CONTROL					

Total for Group 0002:\$30,891.73

Group 0003: Drainage

0031	605E14000	3,990.000	FT	\$10.79461	\$43,070.49
6" BASE PIPE UNDERDRAINS					
0032	611E00900	200.000	FT	\$40.84998	\$8,170.00
6" CONDUIT, TYPE B					
0033	611E04400	1,055.000	FT	\$60.27009	\$63,584.94
12" CONDUIT, TYPE B					
0034	611E05900	275.000	FT	\$107.19819	\$29,479.50
15" CONDUIT, TYPE B					
0035	611E07400	354.000	FT	\$116.30634	\$41,172.44
18" CONDUIT, TYPE B					
0036	611E16400	330.000	FT	\$210.55667	\$69,483.70
36" CONDUIT, TYPE B					
0037	611E98180	27.000	EACH	\$3,795.94866	\$102,490.61
CATCH BASIN, NO. 3A					
0038	611E98470	3.000	EACH	\$2,623.62363	\$7,870.87
CATCH BASIN, NO. 2-2B					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0039	611E99574 MANHOLE, NO. 3	14.000	EACH	\$4,800.00000	\$67,200.00

Total for Group 0003:\$432,522.55

Group 0004: Pavement

0040	301E56000 ASPHALT CONCRETE BASE, PG64-22, (449)	1,575.000	CY	\$183.15989	\$288,476.83
0041	304E20000 AGGREGATE BASE	2,188.000	CY	\$77.96789	\$170,593.74
0042	407E20000 NON-TRACKING TACK COAT	1,240.000	GAL	\$3.60798	\$4,473.90
0043	441E70000 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	383.000	CY	\$274.52998	\$105,144.98
0044	441E70200 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449)	446.000	CY	\$206.64945	\$92,165.65
0045	452E12010 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	581.000	SY	\$114.01546	\$66,242.98
0046	609E26000 CURB, TYPE 6	3,990.000	FT	\$27.10294	\$108,140.73
0047	609E33000 CURB, TYPE 10	840.000	FT	\$30.00000	\$25,200.00
0048	609E72000 CONCRETE MEDIAN	390.000	SY	\$96.05861	\$37,462.86
0049	823E10000 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448)	81.000	CY	\$295.00000	\$23,895.00
0050	823E15000 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)	113.000	CY	\$270.00000	\$30,510.00

Total for Group 0004:\$952,306.67

Group 0005: Sanitary

0051	611E04400 12" CONDUIT, TYPE B	920.000	FT	\$60.27009	\$55,448.48
0052	611E99574 MANHOLE, NO. 3	5.000	EACH	\$4,902.56366	\$24,512.82
0053	611E99660 MANHOLE RECONSTRUCTED TO GRADE	2.000	EACH	\$1,965.63831	\$3,931.28

Estimate:

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

Total for Group 0005:\$83,892.58

Group 0006: Waterworks

0054	611E99654	1.000	EACH	\$1,162.51100	\$1,162.51
	MANHOLE ADJUSTED TO GRADE				
0055	638E02400	291.000	FT	\$335.00000	\$97,485.00
	12" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 52, PUSH-ON JOINTS AND FITTINGS				
0056	638E08620	6.000	EACH	\$20,000.00000	\$120,000.00
	12" INSERTING VALVE AND VALVE BOX				
0057	638E10500	4.000	EACH	\$4,000.00000	\$16,000.00
	FIRE HYDRANT REMOVED AND RESET				
0058	638E11102	7.000	EACH	\$500.00000	\$3,500.00
	METER AND VAULT REMOVED AND RESET				
0059	638E10800	4.000	EACH	\$460.38702	\$1,841.55
	VALVE BOX ADJUSTED TO GRADE				

Total for Group 0006:\$239,989.06

Group 0007: Traffic Control

0060	630E84900	16.000	EACH	\$15.07034	\$241.13
	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL				
0061	630E97700	9.000	EACH	\$8,000.00000	\$72,000.00
	SIGNING, MISC.: <i>SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY</i>				
0062	644E00104	0.300	MILE	\$5,722.51271	\$1,716.75
	EDGE LINE, 6"				
0063	644E00404	250.000	FT	\$2.70296	\$675.74
	CHANNELIZING LINE, 12"				
0064	644E00500	150.000	FT	\$10.25990	\$1,538.99
	STOP LINE				
0065	644E00630	1,500.000	FT	\$3.75005	\$5,625.08
	CROSSWALK LINE, 24"				
0066	644E00700	400.000	FT	\$7.14311	\$2,857.24
	TRANSVERSE/DIAGONAL LINE				
0069	646E10200	1.000	MILE	\$8,224.01548	\$8,224.02
	CENTER LINE				
0108	644E01300	14.000	EACH	\$116.45869	\$1,630.42
	LANE ARROW				

Estimate:

<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>					
0109	644E00900	35.000	SF	\$3.14505	\$110.08
ISLAND MARKING					
0110	630E84900	29.000	EACH	\$16.79332	\$487.01
REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL					
0111	630E86002	27.000	EACH	\$20.99107	\$566.76
REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL					
0112	630E03100	624.000	FT	\$14.71232	\$9,180.49
GROUND MOUNTED SUPPORT, NO. 3 POST					
0113	630E08600	15.000	EACH	\$49.88082	\$748.21
SIGN POST REFLECTOR					
0115	630E80100	270.000	SF	\$24.44504	\$6,600.16
SIGN, FLAT SHEET					
0116	630E79500	2.000	EACH	\$108.46796	\$216.94
SIGN SUPPORT ASSEMBLY, POLE MOUNTED					

Total for Group 0007:\$112,419.02

**Group 0008:** Maintenance of Traffic

0071	614E11130	24.000	HOUR	\$0.00000	\$0.00
LAW ENFORCEMENT OFFICER FOR ASSISTANCE					
0072	614E12380	6.000	EACH	\$2,704.75668	\$16,228.54
WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)					
0073	614E13310	8.000	EACH	\$15.28608	\$122.29
BARRIER REFLECTOR, TYPE 1					
0074	614E13350	8.000	EACH	\$26.43721	\$211.50
OBJECT MARKER, ONE WAY					
0075	614E18600	24.000	SNMT	\$1,230.24075	\$29,525.78
PORTABLE CHANGEABLE MESSAGE SIGN					
0076	614E23010	250.000	FT	\$0.81948	\$204.87
WORK ZONE CHANNELIZING LINE, CLASS I, 12"					
0077	614E24000	200.000	FT	\$1.50000	\$300.00
WORK ZONE DOTTED LINE, CLASS I					
0078	614E26000	250.000	FT	\$3.84889	\$962.22
WORK ZONE STOP LINE, CLASS I					
0079	614E21000	1.600	MILE	\$1,923.39109	\$3,077.43
WORK ZONE CENTER LINE, CLASS I					

Estimate:

<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>					
0080	614E22010	2.000	MILE	\$1,717.11361	\$3,434.23
WORK ZONE EDGE LINE, CLASS I, 6"					
0081	615E10000	1.000	LS	\$7,500.00000	\$7,500.00
ROADS FOR MAINTAINING TRAFFIC					
0082	615E20000	1,650.000	SY	\$72.60644	\$119,800.63
PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A					
0083	622E41100	730.000	FT	\$25.09815	\$18,321.65
PORTABLE BARRIER, UNANCHORED					
0084	617E25000	25.000	MGAL	\$12.18176	\$304.54
WATER					
0085	614E11300	1.000	EACH	\$40,000.00000	\$40,000.00
SPECIAL - WORK ZONE TRAFFIC SIGNAL					
0086	614E30000	14.000	EACH	\$72.32852	\$1,012.60
WORK ZONE ARROW, CLASS I					

Total for Group 0008:\$241,006.28

Group 0009: Lighting

0090	625E00460	25.000	EACH	\$122.07094	\$3,051.77
CONNECTION, UNFUSED PULL APART					
0091	625E00450	50.000	EACH	\$149.27796	\$7,463.90
CONNECTION, FUSED PULL APART					
0092	625E27403	25.000	EACH	\$1,500.00000	\$37,500.00
LUMINAIRE, POST TOP, SOLID STATE (LED), AS PER PLAN					
0094	625E10480	25.000	EACH	\$2,500.00000	\$62,500.00
LIGHT POLE, AESTHETIC					
0095	625E14001	25.000	EACH	\$2,500.00000	\$62,500.00
LIGHT POLE FOUNDATION, 24" X 6' DEEP, AS PER PLAN					
0096	625E23200	6,500.000	FT	\$3.50000	\$22,750.00
NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE					
0097	625E23400	600.000	FT	\$2.00000	\$1,200.00
NO. 10 AWG POLE AND BRACKET CABLE					
0098	625E25408	1,850.000	FT	\$15.00000	\$27,750.00
CONDUIT, 2", 725.051					
0100	625E29002	1,850.000	FT	\$15.00000	\$27,750.00
TRENCH, 24" DEEP					
0101	625E29400	150.000	FT	\$40.00000	\$6,000.00



Estimate:

<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>					
TRENCH IN PAVED AREA					
0102	625E30510	1.000	EACH	\$897.10586	\$897.11
PULL BOX, 725.06, SIZE 4					
0103	625E32000	25.000	EACH	\$345.43009	\$8,635.75
GROUND ROD					
0104	625E34001	1.000	EACH	\$10,000.00000	\$10,000.00
POWER SERVICE, AS PER PLAN					
0105	625E30530	6.000	EACH	\$1,829.60749	\$10,977.64
PULL BOX, 725.06, SIZE 18					
0106	625E25604	150.000	FT	\$17.25727	\$2,588.59
CONDUIT, 4", 725.051					
0107	625E36010	2,000.000	FT	\$1.44726	\$2,894.52
UNDERGROUND WARNING/MARKING TAPE					

Total for Group 0009:\$294,459.28

Group 0010: Incidentals

0087	614E11000	1.000	LS	\$50,000.00000	\$50,000.00
MAINTAINING TRAFFIC					
0088	623E10000	1.000	LS	\$20,000.00000	\$20,000.00
CONSTRUCTION LAYOUT STAKES AND SURVEYING					
0089	624E10000	1.000	LS	\$25,000.00000	\$25,000.00
MOBILIZATION					

Total for Group 0010:\$95,000.00