

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

CLE-SR 125-5.13

FEDERAL PROJECT NUMBER

E200666

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT WILL REPAIR AND RESURFACE CLE-125 THROUGH THE FORMER VILLAGE OF AMELIA. THE PROJECT WILL INCLUDE CATCH BASIN REPAIRS, CONDUIT REPAIRS, CURB RAMPS, CURBS, RESURFACING, AND PAVEMENT REPAIRS.

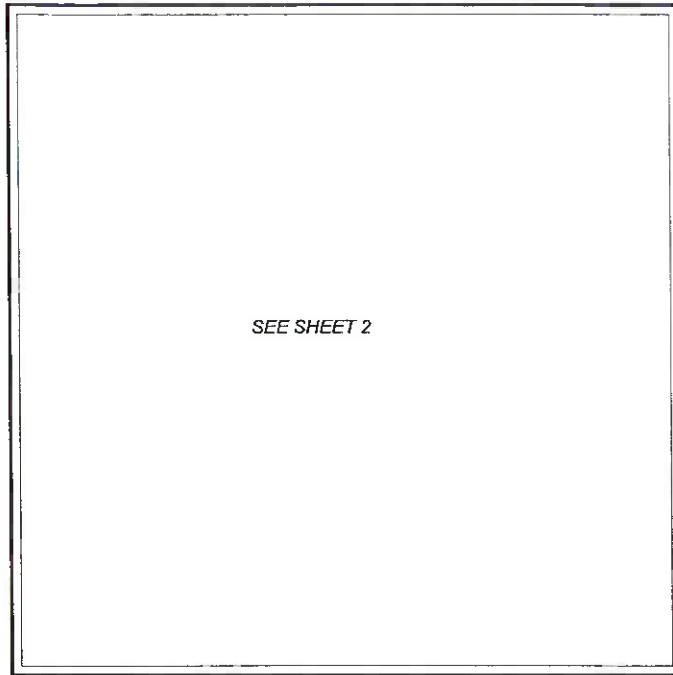
EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 0.337 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: **NOI NOT REQUIRED MAINTENANCE PROJECT**

2019 SPECIFICATIONS

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

I HEARBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY WILL BE AS SET FORTH ON THE PLANS AND ESTIMATE.



SEE SHEET 2

LOCATION MAP

LATITUDE: 39°26'40" LONGITUDE: -84°16'43"



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

DESIGN DESIGNATION

	3.35-5.09	5.09-5.89	5.89-6.99	6.99-7.31	7.31-8.89	8.89-9.11	9.11-10.35
CURRENT ADT (2022)	26,500	28,000	23,500	20,500	16,500	23,000	22,500
DESIGN YEAR ADT (2034)	27,000	28,500	24,000	21,000	16,500	27,500	25,500
DESIGN HOURLY VOLUME (2034)	2,700	2,600	2,200	2,100	1,600	2,800	2,600
DIRECTIONAL DISTRIBUTION	60%	57%	54%	55%	59%	61%	63%
TRUCKS (24 HOUR B&C)	7.0%	8.0%	9.0%	7.0%	8.0%	5.0%	6.0%
DESIGN SPEED	-----						
LEGAL SPEED	-----						
DESIGN FUNCTIONAL CLASSIFICATION:	03 PRINCIPAL ARTERIAL (URBAN)						
NHS PROJECT	----- YES						

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

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

PLAN PREPARED BY:
ODOT DISTRICT 8 ENGINEERING
505 S. STATE ROUTE 741
LEBANON, OHIO 45036

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ENGINEER'S SEAL:	STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
	BP-3.1	1/17/20	MT-95.32	4/19/19	800-2019	7/16/21
			MT-95.60	4/19/19	821	4/20/12
	CB-1.1	7/19/19	MT-95.61	4/19/19	832	10/19/18
	CB-2.1	1/15/21	MT-102.20	4/19/19	843	10/18/19
			MT-105.10	1/17/20	861	1/15/21
	DM-1.1	7/17/20			872	4/17/20
			TC-65.10	1/17/14	899	1/17/20
	MH-1.2	1/15/16	TC-65.11	7/21/17	809	4/16/21
			TC-71.10	1/19/18	807	7/16/21
	BP-4.1	7/19/13			850	4/16/21
	BP-5.1	1/18/19				
	BP-7.1	7/17/20				
	RM-1.1	1/15/21				
	MT-95.31	7/19/19				

SIGNED:
DATE: 7/6/2021

APPROVED:
DATE: 7/6/2021 DISTRICT DEPUTY DIRECTOR

APPROVED: _____
DATE: _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION

CLE-SR 125-5.13

MODEL: Sheet PAPER SIZE: 17x11 (in.) DATE: 7/6/2021 TIME: 9:34:04 AM USER: jday164
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TITLE SHEET

DESIGN AGENCY	
DESIGNER	JED
REVIEWER	JDO
PROJECT ID	112408
SHEET TOTAL	P.1 22

809 ADVANCE RADAR DETECTION, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING A WAVETRONIX SMARTSENSOR ADVANCE DETECTION UNIT (MODEL SS-200E). THE DETECTION UNIT SHALL INCLUDE THE FOLLOWING:

1. POWER SHALL BE PROVIDED FROM THE TRAFFIC CABINET.
2. ALL REQUIRED INPUTS CARDS SHALL BE INCLUDED IN THE TRAFFIC CABINET AND SHALL BE COMPATIBLE WITH CALTRANS, NEMA TS1 AND NEMA TS2 DETECTOR RACKS. THE CARDS SHALL PROVIDE TRUE PRESENCE DETECTOR CALLS OR CONTACT CLOSURE TO THE TRAFFIC CONTROLLER.
3. THE UNIT SHALL BE MOUNTED DIRECTLY TO A POLE OR MAST ARM, AS RECOMMENDED BY THE MANUFACTURER. CABLE(S) SHALL BE PROVIDED AS REQUIRED AND RECOMMENDED BY THE MANUFACTURER.
4. SURGE PROTECTION DEVICES, AS RECOMMENDED BY THE MANUFACTURER SHALL BE INCLUDED BOTH AT THE POLE WHERE THE UNIT IS LOCATED TO PROTECT THE UNIT AND IN THE TRAFFIC CABINET TO PROTECT THE CABINET ELECTRONICS.
5. THE MANUFACTURER'S REPRESENTATIVE SHALL BE ON SITE DURING INSTALLATION AND TESTING AND SHALL PROVIDE ONSITE TRAINING ON THE SETUP, OPERATION AND MAINTENANCE OF THE UNIT.
6. A SERIAL TO ETHERNET COMMUNICATIONS MODULE AND ETHERNET CABLE (MINIMUM 7 FEET).
7. THE POWER SUPPLY AND COMMUNICATION MODULES SHALL BE SECURED TO A SINGLE PANEL THAT CAN BE MOUNTED INTERIOR TO THE TRAFFIC CABINET. THE PANEL SHALL INCLUDE MODULAR-PLUG STYLE CONNECTIONS FOR UP TO FOUR (4) SENSOR CABLES. ADDITIONAL SENSORS MAY BE HARD-WIRED TO THE COMMUNICATION MODULES, AS NECESSARY.
8. THE CONTRACTOR SHALL INSTALL THE RADAR DETECTION PRIOR TO MILLING/DISABLING EXISTING LOOPS.
9. THE INSTALLATION SHALL INCLUDE ALL CONTROLLER PROGRAMMING FOR COMPLETE INSTALLATION, WHICH INCLUDES MODIFICATIONS FOR REMOVAL OF EXISTING DETECTION.
10. UNLASHING AND RELASHING OF THE SIGNAL SPAN TO INSTALL THE NECESSARY CABLING.
11. DISCONNECT ALL LOOP LEAD-IN CABLE AND REMOVE AND DISPOSE OF IT FROM ALL PULL BOXES, CONDUITS, AND THE CABINET AFTER IT IS CONFIRMED THAT THE RADAR UNITS ARE WORKING. EXISTING PULL BOXES AND CONDUITS SHALL REMAIN IN PLACE.

PAYMENT FOR ITEM 809 ADVANCE RADAR DETECTION, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH UNIT, COMPLETE AND IN PLACE INCLUDING ALL REQUIRED CABINET HARDWARE, MOUNTING BRACKETS, CABLES, CONDUIT, CONNECTIONS TESTED AND ACCEPTED, AND ANY OTHER NECESSARY HARDWARE TO ESTABLISH A FULLY FUNCTIONAL DETECTION SYSTEM.

SR 125 @ LORI LANE/HICKS LANE/KROGERS 2 EACH

809 STOP-LINE RADAR DETECTION, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING A WAVETRONIX SMARTSENSOR MATRIX DETECTION UNIT. THE DETECTION UNIT SHALL INCLUDE THE FOLLOWING:

1. POWER SHALL BE PROVIDED FROM THE TRAFFIC CABINET.
2. ALL REQUIRED INPUTS CARDS SHALL BE INCLUDED IN THE TRAFFIC CABINET AND SHALL BE COMPATIBLE WITH CALTRANS, NEMA TS1 AND NEMA TS2 DETECTOR RACKS. THE CARDS SHALL PROVIDE TRUE PRESENCE DETECTOR CALLS OR CONTACT CLOSURE TO THE TRAFFIC CONTROLLER.
3. THE UNIT SHALL BE MOUNTED DIRECTLY TO A POLE OR MAST ARM, AS RECOMMENDED BY THE MANUFACTURER. CABLE(S) SHALL BE PROVIDED AS REQUIRED AND RECOMMENDED BY THE MANUFACTURER.
4. SURGE PROTECTION DEVICES, AS RECOMMENDED BY THE MANUFACTURER SHALL BE INCLUDED BOTH AT THE POLE WHERE THE UNIT IS LOCATED TO PROTECT THE UNIT AND IN THE TRAFFIC CABINET TO PROTECT THE CABINET ELECTRONICS.
5. THE MANUFACTURER'S REPRESENTATIVE SHALL BE ON SITE DURING INSTALLATION AND TESTING AND SHALL PROVIDE ONSITE TRAINING ON THE SETUP, OPERATION AND MAINTENANCE OF THE UNIT.
6. A SERIAL TO ETHERNET COMMUNICATIONS MODULE AND ETHERNET CABLE (MINIMUM 7 FEET).
7. THE POWER SUPPLY AND COMMUNICATION MODULES SHALL BE SECURED TO A SINGLE PANEL THAT CAN BE MOUNTED INTERIOR TO THE TRAFFIC CABINET. THE PANEL SHALL INCLUDE MODULAR-PLUG STYLE CONNECTIONS FOR UP TO FOUR (4) SENSOR CABLES. ADDITIONAL SENSORS MAY BE HARD-WIRED TO THE COMMUNICATION MODULES, AS NECESSARY.
8. THE INSTALLATION SHALL INCLUDE ALL CONTROLLER PROGRAMMING FOR COMPLETE INSTALLATION, WHICH INCLUDES MODIFICATIONS FOR REMOVAL OF EXISTING DETECTION.
9. UNLASHING AND RELASHING OF THE SIGNAL SPAN TO INSTALL THE NECESSARY CABLING.
10. DISCONNECT ALL LOOP LEAD-IN CABLE AND REMOVE AND DISPOSE OF IT FROM ALL PULL BOXES, CONDUITS, AND THE CABINET AFTER IT IS CONFIRMED THAT THE RADAR UNITS ARE WORKING. EXISTING PULL BOXES AND CONDUITS SHALL REMAIN IN PLACE.

PAYMENT FOR ITEM 809 STOP-LINE RADAR DETECTION, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH UNIT, COMPLETE AND IN PLACE INCLUDING ALL REQUIRED CABINET HARDWARE, MOUNTING BRACKETS, CABLES, CONDUIT AND CONNECTIONS TESTED AND ACCEPTED.

SR 125 @ LORI LANE/HICKS LANE/KROGERS 4 EACH

632 LOOP DETECTOR

- SR 125 @ CHAPEL RD./OAK ST./JENNY LIND RD. 5 EACH
- SR 125 @ S. KLINE AVE 1 EACH
- SR 125 @ CECELIA DR./HUNTSMAN TRACE 6 EACH
- SR 125 @ WALMART/MARTIN DR. 1 EACH
- SR 125 @ MT. HOLLEY LINDALE RD. 6 EACH

632 LOOP DETECTOR TIE-IN

- SR 125 @ CHAPEL RD./OAK ST./JENNY LIND RD. 5 EACH
- SR 125 @ S. KLINE AVE 1 EACH
- SR 125 @ CECELIA DR./HUNTSMAN TRACE 6 EACH
- SR 125 @ WALMART/MARTIN DR. 1 EACH
- SR 125 @ MT. HOLLEY LINDALE RD. 6 EACH


ADA WAIVER

AN APPROVED ADA DESIGN WAIVER IS REQUIRED ON THIS PROJECT. THE FOLLOWING FEATURES LISTED BELOW CANNOT FEASIBLY BE CONSTRUCTED TO MEET ADA GUIDELINES.

ADA DESIGN WAIVER					
ADA FEATURE	APPROVAL DATE	SHEET NUMBERS			
CLE-125-6.747	RMP0007704	7/9/21	SHEET 20	CLEVELAND STREET	(SOUTH RAMP)
CLE-125-6.236	RMP0007705	7/9/21	SHEET 19	CHURCH STREET	(NORTH SIDE RAMP)
CLE-125-6.133	RMP0007706	7/9/21	SHEET 19	FLORAL AVE	(SOUTH SIDE RAMP)
CLE-125-6.740	RMP0007707	7/9/21	SHEET 20	CLEVELAND STREET	(NORTH RAMP)
CLE-125-6.095	RMP0007708	7/9/21	SHEET 19	HOPKINS AVE	(NORTH SIDE RAMP) NO PROPOSE WORK. JUST WAIVER
CLE-125-6.032	RMP0007709	7/9/21	SHEET 18	KLINE AVE	(SOUTH SIDE RAMP)

ALL CROSSWALKS SHALL BE UPGRADED TO HIGH VISIBILITY EXCEPT CROSSWALKS AT THE INTERSECTION OF WOODLANDS DR.

DESIGN AGENCY



DESIGNER
JED

REVIEWER
JDO

PROJECT ID
112408

SHEET TOTAL
P.4 | 22

ITEM 614, 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 WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMTCD, 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).

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMTCD, 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: 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).

FOR OPERATIONS WITHOUT POSITIVE PROTECTION OCCURRING WITHIN 10 FEET OF AN OPEN TRAVELED LANE THAT MEET ALL OF THE FOLLOWING 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)

"WITHOUT POSITIVE PROTECTION" MEANS USE OF DRUMS, CONES, SHADOW VEHICLE, ETC, WITHOUT PROTECTION FROM PORTABLE BARRIER OR OTHER RIGID BARRIER ALONG THE WORK AREA. THIS PHRASE DOES NOT APPLY TO CASES WHERE POSITIVE PROTECTION IS REQUIRED. MOBILE OPERATIONS ARE REGARDED AS "WITHOUT POSITIVE PROTECTION". FOR WORK ZONES USING A COMBINATION OF BARRIER AND TEMPORARY TRAFFIC CONTROL DEVICES (CONES, DRUMS, ETC), THE DESIGNATION SHALL BE BASED UPON THE TYPE OF DEVICES USED IN THE AREA THAT WORKERS ARE LOCATED.

IF MULTIPLE ACTIVE LOCALIZED QUALIFYING WORK AREAS OCCUR WITHOUT POSITIVE PROTECTION, PER MAINLINE TRAFFIC DIRECTION, PROVIDE A UNIFORMED LEO AND OFFICIAL PATROL CAR IN ADVANCE OF:

- THE FIRST ACTIVE WORK AREA THAT DRIVERS WILL ENCOUNTER; OR
 - THE ACTIVE WORK AREA LATERALLY CLOSEST TO THE OPEN TRAVELED LANE; OR
 - OTHER LOCATION AS APPROVED BY THE ENGINEER.
- THE UNIFORMED LEO AND OFFICIAL PATROL CAR MAY RELOCATE AMONG THE LISTED LOCATIONS AS APPROPRIATE AS THE OPERATIONS PROCEED IN THE LOCALIZED QUALIFYING WORK AREAS.

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 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 650 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 A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

DESIGN AGENCY



DESIGNER

WWH

REVIEWER

JDO MM-DD-YY

PROJECT ID

112408

SHEET TOTAL

P.5 A | 22



EXISTING STRUCTURE	
CRS	CLE-125-06.38
TYPE	CONCRETE
CFN	1845649
SIZE	12"
SKEW	0°
ALIGNMENT	TANGENT
DATE BUILT	1950
CONDITION	GOOD
LATITUDE	39.02561
LONGITUDE	-84.214153

EXISTING STRUCTURE	
CRS	CLE-125-06.41
TYPE	CONCRETE
CFN	1845650
SIZE	36"
SKEW	0°
ALIGNMENT	TANGENT
DATE BUILT	1950
CONDITION	VERY GOOD
LATITUDE	39.025151
LONGITUDE	-84.213794

EXISTING STRUCTURE	
CRS	CLE-125-06.43
TYPE	CONCRETE
CFN	1845651
SIZE	12"
SKEW	0°
ALIGNMENT	TANGENT
DATE BUILT	1950
CONDITION	GOOD
LATITUDE	39.025047
LONGITUDE	-84.213366

NOTES:

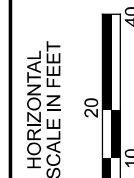
1. PRIOR TO REMOVING DRAINAGE STRUCTURES, CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING WATER MAIN AND EXISTING GAS MAIN.
2. WHERE CONDUIT IS TO BE REPLACED UNDER EXISTING ASPHALT PAVEMENT, AN ASPHALT REPAIR QUANTITY HAS BEEN INCLUDED AS 1 CY PER LOCATION. PAVEMENT SECTION IS TO MATCH EXISTING PAVEMENT SECTION.
3. WHERE CONDUIT IS TO BE CONNECTED TO EXISTING MANHOLE WITHIN AN EXISTING CONCRETE WALK, A CONCRETE WALK REMOVAL AND 4" CONCRETE WALK QUANTITY HAS BEEN INCLUDED AS 25 SF PER LOCATION ASSUMING A 5 FT x FT WALK SECTION IT TO BE REMOVED AND REPLACED.

REPLACE DRAINAGE STRUCTURES DEPICTED ON THIS SHEET BY PERFORMING THE FOLLOWING WORK:

1. REMOVE EXISTING CATCH BASINS.
2. INSTALL NEW CATCH BASINS.
3. REPLACE 4 FT OF EXISTING CONDUIT AT EACH STRUCTURE BEING REPLACED.
4. CONNECT CONDUIT TO NEW STRUCTURES OR TO EXISTING STRUCTURES WHERE EXISTING STRUCTURE IS TO REMAIN.

PROJECT EARTH DISTURBED AREA:	0.06 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.0 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	NO NOI REQUIRED

ESTIMATED QUANTITIES			
ITEM	TOTAL	UNIT	DESCRIPTION
202	16	FT	PIPE REMOVED, 24" AND UNDER
202	8	FT	PIPE REMOVED, OVER 24"
202	6	EA	CATCH BASIN REMOVED
202	50	SF	WALK REMOVED
253	6	CY	PAVEMENT REPAIR
608	50	SF	4" CONCRETE WALK
611	6	EA	CATCH BASIN, NO. 3 WITH DIAGONAL GRATE
611	16	FT	12" CONDUIT, TYPE B
611	8	FT	36" CONDUIT, TYPE B

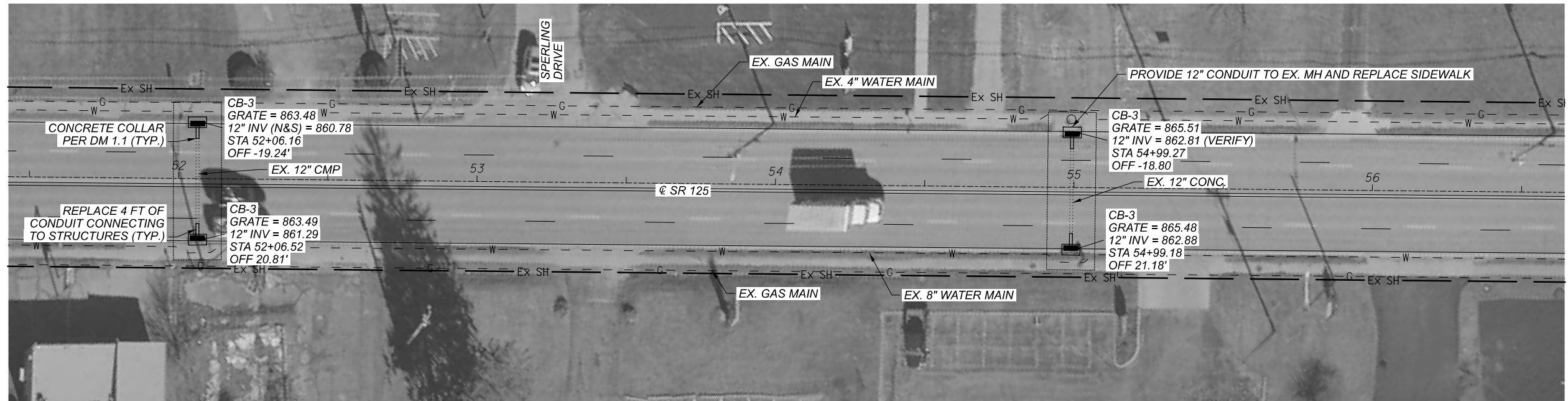


DRAINAGE STRUCTURES
STA 46+79 TO 49+79

DESIGN AGENCY



DESIGNER
MLB
REVIEWER
JDO
PROJECT ID
112408
SHEET TOTAL
P.8 22



EXISTING STRUCTURE	
CRS	CLE-125-06.48
TYPE	CMP
CFN	1845652
SIZE	12"
SKEW	0°
ALIGNMENT	TANGENT
DATE BUILT	1950
CONDITION	POOR
LATITUDE	39.024629
LONGITUDE	-84.212749

EXISTING STRUCTURE	
CRS	CLE-125-06.53
TYPE	CONCRETE
CFN	1845653
SIZE	12"
SKEW	0°
ALIGNMENT	TANGENT
DATE BUILT	N/A
CONDITION	GOOD
LATITUDE	39.024066
LONGITUDE	-84.212004

REPLACE DRAINAGE STRUCTURES DEPICTED ON THIS SHEET BY PERFORMING THE FOLLOWING WORK:

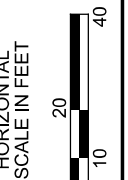
1. REMOVE EXISTING CATCH BASINS.
2. INSTALL NEW CATCH BASINS.
3. REPLACE 4 FT OF EXISTING CONDUIT AT EACH STRUCTURE BEING REPLACED.
4. CONNECT CONDUIT TO NEW STRUCTURES OR TO EXISTING STRUCTURES WHERE EXISTING STRUCTURE IS TO REMAIN.

NOTES:

1. PRIOR TO REMOVING DRAINAGE STRUCTURES, CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING WATER MAIN AND EXISTING GAS MAIN.
2. WHERE CONDUIT IS TO BE REPLACED UNDER EXISTING ASPHALT PAVEMENT, AN ASPHALT REPAIR QUANTITY HAS BEEN INCLUDED AS 1 CY PER LOCATION. PAVEMENT SECTION IS TO MATCH EXISTING PAVEMENT SECTION.
3. WHERE CONDUIT IS TO BE CONNECTED TO EXISTING MANHOLE WITHIN AN EXISTING CONCRETE WALK, A CONCRETE WALK REMOVAL AND 4" CONCRETE WALK QUANTITY HAS BEEN INCLUDED AS 25 SF PER LOCATION ASSUMING A 5 FT x FT WALK SECTION IT TO BE REMOVED AND REPLACED.

PROJECT EARTH DISTURBED AREA:	0.04 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.0 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	NO NOI REQUIRED

ESTIMATED QUANTITIES			
ITEM	TOTAL	UNIT	DESCRIPTION
202	16	FT	PIPE REMOVED, 24" AND UNDER
202	4	EA	CATCH BASIN REMOVED
202	25	SF	WALK REMOVED
253	4	CY	PAVEMENT REPAIR
608	25	SF	4" CONCRETE WALK
611	4	EA	CATCH BASIN, NO. 3 WITH DIAGONAL GRATE
611	16	FT	12" CONDUIT, TYPE B

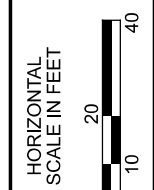


DRAINAGE STRUCTURES
STA 52+06 TO 54+99

DESIGN AGENCY



DESIGNER	MLB
REVIEWER	JDO
PROJECT ID	112408
SHEET	P.9
TOTAL	22



EXISTING STRUCTURE	
CRS	CLE-125-06.81
TYPE	CONCRETE
CFN	1983158
SIZE	12"
SKEW	0°
ALIGNMENT	TANGENT
DATE BUILT	N/A
CONDITION	GOOD
LATITUDE	39.021386
LONGITUDE	-84.208346

EXISTING STRUCTURE	
CRS	CLE-125-06.89
TYPE	PLASTIC
CFN	1985737
SIZE	12"
SKEW	0°
ALIGNMENT	TANGENT
DATE BUILT	N/A
CONDITION	GOOD
LATITUDE	39.020504
LONGITUDE	-84.207223

REPLACE DRAINAGE STRUCTURES DEPICTED ON THIS SHEET BY PERFORMING THE FOLLOWING WORK:

1. REMOVE EXISTING CATCH BASINS.
2. INSTALL NEW CATCH BASINS.
3. REPLACE 4 FT OF EXISTING CONDUIT AT EACH STRUCTURE BEING REPLACED.
4. CONNECT CONDUIT TO NEW STRUCTURES OR TO EXISTING STRUCTURES WHERE EXISTING STRUCTURE IS TO REMAIN.

NOTES:

1. PRIOR TO REMOVING DRAINAGE STRUCTURES, CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING WATER MAIN AND EXISTING GAS MAIN.
2. WHERE CONDUIT IS TO BE REPLACED UNDER EXISTING ASPHALT PAVEMENT, AN ASPHALT REPAIR QUANTITY HAS BEEN INCLUDED AS 1 CY PER LOCATION. PAVEMENT SECTION IS TO MATCH EXISTING PAVEMENT SECTION.
3. WHERE CONDUIT IS TO BE CONNECTED TO EXISTING MANHOLE WITHIN AN EXISTING CONCRETE WALK, A CONCRETE WALK REMOVAL AND 4" CONCRETE WALK QUANTITY HAS BEEN INCLUDED AS 25 SF PER LOCATION ASSUMING A 5 FT x FT WALK SECTION IT TO BE REMOVED AND REPLACED.

PROJECT EARTH DISTURBED AREA:	0.02 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.0 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	NO NOI REQUIRED

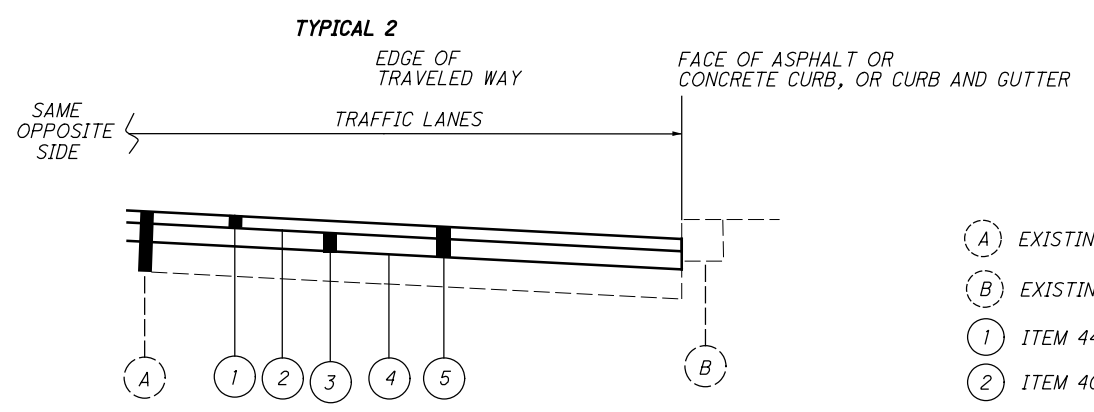
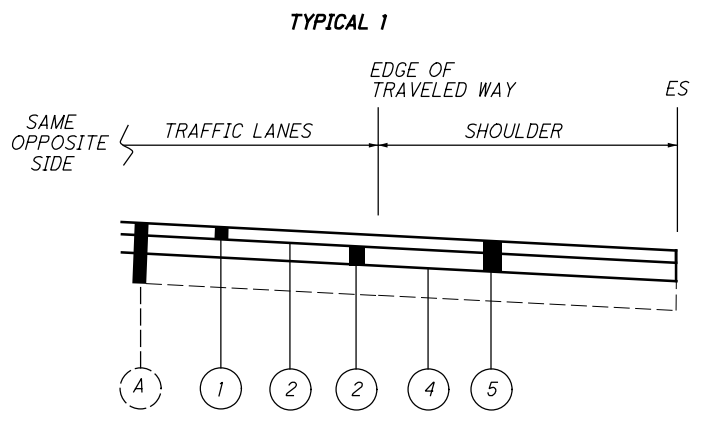
ESTIMATED QUANTITIES			
ITEM	TOTAL	UNIT	DESCRIPTION
202	12	FT	PIPE REMOVED, 24" AND UNDER
202	3	EA	CATCH BASIN REMOVED
202	25	SF	WALK REMOVED
253	3	CY	PAVEMENT REPAIR
608	25	SF	4" CONCRETE WALK
611	3	EA	CATCH BASIN, NO. 3 WITH DIAGONAL GRATE
611	12	FT	12" CONDUIT, TYPE B

DRAINAGE STRUCTURES
STA 69+41 TO 73+87

DESIGN AGENCY




DESIGNER	MLB
REVIEWER	JDO MM-DD-YY
PROJECT ID	112408
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- (A) EXISTING ASPHALT CONCRETE PAVEMENT
- (B) EXISTING CURB OR GUTTER
- (1) ITEM 442 - 1.5" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A, (446)
- (2) ITEM 407 - NON-TRACKING TACK COAT @ 0.06 GAL/SQ YD
- (3) ITEM 861 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM TYPE 2 (446)
- (4) ITEM 407 - NON-TRACKING TACK COAT @ 0.09 GAL/SQ YD
- (5) ITEM 254 - 3.25" PAVEMENT PLANING ASPHALT CONCRETE

PLAN SPLIT	COUNTY-ROUTE	LOG POINT (MILE)		LENGTH		PAVEMENT AREA (Micro-Station Generated Area)	PAVEMENT AREA	254		407	407	442		861		442	617		NOTES			
		FROM	TO	MILES	FT			SQ FT	SQ YD	PAVEMENT PLANING ASPHALT CONCRETE	PATCHING PLANED SURFACE	NON TRACKING TACK COAT @ 0.09 GAL/SQ YD	NON TRACKING TACK COAT @ 0.06 GAL/SQ YD	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), PG64-22	ASPHALT CONCRETE INTERMEDIATE COURSE 12.5 MM, TYPE A (446)	ANTI-SEGREGATION EQUIPMENT	COMPACTED AGGREGATE, TYPE A, 1.5" DEPTH, 12" WIDTH	SHOULDER PREPARATION		WATER @ 20 GAL/CU YD		
				INCHES	SQ YD			SQ YD	GAL	GAL	INCHES	CU YD	INCHES	CU YD	CU YD	CU YD	SQ YD	MGAL				
01/STR/PV	CLE-125	5.13	7.61	2.48	13094	635274	70586	3.25	70586.0	706	6352.7	4235.2	1.50	2941.1	1.75	3431.3	52376				TYPICAL SECTION 2, OMIT SECTION 5.50-5.64 SLM	
01/STR/PV	CLE-125	7.61	8.95	1.34	7075	549358	61040	3.25	61039.8	611	5493.6	3662.4	1.50	2543.3	1.75	2967.2	5500.5	65.5	1572.3	1.3		TYPICAL SECTION 1
TOTALS CARRIED TO GENERAL SUMMARY								X	131626	1317	19744	X	5485	X	6398	11873	66	1572	2	X		

DESIGN AGENCY



DESIGNER
JED

REVIEWER
JDO

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PART	COUNTY-ROUTE	LOG POINT (MILE)		TOTAL MILE	642				644										REMARKS						
					EDGE LINE 6"	LANE LINE	CENTER LINE		8" CHANNEL-IZING LINE	STOP LINE	24" TRANSVERSE/DIAGONAL LINE	CROSS WALK LINES	ISLAND MARKING	SCHOOL 96"	LANE ARROWS			WORD ON PAVEMENT							
							WHITE	DASHED							DASHED	SOLID	WHITE			24"	YELLOW	TURN		THRU	STRAIGHT/RIGHT
																						LEFT	RIGHT		
FROM	TO	MILE	MILE	MILE	MILE	MILE	MILE	FT	FT	FT	FT	SQ FT	EACH	EACH	EACH	EACH	EACH	EACH							
01/STR/PV	CLE-125	5.13	7.61	2.48	4.96	4.96		5.47	1078	562	76	1578		4	39	11	4	4	1						
01/STR/PV	CLE-125	7.61	8.95	1.34	2.68	2.68		3.44	1520	168	104	683	40		34										
TOTALS CARRIED TO GENERAL SUMMARY					7.64	7.64	8.91	2598	730	180	2261	40	4	92	1										

PAVEMENT MARKINGS

DESIGN AGENCY



DESIGNER

JED

REVIEWER

JDO

PROJECT ID

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SHEET

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