

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: FIBERGLASS - DARK NEUTRAL(10324) 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), CONCRETE PANEL

THIS ITEM WILL BE USED TO INSTALL REFLECTIVE 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

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

NBS-1-09 REVISED 1/17/2025

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE 9TH EDITION OF THE LRFD BRIDGE DESIGN SPECIFICATIONS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

EXISTING STRUCTURE VERIFICATION

EXISTING STRUCTURE VERIFICATION: DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. BEFORE ORDERING MATERIALS EXISTING DIMENSIONS SHALL BE FIELD VERIFIED AS REQUIRED TO ACCURATELY JOIN THE PROPOSED ELEMENTS WITH THE EXISTING STRUCTURE. PAYMENT FOR THE FIELD VERIFICATION SHALL BE COMPENSATED UNDER THE RESPECTIVE PAY ITEM FOR THAT WORK. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05, 105.02 AND 513.04.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS WHICH HAVE BEEN VERIFIED IN THE FIELD.

EXISTING STRUCTURE PLANS

THE EXISTING STRUCTURE PLANS ARE AVAILABLE ONLINE THROUGH THE FOLLOWING WEBSITE:
<ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/D08-112574/Reference Files/>

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH ALL PERTINENT EXISTING DRAWINGS AND DETAILS RELEVANT TO THIS PROJECT.

ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN

THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES AND THAT ARE NOT SEPARATELY LISTED FOR PAYMENT. ITEMS TO BE REMOVED INCLUDE ALL EXISTING MATERIALS BEING REPLACED BY NEW CONSTRUCTION AND MISCELLANEOUS ITEMS THAT ARE NOT SHOWN TO BE INCORPORATED INTO THE FINAL CONSTRUCTION AND ARE DIRECTED TO BE REMOVED BY THE ENGINEER. THE DEPARTMENT WILL NOT PERMIT THE USE OF EXPLOSIVES, HEADACHE BALLS AND/OR HOE-RAMS. DO NOT BEGIN WORK UNTIL THE ENGINEER ACCEPTS THE METHOD OF REMOVAL. PERFORM ALL WORK IN A MANNER THAT WILL NOT CUT, ELONGATE OR DAMAGE THE EXISTING CONCRETE REINFORCEMENT TO BE PRESERVED. CHIPPING HAMMERS SHALL NOT BE HEAVIER THAN THE NOMINAL 90-POUND CLASS. PNEUMATIC HAMMERS SHALL NOT BE PLACED IN DIRECT CONTACT WITH CONCRETE REINFORCEMENT THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE. SUBMIT CONSTRUCTION PLANS ACCORDING TO C&MS 501.05.

THIS WORK INCLUDES THE REMOVAL OF THE EXISTING ABUTMENT BEARINGS AT THE FORWARD AND REAR ABUTMENTS OF STRUCTURES HAM-126-1331L, HAM-126-1331R, & HAM-126-1373N.

ITEM 202 - REMOVAL MISC.: NOISE BARRIER PANEL

THIS WORK CONSISTS OF ANY REMOVAL AND DISPOSAL OF EXISTING NOISE BARRIER PANELS. ALSO INCLUDED IN THIS ITEM IS THE REMOVAL AND DISPOSAL OF ANY CLIP ANGLES AND/OR OTHER APPURTENANCES THAT MAY BE IN CONFLICT WITH THE PROPOSED DESIGN. CARE SHALL BE TAKEN WITH REMOVAL AS TO NOT DAMAGE ANY THE EXISTING STRUCTURE OR ANY PORTION OF THE EXISTING NOISE BARRIER POST THAT IS TO REMAIN. REPLACE OR REPAIR POSTS DAMAGED BY PANEL REMOVAL OPERATIONS AT NO COST TO THE PROJECT.

THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND THE DISTRICT OFFICE PRIOR TO THE REMOVAL OF EXISTING NOISE WALL SHEATHING IN AREAS WHERE POSTS ARE TO REMAIN IN PLACE. UPON REMOVAL OF THE SHEATHING, THE EXISTING POSTS SHALL BE INSPECTED BY ODOT FOR STRUCTURAL DAMAGE, LOSS OF SECTION SUCH AS CORROSION OR DEFORMATION, AND MISSING OR DAMAGED HARDWARE INCLUDING BOLTS AND NUTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST FIVE (5) WORKING DAYS IN ADVANCE OF THE ANTICIPATED SHEATHING REMOVAL TO ALLOW FOR SCHEDULING OF THE INSPECTION. THE CONTRACTOR SHALL PROVIDE SAFE AND ADEQUATE ACCESS FOR INSPECTION. NO FURTHER WORK ON THE POSTS OR INSTALLATION OF NEW SHEATHING SHALL PROCEED UNTIL THE ENGINEER HAS COMPLETED THE INSPECTION AND PROVIDED WRITTEN DIRECTION.

ALL ASSOCIATED COSTS FOR REMOVAL, COORDINATION, INSPECTION ACCESS SHALL BE PAID AT THE BID UNIT PRICE FOR ITEM 606 - SPECIAL - NOISE BARRIER REMOVED. ANY POST FOUND TO BE DAMAGED, STRUCTURALLY COMPROMISED, OR MISSING REQUIRED HARDWARE SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER. REPAIRS SHALL BE BE ADDRESSED PER CMS 109.05. AND BASED ON THE UNIT PRICE FOR ITEM 606 - SPECIAL - NOISE BARRIER, POST REMOVAL AND REPLACEMENT.

ITEM 510 - DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN:

INSTALL GALVANIZED DOWEL BARS ACCORDING TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR BLACK REBAR PUBLISHED IN THE ICC-ES REPORTS LISTED BELOW. THE HOLES FOR THE ADHESIVE ANCHORS SHALL BE DRILLED WITH A HAMMER DRILL AND CARBIDE BIT. PRIOR TO THE INSTALLATION OF THE ANCHORS, THE HOLES SHALL BE CLEANED AND DRIED IN A MANNER CONSISTENT WITH THE MANUFACTURER'S REQUIREMENTS FOR DRY CONCRETE.

SELECT FROM ONE OF THE FOLLOWING APPROVED PRODUCTS:

- HILTI HIT-HY 200 ADHESIVE ANCHORS (ICC-ES REPORT ESR-3187)
- DEWALT PURE110+ EPOXY ADHESIVE ANCHOR SYSTEM (ICC-ES REPORT ESR-3298)
- SIMPSON STRONG-TIE SET-3G EPOXY ADHESIVE ANCHORS (ICC-ES REPORT ESR-4057)
- ATC ULTRABOND HS-1CC ADHESIVE ANCHOR SYSTEM (ICC-ES REPORT ESR-4094)

THE MANUFACTURER'S INSTALLATION INSTRUCTION PUBLISHED IN THE ICC-ES REPORTS FOR ACCEPTABLE PRODUCTS ARE AVAILABLE AT:
<https://icc-es.org/evaluation-report-program/>

ITEM 606 - SPECIAL - NOISE BARRIER (REFLECTIVE)

THIS WORK CONSISTS OF THE INSTALLATION OF REFLECTIVE FIBERGLASS NOISE PANELS. FOLLOW STANDARD DRAWING NBS-1-09 FOR DESIGN LOADS, DESIGN LOAD CASES, SHOP DRAWING REQUIREMENTS, PANEL DIMENSIONAL TOLERANCES AND ACCEPTANCE REQUIREMENTS. INSTALL THE NOISE WALL PANELS ACCORDING TO THE NOISE WALL MANUFACTURER'S SPECIFICATIONS.

CLEAR BRUSH AND NEATLY TRIM AND/OR REMOVE TREES IN CONFLICT WITH THE PROPOSED NOISE BARRIER. INSTALL NOISE BARRIERS IN ACCORDANCE WITH THE PROJECT PLANS. SECURE JOINTS AND CONNECTIONS IN SUCH A MANNER AS TO BE STRUCTURALLY ADEQUATE WITH NO VISIBLE OPENINGS FOR SOUND TRANSMISSION. NOISE PANEL ATTACHMENTS TO POSTS AND INSTALLATION METHODS SHALL BE STRUCTURALLY ADEQUATE, GIVE SUFFICIENT SUPPORT TO THE NOISE PANELS, AND BE ADEQUATELY BLOCKED BETWEEN THE POST'S FLANGES TO ELIMINATE MOVEMENT AT THE SUPPORT AND ELIMINATE ANY POSSIBLE VIBRATION.

ITEM 606 - SPECIAL - NOISE BARRIER (REFLECTIVE) (CONTINUED)

INSTALL TEMPORARY FENCE WHEN THE TIME BETWEEN THE REMOVAL OF THE EXISTING FENCE AND THE INSTALLATION OF THE PROPOSED FENCE OR NOISE BARRIER WILL EXCEED ONE DAY. INSTALL THIS FENCE IMMEDIATELY AFTER THE EXISTING FENCE IS REMOVED. THE TEMPORARY FENCE SHALL BE A WOOD SNOW FENCE OR PLASTIC NYLON CONSTRUCTION FENCE. FOR EACH NOISE BARRIER SECTION, DO NOT REMOVE THE EXISTING FENCE EARLIER THAN 3 MONTHS PRIOR TO THE COMPLETED INSTALLATION OF THE NOISE BARRIER PANELS.

SELECT AN ODOT APPROVED REFLECTIVE NOISE BARRIER SUPPLIER FROM THE LIST BELOW, OR APPROVED EQUAL:

VALMONT COMPOSITE STRUCTURES/CARSONITE COMPOSITES
19845 US HIGHWAY 76 NEWBERRY, SOUTH CAROLINA 29108
TELEPHONE: (800)648-7916
LEAH BLACKMON < LEAH.BLACKMON@VALMONT.COM >

M.H. CORBIN, INC.
8355 RAUSCH DRIVE PLAIN CITY, OHIO 43064
OFFICE: 614-873-5216 | FAX: 614-873-8095 | CELL: 614-402-1340
BILL CORBIN <BCORBIN@MHCORBIN.COM >

THESE PANELS ARE TO REPLACE THE EXISTING STEEL PANELS AND SHALL BE FABRICATED TO FIT WITHIN THE EXISTING POSTS WITH COVERS. THE PANELS SHALL BE INSTALLED TO BE KEPT TIGHT TO THE INSIDE OF THE FLANGE OF THE POST NEAREST TO THE ROADWAY. PLAN QUANTITIES FOR REPLACEMENT PANELS HAVE BEEN BASED ON THE AREAS REMOVED.

PROVIDE FIBERGLASS POST COVERS FOR THE POSTS OF THE BRIDGE MOUNTED NOISE BARRIER ON THE ROADWAY SIDE OF THE WALL. THE POST COVERS SHALL BE CONSIDERED INCIDENTAL TO ITEM 606 - SPECIAL - NOISE BARRIER (REFLECTIVE).

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

PAYMENT FOR NOISE BARRIERS IS FULL COMPENSATION FOR FURNISHING AND INSTALLING PANELS, CAPS, CONNECTIONS, SAMPLE POST(S) AND PANEL(S), AND OTHER ITEMS THAT DO NOT HAVE SEPARATE PAY ITEMS BUT ARE NECESSARY TO COMPLETE THE NOISE BARRIER.

ITEM 516 - JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN

THIS WORK CONSISTS OF RAISING OR RE-POSITIONING EXISTING STRUCTURES TO THE DIMENSIONS AND REQUIREMENTS DEFINED IN THE PROJECT PLANS. SUBMIT CONSTRUCTION PLANS IN ACCORDANCE WITH C&MS 501.05. IF, DURING THE JACKING OPERATIONS, CRACKING OF THE CONCRETE SUPERSTRUCTURE, SEPARATION OF THE CONCRETE DECK FROM THE STEEL STRINGERS, OR OTHER DAMAGE TO THE STRUCTURE IS VISUALLY OBSERVED, IMMEDIATELY CEASE THE JACKING OPERATION AND INSTALL SUPPORTS TO THE SATISFACTION OF THE ENGINEER. ANALYZE THE DAMAGE AND SUBMIT A METHOD OF CORRECTION TO THE ENGINEER FOR APPROVAL. EPOXY INJECT ALL BEAMS THAT SEPARATE FROM THE DECK FOR A DISTANCE OF THE SEPARATION IN ACCORDANCE WITH C&MS 512.07. THE DEPARTMENT WILL NOT PAY FOR THE COST OF THIS EPOXY INJECTION OR OTHER REQUIRED REPAIRS. THE BRIDGE BEARINGS SHALL BE FULLY SEATED ALL CONTACT AREAS. IF FULL SEATING IS NOT ATTAINED, SUBMIT A REPAIR PLAN TO THE ENGINEER. THE DEPARTMENT WILL NOT PAY FOR THE REPAIR COSTS TO ENSURE FULL SEATING ON BEARINGS. THE DEPARTMENT WILL MEASURE THIS WORK ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES AT THE CONTRACT PRICE FOR ITEM 516, JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN.

ITEM 530 - SPECIAL STRUCTURES MISC.: CLEANING OF BEAM SEATS

AT FORWARD AND REAR ABUTMENTS, REMOVE WITH A SHOVEL, BROOM, HAND SCRAPER OR OTHER MECHANICAL MEANS, INCLUDING PRESSURE WASHING WITH THE USE OF POTABLE WATER, ALL GROSS SOLIDS FROM THE ENTIRE BEAM SEATS AND AROUND ALL AREAS SURROUNDING THE BEAM BEARINGS. ALL MATERIAL REMOVED SHALL BE DISPOSED OF AS PER 105.16 AND 105.17.

ALL COSTS INCLUDING LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS TO PERFORM THIS WORK AS APPROVED BY THE ENGINEER, SHALL BE PAID FOR AT THE UNIT PRICE BID EACH, FOR ITEM 530 - SPECIAL STRUCTURES MISC.: CLEANING OF BEAM SEATS (EACH)

ITEM 606 - SPECIAL - NOISE BARRIER, POST REMOVAL AND REUSE

THIS WORK CONSISTS OF THE REMOVAL AND REINSTALLATION OF THE EXISTING SALVAGEABLE NOISE BARRIER POSTS. ALL BOLTS, PLATES, AND MATERIALS REQUIRED TO INSTALL THE SALVAGEABLE POSTS MOUNTED TO THE BRIDGE IS TO BE INCLUDED IN THIS BID ITEM. THE FOLLOWING BID ITEM HAS BEEN INCLUDED IN THE GENERAL SUMMARY:

ITEM 606- SPECIAL - NOISE BARRIER, POST REMOVAL AND REUSE - 1 EACH

ITEM 606 - SPECIAL - NOISE BARRIER, POST REMOVAL AND REPLACEMENT

THIS WORK CONSISTS OF THE REMOVAL OF THE EXISTING NOISE BARRIER POSTS AND REPLACEMENT WITH NEW SUPPORT POSTS AS INDICATED AND SPECIFIED IN THE PLANS. ALL BOLTS, PLATES, AND MATERIALS REQUIRED TO INSTALL THE NEW POSTS MOUNTED TO THE BRIDGE IS TO BE INCLUDED IN THIS BID ITEM. THE FOLLOWING BID ITEM HAS BEEN INCLUDED IN THE GENERAL SUMMARY:

ITEM 606- SPECIAL - NOISE BARRIER, POST REMOVAL AND REUSE - 2 EACH

ITEM 606 - SPECIAL - NOISE BARRIER, LIGHT POLE ACCESS OPENING WITH COVER PLATE

THIS ITEM CONSISTS OF PLACING A RECTANGULAR OPENING IN THE NOISE BARRIER FOR ACCESS TO THE BRIDGE MOUNTED LIGHT POLES AND BASE. THE ACCESS OPENING SHALL BE PLACED AT THE BASE OF THE NOISE BARRIER AND SHALL INCLUDE A REMOVABLE STEEL PLATE COVER WITH COVER SCREWS. THE ACCESS OPENING WITH STEEL PLATE COVER SHALL BE DIMENSIONED TO ALLOW FOR CLEARANCE BETWEEN THE BACK OF THE NOISE WALL PANEL AND THE FRONT OF THE LIGHT POLE AND BASE, AS TO NOT CREATE A PHYSICAL CONFLICT WITH THE NEW NOISE WALL PANELS AND THE EXISTING LIGHT POLE AND BASE.

THE FABRICATOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER AND THE DISTRICT OFFICE OF PLANNING AND ENGINEERING BEFORE THE START OF FABRICATION. THE CONTRACTOR AND FABRICATOR MUST COORDINATE THESE SHOP DRAWINGS. ENSURE THAT SHOP DRAWINGS MEET REQUIREMENTS FOR MATERIALS, FIELD MEASUREMENTS, CONSTRUCTION REQUIREMENTS, CONTRACT REQUIREMENTS, PERFORMANCE CRITERIA, AND SIMILAR DATA. THE COORDINATION MUST ALSO INCLUDE DETAILS OF THE WORK TO BE PERFORMED BY OTHER FABRICATORS AND ENTITIES ON THE PROJECT. THE DEPARTMENT WILL NOT MAKE ALLOWANCE FOR ADDITIONAL COST OR DELAYS TO THE CONTRACTOR FOR INCORRECT FABRICATION AS A RESULT.

THE UNIT PRICE BIDS SHALL INCLUDE ALL MATERIALS, LABOR AND INCIDENTALS NECESSARY TO FURNISH AND INSTALL LIGHT POLE ACCESS OPENINGS WITH COVER PLATES. PAYMENT WILL BE MADE AT THE CONTRACT PRICE FOR ITEM 606 - SPECIAL - NOISE BARRIER, LIGHT POLE ACCESS OPENING WITH COVER PLATE.

DESIGN AGENCY



DESIGNER

GTF

REVIEWER

SRK 5-13-2025

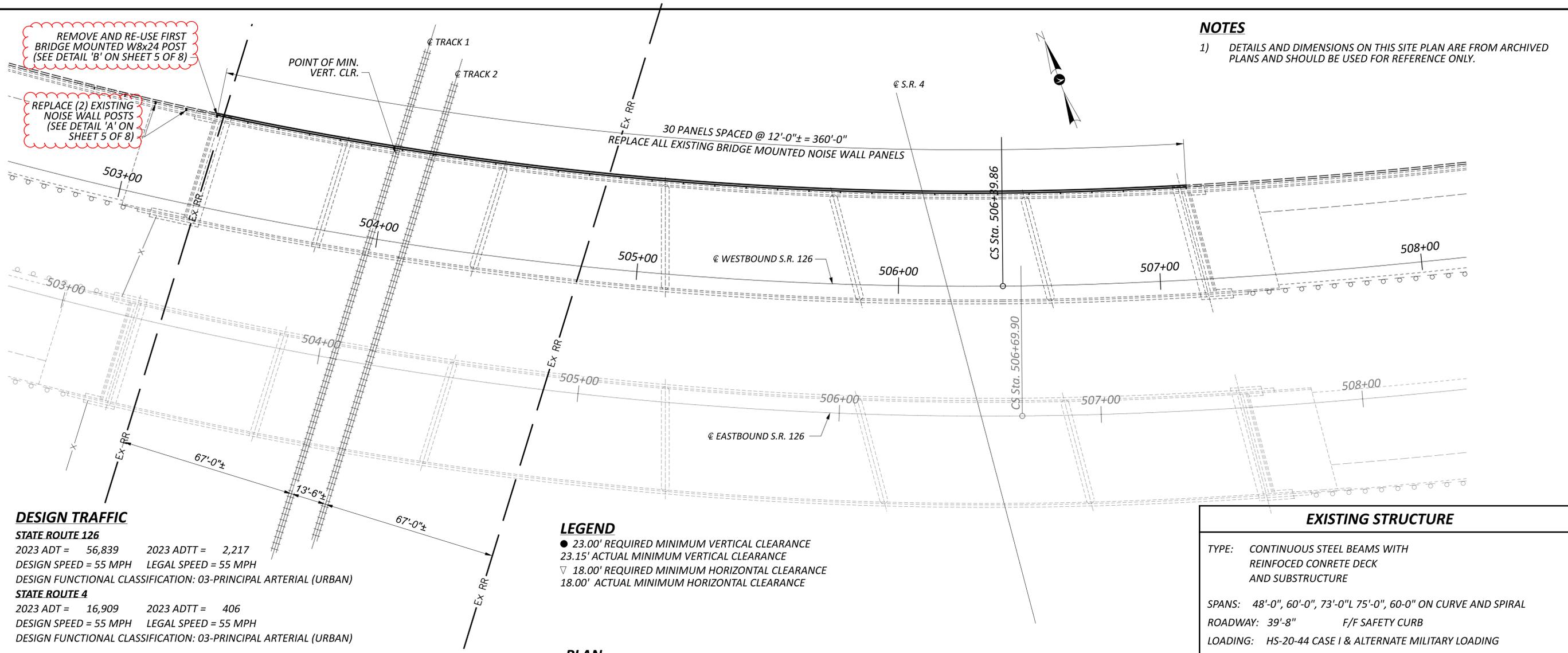
PROJECT ID

112574

SHEET

TOTAL

13 | 34



DESIGN TRAFFIC

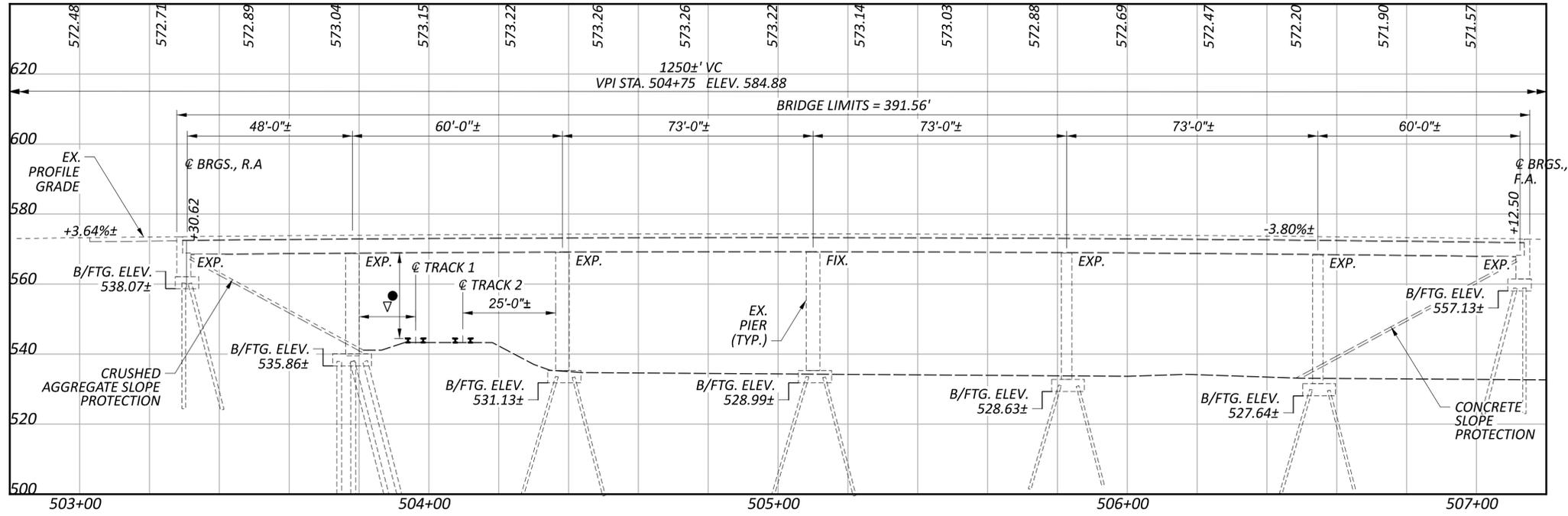
STATE ROUTE 126
 2023 ADT = 56,839 2023 ADTT = 2,217
 DESIGN SPEED = 55 MPH LEGAL SPEED = 55 MPH
 DESIGN FUNCTIONAL CLASSIFICATION: 03-PRINCIPAL ARTERIAL (URBAN)

STATE ROUTE 4
 2023 ADT = 16,909 2023 ADTT = 406
 DESIGN SPEED = 55 MPH LEGAL SPEED = 55 MPH
 DESIGN FUNCTIONAL CLASSIFICATION: 03-PRINCIPAL ARTERIAL (URBAN)

LEGEND

- 23.00' REQUIRED MINIMUM VERTICAL CLEARANCE
 23.15' ACTUAL MINIMUM VERTICAL CLEARANCE
- ▽ 18.00' REQUIRED MINIMUM HORIZONTAL CLEARANCE
 18.00' ACTUAL MINIMUM HORIZONTAL CLEARANCE

PLAN



PROFILE ALONG WESTBOUND LANES

NOTES

- 1) DETAILS AND DIMENSIONS ON THIS SITE PLAN ARE FROM ARCHIVED PLANS AND SHOULD BE USED FOR REFERENCE ONLY.

EXISTING STRUCTURE

TYPE: CONTINUOUS STEEL BEAMS WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: 48'-0", 60'-0", 73'-0" L 75'-0", 60'-0" ON CURVE AND SPIRAL
 ROADWAY: 39'-8" F/F SAFETY CURB
 LOADING: HS-20-44 CASE I & ALTERNATE MILITARY LOADING
 SKEW: VARIES
 WEARING SURFACE: 1 1/4" LATEX MODIFIED CONCRETE OVERLAY
 APPROACH SLABS: AS-1-81
 ALIGNMENT: 4°00'00" CURVE LEFT AND SPIRAL
 CROWN: SUPERELEVATED (0.08 FT/FT MAX.)
 STRUCTURE FILE NUMBER: 3118460
 DATE BUILT: 1990
 DISPOSITION: TO BE REHABILITATED
 DECK AREA: 15,260 SF
 COORDINATES: LATITUDE 39° 12' 21.93"
 LONGITUDE -84° 28' 32.38"

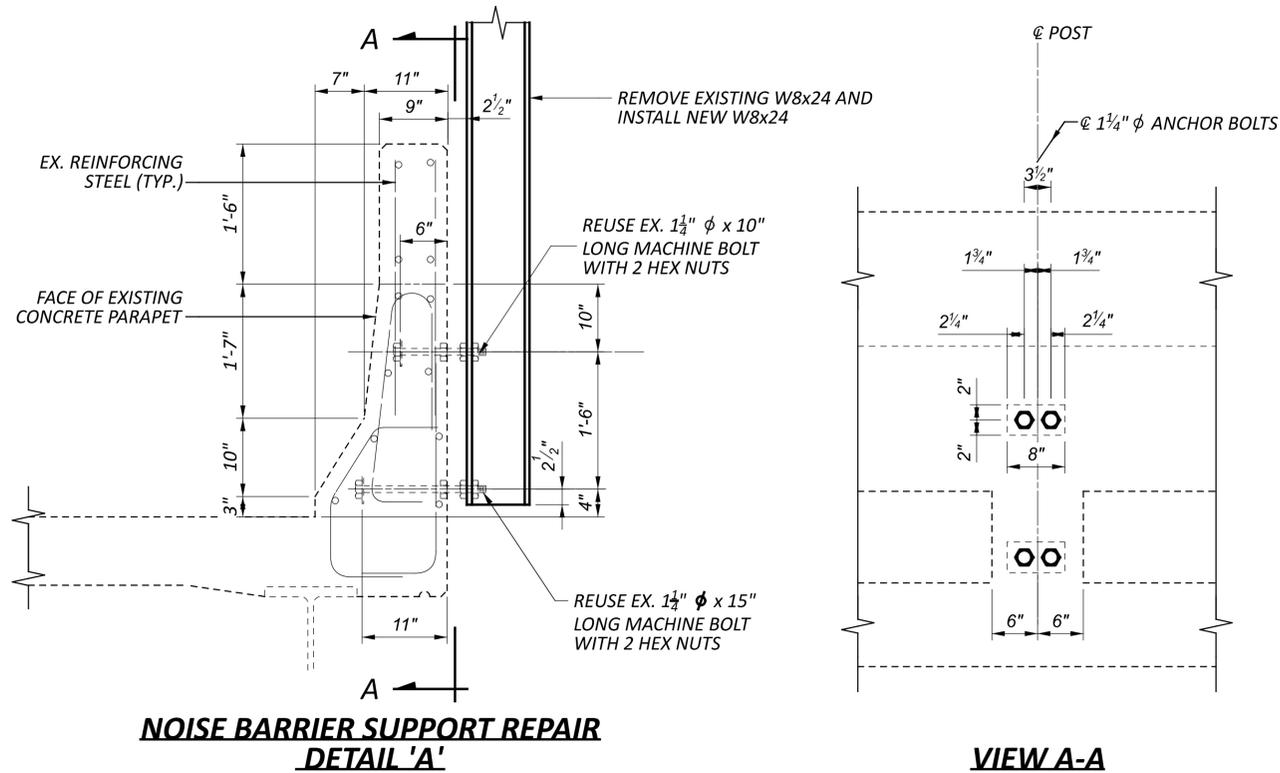
PROPOSED WORK

- 1) REPLACE ALL EXISTING NOISE WALL PANELS.
- 2) REPLACE THE TWO UNCOATED NOISE WALL POSTS ON THE NORTHWEST WINGWALL WITH NEW GALVANIZED SOUNDWALL POSTS.
- 3) REMOVE FOR RE-USE THE FIRST SOUNDWALL POST FROM THE WEST EXPANSION JOINT. REPLACE BOLTS, NUTS, & WASHERS.
- 4) REPAIR OR REPLACE DAMAGED OR DETERIORATED POSTS AS REQUIRED BY THE ENGINEER UPON INSPECTION OF THE POSTS AFTER REMOVAL OF THE EXISTING NOISE WALL PANELS.
- 5) REPLACE EXISTING ABUTMENT BEARINGS WITH NEW ELASTOMERIC BEARINGS.
- 6) SEAL THE EXISTING ABUTMENTS WITH EPOXY URETHANE SEALER.
- 7) FIELD PAINT 15' OF STRUCTURAL STEEL ENDS PER OZEU SPECIFICATIONS.



SITE PLAN
 BRIDGE No.: HAM-126-1331L
 STATE ROUTE 126 OVER STATE ROUTE 4 AND CSX TRANSPORTATION

SFN	3118460
DESIGN AGENCY	
DESIGNER	GTF
CHECKER	BCP
REVIEWER	CAH
PROJECT ID	112574
SUBSET	TOTAL
1	8
SHEET	TOTAL
15	34



**NOISE BARRIER SUPPORT REPAIR
DETAIL 'A'**

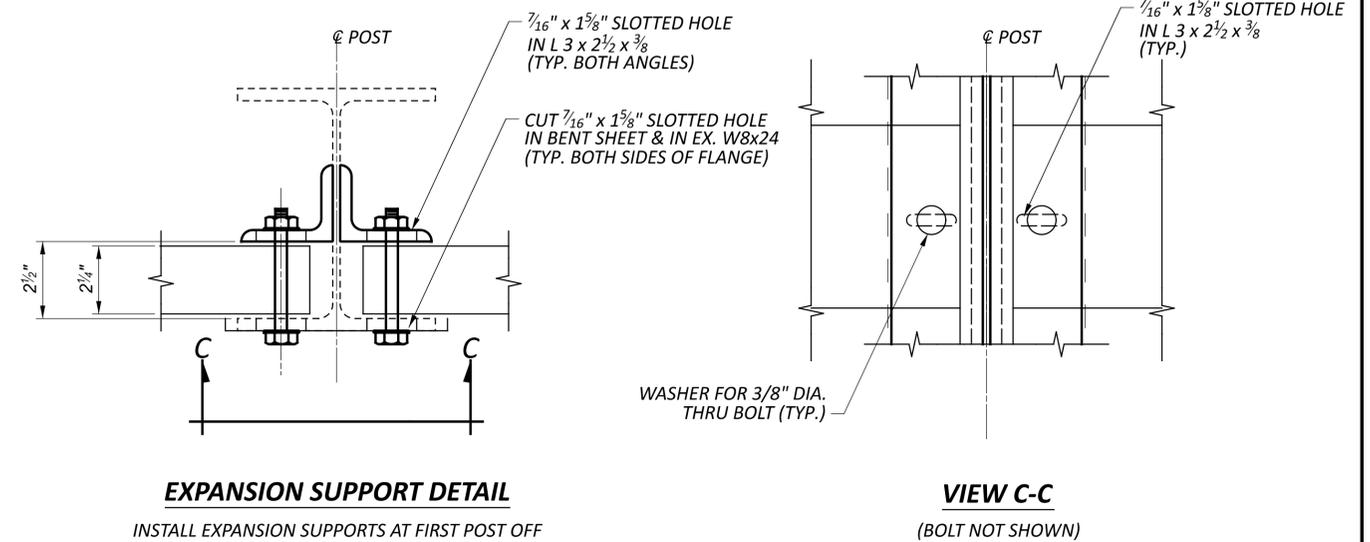
VIEW A-A

NOTES

- 1) LIMIT REMOVAL AND REPLACEMENT OF THE POST SUPPORT ANCHORS TO ONE ANCHOR AT A TIME. DO NOT REMOVE THE NEXT ANCHOR UNTIL THE GROUT FOR THE PREVIOUS ANCHOR HAS FULLY CURED.
- 2) DETAILS ON THIS SHEET ARE TO BE USED ONLY FOR DAMAGED, DETERIORATED AND CRACK ANCHORS FOR THE ESTIMATED QUANTITIES PROVIDED IN THE PLANS AND AS DIRECTED BY THE ENGINEER. COORDINATION WITH THE ENGINEER FOR INSPECTION SHALL BE PAID UNDER ITEM 202 - REMOVAL MISC.: NOISE BARRIER PANEL. SEE NOTE ON SHEET 13 OF 34. IF, AFTER INSPECTION, ANY POSTS REQUIRE REPLACEMENT, THIS WORK SHALL BE ADDRESSED PER CMS 109.05.

LEGEND

- ITEM 202, PORTIONS OF STRUCTURE REMOVED
- ITEM 510, DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN

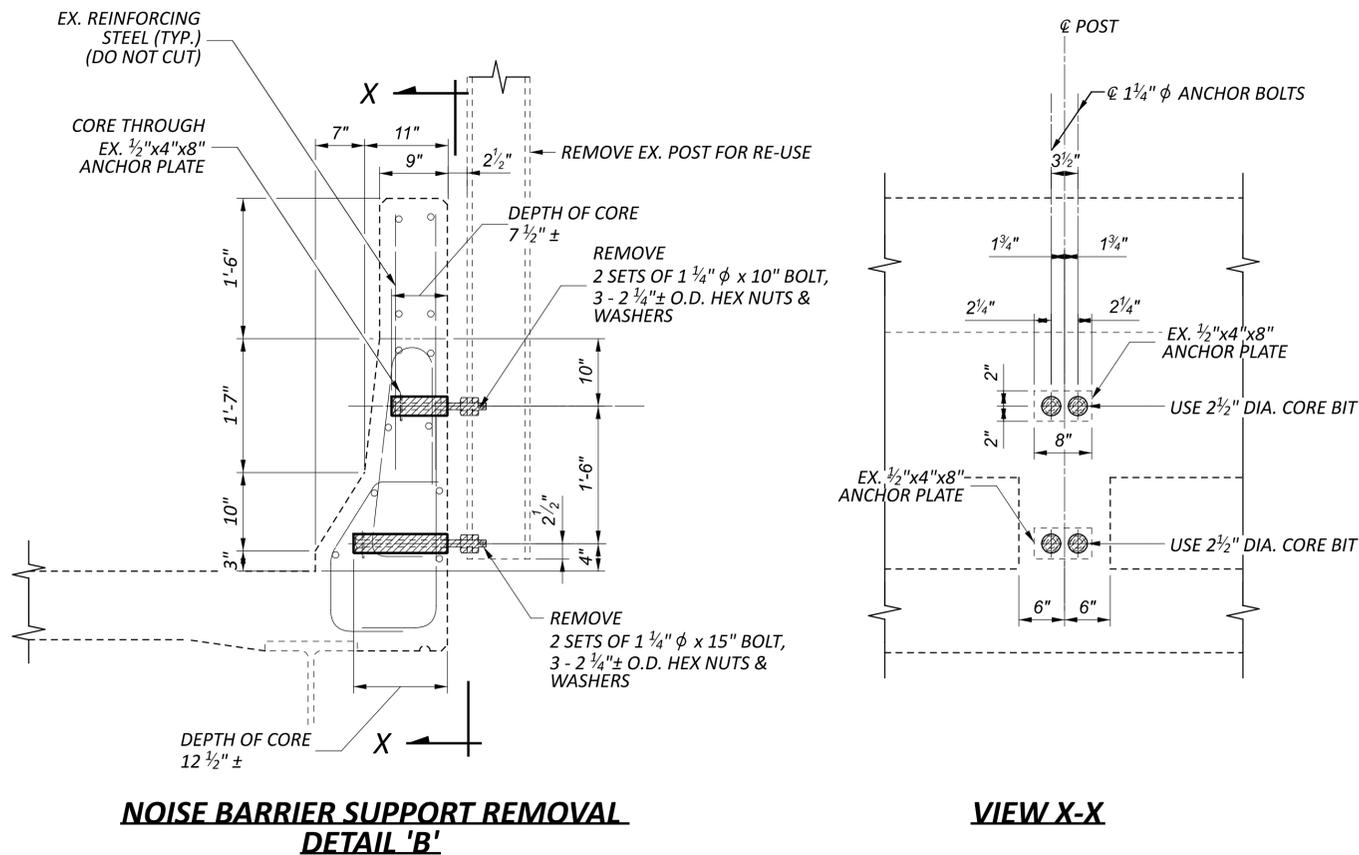


EXPANSION SUPPORT DETAIL

INSTALL EXPANSION SUPPORTS AT FIRST POST OFF BRIDGE AT REAR AND FORWARD ABUTMENT

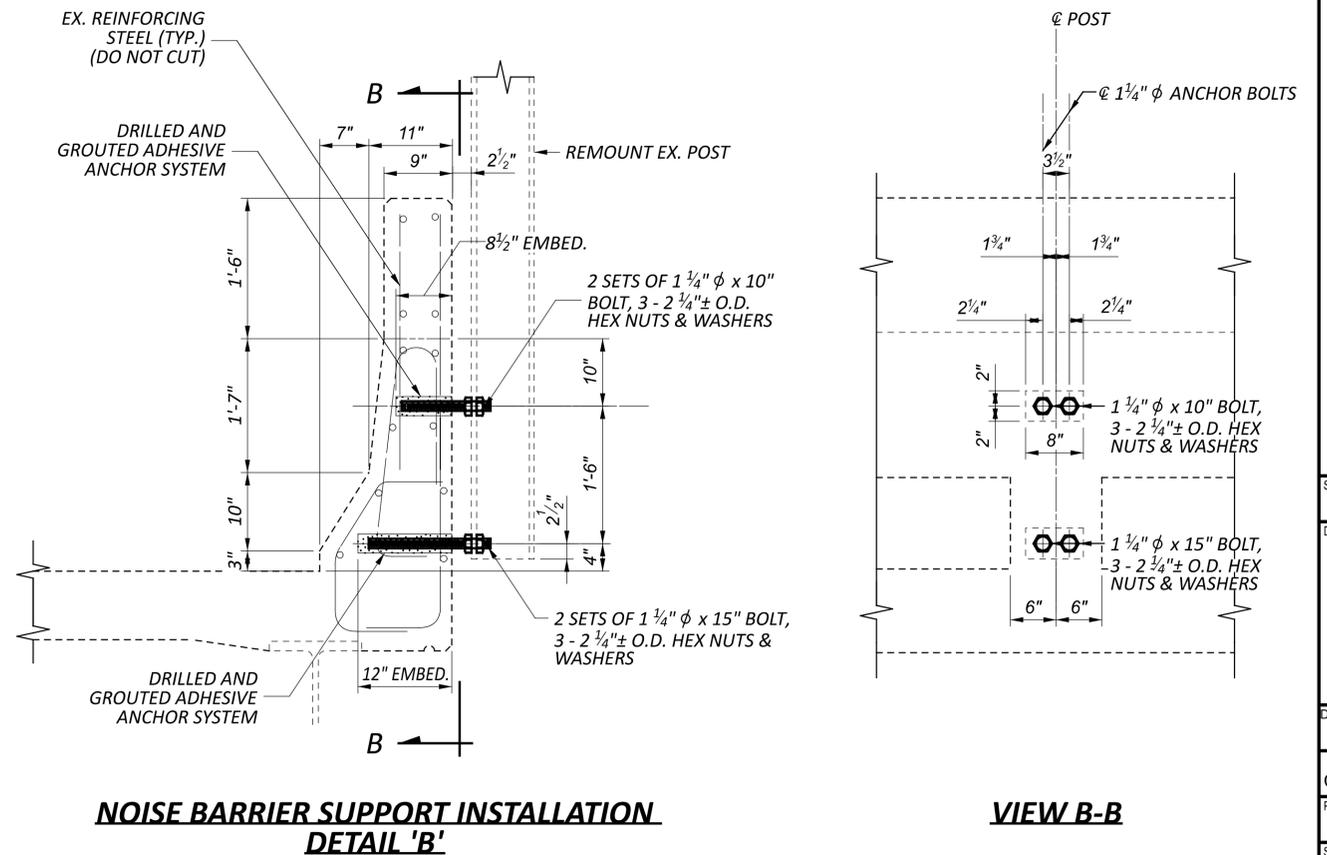
VIEW C-C

(BOLT NOT SHOWN)



**NOISE BARRIER SUPPORT REMOVAL
DETAIL 'B'**

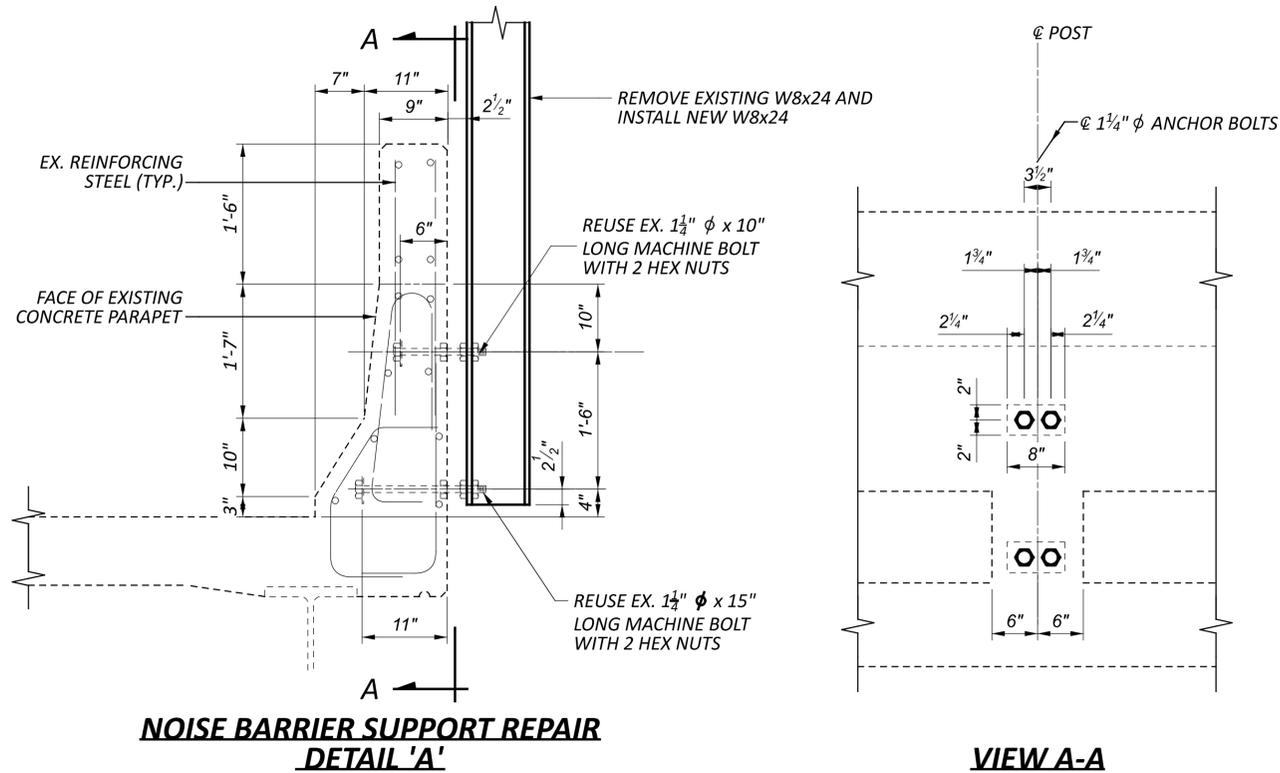
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**NOISE BARRIER SUPPORT INSTALLATION
DETAIL 'B'**

VIEW B-B

SFN	3118460
DESIGN AGENCY	
DESIGNER	GTF
CHECKER	BCP
REVIEWER	
CAH	08-07-25
PROJECT ID	112574
SUBSET	TOTAL
5	8
SHEET	TOTAL
19	34



**NOISE BARRIER SUPPORT REPAIR
DETAIL 'A'**

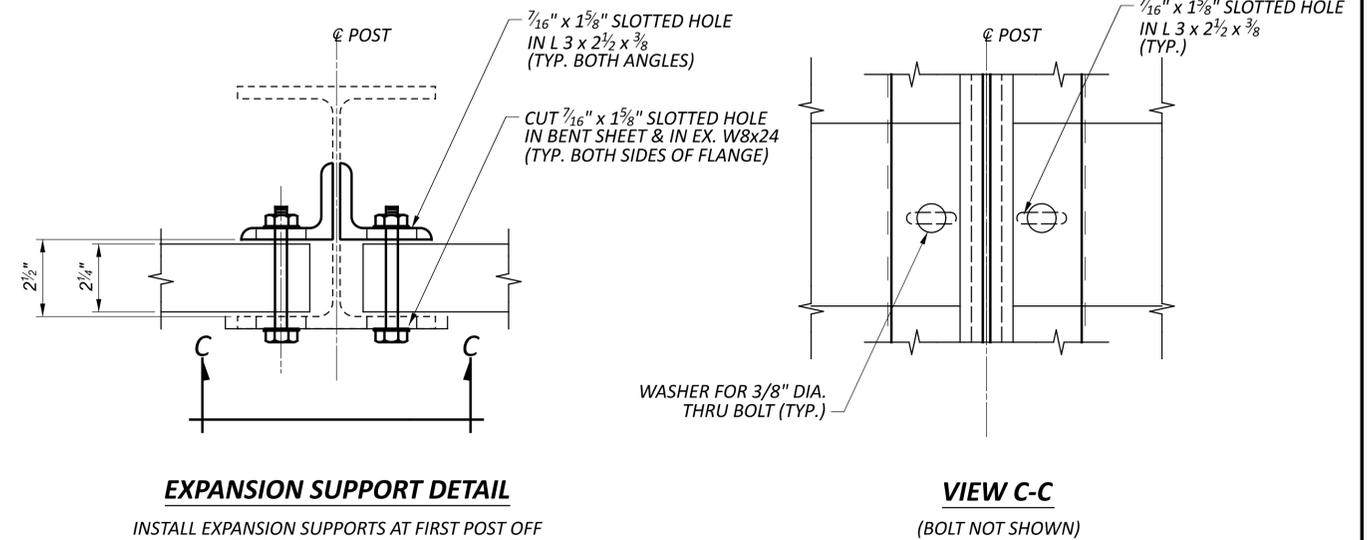
VIEW A-A

NOTES

- 1) LIMIT REMOVAL AND REPLACEMENT OF THE POST SUPPORT ANCHORS TO ONE ANCHOR AT A TIME. DO NOT REMOVE THE NEXT ANCHOR UNTIL THE GROUT FOR THE PREVIOUS ANCHOR HAS FULLY CURED.
- 2) DETAILS ON THIS SHEET ARE TO BE USED ONLY FOR DAMAGED, DETERIORATED AND CRACK ANCHORS FOR THE ESTIMATED QUANTITIES PROVIDED IN THE PLANS AND AS DIRECTED BY THE ENGINEER. COORDINATION WITH THE ENGINEER FOR INSPECTION SHALL BE PAID UNDER ITEM 202 - REMOVAL MISC.: NOISE BARRIER PANEL. SEE NOTE ON SHEET 13 OF 34. IF, AFTER INSPECTION, ANY POSTS REQUIRE REPLACEMENT, THIS WORK SHALL BE ADDRESSED PER CMS 109.05.

LEGEND

- ITEM 202, PORTIONS OF STRUCTURE REMOVED
- ITEM 510, DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN

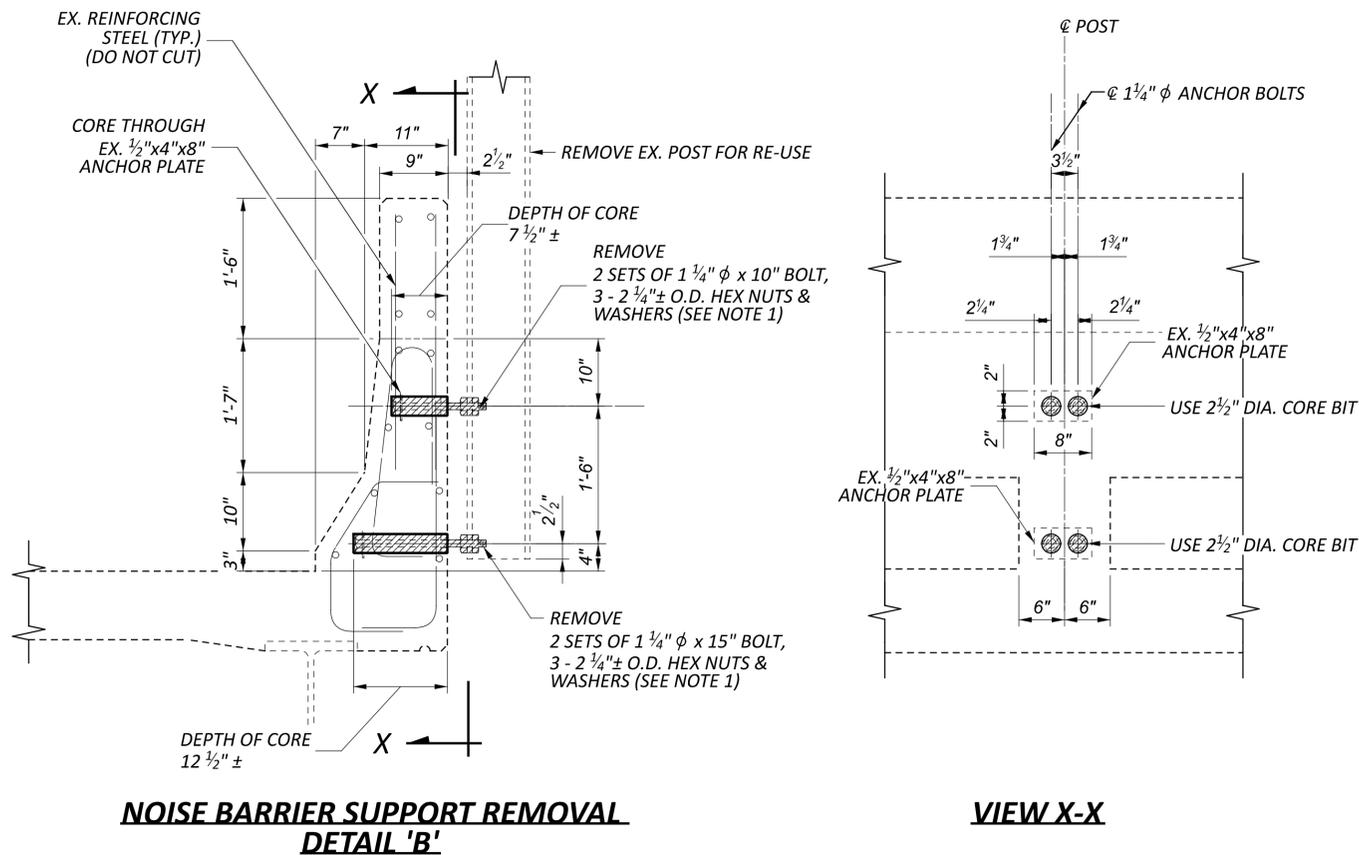


EXPANSION SUPPORT DETAIL

INSTALL EXPANSION SUPPORTS AT FIRST POST OFF BRIDGE AT REAR AND FORWARD ABUTMENT

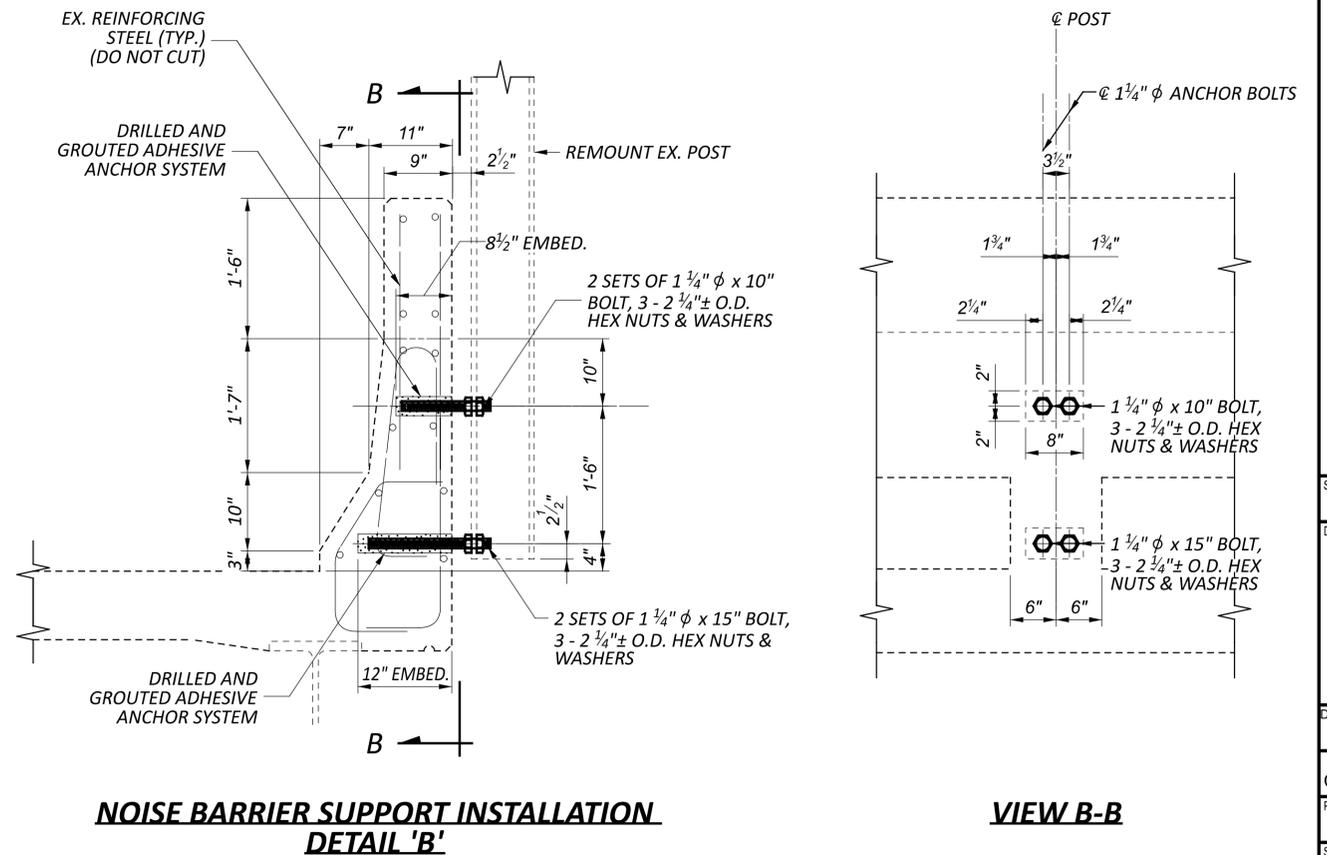
VIEW C-C

(BOLT NOT SHOWN)



**NOISE BARRIER SUPPORT REMOVAL
DETAIL 'B'**

VIEW X-X



**NOISE BARRIER SUPPORT INSTALLATION
DETAIL 'B'**

VIEW B-B

SFN	3104915
DESIGN AGENCY	
DESIGNER	GTF
CHECKER	BCP
REVIEWER	CAH
PROJECT ID	112574
SUBSET	5
TOTAL	8
SHEET	31
TOTAL	34