

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

D07-BH-FY2013

AUGLAIZE COUNTY
CLARK COUNTY
LOGAN COUNTY
MIAMI COUNTY
MONTGOMERY COUNTY
SHELBY COUNTY

FOR LOCATION MAPS, LATITUDE AND LONGITUDE
SEE SHEET 2-3.

PROJECT DESCRIPTION

THIS PROJECT SHALL CONSIST OF REPAIRING AND/OR REPLACING EXISTING STRUCTURAL STEEL (END FRAMES, CROSS FRAMES AND BEAMS), REFURBISHING OR RESETTING BRIDGE BEARINGS AND SPOT PAINTING OF STRUCTURE STEEL BEAMS ON THE FOLLOWING STRUCTURES: AUG-33-1310L, AUG-75-0498L&R, AUG-75-0754L&R, CLA-70-0173, CLA-70-0310, CLA-70-0312, CLA-70-1101L&R, CLA-70-1208L&R, CLA-70-1079L&R, LOG-33-0696, MIA-48-1548, MIA-75-0043R, MIA-75-1569, MOT-75-0712, SHE-75-0614L AND SHE-75-1883L&R.

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

2010 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS 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.

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DESIGN DESIGNATION

(NONE REQUIRED)

DESIGN EXCEPTIONS

(NONE REQUIRED)

ENGINEERS SEAL:



SIGNED: *Paul Robert Hartner*
DATE: 9-28-12

ENGINEERS SEAL:

SIGNED: _____
DATE: _____

UNDERGROUND UTILITIES
CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG

CALL
1-800-362-2764
(TOLL FREE)

OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

OIL & GAS PRODUCERS PROTECTIVE
SERVICE CALL: 1-800-925-0988

PLAN PREPARED BY:
OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT NO. 7
PRODUCTION DEPARTMENT

STANDARD CONSTRUCTION DRAWINGS

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS
				800 10/19/12
		MT-95.30	7/20/12	
		MT-97.10	7/20/12	
		GSD-1-96	7/19/02	

SUPPLEMENTAL SPECIFICATIONS

SPECIAL PROVISIONS

APPROVED: *Landy Chevaley, P.E., P.S./paw*
DATE: 9-28-12 DISTRICT DEPUTY DIRECTOR

APPROVED: _____
DATE: _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO. E100 (848)

FD NO. 85247

CONSTRUCTION PROJECT NO.

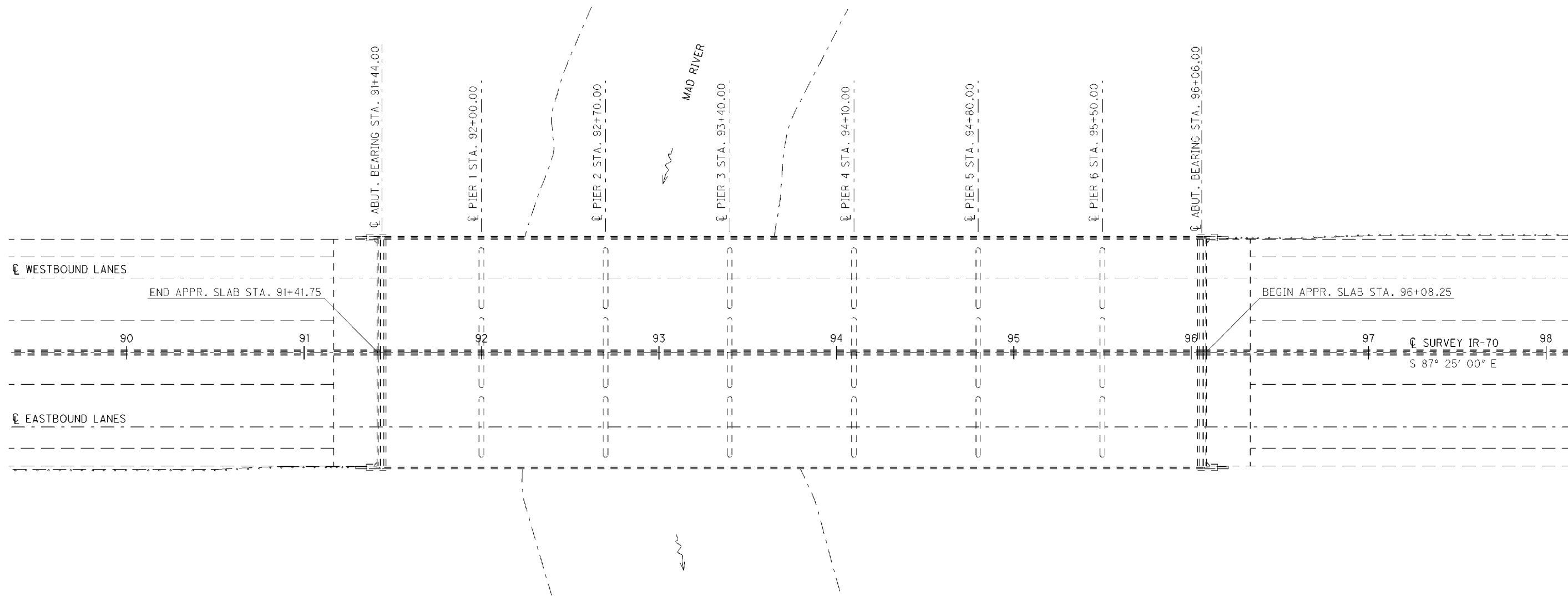
RAILROAD INVOLVEMENT NONE

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CLA-70-0173 - EXISTING STRUCTURE

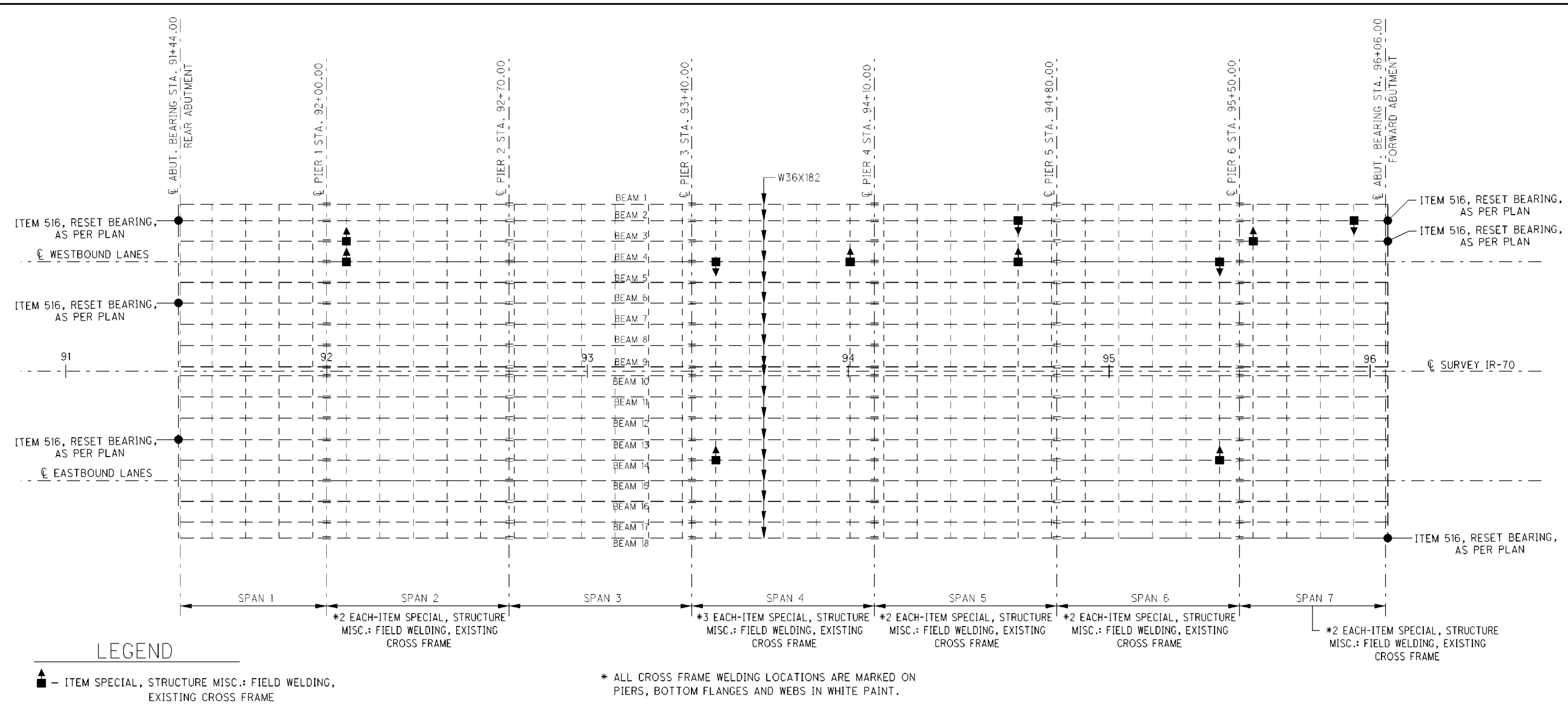
TYPE: CONTINUOUS STEEL BEAM (A36) WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE
 SPANS: 56'-0", 5 @ 70'-0", 56'-0" C/C BEARINGS
 ROADWAY: 2 @ 62'-5" TOE TO TOE BARRIER
 LOADING: HS20-44 CASE 1 AND THE ALTERNATE MILITARY LOADING
 SKEW: NONE
 APPROACH SLABS: AS-1-81 (25' LONG)
 ALIGNMENT: TANGENT
 WEARING SURFACE: MONOLITHIC CONCRETE
 STRUCTURAL FILE NUMBER: 1203630
 DATE BUILT: 1955 WIDENED: 1991

CLA-70-0173 - PROPOSED WORK

1. RESET BEARINGS: 3 BEARINGS LOOSE ON FORWARD ABUTMENT AND 3 BEARINGS LOOSE ON REAR ABUTMENT.
2. REWELD SPLICED END AND CROSS FRAMES WITH BROKEN OR CRACKED WELDS:
 - END FRAMES - 5 LOCATIONS FORWARD ABUTMENT (W/BROKEN OR LOOSE WELDS)
 - CROSS FRAMES - 11 LOCATIONS (2 ON SPAN 2, 3 ON SPAN 4, 2 ON SPAN 5, 2 ON SPAN 6 AND 2 ON SPAN 7 MARKED ON PIERS, BOTTOM FLANGES & WEBS).

DESIGNED JBS CHECKED	DRAWN JBS REVISED	REVIEWED	DATE	DESIGN AGENCY OHIO DEPARTMENT OF TRANSPORTATION, DISTRICT 7
		STRUCTURE FILE NUMBER 1203630		
SITE PLAN CLA-70-0173 IR-70 OVER MAD RIVER				
D07-BH-FY2013 PID No. 85247				
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EXISTING FRAMING PLAN - CLA-70-0173

CALCULATIONS FOR FORWARD ABUTMENT REPAIRS (INFORMATION ONLY):

ITEM 514, FIELD PAINTING DAMAGE STRUCTURAL STEEL, AS PER PLAN
 PROP. WELD LOCATIONS 5 LOCATIONS x 2 SQ. FT. (EACH) = 10 SQ. FT.

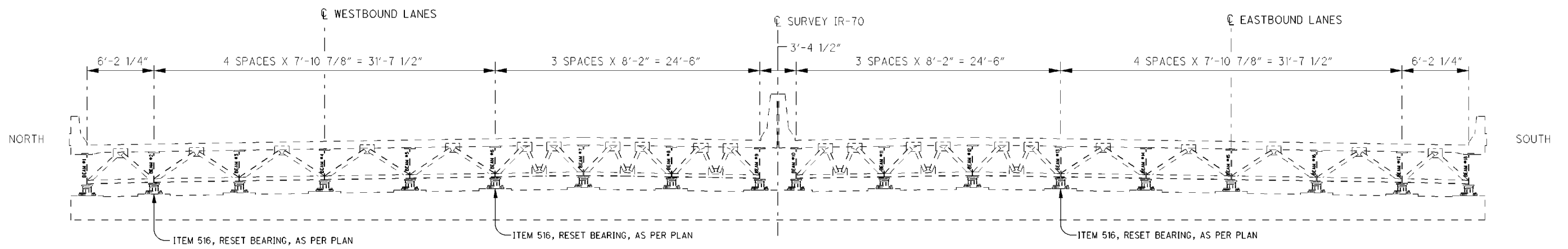
CALCULATIONS FOR SUPERSTRUCTURE REPAIRS (INFORMATION ONLY):

ITEM 514, FIELD PAINTING DAMAGE STRUCTURAL STEEL, AS PER PLAN
 PROP. WELD LOCATIONS 11 LOCATIONS x 2 SQ. FT. (EACH) = 22 SQ. FT.

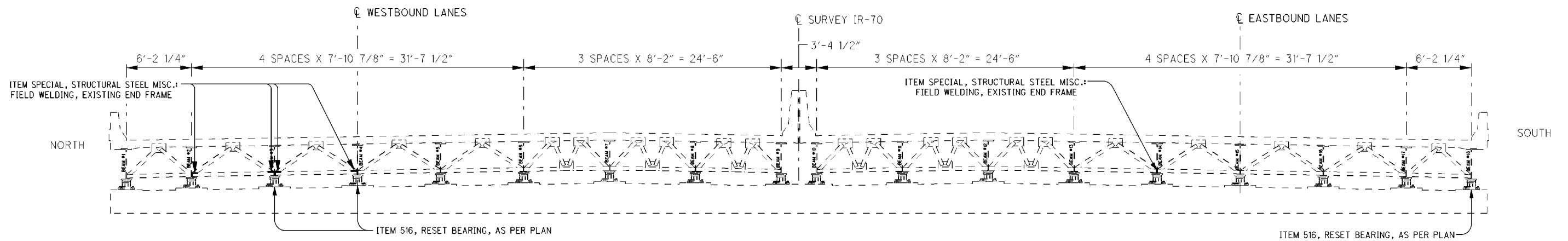
BRIDGE SUMMARY - CLA-70-0173												
PARTICIPATION				ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	REAR ABUTMENT	FORWARD ABUTMENT	CROSS FRAMES	SEE SHEET
BRG	IMS	NHS	STR									
	5			SPECIAL	51395030	5	EACH	STRUCTURAL STEEL MISC.: FIELD WELDING, EXISTING END FRAME		5		4
	11			SPECIAL	51395030	11	EACH	STRUCTURAL STEEL MISC.: FIELD WELDING, EXISTING CROSS FRAME			11	5
	32			514	20001	32	SQ. FT.	FIELD PAINTING DAMAGE STRUCTURAL STEEL, AS PER PLAN		10	22	5
	6			516	46701	6	EACH	RESET BEARING, AS PER PLAN	3	3		4
	LUMP			516	47001	LUMP		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN				4
	LUMP			SPECIAL	53000200	LUMP		STRUCTURE MISC.: GENERAL SUBSTRUCTURE MAINTENANCE				4

DESIGN AGENCY: OHIO DEPARTMENT OF TRANSPORTATION, DISTRICT 7
 DATE: _____
 REVIEWED: _____
 DRAWN: JBS
 DESIGNED: JBS
 CHECKED: _____
 STRUCTURE FILE NUMBER: 1203630
 SUPERSTRUCTURE DETAILS AND ESTIMATED QUANTITIES
 CLA-70-0173
 IR-70 OVER MAD RIVER
 D07-BH-FY2013
 PID No. 85247
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END FRAME REPAIR DETAIL - CLA-70-0173 (REAR ABUTMENT)



END FRAME REPAIR DETAIL - CLA-70-0173 (FORWARD ABUTMENT)

DESIGN AGENCY
OHIO DEPARTMENT OF
TRANSPORTATION, DISTRICT 7

DESIGNED	JBS	CHECKED
DRAWN	JBS	REVISED
REVIEWED	DATE	STRUCTURE FILE NUMBER
		1203630

END FRAME REPAIR DETAIL
CLA-70-0173
IR-70 OVER MAD RIVER

D07-BH-FY2013
PID No. 85247