

# Report for Village of Ashville, Ohio

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## Impact Fee Methodology and Costing Report



*Korey F. Sarven*  
12/06/2022

Prepared by:

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**APPENDIX G**  
**PLANNING LEVEL CONSTRUCTION ESTIMATES**

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## Estimate

Estimated Cost:\$509,046.97

Contingency: 30.00%

**Estimated Total: \$661,761.06**

Average Cost for 12' Lane per 1 mile

**Base Date: 10/06/22**

Spec Year: 19

Unit System: E

Work Type: ASPHALT

Highway Type:

Urban/Rural Type: URBAN CLASS

Season: SUMMER

County: PICKAWAY

Latitude of Midpoint: 0

Longitude of Midpoint: 0

District: 06

Federal/State Project Number:

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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: Initial Group

0007	202E23000 PAVEMENT REMOVED	590.000	SY	\$15.14627	\$8,936.30
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Regression price 202E23000	Active: Y	Unit Price: \$15.14627
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0008	203E10000 EXCAVATION	4,110.000	CY	\$17.19317	\$70,663.93
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Regression price 203E10000	Active: Y	Unit Price: \$17.19317
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0009	204E10000 SUBGRADE COMPACTION	7,040.000	SY	\$1.85171	\$13,036.04
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Regression price 204E10000	Active: Y	Unit Price: \$1.85171
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0010	301E46000 ASPHALT CONCRETE BASE, PG64-22	1,240.000	CY	\$143.26429	\$177,647.72
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Regression price 301E46000	Active: Y	Unit Price: \$143.26429
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0011	304E20000 AGGREGATE BASE	1,340.000	CY	\$60.79070	\$81,459.54
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Regression price 304E20000	Active: Y	Unit Price: \$60.79070
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0012	407E10000 TACK COAT	528.000	GAL	\$2.65413	\$1,401.38
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Regression price 407E10000	Active: Y	Unit Price: \$2.65413
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0013	441E50000 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	294.000	CY	\$231.80949	\$68,151.99
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Regression price 441E50000	Active: Y	Unit Price: \$231.80949
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0014	441E50200 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)	294.000	CY	\$190.16124	\$55,907.40
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Regression price 441E50200	Active: Y	Unit Price: \$190.16124
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0015	209E60500 LINEAR GRADING	1.000	MILE	\$1,842.66847	\$1,842.67
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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>					

Regression price 209E60500	Active: Y	Unit Price: \$1,842.66847
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0016	614E11000	1.000	LS	\$20,000.00000	\$20,000.00
	MAINTAINING TRAFFIC				
0017	623E10000	10,000.000	LS	\$0.00000	\$0.00
	CONSTRUCTION LAYOUT STAKES AND SURVEYING				
0018	624E10000	1.000	LS	\$10,000.00000	\$10,000.00
	MOBILIZATION				

Total for Group 0001:\$509,046.97

## Estimate

Estimated Cost:\$504,663.78

Contingency: 10.00%

**Estimated Total: \$555,130.16**

Average Cost of Street Lighting Per Mile

**Base Date: 10/06/22**

Spec Year: 19

Unit System: E

Work Type: LIGHTING FOR ROADWAY AND SIGNS

Highway Type:

Urban/Rural Type: URBAN CLASS

Season: SUMMER

County: PICKAWAY

Latitude of Midpoint: 0

Longitude of Midpoint: 0

District: 06

Federal/State Project Number:

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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: Initial Group

0006	625E00480	88.000	EACH	\$95.60084	\$8,412.87
	CONNECTION, UNFUSED PERMANENT				

Regression price 625E00480	Active: Y	Unit Price: \$95.60084
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0007	625E10480	44.000	EACH	\$3,500.00000	\$154,000.00
	LIGHT POLE, DECORATIVE				

0008	625E14000	44.000	EACH	\$982.76675	\$43,241.74
	LIGHT POLE FOUNDATION, 24" X 6' DEEP				

Regression price 625E14000	Active: Y	Unit Price: \$982.76675
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0009	625E17900	44.000	EACH	\$750.00000	\$33,000.00
	BRACKET ARM				

0010	625E23200	15,840.000	FT	\$1.97442	\$31,274.81
	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE				

Regression price 625E23200	Active: Y	Unit Price: \$1.97442
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0011	625E23400	5,016.000	FT	\$1.12473	\$5,641.65
	NO. 10 AWG POLE AND BRACKET CABLE				

Regression price 625E23400	Active: Y	Unit Price: \$1.12473
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0012	625E25500	7,920.000	FT	\$19.03999	\$150,796.72
	CONDUIT, 3", 725.04				

Regression price 625E25500	Active: Y	Unit Price: \$19.03999
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0013	625E27550	44.000	EACH	\$500.00000	\$22,000.00
	LUMINAIRE, DECORATIVE				

0014	625E00450	88.000	EACH	\$78.04180	\$6,867.68
	CONNECTION, FUSED PULL APART				

Regression price 625E00450	Active: Y	Unit Price: \$78.04180
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0015	625E30706	44.000	EACH	\$857.55728	\$37,732.52
	PULL BOX, 725.08, 24"				

Regression price 625E30706	Active: Y	Unit Price: \$857.55728
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0016	625E32000	46.000	EACH	\$198.46829	\$9,129.54
	GROUND ROD				

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>					

Regression price 625E32000	Active: Y	Unit Price: \$198.46829
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0017	625E34000	1.000	EACH	\$2,566.24836	\$2,566.25
POWER SERVICE					

Average price 625E34000	Active: Y	Unit Price: \$2,566.24836
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Total for Group 0001:\$504,663.78



## Estimate

Estimated Cost:\$367,369.67

Contingency: 30.00%

**Estimated Total: \$477,580.57**

Cost of Sidewalk and Shared Use Path (1 on each side) per Mile

**Base Date: 10/06/22**

Spec Year: 19

Unit System: E

Work Type:

Highway Type:

Urban/Rural Type: URBAN CLASS

Season: SUMMER

County: PICKAWAY

Latitude of Midpoint: 0

Longitude of Midpoint: 0

District: 06

Federal/State Project Number:

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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

Group 0001: Initial Group

0005	204E10000	5,900.000	SY	\$2.04938	\$12,091.34
SUBGRADE COMPACTION					

Regression price 204E10000	Active: Y	Unit Price: \$2.04938
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0006	304E20000	978.000	CY	\$60.91112	\$59,571.08
AGGREGATE BASE					

Regression price 304E20000	Active: Y	Unit Price: \$60.91112
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0007	407E10000	440.000	GAL	\$2.68400	\$1,180.96
TACK COAT					

Regression price 407E10000	Active: Y	Unit Price: \$2.68400
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0008	608E10000	26,400.000	SF	\$5.23153	\$138,112.39
4" CONCRETE WALK					

Regression price 608E10000	Active: Y	Unit Price: \$5.23153
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0009	609E14000	10,560.000	FT	\$6.00000	\$63,360.00
CURB, TYPE 2-A					

0010	659E00500	4,693.000	SY	\$1.55634	\$7,303.90
SEEDING AND MULCHING, CLASS 1					
























Regression price 659E00500	Active: Y	Unit Price: \$1.55634
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0011	823E10000	490.000	CY	\$175.00000	\$85,750.00
ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448)					

Total for Group 0001:\$367,369.67

# CONSTRUCTION COST PER SQUARE FOOT (PSF)

## AVERAGE COST PER SQUARE FOOT IN THE UNITED STATES

Commercial Office Space	Hospitality	Warehouse & Manufacturing Facilities	Healthcare	Schools	Universities	Public & Community Facilities	Parking Structures
 Single story \$313 psf	 3-star hotel \$478 psf	 Regional distribution center \$214 psf	 Medical office \$498 psf	 Elementary - \$295 psf Middle school - \$325 psf High school - \$359 psf	 Dormitory \$322 psf	 Gymnasium \$403 psf	 Above-ground /multi-level parking \$71 psf
 Mid-rise \$562 psf	 5-star hotel \$691 psf	 Light industrial warehouse \$238 psf	 Specialty clinic \$619 psf	 Primary/Secondary \$327 psf	 Standard classroom building \$580 psf	 Police station \$580 psf	 Below-ground /multi-level parking \$143 psf
 High-rise \$660 psf		 Tech lab factory \$635 psf	 Acute care facility \$888 psf		 Admin building \$596 psf	 Government admin building \$591 psf	
					 Laboratory \$756 psf	 Museum/Performing arts center \$892 psf	