

# STATE OF OHIO DEPARTMENT OF TRANSPORTATION

# DEL / FRA / MAD NOISE WALL REPAIR

SEE SHEET 2 FOR LOCATION MAPS

## PROJECT DESCRIPTION

REPAIRING NOISEWALLS AT THE FOLLOWING 6 LOCATIONS:

- LOCATION 1: MAD-IR70/SR56
- LOCATION 2: FRA-IR71-24.03
- LOCATION 3: FRA-IR71-23.68
- LOCATION 4: FRA-IR270-20.92
- LOCATION 5: DEL-US42-6.99
- LOCATION 6: FRA-IR71-29.63

## EARTH DISTURBED AREAS

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

## 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 TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

PLAN CERTIFIED AS TO COMPLETENESS AND QUALITY	
 <hr/> SIGNATURE	<hr/> 03-08-2021 DATE
<hr/> FIRM	<hr/> TITLE

## INDEX OF SHEETS:

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NOISE WALL REPAIR PLAN & ELEVATION (LOCATION 1 - 6)	10-15

## DESIGN DESIGNATION

CURRENT ADT .....	N/A
DESIGN YEAR ADT .....	N/A
DESIGN HOURLY VOLUME .....	N/A
DIRECTIONAL DISTRIBUTION .....	N/A
TRUCKS (24 HOUR B&C) .....	N/A
DESIGN SPEED .....	N/A
LEGAL SPEED .....	N/A
DESIGN FUNCTIONAL CLASSIFICATION:	N/A
INTERSTATE PROJECT .....	LOCATIONS 1, 2, 3, 4 & 6
NHS PROJECT .....	LOCATION 5

## DESIGN EXCEPTIONS

NONE

**UNDERGROUND UTILITIES**

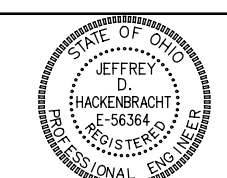
**Contact Two Working Days  
Before You Dig**

**OHIO811.org**  
Before You Dig

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

**IBI**  
 PLAN PREPARED BY:  
 IBI Group  
 8101 North High Street, Suite 100  
 Columbus, OH 43235 USA

ENGINEERS SEAL:



*Jeffrey D. Hackenbracht*  
 SIGNED: \_\_\_\_\_  
 DATE: 03-08-2021

STANDARD CONSTRUCTION DRAWINGS	SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
SEE PART 1	SEE PART 1	SEE PART 1

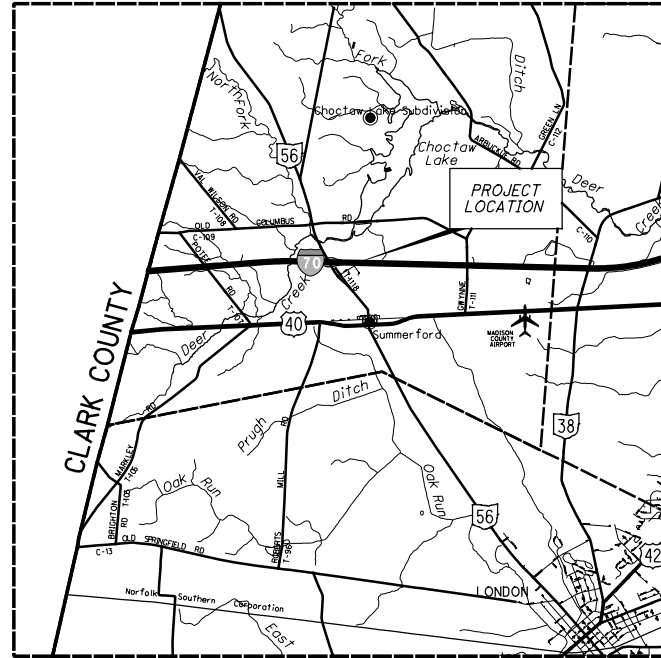
APPROVED \_\_\_\_\_  
 DATE \_\_\_\_\_ DISTRICT DEPUTY DIRECTOR

APPROVED \_\_\_\_\_  
 DATE \_\_\_\_\_ DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO. **E190761**  
 PID NO. **106877**  
 CONSTRUCTION PROJECT NO.  
 RAILROAD INVOLVEMENT **NONE**  
**DEL / FRA / MAD P2  
NOISE WALL REPAIR**  
 1 / 15

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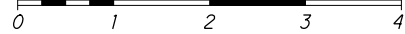
LOCATION 1 (MAD-IR70/SR56)



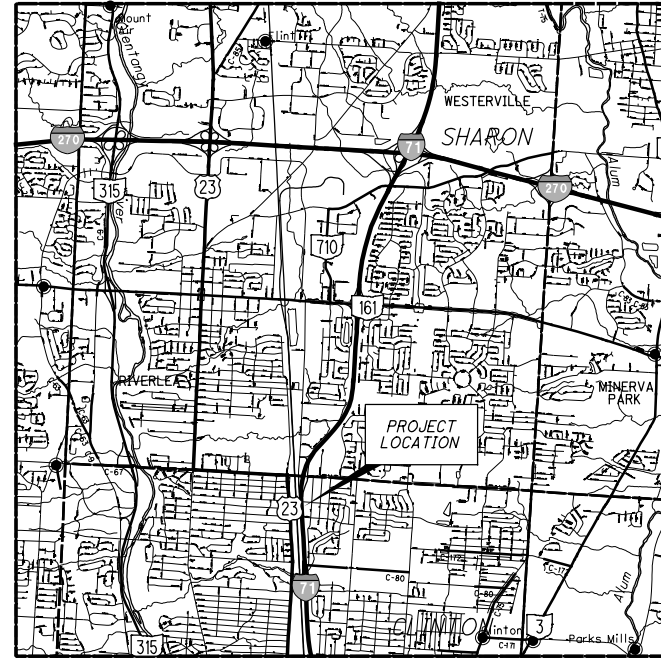
LOCATION MAP

LATITUDE: N 39°56'31" LONGITUDE: W 83°29'47"

SCALE IN MILES



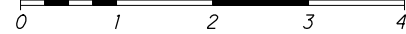
LOCATION 2 (FRA-IR71-24.03)



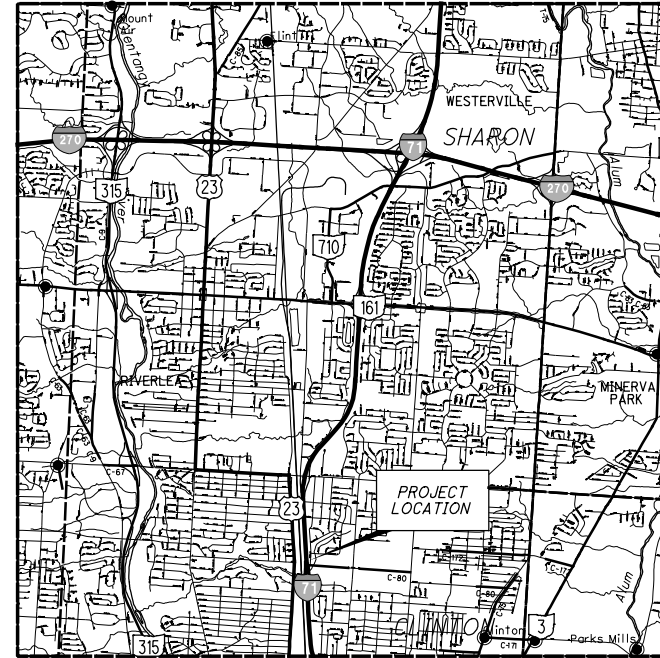
LOCATION MAP

LATITUDE: N 40°3'30" LONGITUDE: W 82°59'52"

SCALE IN MILES



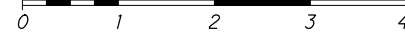
LOCATION 3 (FRA-IR71-23.68)



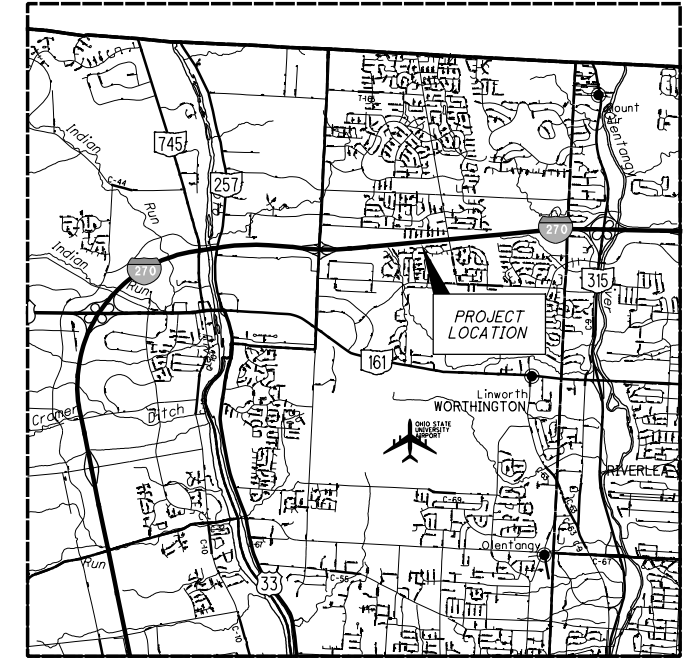
LOCATION MAP

LATITUDE: N 40°02'58" LONGITUDE: W 82°59'50"

SCALE IN MILES



LOCATION 4 (FRA-IR270-20.92)



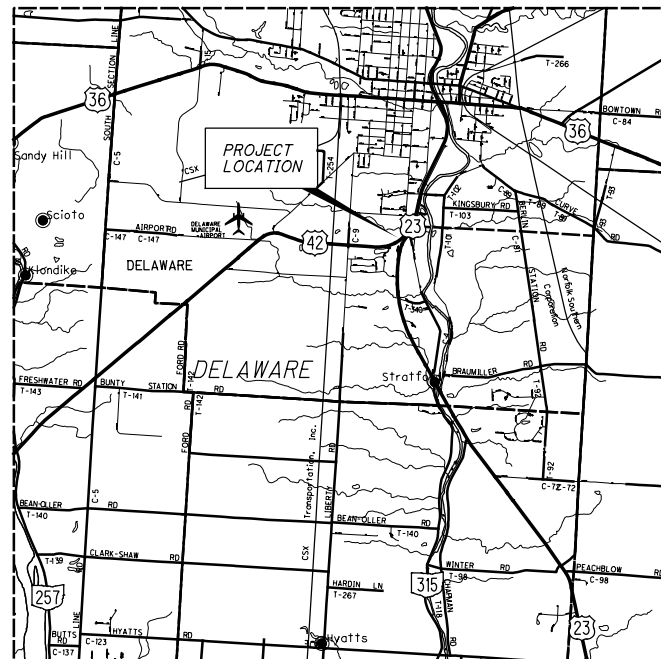
LOCATION MAP

LATITUDE: N40°06'36" LONGITUDE: W83°04'15"

SCALE IN MILES



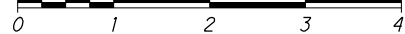
LOCATION 5 (DEL-US42-6.99)



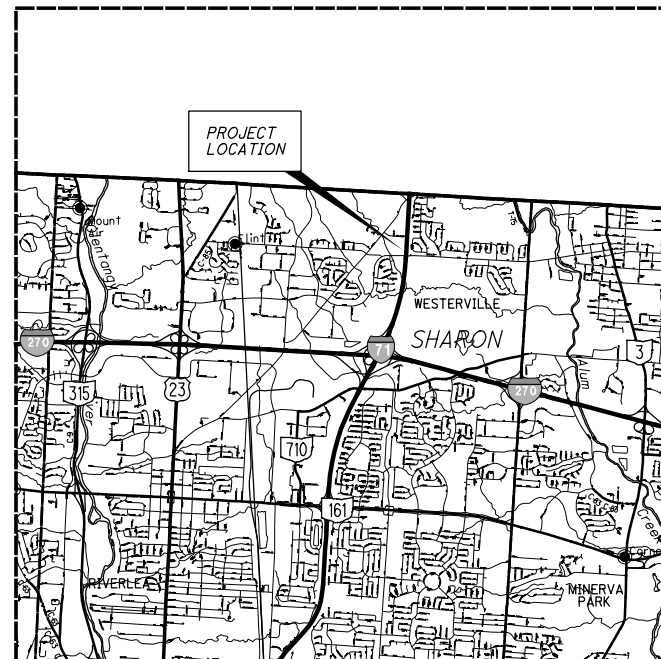
LOCATION MAP

LATITUDE: N 40°16'40" LONGITUDE: W 83°04'14"

SCALE IN MILES



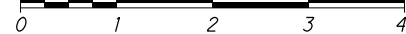
LOCATION 6 (FRA-IR71-29.63)



LOCATION MAP

LATITUDE: N 40°07'51" LONGITUDE: W 82°58'18"

SCALE IN MILES



CALCULATED  
SS  
CHECKED  
JDH

LOCATION MAPS

DEL / FRA / MAD P2  
NOISE WALL REPAIR

2  
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J:\16-147\_D6NoiseWalls\5.0 Design (Work) Phase\93446\structures\Rehab sites 1-8\93446GN021.dgn Sheet 2021-01-05 9:26:09 AM jennifer.kelley

**UTILITIES**

THE IDENTITY AND LOCATION OF SOME OF THE EXISTING UNDERGROUND FACILITIES KNOWN TO BE LOCATED IN THE CONSTRUCTION AREA HAVE BEEN IDENTIFIED. THE CONTRACTOR SHALL GIVE NOTICE OF INTENT TO CONSTRUCT TO THE OHIO UTILITIES PROTECTION SERVICE, AND OWNERS OF UNDERGROUND FACILITIES THAT ARE NOT MEMBERS OF A REGISTERED PROTECTION SERVICE IN ACCORDANCE WITH SECTION 153.64 OF THE OHIO REVISED CODE. THE ABOVE, MENTIONED NOTICE SHALL BE GIVEN AT LEAST TWO WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.

OHIO UTILITY PROTECTION SERVICE 1-800-362-2764  
PRODUCERS UNDERGROUND PROTECTION SERVICE 1-614-587-0486  
NON-MEMBERS MUST BE CALLED DIRECTLY.

**LOCATION 1: MAD-IR70/SR56**

MADISON COUNTY ENGINEERS OFFICE  
825 US 42 NE  
LONDON, OH 43140  
CONTACT: BRYAN DHUME  
PHONE: (740) 852-9404  
EMAIL: engineer@co.madison.oh.us

MADISON COUNTY SANITARY SEWER & WATER (DISTRICT 1)  
821 STATE ROUTE 42  
LONDON, OH 43140  
CONTACT: TOM TAYLOR  
PHONE: (740) 845-1707  
EMAIL: ttaylor@co.madison.oh.us

MADISON ENERGY COOPERATIVE  
4100 HOLIDAY ST. NW SUITE 201  
CANTON, OH 44718  
CONTACT: KYLE UNDERWOOD  
PHONE: (330)-498-9130  
EMAIL: kunderwood@utilitypipelineltd.com

ODOT TRAFFIC (DIST 6)  
400 EAST WILLIAM ST.  
DELAWARE, OH 43015  
PHONE: (740) 833-8332

ODOT ITS (NON-OUPS MEMBER)  
1606 WEST BROAD ST  
COLUMBUS, OH 43223  
PHONE: (614) 387-4113  
FAX: (614) 887-4134  
EMAIL: cen.its.lab@dot.ohio.gov

MARATHON PIPELINE  
840 HEATH ROAD  
HEATH, OH 43056  
CONTACT: MICHAEL PRESTON  
PHONE: (740)-258-4911  
EMAIL: mjpreston@marathonpetroleum.com

OHIO EDISON  
2600 ERIE STREET SOUTH  
MASSILLON, OH 44646  
CONTACT: MIKE JANSON  
PHONE: (330) 830-7092  
EMAIL: jansonm@firstenergycorp.com

AT&T - OHIO  
111 NORTH 4TH STREET  
ROOM 802  
COLUMBUS, OH 43204  
CONTACT: GARY VAN ALMSICK  
PHONE: (614) 223-7276  
EMAIL: gv2758@att.com  
CONTACT: AL RIVERA  
PHONE: (614) 223-8903  
EMAIL: ar8341@att.com  
CONTACT: MIKE LEE  
PHONE: (614) 223-6783  
EMAIL: ml3453@att.com  
CONTACT: MIKE LEPLY  
PHONE: (614) 223-5872  
EMAIL: tl9569@att.com

**UTILITIES CONTINUED**

**LOCATION 2 & 3: FRA-IR71-24.03, FRA-IR71-23.68**

ODOT TRAFFIC (DIST 6)  
400 EAST WILLIAM ST.  
DELAWARE, OH 43015  
PHONE: (740) 833-8332

SPRINT COMMUNICATIONS  
11370 ENTERPRISE PARK DR.  
SHARONVILLE, OH 45241  
CONTACT: STEVEN HUGHES  
PHONE: (513) 459-5796  
EMAIL: steven.hughes@sprint.com

AT&T TRANSMISSION  
155 COMMERCE PARK DR. SUITE 1  
WESTERVILLE, OH 43082  
CONTACT: CHAD HARKNESS  
PHONE: (614) 392-2873  
EMAIL: chad.harkness@mcgfiber.com

COLUMBIA GAS OF OHIO  
3550 JOHNNY APPLESEED COURT  
COLUMBUS, OH 43231  
CONTACT: ROB CALDWELL  
PHONE: (614) 818-2108  
EMAIL: rcaldwell@nisource.com

FRANKLIN COUNTY ENGINEER  
970 DUBLIN ROAD  
COLUMBUS, OH 43215  
CONTACT: STEVE BUSKIRK  
PHONE: (614) 525-3043  
EMAIL: sbuskirk@franklincountyengineer.org

AT&T - OHIO  
111 NORTH 4TH STREET  
ROOM 802  
COLUMBUS, OH 43204  
CONTACT: GARY VAN ALMSICK  
PHONE: (614) 223-7276  
EMAIL: gv2758@att.com  
CONTACT: AL RIVERA  
PHONE: (614) 223-8903  
EMAIL: ar8341@att.com  
CONTACT: MIKE LEE  
PHONE: (614) 223-6783  
EMAIL: ml3453@att.com  
CONTACT: MIKE LEPLY  
PHONE: (614) 223-5872  
EMAIL: tl9569@att.com

ODOT ITS (NON-OUPS MEMBER)  
1606 WEST BROAD ST  
COLUMBUS, OH 43223  
PHONE: (614) 387-4113  
FAX: (614) 887-4134  
EMAIL: cen.its.lab@dot.ohio.gov

AEP - DISTRIBUTION UNDERGROUND  
1 RIVERSIDE PLAZA, 12TH FLOOR  
COLUMBUS, OH 43215  
CONTACT: PAT FEENEY  
PHONE: (614) 883-6901  
EMAIL: pfeeney@aep.com

AEP - TRANSMISSION  
700 MORRISON RD  
GAHANNA, OH 43230  
CONTACT: JIM KING  
PHONE: (614) 460-0107  
EMAIL: jrking@aep.com

AEP - AERIAL DISTRIBUTION  
850 TECH CENTER DR  
GAHANNA, OH 43230-6605  
CONTACT: PAUL PAXTON  
PHONE: (614) 883-6831  
EMAIL: ptpaxton@aep.com

CITY OF COLUMBUS  
DIVISION OF SEWERAGE AND DRAINAGE SEWER MAINTENANCE AND OPERATIONS CENTER (SMOC)  
1250 FAIRWOOD AVE  
COLUMBUS, OH 43206  
PHONE: (614) 645-7102  
THIS OFFICE OPERATES 24/7

CITY OF COLUMBUS  
DIVISION OF POWER  
3500 INDIANOLA AVE  
COLUMBUS, OH 43214  
PHONE: (614) 645-7627

CITY OF COLUMBUS  
DIVISION OF WATER  
910 DUBLIN RD  
COLUMBUS, OH 43215  
PHONE: (614) 645-7788

CITY OF COLUMBUS  
DEPARTMENT OF TECHNOLOGY  
1355 MCKINLEY AVE  
BUILDING C  
COLUMBUS, OH 43222  
PHONE: (614) 645-7756

CITY OF COLUMBUS  
DEPARTMENT OF PUBLIC SERVICE  
TRAFFIC MANAGEMENT  
1820 E 17TH AVE  
COLUMBUS, OH 43219  
PHONE: (614) 645-7393

CITY OF COLUMBUS  
SUPPORT SERVICES DIVISION-COMMUNICATIONS  
4211 GROVES RD  
COLUMBUS, OH 43232  
PHONE: (614) 724-7047

**UTILITIES CONTINUED**

**LOCATION 4: FRA-IR270-20.92**

WIDE OPEN WEST  
3765 CORPORATE DR  
COLUMBUS, OH 43231  
CONTACT: STEVE CALLAHAN  
PHONE: (614) 948-4636  
EMAIL: steven.callahan@wowinc.com

COLUMBIA GAS OF OHIO  
3550 JOHNNY APPLESEED COURT  
COLUMBUS, OH 43231  
CONTACT: ROB CALDWELL  
PHONE: (614) 818-2108  
EMAIL: rcaldwell@nisource.com

AEP - DISTRIBUTION UNDERGROUND  
1 RIVERSIDE PLAZA, 12TH FLOOR  
COLUMBUS, OH 43215  
CONTACT: PAT FEENEY  
PHONE: (614) 883-6901  
EMAIL: pfeeney@aep.com

AEP - TRANSMISSION  
700 MORRISON RD  
GAHANNA, OH 43230  
CONTACT: JIM KING  
PHONE: (614) 460-0107  
EMAIL: jrking@aep.com

AEP - AERIAL DISTRIBUTION  
850 TECH CENTER DR  
GAHANNA, OH 43230-6605  
CONTACT: PAUL PAXTON  
PHONE: (614) 883-6831  
EMAIL: ptpaxton@aep.com

LEVEL 3 COMMUNICATIONS  
441 W. BROAD STREET  
PATASKALA, OH 43062  
CONTACT: CHRISTOPHER STRAYER  
PHONE: (303) 886-1299  
EMAIL: christopher.strayer@centurylink.com

AT&T - OHIO  
111 NORTH 4TH STREET  
ROOM 802  
COLUMBUS, OH 43204  
CONTACT: GARY VAN ALMSICK  
PHONE: (614) 223-7276  
EMAIL: gv2758@att.com  
CONTACT: AL RIVERA  
PHONE: (614) 223-8903  
EMAIL: ar8341@att.com  
CONTACT: MIKE LEE  
PHONE: (614) 223-6783  
EMAIL: ml3453@att.com  
CONTACT: MIKE LEPLY  
PHONE: (614) 223-5872  
EMAIL: tl9569@att.com

ODOT TRAFFIC (DIST 6)  
400 EAST WILLIAM STREET  
DELAWARE, OH 43015  
PHONE: (740) 833-8332

CROWN CASTLE  
470-B SCHROCK ROAD SUITE B  
COLUMBUS, OH 43229  
CONTACT: JON TARNOWSKI  
PHONE: (585) 445-5813  
EMAIL: jtarnowski@crowncastle.com

ODOT ITS (NON-OUPS MEMBER)  
1606 WEST BROAD ST  
COLUMBUS, OH 43223  
PHONE: (614) 387-4113  
FAX: (614) 887-4134  
EMAIL: cen.its.lab@dot.ohio.gov

CITY OF COLUMBUS  
DIVISION OF SEWERAGE AND DRAINAGE SEWER MAINTENANCE AND OPERATIONS CENTER (SMOC)  
1250 FAIRWOOD AVE  
COLUMBUS, OH 43206  
PHONE: (614) 645-7102  
THIS OFFICE OPERATES 24/7

CITY OF COLUMBUS  
DIVISION OF POWER  
3500 INDIANOLA AVE  
COLUMBUS, OH 43214  
PHONE: (614) 645-7627

CITY OF COLUMBUS  
DIVISION OF WATER  
910 DUBLIN RD  
COLUMBUS, OH 43215  
PHONE: (614) 645-7788

CITY OF COLUMBUS  
DEPARTMENT OF TECHNOLOGY  
1355 MCKINLEY AVE  
BUILDING C  
COLUMBUS, OH 43222  
PHONE: (614) 645-7756

CITY OF COLUMBUS  
DEPARTMENT OF PUBLIC SERVICE  
TRAFFIC MANAGEMENT  
1820 E 17TH AVE  
COLUMBUS, OH 43219  
PHONE: (614) 645-7393

CITY OF COLUMBUS  
SUPPORT SERVICES DIVISION - COMMUNICATIONS  
4211 GROVES RD  
COLUMBUS, OH 43232  
PHONE: (614) 724-7047

CHARTER  
3760 INTERCHANGE DR  
COLUMBUS, OH 43204  
CONTACT: RAY MAURER  
PHONE: (614) 481-5262  
EMAIL: ray.maurer@charter.com  
CONTACT: SAM LUTZ  
PHONE: (614) 481-5047  
EMAIL: samuel.lutz@charter.com

**UTILITIES CONTINUED**

**LOCATION 5: DEL-US-42-6.99**

COLUMBIA GAS OF OHIO  
3550 JOHNNY APPLESEED COURT  
COLUMBUS, OH 43231  
CONTACT: ROB CALDWELL  
PHONE: (614) 818-2108  
EMAIL: rcaldwell@nisource.com

AEP - DISTRIBUTION UNDERGROUND  
1 RIVERSIDE PLAZA, 12TH FLOOR  
COLUMBUS, OH 43215  
CONTACT: PAT FEENEY  
PHONE: (614) 883-6901  
EMAIL: pfeeney@aep.com

AEP - TRANSMISSION  
700 MORRISON RD.  
GAHANNA, OH 43230  
CONTACT: JIM KING  
PHONE: (614) 460-0107  
EMAIL: jrking@aep.com

AEP - AERIAL DISTRIBUTION  
850 TECH CENTER DR.  
GAHANNA, OH 43230-6605  
CONTACT: PAUL PAXTON  
PHONE: (614) 883-6831  
EMAIL: ptpaxton@aep.com

FRONTIER COMMUNICATIONS  
1300 COLUMBUS-SANDUSKY RD.  
MARION, OH 43302  
CONTACT: CHRIS AVERY  
PHONE: (740) 383-0551  
EMAIL: ira.avery@ftr.com

ODOT TRAFFIC (DIST 6)  
400 EAST WILLIAM STREET  
DELAWARE, OH 43015  
PHONE: (740) 833-8332

ODOT ITS (NON-OUPS MEMBER)  
1606 WEST BROAD ST  
COLUMBUS, OH 43223  
PHONE: (614) 387-4113  
FAX: (614) 887-4134  
EMAIL: cen.its.lab@dot.ohio.gov

CHARTER  
3760 INTERCHANGE DR  
COLUMBUS, OH 43204  
CONTACT: RAY MAURER  
PHONE: (614) 481-5262  
EMAIL: ray.maurer@charter.com  
CONTACT: SAM LUTZ  
PHONE: (614) 481-5047  
EMAIL: samuel.lutz@charter.com

CITY OF DELAWARE  
PUBLIC WORKS DEPARTMENT  
440 E. WILLIAM STREET  
DELAWARE, OH 43015  
CONTACT: BILL FERRIGNO  
PHONE: (740) 203-1810  
EMAIL: bferrigno@delawareohio.net

CITY OF DELAWARE (WATER/SEWER)  
225 CHERRY STREET  
DELAWARE, OH 43015  
CONTACT: BLAKE JORDAN  
PHONE: (740) 203-1900  
EMAIL: bjordan@delawareohio.net

CALCULATED  
SS  
CHECKED  
JDH

**GENERAL NOTES**

**DEL / FRA / MAD P2  
NOISE WALL REPAIR**

3  
15

**UTILITIES CONTINUED**

LOCATION 6: FRA-IR71-29.63

COLUMBIA GAS OF OHIO  
3550 JOHNNY APPLESEED COURT  
COLUMBUS, OH 43231  
CONTACT: ROB CALDWELL  
PHONE: (614) 818-2108  
EMAIL: rcaldwell@source.com

ODOT ITS (NON-ODPS MEMBER)  
1606 WEST BROAD ST  
COLUMBUS, OH 43223  
PHONE: (614) 387-4113  
FAX: (614) 887-4134  
EMAIL: cen.its.lab@dot.ohio.gov

AEP - DISTRIBUTION UNDERGROUND  
1 RIVERSIDE PLAZA, 12TH FLOOR  
COLUMBUS, OH 43215  
CONTACT: PAT FEENEY  
PHONE: (614) 883-6901  
EMAIL: pfeeney@aep.com

CITY OF COLUMBUS  
DIVISION OF SEWERAGE AND DRAINAGE SEWER MAINTENANCE AND OPERATIONS CENTER (SMOC)  
1250 FAIRWOOD AVE  
COLUMBUS, OH 43206  
PHONE: (614) 645-7102  
THIS OFFICE OPERATES 24/7

AEP - TRANSMISSION  
700 MORRISON RD  
GAHANNA, OH 43230  
CONTACT: JIM KING  
PHONE: (614) 460-0107  
EMAIL: jrking@aep.com

CITY OF COLUMBUS  
DIVISION OF POWER  
3500 INDIANOLA AVE  
COLUMBUS, OH 43214  
PHONE: (614) 645-7627

AEP - AERIAL DISTRIBUTION  
850 TECH CENTER DR  
GAHANNA, OH 43230-6605  
CONTACT: PAUL PAXTON  
PHONE: (614) 883-6831  
EMAIL: ppaxton@aep.com

CITY OF COLUMBUS  
DIVISION OF WATER  
910 DUBLIN RD  
COLUMBUS, OH 43215  
PHONE: (614) 645-7788

AT&T - OHIO  
111 NORTH 4TH STREET  
ROOM 802  
COLUMBUS, OH 43204  
CONTACT: GARY VAN ALMSICK  
PHONE: (614) 223-7276  
EMAIL: gv2758@att.com  
CONTACT: AL RIVERA  
PHONE: (614) 223-8903  
EMAIL: ar8341@att.com  
CONTACT: MIKE LEE  
PHONE: (614) 223-6783  
EMAIL: ml3453@att.com  
CONTACT: MIKE LEPLEY  
PHONE: (614) 223-5872  
EMAIL: tl9569@att.com

CITY OF COLUMBUS  
DEPARTMENT OF TECHNOLOGY  
1355 MCKINLEY AVE  
BUILDING C  
COLUMBUS, OH 43222  
PHONE: (614) 645-7756

CITY OF COLUMBUS  
DEPARTMENT OF PUBLIC SERVICE  
TRAFFIC MANAGEMENT  
1820 E 17TH AVE  
COLUMBUS, OH 43219  
PHONE: (614) 645-7393

ODOT TRAFFIC (DIST 6)  
400 EAST WILLIAM STREET  
DELAWARE, OH 43015  
PHONE: (740) 833-8332

CITY OF COLUMBUS  
SUPPORT SERVICES DIVISION - COMMUNICATIONS  
4211 GROVES RD  
COLUMBUS, OH 43232  
PHONE: (614) 724-7047

SUBURBAN NATURAL GAS  
2626 LEWIS CENTER ROAD  
LEWIS CENTER, OH 43035  
CONTACT: AARON ROLL  
PHONE: (740) 548-2450  
EMAIL: aroll.sngco.com

WIDE OPEN WEST  
3765 CORPORATE DR  
COLUMBUS, OH 43231  
CONTACT: STEVE CALLAHAN  
PHONE: (614) 948-4636  
EMAIL: steven.callahan@wowinc.com

COLUMBUS FIBERNET  
1600 WALCUTT ROAD  
COLUMBUS, OH 43228  
CONTACT: BRAD BEARD  
PHONE: (614) 554-8018  
EMAIL: bnbeard@teamfishel.com

AMERICAN POWER & LIGHT  
470 OLDE WORTHINGTON RD.  
SUITE 100  
WESTERVILLE, OH 43082  
CONTACT: DAVID ROBERTSON  
PHONE: (888) 850-0098  
EMAIL: dave@electricapl.com

CHARTER  
3760 INTERCHANGE DR  
COLUMBUS, OH 43204  
CONTACT: RAY MAURER  
PHONE: (614) 481-5262  
EMAIL: ray.maurer@charter.com  
CONTACT: SAM LUTZ  
PHONE: (614) 481-5047  
EMAIL: samuel.lutz@charter.com

CITY OF WESTERVILLE  
64 EAST WALNUT STREET  
WESTERVILLE, OH 43081  
CONTACT: SCOTT TOURVILLE  
PHONE: (614) 901-6650  
EMAIL: scott.tourville@westerville.org

CITY OF WESTERVILLE  
ELECTRIC DIVISION  
64 EAST WALNUT STREET  
WESTERVILLE, OH 43081  
CONTACT: DAVID FLOWERS  
PHONE: (614) 901-6707  
EMAIL: david.flowers@westerville.org

**GENERAL**

THE CONTRACTOR SHALL SUBMIT IN WRITING A SCHEDULE OF OPERATIONS TO THE ENGINEER (SEE 108.02) AND RECEIVE APPROVAL IN WRITING BEFORE WORK IS STARTED ON THIS PROJECT. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

**CONTRACTOR'S EQUIPMENT - OPERATION AND STORAGE**

THE CONTRACTOR'S EQUIPMENT SHALL BE OPERATED IN THE DIRECTION OF TRAFFIC WHERE PRACTICAL. EQUIPMENT SHALL HAVE AT LEAST ONE AMBER FLASHING LIGHT. WHEN PARKED ALONG THE HIGHWAY, THE EQUIPMENT SHALL BE LOCATED EITHER A MINIMUM OF THIRTY FEET FROM THE EDGE OF PAVEMENT OR SIX FEET BEHIND GUARDRAIL WITH A MINIMUM OF 125 FEET OF GUARDRAIL PRECEDING THE EQUIPMENT. ALL OTHER EQUIPMENT, INCLUDING PRIVATE VEHICLES, SHALL BE STORED AT AN APPROVED CONTRACTOR'S STORAGE AREA.

**WATER QUALITY PROTECTION**

NO TOXIC OR HAZARDOUS MATERIALS SUCH AS SEALANTS, PAINT, SOLVENTS, CLEANING AGENTS, EARTHEN MATERIALS, WASTE-WATER FUELS OR DEBRIS OF ANY KIND SHALL BE DISCHARGED TO ANY STREAMS, DRAINAGE COURSES OR BODIES OF WATER. ALL ASPHALT OR CONCRETE GRINDINGS, EXCESS ASPHALT OR CONCRETE MATERIALS OR ANY OTHER DEBRIS GENERATED DURING RESURFACING OR OTHER SIMILAR ACTIVITIES SHALL NOT BE DISPOSED OF WITHIN A FLOODPLAIN BELLOW THE 100-YEAR FLOOD ELEVATION. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT LIQUIDS USED TO REPAIR, CLEAN, SEAL, OR TREAT ANY NOISE WALL (E.G. PAINT, SEALER, SOLVENT) FROM ENTERING STREAMS, WETLANDS OR OTHER "WATERS OF THE UNITED STATES" AND TAKE THE APPROPRIATE ACTION IN THE EVENT OF A RELEASE.

**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.

**BARRIER PATTERN AND COLOR**

THE CONTRACTOR SHALL MAINTAIN UNIFORMITY OF BARRIER TYPE, TEXTURE, JOINTS AND COLOR AT EACH LOCATION, SEE NOISE WALL REPAIR PLAN SHEETS FOR ADDITIONAL NOTES AND DETAILS.

**FIELD VERIFICATION OF DIMENSIONS**

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

**WORK LIMITS**

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

**SURVEYING PARAMETERS**

THE NOISE WALL REPAIR PLANS ARE BASED ON EXISTING PLANS AND FIELD OBSERVATIONS. NO SURVEY DATA WAS OBTAINED IN THE FIELD. CONTRACTOR WILL BE REQUIRED TO FIELD VERIFY DIMENSIONS PRIOR TO ORDERING NOISE WALL REPAIR MATERIALS.

**EXISTING PLANS**

EXISTING PLANS ENTITLED:  
LOCATION 1: CLA-70-28.95/MAD-70-0.00  
LOCATION 2 & 3: FRA-71-19.09  
LOCATION 4: FRA-270-20.03 PART 2  
LOCATION 5: DEL-23-10.15  
LOCATION 6: FRA-71-29.25/DEL-71-0.00  
MAY BE INSPECTED IN THE ODOT DISTRICT 6 OFFICE IN DELAWARE, OH.

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

THIS ITEM IS INTENDED FOR LOCATIONS 1, 2, 3, 4 & 5.

THIS ITEM SHALL CONSIST OF ANY REMOVAL, STORAGE, AND RE-INSTALLATION OF EXISTING BRICK/CONCRETE (LOCATION 1), CONCRETE NOISE BARRIER PANELS (LOCATIONS 2, 3 & 4) AND ALUMINUM NOISE BARRIER PANELS (LOCATION 5). 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 WITH REMOVAL AND RE-INSTALLATION OF EXISTING POST CAPS AND/OR PANELS AS TO NOT DAMAGE ANY PORTION OF THE EXISTING NOISE BARRIER PANEL, POST, CAP AND FOUNDATION THAT IS TO REMAIN OR TO BE REUSED. REPLACE OR REPAIR PANELS, POSTS, CAPS DAMAGED BY THIS REMOVAL AND RE-INSTALLATION OPERATIONS AT NO COST TO THE PROJECT. AT LEAST SEVEN (7) BUSINESS DAYS BEFORE PERFORMING REPAIR WORK, SUBMIT A PROPOSED REPAIR PLAN, DEVELOPED BY AN OHIO REGISTERED PROFESSIONAL ENGINEER TO THE ENGINEER. OBTAIN THE 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 (LOCATIONS 1, 2, 3 & 4), AND ITEM 606, SPECIAL - NOISE BARRIER, ALUMINUM PANEL REMOVAL AND REUSE (LOCATION 5).

**ITEM 606, SPECIAL - NOISE BARRIER PANEL REMOVAL AND REPLACEMENT**

THIS ITEM IS INTENDED FOR LOCATIONS 1, 3 & 4.

THIS ITEM SHALL CONSIST OF ANY REMOVAL, STORAGE, AND DISPOSAL OF EXISTING NOISE BARRIER PANELS AND INSTALLATION OF NEW BRICK/CONCRETE (LOCATION 1) AND CONCRETE PANELS (LOCATIONS 3 & 4). SEE PLAN SHEETS FOR COLOR AND TEXTURE.

IT WILL ALSO INCLUDE THE REMOVAL, STORAGE, DISPOSAL, AND REPLACEMENT OF ANY CLIP ANGLES, SUPPORTS, BEARING PADS 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 WITH REMOVAL OF EXISTING PANELS AND INSTALLATION OF NEW PANELS AS TO NOT DAMAGE ANY PORTION OF THE EXISTING NOISE BARRIER PANEL, POST AND FOUNDATION THAT IS TO REMAIN OR TO BE REUSED. REPLACE OR REPAIR PANELS, POSTS DAMAGED BY THIS REMOVAL AND INSTALLATION OPERATIONS AT NO COST TO THE PROJECT. AT LEAST SEVEN (7) BUSINESS DAYS BEFORE PERFORMING REPAIR WORK, SUBMIT A PROPOSED REPAIR PLAN, DEVELOPED BY AN OHIO REGISTERED PROFESSIONAL ENGINEER TO THE ENGINEER. OBTAIN THE ENGINEER'S APPROVAL BEFORE PERFORMING THE REPAIR.

REPLACEMENT PANELS SHALL BE DESIGNED TO FIT WITHIN THE EXISTING PRECAST CONCRETE POSTS. 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 SOUND. PROVIDE ADEQUATE SUPPORTS TO HOLD THE PANELS IN PLACE BOTH IN ELEVATION AND Laterally BASED ON THE MANUFACTURER'S RECOMMENDATIONS AND THAT ARE ACCEPTABLE TO THE ENGINEER; HOWEVER, WOOD SHIMS/BLOCKS SHALL NOT BE USED. THE DESIGNED SUPPORTS SHALL BE DETAILED IN THE SHOP DRAWINGS.

FOLLOW STANDARD DRAWING NBS-1-09 AND THE DETAILS OF THESE PLANS.

AFTER THE EXISTING PANELS HAVE BEEN REMOVED AND PRIOR TO INSTALLING THE NEW PANELS, REGRADE THE GROUND BETWEEN THE EXISTING PRECAST CONCRETE POSTS TO ENSURE A SMOOTH DRAINAGE SURFACE FREE OF ALL IRREGULARITIES.

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.

REPLACEMENT NOISE BARRIER PANELS SHALL BE INSTALLED WITHIN 1 WEEK OF THE REMOVAL OF THE PANES.

SEEDING AND MULCHING IS REQUIRED. FOR AREAS ADJACENT TO A RESIDENTIAL PROPERTY, USE CMSC 659 LAWN MIXTURE.

PAYMENT FOR ALL OF THE ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID PER EACH FOR ITEM 606, SPECIAL - NOISE BARRIER REMOVAL AND REPLACEMENT UNLESS OTHERWISE NOTED, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

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**GENERAL NOTES**

**DEL / FRA / MAD P2  
NOISE WALL REPAIR**

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**ITEM 606, SPECIAL - NOISE BARRIER, CONCRETE PANEL REPLACEMENT (REFLECTIVE)**

THIS ITEM IS INTENDED FOR LOCATION 2.

THIS ITEM SHALL CONSIST OF THE INSTALLATION OF NEW CONCRETE NOISE BARRIER PANELS. SEE PLAN SHEETS FOR COLOR AND TEXTURE.

IT WILL ALSO INCLUDE THE REMOVAL, STORAGE, DISPOSAL AND REPLACEMENT OF ANY CLIP ANGLES, SUPPORTS, BEARING PADS 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 WITH THE INSTALLATION OF NEW PANELS AS TO NOT DAMAGE ANY PORTION OF THE EXISTING NOISE BARRIER PANEL, POST AND FOUNDATION THAT IS TO REMAIN OR TO BE REUSED. REPLACE OR REPAIR PANELS, POSTS DAMAGED BY THIS INSTALL OPERATIONS AT NO COST TO THE PROJECT. AT LEAST SEVEN (7) BUSINESS DAYS BEFORE PERFORMING REPAIR WORK, SUBMIT A PROPOSED REPAIR PLAN, DEVELOPED BY AN OHIO REGISTERED PROFESSIONAL ENGINEER TO THE ENGINEER. OBTAIN THE ENGINEER'S APPROVAL BEFORE PERFORMING THE REPAIR.

REPLACEMENT PANELS SHALL BE DESIGNED TO FIT WITHIN THE EXISTING PRECAST CONCRETE POSTS. 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 SOUND. PROVIDE ADEQUATE SUPPORTS TO HOLD THE PANELS IN PLACE BOTH IN ELEVATION AND LATERALLY BASED ON THE MANUFACTURER'S RECOMMENDATIONS AND THAT ARE ACCEPTABLE TO THE ENGINEER; HOWEVER, WOOD SHIMS/BLOCKS SHALL NOT BE USED. THE DESIGNED SUPPORTS SHALL BE DETAILED IN THE SHOP DRAWINGS.

FOLLOW STANDARD DRAWING NBS-1-09 AND THE DETAILS OF THESE PLANS.

PRIOR TO INSTALLING THE NEW PANELS, REGRADE THE GROUND BETWEEN THE EXISTING PRECAST CONCRETE POSTS TO ENSURE A SMOOTH DRAINAGE SURFACE FREE OF ALL IRREGULARITIES.

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.

REPLACEMENT NOISE BARRIER PANELS SHALL BE INSTALLED WITHIN 1 WEEK OF THE REMOVAL OF EXISTING PANELS.

SEEDING AND MULCHING IS REQUIRED. FOR AREAS ADJACENT TO A RESIDENTIAL PROPERTY, USE CMSC 659 LAWN MIXTURE.

PAYMENT FOR ALL OF THE ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID PER EACH FOR ITEM 606, SPECIAL - NOISE BARRIER, CONCRETE PANEL REPLACEMENT (REFLECTIVE) UNLESS OTHERWISE NOTED, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

**ITEM 606, SPECIAL - NOISE BARRIER, STEEL PANEL REMOVAL AND REPLACEMENT**

THIS ITEM IS INTENDED FOR LOCATION 6.

THIS ITEM SHALL CONSIST OF ANY REMOVAL, STORAGE, AND DISPOSAL OF EXISTING NOISE BARRIER PANELS AND INSTALLATION OF NEW STEEL POST COVERS AND STEEL PANELS. SEE PLAN SHEETS FOR COLOR AND TEXTURE.

REPLACEMENT PANELS SHALL BE DESIGNED TO FIT WITHIN THE EXISTING STEEL POSTS. THE DESIGNED POST COVERS AND SUPPORTS SHALL BE DETAILED IN THE SHOP DRAWINGS.

AFTER THE EXISTING PANELS HAVE BEEN REMOVED AND PRIOR TO INSTALLING THE NEW PANELS, REGRADE THE GROUND BETWEEN THE STEEL POSTS TO ENSURE A SMOOTH DRAINAGE SURFACE FREE OF ALL IRREGULARITIES.

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.

REPLACEMENT NOISE BARRIER PANELS SHALL BE INSTALLED WITHIN 1 WEEK OF THE REMOVAL OF THE PANES.

SEEDING AND MULCHING IS REQUIRED. FOR AREAS ADJACENT TO A RESIDENTIAL PROPERTY, USE CMSC 659 LAWN MIXTURE.

PAYMENT FOR ALL OF THE ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID PER SQUARE FEET FOR ITEM 606, SPECIAL - NOISE BARRIER, STEEL PANEL REMOVAL AND REPLACEMENT UNLESS OTHERWISE NOTED, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

**ITEM 607, FENCE, MISC.: TEMPORARY FENCE**

IF THE EXISTING NOISE BARRIER PANELS ARE REMOVED AND NOT REPLACED WITHIN THE SAME DAY, A TEMPORARY FENCE MUST BE ERECTED TO SPAN THE VOID LEFT BY THE PANEL BEFORE THE END OF THE ACCEPTED WORK DAY.

THE TEMPORARY FENCE SHALL BE WOOD SNOW FENCE, PLASTIC NYLON CONSTRUCTION FENCE, OR ANY OTHER APPROVED EQUAL BY THE ENGINEER MOUNTED ON DRIVEN POSTS. THE FENCE SHALL SECURE THE AREA TO ALLOW FOR NO UNWANTED ACCESS TO THE INTERSTATE, OR TO THE ADJACENT RESIDENCE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE TEMPORARY FENCE TO ENSURE THAT NO FENCE DEFICIENCIES ARISE THAT MAY REDUCE THE ABILITY TO EFFECTIVELY PREVENT THE UNWANTED ACCESS LISTED ABOVE.

THE TEMPORARY FENCE SHALL BE REMOVED WHEN NO LONGER REQUIRED.

ALL COSTS ASSOCIATED WITH THE ABOVE WORK SHALL BE CONSIDERED INCIDENTAL TO THE ITEMS PROVIDED FOR EACH RESPECTIVE NOISE WALL REPAIR LOCATION.

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**GENERAL NOTES**

**DEL / FRA / MAD P2  
NOISE WALL REPAIR**

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**ITEM 614, MAINTAINING TRAFFIC**

LOCATION 1 - MAD-IR70/SR56  
NO LANE CLOSURES ARE REQUIRED TO REMOVE AND REPLACE THE DAMAGED BOTTOM REINFORCED CONCRETE/BRICK PANEL FOR THE NOISE WALL ALONG THE SOUTH SIDE OF RAMP C ONTO I-70 EB.

LOCATION 2 - FRA-IR71-24.03  
NO LANE CLOSURES ARE REQUIRED TO REPLACE TWO MISSING BOTTOM PANELS OF THE NOISE WALL ALONG THE EAST SIDE OF RAMP R EXITING I-71 NB.

LOCATION 3 - FRA-IR71-23.68  
NO LANE CLOSURES ARE REQUIRED TO REMOVE AND REPLACE THE DAMAGED BOTTOM PANEL OF THE NOISE WALL ALONG THE EAST SIDE OF RAMP O ONTO I-71 NB.

LOCATION 4 - FRA-IR270-20.92  
NO LANE CLOSURES ARE REQUIRED TO REMOVE AND REPLACE THE DAMAGED BOTTOM CONCRETE PANEL OF THE NOISE WALL LOCATED ALONG THE SOUTH SIDE OF I-270 EB.

LOCATION 5 - DEL-US42-6.99  
CLOSING OF THE SOUTHBOUND LANE OF US-42 WILL BE USED TO REMOVE THE PANELS, WELD EXTENSION FLANGES, AND REINSTALL THE REMOVED PANELS OF THE NOISE WALL ADJACENT TO THE SHOULDER ALONG US-42 SB. THE DURATION OF THE CLOSURE IS ANTICIPATED TO BE 2 NIGHTS. THE SOUTHBOUND LANE WILL BE CLOSED WITH DRUMS PER SCD MT-97.10 AND TWO-WAY TRAFFIC WILL BE PERMITTED BY USE OF FLAGGERS.

THE PROPOSED NOISE WALL WILL BE CONSTRUCTED DURING THE FOLLOWING NIGHT TIME SHOULDER CLOSURES PER MT-95.45:

- MON TO SUN 10PM TO 5AM

LOCATION 6 - FRA-IR71-29.63  
CLOSING ONE LANE OF IR-71 NB WILL BE USED TO REMOVE AND REPLACE THE DAMAGED STEEL POST AND THE BOTTOM 10 PANELS OF THE TWO BAYS ADJACENT TO THE POST OF THE NOISE WALL ALONG THE EAST SIDE OF IR-71 NB. THE NORTHBOUND LANE ADJACENT TO THE SHOULDER WILL BE CLOSED WITH DRUMS PER SCD MT-95.30 AND MT-98.22. LANE CLOSURES SHOULD BE IN ACCORDANCE WITH THE TIMES SHOWN IN THE LANE VALUE CONTRACT TABLE.

**ITEM 614, MAINTAINING TRAFFIC (LANE CLOSURE/REDUCTION REQUIRED)**  
LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

SHOULDER CLOSURES SHALL ONLY BE ALLOWED AT THE TIMES SPECIFIED FOR LANE CLOSURES, UNLESS PERMISSION IS GRANTED BY THE DISTRICT WORK ZONE TRAFFIC MANAGER OR PROJECT ENGINEER.

NO LANE CLOSURES OR SHOULDER CLOSURES SHALL BE IN PLACE WHEN NO WORK IS BEING PERFORMED.

**ITEM 614, MAINTAINING TRAFFIC (SIGNS AND BARRICADES)**

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION AS SHOWN IN THE PLANS.

**NOTICE OF TRAFFIC RESTRICTIONS**

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

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

NOTIFICATION TIME FRAME TABLE			
ITEM	DURATION OF CLOSURE	NOTIFICATION DUE TO DISTRICT 12 COMMUNICATIONS OFFICE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE	7 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE	2 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE	
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE	
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION	

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

**LANES OPEN DURING HOLIDAYS AND SPECIAL EVENTS**

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

CHRISTMAS	FOURTH OF JULY
NEW YEAR'S	LABOR DAY
MEMORIAL DAY	THANKSGIVING
	(OTHER HOLIDAY OR EVENT)

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 TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00 NOON FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00 NOON FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00 NOON MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00 NOON TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00 NOON WEDNESDAY THROUGH 6:00 AM FRIDAY
THANKSGIVING	5:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00 NOON THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00 NOON FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

**LANE VALUE CONTRACT TABLE**

THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE AS DESIGNATED IN THE LANE VALUE CONTRACT TABLE FOR EACH UNIT OF TIME A LANE/SHOULDER/RAMP IS CLOSED BY THE CONTRACTOR'S ACTION WHILE NOT OTHERWISE PERMITTED BY THE LANE VALUE CONTRACT TABLE.

LANE VALUE CONTRACT TABLE						
FRA-71						
SECTION (SLM)	EXISTING NUMBER OF LANES PER DIRECTION	LANE CLOSURES ARE NOT PERMITTED:				DISINCENTIVE AMOUNTS PER MINUTE PER LANE
		LANE REDUCTION	MON TO THUR	FRI-SAT	SUN	
AT I-270 (NORTH SIDE) (27.76 - 28.92)	3	3 TO 2	5AM - 8PM	7AM - 9AM & 2PM - 7PM	7AM - 9AM & 2PM - 7PM	\$365
		3 TO 1	5AM - 11PM	6AM - 10PM	6AM - 10PM	\$365
I-270 (NORTH SIDE) (28.92) TO DELAWARE COUNTY LINE (29.90)	4	4 TO 3	5AM - 9AM & 3PM - 6PM	NO RESTRICTION	NO RESTRICTION	\$440
		4 TO 2	5AM - 8PM	7AM - 9AM & 2PM - 7PM	7AM - 9AM & 2PM - 10PM	\$440
		4 TO 1	5AM - 11PM	NOT PERMITTED	NOT PERMITTED	\$440

SHORT TERM SHOULDER CLOSURES ARE NOT PERMITTED 5AM - 9AM AND 3PM - 6PM MONDAY - FRIDAY.

**COORDINATION WITH ADJACENT PROJECTS**

THE CONTRACTOR SHALL COORDINATE WORK WITH ODOT AND THE CONTRACTORS ON THE ADJACENT PROJECTS (IF ANY).

COORDINATION SHALL BE MADE TO PREVENT CONFLICTING ADVANCE WARNING SIGNS, CONFLICTING DETOUR ROUTES, OVERLAPING/CONFLICTING LANE CLOSURES, AND TO ENSURE THAT A MINIMUM DISTANCE OF 2 MILES BETWEEN ADJACENT LANE CLOSURES IS MAINTAINED. THIS IS NOT AN EXHAUSTIVE LIST OF COORDINATION ITEMS THAT MAY NEED TO BE RESOLVED BETWEEN PROJECTS. THE DEPARTMENT RESERVES THE RIGHT TO DECIDE WHICH PROJECT'S ACTIVITIES TAKE PRECEDENCE. PROJECTS THAT HAVE ACTIVITIES DELAYED DUE TO CONFLICTS WILL CONSIDER THIS AN EXCUSABLE, NON-COMPENSABLE DELAY PER 108.06.B. ON PROJECTS THAT HAVE ACTIVITIES DELAYED DUE TO CONFLICTS WHERE THE CONTRACTOR FAILED TO MEET THE NOTIFICATION REQUIREMENTS, THE DELAYS SHALL NOT BE CONSIDERED EXCUSABLE OR COMPENSABLE.

ATTENDANCE AT DEPARTMENT ORDERED TRAFFIC COORDINATION MEETINGS BETWEEN ADJACENT PROJECTS SHALL BE CONSIDERED MANDATORY FOR EACH PROJECT'S SUPERINTENDENT AND WORKSITE TRAFFIC SUPERVISOR (WTS), AND INCIDENTAL TO THE LUMP SUM MAINTENANCE OF TRAFFIC PAYMENT ITEM.

**NOTIFICATION OF CONSTRUCTION INITIATION**

AT LEAST FOURTEEN DAYS PRIOR TO STARTING INITIAL CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL ADVISE THE DISTRICT OFFICE OF COMMUNICATIONS VIA EMAIL AT D06.PIO@DOT.OHIO.GOV, THE DISTRICT WORK ZONE TRAFFIC MANAGER VIA EMAIL AT D06.MOT@DOT.OHIO.GOV AND THE CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION VIA EMAIL AT HAULING.PERMITS@DOT.OHIO.GOV OF THE ANTICIPATED START DATE OF ANY CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO THE PLACING OF WORK ZONE SIGNS. THE NOTIFICATION SHALL ALSO INCLUDE THE PROJECT NUMBER, PID, NAME AND PHONE NUMBER OF THE CONTRACTOR, A POINT OF CONTACT AND THE ANTICIPATED IMPACT ON TRAFFIC. THE CONTRACTOR WILL IMMEDIATELY INFORM THE DISTRICT OFFICE OF COMMUNICATIONS AND THE DISTRICT WORK ZONE TRAFFIC MANAGER OF ANY AND ALL DELAYS AND/OR CHANGES REGARDING THE CONSTRUCTION INITIATION DATE.

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MAINTENANCE OF TRAFFIC GENERAL NOTES

DEL / FRA / MAD P2  
NOISE WALL REPAIR

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**ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE**

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMTCD INTENDS THAT FLAGGERS BE USED.

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

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

- DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

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

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

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

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

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

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

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

**ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE (CONT.)**

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 50 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.

**WORK ZONE INCREASED PENALTIES SIGN (R11-H5A)**

R11-H5A-48 SIGNS SHALL BE FURNISHED, ERECTED, AND MAINTAINED IN GOOD CONDITION AND/OR REPLACED AS NECESSARY AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. SIGNS SHALL BE MOUNTED AT THE APPROPRIATE OFFSETS AND ELEVATIONS AS PRESCRIBED BY THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THEY SHALL BE MAINTAINED ON SUPPORTS MEETING CURRENT SAFETY CRITERIA.

THE SIGNS MAY BE ERECTED OR UNCOVERED NO MORE THAN FOUR HOURS BEFORE THE ACTUAL START OF WORK. THE SIGNS SHALL BE REMOVED OR COVERED NO LATER THAN FOUR HOURS FOLLOWING RESTORATION OF ALL LANES TO TRAFFIC WITH NO RESTRICTIONS, OR SOONER AS DIRECTED BY THE ENGINEER. TEMPORARY SIGN COVERING AND UNCOVERING DUE TO TEMPORARY LANE RESTORATIONS SHALL BE GUIDED BY THE FOUR-HOUR LIMITATIONS STATED ABOVE. SUCH LANE RESTORATIONS SHOULD BE EXPECTED TO REMAIN IN EFFECT FOR 30 OR MORE CONSECUTIVE CALENDAR DAYS, SUCH AS DURING WINTER SHUTDOWNS.

THE CONTRACTOR MAY USE SIGNS AND SUPPORTS IN USED, BUT GOOD, CONDITION PROVIDED THE SIGNS MEET CURRENT ODOT SPECIFICATIONS. SIGN FACES SHALL BE RETROREFLECTORIZED WITH TYPE G SHEETING COMPLYING WITH THE REQUIREMENTS OF C&MS 730.19.

WORK ZONE INCREASED PENALTIES SIGNS AND SUPPORTS WILL BE MEASURED AS THE NUMBER OF SIGN INSTALLATIONS, INCLUDING THE SIGN AND NECESSARY SUPPORTS. IF A SIGN AND SUPPORT COMBINATION IS REMOVED AND REERECTED AT ANOTHER LOCATION AS DIRECTED BY THE ENGINEER, IT SHALL BE CONSIDERED ANOTHER UNIT.

PAYMENT FOR ACCEPTED QUANTITIES, COMPLETE, IN PLACE WILL BE MADE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIALS, LABOR, INCIDENTALS AND EQUIPMENT FOR FURNISHING, ERECTING, MAINTAINING, COVERING DURING SUSPENSION OF WORK, AND REMOVAL OF THE SIGN AND SUPPORT.

ITEM 614, WORK ZONE INCREASED PENALTIES SIGN 6 EACH

WORK ZONE INCREASED PENALTIES SIGNS WILL BE PLACED AT THE FOLLOWING LOCATIONS:

- IN ADVANCE OF THE WORK ZONE ON US-42 NB & SB (LOCATION 5)
- IN ADVANCE OF THE WORK ZONE ON IR-71 NB (LOCATION 6)

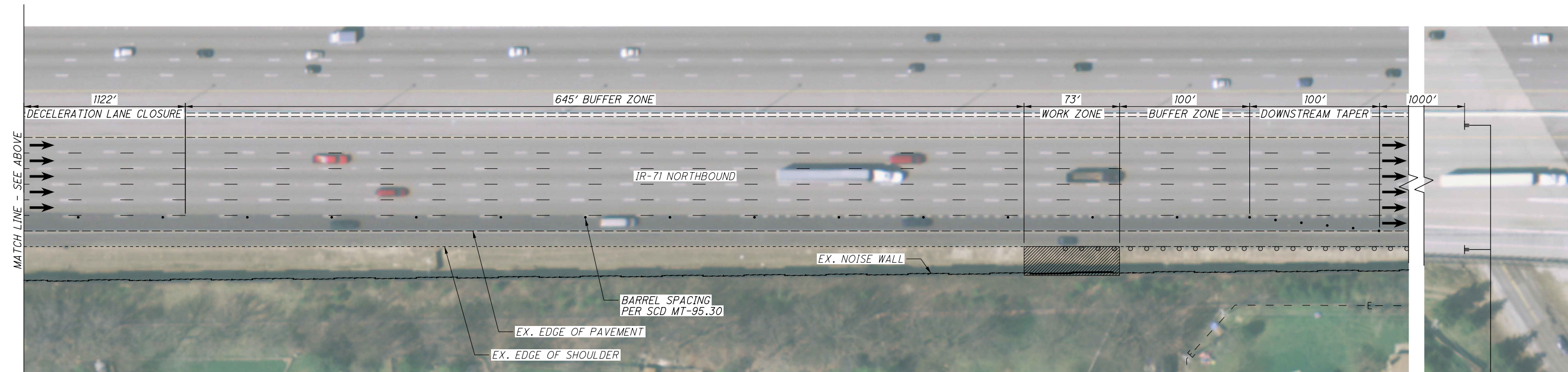
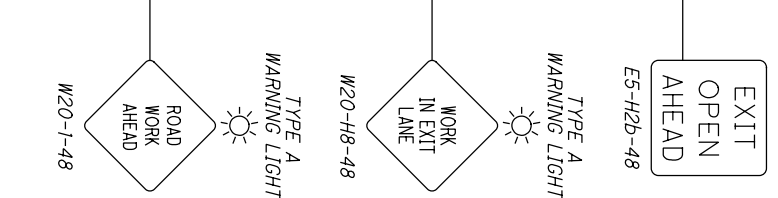
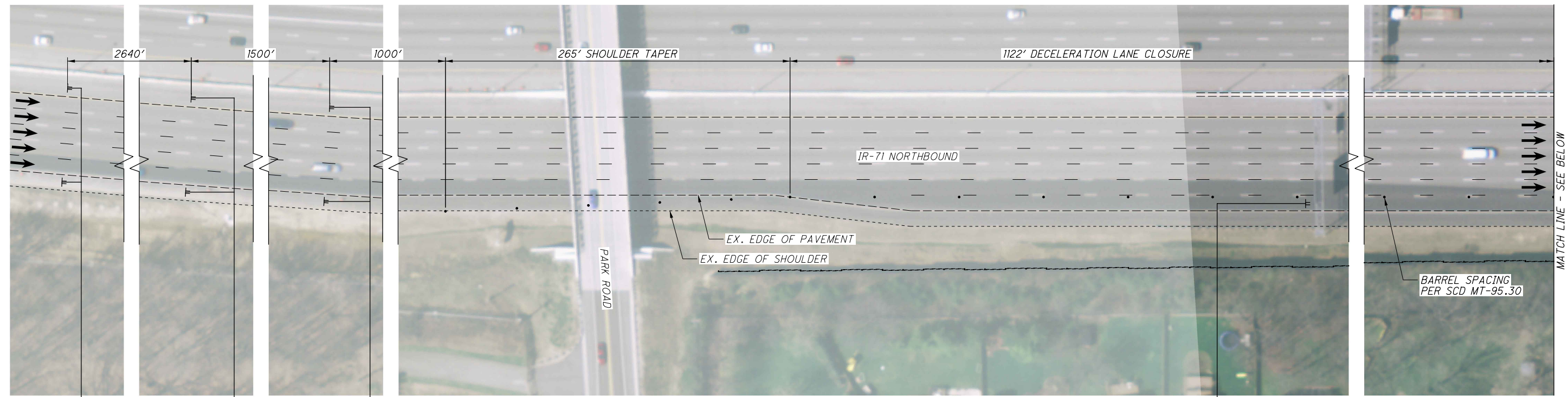
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MAINTENANCE OF TRAFFIC GENERAL NOTES

DEL / FRA / MAD P2  
NOISE WALL REPAIR

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# MAINTENANCE OF TRAFFIC PLAN LOCATION 9

# DEL FRA / MAD P2 NOISE WALL REPAIR

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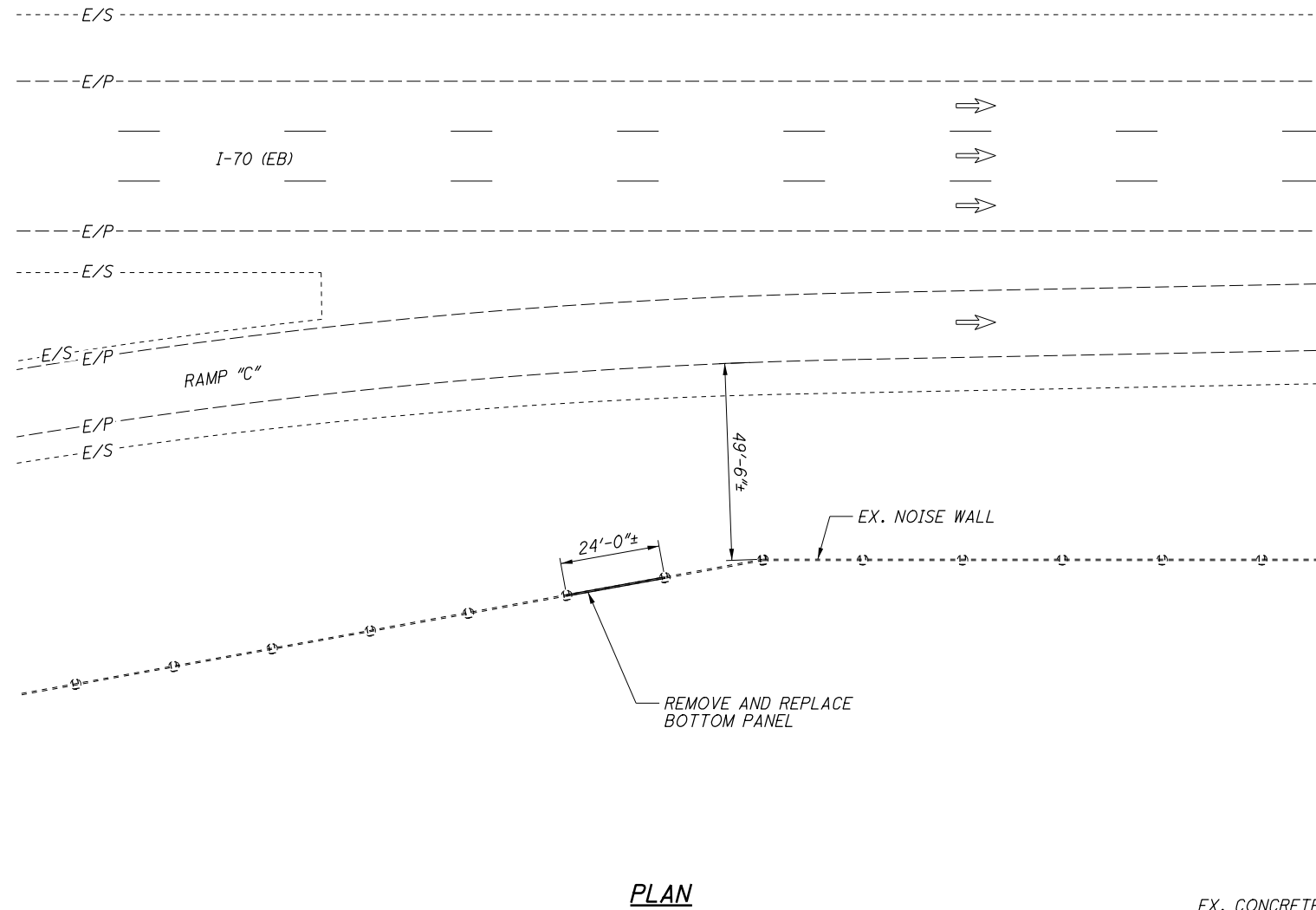
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LS			3							LS	LS		201	11000	LS		CLEARING AND GRUBBING	
										3			203	35121	3	CY	GRANULAR MATERIAL, TYPE C, AS PER PLAN	11
										800	200		832	30000	1,000	EACH	EROSION CONTROL	
		LS	LS	LS	LS		LS			LS			503	21300	LS		UNCLASSIFIED EXCAVATION	
											LS		514	27800	LS		FIELD PAINTING, MISC.:FIELD PAINTING OF EXISTING STEEL POST	14
		1		1	1					3			SPECIAL	60610710	3	EACH	NOISE BARRIER PANEL REMOVAL AND REPLACEMENT	4
		1	1	2	1					5			SPECIAL	60610720	5	EACH	NOISE BARRIER PANEL REMOVAL AND REUSE	4
							5				5		SPECIAL	60610810	5	EACH	NOISE BARRIER, ALUMINUM PANEL REMOVAL AND REUSE	4
							5				5		SPECIAL	60610810	5	EACH	NOISE BARRIER, ALUMINUM PANEL REPLACEMENT	14
			2							2			SPECIAL	60610810	2	EACH	NOISE BARRIER, CONCRETE PANEL REPLACEMENT (REFLECTIVE)	5
							1				1		SPECIAL	60610810	1	EACH	NOISE BARRIER, STEEL POST REPAIR	14
								1		1			SPECIAL	60610810	1	EACH	NOISE BARRIER, STEEL POST REMOVAL AND REPLACEMENT	15
			1							1			SPECIAL	60610920	1	SF	NOISE BARRIER, CONCRETE PANEL REPAIR	11
							640			640			SPECIAL	60610920	640	SF	NOISE BARRIER, STEEL PANEL REMOVAL AND REPLACEMENT	5 & 15
	50									25	25		614	11110	50	hour	MAINTENANCE OF TRAFFIC	
	6									2	4		614	12484	6	EACH	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE WORK ZONE INCREASED PENALTIES SIGN	
										LS	LS		614	11000	LS		INCIDENTALS	
										LS	LS		624	10000	LS		MAINTAINING TRAFFIC MOBILIZATION	

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**GENERAL SUMMARY**

**DEL / FRA / MAD P2  
NOISE WALL REPAIR**

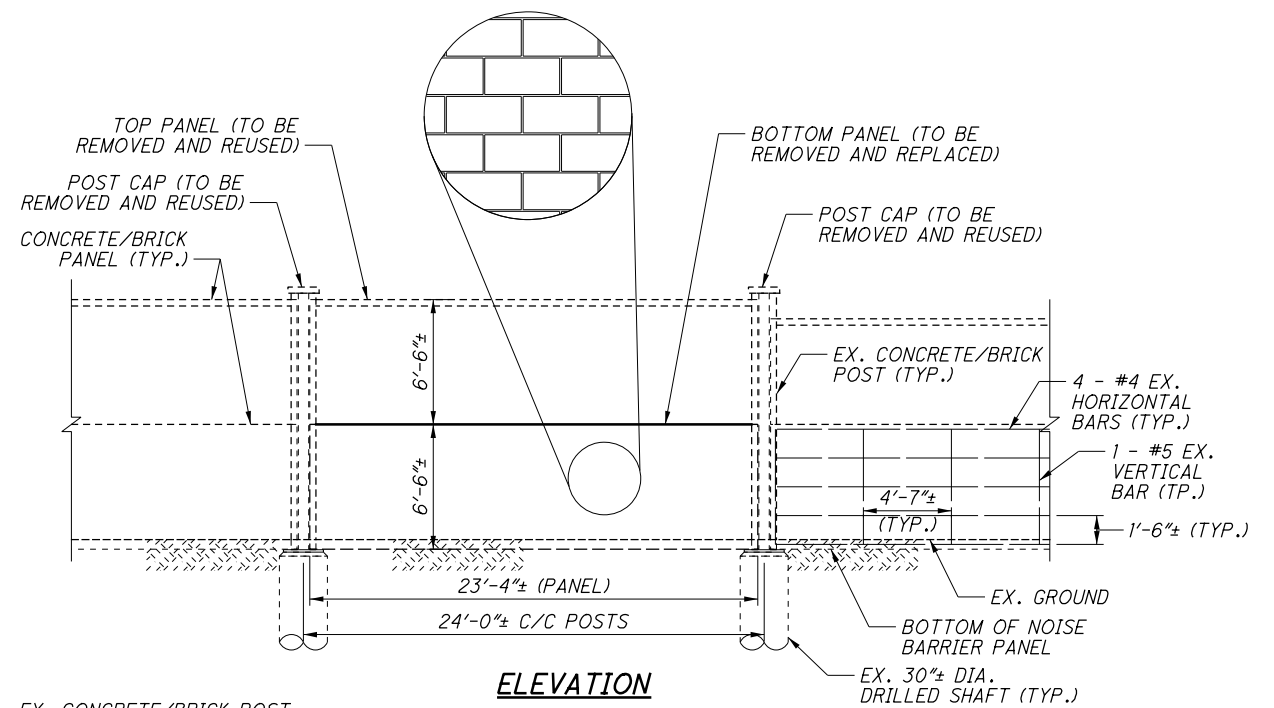
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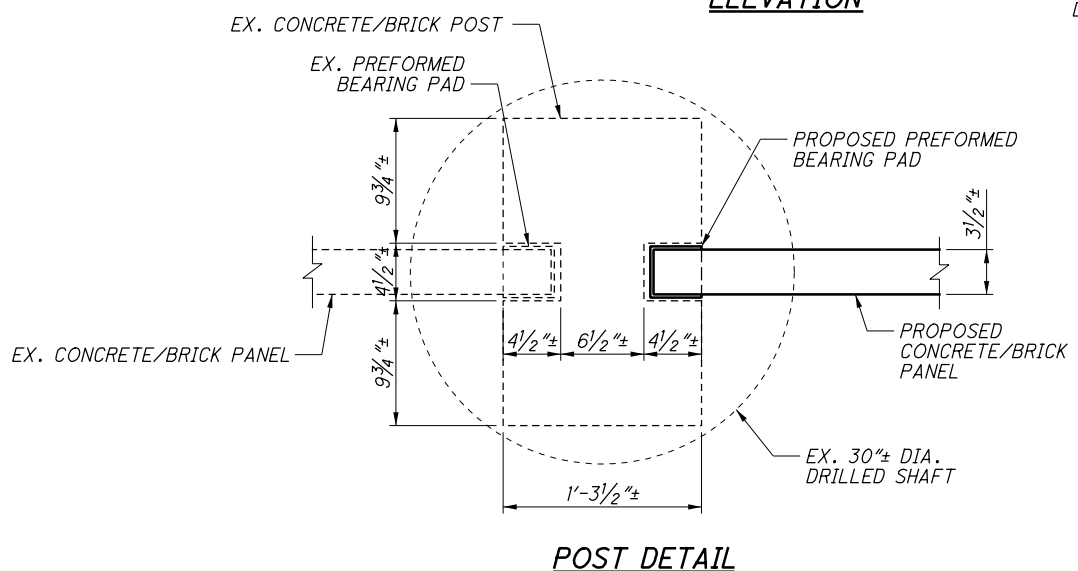
**PLAN**

**NOTES:**

1. REMOVE AND REPLACE DAMAGED BOTTOM REINFORCED CONCRETE/BRICK PANEL (23'-4"± x 6'-6"±) IN KIND. BRICK PATTERN AND COLOR ARE RUNNING BOND AND BUFFALO RED BOTH SIDES. MATCH BRICK SIZE SHAPE AND COLOR AND MORTAR JOINT SIZE AND COLOR. THE NUMBER, SIZE AND LAYOUT OF REINFORCING BARS SHALL MATCH EXISTING PANEL REINFORCEMENT. CONTRACTOR SHALL CONFIRM PANEL MEASUREMENTS, TEXTURE, COLOR, AND REINFORCING BAR LAYOUT. THESE DETAILS MUST BE APPROVED BY THE ENGINEER PRIOR TO CASTING THE PANEL.
2. THE BEARING PADS SHALL BE A MINIMUM OF 1/4" THICK AND COVER A MINIMUM OF 25 SQUARE INCHES. THE BEARING PADS SHALL CONFORM TO ODOT C&MS 711.21 PREFORMED BEARING PADS.
3. EXISTING TOP PANEL AND TWO POST CAPS SHALL BE REMOVED AND REUSED. THE DEPARTMENT WILL NOT PAY FOR DAMAGE TO THE EXISTING UPPER PANEL OR POST CAPS RESULTING FROM THIS WORK.
4. THE CONTRACTOR SHALL BE PERMITTED TO USE A FORMLINED PRECAST PANEL PROVIDED THAT THE PANEL IS MODIFIED TO FIT THE EXISTING CONCRETE/BRICK POST 4 1/2" SLOT AND THE FORMLINED FINISH IS FLUSH WITH THE EXISTING FACE OF THE TOP PANEL. THESE DETAILS MUST BE APPROVED BY THE ENGINEER PRIOR TO CASTING THE PANEL. THE COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 606, SPECIAL - NOISE BARRIER REMOVAL AND REPLACEMENT.



**ELEVATION**



**POST DETAIL**

ESTIMATED QUANTITIES					CALCULATED BY: SS CHECKED BY: DEB	
ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	SEE SHEET #	
503	21300	LUMP		UNCLASSIFIED EXCAVATION		
SPECIAL	60610710	1	EACH	NOISE BARRIER PANEL REMOVAL AND REPLACEMENT	4	
SPECIAL	60610720	1	EACH	NOISE BARRIER PANEL REMOVAL AND REUSE	4	

**NOISE WALL REPAIR PLAN & ELEVATION**

**LOCATION 1: MAD-IR70/SR56**

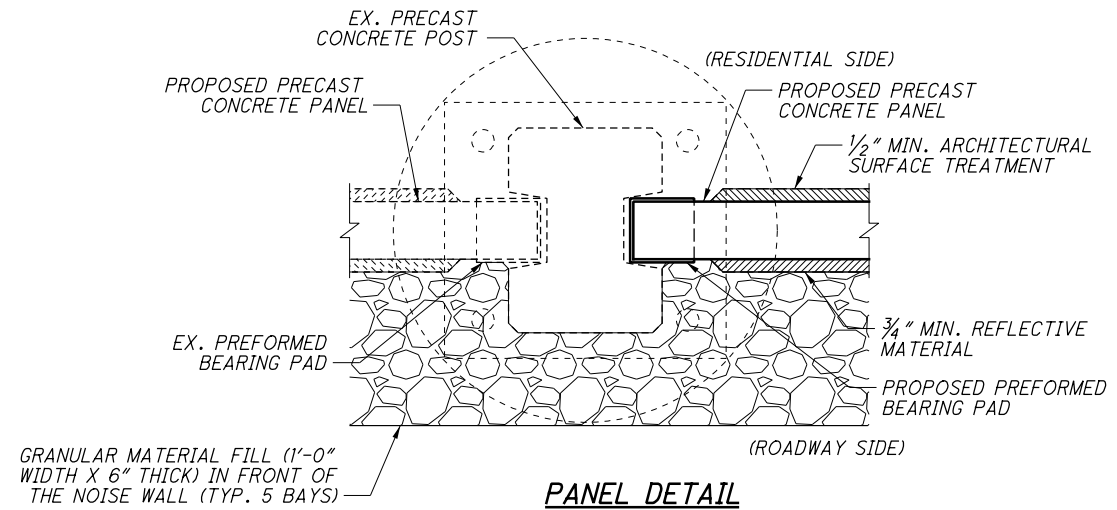
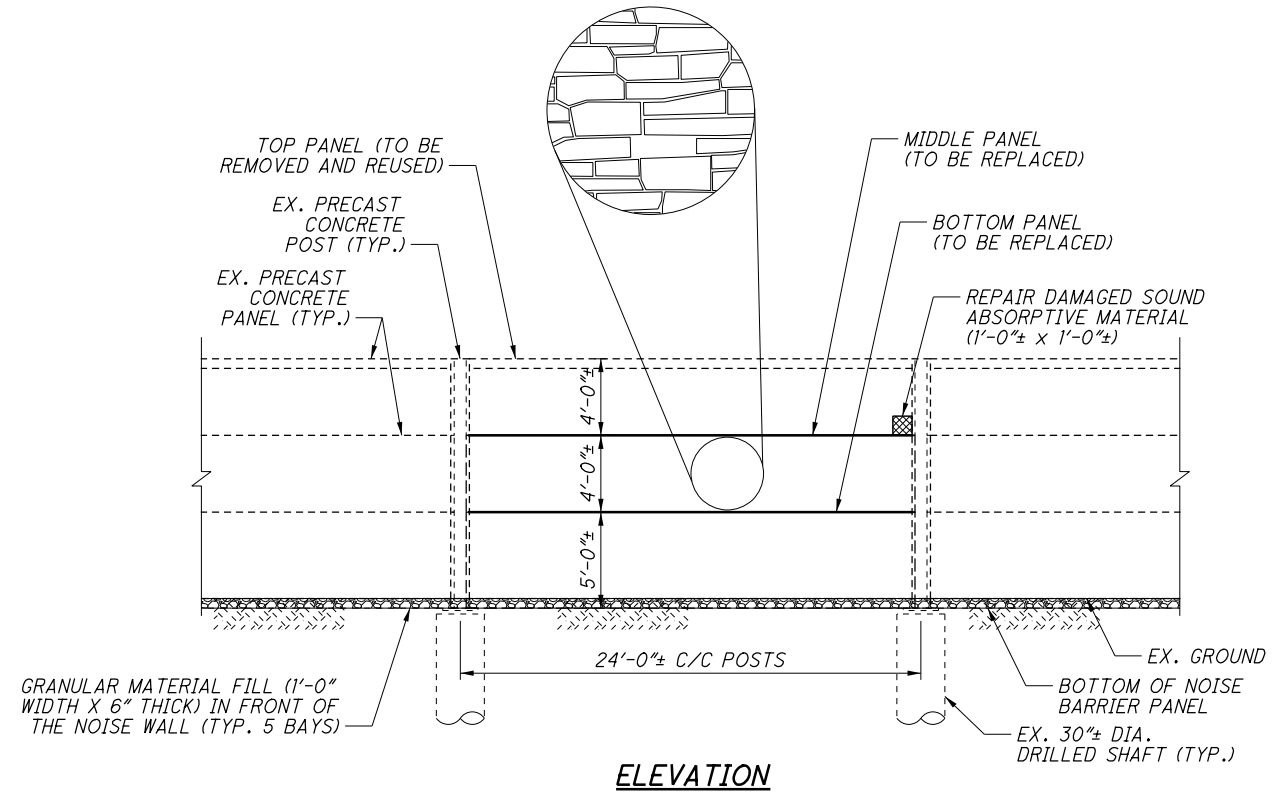
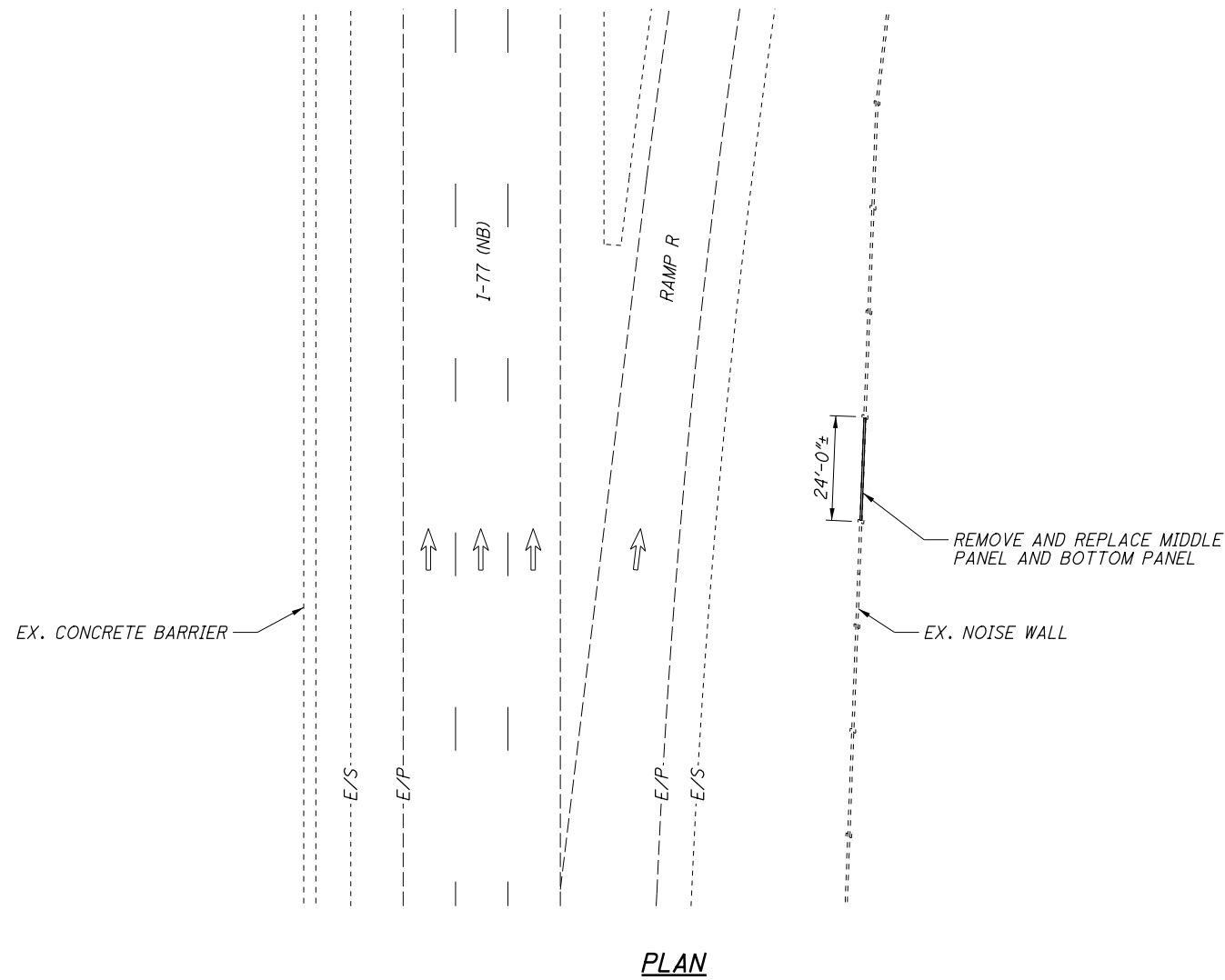
**DEL / FRA / MAD P2**

**NOISE WALL REPAIR**

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**NOTES:**

1. REPLACE TWO MISSING BOTTOM PANELS (ONE 24'-0" x 4'-0" AND ONE 24'-0" x 5'-0") WITH REFLECTIVE CONCRETE PANELS. TEXTURE AND COLOR ARE ARCHITECTURAL POLYMERS LARGE STONE OHIO DRYSTACK #9110 (OR ENGINEER APPROVED EQUAL) AND FEDERAL COLOR NUMBER 16515 (LIGHT GREY), BOTH SIDES. CONTRACTOR SHALL CONFIRM PANEL MEASUREMENTS, TEXTURE AND COLOR.
2. EXISTING TOP PANEL SHALL BE REMOVED AND REUSED. MATCH EXISTING ADJACENT HORIZONTAL JOINT LINES. THE DEPARTMENT WILL NOT PAY FOR DAMAGE TO THE EXISTING UPPER PANEL RESULTING FROM THIS WORK.
3. THE BEARING PADS SHALL BE A MINIMUM OF 1/4" THICK AND COVER A MINIMUM OF 25 SQUARE INCHES. THE BEARING PADS SHALL CONFORM TO ODOT C&MS 711.21 PREFORMED BEARING PADS.
4. REPAIR 1'-0" x 1'-0" DAMAGED SOUND ABSORPTIVE MATERIAL ON THE EXISTING PANEL. REPAIR SOUND ABSORPTIVE MATERIAL ACCORDING TO THE MANUFACTURER'S RECOMMENDED SPECIFICATION. FOR ADDITIONAL NOTES AND REQUIREMENTS, REFER TO STD. DWG. NBS-1-09.
5. PLACE GRANULAR MATERIAL FILL (1'-0" WIDTH X 6" THICK) IN FRONT OF THE NOISE WALL TO 5 BAYS. THE COST INCLUDED WITH ITEM 203, GRANULAR MATERIAL TYPE C, AS PER PLAN FOR PAYMENT.
6. FOR ADDITIONAL NOTES AND REQUIREMENTS, REFER TO STD. DWG. NBS-1-09.

**ESTIMATED QUANTITIES**

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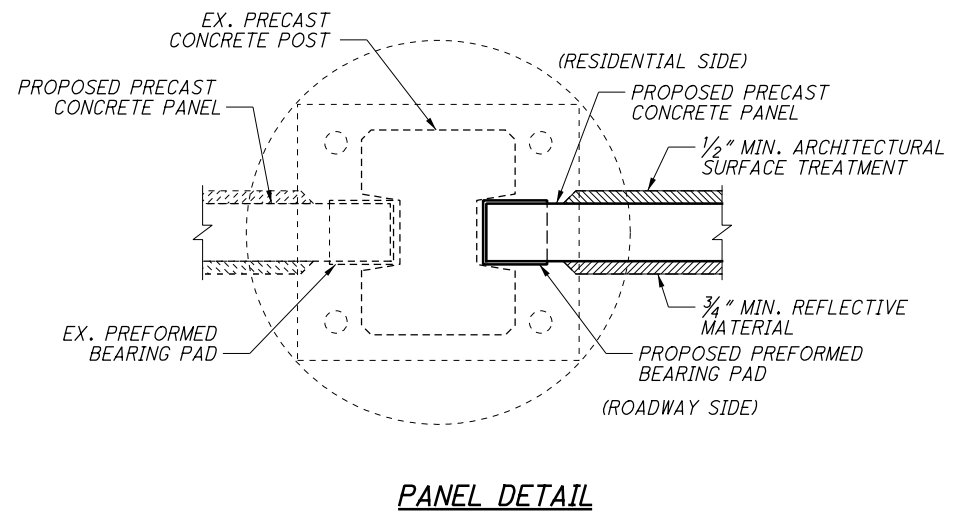
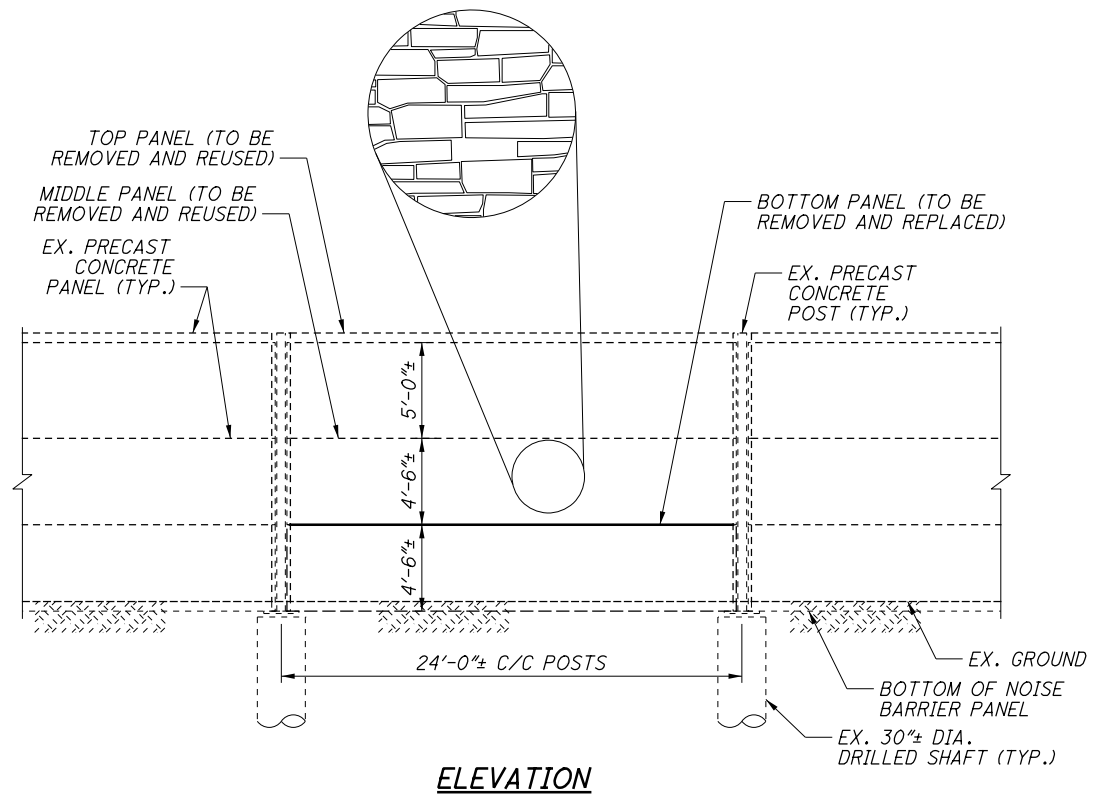
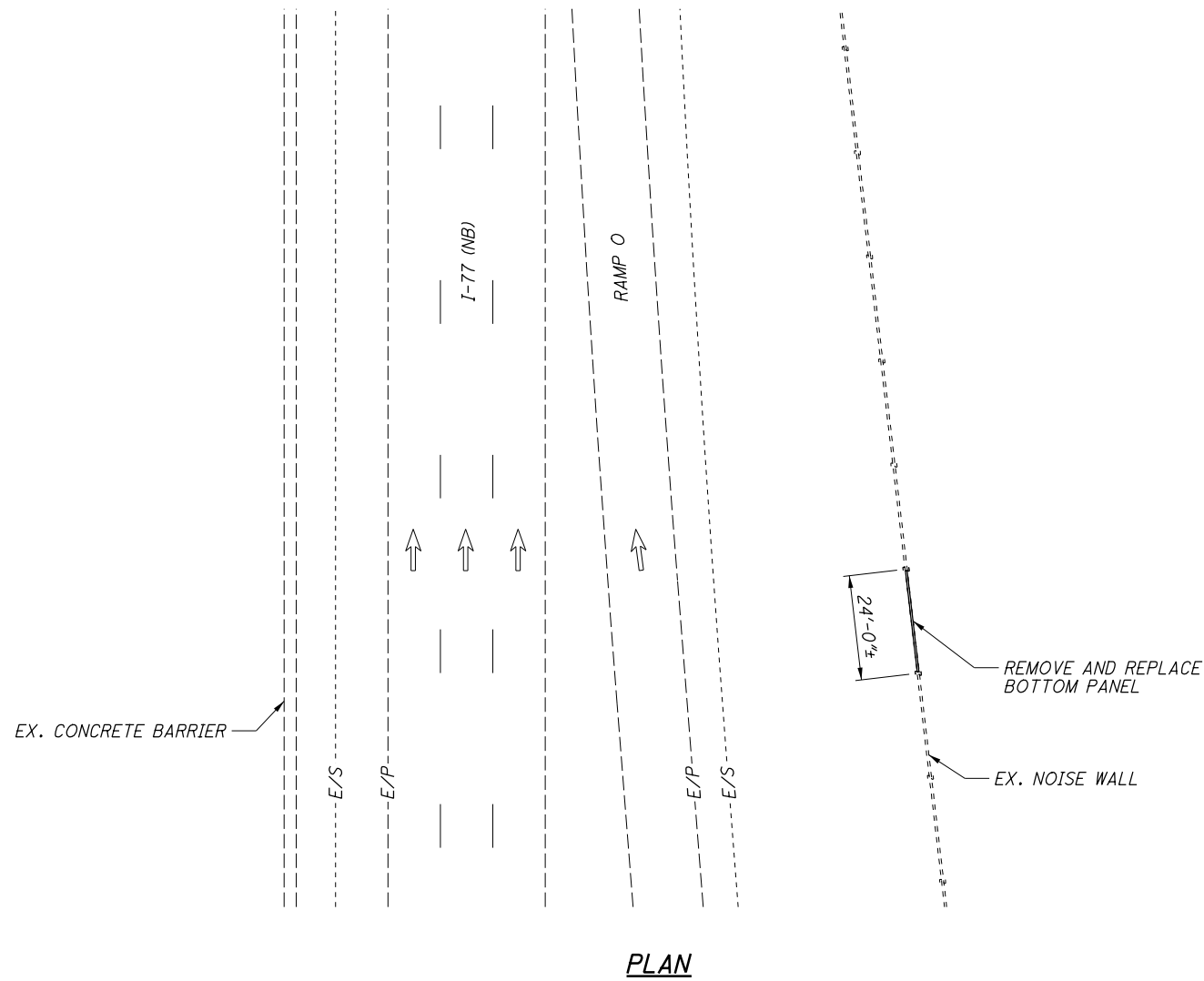
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503	21300	LUMP		UNCLASSIFIED EXCAVATION	
SPECIAL	60610720	1	EACH	NOISE BARRIER PANEL REMOVAL AND REUSE	4
SPECIAL	60610810	2	EACH	NOISE BARRIER, CONCRETE PANEL REPLACEMENT (REFLECTIVE)	5
SPECIAL	60610920	1	SF	NOISE BARRIER, CONCRETE PANEL REPAIR	11



**NOISE WALL REPAIR PLAN & ELEVATION**  
**LOCATION 2: FRA-IR71-24.03**

**DEL / FRA / MAD P2**  
**NOISE WALL REPAIR**

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**NOTES:**

1. REMOVE AND REPLACE DAMAGED BOTTOM PANEL (24'-0"± x 4'-6"±) WITH REFLECTIVE CONCRETE PANEL. TEXTURE AND COLOR ARE ARCHITECTURAL POLYMERS LARGE STONE OHIO DRYSTACK #9110 (OR ENGINEER APPROVED EQUAL) AND FEDERAL COLOR NUMBER 16515 (LIGHT GREY), BOTH SIDES. CONTRACTOR SHALL CONFIRM PANEL MEASUREMENTS, TEXTURE AND COLOR.
2. EXISTING TOP AND MIDDLE PANELS SHALL BE REMOVED AND REUSED. MATCH EXISTING ADJACENT HORIZONTAL JOINT LINES. THE DEPARTMENT WILL NOT PAY FOR DAMAGE TO THE EXISTING UPPER PANELS RESULTING FROM THIS WORK.
3. THE BEARING PADS SHALL BE A MINIMUM OF 1/4" THICK AND COVER A MINIMUM OF 25 SQUARE INCHES. THE BEARING PADS SHALL CONFORM TO ODOT C&MS 711.21 PREFORMED BEARING PADS.
4. FOR ADDITIONAL NOTES AND REQUIREMENTS, REFER TO STD. DWG. NBS-1-09.

**ESTIMATED QUANTITIES**

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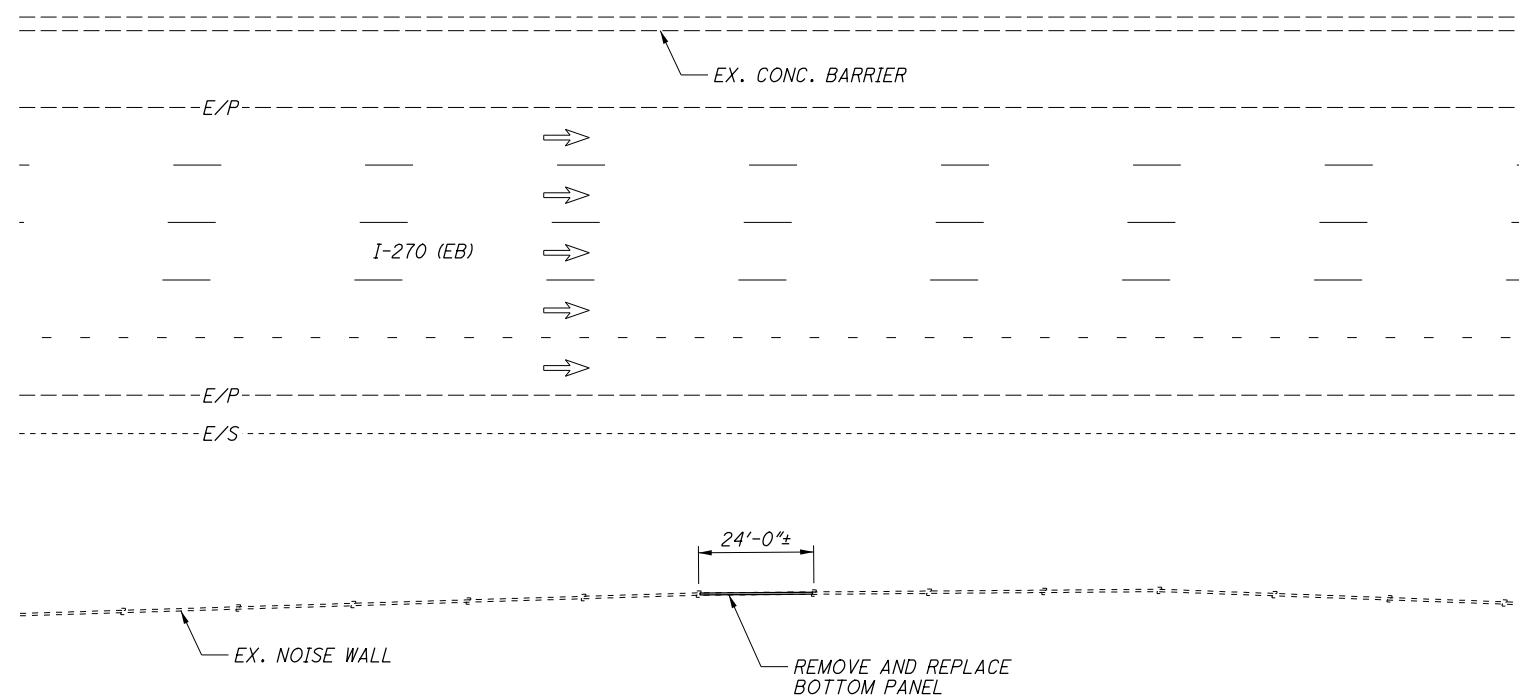
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SPECIAL	60610710	1	EACH	NOISE BARRIER PANEL REMOVAL AND REPLACEMENT	4
SPECIAL	60610720	2	EACH	NOISE BARRIER PANEL REMOVAL AND REUSE	4



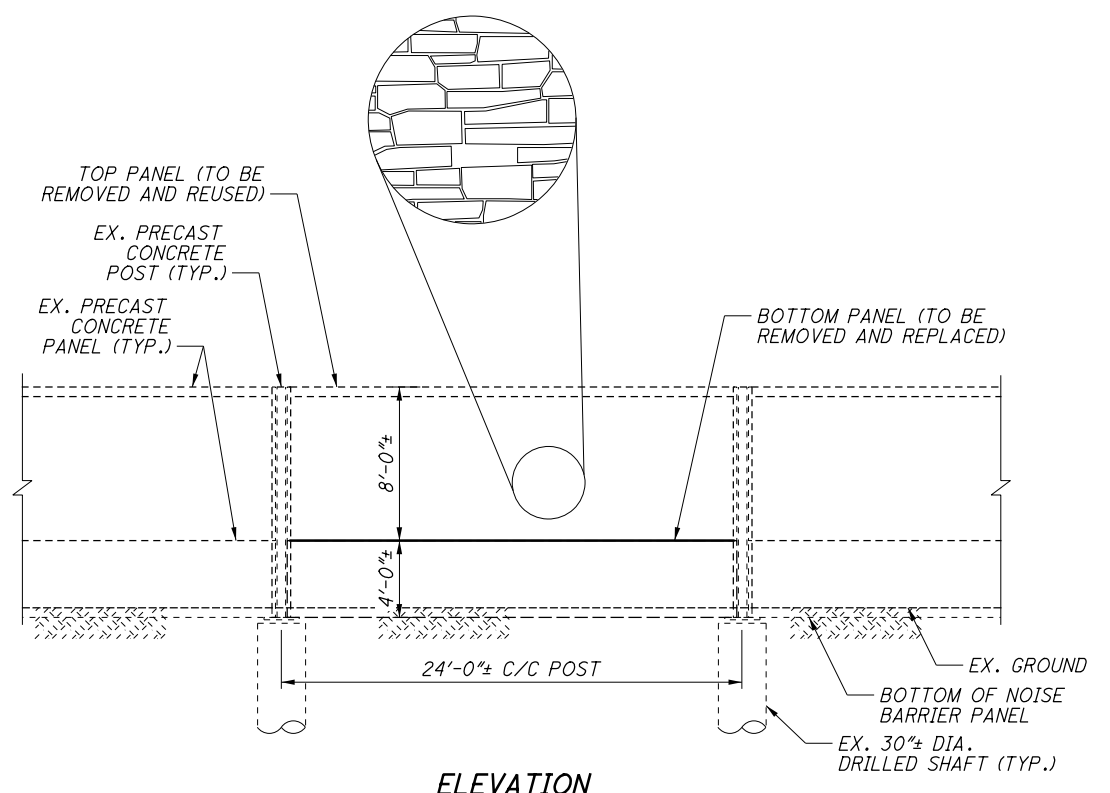
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**NOISE WALL REPAIR PLAN & ELEVATION**  
**LOCATION 3: FRA-IR71-23.68**

**DEL / FRA / MAD P2**  
**NOISE WALL REPAIR**

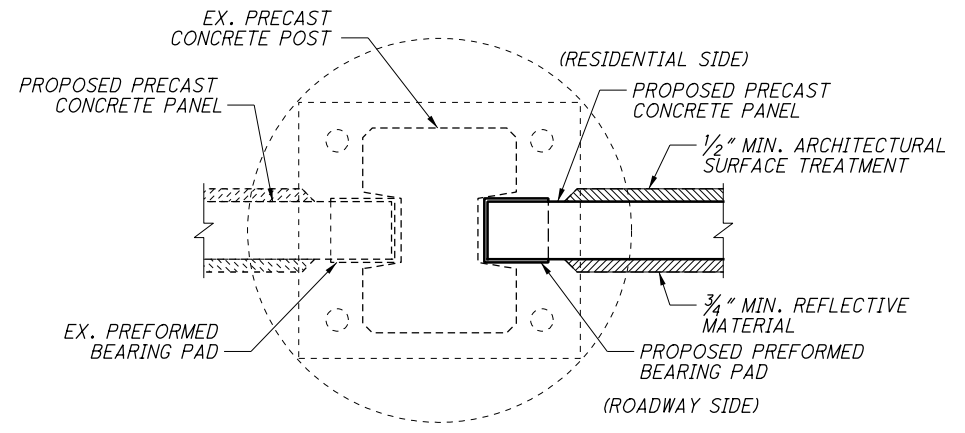
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**PLAN**



**ELEVATION**



**PANEL DETAIL**

**NOTES:**

1. REMOVE AND REPLACE DAMAGED BOTTOM CONCRETE PANEL (24'-0"± x 4'-0"±) WITH REFLECTIVE CONCRETE PANEL. HIGHWAY SIDE TEXTURE AND COLOR ARE ARCHITECTURAL POLYMERS LARGE STONE OHIO DRYSTACK #9110 (OR ENGINEER APPROVED EQUAL) AND FEDERAL COLOR NUMBER 16515 (LIGHT GREY). RESIDENT SIDE TEXTURE AND COLOR ARE ARCHITECTURAL POLYMERS ASHLAR 905 FORMLINER (OR ENGINEER APPROVED EQUAL) AND FEDERAL COLOR NUMBER 16515 (LIGHT GREY). CONTRACTOR SHALL CONFIRM PANEL MEASUREMENTS, TEXTURE AND COLOR.
2. EXISTING TOP PANEL SHALL BE REMOVED AND REUSED. MATCH EXISTING ADJACENT HORIZONTAL JOINT LINES. THE DEPARTMENT WILL NOT PAY FOR DAMAGE TO THE EXISTING UPPER PANEL RESULTING FROM THIS WORK.
3. THE BEARING PADS SHALL BE A MINIMUM OF 1/4" THICK AND COVER A MINIMUM OF 25 SQUARE INCHES. THE BEARING PADS SHALL CONFORM TO ODOT C&MS 711.21 PREFORMED BEARING PADS.
4. FOR ADDITIONAL NOTES AND REQUIREMENTS, REFER TO STD. DWG. NBS-1-09.

**ESTIMATED QUANTITIES**

CALCULATED BY: SS  
CHECKED BY: DEB

ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	SEE SHEET #
503	21300	LUMP		UNCLASSIFIED EXCAVATION	
SPECIAL	60610710	1	EACH	NOISE BARRIER PANEL REMOVAL AND REPLACEMENT	4
SPECIAL	60610720	1	EACH	NOISE BARRIER PANEL REMOVAL AND REUSE	4

**NOISE WALL REPAIR PLAN & ELEVATION**  
**LOCATION 4: FRA-IR270-20.92**

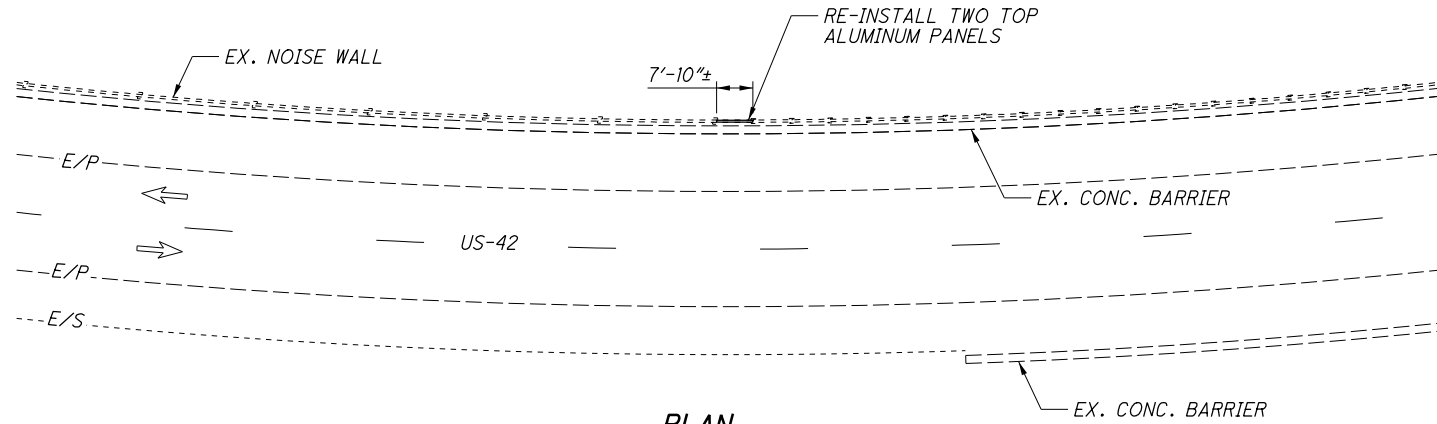
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**NOISE WALL REPAIR**

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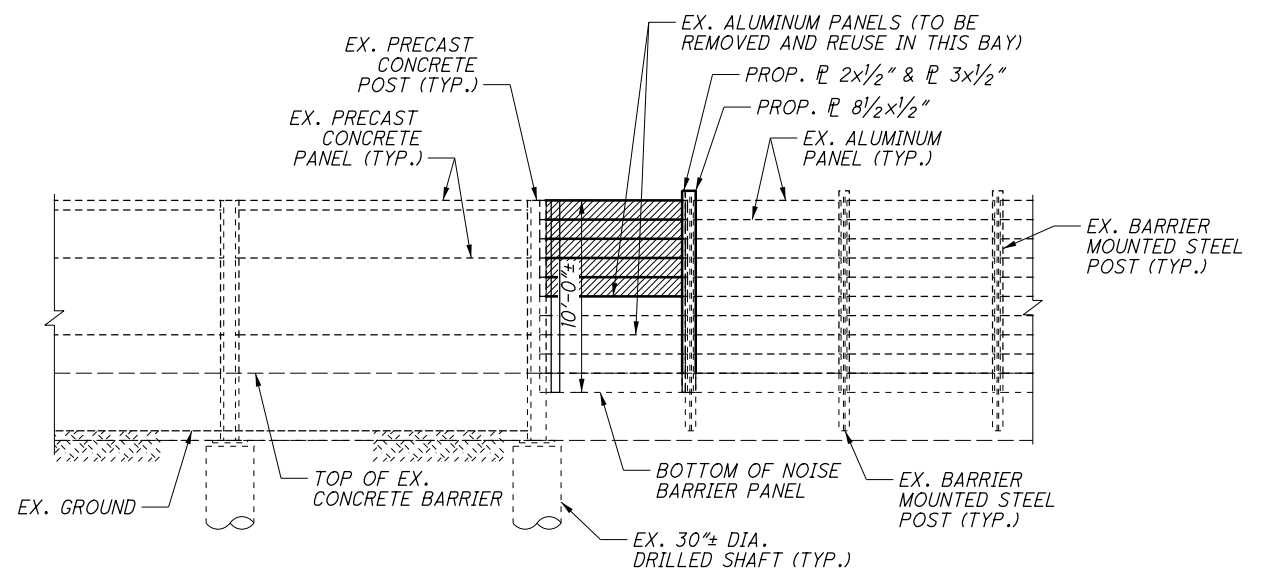
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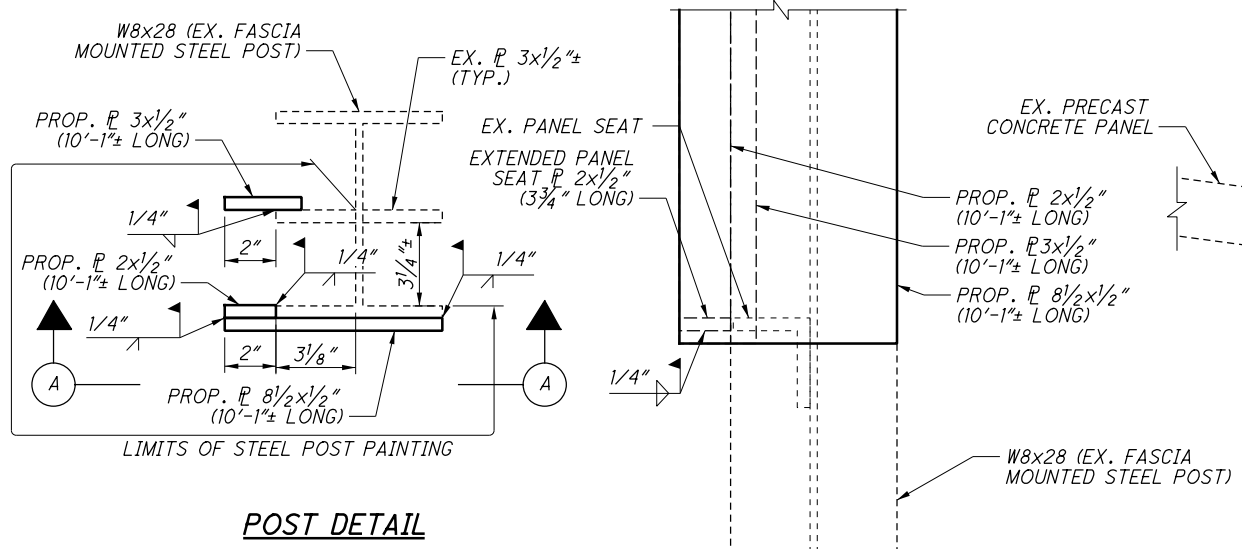


PLAN



ELEVATION

▨ - REPLACE MISSING FIVE TOP PANELS (SEE NOTE 3)



POST DETAIL

VIEW A-A

3. THE REPLACEMENT PANELS (ACOUSTAL ALUMINUM NOISE BARRIER, DIMENSIONS 7'-10" x 1'-0" x 3", FEDERAL COLOR NO. 17778 - LIGHT NEUTRAL) ARE TO BE FABRICATED BY FADDIS CONCRETE PRODUCTS, TEL NO.: (610) 269-4685. THE CONTRACTOR SHALL CONFIRM PANEL PAINT COLOR AND MEASUREMENTS. THE COLOR, MATERIAL TYPE AND PATTERN OF REPLACEMENT PANELS SHALL MATCH THE EXISTING PANELS. THESE DETAILS SHALL BE APPROVED BY THE ENGINEER PRIOR TO FABRICATION AND ORDERING THE PANELS. INSTALL 2" DIA. FOAM BACKER ROD AND L3x3x1/4" ALUMINUM ANGLE WITH 1" HEX HEAD STEEL SELF DRILLING TAPPING SCREWS AS SHOWN ON THE PLANS.

THE COST FOR THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 606, SPECIAL - NOISE BARRIER, ALUMINUM PANEL REPLACEMENT, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.

**NOTES:**

1. WELD  $\# 3x\frac{1}{2}$ " TO THE BACK FACE OF EX. BACK PLATE AS SHOWN ON THE PLANS. WELD  $\# 2x\frac{1}{2}$ " TO THE FRONT FLANGE OF THE STEEL POST, AND GRIND WELD FLUSH WITH THE FLANGE SURFACE. WELD  $\# 8\frac{1}{2}x\frac{1}{2}$ " TO THE FRONT FLANGE FOR AESTHETIC PURPOSE. EXTEND PANEL SEAT BY WELDING  $\# 2x\frac{1}{2}$ " BETWEEN NEW PLATES.

CONTRACTOR SHALL CONTROL HEAT DURING WELDING, OR REMOVE AND RE-INSTALL METAL PANELS ON BOTH SIDES OF THE POST.

ALL STEEL PLATE MATERIALS SHALL BE ASTM A709, GRADE 36.

THE COST FOR THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 606, SPECIAL - NOISE BARRIER, STEEL POST REPAIR, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.

2. FIELD PAINT NEW STEEL PLATES AND EXISTING STEEL POST ACCORDING TO C&MS 514. THE PAINT COLOR SHALL CLOSELY MATCH THE COLOR OF EXISTING STEEL POSTS. THE COST SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 514, FIELD PAINTING, MISC.: FIELD PAINTING OF EXISTING STEEL POST, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY INCLUDING THE SURFACE PREPARATION OF EXISTING STEEL AND ALL PRIME, INTERMEDIATE AND FINISH COAT.

**ESTIMATED QUANTITIES**

CALCULATED BY: SS  
CHECKED BY: DEB

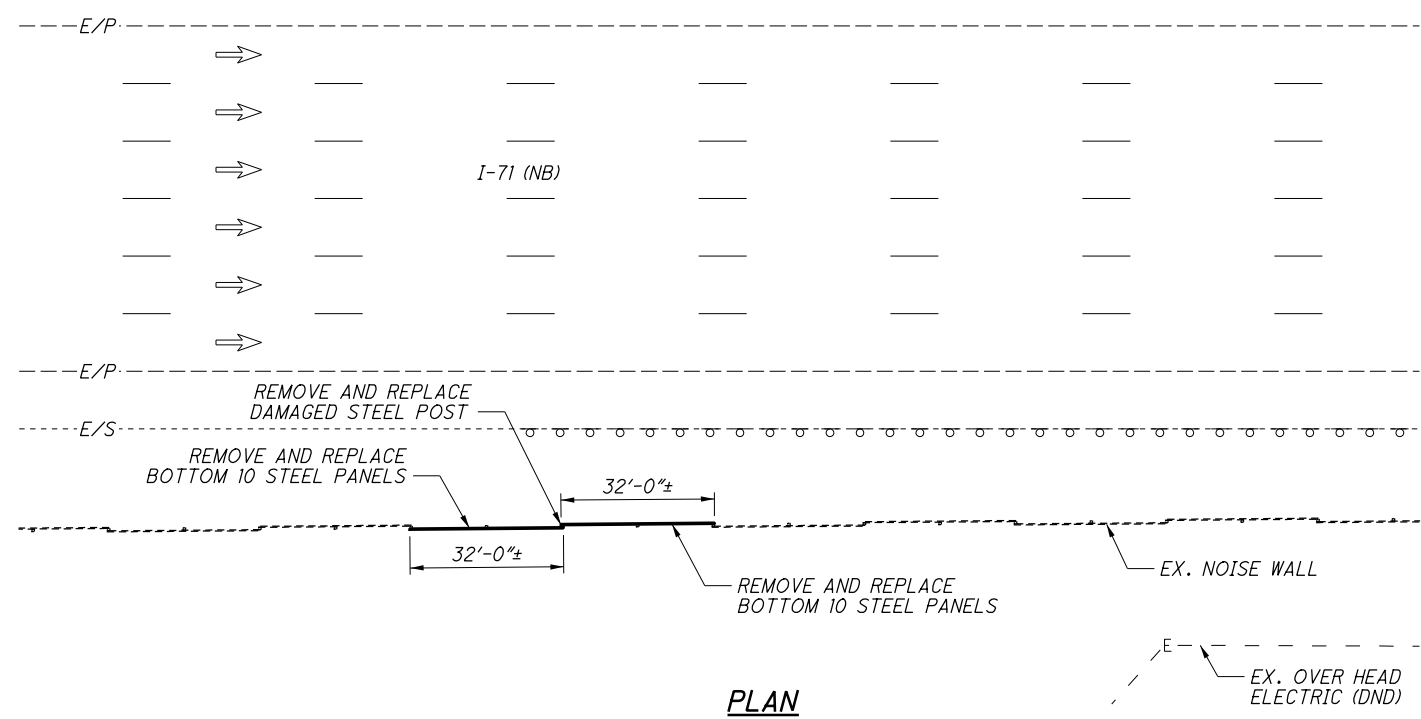
ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	SEE SHEET #
514	27800	LUMP		FIELD PAINTING, MISC.: FIELD PAINTING OF EXISTING STEEL POST	14
SPECIAL	60610810	5	EACH	NOISE BARRIER, ALUMINUM PANEL REMOVAL AND REUSE	4
SPECIAL	60610810	5	EACH	NOISE BARRIER, ALUMINUM PANEL REPLACEMENT	14
SPECIAL	60610810	1	EACH	NOISE BARRIER, STEEL POST REPAIR	14



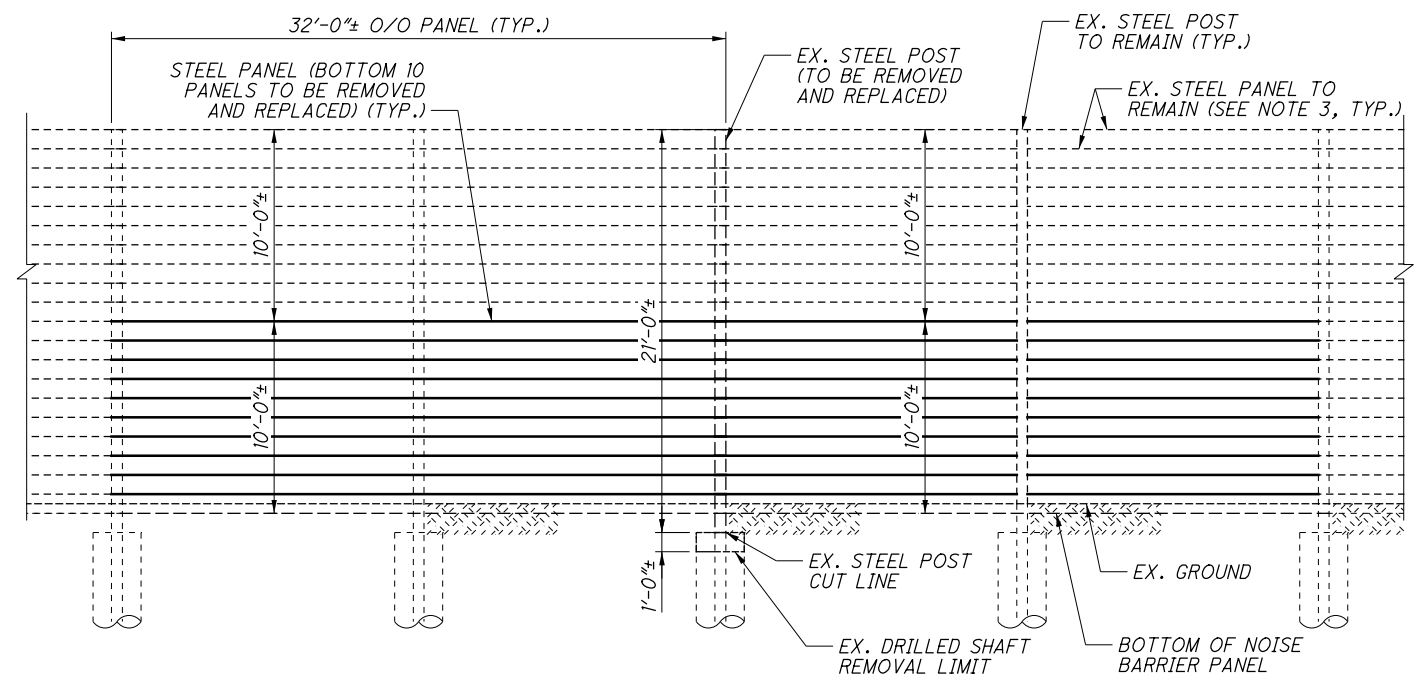
CALCULATED BY: SS  
 CHECKED BY: DEB  
**NOISE WALL REPAIR PLAN & ELEVATION**  
**LOCATION 5: DEL-US42-6.99**

**DEL / FRA / MAD P2**  
**NOISE WALL REPAIR**

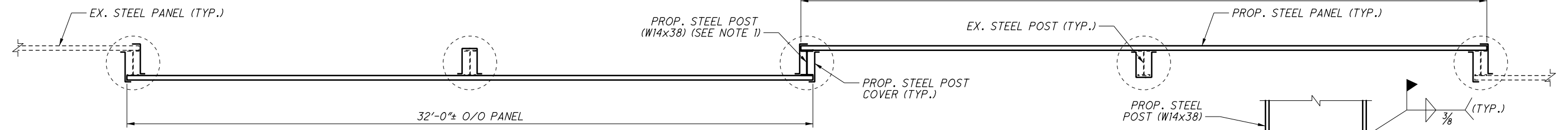
J:\16-147\_D6NoiseWalls\5.0 Design (Work) Phase\93446\_structures\Rehab\_sites\_1-8\Site 6 (FRA-IR71-29.63)\FRA-071-WE003.dgn Sheet Views 2021-06-08 12:38:12 PM Shirwan.Saeed



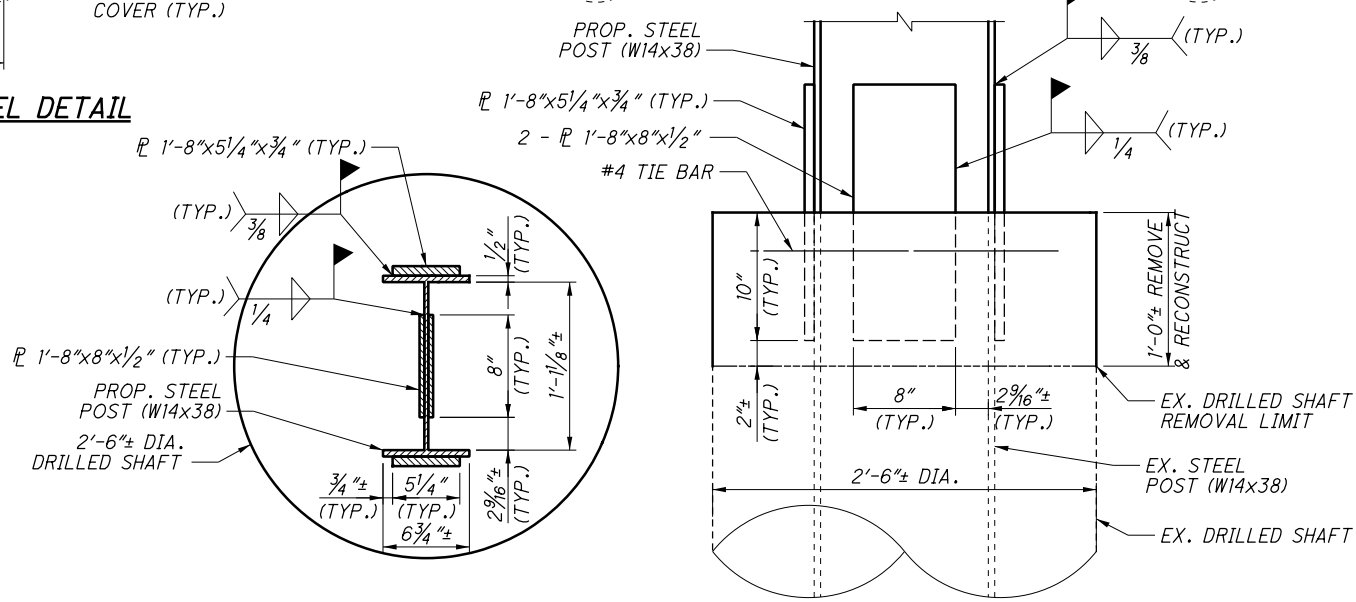
**PLAN**



**ELEVATION**



**PANEL DETAIL**



**WELDED SPLICE DETAILS (PLAN) (ELEVATION)**

**NOTES:**

1. REMOVE AND REPLACE DAMAGED STEEL POST. CONTRACTOR SHALL CONFIRM STEEL POST AND DRILLED SHAFT MEASUREMENTS.  

THE ENGINEER WILL VISUALLY INSPECT EXISTING POST FOUNDATION TO EVALUATE THE PHYSICAL CONDITION OF THE POST FOUNDATION. REMOVE 1'-0" FROM EXISTING DRILLED SHAFT, AND CUT EXISTING STEEL POST AT 1'-0" ABOVE DRILLED SHAFT REMOVAL LIMIT. WELD SPLICE NEW POST TO THE EXISTING STEEL POST AS SHOWN ON THE PLANS. REPAIR THE GALVANIZING PER C&MS 711.02, AND RECONSTRUCT THE DRILLED SHAFT TO THE EXISTING TOP ELEVATION. THESE DETAIL SHALL BE APPROVED BY THE ENGINEER PRIOR TO FABRICATING AND ORDERING THE STEEL POST.

POST COVER PLATE GAUGE, SHAPE, AND PAINT COLOR SHALL MATCH EXISTING POST COVER PLATES. THESE DETAIL SHALL BE APPROVED BY THE ENGINEER PRIOR TO FABRICATING AND ORDERING THE PANEL.

STEEL POST SHALL BE ASTM A572 GRADE 50 STEEL, HOT DIPPED GALVANIZED PER C&MS 711.02. STEEL SPLICE PLATES SHALL BE GRADE 50 STEEL, GALVANIZED PER C&MS 711.02. FABRICATE STRUCTURAL STEEL MEMBERS ACCORDING TO C&MS 513. THE MINIMUM SPECIFIED TENSILE STRENGTH OF THE WELDING ELECTRODE (WELD METAL) SHALL BE 70 KSI. REPAIR ALL DAMAGE TO THE GALVANIZING ACCORDING TO C&MS 711.02 AND ASTM A780.

THE COST FOR THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 606, SPECIAL - NOISE BARRIER, STEEL POST REMOVAL AND REPLACEMENT, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.
2. REMOVE AND REPLACE BOTTOM 10 STEEL PANELS IN 2 BAYS. CONTRACTOR SHALL CONFIRM PANEL MEASUREMENTS.  

STEEL POST COVERS AND PANEL MATERIAL, GAUGE, SHAPE, AND PAINT COLOR SHALL MATCH EXISTING PANELS.
3. DURING STEEL POST REPLACEMENT, THE CONTRACTOR SHALL BE REQUIRED TO TEMPORARILY SUPPORT PANELS TO REMAIN ABOVE THE PANELS TO BE REPLACED, OR REMOVE AND REINSTALL THE UNDAMAGED TOP PANELS. THIS WORK SHALL BE INCIDENTAL TO ITEM 606, SPECIAL - NOISE BARRIER, STEEL POST REMOVAL AND REPLACEMENT.

**ESTIMATED QUANTITIES**

CALCULATED BY: SS  
CHECKED BY: DEB

ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	SEE SHEET #
503	21300	LUMP		UNCLASSIFIED EXCAVATION	
SPECIAL	60610810	1	EACH	NOISE BARRIER, STEEL POST REMOVAL AND REPLACEMENT	15
SPECIAL	60610920	640	SF	NOISE BARRIER, STEEL PANEL REMOVAL AND REPLACEMENT	5 & 15

CALCULATED BY: SS
   
 CHECKED BY: DEB
   
**NOISE WALL REPAIR PLAN & ELEVATION**
  
**LOCATION 6: FRA-IR71-29.63**
  
**DEL / FRA / MAD P2**
  
**NOISE WALL REPAIR**