



**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 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:

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

â?¢ 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).

â?¢ 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:

â?¢ 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).

- o CRITERIA
- 1?§ ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY; AND,
- 1?§ AN AUTHORIZED SPEED LIMIT OF 45 MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION; AND,
- 1?§ 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.

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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 200 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.

**ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN**

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 800 FEET AND 650 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH C&MS 614.03.

TWO OF THE PCMS SHALL BE USED FOR ANTHONY WAYNE CLOSURE THE LAST PCMS SHALL BE USED FOR THE I-75 SB RAMP TO I-275 WB PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE.

THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

**ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN**

(THE PCMS SHALL CONTAIN A CELLULAR TELEPHONE DATA LINK WHICH WILL (IN ACTIVE CELLULAR PHONE AREAS) ALLOW REMOTE SIGN ACTIVATION, MESSAGE CHANGES, MESSAGE ADDITIONS AND REVISIONS TO TIME OF DAY PROGRAMS. THE SYSTEM SHALL ALSO PERMIT VERIFICATION OF CURRENT AND PROGRAMMED MESSAGES. ONE REMOTE DATA INPUT DEVICE (LAPTOP COMPUTER PLUS MODEM OR EQUIVALENT) SHALL BE FURNISHED FOR USE BY THE DISTRICT TRAFFIC ENGINEER, OR EQUIVALENT, AND SHALL BE INSURED AGAINST THEFT.) THE PCMS UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF C&MS 614.07. THE CONTRACTOR SHALL, PRIOR TO ACTIVATING THE UNIT, MAKE ARRANGEMENTS, WITH AN AUTHORIZED SERVICE AGENT FOR THE PCMS, TO ASSURE PROMPT SERVICE IN THE EVENT OF FAILURE. ANY FAILURE SHALL NOT RESULT IN THE SIGN BEING OUT OF SERVICE FOR MORE THAN 12 HOURS, INCLUDING WEEKENDS. FAILURE TO COMPLY MAY RESULT IN AN ORDER TO STOP WORK AND OPEN ALL TRAFFIC LANES AND/OR IN THE DEPARTMENT TAKING APPROPRIATE ACTION TO SAFELY CONTROL TRAFFIC. THE ENTIRE COST TO CONTROL TRAFFIC, ACCRUED BY THE DEPARTMENT DUE TO THE CONTRACTOR'S NONCOMPLIANCE, WILL BE DEDUCTED FROM MONEYS DUE, OR TO BECOME DUE TO THE CONTRACTOR ON HIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN 3 SIGN MONTHS ASSUMING 3 PCMS SIGN(S) FOR 1 MONTH

**INTERIM COMPLETION REQUIREMENTS**

THE PROJECT HAS AN INTERIM COMPLETION DATE OF 11/1/2026. ON OR BEFORE THE INTERIM COMPLETION DATE, ALL WORK ASSOCIATED WITH STRUCTURES HAM-126-1331L&R, AND HAM-126-1373N SHALL BE COMPLETED. THE CONTRACTOR SHALL BE ASSESSED A DAILY DISINCENTIVE IN THE AMOUNT SPECIFIED IN THE BELOW TABLE PER DAY FOR FAILURE TO COMPLETE ALL THE REQUIRED WORK AND ASSOCIATED INCIDENTALS RELATED TO THE WORK. DAILY DISINCENTIVES ARE APPLICABLE TO THE WORK REQUIRED TO THE INTERIM COMPLETION DATE ONLY. THE CONTRACTOR IS STILL SUBJECT TO LIQUIDATED DAMAGES AS OUTLINED IN CMS 108.07 FOR THE REMAINDER OF THE CONTRACT.

Description or Location of Critical Work	Completion Date	Time Period	Disincentive \$ per Time Period
STRUCTURES HAM-126-1331L&R, HAM-126-1373N: ALL WORK SHALL BE COMPLETED	11/1/2026	Day	\$2,500

DESIGN AGENCY



DESIGNER	NCD
REVIEWER	JDO 11-11-2025
PROJECT ID	112574
SHEET	8a
TOTAL	34

**UTILITIES**

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

**CINCINNATI BELL**

221 E.4" ST, BLDG, 121-900  
CINCINNATI, OH 45201  
513-565-7043 (MARK CONNER)  
MARK.CONNER@CINBELL.COM

**CINCINNATI BELL - AERIAL AND PLACING**

209 W. 7" ST. BLDG. 121-900  
CINCINNATI, OH 45202  
513-565-1296 (SEAN FLORA)  
SEAN.FLORA@CINBELL.COM

**TIME WARNER CABLE**

11252 CORNELL PARK DR  
CINCINNATI, OH 45202  
513-386-5499(KENT RIEGER)  
KENT.RIEGER@TWCABLE.COM

**DUKE ENERGY - ELECTRIC (DISTRIBUTION)**

139 E. 4" ST, RM 467A  
CINCINNATI, OH 45202  
513-287-3852 (CRAIG HUTCHISON)  
CRAIG.HUTCHISON@DUKE-ENERGY.COM

**DUKE ENERGY - GAS**

139 EAST 4" ST., ROOM 460A  
CINCINNATI, OH 45202  
513-287-1205 (KELSEY PACE)  
KELSEY.PACE@DUKE-ENERGY.COM

**CLERMONT COUNTY WATER RESOURCES**

4400 HASKELL LANE  
BATAVIA, OH 45103  
513-732-1320 (TIM CHERRY)  
TCHERRY@CO.CLERMONT.OH.US

**UTILITY NOTIFICATION**

THE OHIO DEPARTMENT OF TRANSPORTATION HAS UTILITY FACILITIES (HIGHWAY LIGHTING, TRAFFIC SIGNALS, AND ITS) WITHIN THE LIMITS OF THIS PROJECT.

IN ADDITION TO THE INFORMATION OUTLINED IN THE UTILITY NOTE OF THIS CONTRACT, THE CONTRACTOR SHALL TAKE THE FOLLOWING ACTION TO PROJECT ODOT'S FACILITIES DURING CONSTRUCTION:

HIGHWAY LIGHTING AND TRAFFIC SIGNALS:  
EVEN THOUGH ODOT IS LISTED AS A MEMBER OF THE OHIO UTILITIES PROTECTION SERVICE (OUPS), THE CONTRACTOR ON THIS PROJECT IS REQUIRED TO CONTACT ODOT, DISTRICT 8 TRAFFIC MAINTENANCE DEPARTMENT DIRECTLY SO THAT THE ODOT UTILITIES LOCATED WITHIN THIS PROJECT ARE MARKED. THE CONTRACTOR SHALL NOTIFY DISTRICT 8 TRAFFIC MAINTENANCE AT 513-933-6689 AND THE PROJECT ENGINEER, FOURTEEN (14) CALENDAR DAYS IN ADVANCE OF ANY WORK, FOR THE NEED TO MARK ODOT OWNED UTILITIES.

ITS:  
ITS FACILITIES AREN'T LISTED WITH OUPS, SO THE CONTRACTOR IS REQUIRED TO CONTACT ODOT CENTRAL OFFICE ITS LAB DIRECTLY SO THAT ODOT UTILITIES LOCATED WITHIN THIS PROJECT ARE MARKED. THE CONTRACTOR SHALL NOTIFY ODOT CENTRAL OFFICE ITS LAB AT THE CONTACT INFORMATION LISTED BELOW AND THE PROJECT ENGINEER, FOURTEEN (14) CALENDAR DAYS IN ADVANCE OF ANY WORK FOR THE NEED TO MARK ODOT OWNED UTILITIES

CENTRAL OFFICE ITS LAB  
614-387-4113 (PHONE)  
614-887-4134 (FAX)  
CEN.ITS.LAB@DOT.STATE.OH.US (EMAIL)

DISTRICT 88 ITS LOCATES PRIMARY CONTACT  
DENNY GRAY (513-615-3766)

THE ABOVE REQUIREMENTS ARE IN ADDITION TO SECTION 105.07 & 107.16 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS AND THE UTILITY PROPOSAL NOTE. THE CONTRACTOR SHALL NOTIFY OTHER UTILITIES THROUGH OUPS OR DIRECTLY A MINIMUM OF FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY WORK.

THE COST FOR THE ABOVE DESCRIBED WORK IS INCIDENTAL TO THE OVERALL BID PRICE OF THE PROJECT.

**PROTECTION OF FEDERALLY DESIGNATED SOLE SOURCE AQUIFER**

IN GREENE AND HAMILTON COUNTIES, THIS PROJECT IS LOCATED WITHIN THE GREATER MIAMI SOLE SOURCE AQUIFER. USE PROPER CONTAINMENT AND DIKING IN REFUELING AREAS. DO NOT STORE FUELS, TOXIC/HAZARDOUS MATERIALS, AND CHEMICALS NEAR DRAINAGE WAYS, DITCHES, OR STREAMS. MAINTAIN A SPILL KIT ON-SITE THROUGHOUT CONSTRUCTION ACTIVITIES. IMMEDIATELY MITIGATE ANY EVENT, SUCH AS A SPILL OF FUELS, OILS, OR CHEMICALS THAT COULD THREATEN TO CONTAMINATE THE DRINKING WATER SUPPLY

FOR GREENE COUNTY:  
REPORT ALL SPILLS OR EVENTS TO THE GREENE COUNTY DISASTER SERVICES 937-562-5994. IF THE SPILL IS A REPORTABLE AMOUNT (PER OHIO EPA'S RELEASE REPORTING REQUIREMENTS), CONTACT THE BEAVERCREEK TWP. FIRE DEPARTMENT 62 AT 937-426-1213 OR THE OHIO EPA'S SPILLS HOTLINE 1-800-282-9378 FOR CLEAN-UP OF THE SPILL.

FOR HAMILTON COUNTY:  
REPORT ALL SPILLS OR EVENTS TO THE HAMILTON COUNTY EMERGENCY DEPARTMENT AT 513-262-8200. IF THE SPILL IS A REPORTABLE AMOUNT (PER OHIO EPA'S RELEASE REPORTING REQUIREMENTS), CONTACT THE LOVELAND-SYMMES FIRE STATION 50 AT 513-792-7330 OR THE OHIO EPA'S SPILLS HOTLINE 1-800-282-9378 FOR CLEAN-UP OF THE SPILL.

**ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN**

PATCH EXISTING CONCRETE NOISE WALL PANELS WHERE CRACKING OR SPALLING HAS OCCURRED AND FULL PANEL REPLACEMENT IS NOT REQUIRED. A CONCRETE SEALER SHALL BE APPLIED TO THE REPAIRED AREAS OF THE PANELS THAT MATCHES THE EXISTING SEALER COLOR AS CLOSELY AS POSSIBLE. FINAL COLOR MATCH SHALL BE APPROVED BY THE ENGINEER.

SEALER APPLICATION SHALL CONFORM TO ALL REQUIREMENTS OF STANDARD CONSTRUCTION DRAWING NBS-1-09. REPAIR LOCATIONS ARE IDENTIFIED IN THE NOISE WALL SUBSUMMARY TABLE ON SHEET 11.

THE DEPARTMENT WILL INCLUDE ALL MATERIALS, TOOLS, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE PATCHING AND APPLICATION OF THE SEALER WITH ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN; SQUARE FOOT

**BARRIER PATTERN AND COLOR**

THE CONTRACTOR MUST MAINTAIN UNIFORMITY OF BARRIER TYPE, TEXTURE, JOINTS, PATTERN, AND COLOR AT EACH LOCATION. (EXCEPT AS NOTED)

HAM-126: STEEL PANELS (TO BE REPLACED WITH FIBERGLASS) - TAN(30450), CONCRETE PANELS - LIGHT GRAY(36628)

GRE-675: STEEL (TO BE REPLACED WITH FIBERGLASS) - BROWN (10219) CONCRETE - BEIGE(17778)

HAM-71: CONCRETE - TAN(30450)

BUT-75: CONCRETE - GRAY (16515)

HAM-75: CONCRETE - GRAY (16515)

SEE SHEET 13 FOR EXAMPLES

**ITEM 606 - NOISE BARRIER, STEEL POSTS**

THIS ITEM SHALL CONSIST OF THE REPLACEMENT OF THE EXISTING STEEL NOISE BARRIER POSTS. THIS ITEM SHALL INCLUDE ALL NECESSARY BOLTS, PLATES, AND OTHER HARDWARE REQUIRED TO INSTALL THE STEEL POSTS

CONTRACTOR TO FIELD VERIFY STEEL POST LENGTH AND TYPE PRIOR TO ORDERING. FOR BIDDING PURPOSES THE APPROXIMATE POST HEIGHT AND TYPES ARE:

- HAM-126:
  - 14' - W14X28..... 2 EACH
  - 16' - W14X28..... 1 EACH
- GRE-675:
  - 12' - W14X28..... 5 EACH

SEE SHEET 11 FOR DETAILS

THIS ITEM SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER BID UNDER ITEM 606 - NOISE BARRIER, STEEL POSTS, EACH

**ITEM 606 - SPECIAL - NOISE BARRIERS (REFLECTIVE OR ABSORPTIVE) CONCRETE PANEL**

THIS ITEM WILL BE USED TO INSTALL REFLECTIVE OR ABSORPTIVE CONCRETE NOISE PANELS IN THE SECTIONS DEFINED IN THE NOISE WALL REPLACEMENT SHEET. SEE SHEET 12 FOR THE LOCATION OF INSTALLATION.

FOLLOW STANDARD DRAWING NBS-1-09 AND THE DETAILS OF THESE PLANS. AFTER THE EXISTING NOISE PANELS HAVE BEEN REMOVED AND PRIOR TO INSTALLING THE NEW PANELS, REGRADE THE GROUND BETWEEN THE EXISTING STEEL POSTS TO ENSURE A SMOOTH DRAINAGE SURFACE FREE OF ALL IRREGULARITIES. AFTER REMOVING ALL MATERIAL, THE WEBS AND INSIDE FLANGES SHALL BE ABRASIVELY CLEANED BEFORE INSTALLING NEW CONCRETE PANELS.

ANY ADDITIONAL EMBANKMENT THAT IS REQUIRED TO OBTAIN THE 6" MINIMUM BURY AND FILL ANY VOIDS REMAINING FROM THE PREVIOUS PANELS IS INCLUDED IN THIS ITEM FOR PAYMENT.

PLAN QUANTITIES FOR REPLACEMENT PANELS HAVE BEEN BASED ON THE AREAS REMOVED.

THESE PANELS ARE TO REPLACE THE EXISTING DAMAGED PANELS AND SHALL BE DESIGNED TO FIT WITHIN THE EXISTING POSTS WITH COVERS, AND SHOULD BE KEPT TIGHT TO THE HIGHWAY FACE. THE CONTRACTOR SHALL PROVIDE SUPPORTS TO HOLD THE PANELS IN PLACE BOTH IN ELEVATION AND LATERALLY.

ACCEPTANCE REQUIREMENTS SHALL BE PER THE STANDARD DRAWING, EXCEPT THAT THE CONTRACTOR SHALL DELIVER TO THE JOB SITE AND ERECT ONE FULL BAY (POST TO POST) WITH PANELS AND COVERS REPRESENTATIVE OF THE FINAL PRODUCT FOR APPROVAL BY THE ENGINEER.

REPLACEMENT PANELS SHALL BE SUBMITTED TO THE DISTRICT ENVIRONMENTAL COORDINATOR (DEC) FOR REVIEW AND APPROVAL BEFORE THEY ARE ORDERED AND MANUFACTURED. A SUBMITTAL SHOULD INCLUDE PHOTOS AND COMPLETE DESCRIPTION, DEPTH OF GROOVES AND MATCHING FEDERAL COLOR. ACTUAL SAMPLES OF PANELS ARE NOT NEEDED. FINISH NEW PANELS WITH NOISE BARRIER COATING. SEAL THE HIGHWAY FACING SIDE OF THE NOISE BARRIER FROM THE EXISTING GROUND LEVEL/TOP OF CONCRETE BARRIER TO TOP OF WALL.

PAYMENT FOR ALL OF THE ABOVE, INCLUDING AESTHETIC TREATMENT DETAILS, SHALL BE INCLUDED IN THE UNIT PRICE PER SQUARE FOOT FOR ITEM 606 - SPECIAL - NOISE BARRIER: CONCRETE PANELS UNLESS OTHERWISE NOTED, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

**ITEM 202 - REMOVAL MISC.: NOISE BARRIER STEEL POST REMOVAL**

THIS ITEM SHALL CONSIST OF ANY REMOVAL AND DISPOSAL OF EXISTING STEEL NOISE BARRIER POSTS. CARE SHALL BE TAKEN TO PREVENT DAMAGE TO MOUNTING BOLTS DURING THE REMOVAL OF THE NOISE BARRIER POST.

THIS ITEM SHALL BE PAID FOR AT THE CONSTRUCT UNIT PRICE PER BID UNDER ITEM 202 - REMOVAL MISC.: NOISE BARRIER STEEL POST REMOVAL, EACH.

**UNDAMAGED PANELS ABOVE DAMAGED PANELS**

THE INTENT OF THE QUANTITIES OF THE PANEL REPLACEMENTS IS THAT ANY EXISTING UNDAMAGED PANELS ABOVE A DAMAGED PANEL ARE TO BE REMOVED AND REINSTALLED PER ITEM 606 - SPECIAL - NOISE BARRIER PANEL REMOVAL AND REUSE.

**ITEM 606 - SPECIAL - NOISE BARRIER PANEL REMOVAL AND REUSE**

THIS ITEM SHALL CONSIST OF ANY REMOVAL, STORAGE, AND RE-INSTALLATION OF EXISTING CONCRETE NOISE PANELS. IT WILL ALSO INCLUDE THE REMOVAL, STORAGE AND RE-INSTALLATION OF EXISTING POST CAPS (IF ANY), AND THE REMOVAL, STORAGE, DISPOSAL AND REPLACEMENT OF ANY CLIP ANGLES, SUPPORTS AND/OR OTHER APPURTENANCES THAT MAY BE IN CONFLICT WITH THE PROPOSED DESIGN. DISPOSAL SHALL FOLLOW ANY APPLICABLE LOCAL, STATE OR FEDERAL LAWS REGARDING SUCH DISPOSAL. CARE SHALL BE TAKEN TO NOT DAMAGE THE EXISTING PANELS DURING REMOVAL, STORAGE, AND REINSTALLATION. REPAIR OR REPLACE DAMAGED PANELS AT NO COST TO THE PROJECT.

CARE SHALL BE TAKEN WITH REMOVAL AS TO NOT DAMAGE ANY PORTION OF THE EXISTING NOISE BARRIER POST AND FOUNDATION THAT IS TO REMAIN. REPLACE OR REPAIR POSTS DAMAGED BY PANEL REMOVAL OPERATIONS AT NO COST TO THE PROJECT. AT LEAST SEVEN (7) BUSINESS DAYS BEFORE PERFORMING REPAIR WORK, SUBMIT REPAIR PLAN, DEVELOPED BY AN OHIO REGISTERED PROFESSIONAL ENGINEER TO THE ENGINEER. OBTAIN ENGINEER'S APPROVAL BEFORE PERFORMING THE REPAIR.

REMOVED AND REUSED NOISE BARRIER PANELS SHALL BE REINSTALLED WITHIN 1 WEEK OF THE REMOVAL OF THE PANELS.

THIS ITEM SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE BID PER EACH UNDER ITEM 606, SPECIAL - NOISE BARRIER PANEL REMOVAL AND REUSE.

**FIELD VERIFICATION OF PANEL DIMENSIONS**

PRIOR TO THE FABRICATION/CASTING OF ALL NEW PANELS, CONTRACTOR IS TO FIELD VERIFY THE EXISTING PANEL DIMENSIONS. FIELD VERIFICATION OF EXISTING DIMENSIONS IS INCLUDED IN THE UNIT PRICE BID FOR THE PANEL.

**EXISTING PLANS**

THE EXISTING GRE-675 FIBERGLASS NOISE WALL DETAILS CONSTRUCTED WITH PID 85364 ARE INCLUDED AS REFERENCE FILES.

**CLEARING AND GRUBBING**

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

CLEARING AND GRUBBING WORK IS ONLY REQUIRED AS NEEDED AT NOISE WALL LOCATIONS WHERE INSPECTION OR WORK IS PROPOSED.

DESIGN AGENCY



DESIGNER  
NCD

REVIEWER  
JDO 08-07-25

PROJECT ID  
112574

SHEET TOTAL  
6 34



