LOCATION MAP

LATITUDE: 41° 41′ 02″ LONGITUDE: -83° 41′ 40″





ENGINEERS SEAL: FOR SHEETS 106-112:

ENGINEERS SEAL:

1/19/18 MT-101.70

FOR THE REMAINDER

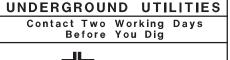
PORTION TO BE IMPROVED\_. INTERSTATE HIGHWAY \_\_\_\_\_ STATE ROUTES \_\_\_\_\_ COUNTY & TOWNSHIP ROADS..... OTHER ROADS

#### DESIGN DESIGNATION

CURRENT ADT (2018)	60207
DESIGN YEAR ADT (2038)	67129
DESIGN HOURLY VOLUME (2038)	_ <i>6713</i>
DIRECTIONAL DISTRIBUTION	_ 55%
TRUCKS (24 HOUR B&C)	_ 27%
DESIGN SPEED	_ 70 MPH
LEGAL SPEED	_65 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
URBAN OTHER FREEWAY AND EXPRESSWAYS	
NHS PROJECT	_ YES

#### DESIGN EXCEPTIONS

NONE





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

PLAN PREPARED BY:



### STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

# LUC-475/23-9.54 /9.63 NOISEWALL

## SYLVANIA TOWNSHIP CITY OF SYLVANIA LUCAS COUNTY

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	BP-5.1	1/18/19	MGS-3.1	1/19/18	MT-101.90	7/21/17	$\wedge$	800	7/17/20		
•			MGS-3.2	1/18/13	~~~	$\sim$	$\wedge$	832	10/19/18		
	HW-2.1	7/20/18	MGS-4.3	1/18/13(	TC-12.30	1/19/18					
Ī			MGS-5.2	7/15/16	75-21.11	<u> </u>					
	I-2.3	1/15/16	MGS-5.3	7/15/16	TC-21.21	4/17/20					
	1				TC-41.10	7/19/13					
	DM-1.1	7/21/17	RM-4.2	1/17/20	TC-41.20	10/18/13					
	DM-1.2	1/18/13	RM-4.5	7/21/17	TC-51.11	1/15/16					
	DM-4.1	7/20/18	RM-4.6	7/19/13	TC-52.10	10/18/13					
	DM-4.4	1/15/16			TC-52.20	7/20/18					
			NBS-1-09	1/19/18							
	F-1.1	7/19/13									
	F-3.2	7/18/14	MT-95.30	7/19/19							
			MT-95.45	1/17/20							

99-102

GUARDRAIL DETAILS

ACCESS GATE DETAIL NOISE BARRIER DATA TABLES

STRUCTURE FOUNDATION EXPLORATION

TRAFFIC CONTROL

#### PROJECT DESCRIPTION

CONSTRUCTION OF TYPE II NOISE BARRIER WALLS ALONG U.S. 23 FROM I-475 TO MONROE ST.. ALONG I.R 475 RAMPS FROM US-23 TO RAILROAD,

#### EARTH DISTURBED AREAS

PROJECT FARTH DISTURBED AREA: ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.25 ACRES NOTICE OF INTENT EARTH DISTURBED AREA: 8.24 ACRES

#### LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

#### 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 HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING OF THE HIGHWAY TO TRAFFIC.

103-104 106-112 113-121

	LUC-4	75/23-9.56/9.63	NOISEWALL
1	9/10/20	REVISED SCD	
NO.	DATE	DESCRIPTION	
		ISSUE RECORD	)

APPROVED	
DATE	DISTRICT DEPUTY DIRECTOR

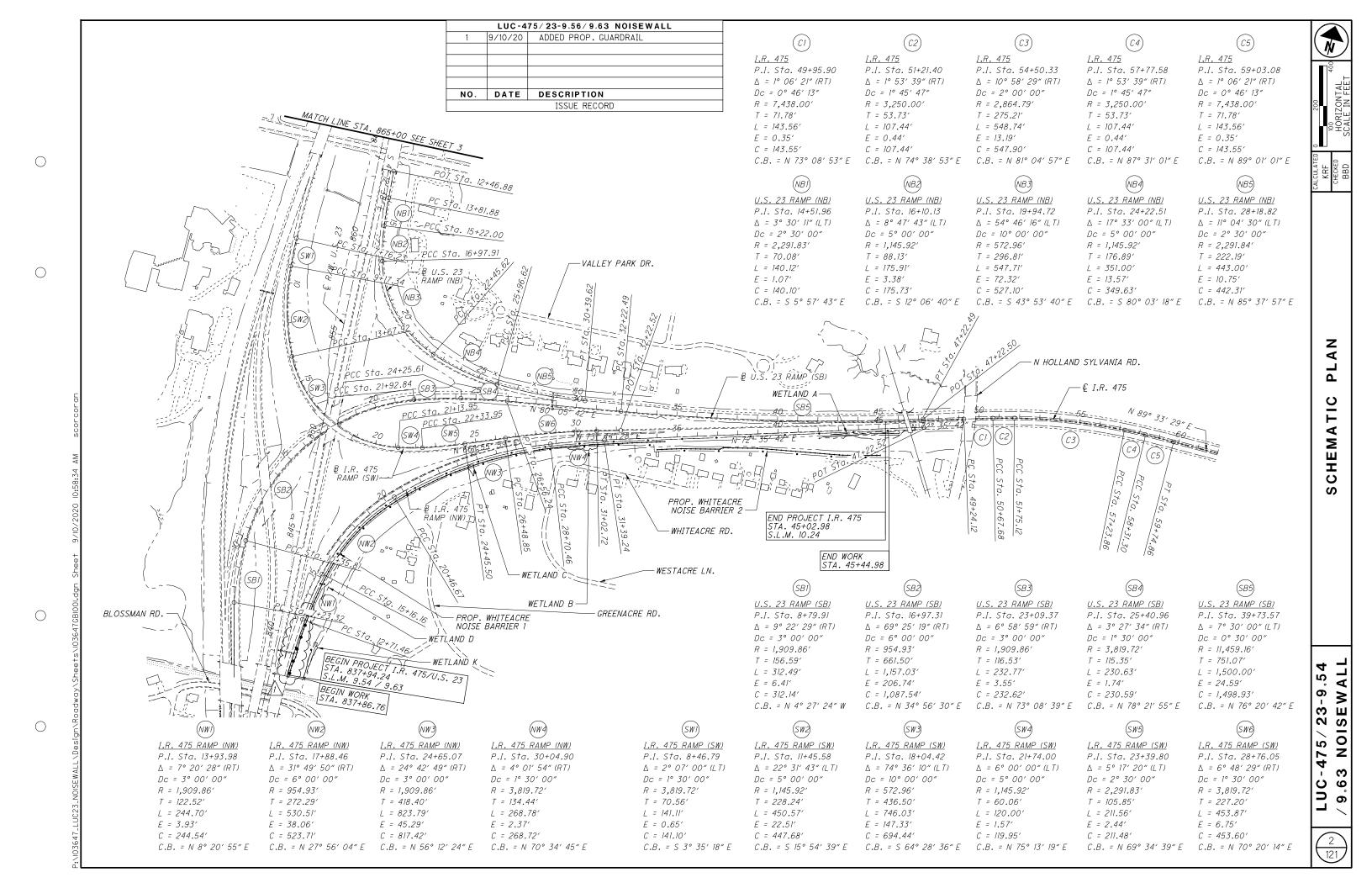
APPROVED\_ DATE\_ DIRECTOR, DEPARTMENT OF TRANSPORTATION

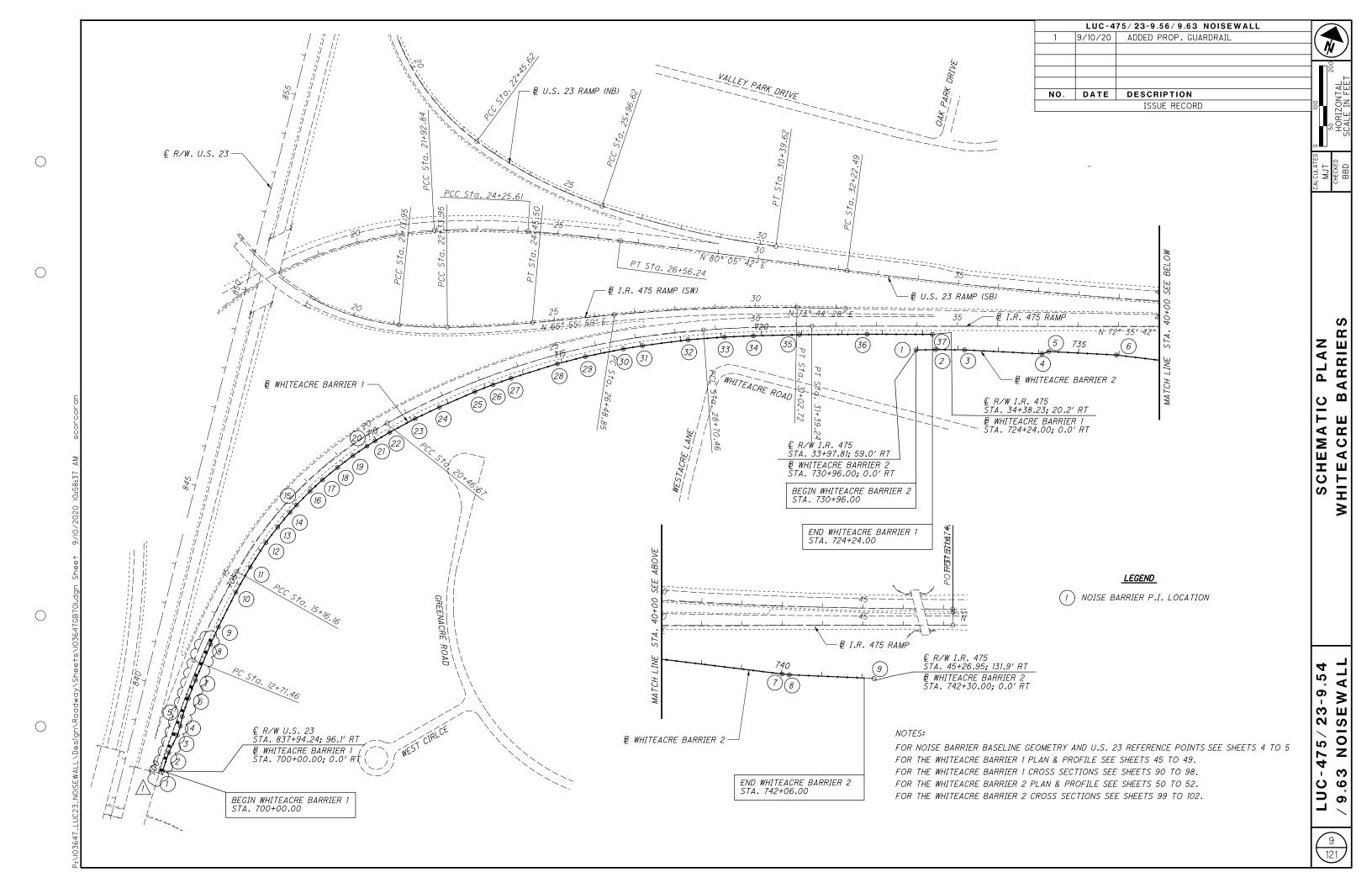
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#### SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, SOIL ANALYSIS TEST, 2 EACH

659, TOPSOIL, 1684 CU. YD.

659, SEEDING AND MULCHING, 15180 SQ. YD.

659, REPAIR SEEDING AND MULCHING, 579 SQ. YD

659, INTER-SEEDING, 579 SQ. YD.

659, COMMERCIAL FERTILIZER, 2.21 TON

659, LIME, 3.14 ACRES

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659. WATER. 84 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

#### **EARTHWORK**

BELOW IS A SUMMARY OF THE EARTHWORK/SEEDING FOR INDIVIDUAL NOISEWALL BARRIERS. SEE CROSS SECTIONS FOR ADDITONAL INFORMATOIN:

EVALUATION ENDINGREET SEEDING

	EXCAVATION	EMBANKMENT	SEEDING
SYLVAN GREEN BARRIER =	177	140	1047
BOX LANE BARRIER =	754	1228	3028
EAGLEHURST BARRIER 1 =	484	541	764
EAGLEHURST BARRIER 2 =	12	8	217
EAGLEHURST BARRIER 3 =	1240	1301	1999
TEJON BARRIER =	1407	2004	2532
<i>WHITEACRE BARRIER 1 =</i>	2045	2764	4417
<i>WHITEACRE BARRIER 2 =</i>	224	13	1176

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 203 - EXCAVATION 6313 CY

ITEM 203 - EMBANKMENT 7999 CY

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE SEEDING AND MULCHING NOTE:

ITEM 659 - SEEDING AND MULCHING 15180 SY

įΓ		LUC-4	75/23-9.56/9.63 NOISEWALL
	1	9/10/20	ADDED PAVEMENT REPAIR NOTE
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<u> </u>	NO.	DATE	DESCRIPTION
. [			ISSUE RECORD

#### ITEM SPECIAL MISC.: NOISE BARRIER - REFLECTIVE

GENERAL

- 1. NOISE BARRIER PANELS, POSTS, AND CAPS SHALL BE CONCRETE.
- 2. NOISE BARRIER POSTS AND CAPS SHALL HAVE A SMOOTH
- 3. ALL CONCRETE POSTS SHALL USE AN ODOT-APPROVED CONCRETE WATERPROOFING ADMIXTURE. NO EXTERIOR SEALER WILL BE USED ON THE POSTS
- 4. ALL POSTS SHALL HAVE A 3/4" RUSTICATION GROOVE NOT THE 1/2" GROOVE PER STANDARD CONSTRUCTION DRAWING NBS-1-09. THE RUSTICATION GROOVE SHALL MEET THE TOP OF THE HIGHEST ADJACENT PANEL.
- 5. ALL NOISE BARRIER PANELS SHALL BE REFLECTIVE ON BOTH SIDES.
- 6. ALL NOISE BARRIER PANELS, SHALL BE PAINTED ON BOTH SIDES THE FOLLOWING COLORS:

RESIDENTIAL SIDE:

EAGLEHURST WALLS - LIGHT GREY #595B-16515 SYLVAN GREEN WALL - LIGHT GREY #595B-16515 BOX WALL - LIGHT GREY #595B-16515 WHITEACRE WALLS - DARK NEUTRAL (TAN) #595B-10324 TEJON WALLS - LIGHT NEUTRAL (BEIGE) #595B-17778

HIGHWAY SIDE:

ALL WALLS - LIGHT GREY #595B-16515

7. NOISE BARRIER PANEL TEXTURES SHALL BE ON BOTH SIDES FOR THE FOLLOWING WALLS:

RESIDENTIAL SIDE:

EAGLEHURST WALLS - DRY STACK, POLYMER ID, 9110 LARGE STONE OHIO DRY STACK.

SYLVAN GREEN WALL - DRY STACK, POLYMER ID, 9110 LARGE STONE OHIO DRY STACK.

BOX WALL - ASHLAR, POLYMER ID, 905 SMALL AGED ASHLAR. WHITEACRE WALLS - ASHLAR, POLYMER ID, 905 SMALL AGED ASHI AR.

TEJON WALLS - ASHLAR, POLYMER ID, 905 SMALL AGED ASHLAR.

HIGHWAY SIDE:

ALL WALLS - ASHLAR, POLYMER ID, 905 SMALL AGED ASHLAR.

- 8. THE NOISE BARRIER SHOP DRAWING SUBMITTAL MUST INCLUDE THE ACOUSTICAL PROFILE AND LINE OF SIGHT SHOWN IN THESE PLANS ON EACH PROFILE VIEW.
- 9. FOR PANEL LENGTH DEDUCTIONS FOR NOISE BARRIERPOSTS SEE STANDARD CONSTRUCTION DRAWING
- 10. ALL NOISE WALLS SHALL HAVE A 11/4" FOAM BACKER ROD IN LIEU OF 3/4" FOAM BACKER ROD SHOWN ON PAGE 6/13 OF THE ODOT SCD NBS-1-09.

SAMPLE BARRIER PANEL

ONE SAMPLE OF A CONCRETE BARRIER PANEL AND POST WITH CAPS SHALL BE DELIVERED TO A LOCATION DESIGNATED BY THE ENGINEER FOR EVALUATION BY THE ENGINEER IN ACCORDANCE WITH THE ACCEPTANCE REQUIREMENTS OF THE NOISE BARRIER AS OUTLINED ON SHEET 2/13 IN THE STANDARD CONSTRUCTION DRAWING NBS-1-09.

#### ITEM SPECIAL MISC .: NOISE BARRIER - REFLECTIVE

SITE GRADING

THE CONTRACTOR SHALL PROVIDE THE FINISHED GRADES AS SHOWN IN THE PLANS. SPOILS GENERATED FROM THE DRILLED SHAFT CONSTRUCTION MAY BE WASTED ON SITE ONLY AS DIRECTED BY THE ENGINEER.

PAYMENT

IN ADDITION TO THE REQUIREMENTS OF STANDARD CONSTRUCTION DRAWING NBS-1-09, ALL OF THE ABOVE REQUIREMENTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM SPECIAL - NOISE BARRIER (REFLECTIVE).

#### FOUNDATIONS FOR NOISE BARRIERS AND SIGNS

NOTE THAT MANY OF THE FOUNDATIONS FOR THE NOISE BARRIERS AND SIGNS WILL BE INSTALLED IN FINE SAND OR COARSE AND FINE SAND. USE METHODS AND EQUIPMENT SUITABLE FOR INSTALLING FOUNDATIONS IN THE SUBSURFACE MATERIALS ENCOUNTERED.

#### ITEM 253 - PAVEMENT REPAIR, MISC .: FULL DEPTH REPLACEMENT

THE CONTRACTOR SHALL PERFORM PAVEMENT REPAIRS AS PER ITEM 253 IN THE CMS.

THE ENGINEER SHALL DESIGNATE THE LOCATIONS AND LIMITS OF THE AREAS TO BE REPAIRED. THE AREAS SHALL BE ROUGHLY RECTANGULAR IN SHAPE AND SAWED OR MILLED TO A NEAT LINE. THE ENTIRE AREA INCLUDING VERTICAL FACES SHALL BE COATED PRIOR TO PLACING THE REPLACEMENT MATERIAL PER 253.03.

THE CONTRACTOR SHALL REPLACE THE PAVEMENT IN LAYERS THAT MATCH THE ADJACENT PAVEMENT AS CLOSE AS POSSIBLE. BASED ON AVAILABLE INFORMATION, THE PAVEMENT BUILDUP IS AS FOLLOWS:

1.5" OF ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A, (446) 2" OF ITEM 442 - ASPHALT CONCRETE INTERMEDIATE CY COURSE. 19 MM. TYPE B (448) 6" OF ITEM 301 - ASPHALT CONCRETE BASE, PG64-22 6" OF ITEM 304 - AGGREGATE BASE TACK COAT WILL BE APPLIES AT THE RATES SPECIFIED TABLE 407.06-1 IN THE CMS AND AS DIRECTED BY THE ENGINEER

THE REPLACEMENT MATERIAL SHALL BE FINISHED TO MATCH THE EXISTING PAVEMENT SURFACE. SEALING THE PERIMETER OF THE REPAIR AREA PER 251.03 IS INCLUDED IN THE PAYMENT OF ITEM 253.

ALL WORK TO REMOVE AND REPLACE THE PAVEMENT, INCLUDING ANY AND ALL MATERIALS SPECFIED HEREIN SHALL BE INCLUDED IN THE UNIT BID PRICE OF ITEM 253 -PAVEMENT REPAIR. MISC .: FULL DEPTH REPLACEMENT

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 253 - PAVEMENT REPAIR, MISC .: FULL DEPTH REPLACEMENT = 55 SY

#### TEMPORARY CONSTRUCTION FENCE

EXISTING RIGHT OF WAY FENCE SHOULD BE LEFT IN PLACE UNTIL NOISEWALL CONSTRUCTION IS COMPLETE WHENEVER POSSIBLE, SHOULD THE CONTRACTOR NEED TO REMOVE THE EXISTING FENCE PRIOR TO THE CONSTRUCTION OF THE NOISEWALLS, A TEMPORARY CONSTRUCTION FENCE SHOULD BE ERECTED PRIOR TO THE REMOVAL OF THE EXISTING RIGHT OF WAY FENCE.

THE FOLLOWING CONTINGENCY QUANTITY HAS BEEN INCLUDED IN THE PLANS TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 607 - FENCE. MISC.: TEMPORARY FENCE - 650 FT

#### WHITEACRE EXISTING LIGHTING

BEFORE THE CONTRACTOR CONSTRUCTS THE PROPOSED DRILLED SHAFTS FOR WHITEACRE BARRIER 1 FOUNDATIONS, THE CONTRACTOR SHALL MARK THE EXISTING THE LIGHTING ALONG I.R. 475 NB RAMP TO I.R. 475 EB.

IF THE PROPOSED FOUNDATIONS ARE DETERMINED TO BE IN CONFLICT WITH THE EXISTING LIGHTING WIRING, THE CONTRACTOR SHALL EXPOSE THE WIRING AS NEEDED AND RELOCATE THE LIGTHING AS NEEDED TO INSTALL THE FOUNDATIONS.

THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER IN THE FIELD TO POWER DOWN THE LIGHTS AND WILL BE RESPONSIBLE TO RELOCATE THE LINE AND RESTORE THE EXISTING LIGHTS TO A WORKING CONDITION.

THE FOLLOWING CONTINGENCY QUANTITIES HAS BEEN INCLUDED IN THE PLANS TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 625 - CONNECTION, FUSED PULL APART - 4 EACH ITEM 625 - 1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES - 200 FT ITEM 625 - 3" CONDUIT. 725.04 - 25 FT ITEM 625 - TRENCH, AS PER PLAN - 425 FT

#### ENDANGERED BAT HABITAT REMOVAL

ITEM 625 - PULL BOX, 725.08, 18" - 1 EACH

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS: A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13

#### ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D. AS PER PLAN

IN ADDITION TO THE SPECIFICATIONS OF ITEM 622 IN THE CMS AND ODOT SCD RM 4.5, THE CONCRETE BARRIER SHALL BE CONSTRUCTED PER THE CONCRETE BARRIER DETAIL SHOWN ON SHEET 14.

THIS ITEM WILL INCLUDE ALL MATERIALS LISTED IN THE CMS AND WILL INCLUDE ANY MATERIALS SPECIFIED ON SHEET 14 INCLUDING BUT NOT LIMITED TO THE CONCRETE FOOTING, SAW CUT, ASPHALT BINDER, 12" DOWELS, AND AGGREGATE BASE.

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THIS ITEM SHALL CONSIST OF MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS AND RAMPS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION, THE SPECIFICATIONS, AND THE FOLLOWING:

- 1. ALL LANE(S) OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT UNLESS OTHERWISE SPECIFIED.
- 2. THE CONTRACTOR SHALL ONLY CLOSE THE EXISTING SHOULDERS ADJACENT TO THE PROPOSED WORK. THE CLOSING SHALL BE IN ACCORDANCE WITH THE STANDARD CONSTRUCTION DRAWING MT-95.45. SHORT TERM LANE CLOUSURES WILL BE PERMITTED ONLY AS DESCRIBED BELOW.
- 3. PERMITTED LANE CLOSURES

LANE CLOSURES ON IR 475 & US-23 SHALL ONLY BE IMPLEMENTED AT THE TIMES LISTED ON THE OHIO DEPARTMENT OF TRANSPORTATION'S PERMITTED LANE CLOSURES WEB SITE WHICH IS LOCATED AT:

http://plcm.dot.state.oh.us/

THE PERMITTED CLOSURE TIMES LISTED ON THE WEBSITE, 14 CALENDER DAYS PRIOR TO THE BID LETTING DATE, SHALL BE IN EFFECT FOR THIS PROJECT.

FOR LANE CLOSURES ON THE I.R. 475 N TO I.R. 475 E RAMP, THE TIMES LISTED FOR I.R. 475 FROM SALISBURY ROAD TO US-23 SHALL APPLY.

4. NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

> CHRISTMAS NEW YEARS MEMORIAL DAY EASTER

LABOR DAY **THANKSGIVING** MICHIGAN SPEEDWAY RACES (OTHER HOLIDAY OR EVENT)

FOURTH OF JULY

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

MARATHON LPGA CLASSIC

DAY OF HOLIDAY OR EVENT

TO DETERMINE THIS PERIOD:

TIME ALL LANES MUST BE OPEN TO TRAFFIC

SUNDAY 12:00N FRIDAY THROUGH 6:00 AM MONDAY MONDAY 12:00N FRIDAY THROUGH 6:00 AM TUESDAY TUESDAY 12:00N MONDAY THROUGH 6:00 AM WEDNESDAY **WEDNESDAY** 12:00N TUESDAY THROUGH 6:00 AM THURSDAY THURSDAY 12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY

THURSDAY (THANKSGIVING ONLY)

6:00 AM WEDNESDAY THROUGH 6:00 AM

MONDAY

12:00N THURSDAY THROUGH 6:00 AM FRIDAY

MONDAY

SATURDAY 12:00N FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$125 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

5. NOTICE OF CLOSURE SIGNS (W20-H13), SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE ABOVE AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE:

DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
>= 2 WEEKS	14 CALENDER DAYS PRIOR TO CLOSURE
> 12 HOURS & < 2 WEEKS	7 CALENDER DAYS PRIOR TO CLOSURE
< 12 HOURS	2 CALENDER DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

5. ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 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 MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN. 

#### PORTABLE BARRIER FOR SHOULDER CLOSURE

SHOULDER CLOUSURE BY USE OF PORTABLE CONCRETE BARRIER IS ANTICIPATED TO CONSTRUCT NOISE BARRIERS ADJACENT TO THE EXISTING SHOULDER AND SHALL BE IN ACCORDANCE WITH THE STANDARD CONSTRUCTION DRAWING MT-95.45.

ANY PROPOSED FOUNDATIONS WITHIN THE CLEAR ZONE MUST BE PROTECTED BY EXISTING GUARDRAIL OR PCB PRIOR TO INSTALLATION.

PORTABLE CONCRETE BARRIER IS ANTICIPATED AT THE FOLLOWING LOCATIONS AND REFERENCE US 23 STATIONING:

SLYVAN GREEN BARRIER (STA. 908+50 TO STA. 929+00) BOX LANE BARRIER (STA. 905+55 TO STA. 931+25) EAGLHURST BARRIERS (STA. 865+25 TO STA. 900+40) TEJON BARRIER (STA. 873+35 TO STA. 899+00) WHITEACRE BARRIER 1 (STA. 837+36 TO STA. 841+44)

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO PERFORM THE CLOSURES:

ITEM 614 - WORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL) 5 EACH

ITEM 622 - PORTABLE BARRIER, UNANCHORED

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NON-GATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARDS WEB PAGE FOR ROADWAY STANDARDS WEB PAGE.

HAZARDS (UNIDIRECTIONAL OR BIDIRECTIONAL)

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

WHEN GATING IMPACT ATTENUATORS ARE DESIRED, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE ENGINEER FOR ACCEPTANCE.

THE COST FOR THE ADDITIONAL BARRIER REQUIRED FOR A GATING IMPACT ATTENUATOR SHALL BE INCLUDED IN THE COST OF THE GATING IMPACT ATTENUATOR.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT AND MAINTAIN A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NON-GATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARDS WEB PAGE FOR ROADWAY STANDARDS APPROVED PRODUCTS.

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED, THE CON-TRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIP-MENT AND MATERIALS NECESSARY TO CONSTRUCT AND MAINTAIN A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS. HARDWARE AND GRADING. NOT SEPARATELY SPECIFIED. AS REQUIRED BY THE MANUFACTURER.

#### DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER, 29 M. GAL

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL AND ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL I ANF.

DELINEATION OF PORTABLE AND PERMANENT BARRIER

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER. ONF-WAY

[INCREASED BARRIER DELINEATION, AS SPECIFIED HEREIN, SHALL BE INSTALLED ON ALL PB AND CONCRETE PERMANENT BARRIER LOCATED WITHIN 5 FEET OF THE EDGE OF THE TRAVELED LANE UNDER EITHER OF THE FOLLOWING CONDITIONS: ALONG TAPERS AND TRANSITION AREAS AND ALONG CURVES (OUTSIDE ONLY) WITH DEGREE OF CURVATURE GREATER THAN OR EQUAL TO 3 DEGREES.]

THE INCREASED BARRIER DELINEATION SHALL CONSIST OF EITHER DELINEATION PANELS OR THE TRIPLE STACKING OF WORK ZONE BARRIER REFLECTORS.J

[DELINEATION PANELS SHALL CONSIST OF PANELS OF DELINEATION, APPROXIMATELY 34 INCHES LONG AND 6 INCHES WIDE AND SHALL BE "CRIMPED." PANELS SHALL BE INSTALLED AND SPACED PER TRAFFIC SCD MT-101.70.J

[TRIPLE-STACKED BARRIER REFLECTORS SHALL CONSIST OF ALIGNING THREE BARRIER REFLECTORS VERTICALLY, AT LOCATIONS WHERE A SINGLE BARRIER REFLECTOR WOULD BE OTHERWISE ATTACHED. THERE SHALL BE NO OPEN SPACE BETWEEN THE ADJACENT BARRIER REFLECTORS. THE TRIPLE-STACKED BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THEY SHALL BE SPACED AND ALIGNED PER TRAFFIC SCD MT-101.70.]

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN /1\ THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 1 - 206 EACH ITEM 614, OBJECT MARKER, ONE-WAY - 206 EACH

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS

[ALONG RUNS OF INCREASED BARRIER DELINEATION WHERE THIS ITEM IS PROVIDED, THE QUANTITY SHALL BE MEASURED AS THE ENTIRE LENGTH OF THE RUN OF INCREASED BARRIER DELINEATION, INCLUDING THE SPACES BETWEEN THE INDIVIDUAL DELINEATION PANELS OR STACKS OF BARRIER REFLECTORS.J

LUC-475/23-9.56/9.63 NOISEWALL C 9/10/20 REVISED NOTES; ADDED PB  $\supset$ NO. DATE DESCRIPTION 121 ISSUE RECORD

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10,300 FT

					SHEET	NUM.						PA	RT.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEE	
13	14	15	16	19	20	21	22	113				01/NHS/OT	02/IMS/OT	11 E W	EXT	TOTAL	ONT	DESCRIPTION	NO.	CALC
																		ROADWAY		
												1.6		004	4000	1.6		OLE LOTALO AND ODUDOTALO		
LS												LS		201	11000	LS		CLEARING AND GRUBBING		$\dashv$
					878							878		202	32500	878	FI	CURB AND GUTTER REMOVED		$\dashv$
				A (	~50~	~~~	~~~	~~~	<b>~~~</b>	<b>~~~</b>	~~~	750	$\sim\sim$	262	35100	50	FT	PIPÉ ŘEMOVED, 24" AND UNDĚR		
				/1\(	5,679				<del>Lu</del>	<del>                                     </del>		5,679	<del></del>	202	38000 42010	5,679	FT	GUARDRAIL REMOVED ANCHOR ASSEMBLY REMOVED, TYPE E		-
					4					+		4		202	42010	4	EACH	ANCHOR ASSEMBLY REMOVED TYPE T		-
																			Name of the second seco	
				1	2	<b>~~~</b>	· · · · · · · · · · · · · · · · · · ·	$+ \infty$	$+\infty$	$+\infty$	$+\infty$	~~~	$\sim$	~202~	47000 47000	~ <del>~</del> ~	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED TYPE 1	SE	_
					14			<del> </del>		how		hy,		202 202	58100	3	EACH			-
					265							265		202	75000	265	FT	CATCH BASIN RÉMOVED  FENCE REMOVED  STORY OF THE PROPERTY OF T	ISS	
																				$\Box$
	6,313 7,999											4,074 5,222	2,239 2,777	203 203	10000 20000	6,313 7,999	CY CY	EMBANKMENT 75 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-
	1,000			~~~	~~~											1,,,,,,	~~~			
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				2		1								606	26150	1	EACH			_
			$\Delta$	<b>√</b> 4 ✓	$\sim$	$+\infty$	$\sim$		$\sim$	+		4	$\sim\sim$	606	35002 35102	4	EACH EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1 MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2  — 9		$\dashv$
					~~~			<del>                                     </del>	<del>\</del>	<del>                                     </del>			<del>~~~</del>							
				116								116		607	23000	116	FT	FENCE, TYPE CLT		
				1								1		607	61201	1	EACH	GATE, TYPE CLT, AS PER PLAN	105	-
				56								56		609	24510	56	FT	CURB, TYPE 4-C		-
				9,103								9,103		622	10161	9,103	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN	14	_
				3 6								3 6		622 622	10200 25000	3 6	EACH EACH	BARRIER TRANSITION CONCRETE BARRIER END SECTION, TYPE D		-
				12								12		622	25050	12	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D		1
																		EDOCTON CONTROL		
-										+								EROSION CONTROL		$\dashv$
				75								75		601	21060	75	SY	TIED CONCRETE BLOCK MAT, TYPE 2		
												_				_				
	2 1,685							-		1		1,064	621	659 659	00100	2 1,685		SOIL ANALYSIS TEST TOPSOIL		
	15,180											9,587	5,593	659	10000	15,180	SY	SEEDING AND MULCHING		1
	759											479	280	659	14000	759	SY	REPAIR SEEDING AND MULCHING		
	759									-		479	280	659	15000	759	SY	INTER-SEEDING		_
	2.21											1.4	0.81	659	20000	2.21	TON	COMMERCIAL FERTILIZER		$\dashv$
	3.14											1.98	1.16	659	31000	3.14	ACRE	LIME		
	84											53	31	659	35000	84	MGAL	WATER		4
							LS		1			LS		832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN		-
							LS			1		LS		832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS		
							LS					LS		832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE		
							76,000			1		76,000		832	30000	76,000	EACH	EROSION CONTROL		-[
																		DRAINAGE		ا ر
				0.3				-				0.3		602	20000	0.3	CY	CONCRETE MASONRY		<b>ا</b> د
						3,984				1		499	3,485	605	13300	3,984	FT	6" UNCLASSIFIED PIPE UNDERDRAINS		$\dashv$
													-,,,,,,			3,001				$\exists$
						200						35	165	611	00510	200	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS		٦,
				22				-		1		22		611 611	06100 99114	22	FT EACH	15" CONDUIT, TYPE C INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D		<b>⊣</b> •
				<u> </u>		12	<u> </u>	1		1		3	9	611	99710	12	EACH	PRECAST REINFORCED CONCRETE OUTLET		_ ՝
																				╛
																		PAVEMENT		_
<del>\</del>		$\sim$	$\sim$	<b>~~~</b>	<u> </u>	<del> </del>	<u> </u>	<del>                                     </del>	<del>                                      </del>	<del>                                      </del>	<del> </del>	55	<b>~~</b>	253	90100	55	SY	PAVEMENT REPAIR, MISC.: FULL DEPTH REPLACEMENT	14	$\dashv$
<del></del>		<del>~~</del>	~~~		<del>                                     </del>	<del> </del>	<del>                                     </del>	<del> </del>	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	<del>  ~~</del>	<del>                                     </del>		₩₩.	print 		TAYEMENT REPAIR, MISC. FOLE DEFIT REPEACEMENT		4
																				$\exists$

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EE EET			UNIT	GRAND	ITEM	ITEM	RT.	PAF						NUM.	SHEET					
<b>0</b> .			ONT	TOTAL	EXT	11 - 101	02/IMS/OT	01/NHS/OT					113	22	21	20	19	16	15	14
	TRAFFIC CONTROL	1																		
_		GROUND ROD	EACH	1	32000	625		1	<u> </u>		<del></del>		1							
		GROUND ROD	EACH	'	32000	023		'					1							
	JHAY	BARRIER BEELECTOR, TYPE 1, ONE WAY	√E4CH√	~105~~	~00102~	~626~	~~~	105	<b>~~~</b>		<u></u>		~~~	~~~	$\sim\sim$	$\sim\sim$	<del>~105</del> ~			
	WAY	BARRIÉR ŘEFLECTÓR, TYPĚ 2, ONE WAY	EACH	17	00110	626		l 17 l									~!~			
		GROUND MOUNTED SUPPORT, NO. 3 POST		88	03100	630		88	'		<u></u>		88							
	AM SUPPORT, S4X7.7	GROUND MOUNTED STRUCTURAL BEAM SUPPORT,	FT	65.4	06400	630		65.4					65.4							
		GROUND MOUNTED STRUCTURAL BEAM SUPPORT,		42.4	06500	630		42.4	<u> </u>		<b></b>		42.4							
	M SUPPORT, WIOX22	GROUND MOUNTED STRUCTURAL BEAM SUPPORT,	FT	49.2	07500	630		49.2	'		<del></del>		49.2							
	AM SUPPORT, W10X12	GROUND MOUNTED STRUCTURAL BEAM SUPPORT,	FT	46.5	07600	630		46.5					46.5							
		BREAKAWAY STRUCTURAL BEAM CONNECTION		10	09000	630		10			<u> </u>		10							
	;-12.30, DESIGN 12	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DES: SIGN, FLAT SHEET		1 38	21200 80100	630 630		1 38	<u> </u>		<del></del>	<u> </u>	1 38							
	ET	SIGN, FLAT SHEET		73	80200	630		73					73							
	AN CURRENT FOUNDATION	SIGN, OVERHEAD EXTRUSHEET		253	80224	630		253	<u></u> '			<u> </u>	253							
-		GROUND MOUNTED STRUCTURAL BEAM SUPPORT RIGID OVERHEAD SIGN SUPPORT FOUNDATION		10	84500 84510	630 630		10			<u> </u>		10							
		REMOVAL OF GROUND MOUNTED SIGN AND DISPO		6	84900	630		6					6							
_		REMOVAL OF GROUND MOUNTED MAJOR SIGN AN REMOVAL OF GROUND MOUNTED MAJOR SIGN AN	EACH EACH	3 5	85400 85600	630 630		3 5	<u> </u>		<del></del>	<u> </u>	<u>3</u>							
		REMOVAL OF GROUND MOUNTED MAJOR SIGN AN		7	86002	630		7	i '				7							
	RUCTURAL BEAM SUPPORT AND DISPOSAL	REMOVAL OF GROUND MOUNTED STRUCTURAL BE	EACH	5	86102	630		5					5							
	LIOUTING								<u></u> '			<u> </u>								
	LIGHTING								·'		<del></del>									
		CONNECTION, FUSED PULL APART	EACH	4	00450	625	4													4
	. 4 AWG 2400 VOLT CABLES	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 240		200	24320	625	200				<u> </u>									200
14		CONDUIT, 3", 725.04 TRENCH, AS PER PLAN		25 425	25500 29001	625 625	25 425		<u> </u>		<del> </del>	<u> </u>								25 425
14		PULL BOX, 725.08, 18"		1	30700	625	1													1
	NOISE BARRIERS								<u> </u>		<del> </del>	<u></u> '								
14	<del></del>	NOISE BARRIER (REFLECTIVE)	SF	194,324	60610210	SPECIAL	55.338	138.986				<del>                                     </del>					194,324			
				,			,	,									,			
	MAINTENANCE OF TRAFFIC	MAIN							<u> </u>		<del> </del>	ļ								
14		FENCE, MISC.: TEMPORARY FENCE	FT	650	98000	607		650	<u>'</u>		<del>                                     </del>	<del>                                     </del>								650
		LAW ENFORCEMENT OFFICER WITH PATROL CAR	HOUR	120	11110	614		120										120		
	JNIDIRECTIONAL)	WORK ZONE IMPACT ATTENUATOR (UNIDIRECTION REPLACEMENT SIGN		5 5	12336 12500	614 614		5 5	'		<del></del>	<u></u> '						5	5	
				~20~	12600	<del>614</del>	<b>~~~</b>	, i			<del></del>			~~~	~~~	~~~	· · · · · · · · · · · · · · · · · · ·	20	~~~	$\wedge$
	·WAY	BARRIER REFLECTOR, TYPE 1, ONE-WAY	EACH	206	13310	614		206						, ,					206	
		OR IFCT MARKER ONE WAY	EACH.	206	13350	614		206	<u> </u>		<del></del>	<u> </u>							206	-
-		OBJECT MARKER, ONE WAY	TACT Y	~~~~~	13330	614	~~~		$\mu$		<del></del>	<del>                                     </del>		~~~	$\sim$	~~~	~~	$\longrightarrow$	-500m	
		WATER	MGAL	29	10000	616		29											29	
		PORTABLE PARRIED LINANGUARER		200	<b>****</b>		$\sim$		page '	$\sim$	$\sim$		~~~	~~	<b>~~~</b>	<b>~~~</b>	$\sim$			A
		PORTABLE BARRIER, UNANCHORED	FT	10,300	41100	622	<del>~~</del>	10,300	, ————————————————————————————————————		<del></del>	<del> </del>		~~~	~~~	<del>~~</del>			10,300	<u>~~</u> \
	INCIDENTALS																			
											<u> </u>									
		PREMIUM FOR CONTRACT PERFORMANCE BOND A		LS	05000	103		LS	<u> </u>		<del>                                     </del>	<u> </u>								
		CPM PROGRESS SCHEDULE		LS	10000	108	$\sim\sim$	LS												
							~~~													
(		MAINTAINING TRAFFIC		LS	11000	614		LS	<u> </u>		<del></del>	<del>                                     </del>							LS	
	ID SURVEYING LUC-475/23-9.56/9.63 NOISEWALL	CONSTRUCTION LAYOUT STAKES AND SURVEYING		LS	10000	623		LS	<u> </u>	<u> </u>										
	1 9/10/20 MODIFIED PAY ITEMS				.3000															
		MOBILIZATION		LS	10000	624		LS			<u> </u>									
	NO. DATE DESCRIPTION								·'		<del></del>	<del>                                     </del>								
	ISSUE RECORD								·	,——— <u> </u>										

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					601	602			606			6	07	609	6	511			6.	22			62	26
SHEET NO.	REFERENCE NO.	STA	TION	SIDE	TIED CONGRETE BLOCK MAT, TYPE 2	CONCRETE MASONRY	SPECIAL – NOISE BARRIER (REFLECTIVE)	GUARDRAIL, TYPE MGS	ANCHOR ASSEMBLY, MGS TYPE E	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	MOS BRIDGE TERMINAL ASSEMBLY, TYPE 2	FENCE, TYPE CLT	GATE, TYPE CLT, AS PER PLAN	CURB, TYPE 4-C	15" CONDUIT, TYPE C	INLET, NO. 3 SINGLE SLOPE BARRIER, TYPE D		CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN	BARRIER TRANSITION	CONCRETE BARRIER END SECTION, TYPE D	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D		BARRIER REFLECTOR, TYPE 1, ONE-WAY	BARRIER REFLECTOR, TYPE 2, ONE-WAY
		FROM	ТО		SY	CY	SF	FT	EA	EA	EA	FT	EACH	FT	FT	EA		FT	EA	EA	EA		EA	EA
YL VAN GREE						1		1													1			
24-27	NB-1	300+24.00	318+48.00	BL			27642	222.2		<u> </u>												<b>_</b>		<del></del>
103	GR-1	906+58.00 (U.S. 23)		LT	<b> </b>			200.0	-	1	/									<u> </u>	1	+		3
24-27		908+76.81 (U.S. 23)	914+82.00 (U.S. 23)	LT	ļ													577		/	1 /	<del>                                     </del>	· · · · · · · · · · · · · · · · · ·	
24-27	B-1	914+82.00 (U.S. 23)	921+12.00 (U.S. 23)	LT														610			1 1		20	
24-27		921+12.00 (U.S. 23)	927+37.00 (U.S. 23)	LT	ļ													598		1	ļ			
27	C-1	927+37.00 (U.S. 23)	927+57.00 (U.S. 23)	LT	ļ									20							<u> </u>	<del></del>		<del></del>
27	GR-2	927+34.50 (U.S. 23)	928+63.50 (U.S. 23)	LT	ļ			62.5	1	1														<del></del>
27	D-1	927+57.00 (U.S. 23)	927+67.00 (U.S. 23)	LT	11																	+	+	
X LANE BA	DDTED	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	1	<u> </u>	1	1	<u> </u>	<u> </u>			<u> </u>	<u> </u>	<u> </u>			<u> </u>	1			
	NB-2	400+08.00	423+92.00	DI	1	i	34988	1	1	1	1					1	1			1	1			
28-32 3; 28-30	IND-Z	905+76.00 (U.S. 23)	423+92.00	BL RT		-	J4988		1	1						1		778	1	1	1	+	+	
28-30	B-2	406+65.00	414+22.00	RT	1											1		737	1	1	1 1	+	-	
30	D-2	414+22.00	414+22.00	RT	1	0.27			1	1	<del> </del>	1			22	1		131		<del>                                     </del>	1 '	+	26	
30-32	υ-2	414+22.00	418+77.00	RT	1	J.21			1		<del> </del>	1				<del>  '</del>		402		<del>                                     </del>	2	+	- 20	
30-32	B-3	418+77.00	931+00.00 (U.S. 23)	RT	<del> </del>				1									515			1	+	-  !	
32	D-3	931+00.00 (U.S. 23)	931+10.00 (U.S. 23)	LT	11				1									313			1 '	+	+	
J2	D J	331100.00 (0.3. 23)	931/10.00 (0.3. 23)	L1	<del>  "</del>																	+	+	
I FHIRST	BARRIER 1				1		1				1		11			1				l .				
33-34 <b>-</b>	NB-3	500+00.00	509+84.00	BL	I		14376			1						1	1			1		т —	<del></del>	$\overline{}$
33-34	IND 3	865+25.00 (U.S. 23)	504+75.00	LT	1		14310		1				<del> </del>					459	1	1	1	+	+	
33-34	B-4	504+75.00	875+25.00 (U.S. 23)	LT					1				<del>                                     </del>					500	,	<del>  ,</del>	1 '	+	-  <i>11</i>	
34	C-2	875+25.00 (U.S. 23)	875+45.00 (U.S. 23)	LT										20				300		<del>  '</del>		+	+	
34	D-4	875+45.00 (U.S. 23)		LT	17									20								+	+	
	<i>D</i> 1	070140.00 (0.5. 25)	070700.00 (0.5. 257		<del>  ''</del>																	+	+	
GI FHURST I	BARRIER 2		1		•		1			1						1								
35	NB-4	520+00.00	522+10.00	CL	1		3360										l				1	$\top$	<b>T</b>	
35	F-1		875+00.00 (U.S. 23)	LT								8								1		†	<del>†                                    </del>	ī —
35	F-2		877+24.69 (U.S. 23)	LT	1							12									1	+	+ +	
35	GR-3		876+73.00 (U.S. 23)	LT				125.0		1	1												† †	3
					1																		1	
GLEHURST I	BARRIER 3	•	•		•	•	•		•	•	•	•			•	•	•			•	•	•	-	
36-40	NB-5	531+60.00	554+88.00	BL			34080															Τ	T	<del></del>
36	D-5	876+61.00 (U.S. 23)	876+71.00 (U.S. 23)	RT	19																			i Total
36-40		876+71.00 (U.S. 23)	539+44.00	RT														761		1	1			
36-40	B-5	539+44.00	574+35.00	RT														776			1		24	
36-40		574+35.00	899+89.00 (U.S. 23)	RT														758	1				「	
ION BARRII		_					,																	
41-44	NB-6	601+50.00	618+06.00	BL			24540													ļ		<del></del>		<b></b>
41	GR-4	874+90.90 (U.S. 23)		RT				62.5	1	1														2
41	D-6		876+01.00 (U.S. 23)	RT	17															ļ		<del></del>		
41	C-3	876+01.00 (U.S. 23)		RT	1				1					16						1		<del></del>		<b></b>
41-44		876+16.64 (U.S. 23)	607+00.00	RT	1				1		1							537		1 1	1 1	1	<b>↓</b>	<b></b>
41-44	<i>B−6</i>	607+00.00 (U.S. 23)		RT	<u> </u>													536		<u> </u>	1 1		24	
41-44		612+50.00	893+29.00 (U.S. 23)	RT						1								559		1 1	1			<del></del>
44	GR-5	893+26.30 (U.S. 23)	894+15.30 (U.S. 23)	RT	1			87.5			1 1	1				<u> </u>				1	1	+	4	2
TE 4 00 5 5	100150 :	L	I .	L	<u> </u>	<u> </u>	<u> </u>	<u> </u>			L	L			L	ļ	<u> </u>			<u> </u>				
TEACRE BA		700:00 00	704:04.55	21		1	70010			1			, ,			1				1	1			
			724+24.00		<u> </u>	$\sim$	<del>  \sigma \sigma</del>		$\uparrow \sim$	<b>***********</b>	M	$\sim$	$\sim$	<b>~~~</b>	$\sim$	<u> </u>	<b>~~~</b>	<b>\\\\\</b>	$\sim\sim$	$\uparrow \sim \sim$	$\uparrow \sim \sim$	<del>*************************************</del>	+	<u>~~~</u>
45	GR-6	837+87.00 (U.S. 23)	703+50.00	LT			1	350		1	1 /			A A A A			<u> </u>			<u> </u>	<del>                                     </del>	<del></del>	لحجيل	<del></del>
				1	<del></del>	<del>,                                    </del>	1		1	<del>1</del>			,			<del>,                                    </del>								
50-52	NB-8	730+96.00	742+30.00	CL	<u> </u>		15390									<u> </u>			4 1.				ISEWALL	
NOC! OF 5:	240	1	I .	L	<u> </u>	<u> </u>	ļ	<u> </u>		1	L	L			L	<u> </u>	<u> </u>		1   9	1/10/20	AUULU GUA	ardrail Qu	JANTITIES	
VCELOT RC		E40.70.00	E40.70 to	1.7	1	1	1	1	1	1		40				1								
105	F-5	542+30.28	542+39.19	LT					<del>                                     </del>		1	48	<b>,</b> ,						NO.	DATE	DECORIE	TION		
105	F-6	542+39.19	542+55.03	LT					1//	+	//	10	/						NO.	DAIL	DESCRIP			
105	F-7	542+55.03	542+68.98	LT	1	-	<del>                                     </del>	· · · ·	<u> </u>	+ (	<del>                                     </del>	48			<del>                                     </del>	<del>                                     </del>	<del>                                     </del>			1	1220F	RECORD		
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	SHEET NO.	REFERENCE NO	STA	TION	SIDE	CURB AND GUTTER REMOVED	PIPE REMOVED, 24" AND UNDER	GUARDRAIL REMOVED	ANCHOR ASSEMBLY REMOVED, TYPE E	ANCHOR ASSEMBLY REMOVED, TYPE T	BRIDGE TERMINAL ASSEMBL REMOVED, TYPE 1	BRIDGE TERMINAL ASSEMBL REMOVED, TYPE 2	CATCH BASIN REMOVD	FENCE REMOVED						
			FROM	ТО		FT	FT	FT	EA	EA	EA	EA	EACH	FT						
	VAN GREEN L			T	1										-	-				
10	03; 24-25	R−1	906+58.74 (U.S. 23)	917+88.83 (U.S. 23)	LT			1109	1 1		1									
BOX	X LANE BARR	TER			ļ		<u> </u>	ļ	ļ	ļ						<u> </u>				
	73; 28-30	R-2	905+93.47 (U.S. 23)	917+82.56 (U.S. 23)	RT			1169		1		1								
	03; 28-29	R-3	905+93.47 (U.S. 23)	914+93.00 (U.S. 23)	RT	878														
	29	R-4	914+98.00 (U.S. 23)	914+98.00 (U.S. 23)	RT		50						1							
	30	R-5	920+81.85 (U.S. 23)	922+57.25 (U.S. 23)	RT			113	1	1								_	1	
540	N FUUDCT DA	00100 1																		
	GLEHURST BAI 33-34	R-6	865+41.59 (U.S. 23)	871+95.17 (U.S. 23)	LT			579	1 1		1								1	
	33 37	7.0	000111.00 (0.0. 20)	0111.00.11 (0.3. 23)				070	<u>'</u>		· '									
EAG	SLEHURST BA	RRIER 2			!	!									ļ	Į		· ·		
	35	R-7	875+00.00 (U.S. 23)	877+24.69 (U.S. 23)	LT									225						
540	N FUUDCT DA	00100 7																		
EAG	GLEHURST BAI 36	R-8	875+60.12 (U.S. 23)	877+24.28 (U.S. 23)	LT			102	1	1					<u> </u>			1	1	
	38-40	R-9	886+78.98 (U.S. 23)	899+73.55 (U.S. 23)	LT			1303	<u>'</u>	1		1								
												·								
₽ <i>TEJ</i>	ION BARRIER							-	-	-	-									
()	43-44	R-10	884+72.55 (U.S. 23)	898+75.61 (U.S. 23)	RT			929	1											
	TEACDE DAD	7777	~~~~~~	· · · · · · · · · · · · · · · · · · ·			h		——————————————————————————————————————		<del>                                     </del>									
S WHI	TEACRE BARI 45	R-11	837+87.00 (U.S. 23)	703+50.00	RT			350				1							1	
		-	^^^^																	
	ICELOT ,	$\sim\sim$													•	•		•	•	
8:4	105	> R-12	542+34.11 (EAGLE 3)	542+61.07 (EAGLE 3)	LT			26												
0:5	105	R-13	542+30.27 (EAGLE 3)	542+68.95 (EAGLE 3)	LT									40						
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C23					1			-	-		-	<u> </u>						9.56/9.63 P D REMOVAL Q	NOISEWALL	
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647								<del></del>	$\overline{}$		,	~~~								
33			CARRIED TO GE	•	•		<del>, , , , , , , , , , , , , , , , , , , </del>	<del> </del>	<del>.                                    </del>			<del></del>		<del></del>		NO. DA	TE DE0	CRIPTION		

CONTOUR INTERVAL = 1 FOOT

TOTAL AREA:

# - € I.R. 475 10 89° 33′ 29″ E

#### PROJECT DESCRIPTION

SUSPEND PROJECT I.R. 475 STA. 45+02.98 S.L.M. 10.24

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY:

ITEM 832, STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE - LS

ITEM 832, STORM WATER POLLUTION PREVENTION INSPECTIONS - LS

ITEM 832, STORM WATER POLLUTION PREVENTION PLAN - LS

ITEM 832, EROSION CONTROL - 76,000 EACH

SUSPEND WORK STA. 45+44.98

CONSTRUCTION OF TYPE II NOISE BARRIER WALLS ALONG U.S. 23 FROM I-475 TO MONROE ST., ALONG I.R 475 RAMPS FROM US-23 TO RAILROAD,

USGS MAP: SYVLANIA, OHIO

LATITUDE: 41° 41′ 02″ \* LONGITUDE: -83° 41′ 40″ \*

\* LATITUDE AND LONGITUDE TO APPROX. CENTER OF PROJECT

	LUC-4	75/23-9.56/9.63 NOISEWALL
1	9/10/20	ADDED PROP. GUARDRAIL
NO.	DATE	DESCRIPTION
		ISSUE RECORD

PROP. WHITEACRE NOISE BARRIER 2 WETLAND C WETLAND B--PROP. WHITEACRE NOISE BARRIER 1 WÉTLAND D

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