

TEBBE CIVIL ENGINEERING, LLC
STATE ROUTE 316 RESURFACING, SIDEWALK (ADA) AND STORMWATER IMPROVEMENT PROJECT
VILLAGE OF ASHVILLE, OHIO
CONSTRUCTION COST ESTIMATE

October 4, 2018

Project No. 1007

Calculated by: CMT Checked By: CMT

ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	COST
PHASE 1 - WEST STATION STREET ~ LONG STREET TO RANDOLPH STREET [CDBG]					
202	24	SY	PAVEMENT REMOVED & DISPOSED OF	\$ 8.00	\$ 192.00
202	15	SY	WALK REMOVED	\$ 12.00	\$ 180.00
252	132	LF	FULL DEPTH PAVEMENT SAWING (O.D.O.T.)	\$ 3.00	\$ 396.00
253	8	CY	FULL DEPTH PAVEMENT REPAIR (12" DEPTH)	\$ 400.00	\$ 3,200.00
254	871	SY	PAVEMENT PLANING, ASPHALT CONCRETE (1.5")	\$ 10.00	\$ 8,710.00
407	218	GAL	TACK COAT (APPLIED @ 0.25 GAL/SY)	\$ 3.75	\$ 817.50
413	132	LF	CRACK SEALING, HOT APPLIED	\$ 3.00	\$ 396.00
448	37	CY	1.5" ASPHALT CONCRETE, SURFACE TYPE 1	\$ 205.00	\$ 7,585.00
604	2	EA	MANHOLE ADJUSTED TO GRADE	\$ 250.00	\$ 500.00
608	794	SF	CONCRETE WALK, 4" THICK	\$ 10.00	\$ 7,940.00
608	6	EA	CURB RAMPS	\$ 750.00	\$ 4,500.00
608	6	EA	DETECTABLE WARNING, AS PER SUPPLEMENTAL SPECIFICATION 1551	\$ 100.00	\$ 600.00
644	12	LF	STOP LINE	\$ 8.00	\$ 96.00
644	46	LF	CROSSWALK LINE	\$ 6.00	\$ 276.00
614	LUMP	LS	MAINTAINING TRAFFIC	\$ 1,000.00	\$ 1,000.00
624	LUMP	SUM	MOBILIZATION	\$ 1,000.00	\$ 1,000.00

Unit prices used in this estimate are consistent with the Davis-Bacon prevailing wage law.

SUBTOTAL \$ 37,388.50

10% CONTINGENCY \$ 3,738.85

TOTAL ESTIMATED CONSTRUCTION COST \$ 41,127.35

Estimated Breakdown: Material = \$ 24,676.41 Labor = \$ 16,450.94

ENGINEERING AND BIDDING \$ 4,112.74

TOTAL ESTIMATED PHASE 1 COST \$ 45,240.09

PHASE 2A - SR 316 RESURFACING, SIDEWALK (ADA) AND STORMWATER IMPROVEMENTS

REMOVAL ITEMS

201	1	LS	CLEARING AND GRUBBING	\$5,000.00	\$5,000.00
201	3	EA	TREE REMOVED, 18" SIZE	\$400.00	\$1,200.00
201	3	EA	STUMP REMOVED, 18" SIZE	\$400.00	\$1,200.00
202	775	LF	PIPE REMOVED OR ABANDONED IN PLACE	\$25.00	\$19,375.00
202	370	SY	PAVEMENT REMOVED	\$15.00	\$5,550.00
202	254	SY	PAVEMENT REMOVED (CONCRETE)	\$20.00	\$5,080.00
202	25516	SF	WALK REMOVED	\$2.00	\$51,032.00
202	5150	LF	CURB REMOVED	\$10.00	\$51,500.00
202	6	EA	MANHOLE REMOVED	\$600.00	\$3,600.00
202	30	EA	CATCH BASIN OR INLET REMOVED	\$450.00	\$13,500.00

SUBTOTAL REMOVAL ITEMS \$157,037.00

PAVEMENT

253	223	CY	FULL DEPTH PAVEMENT REPAIR (12" DEPTH)	\$350.00	\$78,050.00
452	382	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS C (DRIVEWAYS - COC 2201)	\$70.00	\$26,740.00
452	183	SY	NON-REINFORCED CONCRETE PAVEMENT, CLASS C (ALLEYS - COC 2150, TYPE II)	\$80.00	\$14,640.00

SUBTOTAL PAVEMENT \$119,430.00

TEBBE CIVIL ENGINEERING, LLC
STATE ROUTE 316 RESURFACING, SIDEWALK (ADA) AND STORMWATER IMPROVEMENT PROJECT
VILLAGE OF ASHVILLE, OHIO
CONSTRUCTION COST ESTIMATE
 October 4, 2018
 Project No. 1007
 Calculated by: CMT Checked By: CMT

CURB \ SIDEWALK					
601	100	LF	PAVED GUTTER, AS PER PLAN	\$45.00	\$4,500.00
608	24616	SF	CONCRETE WALK (COC STD DWG 2300)	\$7.50	\$184,620.00
608	38	EA	CURB RAMPS (WITH DETECTABLE WARNING)	\$500.00	\$19,000.00
609	4853	LF	STRAIGHT 18" CONCRETE CURB, WITH 4" UNDERDRAIN (COC STD DWG 2000)	\$20.00	\$97,060.00
SUBTOTAL CURB \ SIDEWALK					\$305,180.00
DRAINAGE					
604	20	EA	CATCH BASIN, AS PER AA-S133A WITH HEAVY DUTY GRATE (COC)	\$1,500.00	\$30,000.00
604	33	EA	CURB & GUTTER INLET, AS PER AA-S125 (COC)	\$2,000.00	\$66,000.00
604	5	EA	MANHOLE ADJUSTED TO GRADE	\$500.00	\$2,500.00
604	6	EA	MANHOLE, TYPE C, AS PER AA-S102 (COC)	\$3,500.00	\$21,000.00
604	10	EA	MANHOLE, TYPE E, AS PER AA-S104 (COC)	\$4,000.00	\$40,000.00
901	977	LF	12" PIPE W/ TYPE I BEDDING & ITEM 912 COMPACTED GRANULAR MATERIAL (COC)	\$65.00	\$63,505.00
901	556	LF	15" PIPE W/ TYPE I BEDDING & ITEM 912 COMPACTED GRANULAR MATERIAL (COC)	\$70.00	\$38,920.00
901	455	LF	18" PIPE W/ TYPE I BEDDING & ITEM 912 COMPACTED GRANULAR MATERIAL (COC)	\$75.00	\$34,125.00
SUBTOTAL DRAINAGE					\$296,050.00
EROSION CONTROL					
653	210	CY	TOPSOIL FURNISHED AND PLACED (3" AVERAGE DEPTH)	\$50.00	\$10,500.00
659	0.9	TON	LIME	\$130.00	\$117.00
659	0.3	TON	COMMERCIAL FERTILIZER	\$600.00	\$180.00
659	27	M GAL	WATER	\$50.00	\$1,350.00
659	502	SY	INTERSEEDING	\$4.00	\$2,008.00
659	23	M SF	MOWING	\$40.00	\$920.00
659	2512	SY	SEEDING & MULCHING	\$2.00	\$5,024.00
832	1	LS	EROSION CONTROL	\$12,500.00	\$12,500.00
832	1	LS	STORMWATER POLLUTION PREVENTION PLAN, AS PER PLAN	\$5,000.00	\$5,000.00
SUBTOTAL EROSION CONTROL					\$37,599.00
TRAFFIC CONTROL					
614	1	LS	MAINTAINING TRAFFIC	\$10,000.00	\$10,000.00
630	12	EA	REMOVAL OF GROUND MOUNTED SIGN AND RE-ERECTION	\$25.00	\$300.00
SPEC	1	EA	RECTANGULAR RAPID FLASHING BEACON (RRFB) COMPLETE, AS PER PLAN	\$30,000.00	\$30,000.00
SPEC	3	EA	REMOVAL OF TRAFFIC SIGNAL AND CONTROLLERS, AS PER PLAN	\$5,000.00	\$15,000.00
630	3	EA	INSTALLATION OF SIGNAGE AT FORMERLY SIGNALIZED INTERSECTIONS, AS PER PLAN	\$4,000.00	\$12,000.00
SUBTOTAL TRAFFIC CONTROL					\$67,300.00
MISCELLANEOUS					
623	1	LS	CONSTRUCTION LAYOUT STAKES	\$15,000.00	\$15,000.00
SPEC	2	EA	PROJECT SIGN	\$750.00	\$1,500.00
624	1	LS	MOBILIZATION (SR 316)	\$10,000.00	\$10,000.00
SUBTOTAL MISCELLANEOUS					\$26,500.00
Unit prices used in this estimate are consistent with the Davis-Bacon prevailing wage law.				SUBTOTAL	\$1,009,096.00
				10% CONTINGENCY	\$100,910.00
				TOTAL ESTIMATED CONSTRUCTION COST	\$1,110,006.00
Estimated Breakdown: Material = \$ 721,504.00 Labor = \$ 388,502.00				ENGINEERING & SURVEYING	\$100,614.60
				TOTAL ESTIMATED PHASE 2A COST	\$1,210,620.60

TEBBE CIVIL ENGINEERING, LLC
STATE ROUTE 316 RESURFACING, SIDEWALK (ADA) AND STORMWATER IMPROVEMENT PROJECT
VILLAGE OF ASHVILLE, OHIO
CONSTRUCTION COST ESTIMATE
 October 4, 2018
 Project No. 1007
 Calculated by: CMT Checked By: CMT

PHASE 2B - SR 316 RESURFACING, SIDEWALK (ADA) AND STORMWATER IMPROVEMENTS

PAVEMENT					
252	2046	LF	FULL DEPTH PAVEMENT SAWING	\$3.00	\$6,138.00
253	2805	SY	PAVEMENT REPAIR, AS PER PLAN (EDGE MILLING: 4' WIDE x 0" TO 4" DEPTH)	\$10.00	\$28,050.00
254	14200	SY	PAVEMENT PLANING, ASPHALT CONCRETE (1.5" DEPTH)	\$7.50	\$106,500.00
407	1280	GAL	NON-TRACKING TACK COAT	\$3.50	\$4,480.00
423	1434	LF	CRACK SEALING, TYPE II	\$3.00	\$4,302.00
441	592	CY	ASPHALT CONCRETE SURFACE COURSE TYPE 1, PG64-22 (1.5" DEPTH)	\$220.00	\$130,240.00
SUBTOTAL PAVEMENT					\$279,710.00

TRAFFIC CONTROL					
614	1	LS	MAINTAINING TRAFFIC	\$15,000.00	\$15,000.00
SUBTOTAL TRAFFIC CONTROL					\$15,000.00

PAVEMENT MARKING					
644	0.05	MILE	EDGE LINE, 4" WHITE	\$4,000.00	\$200.00
644	385	LF	STOP LINE, 20" WHITE	\$10.00	\$3,850.00
644	0.55	MILE	CENTER LINE, 4" DOUBLE YELLOW	\$6,500.00	\$3,575.00
644	1327	LF	CROSSWALK LINE, 10" WHITE	\$3.50	\$4,645.00
644	2	EA	GRADE CROSSING PAVEMENT MARKING (PER OMUTCD FIG. 8B-7A)	\$1,200.00	\$2,400.00
644	2	EA	HANDICAP SYMBOL MARKING	\$500.00	\$1,000.00
SUBTOTAL PAVEMENT MARKING					\$15,670.00

MISCELLANEOUS					
623	1	LS	CONSTRUCTION LAYOUT STAKES	\$5,000.00	\$5,000.00
624	1	LS	MOBILIZATION	\$5,000.00	\$5,000.00
SUBTOTAL MISCELLANEOUS					\$10,000.00


Unit prices used in this estimate are consistent with the Davis-Bacon prevailing wage law.	SUBTOTAL	\$320,380.00
	10% CONTINGENCY	\$32,038.00
	TOTAL ESTIMATED CONSTRUCTION COST	\$352,418.00
Estimated Breakdown: Material = \$ 246,693.00 Labor = \$ 105,725.00	ENGINEERING & SURVEYING	\$32,038.00
	TOTAL ESTIMATED PHASE 2B COST	\$384,456.00


TOTAL ESTIMATED PROJECT COST \$1,640,317.00

This project has a weighted useful life of 32.6 years as follows:

Storm Sewer & Utilities - 50 years @ 42% of project = 21.0 years
 Roadway & Pavement - 20 years @ 58% of project = 11.6 years

Total = 32.6 years

By:  _____



Date: 4 Oct 2018

This is a Copy the
 Original is in Tab 5
 the Originals Section