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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2004-003 I	COOK	14	2
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 62720

SCOPE OF WORK:

(NOT IN ORDER OF PREFERENCE)

1. REMOVE THE THREE UNITS (2-LOCATION 1 AND 1-LOCATION 2) OF DAMAGED NOISE WALL PANELS AND THEIR CAPS.
2. CUT AND REMOVE THE UPPER SECTION OF DAMAGED POST, DESIGNATED D-59, (W8 X 31). @ LOCATION 1
3. REMOVE 39'-0" OF THE DAMAGED BARRIER WALL. (AS SHOWN) (16'-0" - LOCATION 1 AND 23'-0" - LOCATION 2)
4. PREPARE THE CUT SECTION OF D-59 FOR SPLICING TO A NEW W8 X 31 SECTION. (LOCATION 1)
5. SPLICE A NEW W8 X 31 SECTION OVER CUT SECTION OF D-59 USING A BUTT WELD AND ASSURING COMPLETE VERTICALITY AND PLUMBNESS OF THE NEW SECTION. (LOCATION 1)
6. STRAIGHTEN POSTS, D-58, D-65 AND D-66. (1-LOCATION 1 AND 2-LOCATION 2)
7. PAINT POSTS D-58, D-59, D-65 AND D-66 IN MATCHING COLORS WITH THE EXISTING POST'S COLOR, AS REQUIRED.
8. INSTALL THREE UNITS OF THE PRECAST NOISE WALL PANELS AND THEIR CAPS. (2-LOCATION 1 AND 1-LOCATION 2)
9. RECONSTRUCT THE 39'-0" SECTION OF BARRIER WALL. (AS SHOWN) (16'-0" LOCATION 1 AND 23'-0" LOCATION 2)
10. CLEAN THE CONSTRUCTION SITE, RESTORING THE SITE TO ITS ORIGINAL CONDITION AS CLOSE AS POSSIBLE.

INDEX OF SHEETS

SHEET NUMBER	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, SCOPE OF WORK, STATE STANDARDS, AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	CURRENT SURVEY DATA
5	NOISE WALL REPAIR DETAIL (DETAILS)
6 - 13	EXISTING NOISE WALL DETAILS (FOR INFORMATION ONLY)
14	TC-17 TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES, PARTIAL RAMP CLOSURES

LIST OF STATE STANDARDS

STANDARDS	DESCRIPTION
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-03	LANE CLOSURE, MULTILANE FOR SPEED >= 45 MPH
702001-05	TRAFFIC CONTROL DEVICES

GENERAL NOTES:

1. IN EXISTING PLANS CALL OUT W200 X 46 (METRIC) SECTION IS EQUIVALENT TO W8X31 (ENGLISH).
2. PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM THE EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY AND APPROVED ADJUSTMENTS PRIOR TO THE CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
3. THE CONTRACTOR SHALL USE EXTREME CARE DURING THE NOISE WALL REPAIR SUCH THAT NO DAMAGE OCCURS ON ANY OTHER PART OF THE NOISE WALL. IF ANY DAMAGE OCCURS DURING THE REPAIR THEN THAT SHALL BE CORRECTED AT CONTRACTOR'S EXPENSE.
4. ALL THE REPLACED UNITS, SUCH AS BARRIER WALL, NOISE WALL PANELS, NOISE WALL PANEL CAPS, AND NOISE WALL POSTS, SHALL BE IDENTICAL IN DESIGN, PATTERN AND COLOR TO THE EXISTING UNITS.
5. THE DAMAGED UPPER PORTION OF THE D-59 POST IN LOC. 1 SHALL BE CUT AND REMOVED AFTER LEAVING A LOWER 12" STRAIGHT SECTION OF THE POST. CUTTING, REMOVAL AND DISPOSAL OF STEEL SECTION ARE INCLUDED IN THE COST OF FURNISHING AND ERECTING STRUCTURAL STEEL. THIS STRAIGHT SECTION SHALL BE USED FOR CLAMPING AND SHALL BE GROUND SMOOTH TO ASSURE A GOOD QUALITY BUTT WELD FOR SPLICING THE NEW W8 X 31 SECTION ON THE CUT SECTION OF THE D-59 POST. THE CUT SECTION SHALL RENDER A CUT SURFACE THAT SHALL ENSURE VERTICAL SPLICING OF THE NEW SECTION AND ASSURE THE FULL PLUMBNESS OF THE NEWLY SPLICED SECTION FOR THE INSTALLATION OF THE NEW PRECAST PANELS. PREPARING AND WELDING IS INCLUDED IN THE COST OF FURNISHING AND ERECTING STRUCTURAL STEEL.
6. THE SPLICING OF THE D-59 POST @ LOCATION 1 SHALL CONFORM TO THE RELEVANT REQUIREMENTS OF SECTION 512 OF THE STANDARD SPECIFICATIONS. OTHER TYPES OF SPLICING MAY BE ALLOWED SUBJECT TO THE APPROVAL OF THE ENGINEER. ANY PROPOSAL BY THE CONTRACTOR TO USE AN ALTERNATE SPLICE METHOD MUST INCLUDE ADEQUATE DOCUMENTATION DEMONSTRATING THAT FULL TENSION, SHEAR AND BENDING CAPACITIES WILL BE MET AND IT WILL NOT INTERFERE WITH THE PANEL'S ERECTION. APPROPRIATE WELDER QUALIFICATIONS WILL BE REQUIRED FOR POSITIONS AND PROCESSES USED IN WELD SPLICING THE POST. NONDESTRUCTIVE TESTING OF COMPLETED WELDS WILL BE LIMITED TO VISUAL INSPECTION.
7. THE CONTRACTOR SHALL WORK IN A FASHION SUCH AS TO CAUSE MINIMAL INCONVENIENCE AND DELAYS TO THE MOTORING PATRONS.
8. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, WATER, CABLE, GAS AND OTHER UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
9. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
10. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
11. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTION IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
12. ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OUTSIDE THE AREA OF CONCRETE REMOVAL SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
13. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4151 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
14. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
15. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

LEGEND:

LOC. = LOCATION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSTATE 290
NOISE WALL REPAIR
INDEX OF SHEETS, GENERAL NOTES
& STATE STANDARDS

SCALE: VERT. _____
 HORIZ. _____
 DATE: MAY, 2005.

DRAWN BY: SB/MVT
 CHECKED BY: RSS