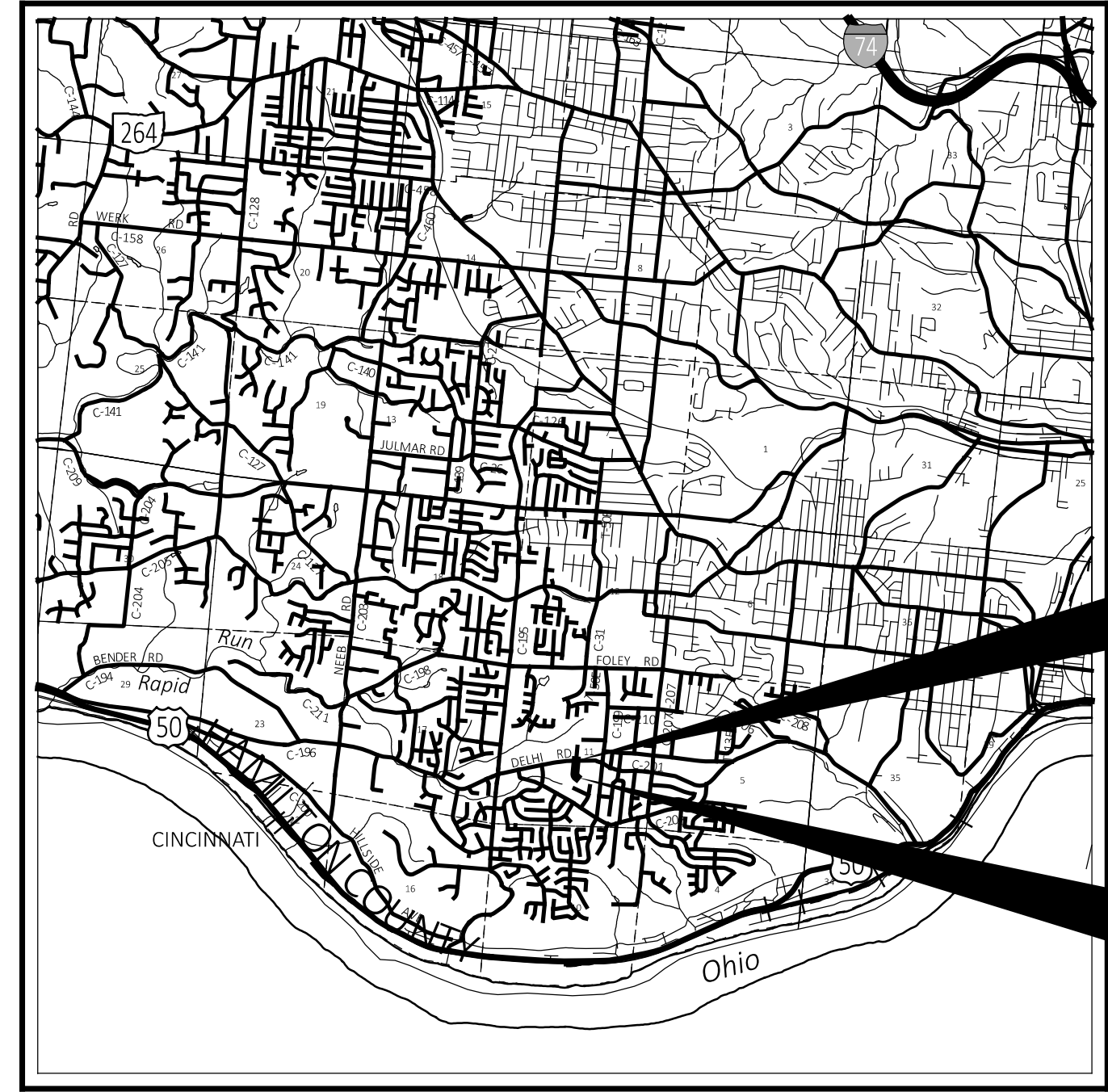


STATE OF OHIO DEPARTMENT OF TRANSPORTATION

HAM-CR196-1.89

DELHI TOWNSHIP
HAMILTON COUNTY



LOCATION MAP

LATITUDE: 39°05'42" LONGITUDE: -84°36'32"

PORTION TO BE IMPROVED	-----
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	=====
STATE ROUTES	=====
COUNTY & TOWNSHIP ROADS	=====
OTHER ROADS	-----

DESIGN DESIGNATION

	DELHI ROAD	KLEMME DRIVE
CURRENT ADT (2026)	15,520	76
DESIGN YEAR ADT (2046)	17,000	84
DESIGN HOURLY VOLUME (2046)	1,700	8
DIRECTIONAL DISTRIBUTION	0.51	0.50
TRUCKS (24 HOUR B&C)	1%	0.5%
DESIGN SPEED	35	25
LEGAL SPEED	35	25
DESIGN FUNCTIONAL CLASSIFICATION:	URBAN MINOR ARTERIAL	URBAN LOCAL
NHS PROJECT	NO	

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OHIO811.org
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

ENGINEER'S SEAL

PLAN PREPARED BY:
TEC ENGINEERING, INC.
7288 CENTRAL PARKE BLVD,
MASON, OH 54040

INDEX OF SHEETS:

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STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-4.1	7/19/13	MT-95.31	7/18/25	TC-12.31	1/16/26	800	1/16/26
BP-5.1	1/16/26	MT-97.10	7/18/25	TC-21.21	7/18/25	809	1/16/26
BP-7.1	1/16/26	MT-101.90	7/17/20	TC-41.20	10/18/13	813	7/21/23
		MT-105.10	1/17/20	TC-41.30	4/21/23	832	7/18/25
CB-3A	1/16/26	MT-110.10	7/19/13	TC-41.40	1/16/26	870	7/18/25
MH-3	7/19/24			TC-42.20	10/18/13	909	1/16/26
DM-1.1	1/17/25	HL-10.11	1/16/26	TC-52.10	10/18/13	913	4/16/21
DM-4.3	1/15/16	HL-10.12	1/16/26	TC-52.20	1/15/21		
DM-4.4	1/15/16	HL-30.11	1/16/26	TC-71.10	1/16/26		
		HL-40.10	1/16/26	TC-74.10	1/16/26		
		HL-60.11	7/21/17	TC-81.22	1/16/26		
				TC-83.10	1/16/26		
				TC-83.20	1/16/26		
				TC-83.30	1/16/26		
				TC-85.10	1/16/26		
				TC-85.20	4/21/23		

SCD added

FEDERAL PROJECT NUMBER

E250067

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT INCLUDES A WIDENED APPROACH OF KLEMME DR SOUTH OF DELHI PIKE AND TRAFFIC SIGNAL REBUILDS AT DELHI PIKE/KLEMME DR AND DELHI PIKE/DELHI TOWNE SQUARE.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	0.309 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.125 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY EXCEPT AS NOTED ON SHEET 06, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

Douglas A. Gruver
Douglas A. Gruver, P.E.
District 08 Deputy Director

Pamela Boratyn
Pamela Boratyn
Director, Department of Transportation

DESIGN AGENCY

DESIGNER
JMD

REVIEWER
KLL 03/20/26

PROJECT ID
119070

SHEET TOTAL
01 47

ITEM 614 - MAINTAINING TRAFFIC

THE CONTRACTOR SHALL MAINTAIN ONLY LOCAL ACCESS ALONG KLEMME DRIVE TO ALLOW FOR ACCESS TO THE SINGLE RESIDENTIAL DRIVEWAY (4995 DELHI PK) BY USE OF TEMPORARY PAVEMENT. THE CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER TO DETERMINE WHEN FULL CLOSURES CAN OCCUR. THROUGH TRAFFIC ALONG KLEMME IS NOT REQUIRED TO BE MAINTAINED. ALL OTHER RESIDENTIAL DRIVEWAYS, BESIDES 4995 DELHI PK, HAVE BEEN REMOVED AS PART OF THE SETON ATHLETIC COMPLEX REDEVELOPMENT.

THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC ALONG DELHI PIKE THROUGHOUT THE ENTIRETY OF THE PROJECT.

WORK IS NOT PERMITTED TO START ON THE PROJECT UNTIL APRIL 1, 2027. ALL WORK SHALL BE COMPLETED BY OCTOBER 1, 2027. IF WORK IS NOT COMPLETED BY THIS DATE, LIQUIDATED DAMAGED IN ACCORDANCE WITH C&MS 108.07 WILL BE ASSESSED.

THE CONTRACTOR WILL ADVISE THE TOWNSHIP TWENTY-ONE (21) DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. BEFORE THE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE TOWNSHIP THE NAMES AND TELEPHONE NUMBERS OF PERSONS THAT CAN BE REACHED 24 HOURS A DAY.

TRAFFIC IS TO BE MAINTAINED IN A UNIFORM PATTERN THROUGHOUT ALL LANE SHIFTS.

THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE STRUCTURES WITHIN THE WORK AREA TO PROMOTE POSITIVE FLOW THROUGHOUT THE CONSTRUCTION PROJECT.

ALL AFFECTED UTILITIES SHALL BE PROTECTED OR RELOCATED PRIOR TO THE BEGINNING OF CONSTRUCTION FOR THIS PROJECT.

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN DURING THE FOLLOWING HOLIDAYS OR EVENTS:

Table with 2 columns: HOLIDAY, OBSERVED DATE. Includes New Year's, Christmas, Labor Day, Memorial Day, Thanksgiving, and General/Regular Election Day (Nov).

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR SPECIAL EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

Table with 2 columns: DAY OF HOLIDAY OR SPECIAL EVENT, TIME ALL LANES MUST BE OPEN TO TRAFFIC. Lists days from Sunday to Saturday with corresponding traffic times.

DURING THE SAME PERIODS, MAINTAIN PEDESTRIAN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION UTILIZING THE EXISTING OR NEW WALK.

NEWLY CONSTRUCTED LANE ADDITIONS, ONCE COMPLETED AND INITIALLY OPENED TO TRAFFIC, SHALL BE OPEN TO TRAFFIC DURING ALL SUBSEQUENT DESIGNATED HOLIDAYS AND SPECIAL EVENTS, AND RELATED PERIODS OF TIME, SPECIFIED ABOVE.

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN DRIVEWAY AND SIDE STREET TRAFFIC THROUGH THE AREAS UNDER CONSTRUCTION. THE CONTRACTOR WILL BE PERMITTED TO CLOSE PAVED AREAS TO TRAFFIC FOR A MINIMUM PERIOD OF TIME, CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR THE PROTECTION OF COMPLETED ASPHALT CONCRETE PAVEMENT. THIS MAY REQUIRE THE CONTRACTOR TO UNDERTAKE SUCH MEASURES SUCH AS PART-WIDTH CONSTRUCTION OR THE PLACEMENT OF TEMPORARY MATERIAL TO MAINTAIN DRIVE ACCESS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIAL SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614 - MAINTAINING TRAFFIC.

AN ESTIMATE FOR TEMPORARY PAVEMENT HAS BEEN CARRIED TO THE GENERAL SUMMARY. THIS ITEM MAY BE NON-PERFORMED AS DIRECTED BY THE ENGINEER.

Table with 2 columns: ITEM, SY. Lists Item 615 Pavement and Item 615 Roads for Maintaining Traffic.

MAINTENANCE OF TRAFFIC SIGNAL/INTERSECTION CONTROL BEACON INSTALLATION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC SIGNALS AND INTERSECTION CONTROL BEACONS INSTALLATIONS WITHIN THE PROJECT UNDER THE FOLLOWING CONDITIONS:

1. EXISTING SIGNAL/INTERSECTION CONTROL BEACON INSTALLATIONS WHICH THE PLANS REQUIRE THE CONTRACTOR TO ADJUST, MODIFY, ADD ONTO OR REMOVE, OR WHICH THE CONTRACTOR ACTUALLY ADJUSTS, MODIFIES OR OTHERWISE DISTURBS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENTIRE INSTALLATION (AT AN INTERSECTION) FROM THE TIME HIS OPERATIONS FIRST DISTURB THE INSTALLATION UNTIL THE INSTALLATION HAS BEEN SUBSEQUENTLY REMOVED OR MODIFIED AND THE WORK IS ACCEPTED.

2. NEW OR REUSED SIGNAL/INTERSECTION CONTROL BEACON INSTALLATIONS OR DEVICES, INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THESE FROM THE TIME OF INSTALLATION UNTIL THE WORK IS ACCEPTED.

THE CONTRACTOR SHALL CORRECT WITHIN TWO HOURS OF NOTIFICATION ALL OUTAGES OR MALFUNCTIONS. HE SHALL PROVIDE THE MAINTAINING AGENCY AND THE ENGINEER SUCH ADDRESSES AND PHONE NUMBERS WHERE HIS MAINTENANCE FORCES CAN BE CONTACTED. THE CONTRACTOR SHALL PROVIDE ONE OR MORE PERSONS TO RECEIVE ALL CALLS AND DISPATCH THE NECESSARY MAINTENANCE FORCES TO CORRECT OUTAGES. SUCH A PERSON OR PERSONS MAY BE USED TO PERFORM OTHER DUTIES AS LONG AS PROMPT ATTENTION IS GIVEN TO THESE CALLS AND A PERSON IS READILY AVAILABLE CONTINUOUSLY 24 HOURS A DAY, 7 DAYS A WEEK. ALL LAMP OUTAGES, CABLE OUTAGES, ELECTRICAL FAILURES, EQUIPMENT MALFUNCTIONS AND MISALIGNED SIGNAL HEADS SHALL BE CORRECTED TO THE SATISFACTION OF THE ENGINEER WITH THE SIGNAL BACK TO SERVICE WITHIN TWO HOURS AFTER THE CONTRACTOR HAS BEEN NOTIFIED OF THE OUTAGE.

IN THE EVENT NEW SIGNALS ARE DAMAGED PRIOR TO ACCEPTANCE, ALL DAMAGED EQUIPMENT EXCEPT POLES AND CONTROL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER WITH THE SIGNAL BACK IN SERVICE WITHIN 8 HOURS AFTER THE CONTRACTOR'S NOTIFICATION OF THE OUTAGE. THE CONTRACTOR SHALL ARRANGE FOR FULL TRAFFIC CONTROL UNTIL THE SIGNAL IS BACK IN OPERATION.

IF POLES AND/OR CONTROL EQUIPMENT ARE DAMAGED AND MUST BE REPLACED, THE CONTRACTOR SHALL MAKE TEMPORARY REPAIRS AS NECESSARY TO BRING THE SIGNAL BACK INTO FULL OPERATION WITHIN THE ALLOWED 8-HOUR PERIOD, AND SHALL MAKE PERMANENT REPAIRS OR REPLACEMENT AS SOON THEREAFTER AS POSSIBLE.

NONE OF THE ABOVE SHALL BE CONSTRUED AS COLLECTIVE OR CONSECUTIVE OUTAGE TIME PERIODS AT ANY ONE LOCATION. THAT IS, WHERE MORE THAN ONE OUTAGE OCCURS AT ANY ONE LOCATION THEN THE ALLOTTED TIME LIMIT SHALL BE FOR THE WORST SINGLE OUTAGE.

WHERE OUTAGES ARE THE DIRECT RESULT OF A VEHICLE CRASH THE RESPONSE OF THE CONTRACTOR SHALL BE AS OUTLINED ABOVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTION OF ANY COMPENSATION FOR THIS WORK FROM THOSE PARTIES RESPONSIBLE FOR THE DAMAGE.

WHERE THE CONTRACTOR HAS FAILED TO, OR CANNOT RESPOND TO, AN OUTAGE OR SIGNAL EQUIPMENT MALFUNCTION, AT THESE LOCATIONS WITHIN HIS RESPONSIBILITY, WITHIN PERIODS AS SPECIFIED ABOVE, THE ENGINEER MAY INVOKE THE PROVISIONS OF SECTION 105.15 AND ANY SUBSEQUENT BILLINGS TO THE STATE OR DELHI TOWNSHIP FOR POLICE SERVICES AND MAINTENANCE SERVICES BY TOWNSHIP FORCES SHALL BE DEDUCTED FROM MONIES DUE OR TO BECOME DUE THE CONTRACTOR IN ACCORDANCE WITH PROVISIONS OF SECTION 105.15.

THE CONTRACTOR SHALL PROVIDE THE MAINTENANCE SERVICE ENTIRELY WITH HIS FORCES OR HE MAY CHOOSE TO ENTER INTO A COOPERATIVE UNDERSTANDING WITH THE LOCAL MAINTAINING AGENCY TO PROVIDE THE MAINTENANCE. THE CONTRACTOR SHALL INFORM THE ENGINEER, IN WRITING, OF THE MAINTENANCE METHOD SELECTED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY TRAFFIC SIGNAL COMPONENTS REQUIRED TO BE HANDLED DURING THE RELOCATION OF POLES AND REVISIONS TO THE SIGNAL SYSTEM. WHEN A TRAFFIC SIGNAL MUST BE TAKEN OUT OF SERVICE BY THE CONTRACTOR, DUE TO CONSTRUCTION PROCEDURES, THIS OUTAGE SHALL NOT EXCEED 2 HOURS AND SHALL NOT INCLUDE THE HOURS OF 7AM TO 7PM. ANY SIGNALIZED INTERSECTION, WHERE THE SIGNAL IS OUT OF SERVICE DUE TO CONSTRUCTION PROCEDURES, OR DUE TO AN OUTAGE OR MALFUNCTION OF EQUIPMENT AS DESCRIBED ABOVE, SHALL BE PROTECTED, BY THE CONTRACTOR, BY THE INSTALLATION OF TEMPORARY "STOP" SIGNS, EXCEPT FOR THE FOLLOWING INTERSECTIONS WHICH SHALL BE PROTECTED BY OFF-DUTY DELHI TOWNSHIP POLICE, HIRED BY THE CONTRACTOR:

- 1. DELHI PIKE & DELHI TOWNE SQUARE
2. DELHI PIKE & KLEMME DRIVE/DELHI

Items added

MAINTENANCE OF TRAFFIC SIGNAL/INTERSECTION CONTROL BEACON INSTALLATION (CONTINUED)

ANY VEHICULAR TRAFFIC SIGNAL HEAD, EITHER NEW OR EXISTING WHICH WILL BE OUT OF OPERATION SHALL BE COVERED IN THE MANNER DESCRIBED IN 632.25.

THE CONTRACTOR SHALL MAINTAIN COMPLETE RECORDS OF MALFUNCTIONS INCLUDING:

- 1. TIME OF NOTIFICATION OF MALFUNCTION;
2. TIME OF WORK CREWS ARRIVAL TO CORRECT THE MALFUNCTION;
3. ACTIONS TAKEN TO CORRECT THE MALFUNCTION, INCLUDING A LIST OF PARTS REPAIRED OR REPLACED;
4. A DIAGNOSIS OF REASON FOR THE MALFUNCTION AND PROBABILITY OF REOCCURRENCE;
5. TIME OF COMPLETION OF THE REPAIR AND SYSTEM RESTORED TO FULL SERVICE.

A COPY OF THESE RECORDS SHALL BE PROVIDED TO THE ENGINEER WITHIN THREE (3) WORKING DAYS FOLLOWING COMPLETION OF EACH REPAIR.

ALL COSTS RESULTING FROM THE ABOVE REQUIREMENTS SHALL BE CONSIDERED TO BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC.

IF THE CONTRACTOR FAILS TO MEET THE LIMITS OF OUTAGES AS NOTED IN THIS PLAN, THE CONTRACTOR WILL BE CHARGED A DISINCENTIVE OF \$100 PER HOUR FOR EACH HOUR THAT THE OUTAGE EXCEEDS THE LENGTH OF TIME AS NOTED ON THIS SHEET.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE ENGINEER.

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE

Table with 3 columns: ITEM, DURATION OF CLOSURE, NOTICE DUE TO PERMITS & PIO. Lists items like Ramp & Road Closures, Lane Closures & Restrictions, Changes, and Start of Construction & Traffic Pattern.

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE ENGINEER USING THE NOTIFICATION TIME TABLE.

LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW SHALL NOT BE PERMITTED AT PROJECT COST NOR TIME COMPENSATION. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

-DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

-DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).
-DURING PERIODS WHERE TRAFFIC NEEDS TO BE DIRECTED CONTRARY TO A TRAFFIC CONTROL DEVICE (FLAGGER, SIGN [E.G. STOP SIGN, STREET OR HIGHWAY SIGNS, ETC], SIGNAL OR OTHER DEVICE USED TO REGULATE, WARN OR GUIDE TRAFFIC). TRAFFIC IN THIS INSTANCE INCLUDES VEHICULAR, PEDESTRIAN AND/OR SHARED USE PATH USERS.

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES THAT MEET ALL OF THE CRITERIA LISTED BELOW: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

- CRITERIA
-ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY; AND,
-AN AUTHORIZED SPEED LIMIT OF 45 MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION; AND,
-AADT OF 50,000 (OR AADT OF 30,000 WITH 25% OR HIGHER PERCENT TRUCKS)

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION (OR AT THE POINT OF ROAD CLOSURE), AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS AND/OR IN CONTRARY TO OTHER TRAFFIC CONTROL DEVICES IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE THAT SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 16 HOURS
THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

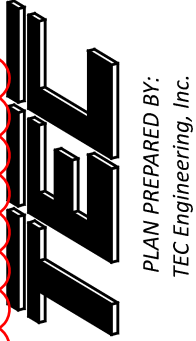
ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

Design Agency: TEL
Designer: JMD
Reviewer: KLL 03/20/26
Project ID: 119070
Sheet: 06 of 47

SHEET NUM.										PART.	ALT	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE
4	5	6	12	13	14	31	32	34	39	01/MPO/ DELH	(X)		EXT	TOTAL			SHEET
ROADWAY																	
LS										LS		201	11000	LS		CLEARING AND GRUBBING	4
			11							11		202	75000	11	FT	FENCE REMOVED	
			654							654		202	23000	654	SY	PAVEMENT REMOVED	
			1,661							1,661		202	30000	1,661	SF	WALK REMOVED	
			290							290		202	32000	290	FT	CURB REMOVED	
					291					291		202	35100	291	FT	PIPE REMOVED, 24" DIAMETER AND UNDER	
					1					1		202	58000	1	EACH	MANHOLE REMOVED	
370										370		203	10000	370	CY	EXCAVATION	
50	73									123		203	20000	123	CY	EMBANKMENT	
	15									15		203	35000	15	CY	GRANULAR EMBANKMENT	
					2					2		204	45000	2	hour	PROOF ROLLING	
					1,092					1,092		204	50000	1,092	SY	GEOTEXTILE FABRIC	
					1,099					1,099		204	10000	1,099	SY	SUBGRADE COMPACTION	
	140									140		517	76300	140	FT	RAILING, MISC.: DECORATIVE RAILING	5
			3,166							3,166		608	12000	3,166	SF	5" CONCRETE WALK	
			690							690		608	52000	690	SF	CURB RAMP	
EROSION CONTROL																	
15										15		659	00300	15	CY	TOPSOIL	
140										140		659	10000	140	SY	SEEDING AND MULCHING	
0.02										0.02		659	20000	0.02	TON	COMMERCIAL FERTILIZER	
0.03										0.03		659	31000	0.03	ACRE	LIME	
0.8										0.8		659	35000	0.8	MGAL	WATER	
0.3										0.3		659	40000	0.3	MSF	MOWING	
										5,000		832	30000	5,000	EACH	EROSION CONTROL	
DRAINAGE																	
					642					642		605	11110	642	FT	6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	
					68					68		611	00510	68	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
					229					229		611	07400	229	FT	18" CONDUIT, TYPE B	
			1							1		611	98630	1	EACH	CATCH BASIN ADJUSTED TO GRADE	
					49					49		611	04400	49	FT	12" CONDUIT, TYPE B	
					2					2		611	98180	2	EACH	CATCH BASIN, NO. 3A	
					2					2		611	99574	2	EACH	MANHOLE, NO. 3	
PAVEMENT																	
					256					256		301	56000	256	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
					200					200		304	20000	200	CY	AGGREGATE BASE	
					100					100		407	20000	100	GAL	NON-TRACKING TACK COAT	
					44					44		441	70000	44	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
					43					43		441	70200	43	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449)	
					553					553		609	26000	553	FT	CURB, TYPE 6	
WATER WORK																	
			1							1		SPECIAL	69098000	1	EACH	ADJUST EXISTING VALVE CHAMBER TO GRADE	30
			1							1		SPECIAL	69098000	1	EACH	FURNISHING AND INSTALLING 6" PLUG IN EXISTING WATER MAIN AND FITTING	30
			1							1		SPECIAL	69098000	1	EACH	REMOVING EXISTING MANHOLE CURB AND COVER	30
			1							1		SPECIAL	69098000	1	EACH	REMOVING EXISTING VALVE BOX	30
			1							1		SPECIAL	69098000	1	EACH	REMOVING FIRE HYDRANT	30
OTHER UTILITIES																	
			3							3		611	99654	3	EACH	MANHOLE ADJUSTED TO GRADE	
			4							4		SPECIAL	61199700	4	EACH	GAS VALVE BOX ADJUSTED TO GRADE	


GCWW items added

GENERAL SUMMARY

DESIGN AGENCY

 PLAN PREPARED BY:
 TEC Engineering, Inc.
 7288 Central Parke Blvd.
 Mason, OH 45040
 DESIGNER
 JMD
 REVIEWER
 KLL 03/20/26
 PROJECT ID
 119070
 SHEET TOTAL
 09 47

SHEET NUM.										PART.	ALT	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
5	6	12	13	14	31	32	34	39	44	01/MPO/DELH	(X)	EXT	TOTAL				
TRAFFIC SIGNALS ALTERNATES																	
								6	6	12	X	632	20750	12	EACH	ACCESSIBLE PEDESTRIAN PUSHBUTTON, (ALTERNATE 1)	
								6	6	12	X	632	20750	12	EACH	ACCESSIBLE PEDESTRIAN PUSHBUTTON, (POLARA) (ALTERNATE 2)	36
								1	1	2	X	633	45000	2	EACH	GPS (GLOBAL POSITIONING SYSTEM) CLOCK ASSEMBLY, (ALTERNATE 1)	
								1	1	2	X	633	45000	2	EACH	GPS (GLOBAL POSITIONING SYSTEM) CLOCK ASSEMBLY, (Q-FREE) (ALTERNATE 2)	37
								1	1	2	X	633	75001	2	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN, (ALPHA) (ALTERNATE 2)	37
								1	1	2	X	633	75001	2	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN, (ALTERNATE 1)	37
								4	4	8	X	809	69101	8	EACH	STOP LINE RADAR DETECTION, AS PER PLAN, (ALTERNATE 1)	37
								4	4	8	X	809	69101	8	EACH	STOP LINE RADAR DETECTION, AS PER PLAN, (WAVETRONIX) (ALTERNATE 2)	37
								1	1	2	X	809	69123	2	EACH	ATC CONTROLLER, AS PER PLAN, (ALTERNATE 1)	37
								1	1	2	X	809	69123	2	EACH	ATC CONTROLLER, AS PER PLAN, (INTELIGHT) (ALTERNATE 2)	37
RETAINING WALLS																	
75										75		512	10100	75	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
25										25		516	31000	25	FT	JOINT SEALER	
20										20		518	21200	20	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
538										538		870	10001	538	SF	PREFABRICATED MODULAR RETAINING WALL, AS PER PLAN	5
33										33		870	11000	33	CY	WALL EXCAVATION	
7										7		870	11100	7	CY	NATURAL SOIL	
140										140		870	12000	140	FT	6" DRAINAGE PIPE, PERFORATED	
12										12		870	12100	12	FT	6" DRAINAGE PIPE, NON-PERFORATED	
140										140		870	12500	140	FT	CONCRETE COPING	
2										2		870	14000	2	DAY	ON-SITE ASSISTANCE	
LS										LS		870	15000	LS		PMRW INSPECTION AND COMPACTION TESTING	
MAINTENANCE OF TRAFFIC																	
	16									16		614	11110	16	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	6
	LS							1		1		SPECIAL	61411300	1	EACH	WORK ZONE TRAFFIC SIGNAL	7
	LS									LS		614	18002	LS		MAINTAINING TRAFFIC, MISC.: TEMPORARY SIGNAL VEHICLE DETECTION AND MAINTENANCE	6
	LS									LS		615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	
	220									220		615	25000	220	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B	6
INCIDENTALS																	
	LS									LS		614	11000	LS		MAINTAINING TRAFFIC	6
										LS		623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	Items added
										LS		624	10000	LS		MOBILIZATION	

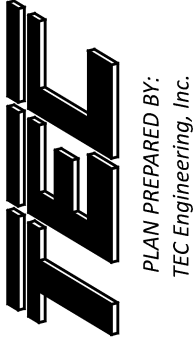
GENERAL SUMMARY

DESIGN AGENCY

 PLAN PREPARED BY:
 TEL Engineering, Inc.
 7288 Central Parke Blvd.
 Mason, OH 45040
 DESIGNER
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 REVIEWER
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REF NO.	SHEET NO.	STATION TO STATION	202	202	202	202					608	608		611	611	SPECIAL		SPECIAL	SPECIAL	SPECIAL	SPECIAL	SPECIAL
			PAVEMENT REMOVED SY	WALK REMOVED SF	CURB REMOVED FT	FENCE REMOVED FT						5" CONCRETE WALK SF	CURB RAMP SF		MANHOLE ADJUSTED TO GRADE EACH	CATCH BASIN ADJUSTED TO GRADE EACH	GAS VALVE BOX ADJUSTED TO GRADE EACH		REMOVING FIRE HYDRANT EACH	FURNISHING AND INSTALLING 6" PLUG IN EXISTING WATER MAIN AND FITTING EACH	REMOVING EXISTING MANHOLE CURB AND COVER EACH	REMOVING EXISTING VALVE BOX EACH
	16	KLEMME DRIVE	556	985	177	11					1869	495										
	15	DELHI TOWNE SQUARE	98	676	113						1297	195										
	30	GCWW Plans																1	1	1	1	1
MH3	15	3+80.05												1								
MH3	15	4+79.28												1								
CB3	15	4+80.82													1							
MH1D	16	2+92.00												1								
GSS	16	3+16.00														1						
GV	16	3+35.00														1						
FH	16	3+59.00																				
GV	16	4+67.00														1						
GV	16	4+88.00														1						
WMH	16	5+09.00														1						
TOTALS CARRIED TO GENERAL SUMMARY			654	1661	290	11					3166	690		3	1	4		1	1	1	1	1

GCWW items added and lump sum water works item removed

ROADWAY SUB SUMMARY

DESIGN AGENCY

 PLAN PREPARED BY:
 TEC Engineering, Inc.
 7288 Central Parke Blvd.
 Mason, OH 45040

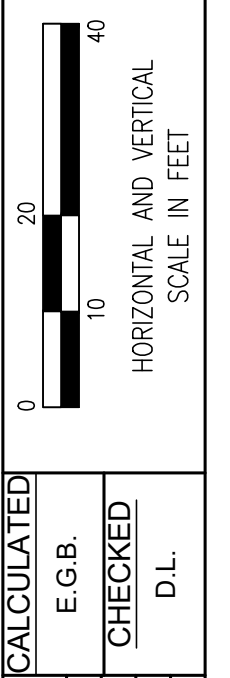
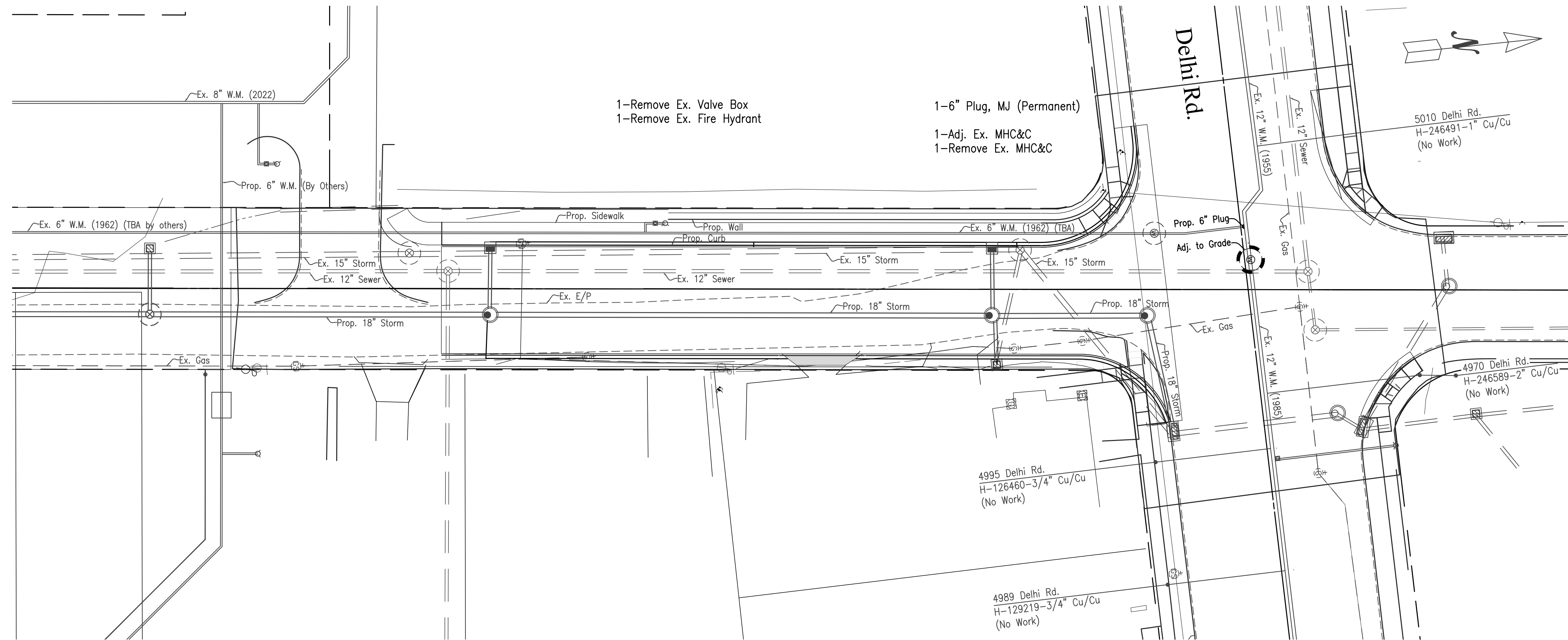
DESIGNER
JMD

REVIEWER
 KLL 03/20/26

PROJECT ID
119070

SHEET TOTAL
 12 47

Klemme Dr.



REVISIONS	CALCULATED	E.G.B.	CHECKED	D.L.

GREATER CINCINNATI
WATER WORKS
 ENGINEERING DIVISION / DESIGN SECTION
 3845 EASTERN AVENUE, CINCINNATI, OHIO 45226

KLEMMER DR. PLAN

DS-0994
MF-17105

02
02

KLEMMER DR. RECONSTRUCTION

- ITEM SPECIAL - ADJUST EXISTING VALVE CHAMBER TO GRADE
WORK FOR THIS ITEM SHALL COMPLY WITH ALL APPICABLE SPECIFICATIONS AND STANDARDS OF THE GREATER CINCINNATI WATER WORKS SPEC 604.
- ITEM SPECIAL - FURNISHING AND INSTALLING 6" PLUG IN EXISTING WATER MAIN AND FITTING
WORK FOR THIS ITEM SHALL COMPLY WITH ALL APPICABLE SPECIFICATIONS AND STANDARDS OF THE GREATER CINCINNATI WATER WORKS SPEC 1105.
- ITEM SPECIAL - REMOVING EXISTING MANHOLE CURB AND COVER
WORK FOR THIS ITEM SHALL COMPLY WITH ALL APPICABLE SPECIFICATIONS AND STANDARDS OF THE GREATER CINCINNATI WATER WORKS SPEC 1122.
- ITEM SPECIAL - REMOVING EXISTING VALVE BOX
WORK FOR THIS ITEM SHALL COMPLY WITH ALL APPICABLE SPECIFICATIONS AND STANDARDS OF THE GREATER CINCINNATI WATER WORKS SPEC 1122.
- ITEM SPECIAL - REMOVING FIRE HYDRANT
WORK FOR THIS ITEM SHALL COMPLY WITH ALL APPICABLE SPECIFICATIONS AND STANDARDS OF THE GREATER CINCINNATI WATER WORKS SPEC 1114.

NOTE ADDED

NOTICE OF CONFIDENTIALITY - PUBLIC INFRASTRUCTURE RECORD

THIS DOCUMENT IS A PUBLIC INFRASTRUCTURE RECORD OF THE CITY OF CINCINNATI AND ITS GREATER CINCINNATI WATER WORKS, AND IS NOT SUBJECT TO THE PUBLIC DISCLOSURE REQUIREMENTS OF THE PUBLIC RECORDS LAWS OF THE STATE OF OHIO AND FEDERAL GOVERNMENT. THIS DOCUMENT IS BEING PROVIDED ON THE BASIS OF YOUR REPORTED NEED, AND SHALL BE CONSIDERED CONFIDENTIAL. BY ACCEPTING THIS DOCUMENT, YOU AGREE THAT IT WILL NOT BE SHARED OR OTHERWISE DISCLOSED TO ANYONE OTHER THAN PERSONS WHO HAVE A DIRECT NEED TO KNOW FOR THE SOLE PURPOSE OF CARRYING OUT THE PROJECT FOR WHICH THIS DOCUMENT WAS OBTAINED. ANYONE RECEIVING THIS DOCUMENT IS BOUND BY THE SAME CONFIDENTIALITY REQUIREMENTS AND MUST TAKE PRECAUTIONS TO PROTECT AGAINST ITS DISSEMINATION.

THE FAILURE TO OBSERVE THE CONFIDENTIALITY REQUIREMENTS OF THIS NOTICE SHALL SERVE AS THE BASIS FOR THE CITY OF CINCINNATI TO IMMEDIATELY SEEK LEGAL RECOURSE, INCLUDING THE RECOVERY OF ACTUAL DAMAGES RESULTING FROM UNAUTHORIZED ACCESS OR DISCLOSURE OF THE DOCUMENT.