ORDINANCE NO. 62-16

AN ORDINANCE AUTHORIZING THE MAYOR TO ADVERTISE FOR COMPETITIVE BIDS AND TO AWARD A CONTRACT TO THE SUCCESSFUL BIDDER FOR THE WEST SMITH ROAD RECONSTRUCTION PROJECT.

BE IT ORDAINED BY THE COUNCIL OF THE CITY OF MEDINA, OHIO:

SEC. 1: That the Mayor is hereby authorized and directed to advertise for competitive bids and to award a contract to the successful bidder for the West Smith Road Reconstruction Project (City Job #818) in accordance with plans and specifications on file in the office of the Mayor.

SEC. 2: That the estimated cost of the project, in the amount of $3,655,413.00, is available as follows: $742,500.00 in Account No. 386-0673-54414 (FHWA Grant, PID 81334), $406,000.00 in Account No. 380-0673-54414 (OPWC Grant Project #CIU22), $25,830.18 in Account No. 382-0673-54414, $73,591.23 in Account No. 383-0673-54414, and $2,407,491.59 in Account No. 108-0673-54414.

SEC. 3: That it is found and determined that all formal actions of this Council concerning and relating to the passage of this Ordinance were adopted in an open meeting of this Council, and that all deliberations of this Council and any of its committees that resulted in such formal action, were in meetings open to the public, in compliance with the law.

SEC. 4: That this Ordinance shall be in full force and effect at the earliest period allowed by law.

PASSED: May 9, 2016 **SIGNED:** John M. Coyne, III
President of Council

ATTEST: Kathy Patton
Clerk of Council

APPROVED: May 10, 2016

SIGNED: Dennis Hanwell
Mayor

West Smith Road Reconstruction - Section 1

Notes:

1. Estimates do not include possible reimbursible utility relocation costs.
2. Estimates do not include right of way land costs.
3. Estimates do not include construction engineering and inspection.

ITEM	ITEM EXT.	DESCRIPTION	UNIT	100% LOCAL	PROJECT	UNIT PRICE	100% LOCAL COST	PROJECT COST	TOTAL COST
		ROADWAY							
201	11000	CLEARING AND GRUBBING	-		LUMP	$ 5,000.00		$ 5,000.00	$ 5,000.00
202	11000	STRUCTURE REMOVED	-		LUMP	$ 20,000.00		$ 20,000.00	$ 20,000.00
202	20010	HEADWALL REMOVED	EACH		2	$ 5,000.00		$10,000.00	$ 10,000.00
202	23001	PAVEMENT REMOVED, AS PER PLAN	SQ YD	0	13205	$ 8.00	$ -	$105,640.00	$ 105,640.00
202	23010	PAVEMENT REMOVED, ASPHALT	SQ YD	0	611	$ 7.00	$ -	$4,277.00	$ 4,277.00
202	30000	WALK REMOVED	SQ FT		2536	$ 3.00	$ -	$7,614.00	$ 7,614.00
202	35100	PIPE REMOVED, 24" AND UNDER	FT		1,430	$ 20.00	$ -	$28,600.00	$ 28,600.00
202	35101	PIPE REMOVED, 24" AND UNDER, AS PER PLAN	FT		1,820	$ 40.00	$ -	$84,800.00	$ 84,800.00
202	38500	BRIDGE RAILING REMOVED (MOUNTED TO CULVERT)	FT		57	$ 10.00	$ -	$570.00	$ 570.00
202	53100	MAILBOX REMOVED	EACH		5	$ 175.00	$ -	$875.00	$ 875.00
202	56100	CATCH BASIN REMOVED	EACH		28	$ 350.00	$ -	$9,100.00	$ 9,100.00
202	70100	SPECIAL - PIPE CLEANOUT	FT		500	$ 15.00	$ -	$7,500.00	$ 7,500.00
202	75000	FENCE REMOVED	FT		12	$ 8.00	$ -	$96.00	$ 96.00
202	99800	ABANDON MISC.: PIPE ABANDON IN PLACE, AS PER PLAN (WITH LOW STRENGTH MORTAR)	FT	1223	132	$ 8.00	$ 9,784.00	$1,056.00	$ 10,840.00
203	10000	EXCAVATION	CU YD		3418	$ 10.00	$ -	$34,180.00	$ 34,180.00
203	20000	EMBANKMENT	CU YD		1449	$ 8.00	$ -	$11,592.00	$ 11,592.00
203	35110	GRANULAR EMBANKMENT, TYPE B	CU YD		900	$ 45.00	$ -	$40,500.00	$ 40,500.00
204	10000	SUBGRADE COMPACTION	SQ YD		2987	$ 2.00	$ -	$5,974.00	$ 5,974.00
204	13000	EXCAVATION OF SUBGRADE	CU YD		2800	$ 10.00	$ -	$28,000.00	$ 28,000.00
204	21000	GRANULAR EMBANKMENT	CU YD		2600	$ 40.00	$ -	$104,000.00	$ 104,000.00
204	45000	PROOF ROLLING	HOUR		7	$ 150.00	$ -	$1,050.00	$ 1,050.00
204	50000	GEOTEXTILE FABRIC	SQ YD		2600	$ 3.00	$ -	$7,800.00	$ 7,800.00
206	10500	CEMENT	TON		446	$ 120.00	$ -	$53,520.00	$ 53,520.00
206	11000	CURING COAT	SQ YD		11272	$ 1.00	$ -	$11,272.00	$ 11,272.00
206	15030	CEMENT STABILIZED SUBGRADE, 16 INCHES DEEP	SQ YD		11272	$ 8.00	$ -	$90,176.00	$ 90,176.00
206	30000	MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS	-		LUMP	$ 6,000.00	$ -	$6,000.00	$ 6,000.00
607	98000	FENCE MISC.: WOOD FENCE PER RM-5.2	FT		30	$ 25.00	$ -	$750.00	$ 750.00
608	10001	4" CONCRETE WALK, AS PER PLAN	SQ FT		9791	$ 8.00	$ -	$78,328.00	$ 78,328.00
608	52010	CURB RAMP, TYPE A1	SQ FT		183	$ 6.00	$ -	$1,098.00	$ 1,098.00
623	36501	MONUMENT ASSEMBLY, AS PER PLAN	EACH		2	$ 2,500.00	$ -	$5,000.00	$ 5,000.00
623	40520	RIGHT-OF-WAY MONUMENT	EACH		35	$ 250.00	$ -	$8,750.00	$ 8,750.00
SPECIAL	69050100	SPECIAL-MAILBOX SUPPORT SYSTEM, SINGLE	EACH		5	$ 125.00	$ -	$625.00	$ 625.00
									$ 763,627.00
		EROSION CONTROL							
601	32100	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	CU YD		28	$ 150.00	$ -	$4,200.00	$ 4,200.00
601	32200	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	CU YD		27	$ 120.00	$ -	$3,240.00	$ 3,240.00
659	00300	TOPSOIL	CUYD		700	$ 32.00	$ -	$22,400.00	$ 22,400.00
659	10000	SEEDING AND MULCHING	SQ YD		6,000	$ 2.00	$ -	$12,000.00	$ 12,000.00
659	15000	INTER-SEEDING	SQ YD		300	$ 1.00	$ -	$300.00	$ 300.00
659	20000	COMMERCIAL FERTILIZER	TON		1.00	$ 500.00	$ -	$500.00	$ 500.00
659	35000	WATER	M GAL		33.0	$ 50.00	$ -	$1,650.00	$ 1,650.00
832	13000	STORM WATER POLLUTION PREVENTION PLAN	-		LUMP	$ 10,000.00		$10,000.00	$ 10,000.00
832	30000	EROSION CONTROL	EACH		40,000	$ 1.00	$ -	$40,000.00	$ 40,000.00
									$ 94,290.00
		DRAINAGE							
611	00100	4" CONDUIT, TYPE B	FT		100	$ 30.00	$ -	$3,000.00	$ 3,000.00

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ITEM	ITEM EXT.	DESCRIPTION	UNIT	100% LOCAL	PROJECT	UNIT PRICE	100% LOCAL COST	PROJECT COST	TOTAL COST
611	00200	4" CONDUIT, TYPE C	FT		100	$ 25.00	$ -	$2,500.00	$ 2,500.00
611	00900	6" CONDUIT, TYPE B	FT		200	$ 40.00	$ -	$8,000.00	$ 8,000.00
611	01100	6" CONDUIT, TYPE C	FT		200	$ 30.00	$ -	$6,000.00	$ 6,000.00
611	01600	8" CONDUIT, TYPE B	FT		100	$ 42.00	$ -	$4,200.00	$ 4,200.00
611	02000	8" CONDUIT, TYPE C	FT		100	$ 35.00	$ -	$3,500.00	$ 3,500.00
611	04400	12" CONDUIT, TYPE B	FT		1,887	$ 58.00	$ -	$109,446.00	$ 109,446.00
611	04600	12" CONDUIT, TYPE C	FT		230	$ 50.00	$ -	$11,500.00	$ 11,500.00
611	05800	15" CONDUIT, TYPE B	FT		216	$ 66.00	$ -	$14,688.00	$ 14,688.00
611	06100	15" CONDUIT, TYPE C	FT		107	$ 50.00	$ -	$5,350.00	$ 5,350.00
611	10400	24" CONDUIT, TYPE B	FT		1,942	$ 80.00	$ -	$155,360.00	$ 155,360.00
611	10600	24" CONDUIT, TYPE C	FT		31	$ 70.00	$ -	$2,170.00	$ 2,170.00
611	96314	14' X 6' CONDUIT, TYPE A, 708.05	FT		90	$ 1,300.00	$ -	$117,000.00	$ 117,000.00
611	98510	CATCH BASIN, NO. 2-3	EACH		8	$ 1,500.00	$ -	$12,000.00	$ 12,000.00
611	98690	CATCH BASIN, MISC.: STANDARD NO.2-2-8 INLET BASIN	EACH		4	$ 1,500.00	$ -	$6,000.00	$ 6,000.00
611	98830	CATCH BASIN ADJUSTED TO GRADE	EACH		1	$ 500.00	$ -	$500.00	$ 500.00
611	99500	INLET, MISC.: STANDARD CURB INLET BASIN	EACH		41	$ 2,500.00	$ -	$102,500.00	$ 102,500.00
611	99690	MANHOLE, MISC.: STANDARD REINFORCED PRECAST MANHOLE	EACH		5	$ 2,200.00	$ -	$11,000.00	$ 11,000.00
611	99854	MANHOLE ADJUSTED TO GRADE	EACH		7	$ 500.00	$ -	$3,500.00	$ 3,500.00
611	99860	MANHOLE RECONSTRUCTED TO GRADE	EACH		3	$ 1,500.00	$ -	$4,500.00	$ 4,500.00
SPECIAL	61199820	SPECIAL - MISCELLANEOUS METAL	POUND		2,000	$ 1.00	$ -	$ 2,000.00	$ 2,000.00
605	05200	4" UNCLASSIFIED PIPE UNDERDRAINS	FT		100	$ 12.00	$ -	$ 1,200.00	$ 1,200.00
605	06001	4" BASE PIPE UNDERDRAINS, AS PER PLAN,A	FT		3,926	$ 10.00	$ -	$ 39,260.00	$ 39,260.00
605	06001	4" BASE PIPE UNDERDRAINS, AS PER PLAN,B	FT		1,914	$ 15.00	$ -	$ 28,710.00	$ 28,710.00
									$ 653,864.00
		PAVEMENT							
252	01500	FULL DEPTH PAVEMENT SAWING	FT		8610	$ 2.00	$ -	$ 17,220.00	$ 17,220.00
304	20001	AGGREGATE BASE, AS PER PLAN	CU YD		956	$ 48.00	$ -	$ 45,888.00	$ 45,888.00
407	14000	TACK COAT FOR INTERMEDIATE COURSE	GALLON		4	$ 50.00	$ -	$ 200.00	$ 200.00
441	50000	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	CU YD		65	$ 225.00	$ -	$ 14,625.00	$ 14,625.00
441	50300	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22	CU YD		50	$ 200.00	$ -	$ 10,000.00	$ 10,000.00
451	14011	9" REINFORCED CONCRETE PAVEMENT, CLASS QC1, AS PER PLAN	SQ YD		2709	$ 60.00	$ -	$ 162,540.00	$ 162,540.00
451	16021	12" REINFORCED CONCRETE PAVEMENT, CLASS QC1 WITH QC/QA, AS PER PLAN	SQ YD		11272	$ 65.00	$ -	$ 732,680.00	$ 732,680.00
609	14000	CURB, TYPE 2-A	FT		5860	$ 6.00	$ -	$35,160.00	$ 35,160.00
609	26000	CURB, TYPE 6	FT		400	$ 25.00	$ -	$10,000.00	$ 10,000.00
									$ 1,028,313.00
		WATERWORK							
202	75610	VALVE BOX REMOVED	EACH	6	18	$ 85.00	$ 510.00	$ 1,530.00	$ 2,040.00
202	98100	REMOVAL MISC.: REMOVE HYDRANT ASSEMBLY INCLUDING TEE AND BRANCH, COMPLETE	EACH		7	$ 330.00	$ -	$ 2,310.00	$ 2,310.00
202	98100	REMOVAL MISC.: REMOVE HYDRANT ASSEMBLY INCLUDING TEE AND BRANCH, INSTALL SPOOL PIECE WITH SLEEVES, COMPLETE	EACH		2	$ 500.00	$ -	$ 1,000.00	$ 1,000.00
638	04911	1" COPPER SERVICE BRANCH ("SHORT", CURB STOP AND BOX, COMPLETE IN PLACE), AS PER PLAN	EACH	4	5	$ 1,400.00	$ 5,600.00	$ 7,000.00	$ 12,600.00
638	04911	1" COPPER SERVICE BRANCH ("LONG", CURB STOP AND BOX, COMPLETE IN PLACE), AS PER PLAN	EACH	2	2	$ 1,600.00	$ 3,200.00	$ 3,200.00	$ 6,400.00
638	05011	1.5" COPPER SERVICE BRANCH ("LONG", CURB STOP AND BOX, COMPLETE IN PLACE), AS PER PLAN	EACH	0	2	$ 2,400.00	$ -	$ 4,800.00	$ 4,800.00
638	07311	24" STEEL PIPE ENCASEMENT, JACKED OR BORED, AS PER PLAN	FT		25	$ 400.00	$ -	$ 10,000.00	$ 10,000.00
638	07315	30" STEEL PIPE ENCASEMENT, JACKED OR BORED, AS PER PLAN	FT	23		$ 500.00	$ 11,500.00	$ -	$ 11,500.00
638	08101	12" GATE VALVE AND VALVE BOX, AS PER PLAN	EACH	3	2	$ 2,200.00	$ 6,600.00	$ 4,400.00	$ 11,000.00
638	08103	16" GATE VALVE AND VALVE BOX, AS PER PLAN	EACH	6	0	$ 4,800.00	$ 28,800.00	$ -	$ 28,800.00
638	09201	12" CUTTING-IN SLEEVE, VALVE AND VALVE BOX, AS PER PLAN	EACH	1	0	$ 5,200.00	$ 5,200.00	$ -	$ 5,200.00
638	10201	6" FIRE HYDRANT ASSEMBLY, AS PER PLAN (INCLUDING TEES, COUPLINGS, VALVE & VALVE BOX, RISERS, WITH POLYETHYLENE ENCASEMENT, COMPLETE IN PLACE)	EACH		3	$ 5,500.00	$ -	$ 16,500.00	$ 16,500.00
638	11310	2" AIR RELEASE VALVE (INCLUDING VALVE BOX, RISERS, COMPLETE IN PLACE)	EACH		1	$ 1,475.00	$ -	$ 1,475.00	$ 1,475.00
638	96000	WATER WORK, MISC.: WATER SERVICE CONNECTION, "SHORT", 4" TAPPING SLEEVE, VALVE AND BOX, CURB VALVE AND BOX, COMPLETE IN PLACE	EACH		1	$ 3,000.00	$ -	$ 3,000.00	$ 3,000.00

ITEM	ITEM EXT.	DESCRIPTION	UNIT	100% LOCAL	PROJECT	UNIT PRICE	100% LOCAL COST	PROJECT COST	TOTAL COST
638	98000	WATER WORK, MISC.: WATER SERVICE CONNECTION, "LONG", 6" TAPPING SLEEVE, VALVE AND BOX, CURB VALVE AND BOX, COMPLETE IN PLACE	EACH		2	$ 4,500.00	$ -	$ 9,000.00	$ 9,000.00
638	98000	WATER WORK, MISC.: WATER SERVICE CONNECTION, "LONG", 8" TAPPING SLEEVE, VALVE AND BOX, CURB VALVE AND BOX, COMPLETE IN PLACE	EACH		1	$ 5,000.00	$ -	$ 5,000.00	$ 5,000.00
638	98000	WATER WORK, MISC.: FURNISHING AND SETTING, 6" HYDRANT COMPLETE WITH 6"X6" CUT-IN TEE	EACH	1		$ 6,500.00	$ 6,500.00	$ -	$ 6,500.00
638	98000	WATER WORK, MISC.: FURNISHING AND SETTING, 6" HYDRANT COMPLETE WITH 6"X12" CUT-IN TEE	EACH	2	2	$ 7,000.00	$ 14,000.00	$ 14,000.00	$ 28,000.00
638	98200	WATER WORK, MISC.: PREMIUM BACKFILL EXISTING WATERLINE TO REMAIN	CU YD	766	0	$ 50.00	$ 38,300.00	$ -	$ 38,300.00
638	98800	WATER WORK MISC.: 12" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 52, PUSH-ON JOINTS AND RESTRAINED MECHANICAL JOINT FITTINGS, AS PER PLAN (WITHIN PAVEMENT AREAS WITH POLYETHYLENE ENCASEMENT)	FT	54	971	$ 95.00	$ 5,130.00	$ 92,245.00	$ 97,375.00
638	98800	WATER WORK MISC.: 12" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 52, PUSH-ON JOINTS AND RESTRAINED MECHANICAL JOINT FITTINGS, AS PER PLAN (WITHIN SELECT NATURAL BACKFILL AREAS WITH POLYETHYLENE ENCASEMENT)	FT	76		$ 80.00	$ 6,080.00	$ -	$ 6,080.00
638	98800	WATER WORK MISC.: 16" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 52, PUSH-ON JOINTS AND RESTRAINED MECHANICAL JOINT FITTINGS, AS PER PLAN (WITHIN PAVEMENT AREAS WITH POLYETHYLENE ENCASEMENT)	FT	1370		$ 105.00	$ 143,850.00	$ -	$ 143,850.00
638	98800	WATER WORK MISC.: 16" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 52, PUSH-ON JOINTS AND RESTRAINED MECHANICAL JOINT FITTINGS, AS PER PLAN (WITHIN SELECT NATURAL BACKFILL AREAS WITH POLYETHYLENE ENCASEMENT)	FT	640		$ 90.00	$ 57,600.00	$ -	$ 57,600.00
									$ 506,330.00
		TRAFFIC CONTROL							
630	02100	GROUND MOUNTED SUPPORT, NO. 2 POST	FT		50	$ 10.00	$ -	$ 500.00	$ 500.00
630	03100	GROUND MOUNTED SUPPORT, NO. 3 POST	FT		81	$ 9.00	$ -	$ 729.00	$ 729.00
630	04100	GROUND MOUNTED SUPPORT, NO. 4 POST	FT		29	$ 10.00	$ -	$ 290.00	$ 290.00
630	80100	SIGN, FLAT SHEET	SQ FT		78	$ 20.00	$ -	$ 1,560.00	$ 1,560.00
630	85000	REMOVAL OF GROUND MOUNTED SIGN AND STORAGE	EACH		12	$ 15.00	$ -	$ 180.00	$ 180.00
630	86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	EACH		11	$ 25.00	$ -	$ 275.00	$ 275.00
642	00301	CENTER LINE, TYPE 1, AS PER PLAN	MILE		0.7	$ 5,000.00	$ -	$ 3,500.00	$ 3,500.00
646	10301	CHANNELIZING LINE, 8", AS PER PLAN	FT		659	$ 4.00	$ -	$ 2,636.00	$ 2,636.00
646	10401	STOP LINE, AS PER PLAN	FT		64	$ 12.00	$ -	$ 768.00	$ 768.00
646	10501	CROSSWALK LINE, AS PER PLAN	FT		84	$ 10.00	$ -	$ 840.00	$ 840.00
646	10601	TRANSVERSE/DIAGONAL LINE (YELLOW), AS PER PLAN	FT		490	$ 7.00	$ -	$ 3,430.00	$ 3,430.00
646	10801	ISLAND MARKING, AS PER PLAN	SQ FT		56	$ 50.00	$ -	$ 2,800.00	$ 2,800.00
646	20001	RAILROAD SYMBOL MARKING, AS PER PLAN	EACH		2	$ 645.00	$ -	$ 1,290.00	$ 1,290.00
646	20301	LANE ARROW, AS PER PLAN	EACH		15	$ 150.00	$ -	$ 2,250.00	$ 2,250.00
									$ 21,048.00
		MAINTENANCE OF TRAFFIC							
411	10000	STABILIZED CRUSHED AGGREGATE	CU YD		1320	$ 43.00	$ -	$ 56,760.00	$ 56,760.00
614	11110	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	HOUR		40	$ 70.00	$ -	$ 2,800.00	$ 2,800.00
614	12420	DETOUR SIGNING	-		LUMP	$ 10,000.00	$ -	$ 10,000.00	$ 10,000.00
614	12500	REPLACEMENT SIGN	EACH		5	$ 200.00	$ -	$ 1,000.00	$ 1,000.00
614	12600	REPLACEMENT DRUM	EACH		10	$ 100.00	$ -	$ 1,000.00	$ 1,000.00
614	13000	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	CU YD		120	$ 150.00	$ -	$ 18,000.00	$ 18,000.00
614	22100	WORK ZONE EDGE LINE, CLASS I, 642 PAINT	MILE		1	$ 4,000.00	$ -	$ 4,000.00	$ 4,000.00
614	26200	WORK ZONE STOP LINE, CLASS I, 642 PAINT	FT		34	$ 4.00	$ -	$ 136.00	$ 136.00
614	27200	WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT	FT		168	$ 2.00	$ -	$ 336.00	$ 336.00
615	10000	ROADS FOR MAINTAINING TRAFFIC	-		LUMP	$ 15,000.00	$ -	$ 15,000.00	$ 15,000.00
616	10000	WATER	MGAL		12	$ 26.00	$ -	$ 312.00	$ 312.00
									$ 109,344.00
		ENVIRONMENTAL/REMEDIATION							
661	45011	DETENTION BASIN AGGREGATE, AS PER PLAN	CU YD		3	$ 150.00	$ -	$ 450.00	$ 450.00
661	20081	DECIDUOUS SHRUB, 4" HEIGHT, AS PER PLAN (DIAMOND WILLOW)	EACH		31	$ 200.00	$ -	$ 6,200.00	$ 6,200.00
661	20081	DECIDUOUS SHRUB, 4" HEIGHT, AS PER PLAN (RED-OISER DOGWOOD)	EACH		11	$ 200.00	$ -	$ 2,200.00	$ 2,200.00
661	40081	DECIDUOUS TREE, 2" CALIPER, AS PER PLAN (RED MAPLE)	EACH		3	$ 500.00	$ -	$ 1,500.00	$ 1,500.00
									$ 10,350.00
		STRUCTURE (CULVERT)							
509	10000	EPOXY COATED REINFORCING STEEL	POUND		7713	$ 1.50	$ -	$ 11,569.50	$ 11,569.50
511	46600	CLASS C CONCRETE, HEADWALL	CU YD		84	$ 550.00	$ -	$ 46,200.00	$ 46,200.00
512	33000	TYPE 2 WATERPROOFING	SQ YD		314	$ 18.50	$ -	$ 5,809.00	$ 5,809.00
516	13600	1" PREFORMED EXPANSION JOINT FILLER	SQ FT		65	$ 6.50	$ -	$ 422.50	$ 422.50
518	21200	POROUS BACKFILL WITH FILTER FABRIC	CU YD		33	$ 85.00	$ -	$ 2,805.00	$ 2,805.00

ITEM	ITEM EXT.	DESCRIPTION	UNIT	100% LOCAL	PROJECT	UNIT PRICE	100% LOCAL COST	PROJECT COST	TOTAL COST
518	40000	6" PERFORATED CORRUGATED PLASTIC PIPE	FT		61	$ 8.00	$ -	$ 488.00	$ 488.00
518	40010	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	FT		58	$ 11.50	$ -	$ 667.00	$ 667.00
							$ -		$ 67,061.00
		TRAFFIC SIGNALS GENERAL SUMMARY					$ -		
625	25400	CONDUIT, 2", 725.04	FT		157	$ 12.50	$ -	$ 1,962.50	$ 1,962.50
625	25500	CONDUIT, 3", 725.04	FT		177	$ 17.25	$ -	$ 3,053.25	$ 3,053.25
625	29000	TRENCH	FT		334	$ 5.25	$ -	$ 1,753.50	$ 1,753.50
625	30701	PULL BOX, 725.08, 18", AS PER PLAN	EACH		5	$ 700.00	$ -	$ 3,500.00	$ 3,500.00
625	30707	PULL BOX, 725.08, 24", AS PER PLAN	EACH		1	$ 825.00	$ -	$ 825.00	$ 825.00
625	31510	PULL BOX REMOVED	EACH		3	$ 135.00	$ -	$ 405.00	$ 405.00
625	32000	GROUND ROD	EACH		5	$ 155.00	$ -	$ 775.00	$ 775.00
625	38000	PLASTIC CAUTION TAPE	FT		334	$ 0.50	$ -	$ 167.00	$ 167.00
630	79101	SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN	EACH		3	$ 225.00	$ -	$ 675.00	$ 675.00
630	80100	SIGN, FLAT SHEET	SQ FT		36	$ 12.50	$ -	$ 450.00	$ 450.00
632	04013	VEHICULAR SIGNAL HEAD, LED, YELLOW, 3-SECTION, 12" LENS, 1-WAY, WITH BACKPLATE, AS PER PLAN	EACH		4	$ 675.00	$ -	$ 2,700.00	$ 2,700.00
632	04023	VEHICULAR SIGNAL HEAD, LED, YELLOW, 5-SECTION, 12" LENS, 1-WAY, WITH BACKPLATE, AS PER PLAN	EACH		2	$ 1,100.00	$ -	$ 2,200.00	$ 2,200.00
632	20721	PEDESTRIAN SIGNAL HEAD, LED, COUNTDOWN, TYPE D2, AS PER PLAN	EACH		2	$ 525.00	$ -	$ 1,050.00	$ 1,050.00
632	25000	COVERING OF VEHICULAR SIGNAL HEAD	EACH		6	$ 26.00	$ -	$ 156.00	$ 156.00
632	25010	COVERING OF PEDESTRIAN SIGNAL HEAD	EACH		2	$ 21.00	$ -	$ 42.00	$ 42.00
632	29000	PEDESTRIAN PUSHBUTTON	EACH		2	$ 180.00	$ -	$ 360.00	$ 360.00
632	28500	DETECTOR LOOP	EACH		5	$ 975.00	$ -	$ 4,875.00	$ 4,875.00
632	40300	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG	FT		456	$ 1.50	$ -	$ 684.00	$ 684.00
632	40500	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	FT		170	$ 1.70	$ -	$ 289.00	$ 289.00
632	40700	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	FT		471	$ 2.25	$ -	$ 1,059.75	$ 1,059.75
632	64010	SIGNAL SUPPORT FOUNDATION	EACH		2	$ 2,550.00	$ -	$ 5,100.00	$ 5,100.00
632	64020	PEDESTAL FOUNDATION	EACH		1	$ 710.00	$ -	$ 710.00	$ 710.00
632	85200	LOOP DETECTOR LEAD-IN CABLE	FT		1352	$ 1.50	$ -	$ 2,028.00	$ 2,028.00
632	88300	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG	FT		41	$ 3.00	$ -	$ 123.00	$ 123.00
632	70000	POWER SERVICE	EACH		1	$ 1,400.00	$ -	$ 1,400.00	$ 1,400.00
632	75209	SIGNAL SUPPORT, TYPE TC-12.30 DESIGN 7 POLE, WITH MAST ARMS TC-81.21 DESIGN 13 AND DESIGN 3, AS PER PLAN	EACH		1	$ 12,000.00	$ -	$ 12,000.00	$ 12,000.00
632	80103	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 1, AS PER PLAN	EACH		1	$ 5,500.00	$ -	$ 5,500.00	$ 5,500.00
632	89900	PEDESTAL, 8', TRANSFORMER BASE	EACH		1	$ 1,800.00	$ -	$ 1,800.00	$ 1,800.00
632	90191	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	EACH		1	$ 2,000.00	$ -	$ 2,000.00	$ 2,000.00
632	90400	SIGNALIZATION, MISC.: FOUNDATION TEST HOLE	EACH		2	$ 1,250.00	$ -	$ 2,500.00	$ 2,500.00
633	01581	CONTROLLER UNIT, TYPE TS2/A2, WITH CABINET, TYPE TS1, AS PER PLAN	EACH		1	$ 13,500.00	$ -	$ 13,500.00	$ 13,500.00
633	67000	CABINET RISER	EACH		1	$ 500.00	$ -	$ 500.00	$ 500.00
633	67100	CABINET FOUNDATION	EACH		1	$ 1,375.00	$ -	$ 1,375.00	$ 1,375.00
633	67200	CONTROLLER WORK PAD	EACH		1	$ 250.00	$ -	$ 250.00	$ 250.00
633	67301	PREEMPTION, AS PER PLAN	EACH		1	$ 7,750.00	$ -	$ 7,750.00	$ 7,750.00
633	67311	PREEMPTION RECEIVING UNIT, AS PER PLAN	EACH		3	$ 650.00	$ -	$ 1,950.00	$ 1,950.00
633	67321	PREEMPTION DETECTION CABLE, AS PER PLAN	EACH		456	$ 1.75	$ -	$ 798.00	$ 798.00
633	67351	PREEMPTION PHASE SELECTOR, AS PER PLAN	EACH		3	$ 3,200.00	$ -	$ 9,600.00	$ 9,600.00
633	67401	PREEMPTION CONFIRMATION LIGHT, AS PER PLAN	EACH		3	$ 300.00	$ -	$ 900.00	$ 900.00
815	30001	SPREAD SPECTRUM RADIO, AS PER PLAN	EACH		1	$ 4,100.00	$ -	$ 4,100.00	$ 4,100.00
									$ 100,866.00
								SUBTOTAL	$ 3,357,913.00
		MISCELLANEOUS							
614	11000	MAINTAINING TRAFFIC	-		LUMP	$ 75,000.00	$ -	$ 75,000.00	$ 75,000.00

ITEM	ITEM EXT.	DESCRIPTION	UNIT.	100% LOCAL	PROJECT	UNIT PRICE	100% LOCAL COST	PROJECT COST	TOTAL COST
619	16010	FIELD OFFICE, TYPE B	MONTH		9	$ 1,500.00		$ 13,500.00	$ 13,500.00
623	10000	CONSTRUCTION LAYOUT STAKES	"		LUMP	$ 25,000.00		$ 25,000.00	$ 25,000.00
624	10000	MOBILIZATION	"		LUMP	$ 100,000.00		$ 100,000.00	$ 100,000.00
103	06000	PREMIUM FOR CONTRACT PERFORMANCE BOND, PAYMENT BOND AND MAINTENANCE BOND			LUMP	$ 40,000.00		$ 40,000.00	$ 40,000.00
						TOTAL BY COST PARTICIPATION	$ 342,654.00	$ 3,268,759.00	
								GRAND TOTAL ESTIMATED	$ 3,611,413.00

Note: The costs shown in this estimate represent an estimate of probable construction costs prepared in good faith and with reasonable care. HNTB has no control over the costs of construction labor, materials, or equipment, nor over competitive bidding or negotiating methods and does not make any commitment or assume any duty to assure that bids or negotiated prices will not vary from this estimate.

STATE OF OHIO
JERRY F. MILLS
E – 59276
REGISTERED
PROFESSIONAL ENGINEER

Jerry F. Mills
1/21/15