

FOR INDEX OF SHEETS, SEE SHEET NO. 2

INTERSTATE 55 :

FUNCTIONAL CLASSIFICATION: INTERSTATE

2012 ADT = 53,800

DESIGN SPEED : 70 M.P.H.

POSTED SPEED : 65 M.P.H.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PROPOSED
 HIGHWAY PLANS**

F.A.I. ROUTE I-55 OVER DES PLAINES RIVER
 SECTION: 87B, D-BR-1

BRIDGE REPAIR, BRIDGE DECK OVERLAY & BRIDGE JOINT REPAIR
 COUNTY: WILL
 C-91-195-12

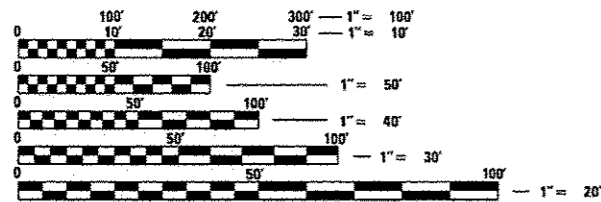
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106*	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 60R62	

D-91-195-12

* INCLUDES SHEETS 82A, 87A & 87B
 (TOTAL SHT COUNT 106 + 3 = 109)



THIS PROJECT IS LOCATED IN THE VILLAGE OF CHANNAHON

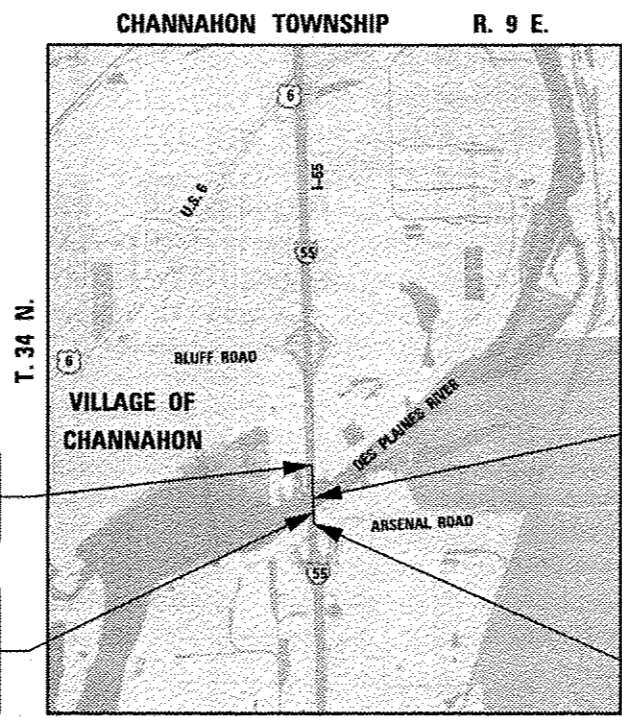


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS
 1-800-892-0123
 OR 811

DISTRICT ONE - DESIGN
 PROJECT MANAGER : ISSAM RAYYAN (847) 705-4178
 PROJECT ENGINEER : ROBERT BORO (847) 705-4237

CONTRACT NO. 60R62



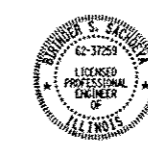
PROJECT ENDS
 STA. 1260 + 42

STATION EQUATION
 STA. 1275 + 88.93 AHEAD =
 STA. 1123 + 33.64 BACK

F.A.I. ROUTE 55
 BRIDGE
 SN 099-0008 (SB)
 SN 099-0009 (NB)

PROJECT BEGINS
 STA. 1121 + 95

GROSS LENGTH OF PROJECT = 1,685.57 FEET = 0.319 MILES
 NET LENGTH OF PROJECT = 1,685.57 FEET = 0.319 MILES



Birinder S. Sachdeva 1-17-13
 BIRINDER S. SACHDEVA, P.E.
 EXPIRES: 11-30-2013

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED January 29, 2013
John Furman
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 22, 2013
John D. Baranzelli, P.E.
 acting ENGINEER OF DESIGN AND ENVIRONMENT

March 22, 2013
Omer Osman, P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS - PLANNERS - SURVEYORS
 211 W. WACKER DRIVE CHICAGO, IL 60606
 TELEPHONE: 312-372-2023

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105	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
106	SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENING

(TOTAL SHEET COUNT 106 + 3 = 109)

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
420001-07	PAVEMENT JOINTS
442201-03	CLASS C AND D PATCHES
602011-02	CATCH BASIN, TYPE C
604001-03	FRAME AND LIDS, TYPE I
610001-06	SHOULDER INLET WITH CURB
630001-10	STEEL PLATE BEAM GUARDRAIL
630201-06	PCC/HMA SHOULDER STABILIZATION AT STEEL PLATE BEAM GUARD RAIL
630301-06	SHOULDER WIDENING FOR TYPE I (SPECIAL) GUARDRAIL TERMINALS
631031-11	TRAFFIC BARRIER TERMINAL, TYPE 6
631051-03	TRAFFIC BARRIER TERMINAL, TYPE II
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
638001-02	GLARE SCREEN BLADES
642001-02	SHOULDER RUMBLE STRIPS, 16 in.
643001-01	SAND MODULE IMPACT ATTENUATORS
701400-06	APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
701401-07	LANE CLOSURE, FREEWAY / EXPRESSWAY
701406-07	LANE CLOSURE, FREEWAY / EXPRESSWAY, DAY OPERATIONS ONLY
701411-08	LANE CLOSURE, MULTILANE AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701416-07	LANE CLOSURE, FREEWAY / EXPRESSWAY WITH CROSS OVER AND BARRIER
701901-02	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
780001-03	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

1. FORTY-EIGHT HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR WILL CALL J.U.L.I.E. (1-800-892-0123) OR 811 TO HAVE THE LOCATION OF EXISTING UTILITIES STAKED. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR CONTACTING IDOT TO LOCATE AN EXISTING FIBER OPTICS CABLE IN THE MEDIAN THAT RUNS THE ENTIRE LENGTH OF THIS PROJECT. ANY DAMAGE TO THE FIBER OPTICS CABLE BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE
2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, AS REQUIRED, PRIOR TO COMMENCING WITH CONSTRUCTION.
3. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
4. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED UPON THE UNIT PRICE.
5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
6. SAW CUTTING PRIOR TO ANY REMOVAL ITEMS NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEMS BEING REMOVED.
7. THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
8. THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
9. THE RESIDENT ENGINEER SHALL CONTACT CORA MATHIS, THE AREA TRAFFIC FIELD ENGINEER, AT (847) 715-4153 TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
10. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC.
11. FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED UNLESS NOTED ON THE PLAN.
12. ALL PROPOSED RAISED REFLECTIVE PAVEMENT MARKERS (BRIDGE) SHALL BE LOW PROFILE.
13. THE DEPARTMENT HAS DETERMINED THAT IN STREAM WORK IS NOT REQUIRED FOR THE WORK SPECIFIED IN THIS CONTRACT. THE DEPARTMENT HAS NOT OBTAINED A USACE PERMIT. IF THE CONTRACTOR CHOOSE TO USE ACTIVITIES REQUIRING AN USACE PERMIT IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER USACE PERMITS. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO SECURE AND COMPLY WITH A USACE PERMIT FOR CONTRACTOR'S ACTIVITIES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
14. THE CONTRACTOR SHALL OBTAIN COAST GUARD APPROVAL TO OCCUPY NAVIGABLE WATERS, IF REQUIRED, FOR THE PROPOSED WORK. A WORK PLAN SHALL BE PREPARED BY THE CONTRACTOR, REVIEWED AND APPROVED BY THE ENGINEER AND BE SUBMITTED BY THE ENGINEER TO THE COAST GUARD AT THE ADDRESS LISTED BELOW FOR APPROVAL.

BRIDGE ADMINISTRATOR
US COAST GUARD
NINTH COAST GUARD DISTRICT
1240 E. NINTH ST.
CLEVELAND, OH 44199-2060
15. THE CONTRACTOR WILL NEED TO PROVIDE ACCESS TO BRIDGE INSPECTORS IN AUGUST 2013 FOR THE NBIS INSPECTION OF BOTH BRIDGES.

FILE NAME: D:\0662\shc-index.dgn
 USER NAME: IDOT
 PLOT SCALE: 100.0000 / IN.
 PLOT DATE: 1/18/2013



CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - S.J.P.	REVISIONS -
DRAWN - B.K.	REVISIONS -
CHECKED - M.P.	REVISIONS -
DATE - JANUARY 17, 2013	REVISIONS -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
 1-55

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	2
CONTRACT NO. 60R62				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

94

SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
CODE NO	ITEM	UNIT	TOTAL QUANTITY	0014	
				100% STATE	
20200100	EARTH EXCAVATION	CU YD	442	442	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	1,982	1,982	
25000210	SEEDING, CLASS 2A	ACRE	0.1	0.1	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9	9	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	9	9	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9	9	
25100630	EROSION CONTROL BLANKET	SO YD	1,982	1,982	
30300112	AGGREGATE SUBGRADE IMPROVEMENT, 12"	SO YD	368	368	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	1	1	
40600300	AGGREGATE (PRIME COAT)	TON	14	14	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1,112	1,112	
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	157	157	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	183	183	
40603590	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N70	TON	612	612	

SPECIALTY ITEM *

FILE NAME: 0160602-shl-500.dgn
 USER NAME: JDDT
 PLOT SCALE: 108.0000' / IN.
 PLOT DATE: 1/16/2013



CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - S.J.P.
 DRAWN - A.C.S.
 CHECKED - M.P.
 DATE - JANUARY 17, 2013

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 I-55

SCALE: NONE SHEET NO. 1 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	3
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R62	

SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
CODE NO	ITEM	UNIT	TOTAL QUANTITY	URBAN	
				0014	100% STATE
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	492	492	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	2,180	2,180	
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SO YD	3,219	3,219	
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	688	688	
44004250	PAVED SHOULDER REMOVAL	SO YD	688	688	
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SO YD	5	5	
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SO YD	290	290	
48203045	HOT-MIX ASPHALT SHOULDERS, 12"	SO YD	1,033	1,033	
50102400	CONCRETE REMOVAL	CU YD	76.9	76.9	
50300100	FLOOR DRAINS	EACH	112	112	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	79.0	79.0	
50300260	BRIDGE DECK GROOVING	SO YD	3292	3292	
50606701	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 1	L SUM	1	1	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	12,660	12,660	

SPECIALTY ITEM *

Rev.

FILE NAME: D:\6062-shr-500.dgn
 USER NAME: JDD1
 PLOT SCALE: 100.0000 / IN.
 PLOT DATE: 1/18/2013



CHRISTIAN-ROCHE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60605
 PHONE: (312)372-2023 FAX: (312)372-6274

DESIGNED - S.J.P.
 DRAWN - A.C.S.
 CHECKED - M.P.
 DATE - JANUARY 17, 2013

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 I-55

SCALE: NONE SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R62	

SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
CODE NO	ITEM	UNIT	TOTAL QUANTITY	0014 100% STATE	
52000110	PREFORMED JOINT STRIP SEAL	FOOT	144	144	
60100945	PIPE DRAINS, 12"	FOOT	168	168	
60207005	CATCH BASINS, TYPE C, TYPE 1 FRAME, CLOSED LID	EACH	2	2	
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1	
61000335	TYPE G INLET BOX, STANDARD 610001	EACH	8	8	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	375	375	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2	
63200310	GUARDRAIL REMOVAL	FOOT	508	508	
63801200	MODULAR GLARE SCREEN SYSTEM	FOOT	8,344	8,344	
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	15,626	15,626	
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	4	
66201120	CONCRETE SHOULDER CURB	FOOT	120	120	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	

SPECIALTY ITEM *

FILE NAME: *D168862-sh1-500.dgn
 USER NAME: *1001
 PLOT SCALE: 100.0000 1/ IN.
 PLOT DATE: *1/18/2013



CHRISTIAN-ROCHE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - S.J.P.
 DRAWN - A.C.S.
 CHECKED - M.P.
 DATE - JANUARY 17, 2013

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 I-55

SCALE: NONE SHEET NO. 3 OF 7 SHEETS STA. TO STA.

F.A.I. RTE. 55	SECTION 87B, D-BR-1	COUNTY WILL	TOTAL SHEETS 106	SHEET NO. 5
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
CODE NO	ITEM	UNIT	TOTAL QUANTITY	0014	
				100% STATE	
67100100	MOBILIZATION	L SUM	1	1	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	21	21	
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	17,279	17,279	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	5,987	5,987	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	5,820	5,820	
70500665	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2	
70500690	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 11	EACH	2	2	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	19,250	19,250	
* 78003120	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 5"	FOOT	2,282	2,282	
* 78004220	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	FOOT	461	461	
* 78008210	POLYUREA PAVEMENT MARKING, TYPE I - LINE 4"	FOOT	1,942	1,942	
* 78008220	POLYUREA PAVEMENT MARKING, TYPE I - LINE 5"	FOOT	243	243	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	16	16	

SPECIALTY ITEM *

FILE NAME: D:\6862\shc\500.dgn
 USER NAME: J00T
 PLOT SCALE: 1/8" = 100.0000' / IN.
 PLOT DATE: 1/18/2013

CR & A
 CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WALKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-8274

DESIGNED - S.J.P.	REVISED -
DRAWN - A.C.S.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 I-55

SCALE: NONE SHEET NO. 4 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	6
CONTRACT NO. 60R62			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
CODE NO	ITEM	UNIT	TOTAL QUANTITY	0014	
				100% STATE	
* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	72	72	
* 78100300	REPLACEMENT REFLECTOR	EACH	217	217	
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	9	9	
* 78200420	GUARDRAIL MARKERS, TYPE B	EACH	127	127	
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	297	297	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	6,672	6,672	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	90	90	
X0321750	REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED	FOOT	600	600	
X0325444	TEMPORARY CONCRETE BARRIER (INSTALL ONLY)	FOOT	600	600	
X5537800	STORM SEWERS TO BE CLEANED, 12"	FOOT	250	250	
X5810100	WATERPROOFING MEMBRANE SYSTEM (SPECIAL)	SQ YD	7,296	7,296	
X6050310	FILLING INLETS, SPECIAL	EACH	4	4	
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1	

SPECIALTY ITEM *

FILE NAME *016062-sht-500.dgn
 USER NAME *IDGT
 PLOT SCALE=100,0000 * 7 IN.
 PLOT DATE *1/16/2013



CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - S.J.P.
 DRAWN - A.C.S.
 CHECKED - M.P.
 DATE - JANUARY 17, 2013

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 I-55

SCALE: NONE SHEET NO. 5 OF 7 SHEETS STA. TO STA.

F.A.I. RTE. 55	SECTION 87B, D-BR-1	COUNTY WILL	TOTAL SHEETS 106	SHEET NO. 7
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R62	

SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
CODE NO	ITEM	UNIT	TOTAL QUANTITY	0014 100% STATE	
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	100	100	
X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	52,361	52,361	
Z0001495	BRIDGE APPROACH SHOULDER REMOVAL	SO YD	64	64	
Z0001905	STRUCTURAL STEEL REPAIR	POUND	8830	8830	
Z0004556	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SO YD	7,296	7,296	
Z0006014	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2 INCHES	SO YD	3,508	3,508	
* Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1	
Z0012102	CONCRETE BRIDGE DECK SCARIFICATION (3/8 INCH)	SO YD	3,508	3,508	
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SO FT	2,427	2,427	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0015802	PLUG EXISTING DECK DRAINS	EACH	80	80	
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SO YD	30	30	
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SO YD	40	40	
Z0016200	DECK SLAB REPAIR (PARTIAL)	SO YD	832	832	

SPECIALTY ITEM *

FILE NAME: *D16062-sh1-500.dgn
 USER NAME: *J001
 PLOT SCALE: 100.0000 "/>



CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - S.J.P.
 DRAWN - A.C.S.
 CHECKED - M.P.
 DATE - JANUARY 17, 2013

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 I-55

SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R62	

Rev.

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
CODE NO	ITEM	UNIT	TOTAL QUANTITY	0014 100% STATE	
			<i>URBAN</i>		
Z0021914	SILICONE JOINT SEALER, 2.75"	FOOT	648	648	
* Z0029652	HIGH TENSION CABLE MEDIAN BARRIER	FOOT	800	800	
* Z0029654	HIGH TENSION CABLE MEDIAN BARRIER TERMINALS	EACH	4	4	
✓ 70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	3	3	
✓ 70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1	
Z0030850	TEMPORARY INFORMATION SIGNING	50 FT	52	52	
Z0034390	MODULAR EXPANSION JOINT, 6"	FOOT	108	108	
X6431120	REMOVE IMPACT ATTENUATOR SAND MODULE	EACH	6	6	
	REMOVE AND RESET ALUMINUM PARAPET	FOOT	3,684	3,684	
X0326534	REMOVE AND REINSTALL EXISTING ALUMINUM PARAPET	FOOT	3684	3684	
	RESET EXISTING STEEL POST	EACH	60	60	
⊙ Z0070604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	1500	1500	
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	3508	3508	
X6300231	STEEL POST ATTACHED TO STRUCTURE	EACH	200	200	

SPECIALTY ITEM *
⊙ 0042

FILE NAME: D168R62-shr-500.dgn
 USER NAME: J00T
 PLOT SCALE: 108.0000' / IN.
 PLOT DATE: 1/18/2013



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
I-55**

SCALE: NONE SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	9
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R62	

Rev.

AGGREGATE SUBGRADE IMPROVEMENT, 12" SCHEDULE		
LOCATION		SQ YD
STA. 1118+00 TO STA. 1123+40	S. B. INSIDE SHOULDER	120
STA. 1118+00 TO STA. 1123+40	N. B. INSIDE SHOULDER	120
STA. 1259+13 TO STA. 1262+02	S. B. INSIDE SHOULDER	64
STA. 1259+13 TO STA. 1262+02	N. B. INSIDE SHOULDER	64
TOTAL		368

EARTH EXCAVATION SCHEDULE		
LOCATION		EARTH EXCAVATION CU YD
STA. 1118+00 TO STA. 1123+40	S. B. INSIDE SHOULDER	120
STA. 1118+00 TO STA. 1123+40	N. B. INSIDE SHOULDER	120
STA. 1259+13 TO STA. 1262+02	S. B. INSIDE SHOULDER	64
STA. 1259+13 TO STA. 1262+02	N. B. INSIDE SHOULDER	64
STA. 1120+60 TO STA. 1123+40	N. B. INSIDE SHOULDER	31
STA. 1258+00 TO STA. 1261+85	S. B. INSIDE SHOULDER	43
TOTAL		442

FILLING INLETS, SPECIAL SCHEDULE		
LOCATION	FILLING INLETS, SPECIAL	
	EACH	
STA. 1261+93, S. B. OUTSIDE SHLD	1	
STA. 1261+93, S. B. INSIDE SHLD	1	
STA. 1123+07, S. B. OUTSIDE SHLD	1	
STA. 1123+07, S. B. INSIDE SHLD	1	
TOTAL		4

REPLACEMENT REFLECTORS		
LOCATION	REPLACEMENT REFLECTORS	
	EACH	
NORTHBOUND		
STA. 1070+00 TO STA. 1105+00	90	
SOUTHBOUND		
STA. 1212+00 TO STA. 1262+00	127	
TOTAL		217

HOT-MIX ASPHALT PAVING SCHEDULE						
LOCATION	POLY HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	POLY HOT-MIX ASPHALT SURFACE CRS, MIX "F", N90	HOT-MIX ASPHALT SHOULDERS, 6"	HOT-MIX ASPHALT SHOULDERS, 12"	
	TON	TON	TON	SQ YD	SQ YD	
STA. 1123+00, S. B.	37	64	41			
STA. 1123+00, N. B.	38	28	42			
STA. 1261+50, S. B.	41	62	46			
STA. 1261+50, N. B.	41	29	46			
NORTH MEDIAN CROSSOVER			315			
STA. 1120+28 TO STA. 1275+67, RT(NB)				134		
STA. 1262+02 TO STA. 1258+78, RT(SB)				156		
STA. 1118+00 TO STA. 1123+00, LT(SB)					334	
STA. 1118+00 TO STA. 1123+40, LT(NB)					360	
STA. 1261+87 TO STA. 1259+13, RT(SB)					184	
STA. 1261+46 TO STA. 1259+14, LT(NB)					155	
TOTAL		157	183	490	290	1,033

HOT-MIX ASPHALT REMOVAL SCHEDULE				
LOCATION		HMA SURFACE REM, 1 1/2"	HMA SURFACE REM, 1 3/4"	HMA SURFACE REM, 2 1/4"
		SQ YD	SQ YD	SQ YD
STA. 1095+75 TO STA. 1123+33	S. B.	766		
STA. 1261+85 TO STA. 1250+00	S. B.	329		
STA. 1097+00 TO STA. 1123+60	N. B.	739		
STA. 1261+45 TO STA. 1249+00	N. B.	346		
NORTH MEDIAN CROSSOVER			3,219	
STA. 1122+83 TO STA. 1123+33	S. B.			166
STA. 1123+05 TO STA. 1123+55	N. B.			168
STA. 1262+12 TO STA. 1262+62	S. B.			177
STA. 1261+61 TO STA. 1261+11	N. B.			177
TOTAL		2,180	3,219	688

HIGH TENSION CABLE SCHEDULE		
LOCATION	HIGH TENSION CABLE MEDIAN BARRIER TERMINALS	HIGH TENSION CABLE MEDIAN BARRIER
	EACH	FOOT
STA. 1118+00	1	
STA. 1118+00 TO STA. 1121+25		325
STA. 1121+25	1	
STA. 1261+75	1	
STA. 1261+75 TO STA. 1257+00		475
STA. 1257+00	1	
TOTAL		800

HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT		
LOCATION		HOT-MIX ASPHALT SURFACE REM, BUTT JT
		SQ YD
STA. 1122+13 TO STA. 1122+83	S. B.	253
STA. 1122+35 TO STA. 1123+05	N. B.	261
STA. 1261+42 TO STA. 1262+12	S. B.	299
STA. 1260+41 TO STA. 1261+11	N. B.	299
TOTAL		1,112

FILE NAME = D160R62-sht-schedule1.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
 I-55

SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	10
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

GUARDRAIL MARKERS, TYPE B	
LOCATION	GUARDRAIL MARKERS, TYPE B
	EACH
STAGE I	
STA. 1118+50 TO STA. 1123+14	19
STA. 1250+00 TO STA. 1262+02	48
STAGE II	
STA. 1119+00 TO STA. 1123+55	18
STA. 1251+00 TO STA. 1261+62	42
TOTAL	127

POLYUREA PAVEMENT MARKING SCHEDULE				
LOCATION			POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 4"	POLYUREA PAVEMENT MARKING, TYPE 1 - LINE 5"
			FOOT	FOOT
STA. 1274+79 TO STA. 1275+68	WHITE	N. B.	89	
STA. 1261+61 TO STA. 1265+58	WHITE	N. B.	397	
STA. 1274+79 TO STA. 1275+68	WHITE	N. B.	89	
STA. 1261+61 TO STA. 1265+58	WHITE	N. B.	397	
STA. 1275+20 TO STA. 1276+08	YELLOW	S. B.	88	
STA. 1262+02 TO STA. 1265+99	YELLOW	S. B.	397	
STA. 1275+20 TO STA. 1276+08	YELLOW	S. B.	88	
STA. 1262+02 TO STA. 1265+99	YELLOW	S. B.	397	
STA. 1274+79 TO STA. 1275+68	WHITE	N. B.		22
STA. 1261+61 TO STA. 1265+58	WHITE	N. B.		99
STA. 1275+20 TO STA. 1276+08	WHITE	S. B.		22
STA. 1262+02 TO STA. 1265+99	WHITE	S. B.		100
TOTAL			1,942	243

PERFORMED PLASTIC PAVEMENT MARKING SCHEDULE				
LOCATION			PERFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	PERFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 5"
			FOOT	FOOT
STA. 1265+58 TO STA. 1274+79	WHITE	N. B.	230	
STA. 1265+99 TO STA. 1275+20	WHITE	S. B.	230	
STA. 1067+00 TO STA. 1105+00	WHITE	N. B.		950
STA. 1121+95 TO STA. 1123+55	WHITE	N. B.		40
STA. 1260+60 TO STA. 1261+61	WHITE	N. B.		25
STA. 1122+35 TO STA. 1123+00	WHITE	S. B.		16
STA. 1212+00 TO STA. 1262+02	WHITE	S. B.		1,251
TOTAL			460	2,282

TEMPORARY CONCRETE BARRIER SCHEDULE			
LOCATION	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	MODULAR GLARE SCREEN SYSTEM
	FOOT	FOOT	FOOT
STAGE I			
STA. 1097+75 TO STA. 1123+33	2,558		
STA. 1252+50 TO STA. 1275+89	2,339		
STA. 1121+95 TO STA. 1123+55	1,090		
STA. 1102+00 TO STA. 1123+33			2,133
STA. 1256+00 TO STA. 1275+89			1,989
STAGE II			
STA. 1097+73 TO STA. 1123+33		2,760	
STA. 1250+99 TO STA. 1275+89		2,490	
STA. 1255+50 TO STA. 1261+20		570	
STA. 1102+00 TO STA. 1123+33			2,133
STA. 1255+00 TO STA. 1275+89			2,089
TOTAL	5,987	5,820	8,344

THERMOPLASTIC PAVEMENT MARKING SCHEDULE			
LOCATION			THERMOPLASTIC PAVE MARKING - LINE 4"
			FOOT
STA. 1095+75 TO STA. 1123+55	WHITE	N. B.	2,780
STA. 1265+58 TO STA. 1274+79	WHITE	N. B.	921
STA. 1251+00 TO STA. 1261+61	WHITE	N. B.	1,061
STA. 1095+75 TO STA. 1123+55	YELLOW	N. B.	2,780
STA. 1265+58 TO STA. 1274+79	YELLOW	N. B.	921
STA. 1251+00 TO STA. 1261+61	YELLOW	N. B.	1,061
STA. 1095+75 TO STA. 1123+15	WHITE	S. B.	2,740
STA. 1265+99 TO STA. 1275+20	WHITE	S. B.	921
STA. 1250+00 TO STA. 1262+02	WHITE	S. B.	1,202
STA. 1095+75 TO STA. 1123+15	YELLOW	S. B.	2,740
STA. 1265+99 TO STA. 1275+20	YELLOW	S. B.	921
STA. 1250+00 TO STA. 1262+02	YELLOW	S. B.	1,202
TOTAL			19,250

FILE NAME = D160R62-sht-schedule2.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013



DESIGNED - S.J.P.
 DRAWN - A.C.S.
 CHECKED - M.P.
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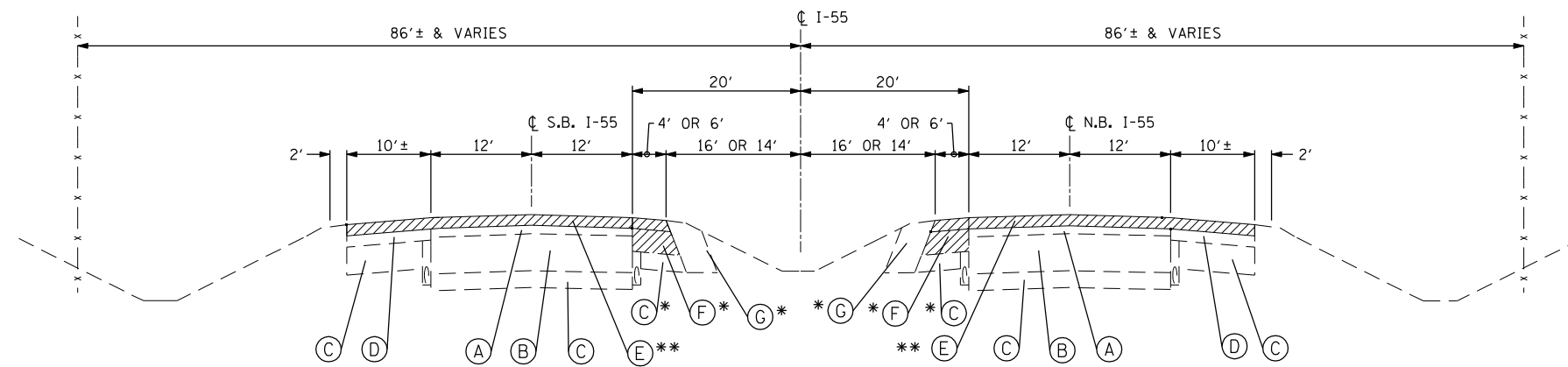
REVISED -
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 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
 I-55

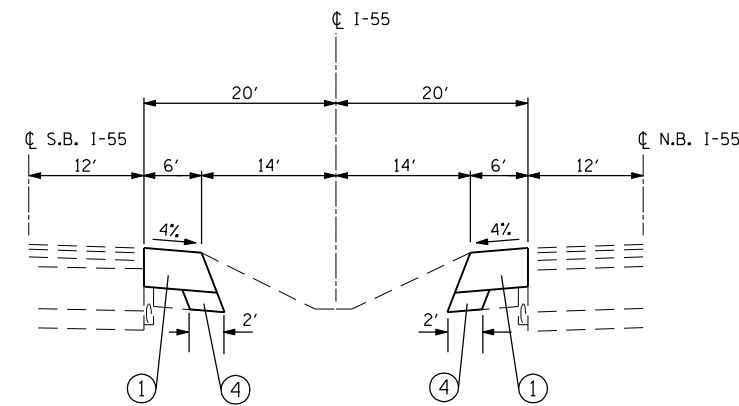
SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	11
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R62	



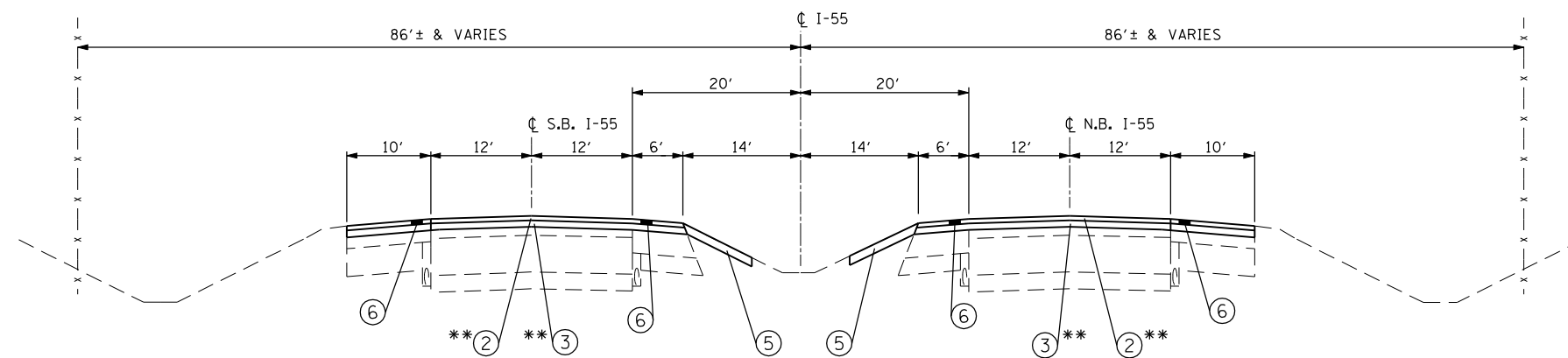
EXISTING TYPICAL SECTION

STA. 1075+75 TO STA. 1123+33.64
 STA. 1275+88.93 TO STA. 1223+00
 BRIDGE OMISSION:
 S.B. SN 099-0008
 STA. 1123+14.50 TO STA. EQUATION 1123+33.64 (AH) / 1275+88.93 (BK)
 TO STA 1262+02.11
 N.B. SN 099-0009
 STA. 1275+67.53 TO STA. 1261+61.53



*** PROPOSED INSIDE SHOULDER REPLACEMENT TYPICAL SECTION**

STA. 1118+00 TO STA. 1123+40
 STA. 1261+88 TO STA. 1259+13
 6 SQ FT OF EARTH EXCAVATION PER FOOT OF LENGTH
 (THIS SECTION CONSTRUCTED PRIOR TO SURFACE REMOVAL AND OVERLAY)

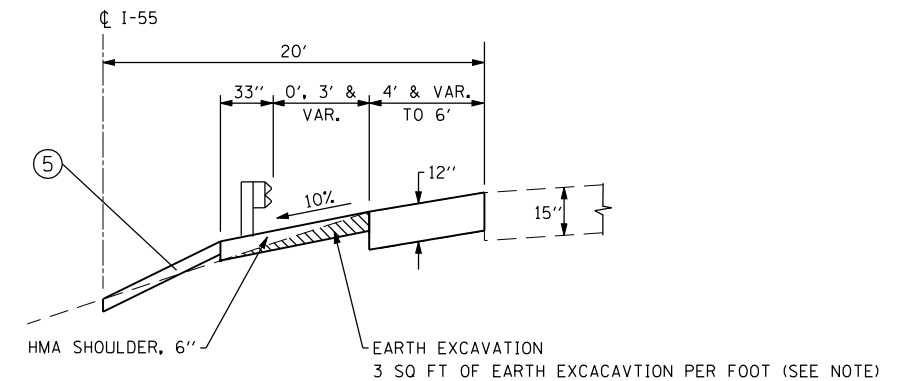


PROPOSED TYPICAL SECTION

** OVERLAY FOR BRIDGES APPROACHES
 STA. 1121+95.00 TO STA. 1123+55.04/STA. 1275+67.53
 STA. 1262+02.11 TO STA. 1260+42.00

EXISTING LEGEND

- (A) HOT-MIX ASPHALT OVERLAY, 5" & VARIES
- (B) PORTLAND CEMENT CONCRETE PAVEMENT, 10"
- (C) EXISTING GROUND OR AGGREGATE BASE COURSE. VARIES
- (D) HOT-MIX ASPHALT SHOULDER, 12" & 10"
- (E) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" OR HOT-MIX ASPHALT REMOVAL, BUTT JOINT
- (F) PAVED SHOULDER REMOVAL
- (G) EARTH EXCAVATION FOR 12" HMA SHOULDER



SHOULDER SECTION AT PROPOSED MEDIAN GUARDRAIL

STA. 1261+02 TO STA. 1258+78 (S.B.)
 STA. 1120+27 TO STA. 1123+40 (N.B.)

PROPOSED LEGEND

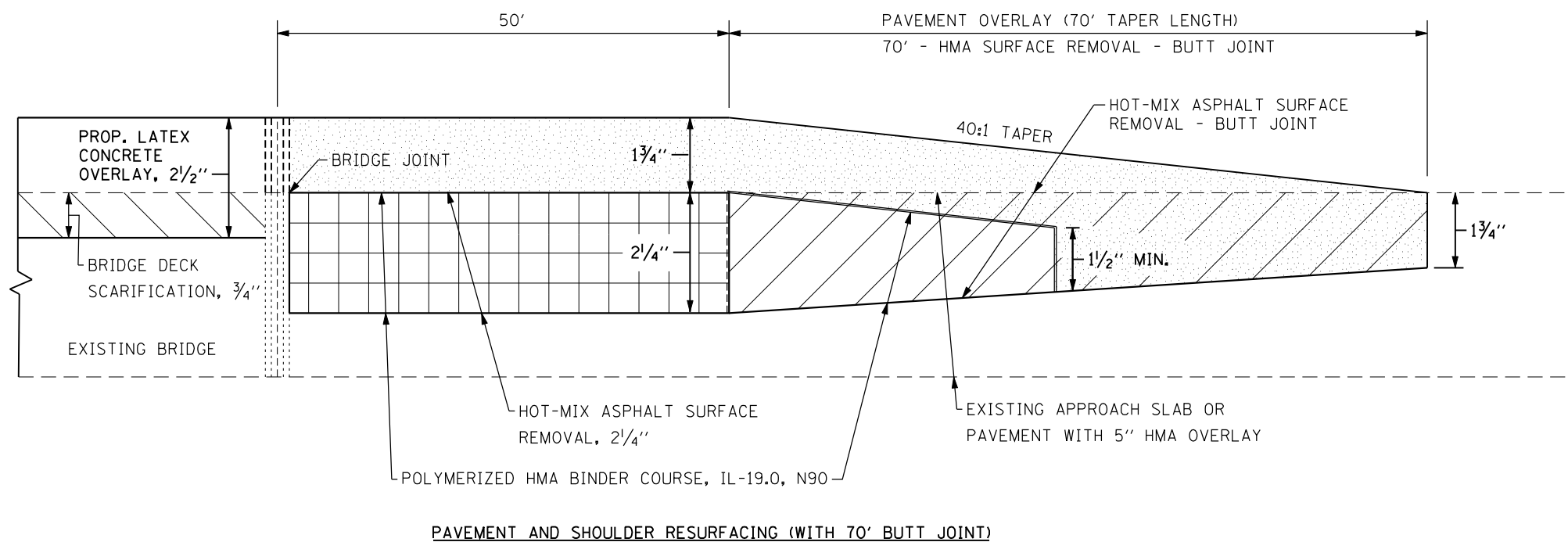
- (1) HOT-MIX ASPHALT SHOULDERS, 12"
- (2) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- (3) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"
- (4) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (5) TOPSOIL, FURNISH & PLACEMENT, 4" & SEEDING, CLASS 2A & EROSION CONTROL BLANKET
- (6) SHOULDER RUMBLE STRIP, 16"

MIX DESIGN WILL BE PROVIDED BY DISTRICT ONE BUREAU OF MATERIALS *


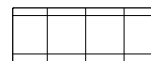
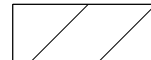

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
BRIDGE REHABILITATION	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N70 (IL 9.5 mm); 1 1/2"	3.5% @ 70 GYR.
PAVEMENT AND SHOULDER RESURFACING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm); 1 3/4"	4% @ 90 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90; 2 1/4"	4% @ 90 GYR.
SHOULDER RESURFACING (RUMBLE STRIP REMOVAL AND FILLING INLETS, SPECIAL)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm); 1 1/2"	4% @ 70 GYR.
CROSS OVER RESURFACING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm); 1 3/4"	4% @ 90 GYR.
HMA SHOULDER, 12" (INSIDE MEDIAN)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm); 1 1/2"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 10 1/2"	4% @ 70 GYR.
HMA SHOULDER, 6" (UNDER GUARD RAIL)	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 6" (2 LIFTS)	4% @ 70 GYR.
PATCHING	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 10 1/2"	4% @ 70 GYR.
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 1 1/2"	4% @ 70 GYR.

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE AND BINDER MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS, SEE SPECIAL PROVISIONS.
3. EXISTING PAVEMENT TO BE OVERLAID WILL BE CLEANED AND PRIMED PER ARTICLE 407.06 OF THE STANDARD SPECIFICATIONS.
4. SEE BUTT JOINT AND HMA TAPER DETAILS FOR ADDITIONAL NOTES AND DETAILS.
5. SEE HMA TAPER AT EDGE OF P.C.C. PAVEMENT FOR ADDITIONAL NOTES AND DETAILS.



LEGEND

-  BRIDGE DECK SCARIFICATION, 3/4"
-  HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
-  POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90; 1 3/4"

FILE NAME = D160R62-sht-typical2.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

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 211 WEST WACKER DRIVE
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS & DETAILS
 I-55**

SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	13
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

I-55

**PRELIMINARY STAGE
(NOT ILLUSTRATED)**

CONSTRUCTION

PRE-STAGE CONSTRUCTION

1. INSTALL TRAFFIC BARRIER TERMINAL, TYPE 6 ON S.B. OUTSIDE APPROACH TO SN 099-0008. FILL THE EXISTING INLETS ALONG S.B. I-55
2. ALONG OUTSIDE S.B. I-55 LANE: REMOVE SHOULDER RUMBLE STRIP, REMOVE OUTSIDE LANE LANES AND PLACE TEMPORARY WHITE AND YELLOW LANE LINES FOR SOUTHBOUND (S.B.). CLOSE INSIDE S.B. LANE. PLACE TEMPORARY CONCRETE BARRIER NEEDED FOR STAGE I.
3. ALONG S.B. I-55: REPLACE AND WIDENED MEDIAN SHOULDER. RESURFACE THE CROSSOVERS AND INSTALL REMAINDER OF TRAFFIC CONTROL FOR STAGE I.

TRAFFIC CONTROL

PRE-STAGE - MAINTENANCE OF TRAFFIC

1. USE DAILY LANE CLOSURE STD. 701400 and 701401. SET UP PERMANENT SHOULDER CLOSURE USING DISTRICT 1 DETAIL CLOSURE UNTIL TRAFFIC BARRIER TERMINAL, TYPE 6 INSTALLATION IS COMPLETE. THE ADJACENT LANE CAN BE CLOSED DURING THE ALLOWABLE HOURS CALLED OUT IN THE KEEPING EXPRESSWAY OPEN TO TRAFFIC SPECIAL PROVISION.
2. USE DAILY LANE CLOSURE STD. 701401 TO CLOSE OUTSIDE S.B. OUTSIDE LANE. AFTER TEMPORARY PAVEMENT MARKING IS IN PLACE CLOSE INSIDE LANE AS SHOWN ON THE STAGING PLANS.
3. PERFORM THE REMAINDER OF THE PRE-STAGE MAINTENANCE OF TRAFFIC SET-UP WORK AND REPLACE THE S.B. MEDIAN SHOULDER BEHIND THE TCB.

STAGE I

CONSTRUCTION

1. PERFORM ALL BRIDGE REPAIRS ON SN 099-0009. INSTALL NEW N.B. GUARDRAILS, REPLACE N.B. MEDIAN SHOULDER AND OVERLAY N.B. APPROACH SLABS.
2. AT THE END OF STAGE I: INSTALL TEMPORARY CONCRETE BARRIER AND TEMPORARY PAVEMENT MARKINGS AS NEEDED FOR STAGE II. REMOVE SHOULDER RUMBLE STRIPS AND PAVEMENT MARKING ALONG N.B. LANES.

TRAFFIC CONTROL

1. MAINTAIN TRAFFIC AS SHOWN ON THE STAGE I SUGGESTED STAGING PLANS.
2. MAINTAIN TRAFFIC AS SHOWN ON THE STAGE I SUGGESTED STAGING PLANS.

STAGE II

CONSTRUCTION

1. PERFORM ALL BRIDGE REPAIRS ON SN 099-0008; INSTALL NEW S.B. GUARDRAILS; OVERLAY S.B. APPROACH SLABS; AND PLACE PERMANENT PAVEMENT MARKINGS AND MARKERS ON S.B. BRIDGE AND PAVEMENT.
2. AT THE END OF STAGE II PLACE THE REMAINING PORTION OF PERMANENT PAVEMENT MARKINGS.
3. INSTALL CONCRETE BARRIERS AND IMPACT ATTENUATORS IN MEDIAN CROSSOVERS.

TRAFFIC CONTROL

1. MAINTAIN TRAFFIC AS SHOWN ON THE STAGE II SUGGESTED STAGING PLANS.
2. AT THE END OF STAGE II: SHIFT S.B. TRAFFIC ONTO OUTSIDE S.B. LANE. USE STD. 701400 FOR DAILY LANE CLOSURES. USE DAILY LANE CLOSURES STD 701400 AND 701401 TO CLOSE N.B. INSIDE LANE. LANES CAN BE CLOSED DURING THE ALLOWABLE HOURS CALLED OUT IN THE KEEPING EXPRESSWAY OPEN TO TRAFFIC SPECIAL PROVISION.
3. USE DAILY LANE CLOSURES STD 701400 AND 701401 TO CLOSE N.B. INSIDE LANE. LANES CAN BE CLOSED DURING THE ALLOWABLE HOURS CALLED OUT IN THE KEEPING EXPRESSWAY OPEN TO TRAFFIC SPECIAL PROVISION.

TRAFFIC CONTROL AND STAGING NOTES

1. THE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR SHALL BE NOTIFIED 1 WEEK IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.
2. THE REFLECTORS FROM THE RAISED REFLECTIVE PAVEMENT MARKERS WHICH CONFLICT WITH THE MAINTENANCE OF TRAFFIC SHALL BE REMOVED. THESE SHALL BE REPLACED AT THE END OF STAGE II. THE COST OF THE REMOVAL OF THE EXISTING REFLECTORS SHALL BE INCLUDED IN THE BID PRICE FOR 'REFLECTOR REPLACEMENT'.
3. ALL BARRICADES PANELS SHALL BE EQUIPPED WITH MONO DIRECTIONAL STEADY BURN LIGHTS.
4. SEE THE "KEEPING EXPRESSWAY OPEN TO TRAFFIC" SPECIAL PROVISION FOR ALLOWABLE LANE CLOSURE HOURS AND LIMITS.
5. THE RESIDENT ENGINEER SHALL SUBMIT AN OPER2410 FORM TO IDOT ROAD INFO 21 DAYS IN ADVANCE IMPLEMENTING ANY LONG TERM LANE CLOSURES.

FILE NAME = D160R62-sht-motnotes.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013



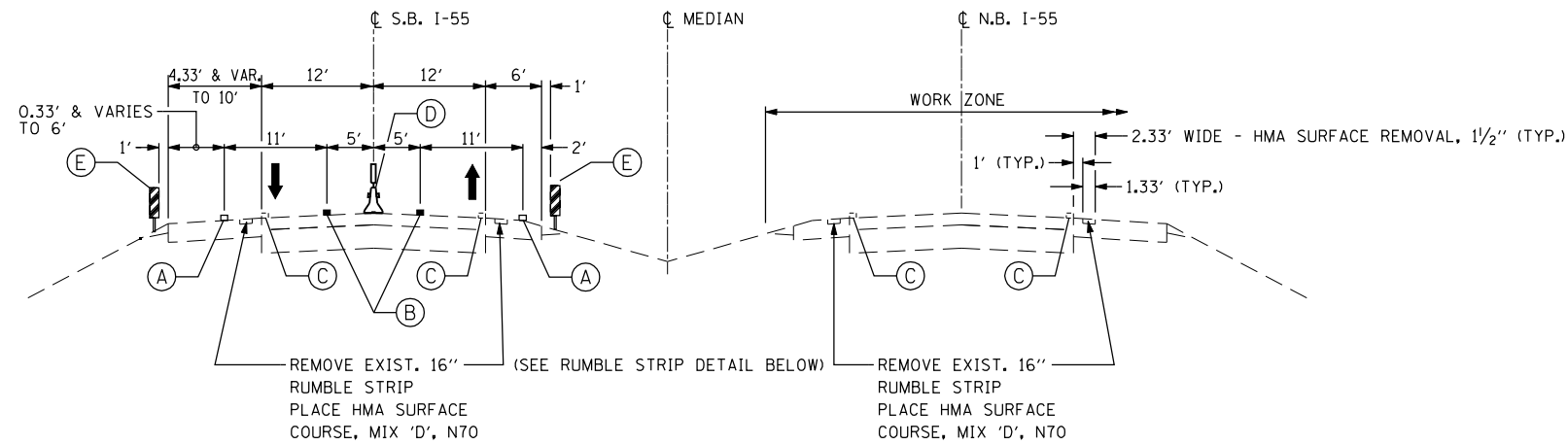
DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

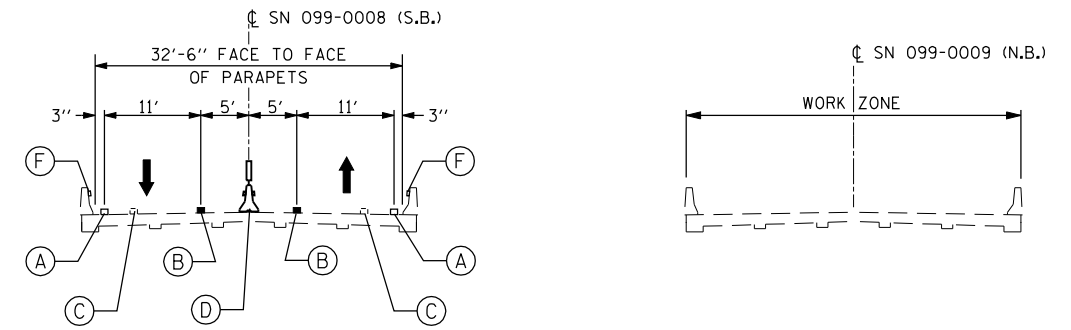
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL NOTES
I-55**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

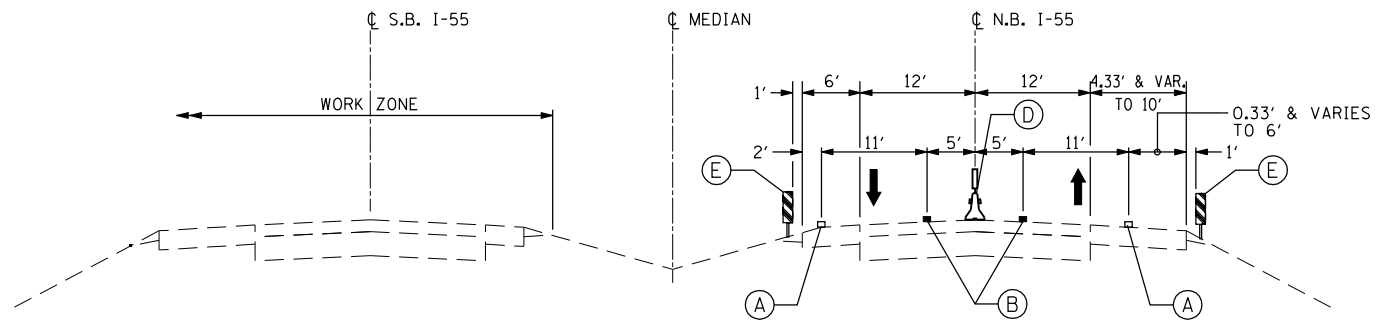
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	14
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



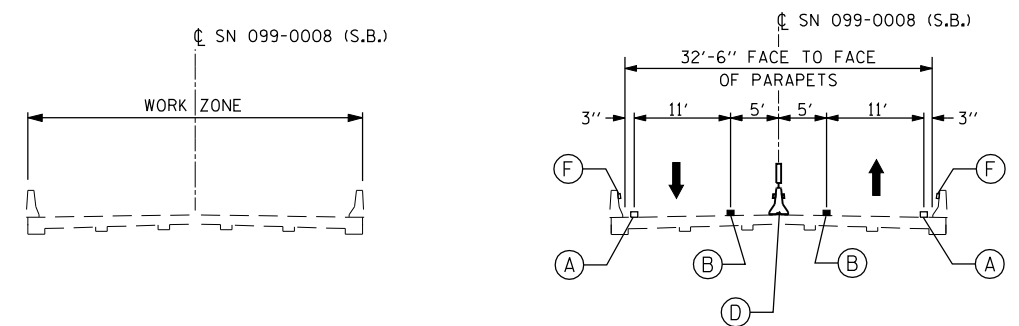
STAGE I TYPICAL SECTION
STA. 1099+50 TO STA. 1123+14
STA. 1262+02 TO STA. 1257+64



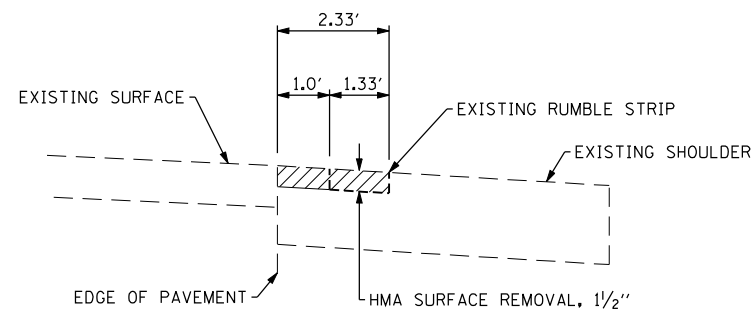
STAGE I (LOOKING NORTH)
STA. 1123+14 TO STA. EQ. 1123+33.64/1275+88.93
TO STA. 1262+02



STAGE II TYPICAL SECTION
STA. 1099+50 TO STA. EQ. 1123+33.64/1275+88.93
TO STA. 1275+58 &
STA. 1262+62 TO STA. 1259+00



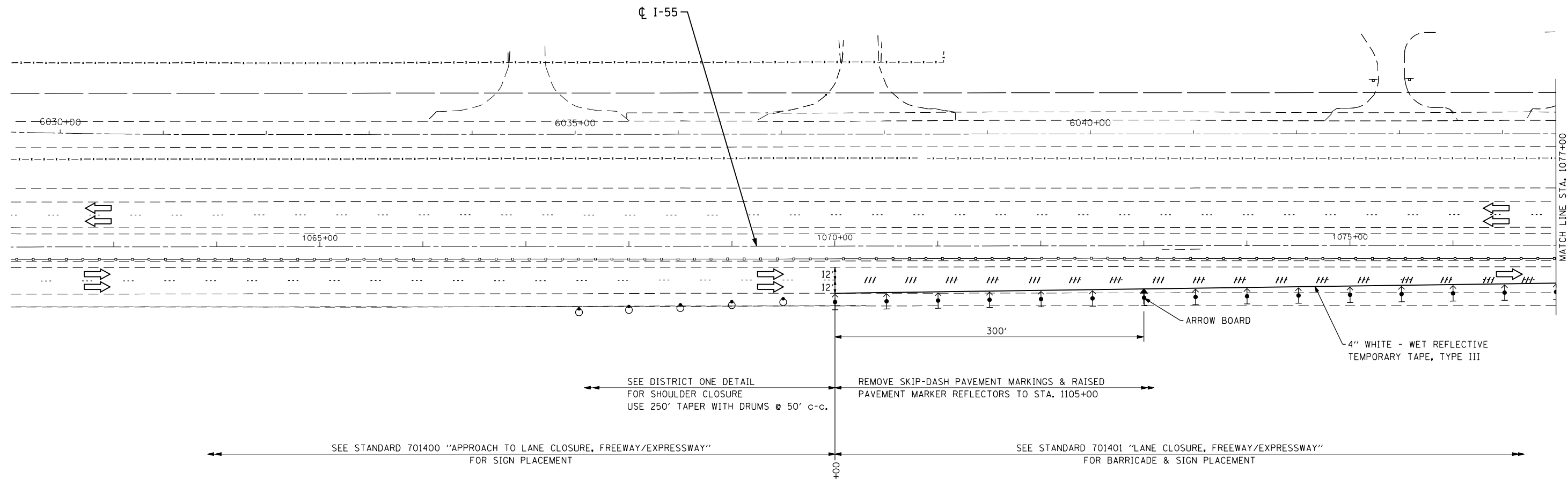
STAGE II (LOOKING NORTH)
STA. 1275+58 TO STA. 1262+62



RUMBLE STRIP DETAIL

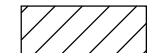









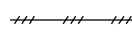
LEGEND

- (A) 4" WHITE WET REFLECTIVE TEMPORARY TAPE, TYPE III
- (B) 4" YELLOW WET REFLECTIVE TEMPORARY TAPE, TYPE III
- (C) EXIST. PAVEMENT MARKING TO BE REMOVED
- (D) TEMPORARY CONCRETE BARRIER WITH MODULAR GLARE SCREEN SYSTEM & TYPE "C" YELLOW REFLECTIVE MARKERS @ 25' c-c.
- (E) VERTICAL PANELS @ 50' c-c.
- (F) BARRIER WALL MARKERS, TYPE 'C', CRYSTAL



NOTE:
 PLACE A CHANGEABLE MESSAGE SIGN (CMS) FOR NORTHBOUND I-55 TRAFFIC 1000'± SOUTH OF CREST OF I-55 VERTICAL CURVE SOUTH OF BLUFF RD. CMS SHALL DISPLAY "WATCH FOR STOPPED TRAFFIC".

LEGEND

-  WORK AREA
-  ARROW BOARD
-  TRAFFIC LANE
-  TEMPORARY CONCRETE BARRIER
-  TYPE III BARRICADES WITH FLASHING LIGHTS
-  VERTICAL PANELS @ 50' c-c. UNLESS OTHERWISE SHOWN
-  TEMPORARY SIGN
-  DRUMS @ 50' c-c. WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
-  TYPE II BARRICADES WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
-  DIRECTIONAL INDICATOR BARRIER
-  PAVEMENT MARKING REMOVAL

FILE NAME = D160R62-stage1-01.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-8274

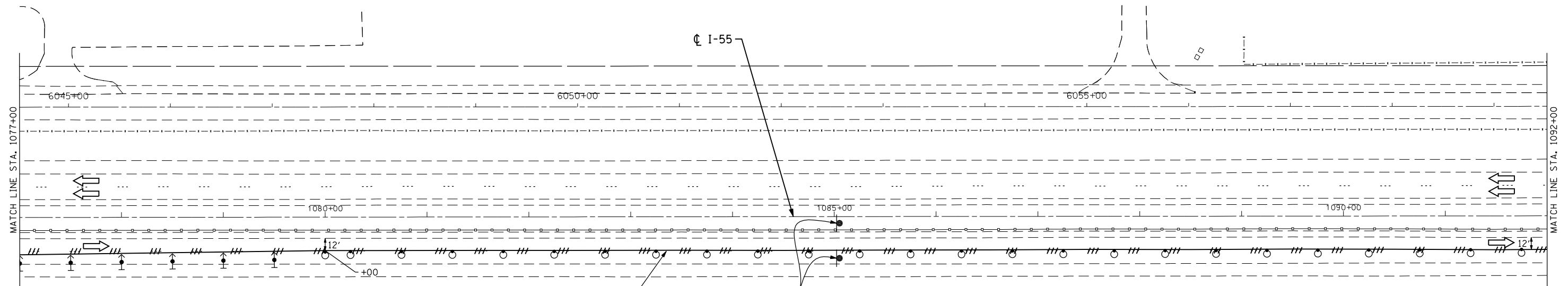
DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED TRAFFIC CONTROL AND PROTECTION
 I-55 STAGE I**

SCALE: 1" = 50' SHEET NO. 1 OF 9 SHEETS STA. 1062+00 TO STA. 1077+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	16
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R62	



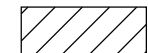









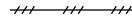
4" WHITE - WET REFLECTIVE
TEMPORARY TAPE, TYPE III

W1-4L(O)-48

W13-1(O)-2424

45
MPH

LEGEND

-  WORK AREA
-  ARROW BOARD
-  TRAFFIC LANE
-  TEMPORARY CONCRETE BARRIER
-  TYPE III BARRICADES WITH FLASHING LIGHTS
-  VERTICAL PANELS @ 50' c-c. UNLESS OTHERWISE SHOWN
-  TEMPORARY SIGN
-  DRUMS @ 50' c-c. WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
-  TYPE II BARRICADES WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
-  DIRECTIONAL INDICATOR BARRIER
-  PAVEMENT MARKING REMOVAL

FILE NAME = D160R62-stage1-02.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-8274

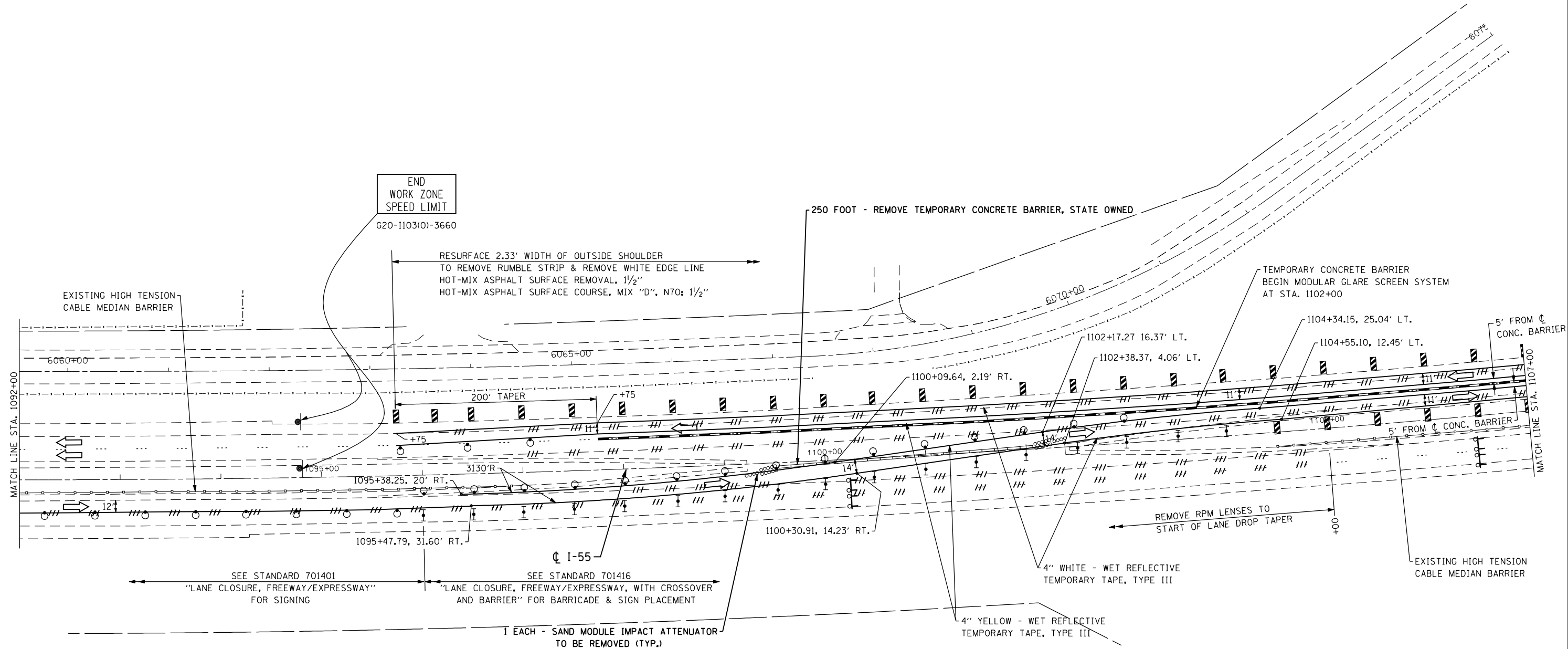
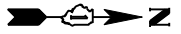
DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED TRAFFIC CONTROL AND PROTECTION
 I-55 STAGE I**

SCALE: 1" = 50' SHEET NO. 2 OF 9 SHEETS STA. 1077+00 TO STA. 1092+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	17
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R62	



- WORK AREA
- ARROW BOARD
- TRAFFIC LANE
- TEMPORARY CONCRETE BARRIER
- TYPE III BARRICADES WITH FLASHING LIGHTS
- VERTICAL PANELS @ 50' C-C, UNLESS OTHERWISE SHOWN
- TEMPORARY SIGN
- DRUMS @ 50' C-C, WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
- TYPE II BARRICADES WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
- DIRECTIONAL INDICATOR BARRIER
- PAVEMENT MARKING REMOVAL

FILE NAME = D160R62-stage1-03.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-8274

DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

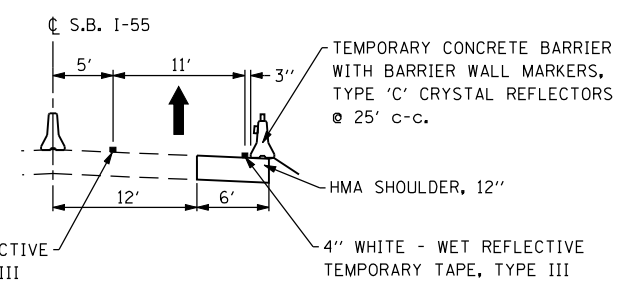
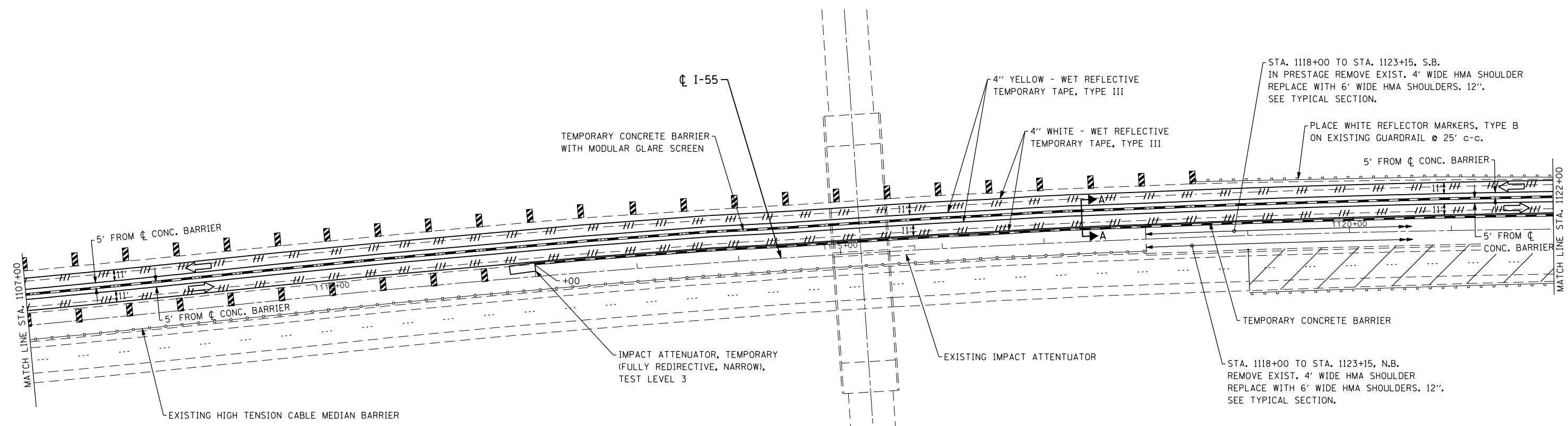
**SUGGESTED TRAFFIC CONTROL AND PROTECTION
 I-55 STAGE I**

SCALE: 1" = 50' SHEET NO. 3 OF 9 SHEETS STA. 1092+00 TO STA. 1107+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	18
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



ARSENAL ROAD



LEGEND

- WORK AREA
- ARROW BOARD
- TRAFFIC LANE
- TEMPORARY CONCRETE BARRIER
- TYPE III BARRICADES WITH FLASHING LIGHTS
- VERTICAL PANELS @ 50' c-c. UNLESS OTHERWISE SHOWN
- TEMPORARY SIGN
- DRUMS @ 50' c-c. WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
- TYPE II BARRICADES WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
- DIRECTIONAL INDICATOR BARRIER
- PAVEMENT MARKING REMOVAL

FILE NAME = D160R62-stage1-04.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-8274

DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

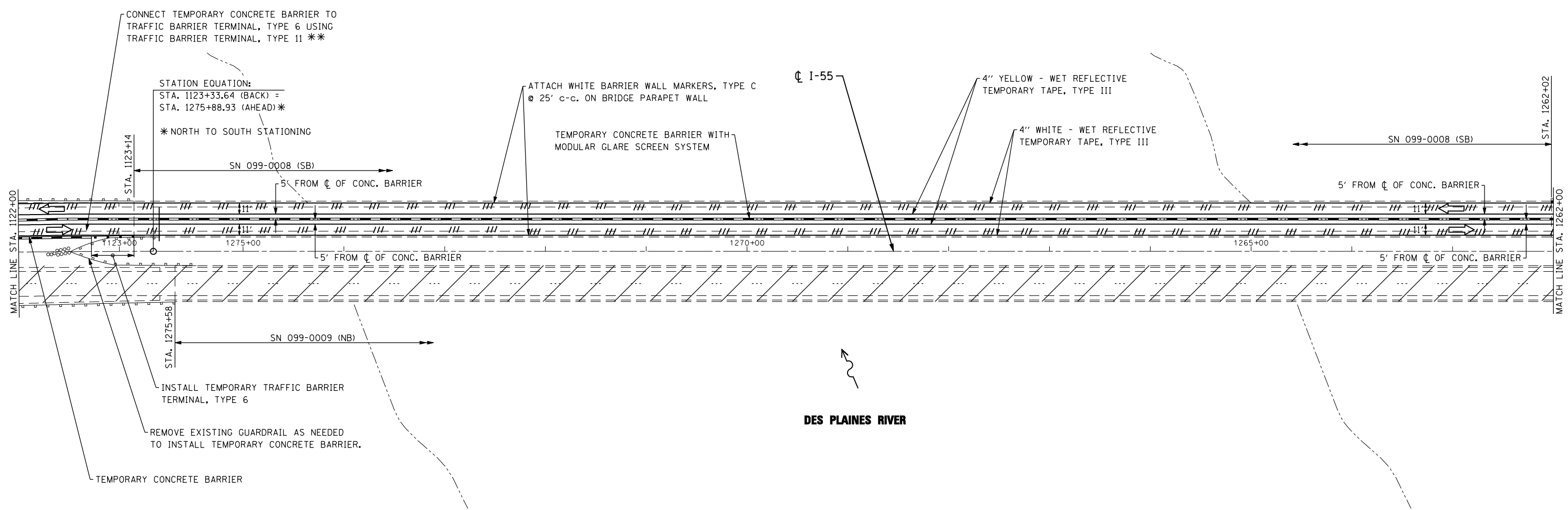
**SUGGESTED TRAFFIC CONTROL AND PROTECTION
 I-55 STAGE I**

SCALE: 1" = 50' SHEET NO. 4 OF 9 SHEETS STA. 1107+00 TO STA. 1122+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	19
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



** THE BID PRICE FOR THE TRAFFIC BARRIER TERMINAL TYPE 11 SHALL INCLUDE THE COST OF THE LABOR AND HARDWARE NEEDED TO CONNECT THE TBT TYPE 11 TO THE TBT TYPE 6.



LEGEND

- WORK AREA
- ARROW BOARD
- TRAFFIC LANE
- TEMPORARY CONCRETE BARRIER
- TYPE III BARRICADES WITH FLASHING LIGHTS
- VERTICAL PANELS @ 50' c-c. UNLESS OTHERWISE SHOWN
- TEMPORARY SIGN
- DRUMS @ 50' c-c. WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
- TYPE II BARRICADES WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
- DIRECTIONAL INDICATOR BARRIER
- PAVEMENT MARKING REMOVAL

FILE NAME = D160R62-stage1-05.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

CHRISTIAN ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-8274

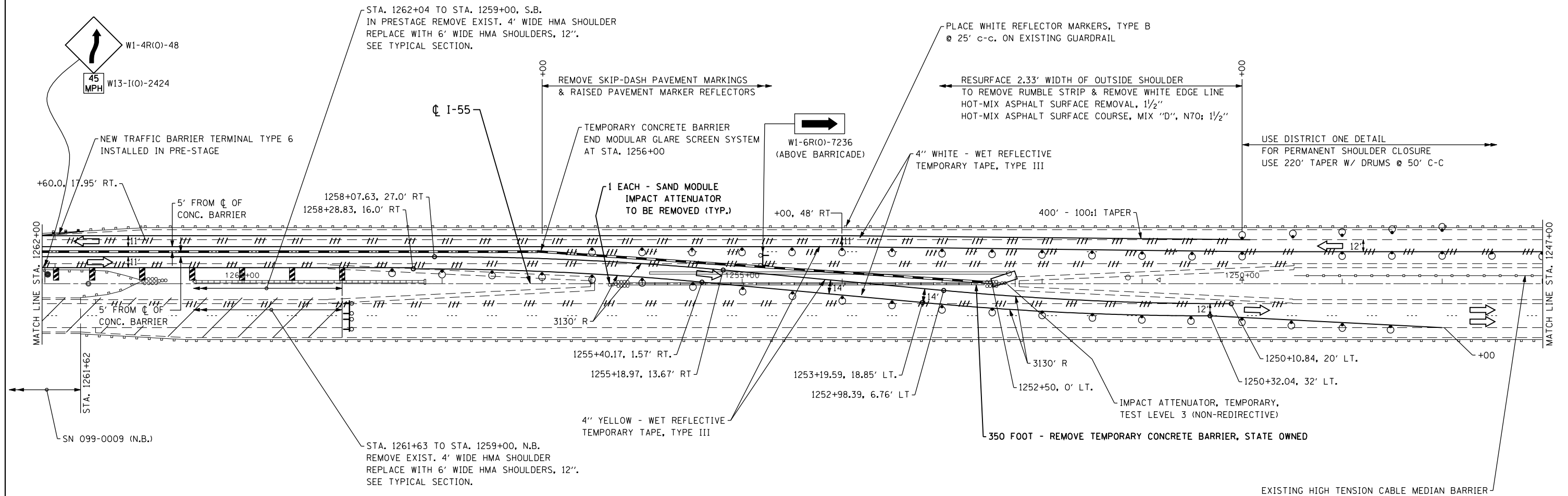
DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

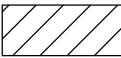









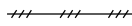
**SUGGESTED TRAFFIC CONTROL AND PROTECTION
 I-55 STAGE I**

SCALE: 1" = 50' SHEET NO. 5 OF 9 SHEETS STA. 1122+00 TO STA. 1262+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	20
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

-  WORK AREA
-  ARROW BOARD
-  TRAFFIC LANE
-  TEMPORARY CONCRETE BARRIER
-  TYPE III BARRICADES WITH FLASHING LIGHTS
-  VERTICAL PANELS @ 50' C-C. UNLESS OTHERWISE SHOWN
-  TEMPORARY SIGN
-  DRUMS @ 50' C-C. WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
-  TYPE II BARRICADES WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
-  DIRECTIONAL INDICATOR BARRIER
-  PAVEMENT MARKING REMOVAL

FILE NAME = D160R62-stage1-06.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-8274

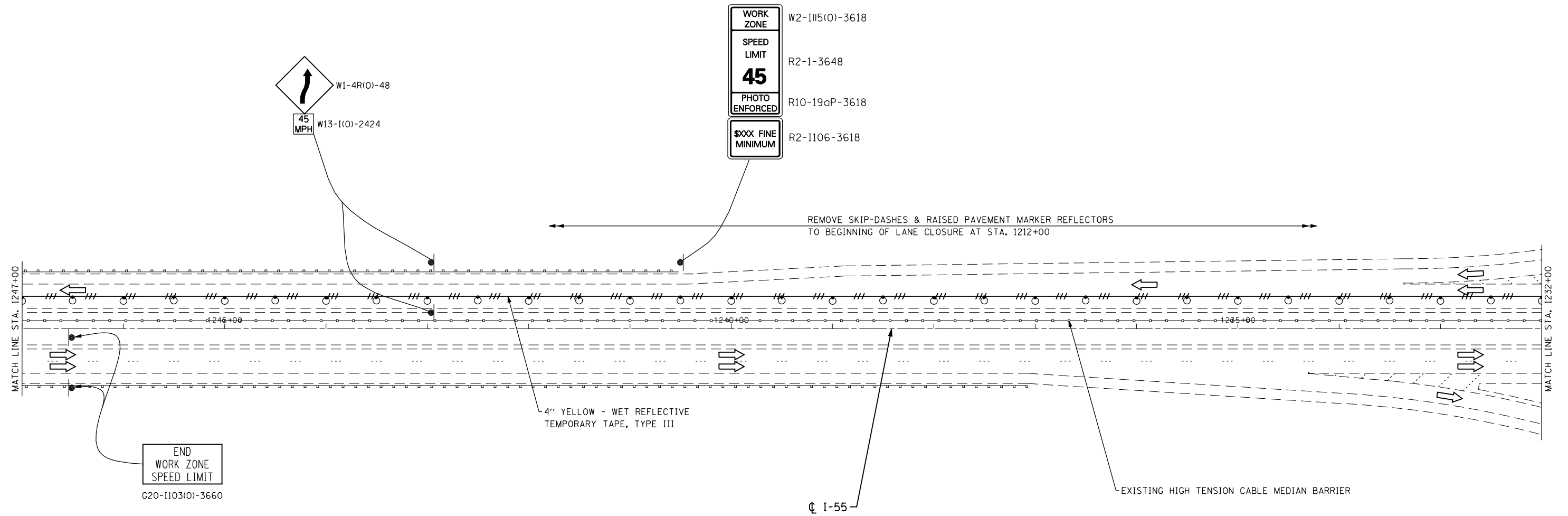
DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED TRAFFIC CONTROL AND PROTECTION
 I-55 STAGE I**

SCALE: 1" = 50' SHEET NO. 6 OF 9 SHEETS STA. 1262+00 TO STA. 1247+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	21
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



END
WORK ZONE
SPEED LIMIT
G20-1103(0)-3660

LEGEND

- WORK AREA
- ARROW BOARD
- TRAFFIC LANE
- TEMPORARY CONCRETE BARRIER
- TYPE III BARRICADES WITH FLASHING LIGHTS
- VERTICAL PANELS @ 50' C-C. UNLESS OTHERWISE SHOWN
- TEMPORARY SIGN
- DRUMS @ 50' C-C. WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
- TYPE II BARRICADES WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
- DIRECTIONAL INDICATOR BARRIER
- PAVEMENT MARKING REMOVAL

FILE NAME = D160R62-stage1-07.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-8274

DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED TRAFFIC CONTROL AND PROTECTION
 I-55 STAGE I**

SCALE: 1" = 50' SHEET NO. 7 OF 9 SHEETS STA. 1247+00 TO STA. 1232+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	22
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



ROAD
CONSTRUCTION
AHEAD
W20-1103(O)-48

4" YELLOW - WET REFLECTIVE
TEMPORARY TAPE, TYPE III

CL I-55

BLUFF ROAD

MATCH LINE STA. 1232+00

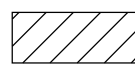
MATCH LINE STA. 1217+00

1230+00

1225+00

1220+00

LEGEND



WORK AREA



ARROW BOARD



TRAFFIC LANE



TEMPORARY CONCRETE
BARRIER



TYPE III BARRICADES WITH
FLASHING LIGHTS



VERTICAL PANELS @ 50' C-C.
UNLESS OTHERWISE SHOWN



TEMPORARY SIGN



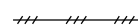
DRUMS @ 50' C-C. WITH STEADY-BURN
MONO-DIRECTIONAL LIGHTS



TYPE II BARRICADES WITH STEADY-BURN
MONO-DIRECTIONAL LIGHTS



DIRECTIONAL INDICATOR BARRIER



PAVEMENT MARKING REMOVAL

FILE NAME = D160R62-stage1-08.dgn
USER NAME = IDOT
PLOT SCALE = 100.0000' / IN.
PLOT DATE = 1/18/2013

CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-8274

DESIGNED - S.J.P.
DRAWN - B.K.
CHECKED - M.P.
DATE - JANUARY 17, 2013

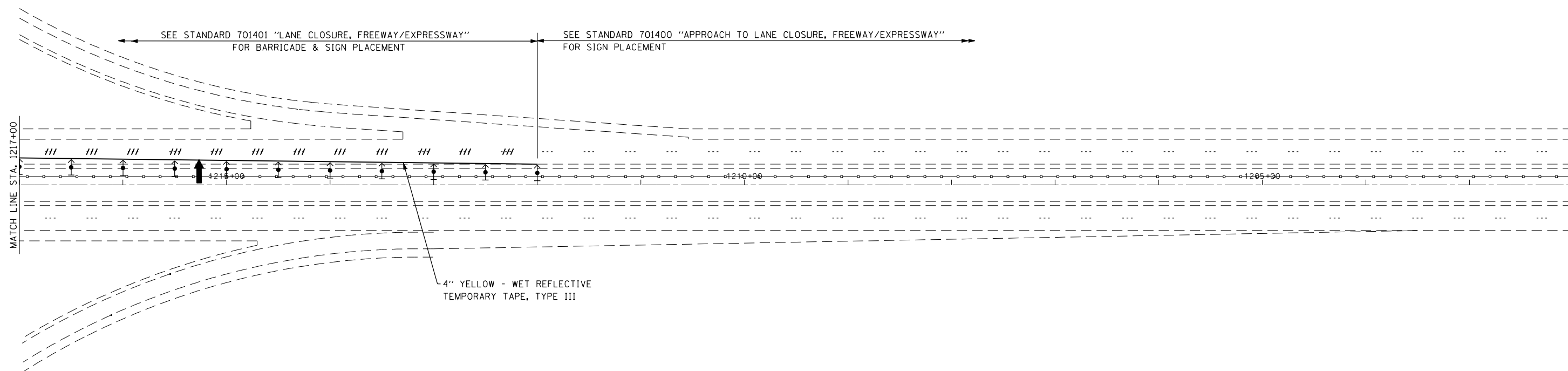
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

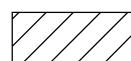
SUGGESTED TRAFFIC CONTROL AND PROTECTION
I-55 STAGE I

SCALE: 1" = 50' SHEET NO. 8 OF 9 SHEETS STA. 1232+00 TO STA. 1217+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	23
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R62	



LEGEND



WORK AREA



ARROW BOARD



TRAFFIC LANE



TEMPORARY CONCRETE BARRIER



TYPE III BARRICADES WITH FLASHING LIGHTS



VERTICAL PANELS @ 50' C-C. UNLESS OTHERWISE SHOWN



TEMPORARY SIGN



DRUMS @ 50' C-C. WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS



TYPE II BARRICADES WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS



DIRECTIONAL INDICATOR BARRIER



PAVEMENT MARKING REMOVAL

FILE NAME = D160R62-stage1-09.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013



CHRISTIAN-ROCHE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-8274

DESIGNED - S.J.P.
 DRAWN - B.K.
 CHECKED - M.P.
 DATE - JANUARY 17, 2013

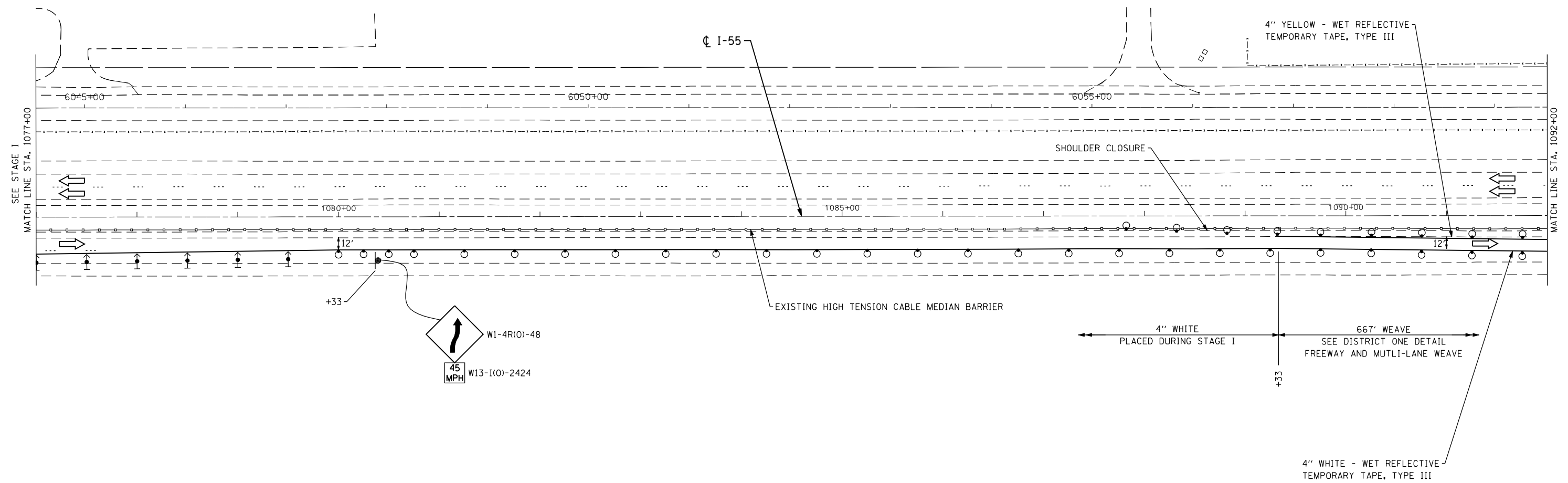
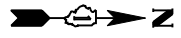
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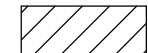









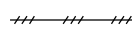
**SUGGESTED TRAFFIC CONTROL AND PROTECTION
 I-55 STAGE I**

SCALE: 1" = 50' SHEET NO. 9 OF 9 SHEETS STA. 1217+00 TO STA. 1202+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	24
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R62	



LEGEND

-  WORK AREA
-  ARROW BOARD
-  TRAFFIC LANE
-  TEMPORARY CONCRETE BARRIER
-  TYPE III BARRICADES WITH FLASHING LIGHTS
-  VERTICAL PANELS @ 50' c-c. UNLESS OTHERWISE SHOWN
-  TEMPORARY SIGN
-  DRUMS @ 50' c-c. WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
-  TYPE II BARRICADES WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
-  DIRECTIONAL INDICATOR BARRIER
-  PAVEMENT MARKING REMOVAL

FILE NAME = D160R62-stage2-01.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

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 211 WEST WACKER DRIVE
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 PHONE: (312)372-2023 FAX: (312)372-8274

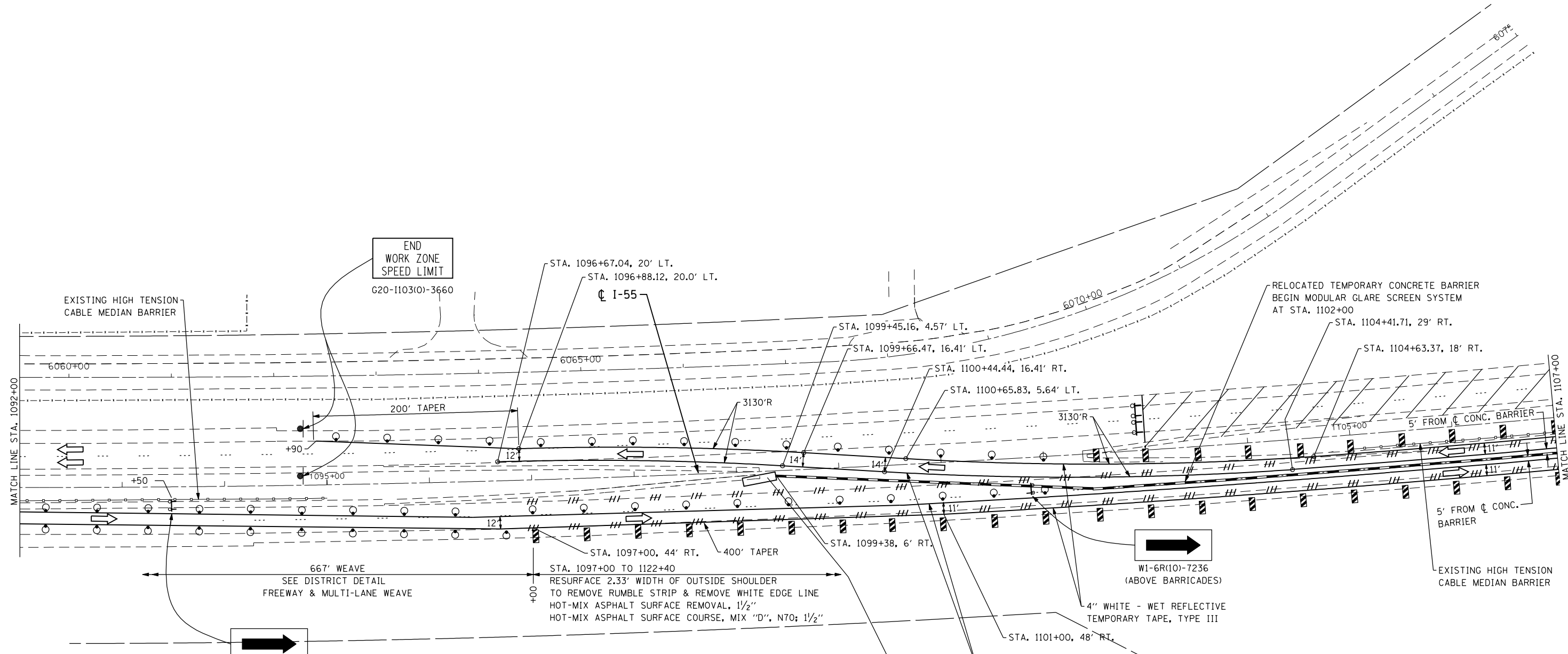
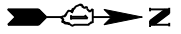
DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

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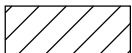









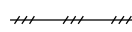
**SUGGESTED TRAFFIC CONTROL AND PROTECTION
 I-55 STAGE II**

SCALE: 1" = 50' SHEET NO. 1 OF 7 SHEETS STA. 1077+00 TO STA. 1092+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	25
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R62	



LEGEND

-  WORK AREA
-  ARROW BOARD
-  TRAFFIC LANE
-  TEMPORARY CONCRETE BARRIER
-  TYPE III BARRICADES WITH FLASHING LIGHTS
-  VERTICAL PANELS @ 50' C-C, UNLESS OTHERWISE SHOWN
-  TEMPORARY SIGN
-  DRUMS @ 50' C-C, WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
-  TYPE II BARRICADES WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
-  DIRECTIONAL INDICATOR BARRIER
-  PAVEMENT MARKING REMOVAL

FILE NAME = D160R62-stage2-02.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

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 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-8274

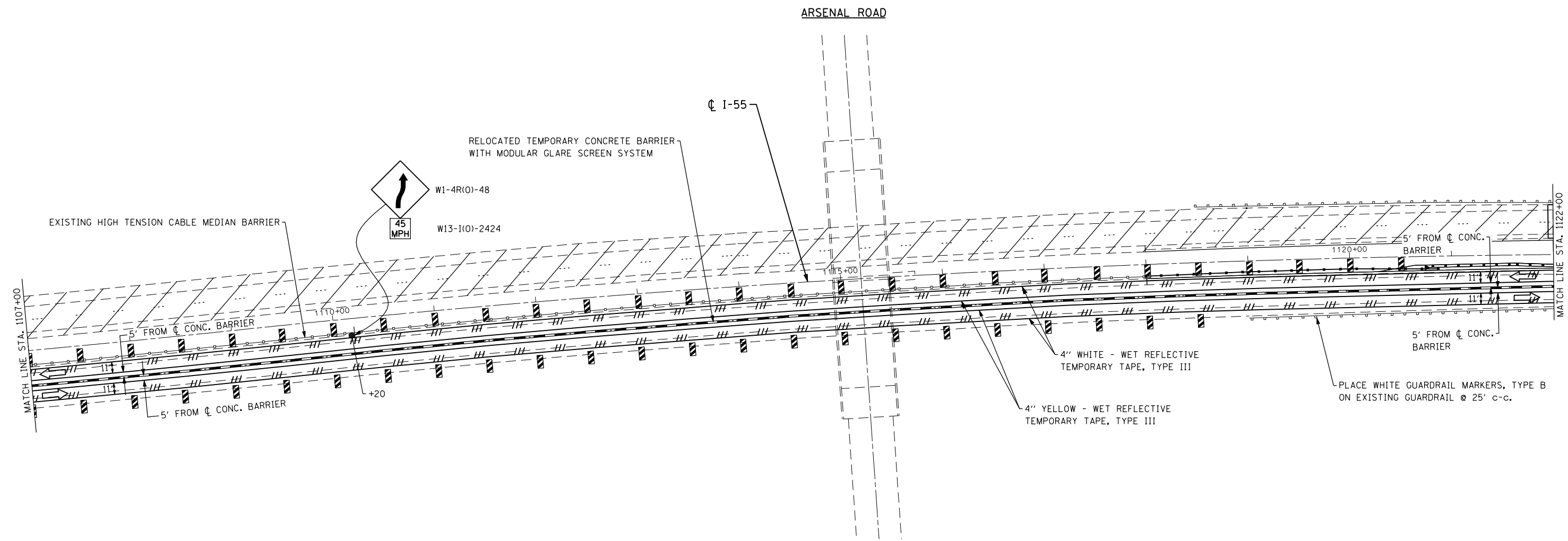
DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED TRAFFIC CONTROL AND PROTECTION
 I-55 STAGE II**

SCALE: 1" = 50' SHEET NO. 2 OF 7 SHEETS STA. 1092+00 TO STA. 1107+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	26
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

- WORK AREA
- ARROW BOARD
- TRAFFIC LANE
- TEMPORARY CONCRETE BARRIER
- TYPE III BARRICADES WITH FLASHING LIGHTS
- VERTICAL PANELS @ 50' c-c. UNLESS OTHERWISE SHOWN
- TEMPORARY SIGN
- DRUMS @ 50' c-c. WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
- TYPE II BARRICADES WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
- DIRECTIONAL INDICATOR BARRIER
- PAVEMENT MARKING REMOVAL

FILE NAME = D160R62-stage2-03.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

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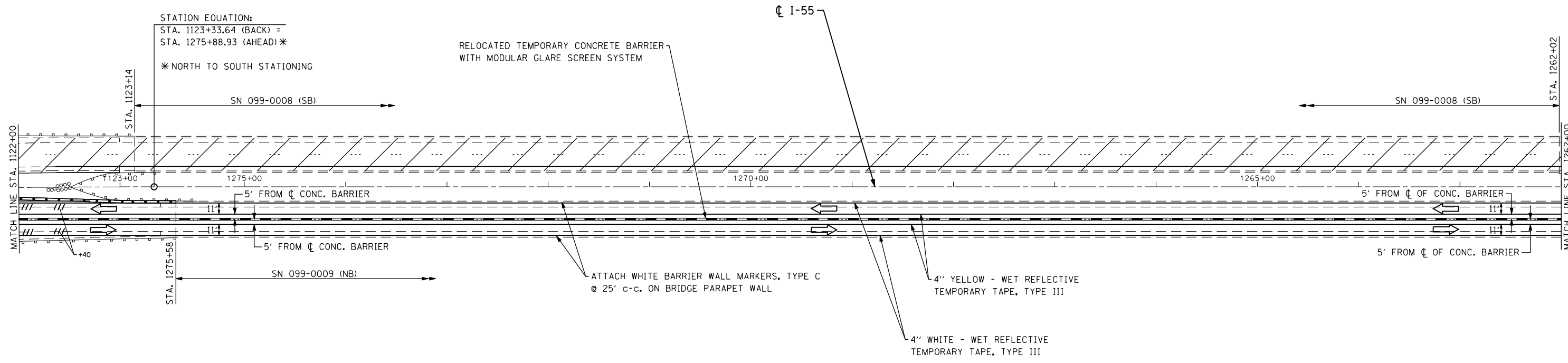
DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

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**SUGGESTED TRAFFIC CONTROL AND PROTECTION
 I-55 STAGE II**

SCALE: 1" = 50' SHEET NO. 3 OF 7 SHEETS STA. 1107+00 TO STA. 1122+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	27
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



STATION EQUATION:
 STA. 1123+33.64 (BACK) =
 STA. 1275+88.93 (AHEAD) *
 * NORTH TO SOUTH STATIONING

RELOCATED TEMPORARY CONCRETE BARRIER
 WITH MODULAR GLARE SCREEN SYSTEM

ATTACH WHITE BARRIER WALL MARKERS, TYPE C
 @ 25' c-c. ON BRIDGE PARAPET WALL

4" YELLOW - WET REFLECTIVE
 TEMPORARY TAPE, TYPE III

4" WHITE - WET REFLECTIVE
 TEMPORARY TAPE, TYPE III

LEGEND

- WORK AREA
- ARROW BOARD
- TRAFFIC LANE
- TEMPORARY CONCRETE BARRIER
- TYPE III BARRICADES WITH FLASHING LIGHTS
- VERTICAL PANELS @ 50' c-c. UNLESS OTHERWISE SHOWN
- TEMPORARY SIGN
- DRUMS @ 50' c-c. WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
- TYPE II BARRICADES WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
- DIRECTIONAL INDICATOR BARRIER
- PAVEMENT MARKING REMOVAL

FILE NAME = D160R62-stage2-04.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

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 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-8274

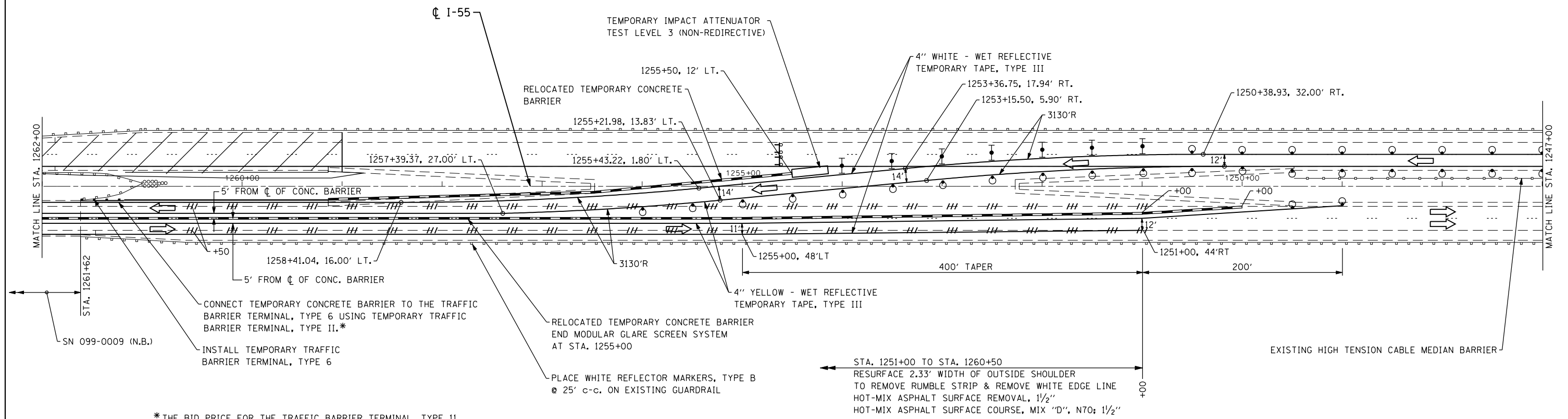
DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

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**SUGGESTED TRAFFIC CONTROL AND PROTECTION
 I-55 STAGE II**

SCALE: 1" = 50' SHEET NO. 4 OF 7 SHEETS STA. 1122+00 TO STA. 1262+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	28
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



*THE BID PRICE FOR THE TRAFFIC BARRIER TERMINAL, TYPE II SHALL INCLUDE THE COST OF THE ADDITIONAL HARDWARE NEEDED TO CONNECT THE TYPE II TO THE TYPE 6 TERMINAL.

LEGEND

- WORK AREA
- ARROW BOARD
- TRAFFIC LANE
- TEMPORARY CONCRETE BARRIER
- TYPE III BARRICADES WITH FLASHING LIGHTS
- VERTICAL PANELS @ 50' c-c. UNLESS OTHERWISE SHOWN
- TEMPORARY SIGN
- DRUMS @ 50' c-c. WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
- TYPE II BARRICADES WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
- DIRECTIONAL INDICATOR BARRIER
- PAVEMENT MARKING REMOVAL

FILE NAME = D160R62-stage2-05.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

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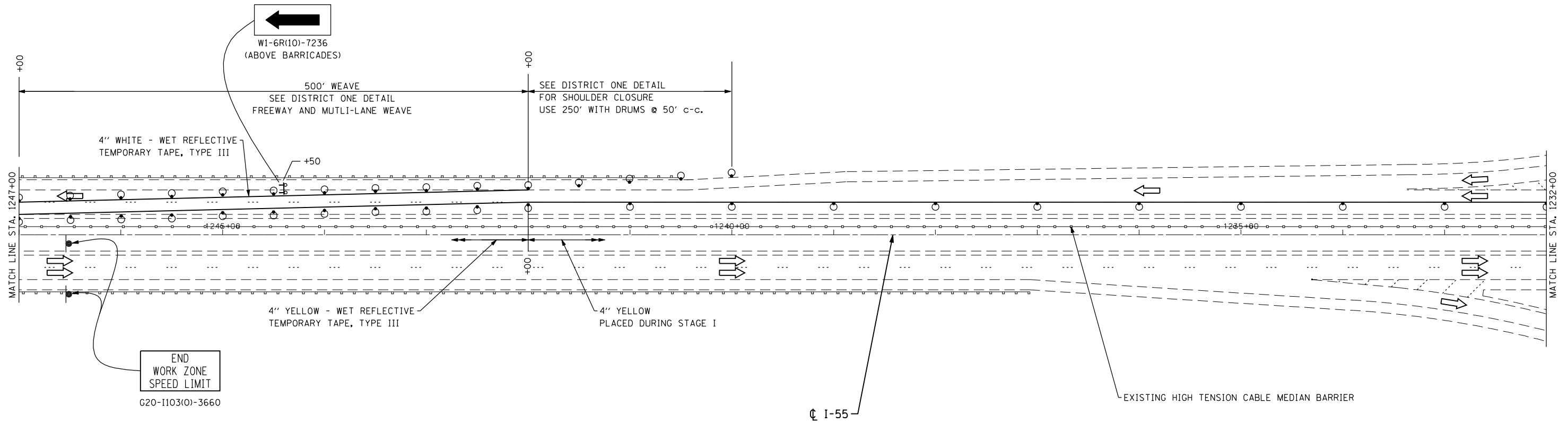
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DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

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 DEPARTMENT OF TRANSPORTATION**

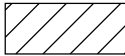









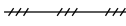
**SUGGESTED TRAFFIC CONTROL AND PROTECTION
 I-55 STAGE II**

SCALE: 1" = 50' SHEET NO. 5 OF 7 SHEETS STA. 1262+00 TO STA. 1247+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	29
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

-  WORK AREA
-  ARROW BOARD
-  TRAFFIC LANE
-  TEMPORARY CONCRETE BARRIER
-  TYPE III BARRICADES WITH FLASHING LIGHTS
-  VERTICAL PANELS @ 50' c-c. UNLESS OTHERWISE SHOWN
-  TEMPORARY SIGN
-  DRUMS @ 50' c-c. WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
-  TYPE II BARRICADES WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
-  DIRECTIONAL INDICATOR BARRIER
-  PAVEMENT MARKING REMOVAL

FILE NAME = D160R62-stage2-06.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

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 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
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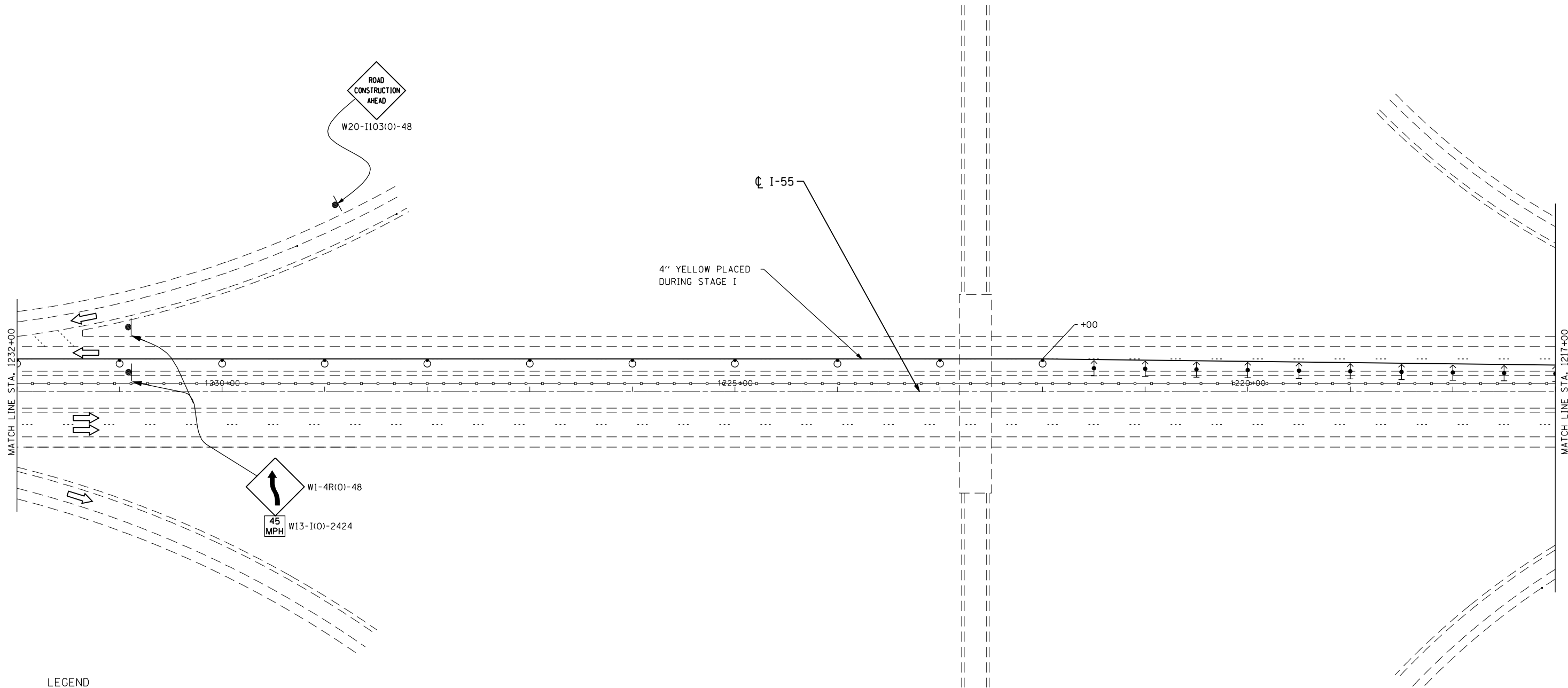
DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

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







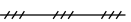
**SUGGESTED TRAFFIC CONTROL AND PROTECTION
 I-55 STAGE II**

SCALE: 1" = 50' SHEET NO. 6 OF 7 SHEETS STA. 1247+00 TO STA. 1232+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	30
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

-  WORK AREA
-  ARROW BOARD
-  TRAFFIC LANE
-  TEMPORARY CONCRETE BARRIER
-  TYPE III BARRICADES WITH FLASHING LIGHTS
-  VERTICAL PANELS @ 50' C-C, UNLESS OTHERWISE SHOWN
-  TEMPORARY SIGN
-  DRUMS @ 50' C-C, WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
-  TYPE II BARRICADES WITH STEADY-BURN MONO-DIRECTIONAL LIGHTS
-  DIRECTIONAL INDICATOR BARRIER
-  PAVEMENT MARKING REMOVAL

FILE NAME = D160R62-stage2-07.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

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 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-8274

DESIGNED - S.J.P.
 DRAWN - B.K.
 CHECKED - M.P.
 DATE - JANUARY 17, 2013

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED TRAFFIC CONTROL AND PROTECTION
 I-55 STAGE II**

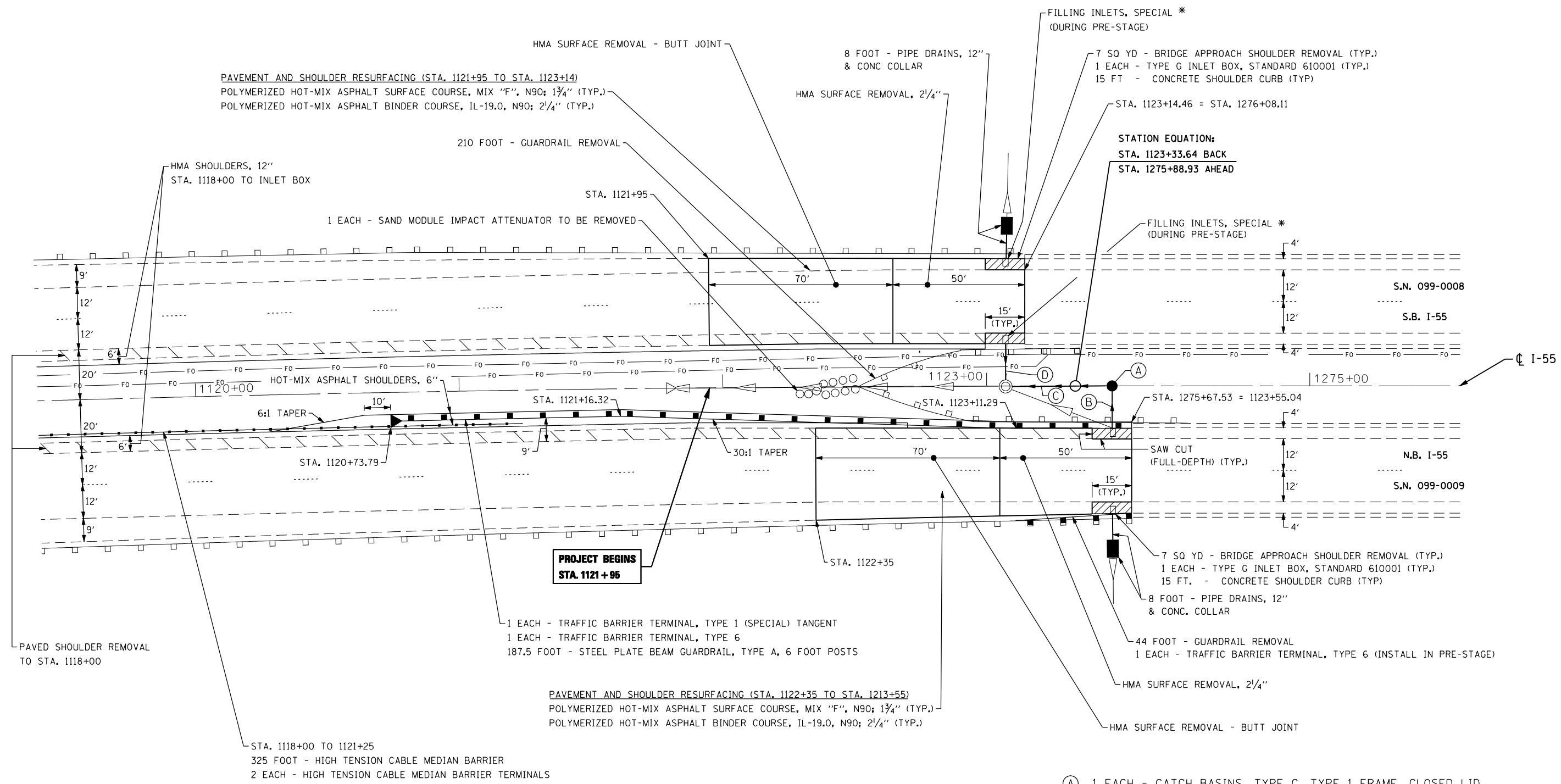
SCALE: 1" = 50' SHEET NO. 7 OF 7 SHEETS STA. 1232+00 TO STA. 1217+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	31
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R62	

MATCH LINE STA. 1217+00
SEE STAGE I FOR CONTINUATION



INLET TYPE G PLACEMENT NOTE:
 THE PROPOSED TYPE G SHALL BE INSTALLED
 8 FT FROM THE END OF PARAPET WALL TO AVOID ANY
 CONFLICT WITH THE PROPOSED TRAFFIC BARRIER TERMINAL TYPE 6 POSTS.
 THE CONTRACTOR SHALL VERIFY THIS DISTANCE WITH
 THE GUARD RAIL INSTALLATION CONTRACTOR IN THE FIELD.



* THE PAY ITEM "FILLING INLETS, SPECIAL" SHALL CONSIST OF THE FOLLOWING:
 - REMOVAL AND DISPOSAL OF THE GRATE AND ALL MATERIAL IN THE INLET.
 - PLUGGING THE OUTLET PIPE WITH BRICK AND MORTAR.
 - FILLING THE INLET WITH HMA SURFACE COURSE, MIX "D", N70 AND PLACING SURFACE COURSE TO PROVIDE A LEVEL DRIVING SURFACE ON THE SHOULDER.

- (A) 1 EACH - CATCH BASINS, TYPE C, TYPE 1 FRAME, CLOSED LID
NOTE: CONTRACTOR SHALL DETERMINE RIM AND INVERT ELEVATION PRIOR TO ORDERING STRUCTURE
- (B) 16 FOOT - PIPE DRAINS, 12"
- (C) 36 FOOT - PIPE DRAINS, 12"
- (D) 16 FOOT - PIPE DRAINS, 12"

FILE NAME = D160R62-sht-pln.dgn
 USER NAME = IDOT
 PLOT SCALE = 40,0000' / IN.
 PLOT DATE = 1/18/2013

CHRISTIAN ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
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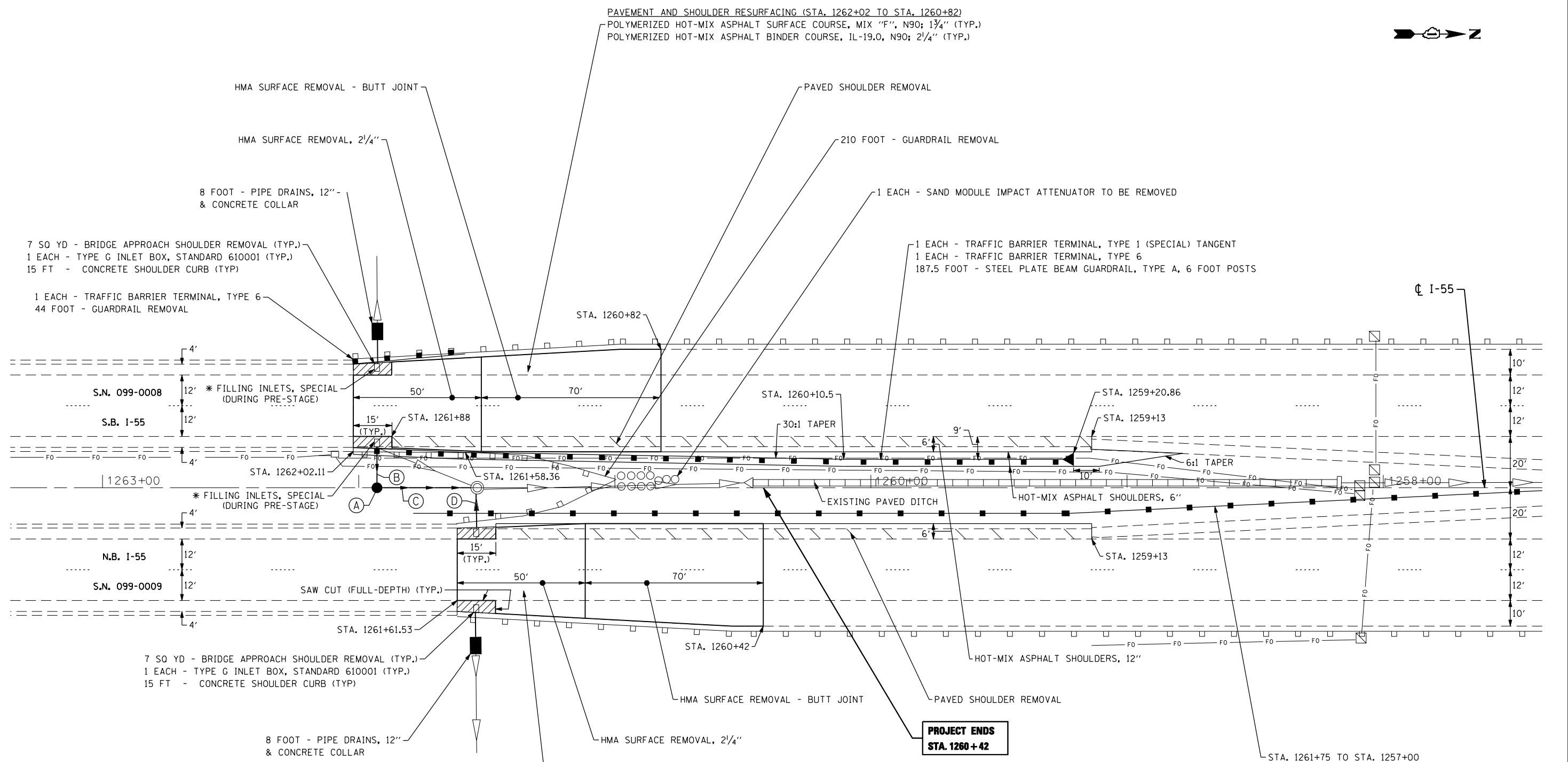
DESIGNED - S.J.P.	REVISED -
DRAWN - A.C.S.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED PLAN
 I-55**

SCALE: 1" = 20' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	32
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R62	



INLET TYPE G PLACEMENT NOTE:
 THE PROPOSED TYPE TYPE G SHALL BE INSTALLED
 8 FT FROM THE END OF PARAPET WALL TO AVOID ANY
 CONFLICT WITH THE PROPOSED TRAFFIC BARRIER TERMINAL TYPE 6 POSTS.
 THE CONTRACTOR SHALL VERIFY THIS DISTANCE WITH
 THE GUARD RAIL INSTALLATION CONTRACTOR IN THE FIELD.

PAVEMENT AND SHOULDER RESURFACING (STA. 1261+61 TO STA. 1260+42)
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90; 1 3/4" (TYP.)
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90; 2 1/4" (TYP.)

STA. 1261+75 TO STA. 1257+00
 475 FOOT - HIGH TENSION CABLE MEDIAN BARRIER
 2 EACH - HIGH TENSION CABLE MEDIAN BARRIER TERMINALS

- (A) 1 EACH - CATCH BASINS, TYPE C, TYPE 1 FRAME, CLOSED LID
- (B) 16 FOOT - PIPE DRAINS, 12"
- (C) 36 FOOT - PIPE DRAINS, 12"
- (D) 16 FOOT - PIPE DRAINS, 12"

* THE PAY ITEM "FILLING INLETS, SPECIAL" SHALL CONSIST OF THE FOLLOWING:
 - REMOVAL AND DISPOSAL OF THE GRATE AND ALL MATERIAL IN THE INLET.
 - PLUGGING THE OUTLET PIPE WITH BRICK AND MORTAR.
 - FILLING THE INLET WITH HMA SURFACE COURSE, MIX "D", N70 AND PLACING SURFACE COURSE TO PROVIDE A LEVEL DRIVING SURFACE ON THE SHOULDER.

NOTE: CONTRACTOR SHALL DETERMINE RIM AND INVERT ELEVATION PRIOR TO ORDERING STRUCTURE

FILE NAME = D160R62-sht-plan2.dgn
 USER NAME = IDOT
 PLOT SCALE = 40,0000 / IN.
 PLOT DATE = 1/18/2013

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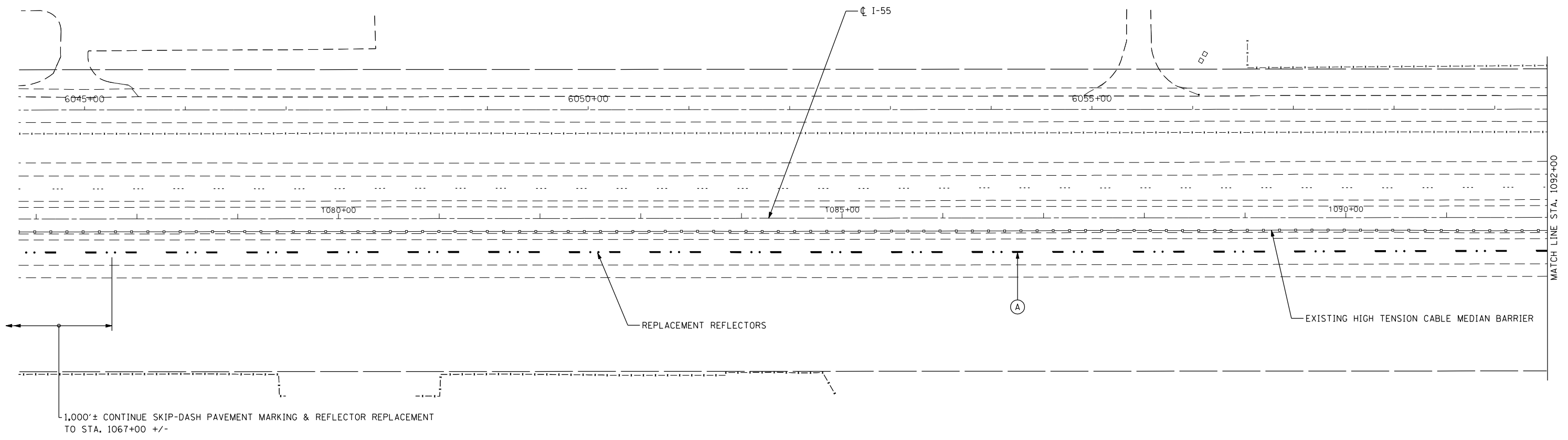
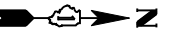
DESIGNED - S.J.P.	REVISED -
DRAWN - A.C.S.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED PLAN
 I-55**

SCALE: 1" = 20' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	33
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R62	



LEGEND

- (A) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE C-LINE 5" (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (D) PROP. SHOULDER RUMBLE STRIPS, 16 INCH (TYP.) (INSTALL AT END OF STAGE II)

FILE NAME = D160R62-sht-pm01.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-8274

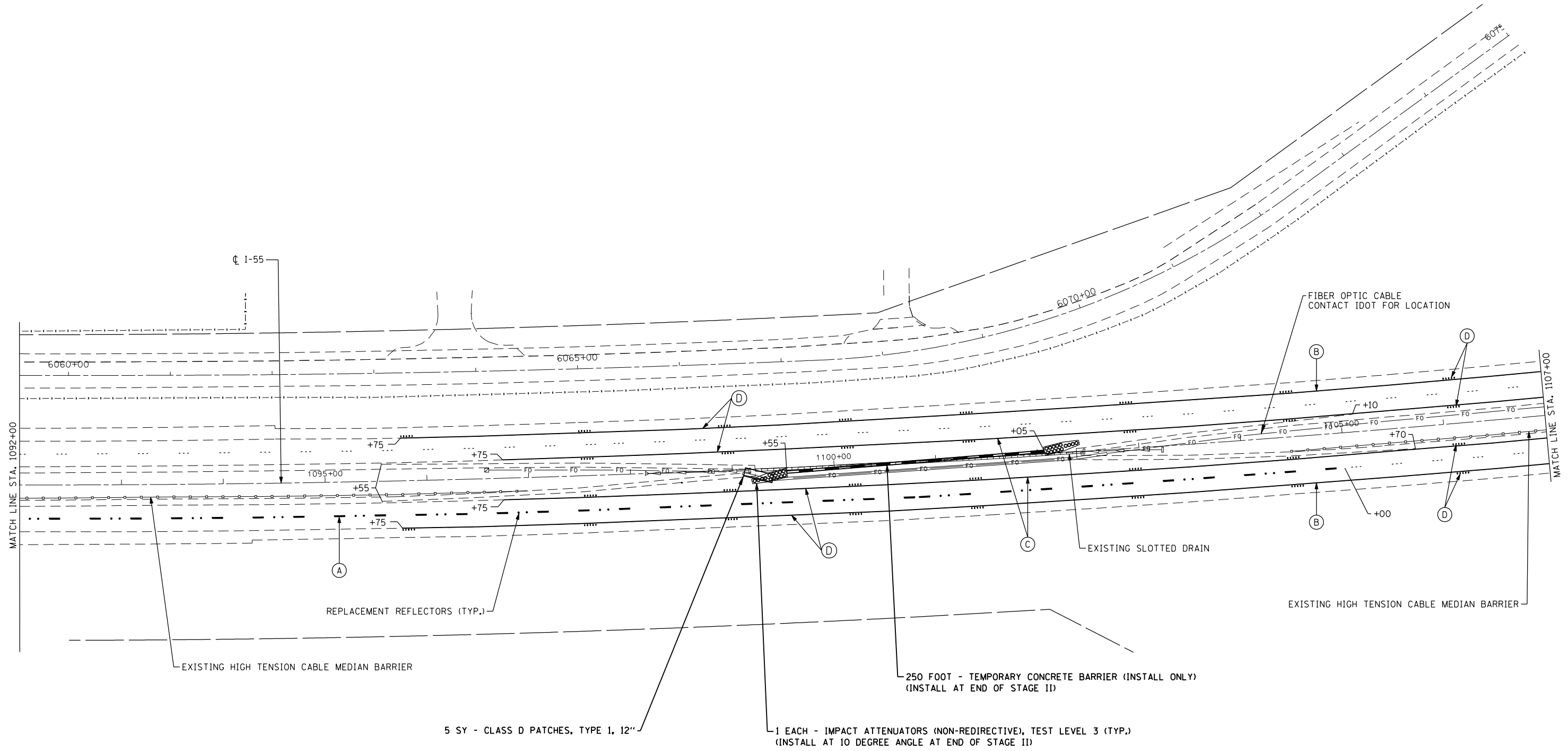
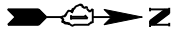
DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN
 I-55**

SCALE: 1" = 50' SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	34
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

- (A) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE C-LINE 5" (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (D) PROP. SHOULDER RUMBLE STRIPS, 16 INCH (TYP.) (INSTALL AT END OF STAGE II)

FILE NAME = D160R62-sht-pm02.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-8274

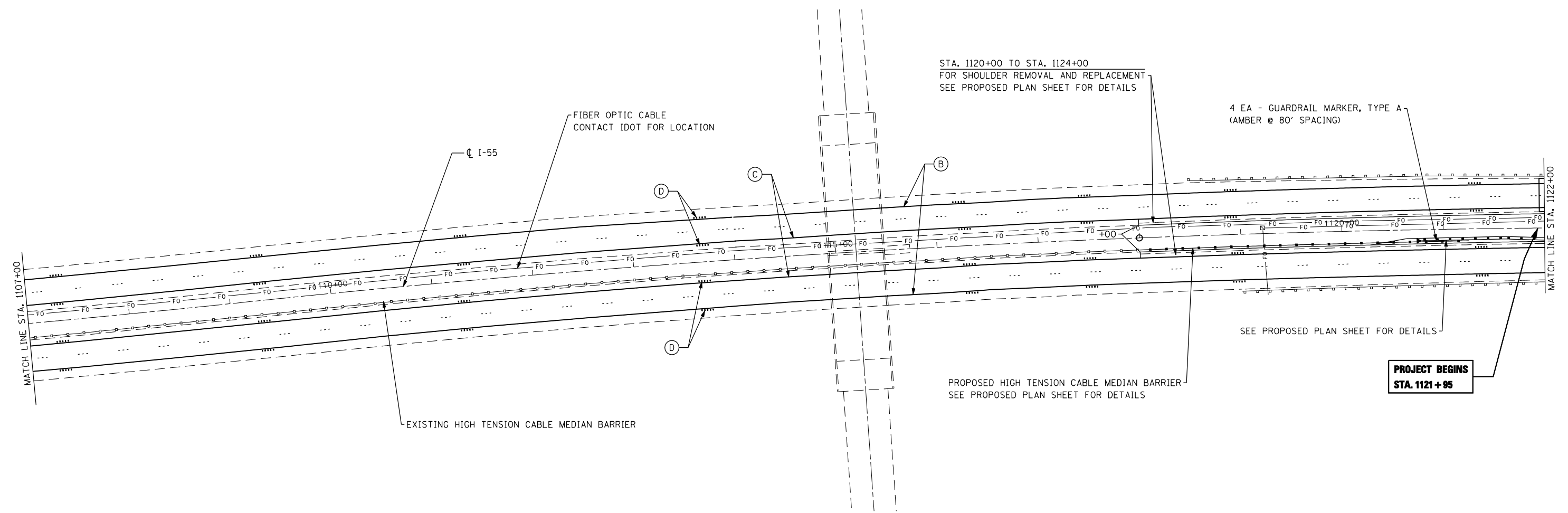
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DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN
 I-55**

SCALE: 1" = 50' SHEET NO. 2 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	35
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- (A) PROP. REFORMED PLASTIC PAVEMENT MARKING, TYPE C-LINE 5" (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (D) PROP. SHOULDER RUMBLE STRIPS, 16 INCH (TYP.) (INSTALL AT END OF STAGE II)

FILE NAME = D160R62-sht-pm03.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-8274

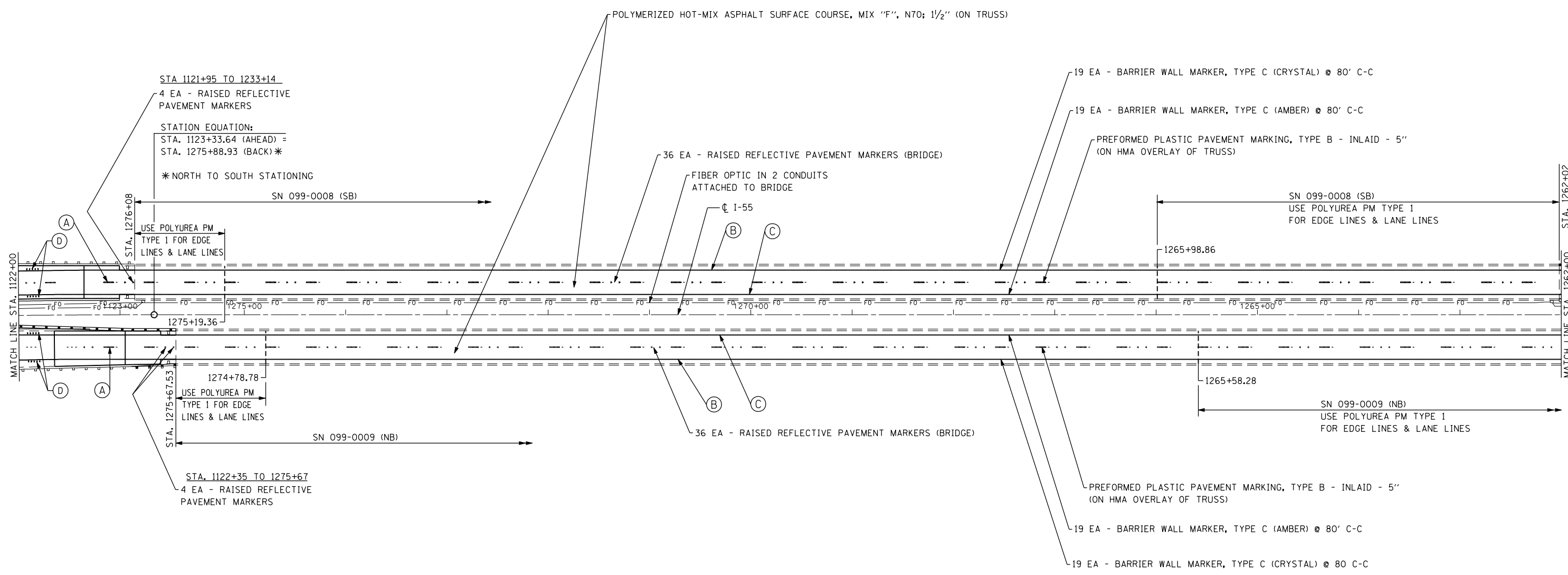
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DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN
 I-55**

SCALE: 1" = 50' SHEET NO. 3 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	36
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



STA. 1120+00 TO STA. 1124+00
SEE PROPOSED PLAN SHEET FOR DETAILS

LEGEND

- (A) PROP. REFORMED PLASTIC PAVEMENT MARKING, TYPE C-LINE 5" (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (D) PROP. SHOULDER RUMBLE STRIPS, 16 INCH (TYP.) (INSTALL AT END OF STAGE II)

FILE NAME = D160R62-sht-pm04.dgn
USER NAME = IDOT
PLOT SCALE = 100.0000' / IN.
PLOT DATE = 1/18/2013

CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-8274

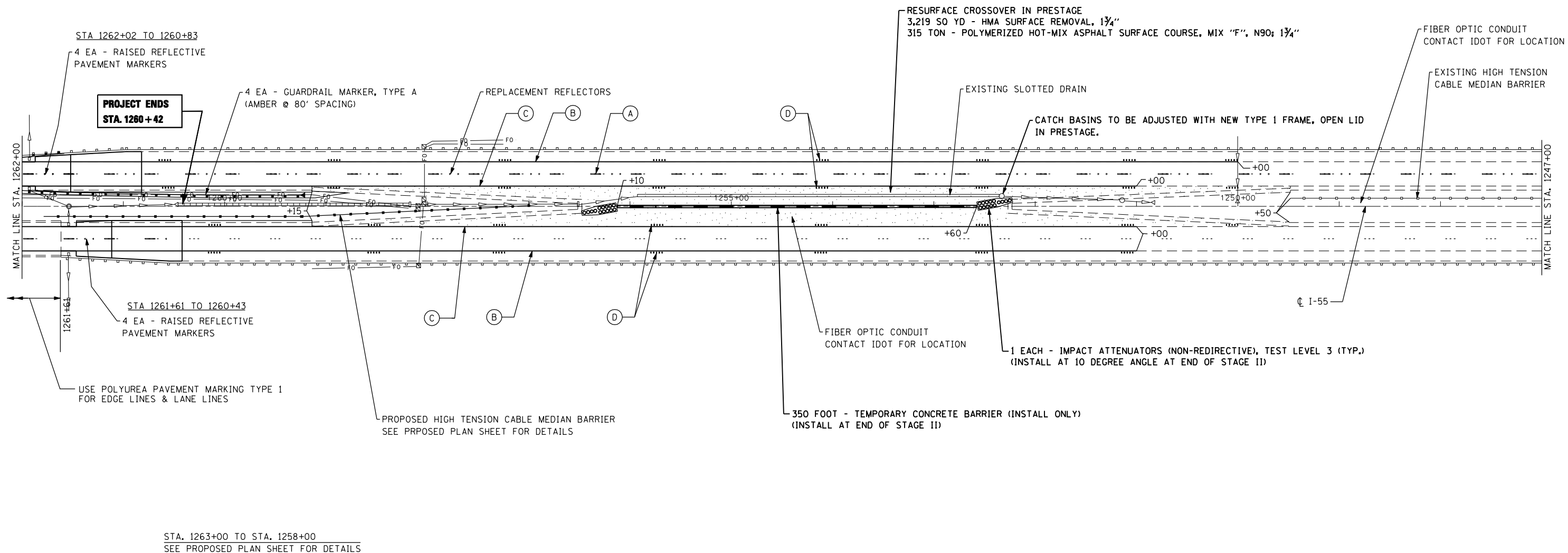
DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN
I-55**

SCALE: 1" = 50' SHEET NO. 4 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	37
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

- (A) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE C-LINE 5" (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (D) PROP. SHOULDER RUMBLE STRIPS, 16 INCH (TYP.) (INSTALL AT END OF STAGE II)

FILE NAME = D160R62-sht-pm05.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

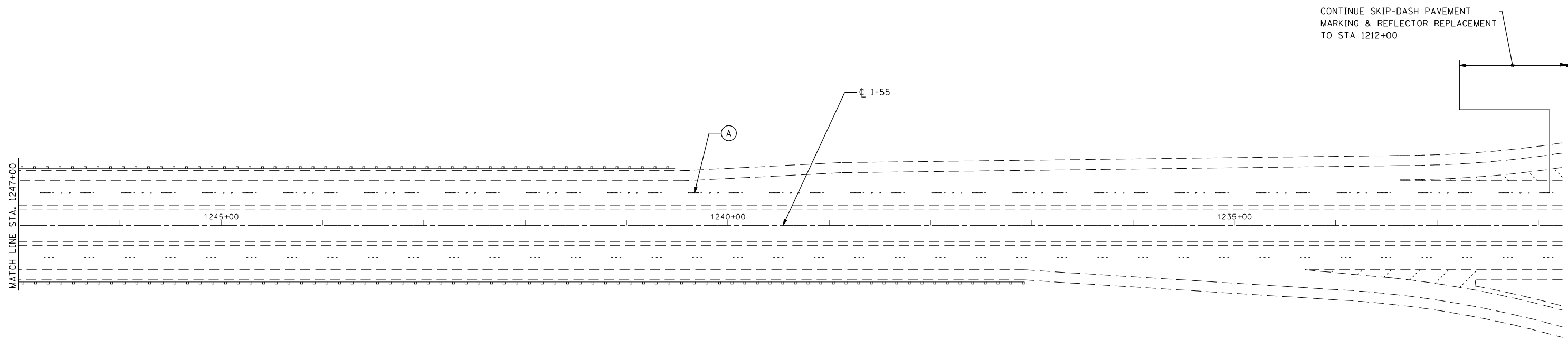
CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-8274

DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY AND PAVEMENT MARKING PLAN
I-55
 SCALE: 1" = 50' SHEET NO. 5 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	38
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

- (A) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE C-LINE 5" (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (D) PROP. SHOULDER RUMBLE STRIPS, 16 INCH (TYP.) (INSTALL AT END OF STAGE II)

FILE NAME = D160R62-sht-pm06.dgn
 USER NAME = IDOT
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/18/2013

CR & A
CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-8274

DESIGNED - S.J.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - JANUARY 17, 2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN
 I-55**

SCALE: 1" = 50' SHEET NO. 6 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	39
CONTRACT NO. 60R62				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

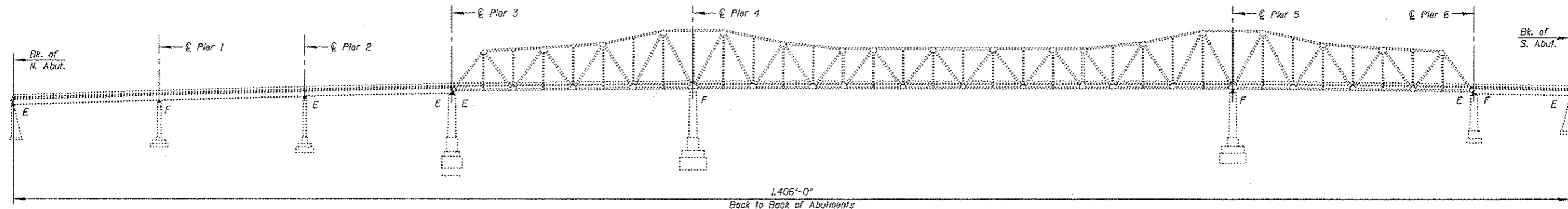
EXISTING STRUCTURE:

S.N. 099-0008 (S.B.) & S.N. 099-0009 (N.B.) built in 1956 as F.A. Rte. 77, Sec. 87B, D-E-F-P at Sta. 38+552.573. Each structure consists of a three span cantilever truss with a simple span and a three span riveted girder approach supported on reinforced concrete spill thru abutments and reinforced concrete frame piers. The truss span and approach span decks were replaced in 1978. Truss link bearings at Piers 3 and 6 on Southbound structure were replaced in 1994. Expansion joints were replaced and truss grid deck was overlaid in 1997 Interim Repairs. In 1999, repairs included replacement of expansion joints, floor drain extensions, plugging of floor drains, thin polymer overlay, cover plate retrofits, installation of slope protection system and pin & link bearing refurbishing. In 2005 structural steel repairs and expansion joint replacement was performed. In 2010 partial depth patching was performed on the overlay in the truss spans.

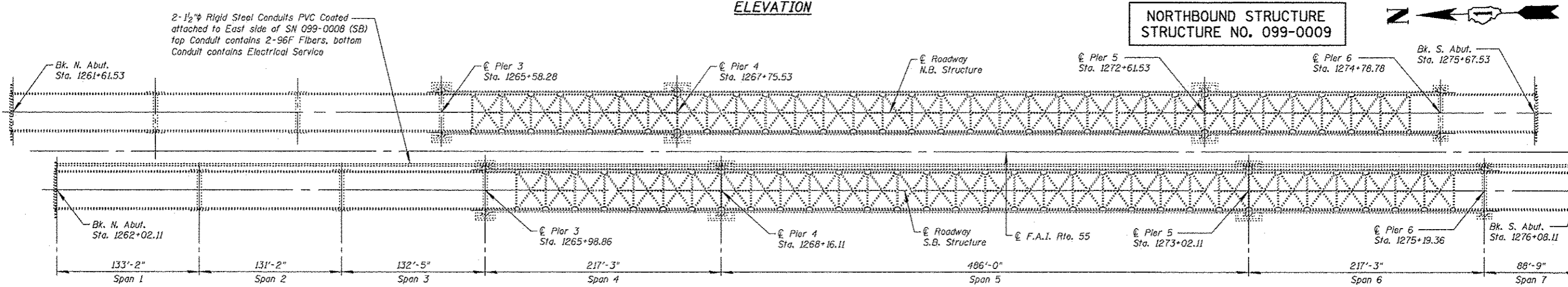
One bridge shall be closed while repair work is being performed, with traffic running northbound & southbound on the opposite bridge. Staging of the traffic on the open bridge will be aided by median cross-overs at the north and south ends of the bridge. No salvage.

SCOPE OF WORK:

1. Reconstruct expansion joints at piers 3 & 6 and panel point L13.
2. Remove and replace silicone joint sealer at abutments and nine truss span locations.
3. Perform full depth deck repairs.
4. Perform parapet repairs.
5. Replace deck drains in truss spans.
6. Perform structural steel repairs.
7. Scarify and place latex concrete overlay on approach spans.
8. Remove and replace HMA overlay with waterproofing system on truss spans.
9. Perform structural repair of concrete on piers & abutments.



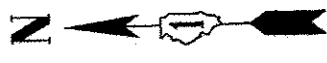
ELEVATION



PLAN

**NORTHBOUND STRUCTURE
STRUCTURE NO. 099-0009**

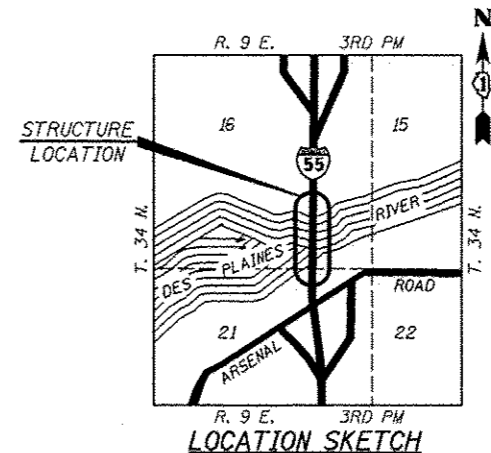
**SOUTHBOUND STRUCTURE
STRUCTURE NO. 099-0008**



Bhadresh N. Shah
 BHADRESH N. SHAH JAN. 16, 2013
 LICENSED STRUCTURAL ENGINEER
 STATE OF ILLINOIS LIC. No. 081-004476
 EXPIRES: 11-30-14

**GENERAL PLAN & ELEVATION
 I-55 OVER DES PLAINES RIVER
 F.A.I. RTE. 55
 SEC. 87 (B,D,E,F & P) I-7
 WILL COUNTY
 STATION 1268+84.82
 STRUCTURE NO. 099-0008 (S.B.)
 STRUCTURE NO. 099-0009 (N.B.)**

DESIGN STRESSES
 $f'_c = 3,500 \text{ psi}$
 $f_y = 36,000 \text{ psi (Structural Steel)}$
 $f_y = 60,000 \text{ psi (Reinforcement)}$



BRIDGE INSPECTORS MUST HAVE ACCESS TO THESE STRUCTURES TO PERFORM THEIR SCHEDULED NBIS INSPECTION IN AUGUST OF 2013

FILE NAME = I:\103103.1-55 over Des Plaines Structural\CADD Sheets\0160662-01-SP.E.dgn

CHRISTIAN-ROGE & ASSOCIATES, INC.

USER NAME = IDOT	DESIGNED - J.C.N./B.N.S./J.W.	REVISED -
PLOT SCALE = 50.0000' / IN.	CHECKED - B.N.S./J.W.	REVISED -
PLOT DATE = 1/17/2013	DRAWN - F.M.	REVISED -
	DATE - JANUARY 16, 2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHEET NO. 51 OF 560 SHEETS

F.A.I. RTE. 55	SECTION 87B, D-BR-I	COUNTY WILL	TOTAL SHEETS 106	SHEET NO. 40
			CONTRACT NO. 60R62	
ILLINOIS FED. AID PROJECT				

TOTAL BILL OF MATERIAL

DESCRIPTION	UNIT	SUPER.	SUB.	TOTAL
Polymerized Hot-Mix Asphalt Surface Course, Mix "F", N70	Ton	612		612
Concrete Removal	Cu Yd	76.9		76.9
Floor Drains	Each	112		112
Plug Existing Deck Drains	Each	80		80
Concrete Superstructure	Cu Yd	79.0		79.0
Bridge Deck Grooving	Sq Yd	3,292		3,292
Structural Steel Repair	Pound	8,830		8,830
Cleaning and Painting Structural Steel, Location 1	L Sum	1		1
Reinforcement Bars, Epoxy Coated	Pound	12,660		12,660
Performed Joint Strip Seal	Foot	144		144
Hot-Mix Asphalt Surface Removal (Deck)	Sq Yd	7,296		7,296
Bridge Deck Latex Concrete Overlay, 2 1/2 Inches	Sq Yd	3,508		3,508
Bridge Deck Scarification 3/4"	Sq Yd	3,508		3,508
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq Ft	250	2,177	2,427
Deck Slab Repair (Full Depth, Type I)	Sq Yd	30		30
Deck Slab Repair (Full Depth, Type II)	Sq Yd	40		40
Deck Slab Repair (Partial)	Sq Yd	832		832
Steel Post, Attached To Structures	Each	200		200
Silicone Joint Sealer, 2.75"	Foot	648		648
Remove and Reinstall Existing Aluminum Parapet	Foot	3,684		3,684
Modular Expansion Joint 6"	Foot	108		108
Waterproofing Membrane System (Special)	Sq Yd	7,296		7,296
Containment and Disposal of Lead Paint Cleaning Residues No. 1	L Sum	1		1

*Includes quantities for spans 4 thru 6 each structure

GENERAL NOTES:

Fasteners shall be ASTM A325, Type 1, Mechanically galvanized bolts. 3/4" bolts, 1/2" holes, unless otherwise noted.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that can not be removed by grinding 1/4 in. deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

The Contractor shall test the existing welds by non-destructive methods within 2 ft. of the end of the existing cover plates for cracks after removal of the existing concrete deck. Dye penetrant (PT) magnetic particles (MT) or other approved testing method shall be performed by qualified personnel approved by the Engineer. If cracks are found, report them to the Bureau of Bridges and Structures for disposition. The cost of testing is included in Removal of Existing Concrete Deck. The cost of crack repair, if necessary, will be paid for according to Article 109.04 of the Standard Specifications.

No field welding is permitted except as specified in the contract documents.

Slip forming of the parapets is not allowed.

Reinforcement bars designated (E) shall be epoxy coated.

All structural steel shall conform to AASHTO classification M-270 GR. 36, unless otherwise noted.

Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on as-built plans.

Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with concrete removal.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures."

Diaphragm connection holes shall be 1/8" for 3/4" bolts. Two hardened washers shall be required at diaphragm connections.

GENERAL NOTES FOR PAINT:

Clean and paint steel elements under all deck truss joints. Paint all truss members and attached vertical & horizontal gusset plates within the splash zone of the deck up to 12'-0" above the top of deck. Also paint 5'-0" from beam ends in the approach spans at both abutments and at the piers adjacent to the truss. Full paint removal (SSPC-SPI0) is recommended.

Cleaning and painting of the existing structural steel shall be as specified in the Special Provision for "Cleaning and Painting Existing Steel Structures".

A minimum of four (4) air monitors will be required to monitor abrasive blasting operations per location. See Special Provisions for containment and disposal of lead paint cleaning residue.

The SSPC-QP1 and SSPC-QP2 painting Contractor certifications will be required for these bridges.

The areas designated to be cleaned per near white blast cleaning SSPC-SPI0 shall be painted according to the requirements of Paint System I-OZ/E/U. The color of the final finish coat shall be Gray, Munsell No. 5B 7/1.

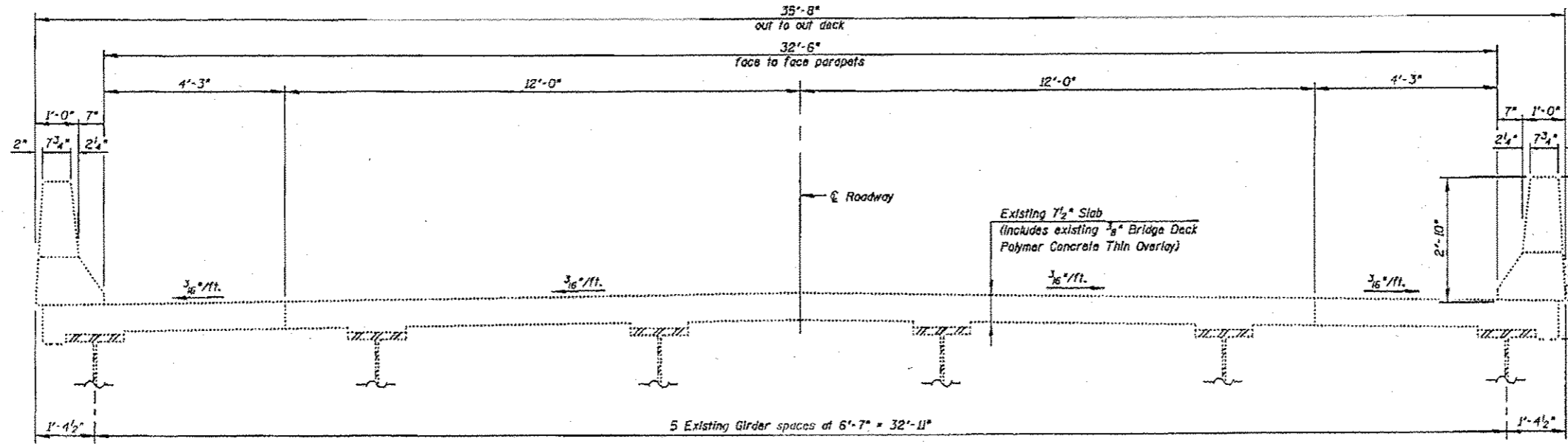
All items, such as, but not limited to, conduits, brackets & deck drains attached to the outside of the fascia beams should be cleaned and painted.

INDEX OF SHEETS

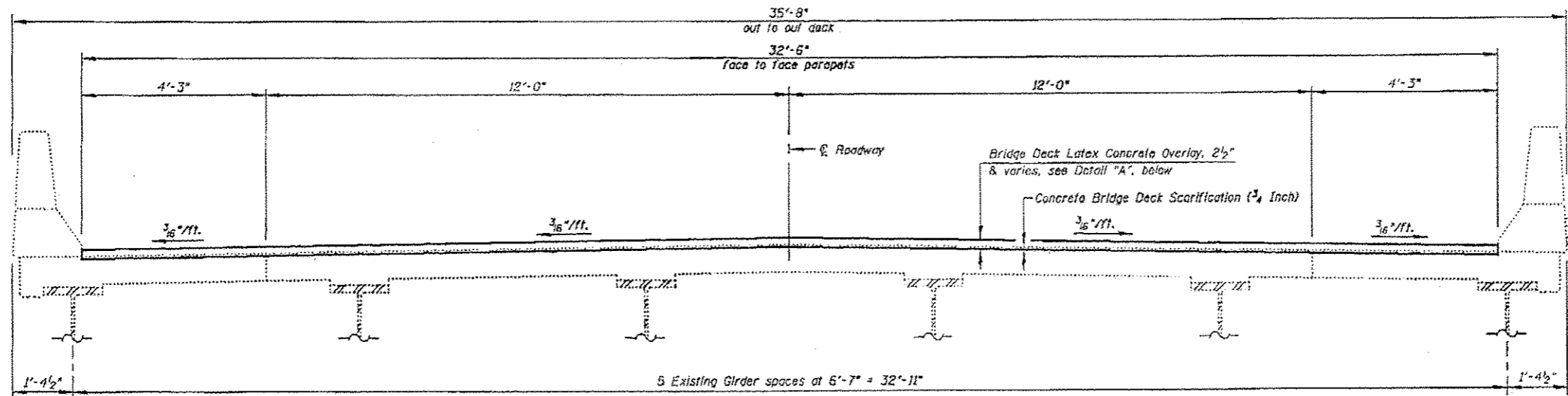
- S1 GENERAL PLAN & ELEVATION
- S2 GENERAL NOTES & TOTAL BILL OF MATERIAL
- S3 CROSS SECTIONS - APPROACH SPANS
- S4 CROSS SECTIONS - TRUSS SPANS
- S5 DECK PLAN REPAIRS - SOUTHBOUND-I
- S6 DECK PLAN REPAIRS - SOUTHBOUND-II
- S7 DECK PLAN REPAIRS - SOUTHBOUND-III
- S8 DECK PLAN REPAIRS - SOUTHBOUND-IV
- S9 DECK PLAN REPAIRS - SOUTHBOUND-V
- S10 DECK PLAN REPAIRS - NORTHBOUND-I
- S11 DECK PLAN REPAIRS - NORTHBOUND-II
- S12 DECK PLAN REPAIRS - NORTHBOUND-III
- S13 DECK PLAN REPAIRS - NORTHBOUND-IV
- S14 DECK PLAN REPAIRS - NORTHBOUND-V
- S15 PARAPET REPAIRS - APPROACH SPANS - SOUTHBOUND
- S16 PARAPET REPAIRS - APPROACH SPANS - NORTHBOUND
- S17 FLOOR DRAIN LOCATIONS
- S18 FLOOR DRAIN REPLACEMENT DETAILS
- S19 SILICONE JOINT SEALER DETAILS
- S20 ALUMINUM PARAPET DETAILS-I
- S21 ALUMINUM PARAPET DETAILS-II
- S22 EXPANSION JOINT RECONSTRUCTION AT NORTH & SOUTH ABUTMENTS-I
- S23 EXPANSION JOINT RECONSTRUCTION AT NORTH & SOUTH ABUTMENTS-II
- S24 EXPANSION JOINT RECONSTRUCTION AT PIER 3-NORTHBOUND-I
- S25 EXPANSION JOINT RECONSTRUCTION AT PIER 3-NORTHBOUND-II
- S26 EXPANSION JOINT RECONSTRUCTION AT L13-NORTHBOUND-I
- S27 EXPANSION JOINT RECONSTRUCTION AT L13-NORTHBOUND-II
- S28 EXPANSION JOINT RECONSTRUCTION AT PIER 6-NORTHBOUND-I
- S29 EXPANSION JOINT RECONSTRUCTION AT PIER 6-NORTHBOUND-II
- S30 MODULAR EXPANSION JOINT DETAILS AT PIERS 3 & 6-NORTHBOUND
- S31 MODULAR EXPANSION JOINT DETAILS AT L13-NORTHBOUND
- S32 FRAMING PLAN - SOUTHBOUND-I
- S33 FRAMING PLAN - SOUTHBOUND-II
- S34 FRAMING PLAN - SOUTHBOUND-III
- S35 FRAMING PLAN - SOUTHBOUND-IV
- S36 FRAMING PLAN - SOUTHBOUND-V
- S37 FRAMING PLAN - NORTHBOUND-I
- S38 FRAMING PLAN - NORTHBOUND-II
- S39 FRAMING PLAN - NORTHBOUND-III
- S40 FRAMING PLAN - NORTHBOUND-IV
- S41 FRAMING PLAN - NORTHBOUND-V
- S42 STRUCTURAL STEEL REPAIRS-TABLE I
- S43 STRUCTURAL STEEL REPAIRS-TABLE II
- S44 STRUCTURAL STEEL REPAIRS-TABLE III
- S45 STRUCTURAL STEEL REPAIRS-I
- S46 STRUCTURAL STEEL REPAIRS-II
- S47 STRUCTURAL STEEL REPAIRS-III
- S48 STRUCTURAL STEEL REPAIRS-IV
- S49 STRUCTURAL STEEL REPAIRS-V
- S50 STRUCTURAL STEEL REPAIRS-VI
- S51 STRUCTURAL STEEL REPAIRS-VII
- S52 NORTH & SOUTH ABUTMENT REPAIRS - SOUTHBOUND
- S53 NORTH & SOUTH ABUTMENT REPAIRS - NORTHBOUND
- S54 PIERS 1 & 2 REPAIRS - SOUTHBOUND
- S55 PIERS 3 & 4 REPAIRS - SOUTHBOUND
- S56 PIERS 5 & 6 REPAIRS - SOUTHBOUND
- S57 PIERS 1 & 2 REPAIRS - NORTHBOUND
- S58 PIERS 3 & 4 REPAIRS - NORTHBOUND
- S59 PIERS 5 & 6 REPAIRS - NORTHBOUND
- S60 PREFORMED JOINT STRIP SEAL

FILE NAME: I:\N03103.1-55\over Des Plans\Structural\CA00_Sheets\N030862-02-gcn_notes.dgn

	USER NAME: p...@mhs	DESIGNED: J.C.N./B.N.S./J.W.	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & TOTAL BILL OF MATERIAL STRUCTURE NO'S. 099-0008 & 099-0009	F.A.I. RIE: 55	SECTION: 87B, 0-BR-1	COUNTY: WILL	TOTAL SHEETS: 106	SHEET NO.: 41
	PLOT SCALE: 1/8"=1'-0" (1/8"=1'-0")	CHECKED: B.N.S./J.W.	DRAWN: F.M.			REVISED: -	CONTRACT NO. 60R62		ILLINOIS FED. AID PROJECT	
	PLOT DATE: 3/21/2013	DATE: MARCH 20, 2013	REVISED: -	SHEET NO. 52 OF 560 SHEETS						

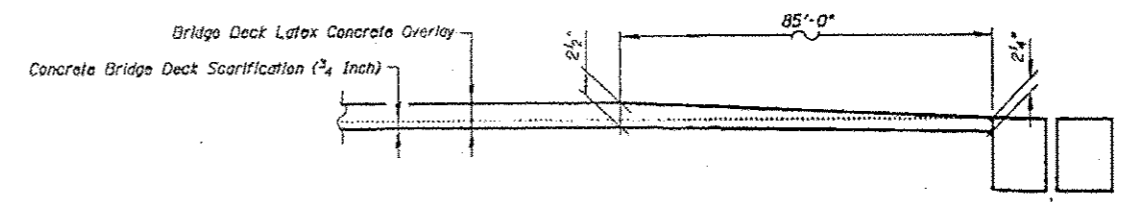


EXISTING DECK CROSS SECTION THRU APPROACH SPANS
Spans 1, 2, 3 & 7



PROPOSED DECK CROSS SECTION THRU APPROACH SPANS
Spans 1, 2, 3 & 7

NOTE
(For S.H. 099-0008 (South Bound))
2-1/2" Rigid Steel Conduits PVC Coated attached to East side of the Parapet Wall. The Contractor shall temporarily support the conduits, at the bridge joints, while the Parapets are being replaced. Cast included with Concrete Removal.



DETAIL "A"

Notes
See Proposed Sections on Sheets S25 & S29.
Cost of additional scarification in this area included with Concrete Bridge Deck Scarification (3/4 Inch).

FILE NAME = I:\B30831-85 over Des Planes\Structural\CRG\Sheet\0160862-83-rsect-appro.dgn

CHRISTIAN-ROGE & ASSOCIATES, INC.

USER NAME = IDGT	DESIGNED - J.C.N./B.N.S./J.W.	REVISED -
PLLOT SCALE = 50.000000' / IN.	CHECKED - B.N.S./J.W.	REVISED -
PLLOT DATE = 3/19/2013	DRAWN - F.M.	REVISED -
	DATE - MARCH 20, 2013	REVISED -

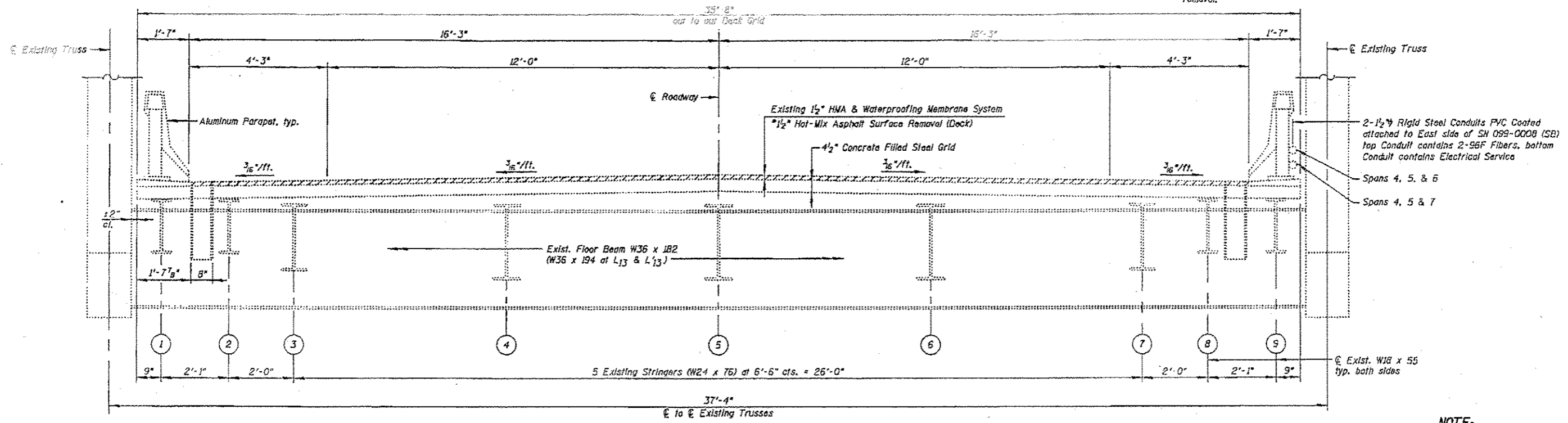
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS-APPROACH SPANS
STRUCTURE NO'S. 099-0008 & 099-0009**

SHEET NO. 53 OF 560 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	8TB, D-BR-1	WILL	106	42
			CONTRACT NO. 60R62	
ILLINOIS FED. AID PROJECT				

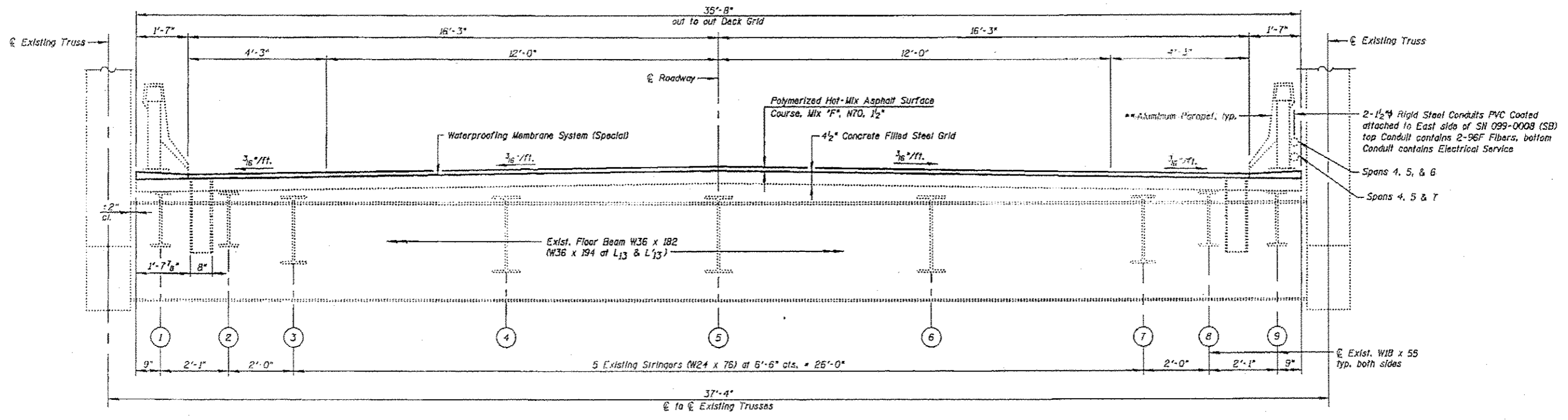
*Remove by scraping. The existing steel grid shall not be disturbed or damaged during the removal.



EXISTING CROSS SECTION THRU TRUSS STRUCTURE
Spans 4, 5 & 6

** Aluminum Parapet to be removed and reinstalled after Hot-Mix Asphalt and Concrete Methacrylate Sealer have been applied to the deck

NOTE:
(For S.N. 099-0008 (Southbound))
2-1 1/2" Rigid Steel Conduits PVC Coated attached to east side of the Aluminum Parapet. The Contractor shall temporarily support the conduits while the Aluminum Parapets are being reset. Cost Included with Remove and Reset Aluminum Parapet.



PROPOSED CROSS SECTION THRU TRUSS STRUCTURE
Spans 4, 5 & 6

FILE NAME: I:\102103.1-55.dwg User: Das Plotter: Structural\CAD\Shots\102103-55-struct-truss.dwg

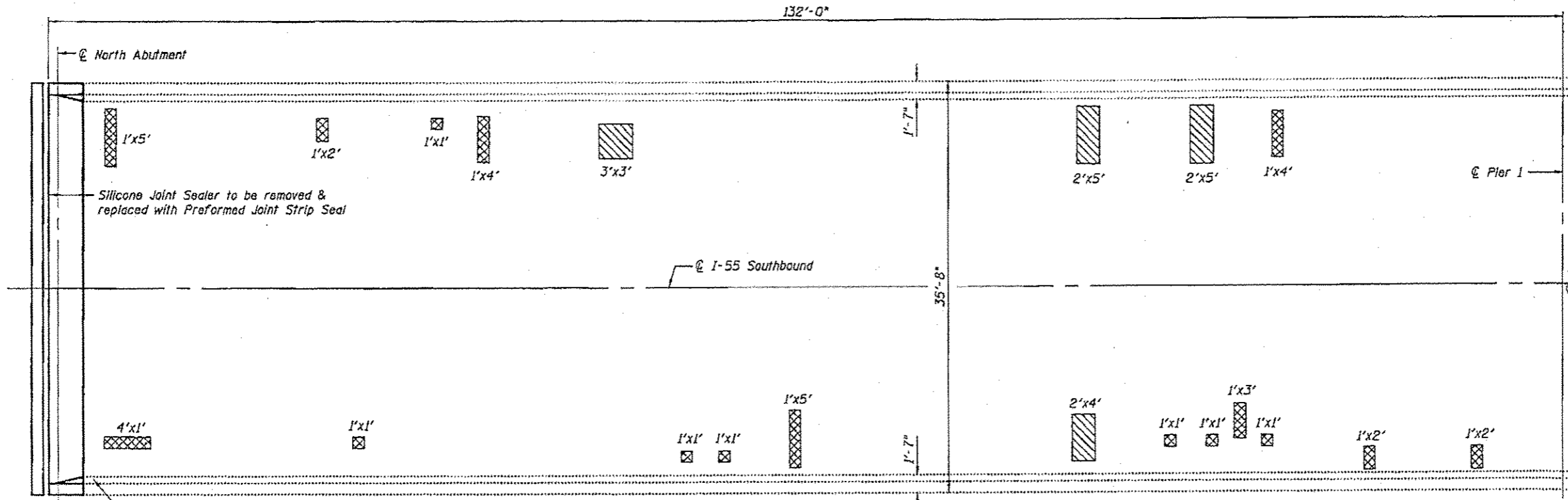
CHRISTIAN-ROGE & ASSOCIATES, INC.

USER NAME = 100T	DESIGNED - J.C.N./B.N.S./J.W.	REVISED -
PLOT SCALE = 5/8" = 1'-0"	CHECKED - B.N.S./J.W.	REVISED -
PLOT DATE = 3/19/2013	DRAWN - F.M.	REVISED -
	DATE - MARCH 20, 2013	REVISED -

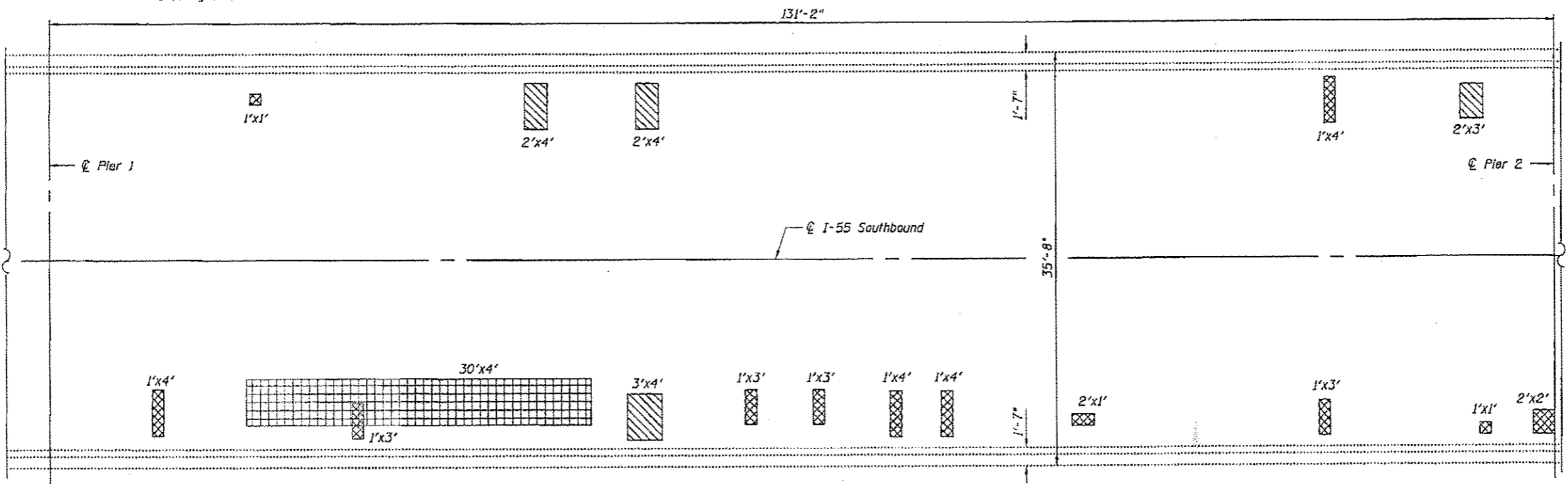
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS-TRUSS SPANS
STRUCTURE NO'S. 099-0008 & 099-0009**
SHEET NO. 54 OF 560 SHEETS




F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-8R-1	WILL	106	43
			CONTRACT NO. 60R62	
ILLINOIS FED. AID PROJECT				



DECK PLAN - SPAN 1



DECK PLAN - SPAN 2

- LEGEND:**
-  Deck Slab Repair (Full Depth, Type I)
 -  Deck Slab Repair (Full Depth, Type II)
 -  *Deck Slab Repair (Partial)
- *For Information Only
in Spans 1 & 2

BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Deck Slab Repair (Full Depth, Type I)	Sq Yd	9
Deck Slab Repair (Full Depth, Type II)	Sq Yd	8

FILE NAME = I:\102103.1-55 over Des Plans\Structural\CARD Sheets\166R62-55-SB DR. Plan-1.dgn

CHRISTIAN-ROGE & ASSOCIATES, INC.

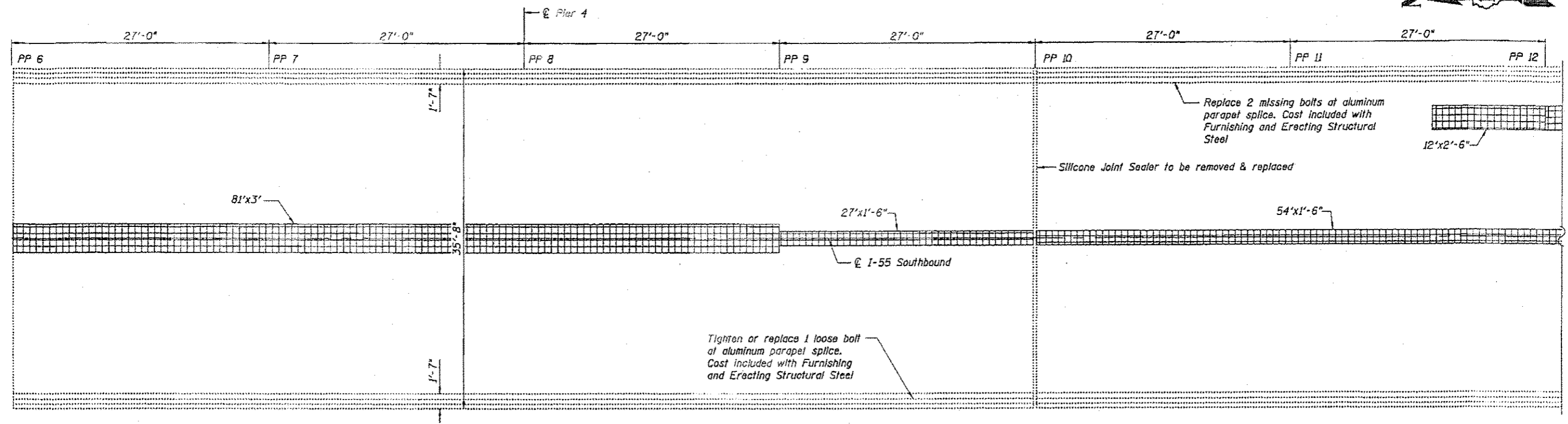
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	DATE - JANUARY 16, 2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

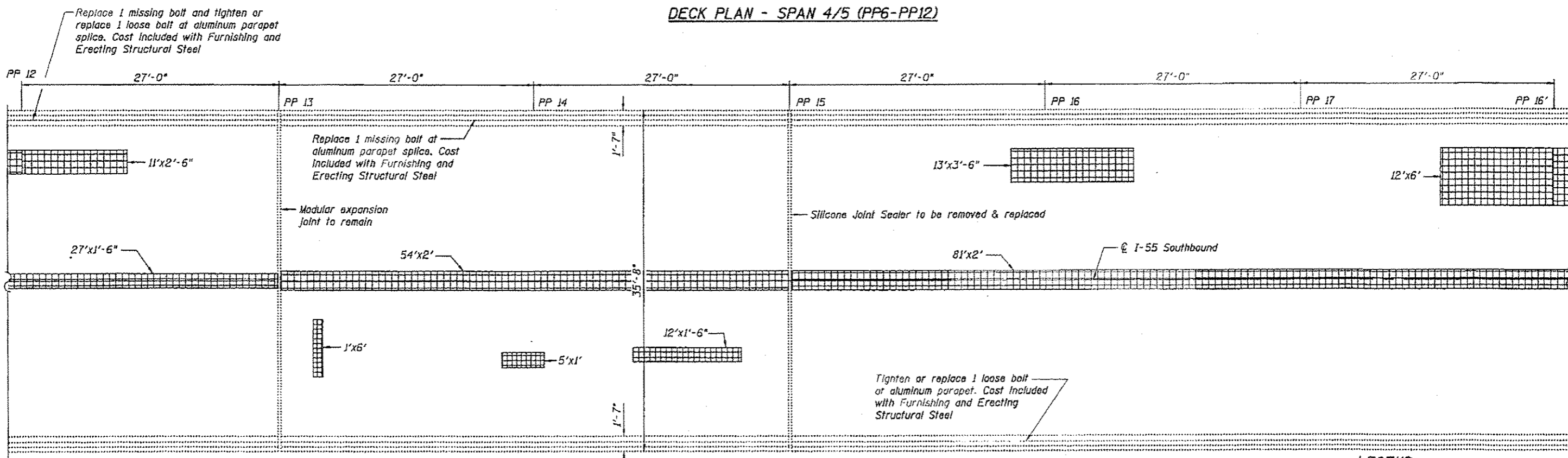
**DECK PLAN REPAIRS - SOUTHBOUND-1
STRUCTURE NO. 099-0008**

SHEET NO. 55 OF 560 SHEETS

P.A.I. R/E	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	44
			CONTRACT NO. 60R62	
ILLINOIS FED. AID PROJECT				



DECK PLAN - SPAN 4/5 (PP6-PP12)



DECK PLAN - SPAN 5 (PP12-PP16')

BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Deck Slab Repair (Partial)	sq Yd	98

LEGEND:

- Deck Slab Repair (Full Depth, Type I)
- Deck Slab Repair (Full Depth, Type II)
- Deck Slab Repair (Partial)

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CHRISTIAN-ROGE & ASSOCIATES, INC.

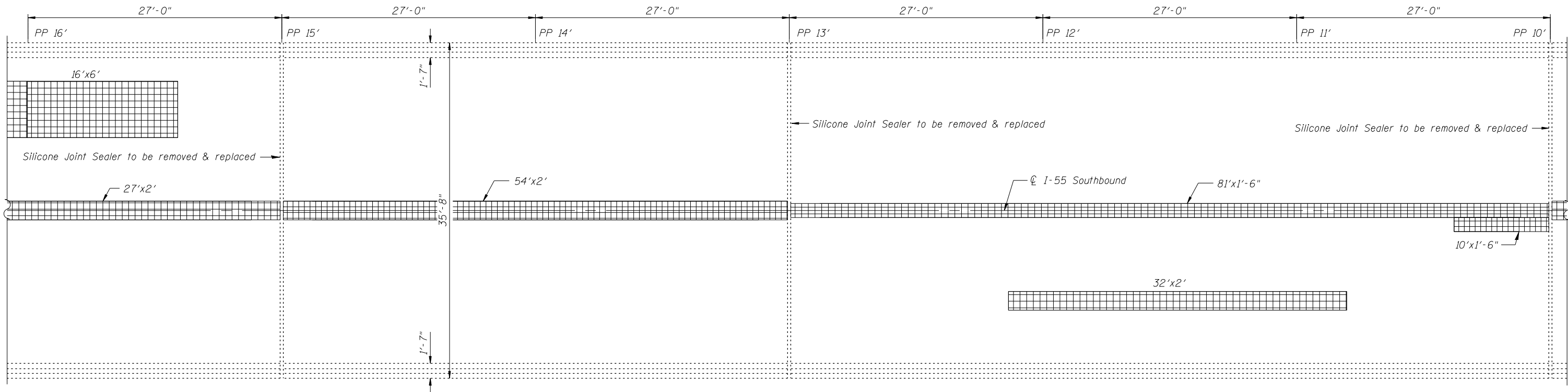
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	DATE - JANUARY 16, 2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

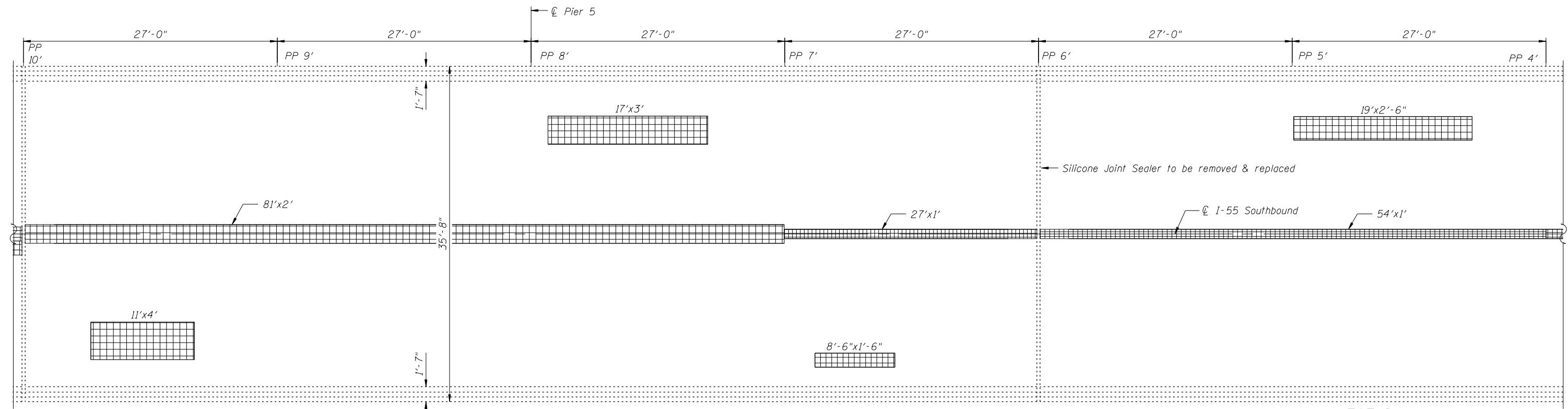
**DECK PLAN REPAIRS - SOUTHBOUND-III
STRUCTURE NO. 099-0008**

SHEET NO. 57 OF 560 SHEETS

F.A.I. RTE. 55	SECTION 87B, D-BR-1	COUNTY WILL	TOTAL SHEETS 106	SHEET NO. 46
			CONTRACT NO. 60R62	
ILLINOIS FED. AID PROJECT				



DECK PLAN - SPAN 5 (PP16'-PP10')



DECK PLAN - SPAN 5/6 (PP10'-PP4')

BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Deck Slab Repair (Partial)	sq Yd	95

LEGEND:

- Deck Slab Repair (Full Depth, Type I)
- Deck Slab Repair (Full Depth, Type II)
- Deck Slab Repair (Partial)

FILE NAME = :I:\03103.1-55 over des planes\Structural\CADD Sheets\160R62-08-SB.Dk.Plan-IV.dgn



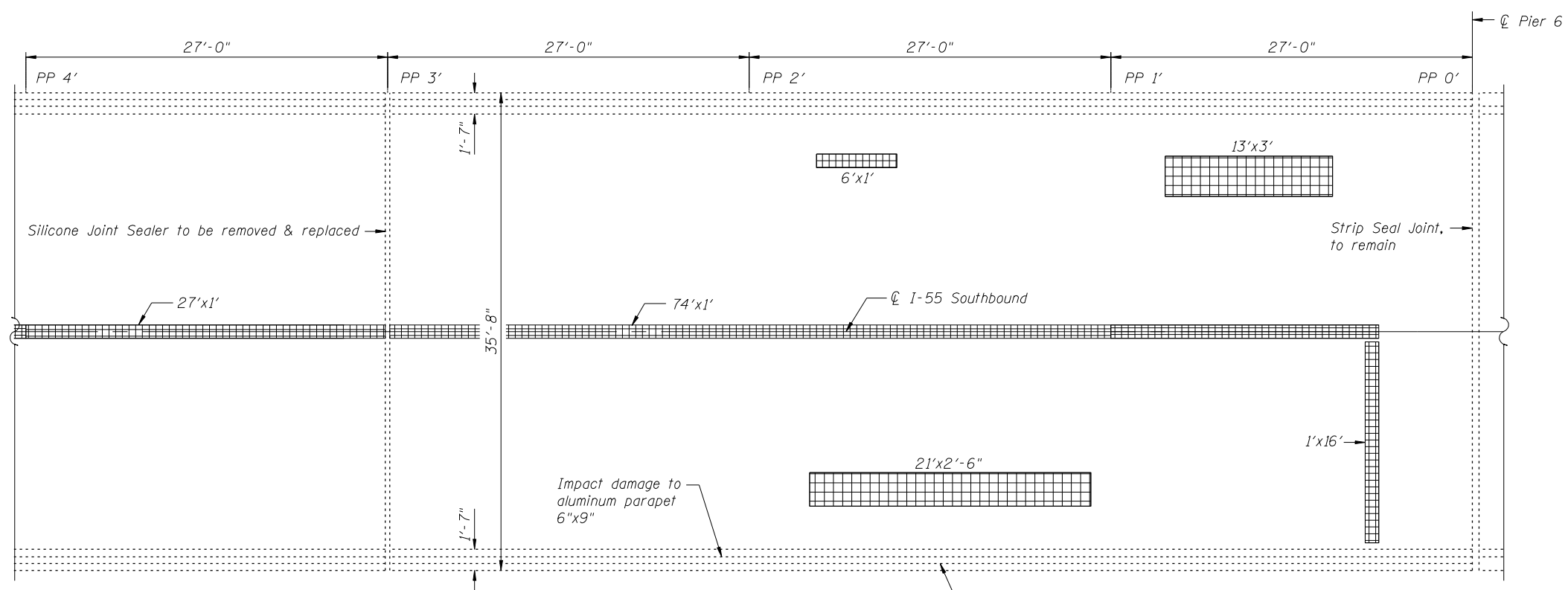
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	DATE - JANUARY 16, 2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

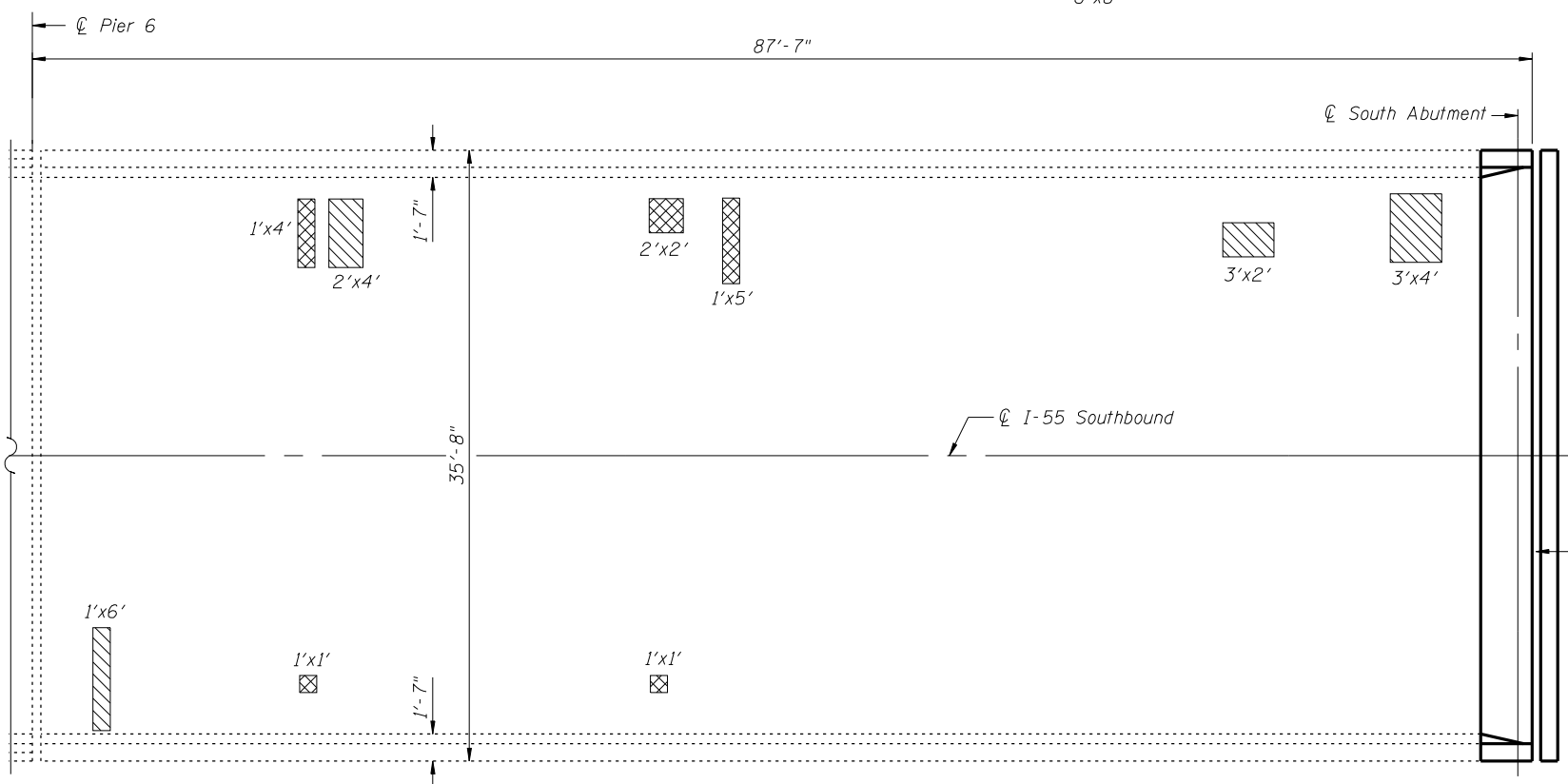
DECK PLAN REPAIRS - SOUTHBOUND-IV
STRUCTURE NO. 099-0008

SHEET NO. S8 OF S60 SHEETS

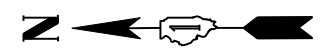
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-I	WILL	106	47
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				



DECK PLAN - SPAN 6 (PP4'-PP0')



DECK PLAN - SPAN 7



- LEGEND:**
- Deck Slab Repair (Full Depth, Type I)
 - Deck Slab Repair (Full Depth, Type II)
 - Deck Slab Repair (Partial)

BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Deck Slab Repair (Full Depth, Type I)	sq Yd	2
Deck Slab Repair (Full Depth, Type II)	sq Yd	4
Deck Slab Repair (Partial)	sq Yd	24

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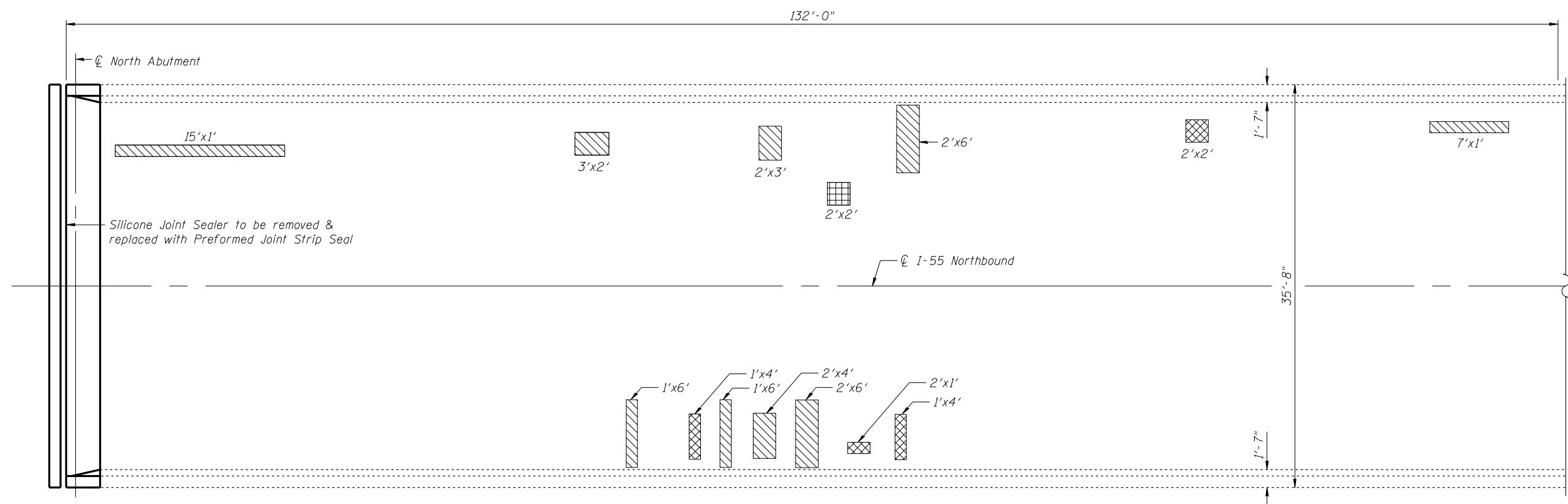
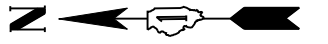
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	CHECKED - B.N.S./J.W.	REVISED -
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PLOT DATE = 1/18/2013	DATE - JANUARY 16, 2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

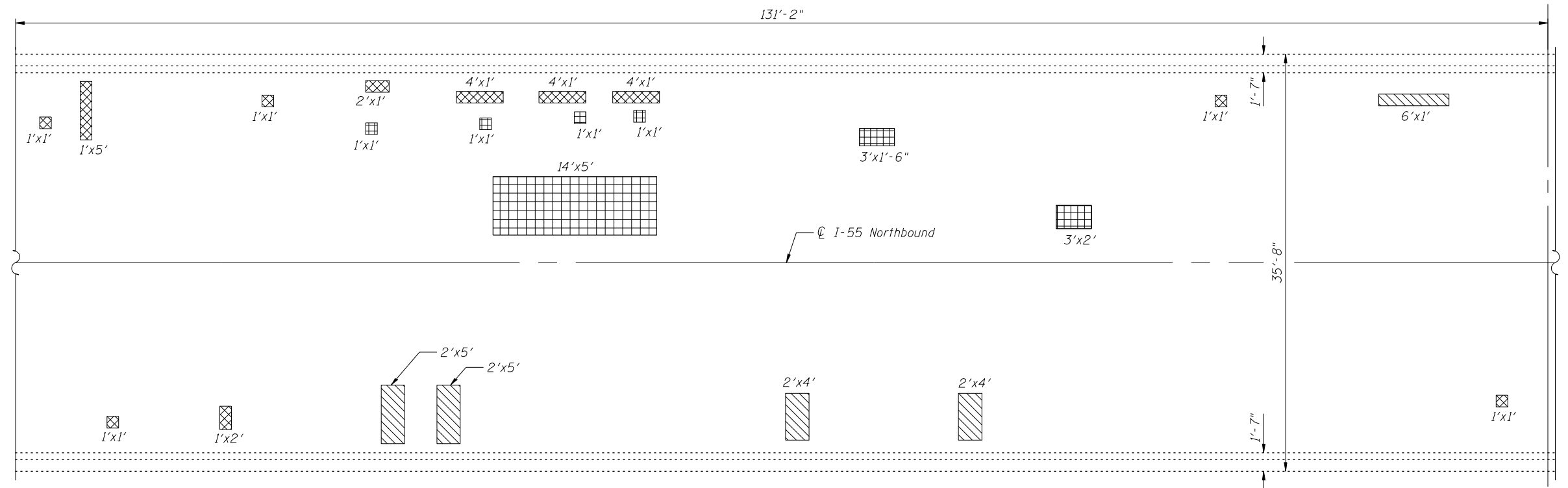
**DECK PLAN REPAIRS - SOUTHBOUND-V
STRUCTURE NO. 099-0008**

SHEET NO. S9 OF S60 SHEETS

F.A.I. RTE. 55	SECTION 87B, D-BR-I	COUNTY WILL	TOTAL SHEETS 106	SHEET NO. 48
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				



DECK PLAN - SPAN 1



DECK PLAN - SPAN 2

- LEGEND:**
- Deck Slab Repair (Full Depth, Type I)
 - Deck Slab Repair (Full Depth, Type II)
 - *Deck Slab Repair (Partial)
- *For Information Only in Spans 1 & 2*

BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Deck Slab Repair (Full Depth, Type I)	sq Yd	5
Deck Slab Repair (Full Depth, Type II)	sq Yd	14

FILE NAME = it:\103103.1-55 over des planes\Structural\CADD Sheets\160R62-10-NB-DK-Plan-1.dgn

CHRISTIAN-ROGE & ASSOCIATES, INC.

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	DATE - JANUARY 16, 2013	REVISED -

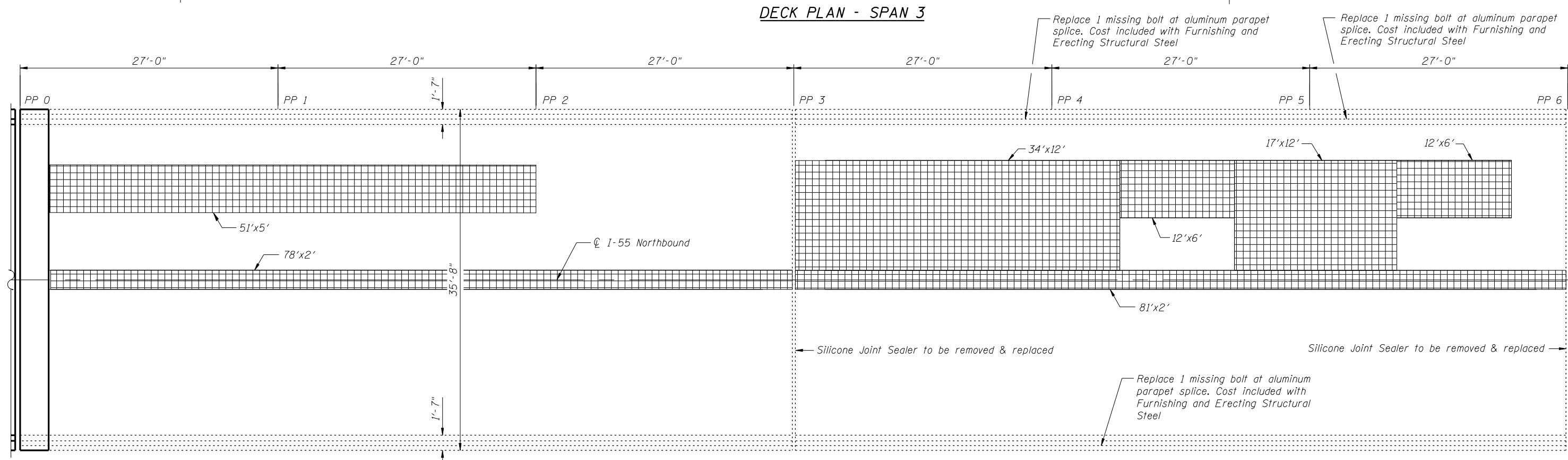
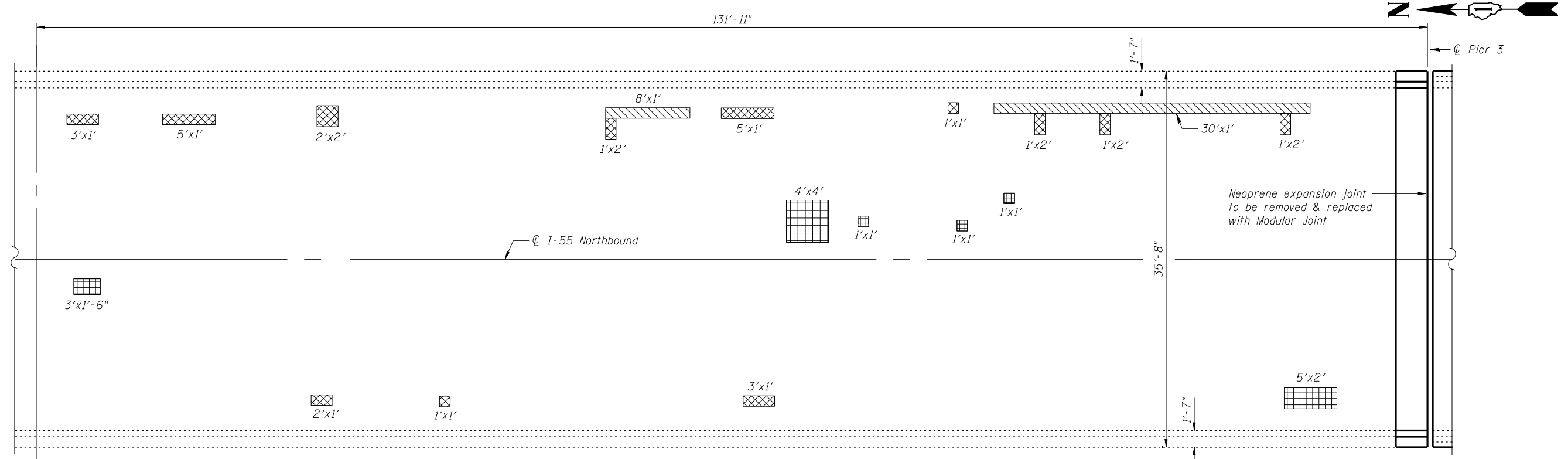
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK PLAN REPAIRS - NORTHBOUND-I
STRUCTURE NO. 099-0009**

SHEET NO. 510 OF 560 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-I	WILL	106	49
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				

FILE NAME = \\103103.1-55 over des planes\Structural\CADD Sheets\160R62-11-NB-DK-Plan-11.dgn



DECK PLAN - SPAN 4 (PP0-PP6)

BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Deck Slab Repair (Full Depth, Type I)	sq Yd	4
Deck Slab Repair (Full Depth, Type II)	sq Yd	5
Deck Slab Repair (Partial)	sq Yd	150

LEGEND:

Deck Slab Repair (Full Depth, Type I)

Deck Slab Repair (Full Depth, Type II)

*Deck Slab Repair (Partial)

*For Information Only in Span 3



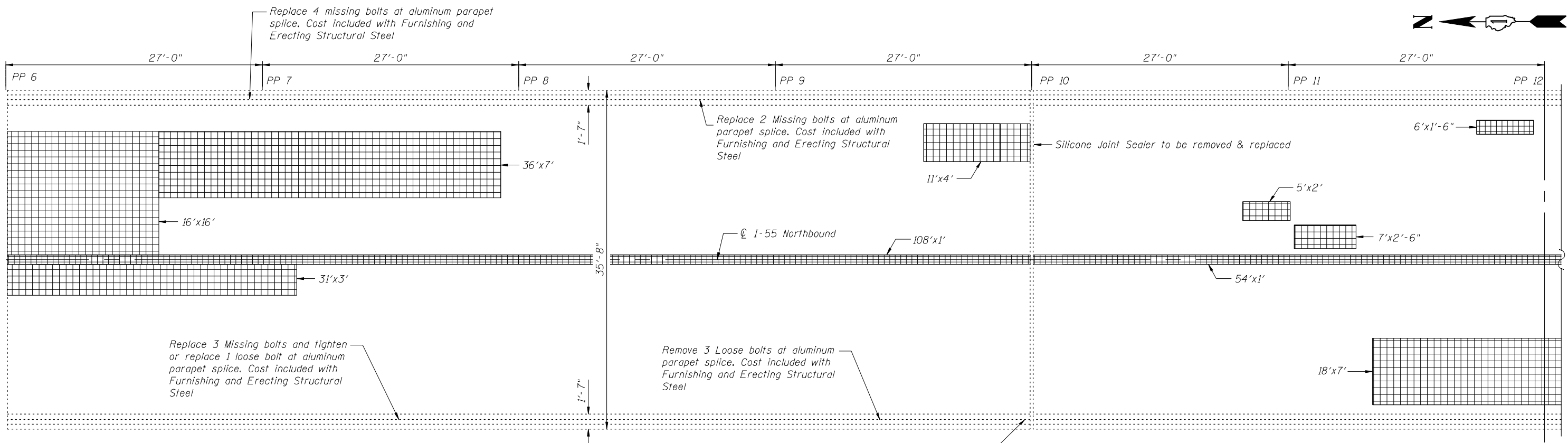
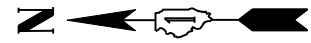
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	DATE - JANUARY 16, 2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

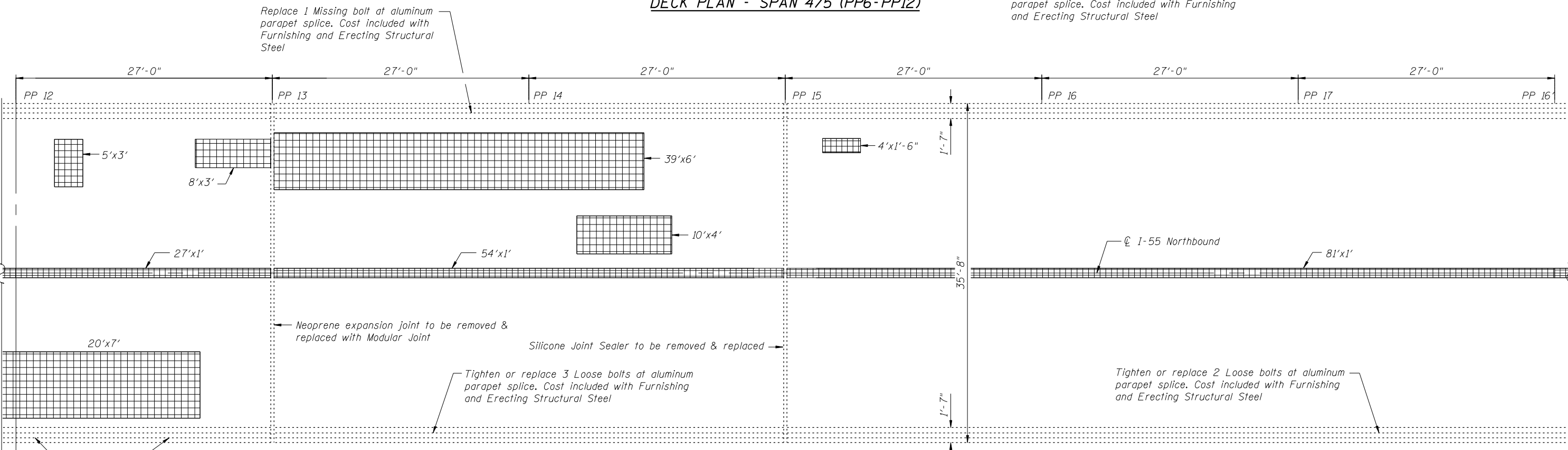
DECK PLAN REPAIRS - NORTHBOUND-II
STRUCTURE NO. 099-0009

SHEET NO. S11 OF S60 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-I	WILL	106	50
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				



DECK PLAN - SPAN 4/5 (PP6-PP12)



DECK PLAN - SPAN 5 (PP12-PP16')

BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Deck Slab Repair (Partial)	sq Yd	211

LEGEND:

- Deck Slab Repair (Full Depth, Type I)
- Deck Slab Repair (Full Depth, Type II)
- Deck Slab Repair (Partial)

FILE NAME = :1103103.1+55 over des planes\Structural\CADD Sheets\12-NB-DK-Plan-III.dgn



USER NAME = IDOT
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 CHECKED - B.N.S./J.W.
 DRAWN - F.M.
 DATE - JANUARY 16, 2013
 PLOT SCALE = 0:2.0000 ' / IN.
 PLOT DATE = 1/18/2013

DESIGNED - J.C.N./B.N.S./J.W.
 CHECKED - B.N.S./J.W.
 DRAWN - F.M.
 DATE - JANUARY 16, 2013

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

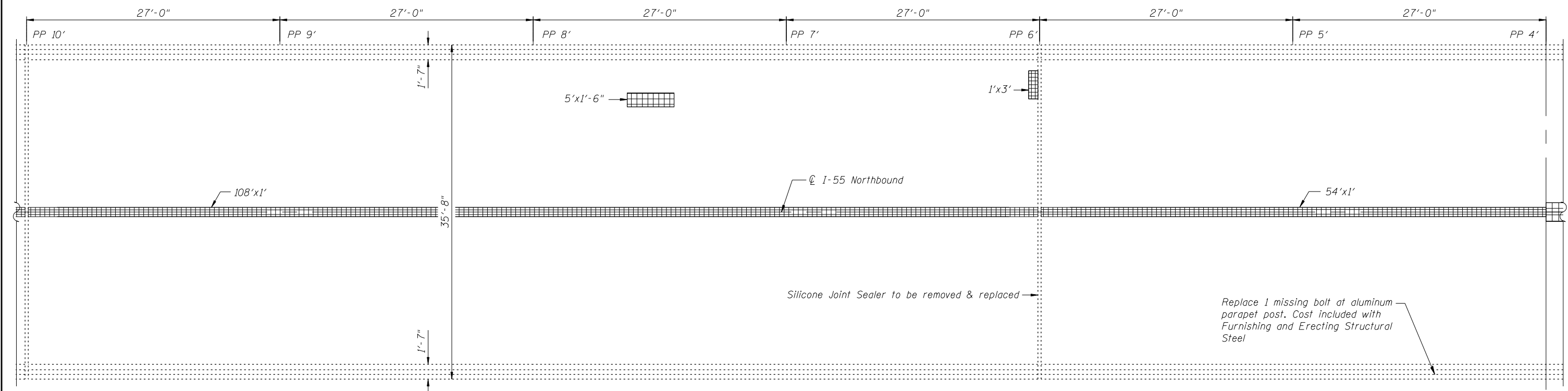
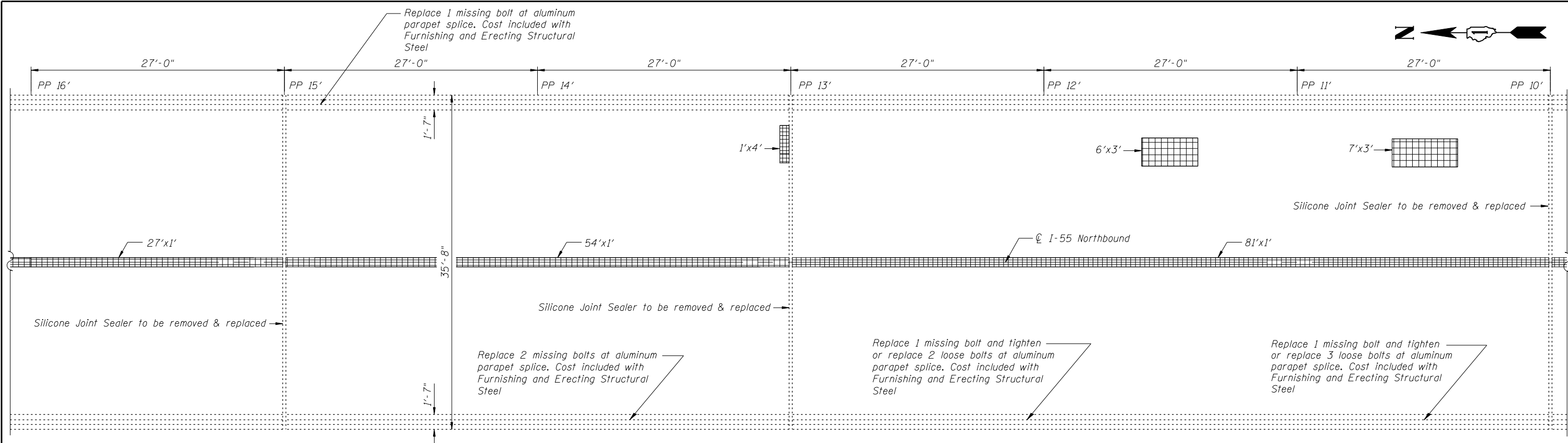
**DECK PLAN REPAIRS - NORTHBOUND-III
 STRUCTURE NO. 099-0009**

SHEET NO. S12 OF S60 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-I	WILL	106	51

CONTRACT NO. 60R62

ILLINOIS FED. AID PROJECT



DECK PLAN - SPAN 5 (PP16'-PP10')

DECK PLAN - SPAN 5/6 (PP10'-PP4')

BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Deck Slab Repair (Partial)	sq Yd	43

LEGEND:

- Deck Slab Repair (Full Depth, Type I)
- Deck Slab Repair (Full Depth, Type II)
- Deck Slab Repair (Partial)

FILE NAME = it\103103.1+55 over des plames\Structural\CADD Sheets\160R62-13-NB-DK-Plan-IV.dgn



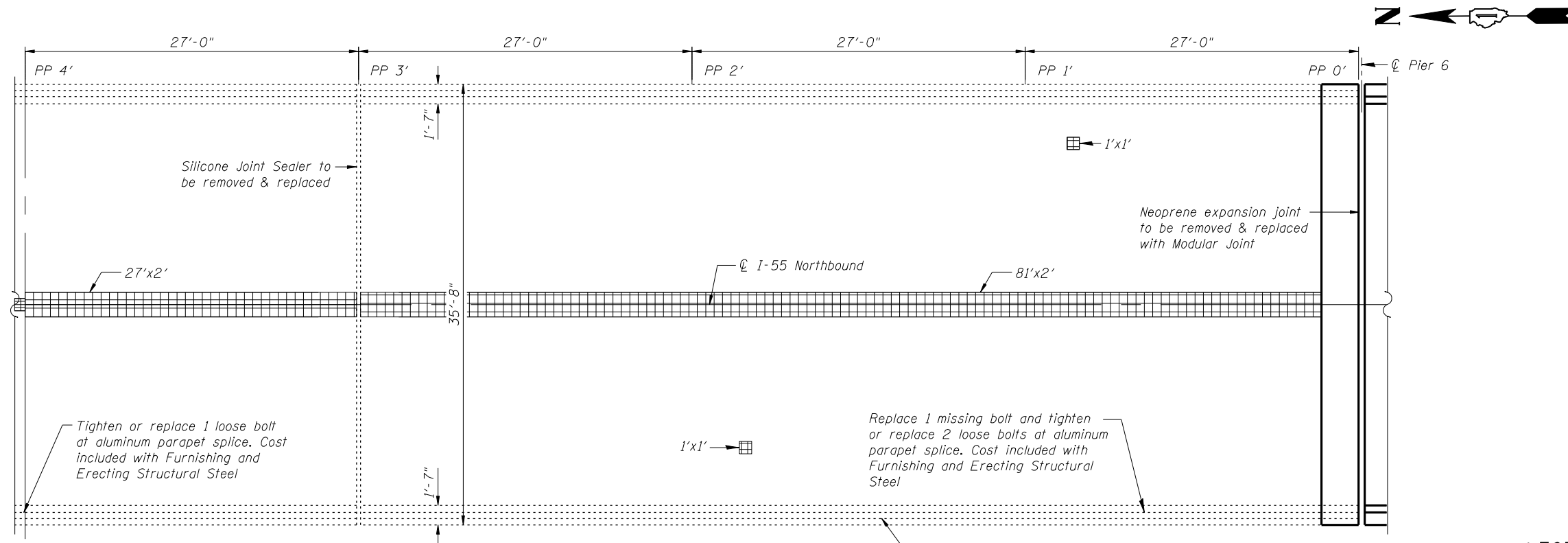
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	DATE - JANUARY 16, 2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

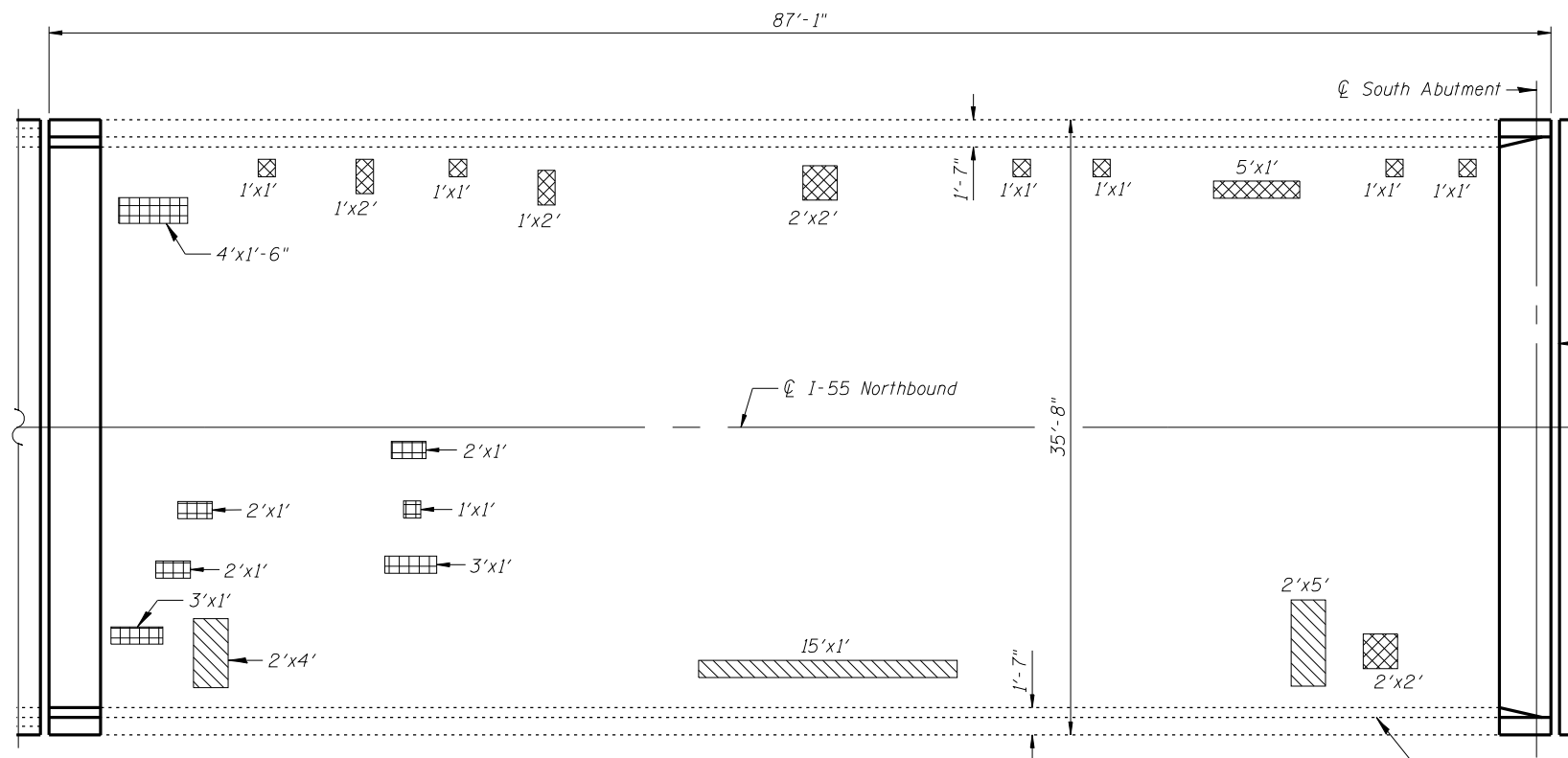
DECK PLAN REPAIRS - NORTHBOUND-IV
STRUCTURE NO. 099-0009

SHEET NO. S13 OF S60 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-I	WILL	106	52
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				



DECK PLAN - SPAN 6 (PP4'-PP0')



DECK PLAN - SPAN 7

LEGEND:

- Deck Slab Repair (Full Depth, Type I)
- Deck Slab Repair (Full Depth, Type II)
- *Deck Slab Repair (Partial)

*For Information Only in Span 7

BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Deck Slab Repair (Full Depth, Type I)	sq Yd	3
Deck Slab Repair (Full Depth, Type II)	sq Yd	4
Deck Slab Repair (Partial)	sq Yd	25

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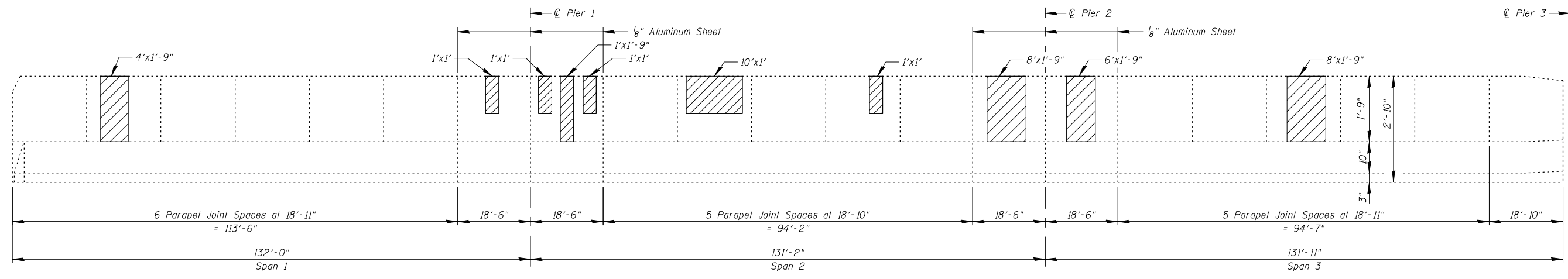
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	DATE - JANUARY 16, 2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

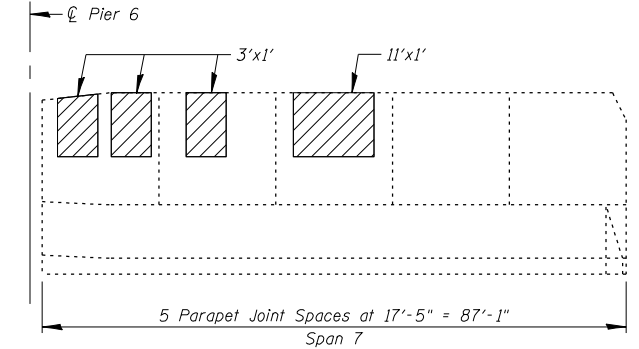
DECK PLAN REPAIRS - NORTHBOUND-V
STRUCTURE NO. 099-0009

SHEET NO. S14 OF S60 SHEETS

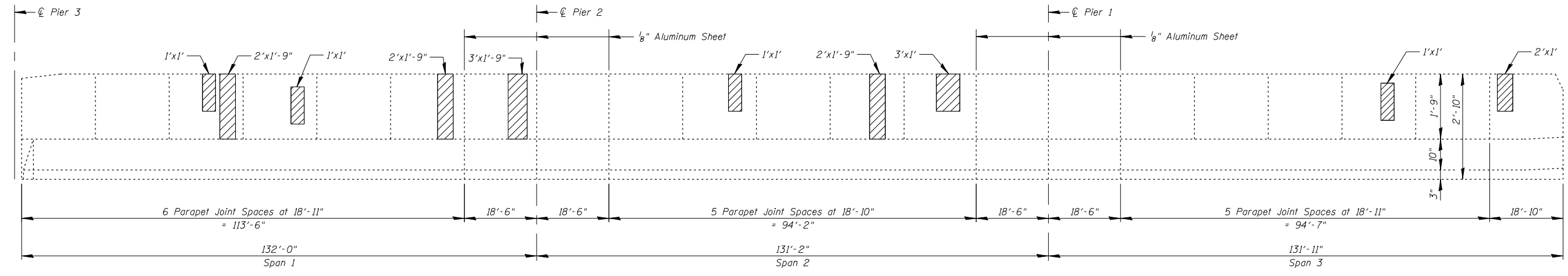
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-I	WILL	106	53
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				



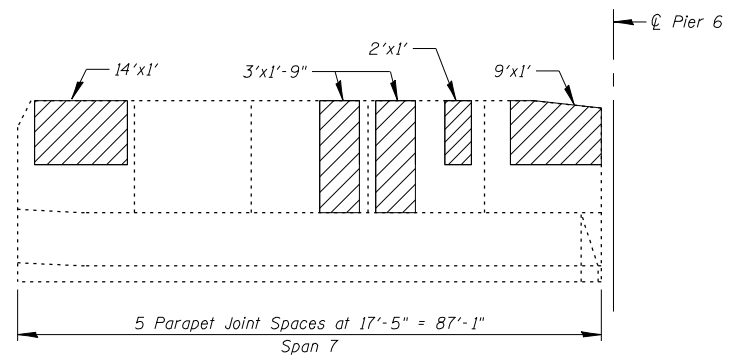
INSIDE ELEVATION OF EAST PARAPET
(at North end of bridge)



INSIDE ELEVATION OF EAST PARAPET
(at South end of bridge)




INSIDE ELEVATION OF WEST PARAPET
(at North end of bridge)



INSIDE ELEVATION OF WEST PARAPET
(at South end of bridge)

Note:
Patches are shown enlarged for clarity

LEGEND
 Structural Repair of Concrete
(Depth Equal to or Less Than 5 inches)
(Inside Face of Parapet)

BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal to or Less Than 5 inches)	Sq Ft	142

FILE NAME = it\103103.1+55 over des planes\structure\1\cead sheets\160R62-15-per-repairs-SB.dgn

CHRISTIAN-ROGE & ASSOCIATES, INC.

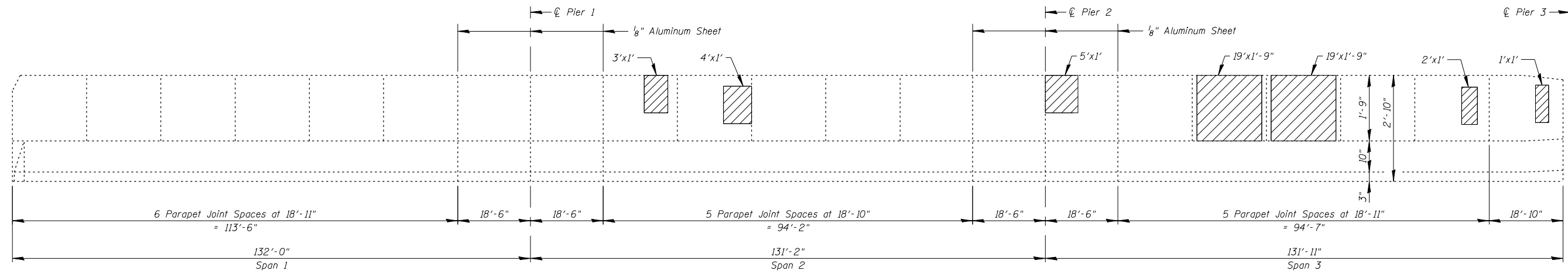
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PLOT DATE = 1/18/2013	DATE - JANUARY 16, 2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

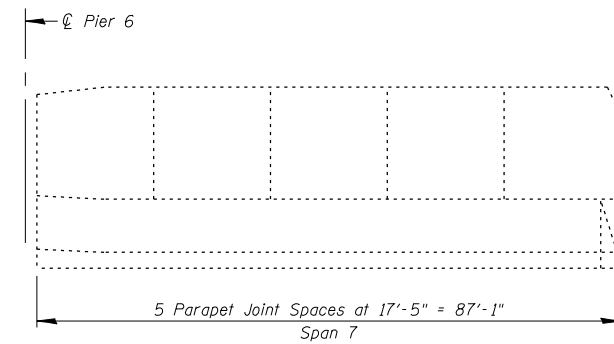
**PARAPET REPAIR-APPROACH SPANS-SOUTHBOUND
STRUCTURE NO. 099-0008**

SHEET NO. S15 OF S60 SHEETS

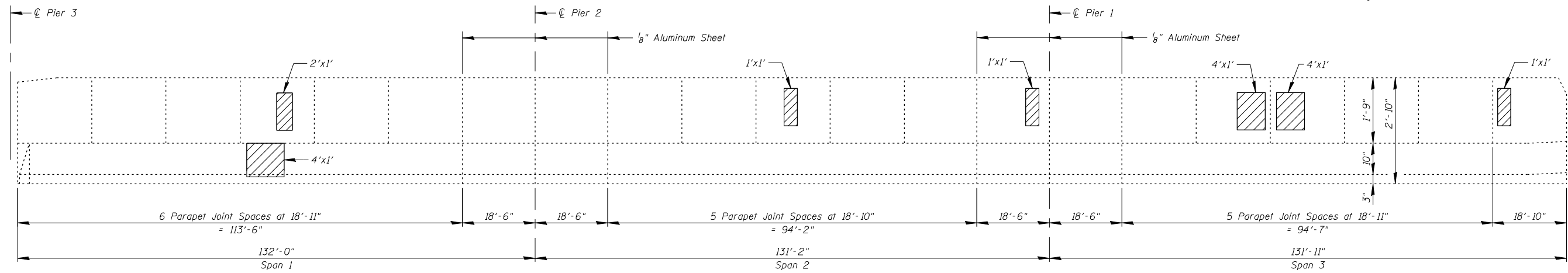
F.A.I. RTE. 55	SECTION 87B, D-BR-I	COUNTY WILL	TOTAL SHEETS 106	SHEET NO. 54
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				



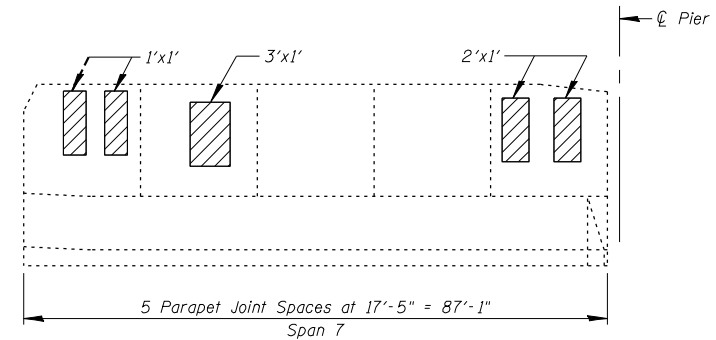
INSIDE ELEVATION OF EAST PARAPET
(at North end of bridge)



INSIDE ELEVATION OF EAST PARAPET
(at South end of bridge)

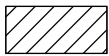


INSIDE ELEVATION OF WEST PARAPET
(at North end of bridge)



INSIDE ELEVATION OF WEST PARAPET
(at South end of bridge)

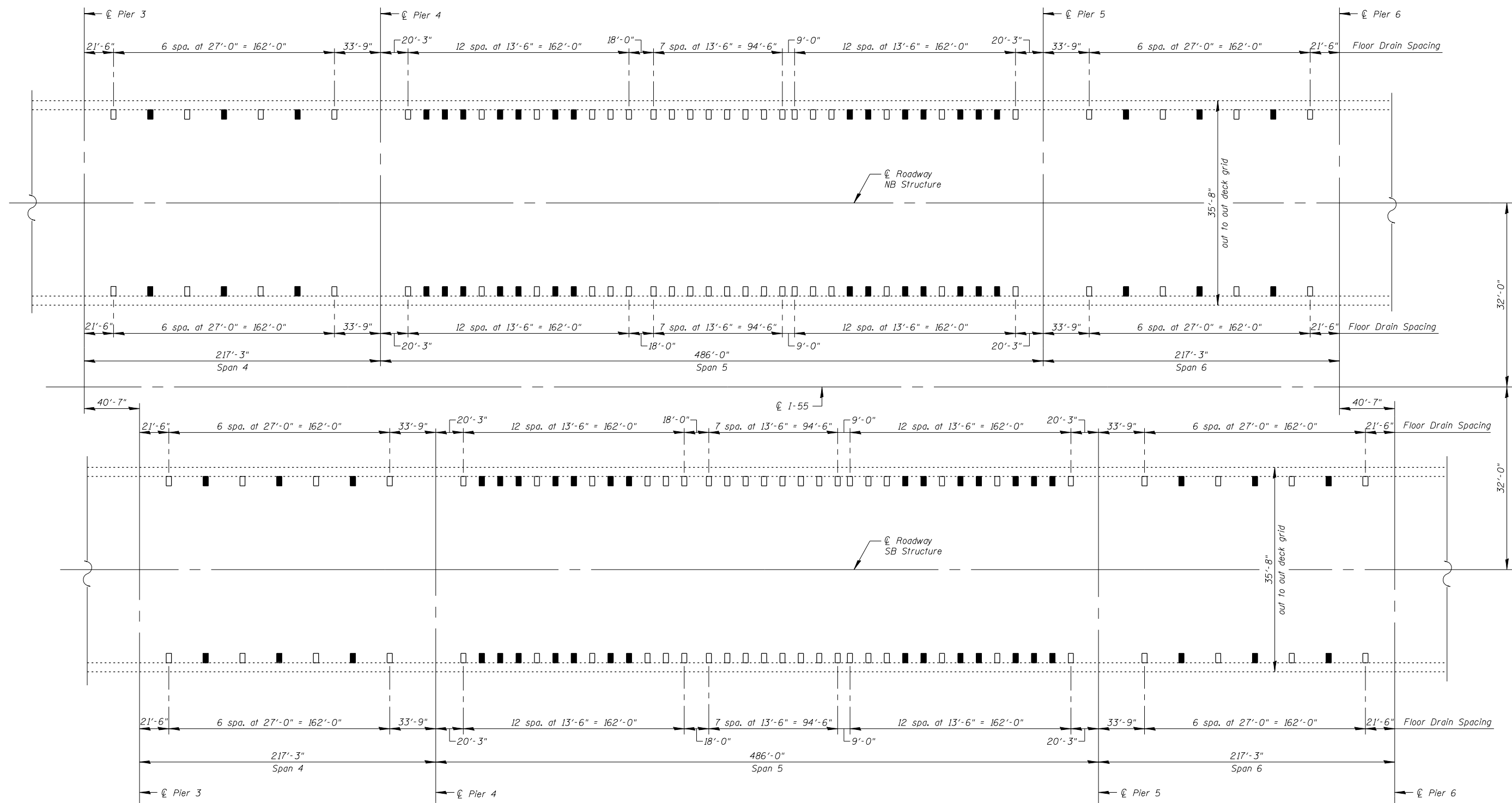
Note:
Patches are shown enlarged for clarity

LEGEND
 Structural Repair of Concrete
(Depth Equal to or Less Than 5 inches)
(Inside Face of Parapet)

BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal to or Less Than 5 inches)	Sq Ft	108

FILE NAME = I:\103103.1-55 over des planes\structural\cead sheets\160R62-16-per-repairs-NB.dgn



PLAN
TRUSS SPANS
(showing Floor Drain locations)

Notes:
Work this sheet with Sheet S18.
All existing Floor Drains in truss spans that are not eliminated are to be extended.
For Floor Drain Details see Sheet S18.

LEGEND

	Existing Floor Drains to remain & extended
	Existing Floor Drains to be eliminated

FILE NAME = I:\103103.1-55 over des planes\structure\cadd sheets\160R62-17-floor-drains.dgn



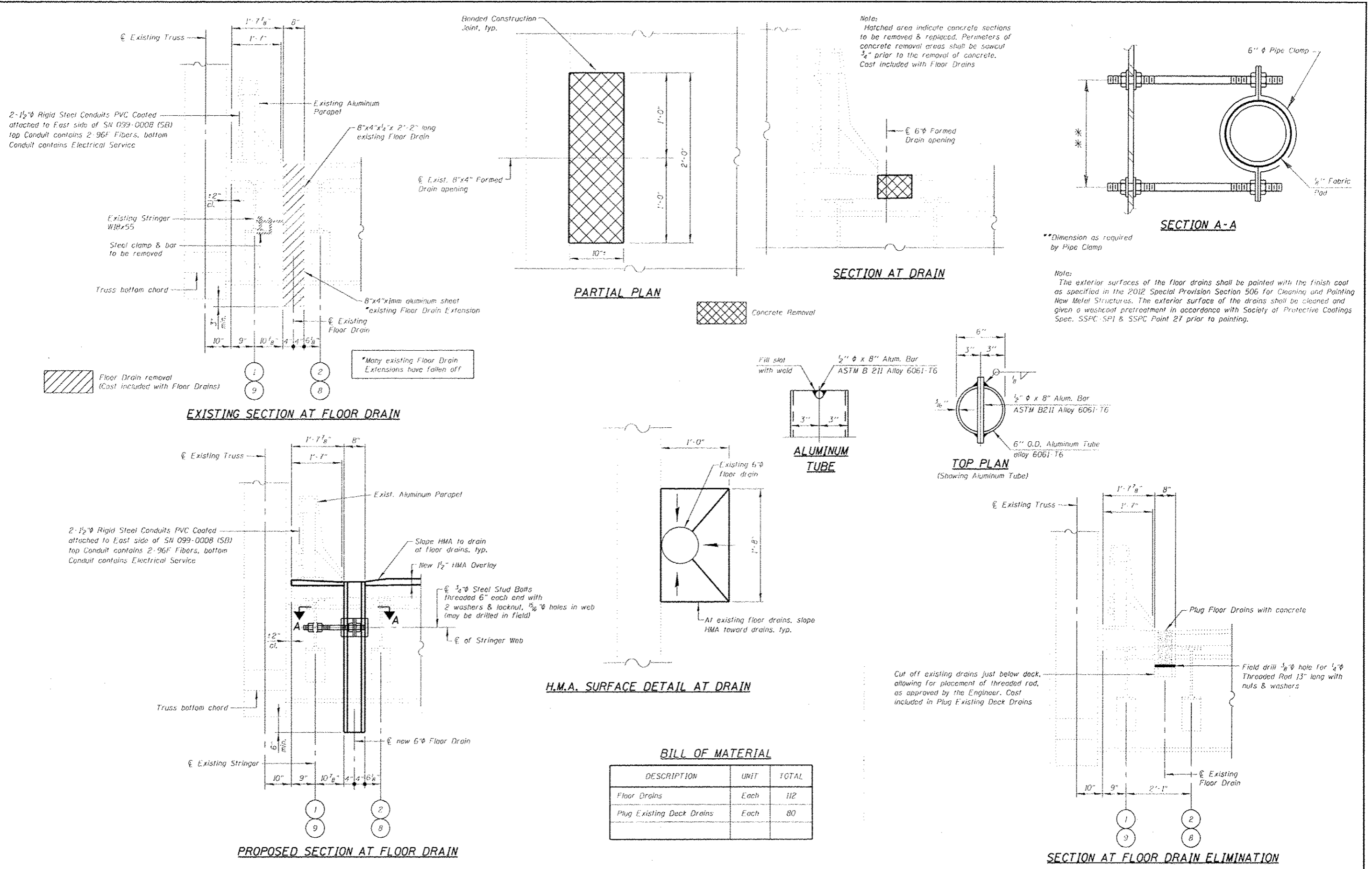
USER NAME = IDOT	DESIGNED - J.C.N./B.N.S./J.W.	REVISED -
PLOT SCALE = 1/8" = 1'-0"	CHECKED - B.N.S./J.W.	REVISED -
PLOT DATE = 1/18/2013	DRAWN - F.M.	REVISED -
	DATE - JANUARY 16, 2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FLOOR DRAIN LOCATIONS
STRUCTURE NO'S. 099-0008 & 099-0009

SHEET NO. S17 OF S60 SHEETS

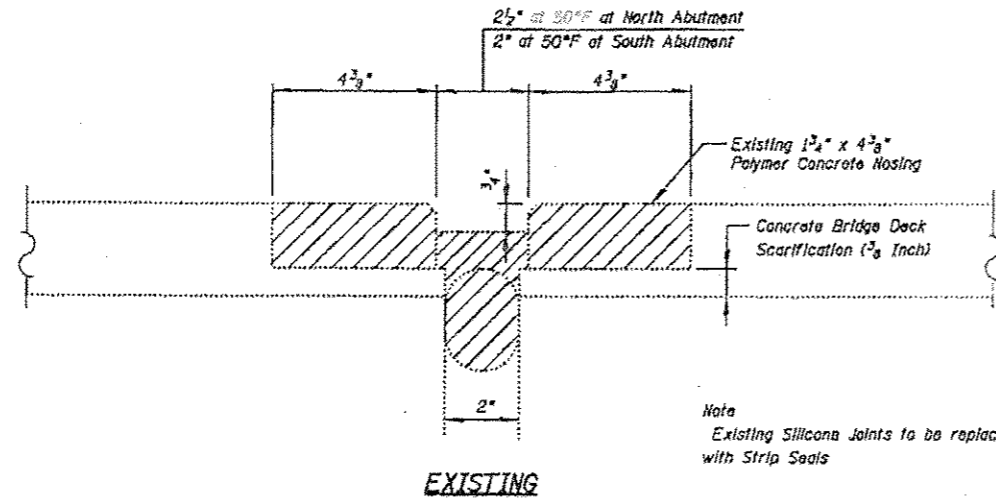
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	56
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIAL

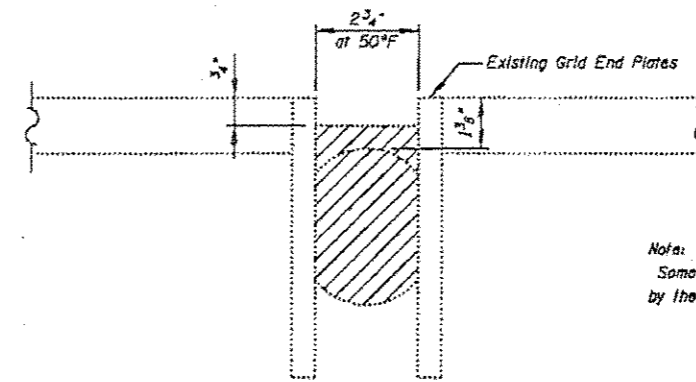
DESCRIPTION	UNIT	TOTAL
Floor Drains	Each	112
Plug Existing Deck Drains	Each	80

FILE NAME: I:\03\031-05-00-Des Plaines\Structural\031-05-00-Des Plaines\Floor-drain-details.dgn



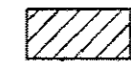
Note
Existing Silicone Joints to be replaced
with Strip Seals

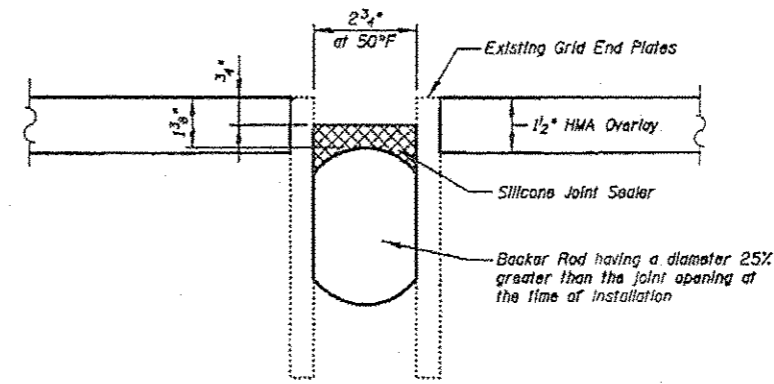
**SILICONE JOINT SEALER
AT NORTH & SOUTH ABUTMENTS**
North Abutment shown
South Abutment similar



Note:
Some grid end plates which are damaged to be replaced, as directed
by the Engineer. Cost Included with "Structural Steel Repair"

**SILICONE JOINT SEALER
ALONG TRUSS SPANS**

 Removal of Silicone Joint Sealer
(Cost Included with Silicone Joint Sealer)




Note:
Silicone Joint Sealer to be replaced out to out of deck

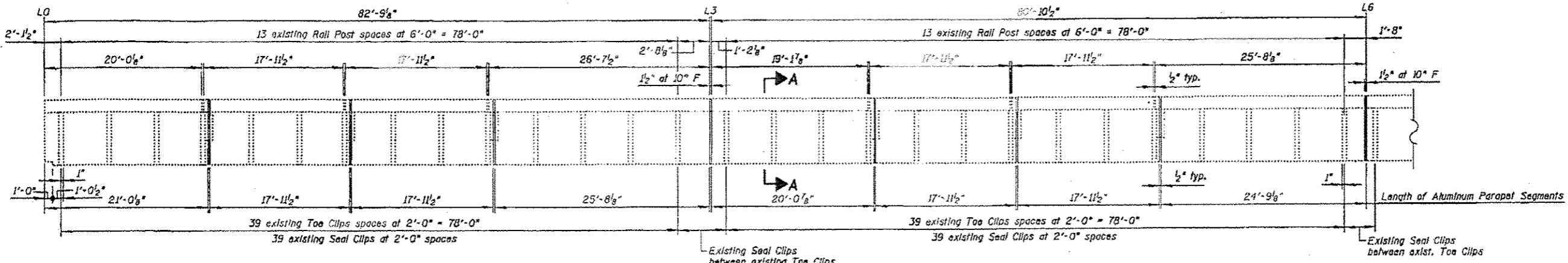
**SILICONE JOINT SEALER
ALONG TRUSS SPANS**
(See Deck Plan for locations)
(9 thus at each structure = 18 total)

BILL OF MATERIAL

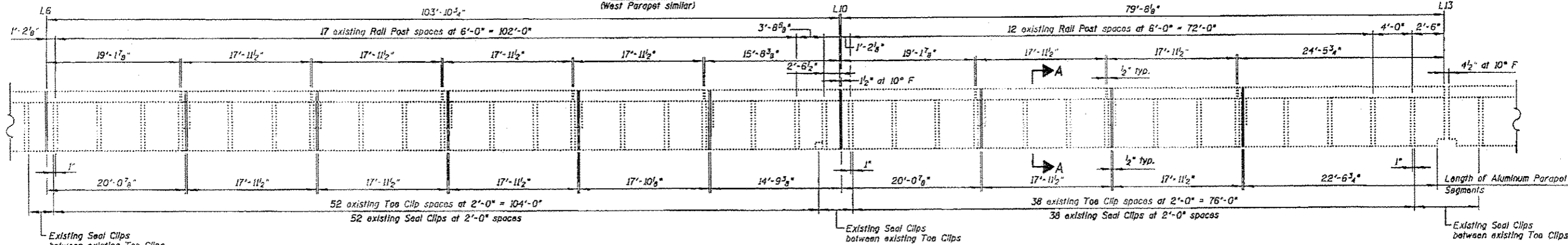
DESCRIPTION	UNIT	TOTAL
Silicone Joint Sealer, 2.75"	Foot	648

FILE NAME = I:\183182_1-55 over-Des-Planes\Structural\CADD Sheets\066862-19-silicone_joints.dgn

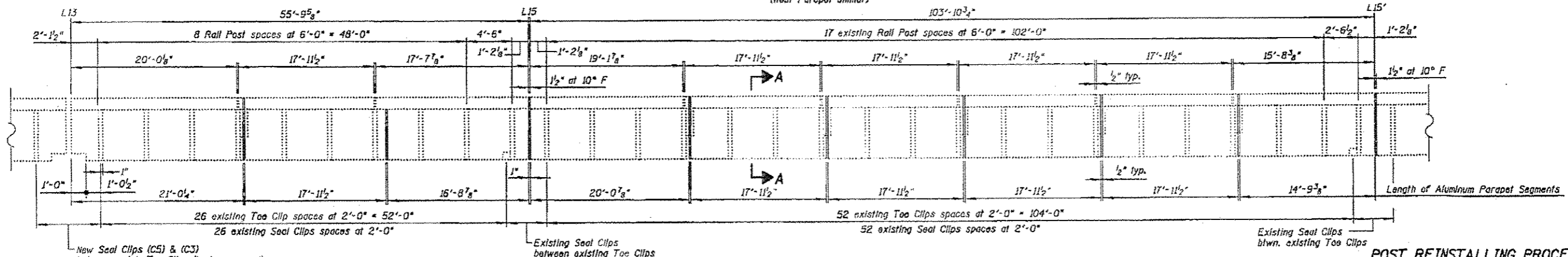
 CHRISTIAN-ROGE & ASSOCIATES, INC.	USER NAME = IDGT	DESIGNED - J.C.N./B.H.S./J.W.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SILICONE JOINT SEALER DETAILS STRUCTURE NO'S. 099-0008 & 099-0009	F.A.I. RFE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 5/8" = 1' / DL	CHECKED - B.H.S./J.W.	REVISED -			55	07B, D-BR-1	WILL	106	58
PLOT DATE = 3/19/2013	DRAWN - F.M.	REVISED -		SHEET NO. 519 OF 560 SHEETS		CONTRACT NO. 60R62				
DATE - MARCH 20, 2013	REVISED -					ILLINOIS FED. AID PROJECT				



**INSIDE FACE OF EAST PARAPET
ELEVATION**
(West Parapet similar)



**INSIDE FACE OF EAST PARAPET
ELEVATION**
(West Parapet similar)



**INSIDE FACE OF EAST PARAPET
ELEVATION**
(West Parapet similar)

- Notes:**
- The Contractor shall exercise extreme care during removal of existing parapet.
 - See existing parapet erection plans for additional details.
 - Aluminum parapets shall be reinstalled after structural steel painting and placement of HMA Surface Course is completed.
 - Grind paint from steel surfaces to be welded in the field.
 - Details for resealing & replacing posts applies only to locations to be repaired or posts to be replaced, as directed by the Engineer. Remove and reattach posts that are found to be loose and use new bolts when reattaching the loose posts.
 - For Section A-A, see Sht. S21.
 - Work this sheet with Sht. S21.

- POST REINSTALLING PROCEDURES:**
- After curing patched areas under post base the post shall be reinstalled on a 1/2" Fabric Pad with new anchor bolts. Leave nuts hand tight.
 - Accurately drill holes in W18 stringer flange below base plate for hold down angles.
 - Drill holes through deck and set bolts through hold down angles and W18.
 - Clamp hold down angles to base plate and weld.
 - Tighten all bolts and nuts.

BILL OF MATERIAL

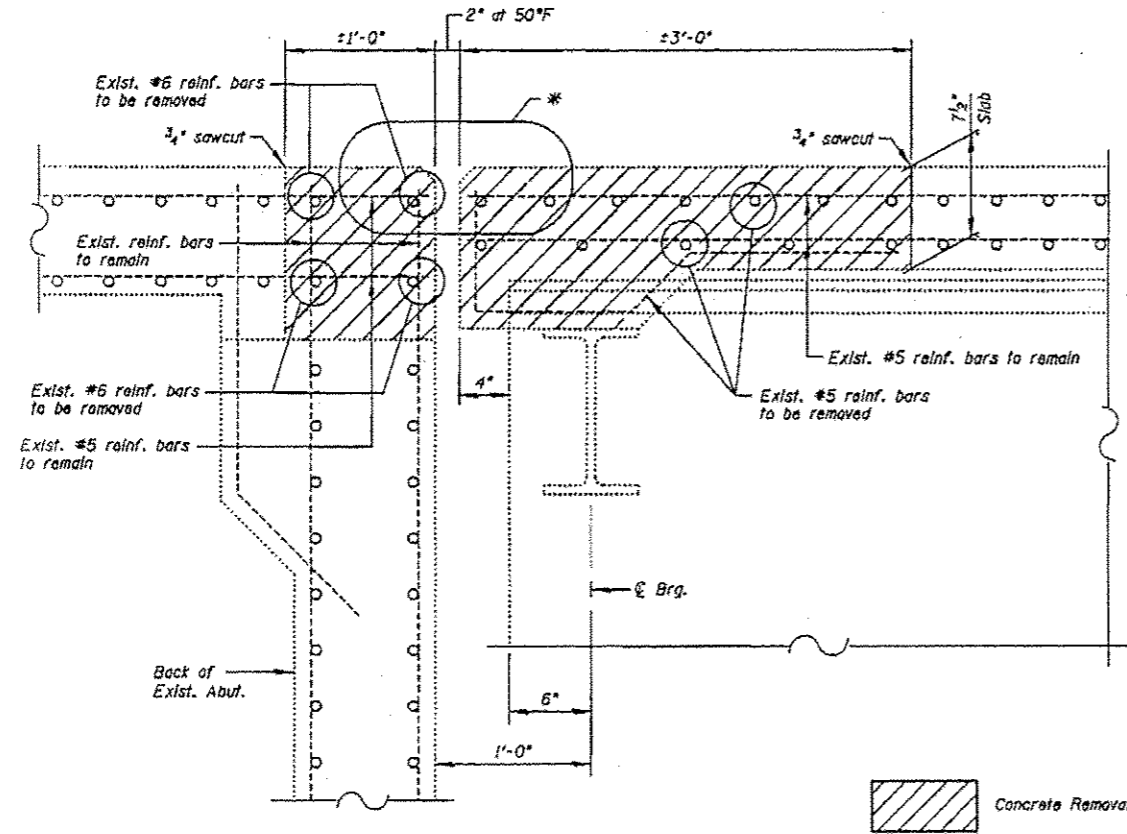
ITEM	UNIT	TOTAL (SOUTHBOUND)	TOTAL (NORTHBOUND)
Remove and Reinstall Existing Aluminum Parapet	Foot	1,842	1,842
Steel Post, Attached to Structure	Each	100	100

FILE NAME = I:\183183.J-55 over Das Platona\Structure\1\CA00 Sheets\16662-28-aluminum.par-detail-1.dgn

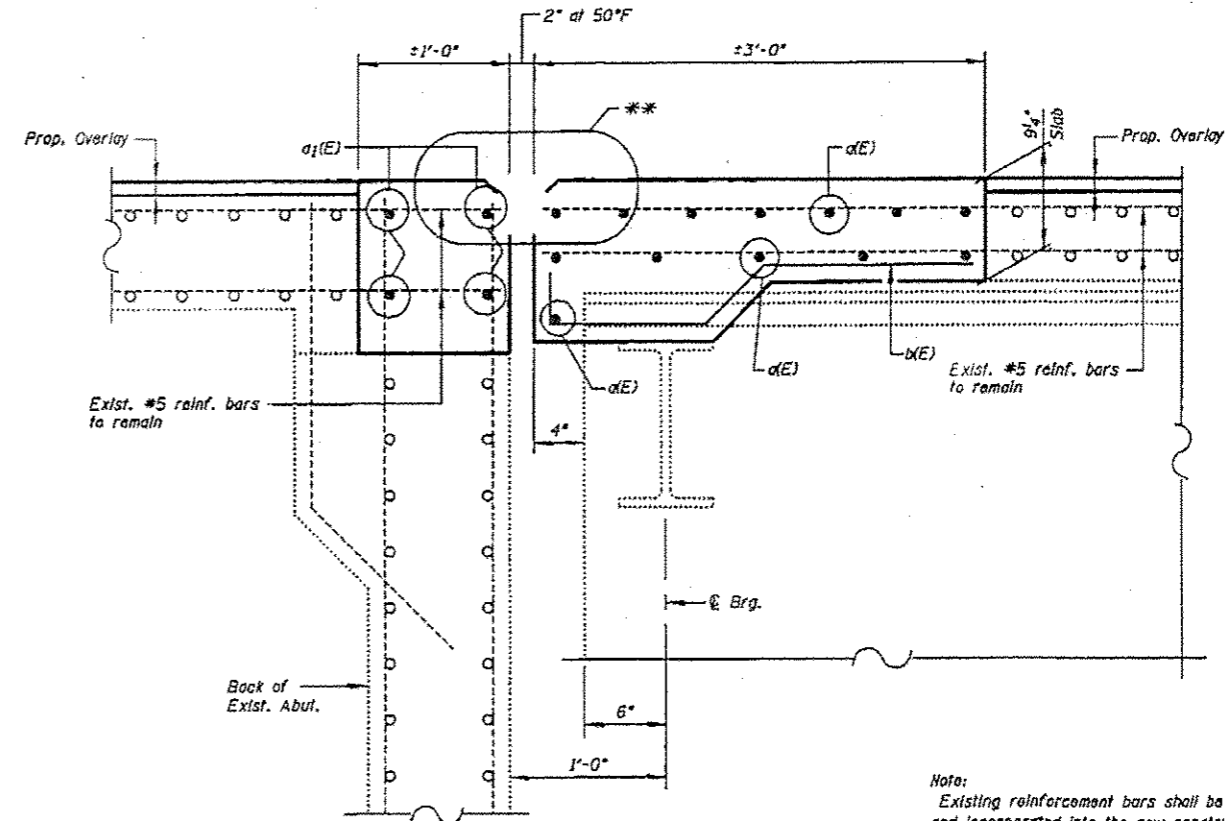
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	PLOT SCALE = 5/8" = 1'	CHECKED - B.M.S./J.W.	REVISIONS -			55	B7B, 0-2R-1	WILL	106	59
	PLOT DATE = 3/19/2013	DRAWN - F.M.	REVISIONS -			CONTRACT NO. 60R62				
	DATE - MARCH 20, 2013	DATE -	REVISIONS -			ILLINOIS TOLLWAY PROJECT				

*Existing Silicone Joint Sealer to be removed & replaced with Prefomed Joint Strip Seal. Cost included with Concrete Removal

**New 2" Prefomed Joint Strip Seal. See Sht. S60 for details



EXISTING
SECTION B-B
(showing removal)



PROPOSED
SECTION B-B

Note:
Existing reinforcement bars shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal

FILE NAME = I:\183183-1-65 over Dos Plains\Structural\CADD Sheets\DIERS2-23-jt-reconst-NB-SB-Abut-ds.dgn

CHRISTIAN-ROGE & ASSOCIATES, INC.

USER NAME = IDOT	DESIGNED - J.C.M./B.N.S./J.W.	REVISED -
PLOT SCALE = 50.0000' / 1" IN	CHECKED - B.N.S./J.W.	REVISED -
PLOT DATE = 3/19/2013	DRAWN - P.M.	REVISED -
	DATE - MARCH 20, 2013	REVISED -

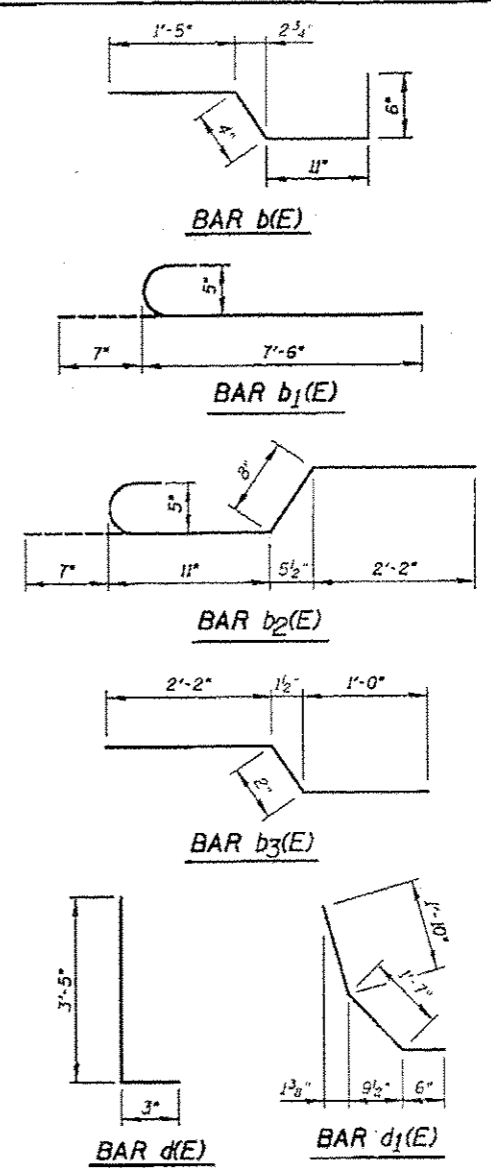
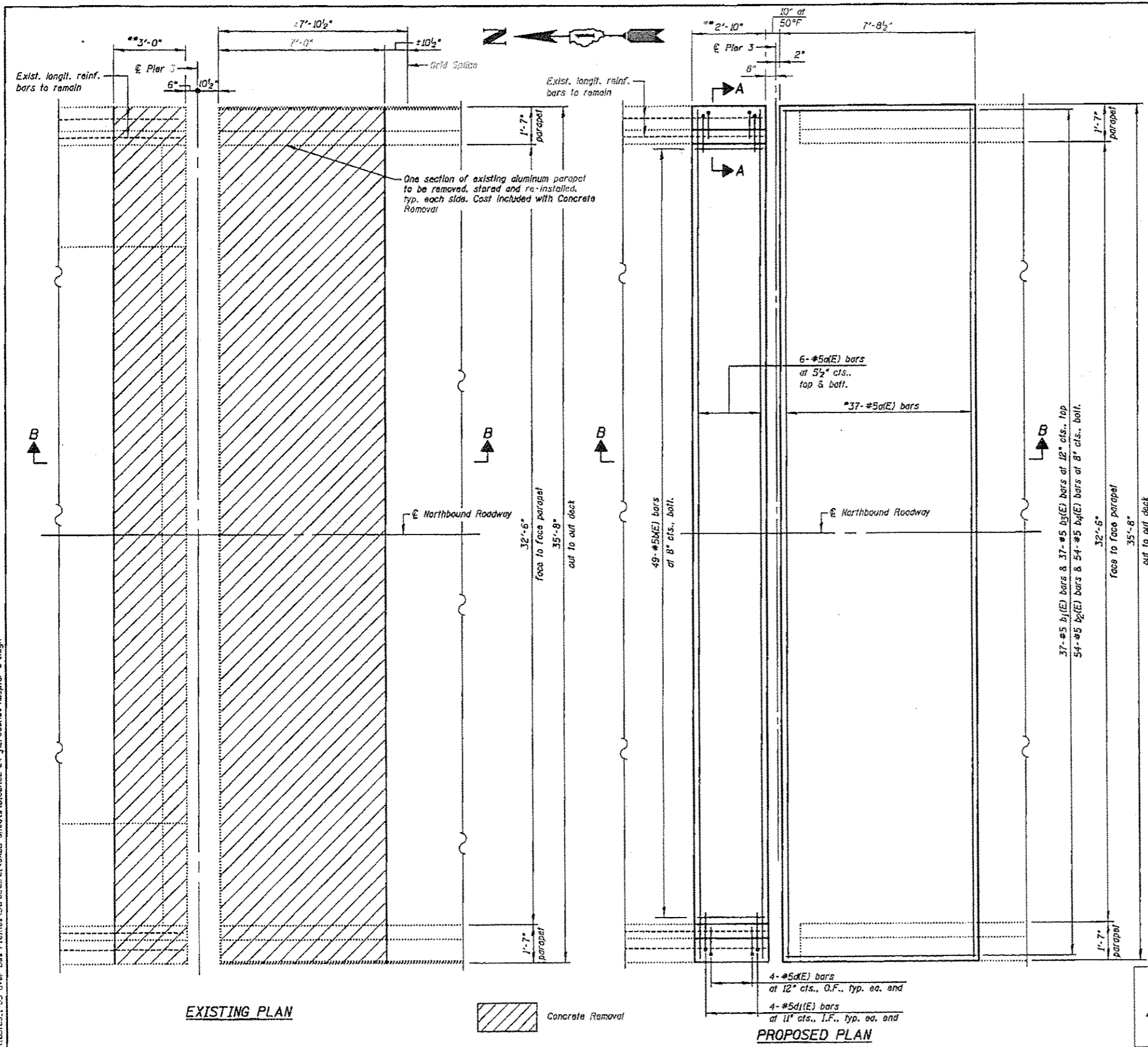
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT RECONSTRUCTION AT NORTH & SOUTH ABUTMENTS-II
STRUCTURE NO'S. 099-0008 & 099-0009

SHEET NO. S23 OF S60 SHEETS

F.A.I. RITE: 55	SECTION: 07B, D-0R-1	COUNTY: WILL	TOTAL SHEETS: 106	SHEET NO.: 62
			CONTRACT NO. 60R62	
ILLINOIS FED. AID PROJECT				

FILE NAME = I:\183183.1-65 over Das Planes\Structural\CADD Sheets\AD16862-24-J-reconst-60.ppt-3-1.dgn



BILL OF MATERIAL

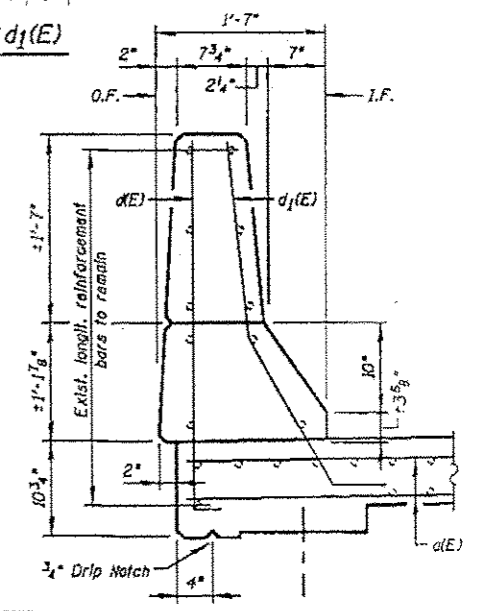
Bar	No.	Size	Length	Shape
d(E)	19	#5	35'-0"	—
b(E)	49	#5	3'-2"	—
b1(E)	37	#5	8'-1"	—
b2(E)	54	#5	4'-4"	—
b3(E)	37	#5	3'-4"	—
b4(E)	54	#5	8'-4"	—
d(E)	8	#5	3'-8"	L
d1(E)	8	#5	3'-11"	—
Reinforcement Bars, Epoxy Coated		Pound	3,170	
Concrete Removal		Cu Yd	12.4	
Concrete Superstructure		Cu Yd	12.0	

*Epoxy grouted reinf. bars according to Article 584 of the Standard Specifications. 9" min.

Notes:
See Sht. S25 for Section B-B

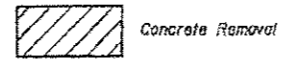
LEGEND:
O.F. = Outside Face
I.F. = Inside Face

*17 d(E) bars at 5 1/2" cts., top, 17 d(E) bars at 5 1/2" cts., bott. & 3 d(E) bars in haunch as shown in Section B-B
**Length of block out, width of joint and number of reinforcement bars may vary as required by Joint Manufacturer



EXISTING PLAN

PROPOSED PLAN



CHRISTIAN-ROGE & ASSOCIATES, INC.

USER NAME = 1807	DESIGNED - J.C.N./B.N.S./J.W.	REVISED -
PLLOT SCALE = 50.0000 / 1" = 10'	CHECKED - B.N.S./J.W.	REVISED -
PLLOT DATE = 3/19/2013	DRAWN - P.M.	REVISED -
	DATE - MARCH 20, 2013	REVISED -

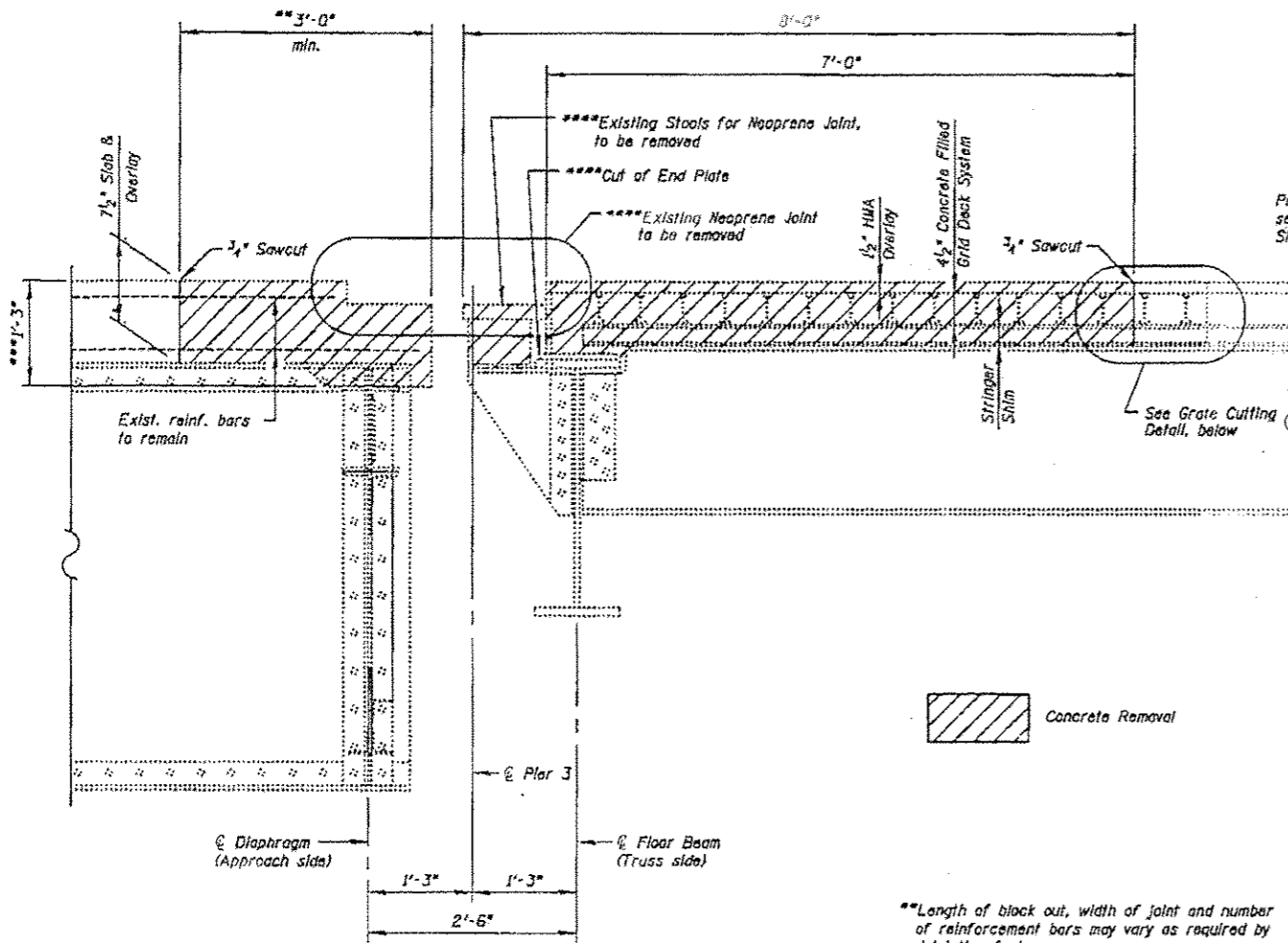
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT RECONSTRUCTION AT PIER 3-NORTHBOUND-I
STRUCTURE NO. 099-0009

SHEET NO. 524 OF 560 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-HR-1	WILL	106	63
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R62	

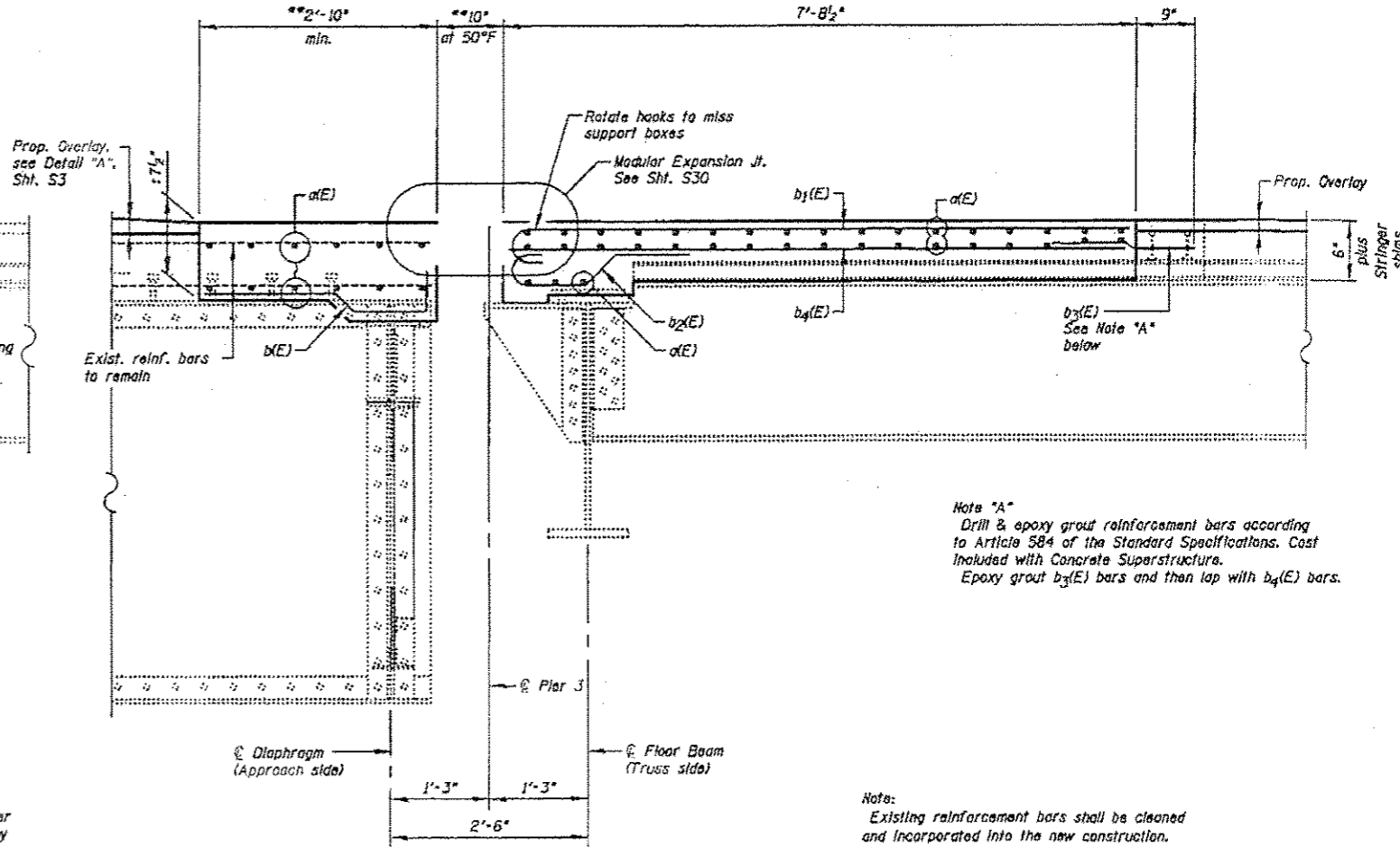
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EXISTING
SECTION B-B
(showing removal)

Concrete Removal

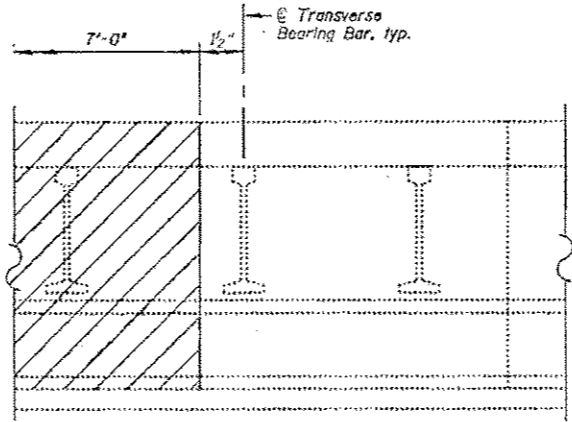
- ***Length of block out, width of joint and number of reinforcement bars may vary as required by Joint Manufacturer.
- ***Verify dimension in field, dimension may vary.
- ****Cost Included with Concrete Removal.



PROPOSED
SECTION B-B

Note "A"
Drill & epoxy grout reinforcement bars according to Article 584 of the Standard Specifications. Cost Included with Concrete Superstructure.
Epoxy grout $b_3(E)$ bars and then lap with $b_4(E)$ bars.

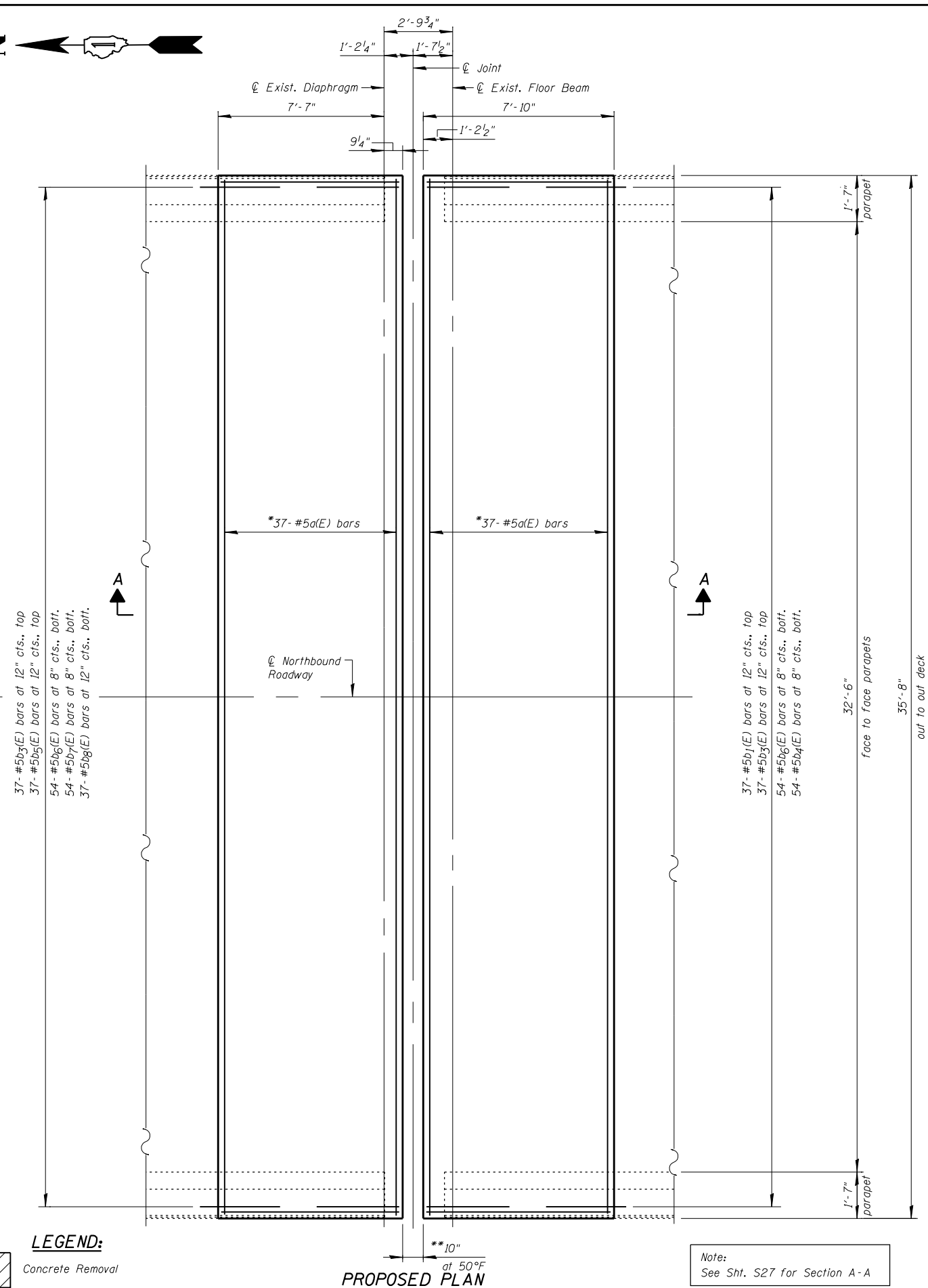
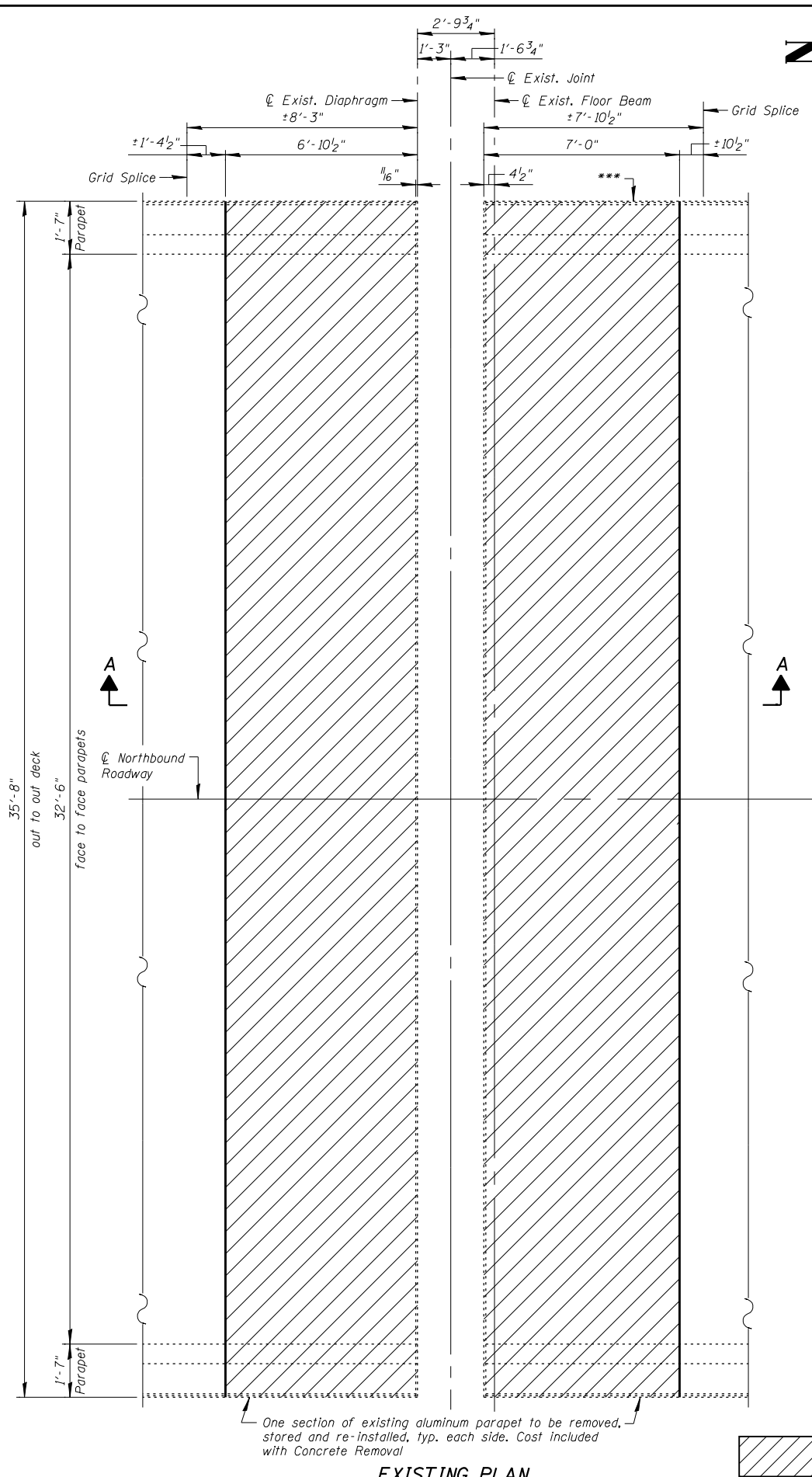
Notes:
Existing reinforcement bars shall be cleaned and incorporated into the new construction. Cost Included with Concrete Removal



GRATE CUTTING DETAIL

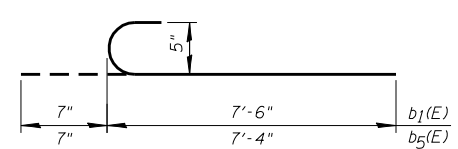
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	PLT SCALE = 5/8"=1'-0" / 1/4" IN.	CHECKED - B.N.S./J.W.	REVISED -			SHEET NO. 525 OF 560 SHEETS		CONTRACT NO. 60R62		ILLINOIS FED. AID PROJECT		
	PLT DATE = 3/19/2013	DRAWN - F.M.	REVISED -									
		DATE - MARCH 20, 2013	REVISED -									

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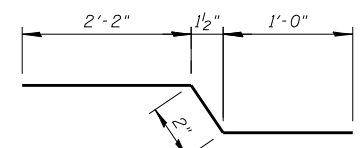


BILL OF MATERIAL

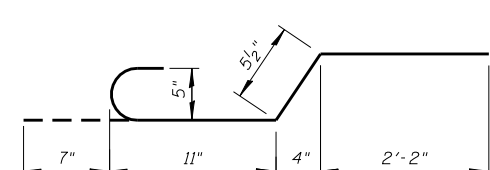
Bar	No.	Size	Length	Shape
a(E)	74	#5	15'-10"	—
a2(E)	12	#5	6'-0"	—
b1(E)	37	#5	8'-1"	U
b3(E)	74	#5	3'-4"	U
b4(E)	54	#5	8'-4"	U
b5(E)	37	#5	7'-11"	U
b6(E)	108	#5	4'-2"	U
b7(E)	54	#5	8'-2"	U
b8(E)	37	#5	4'-4"	U
Reinforcement Bars, Epoxy Coated		Pound	3,740	
Concrete Removal		Cu Yd	13.1	
Concrete Superstructure		Cu Yd	15.6	



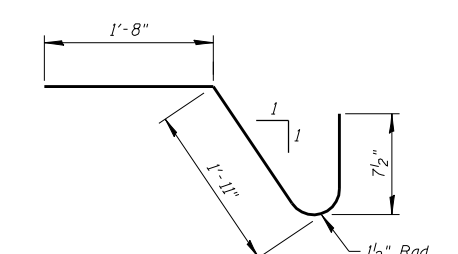
BARS b₁(E) & b₅(E)



BAR b₃(E)



BAR b₆(E)



BAR b₈(E)

*17 a(E) bars at 5 1/2" cts., top,
17 a(E) bars at 5 1/2" cts., bott. &
3 a(E) bars in haunch as shown in Section B-B

**Length of block out, width of joint and number of reinforcement bars may vary as required by Joint Manufacturer

***1/2" ∅ to be cut at the removal line, typ.

LEGEND:



Concrete Removal

EXISTING PLAN

PROPOSED PLAN

Note:
See Sht. S27 for Section A-A

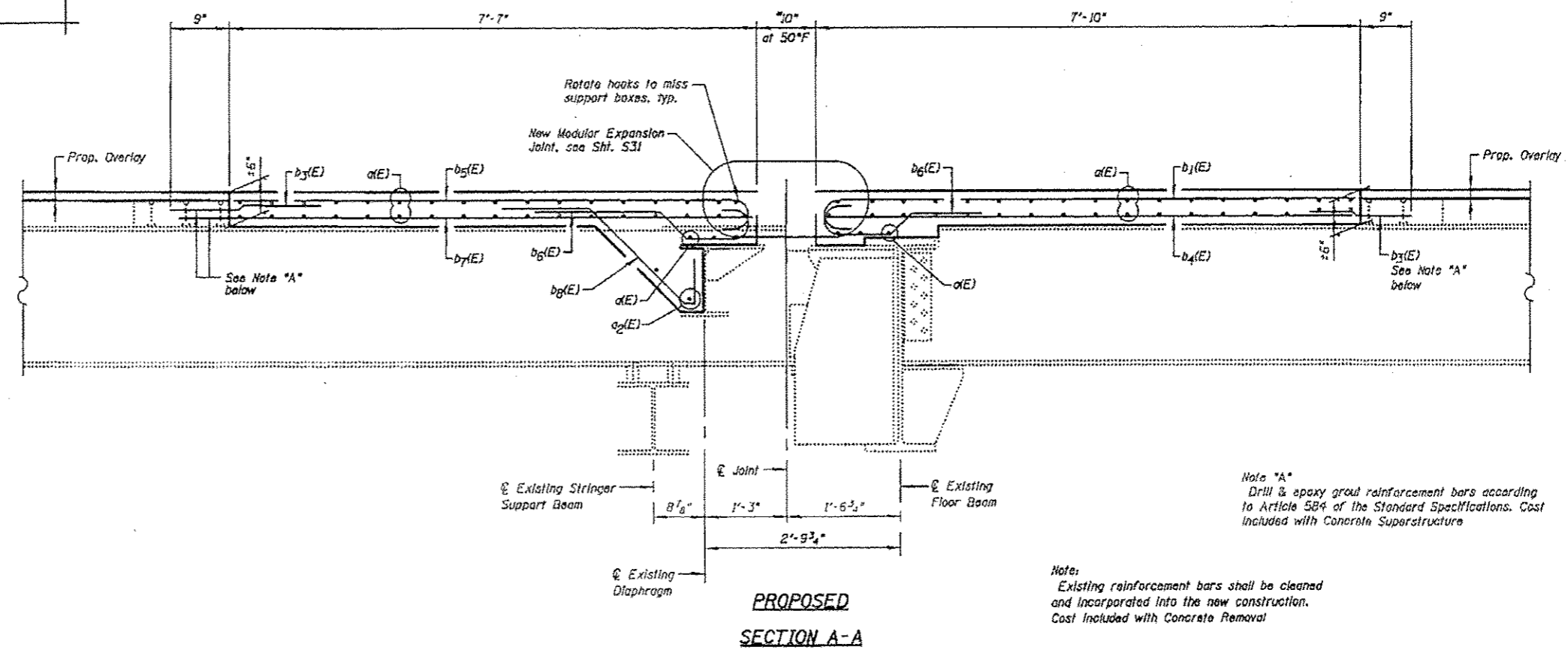
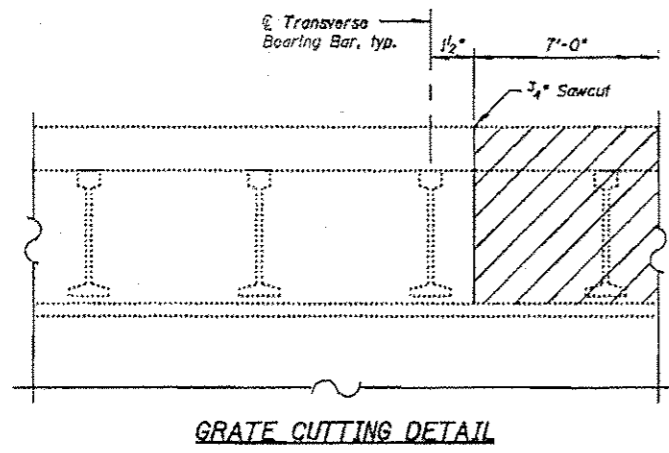
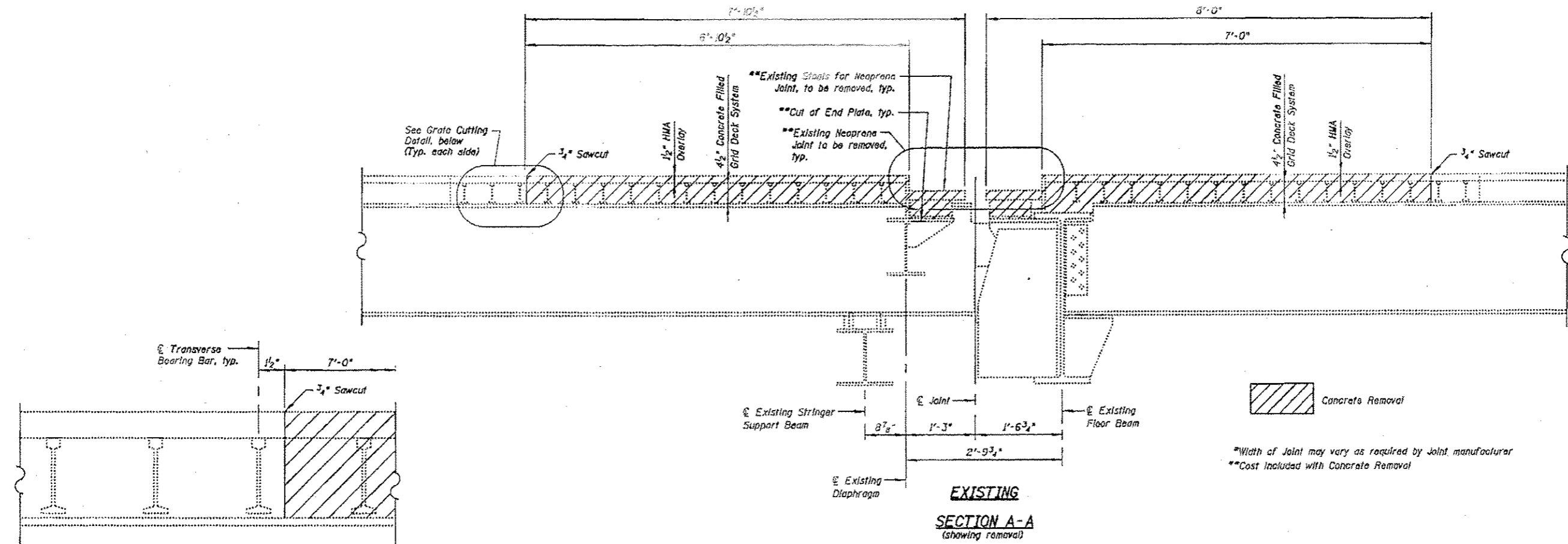


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PLOT SCALE = 1/8" = 1'-0"	CHECKED - B.N.S./J.W.	REVISED -
PLOT DATE = 1/18/2013	DRAWN - F.M.	REVISED -
	DATE - JANUARY 16, 2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXPANSION JOINT RECONSTRUCTION AT L13-NORTHBOUND-I
STRUCTURE NO. 099-0009**

F.A.I. RTE. 55	SECTION 87B, D-BR-I	COUNTY WILL	TOTAL SHEETS 106	SHEET NO. 65
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				



*Width of Joint may vary as required by Joint manufacturer
 **Cost Included with Concrete Removal

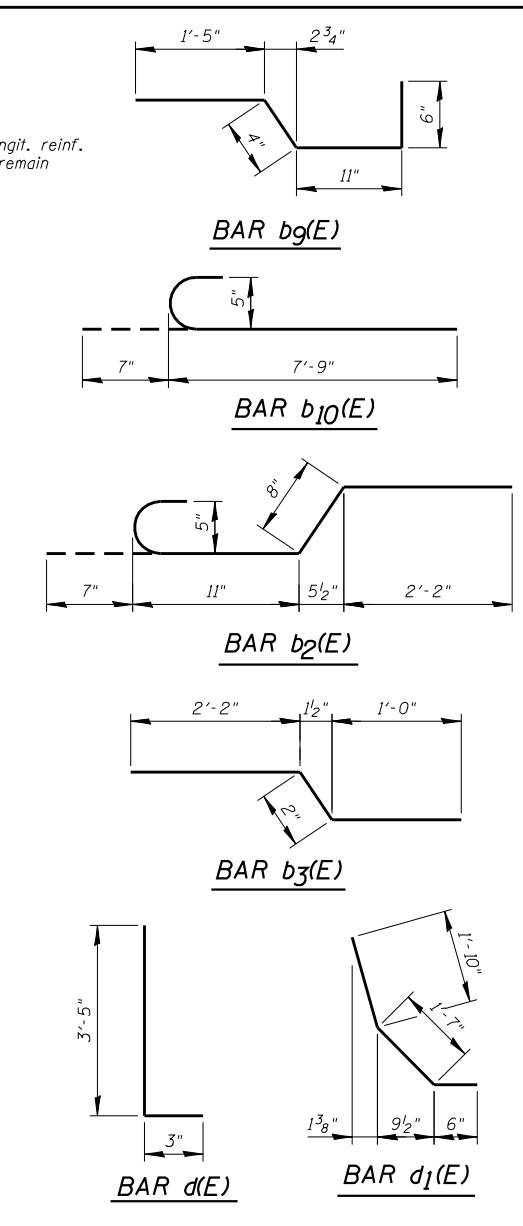
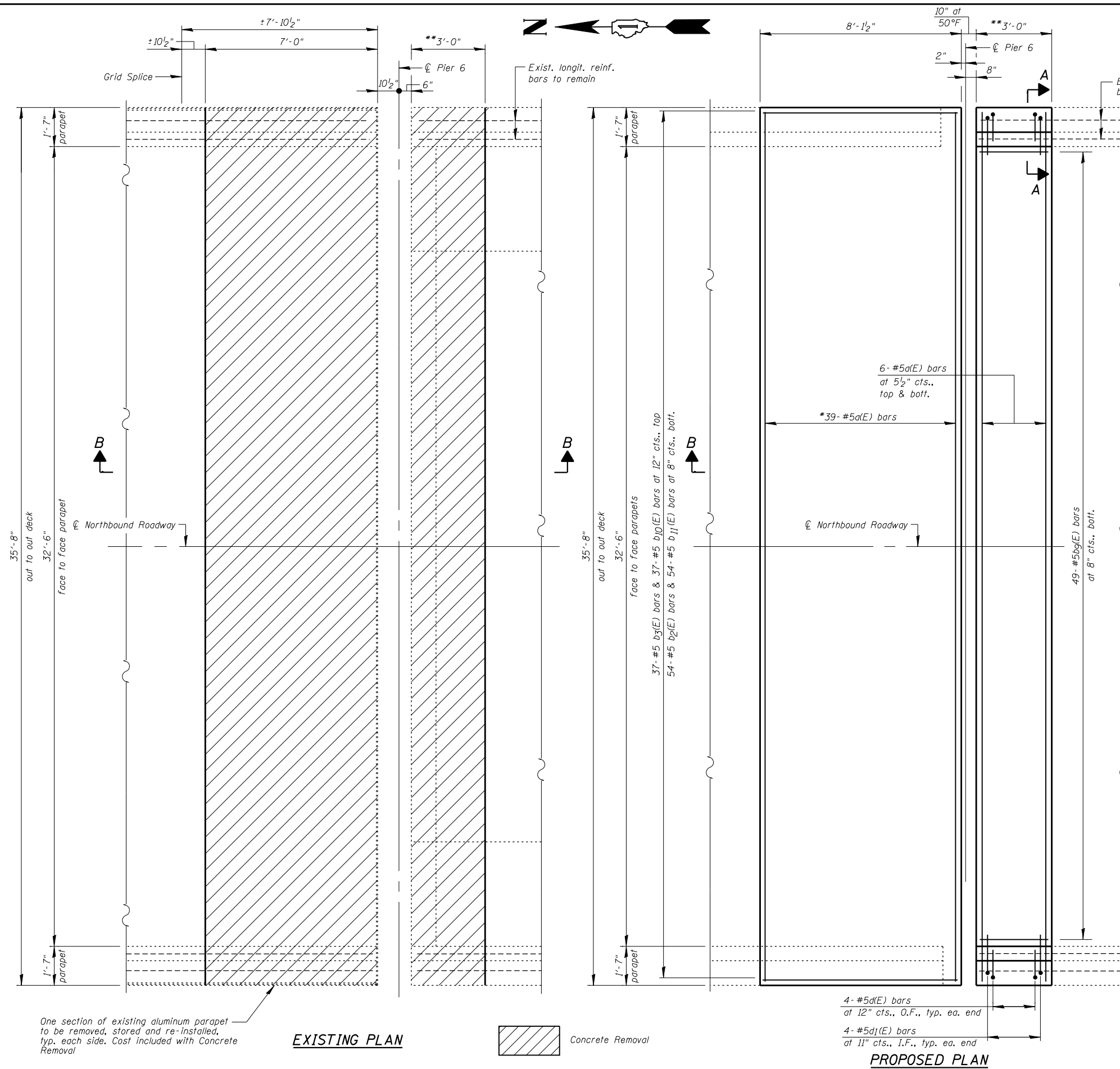
Note "A"
 Drill & epoxy grid reinforcement bars according to Article 584 of the Standard Specifications. Cost included with Concrete Superstructure

Note:
 Existing reinforcement bars shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal

FILE NAME: I:\103033-1-55 over Dwg Files\Struct\Struct\1\103033-1-55.dwg

	USER NAME = 1007	DESIGNED = J.C.N./B.N.S./J.W.	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXPANSION JOINT RECONSTRUCTION AT I13-NORTHBOUND-II STRUCTURE NO. 099-0009	F.A.I. R.T.E. = 55	SECTION = 87B, D-BR-1	COUNTY = WILL	TOTAL SHEETS = 106	SHEET NO. = 66
	PLOT SCALE = 5/8" = 1' / 1/4" PLOT DATE = 3/19/2013	CHECKED = B.N.S./J.W. DRAWN = F.M. DATE = MARCH 20, 2013	REVISED = REVISED = REVISED =			SHEET NO. 527 OF 560 SHEETS ILLINOISIFIED, A&P PROJECT				

FILE NAME = :1\103103.1+55 over des plames\structural\cead sheets\160R62-2B-jt-reconst-NB_pier-6-1.dgn

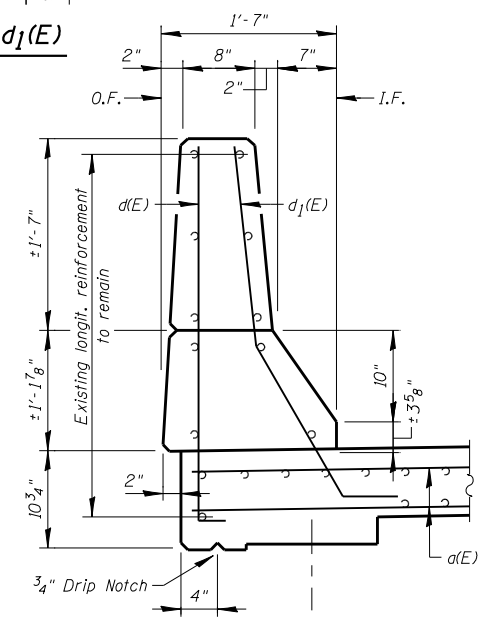


BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	51	#5	15'-10"	—
b ₂ (E)	54	#5	4'-4"	⌋
b ₃ (E)	37	#5	3'-4"	⌋
b ₉ (E)	49	#5	3'-4"	⌋
b ₁₀ (E)	37	#5	8'-4"	⌋
b ₁₁ (E)	54	#5	8'-7"	—
d(E)	8	#5	3'-8"	L
d ₁ (E)	8	#5	3'-11"	⌋
Reinforcement Bars, Epoxy Coated		Pound	2,250	
Concrete Removal		Cu Yd	12.4	
Concrete Superstructure		Cu Yd	12.4	

Note:
See Sht. S29 for Section B-B

LEGEND:
O.F. = Outside Face
I.F. = Inside Face



*18 a(E) bars at 5 1/2\"/>

**Length of block out, width of joint and number of reinforcement bars may vary as required by Joint Manufacturer

One section of existing aluminum parapet to be removed, stored and re-installed, typ. each side. Cost included with Concrete Removal

EXISTING PLAN



4- #5d(E) bars at 12\"/>

4- #5d₁(E) bars at 11\"/>

PROPOSED PLAN



USER NAME = IDOT	DESIGNED - J.C.N./B.N.S./J.W.	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - B.N.S./J.W.	REVISED -
PLOT DATE = 1/18/2013	DRAWN - F.M.	REVISED -
	DATE - JANUARY 16, 2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXPANSION JOINT RECONSTRUCTION AT PIER 6-NORTHBOUND-I
STRUCTURE NO. 099-0009**

SHEET NO. S28 OF S60 SHEETS

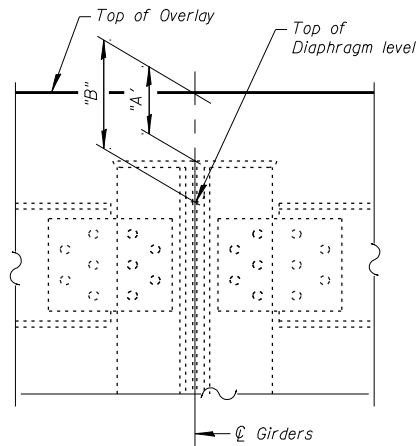
F.A.I. RTE. 55	SECTION 87B, D-BR-I	COUNTY WILL	TOTAL SHEETS 106	SHEET NO. 67
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				

APPROACH SIDE

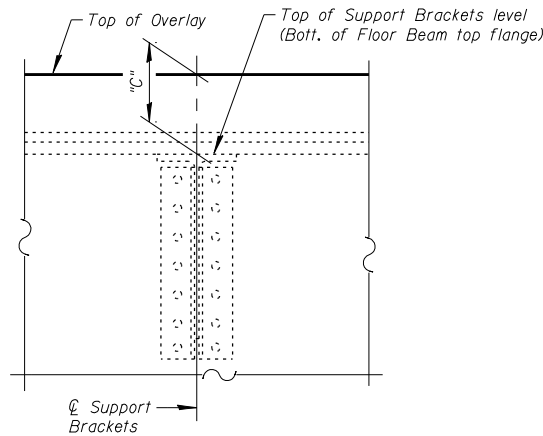
Girder	Dim. "A" at Bearing	Dim. "B" at Bearing
1	8 1/2"	10 1/2"
2	8 7/16"	11 1/16"
3	8 13/16"	1'-0 15/16"
℄ Roadway	-	1'-1 9/16"

TRUSS SIDE

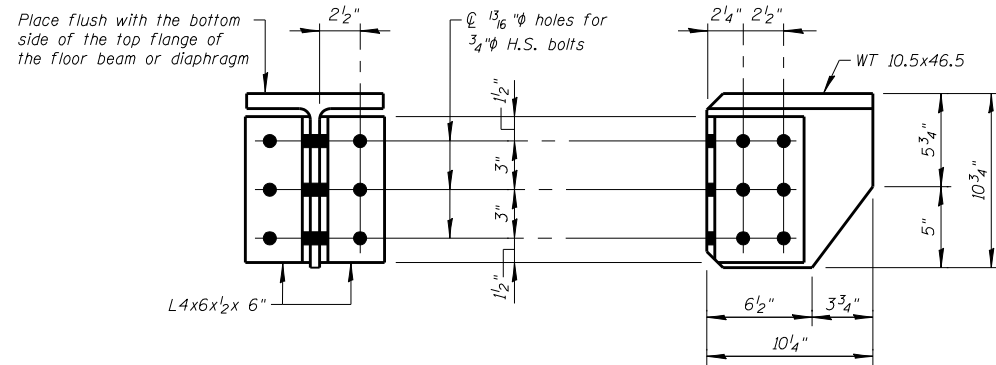
Support	Dim. "C" at Support
A	9 3/16"
B	9 7/16"
C	9 7/8"
D	10 5/16"
E	10 11/16"
F	11 1/16"
G	11 1/2"
H	11 5/16"
℄ Roadway	12 1/8"



TYPICAL
(At South side of joint)



TYPICAL
(At South side of joint)



NEW SUPPORT BRACKET DETAILS
(Cost included with Modular Expansion Joint 6")

Notes:

Modular Expansion Joint shall be designed according to the latest ASTM Specifications for HS20 Loading with 30% Impact and for minimum movement of ±3" (Total of 6"). See Special Provisions for Modular Expansion Joint.

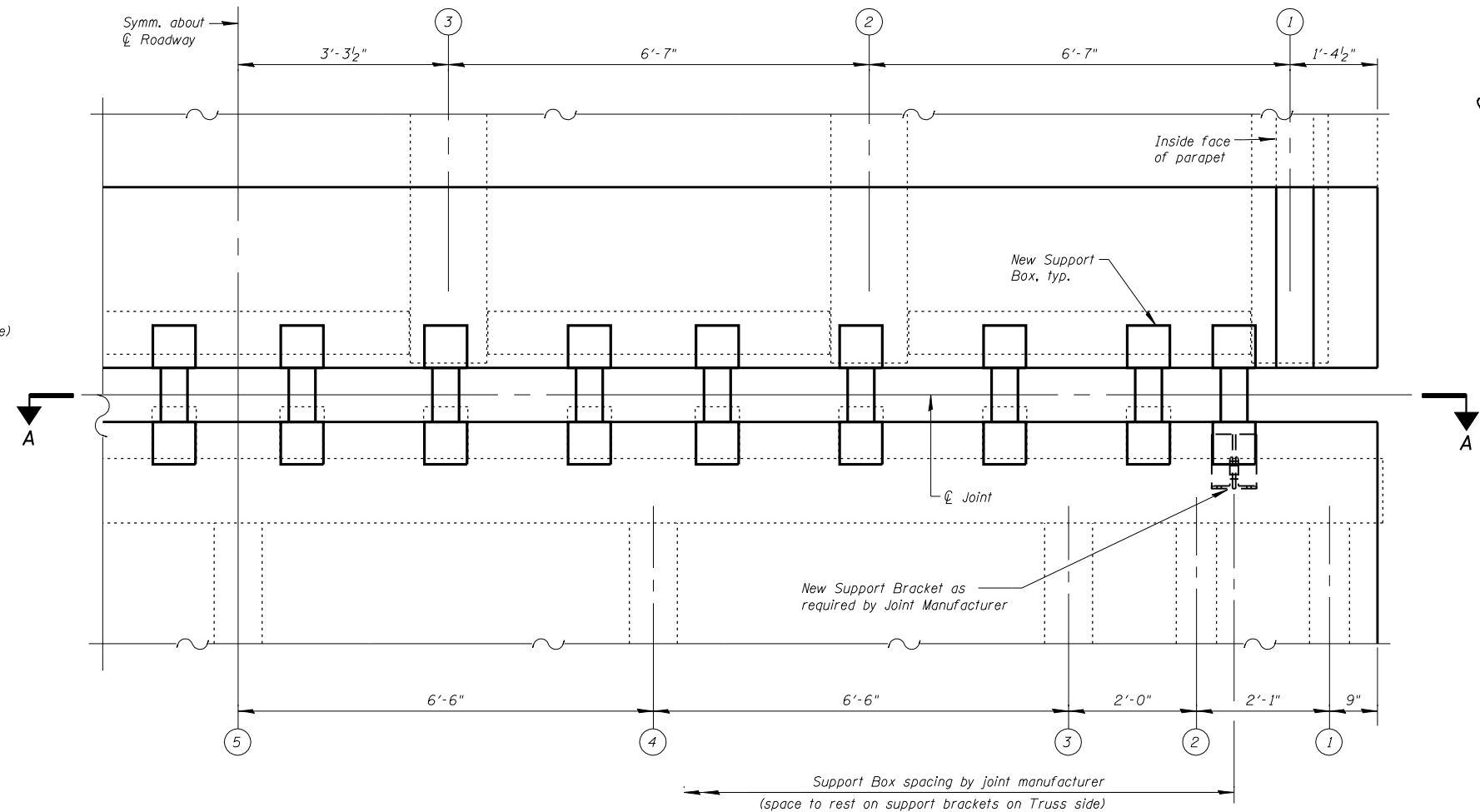
Joint shall be fabricated and installed according to the manufacturer's recommendations and as approved by the Engineer. Support brackets may be added as required by Modular Expansion Joint Fabricator. See New Support Bracket Details. Cost included with Modular Expansion Joint.

Joint shall be fabricated to conform to the existing cross slopes. See Sht's. S3 & S4 for details. Match existing conditions.

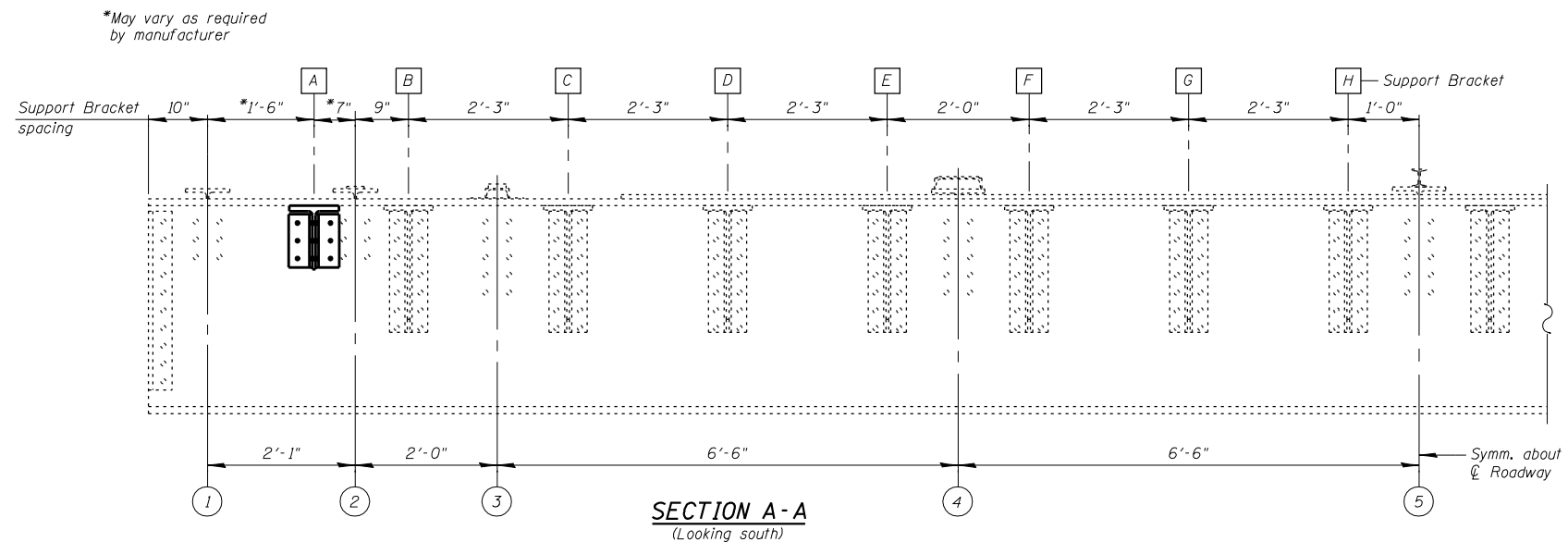
Cost of all hardware and installation of steel bearing shim plates and additional reinforcement required to anchor the joint to the slab shall be included with "Modular Expansion Joint".

The Inorganic zinc rich primer / acrylic / acrylic paint system shall be used for shop and field painting of new structural steel except no top coat required in non-exposed areas. The color of the acrylic finish coat shall be Gray, Munsell No. 5B 7/1. See Special Provision for "Cleaning and Painting New Metal Structures".

Modular Expansion Joints shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.



PARTIAL PLAN AT PIERS 3 & 6



SECTION A-A
(Looking south)

BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Modular Expansion Joint 6"	Foot	36

FILE NAME = I:\103103.1-55 over des planes\structure\cadd sheets\160R62-30-modular_exp-jt-NB-Pier-.3.dgn



USER NAME = IDOT
PLOT SCALE = 100.0000' / IN.
PLOT DATE = 1/18/2013

DESIGNED - J.C.N./B.N.S./J.W.
CHECKED - B.N.S./J.W.
DRAWN - F.M.
DATE - JANUARY 16, 2013

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MODULAR EXPANSION JOINT DETAILS AT PIERS 3 & 6-NORTHBOUND
STRUCTURE NO. 099-0009

SHEET NO. S30 OF S60 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	69

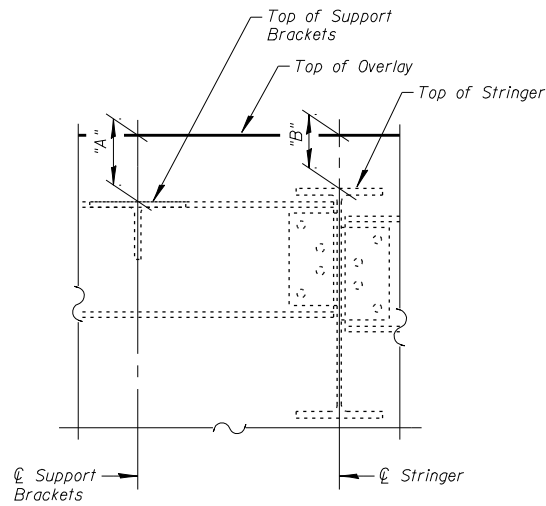
CONTRACT NO. 60R62
ILLINOIS FED. AID PROJECT

NORTH SIDE OF JOINT

Stringer or Support	Dim. "A" at Support	Dim. "B" at Bearing
1	-	5 ³ / ₁₆ "
A	9 ¹ / ₂ "	-
2	-	6 ³ / ₁₆ "
B	9 ¹ / ₄ "	-
3	-	8 ¹ / ₈ "
C	9 ⁷ / ₈ "	-
D	10 ³ / ₁₆ "	-
E	10 ⁹ / ₁₆ "	-
4	-	7 ⁷ / ₈ "
F	9 ³ / ₈ "	-
G	9 ³ / ₄ "	-
H	10 ¹ / ₁₆ "	-
J	10 ³ / ₈ "	-
5	-	8 ³ / ₄ "

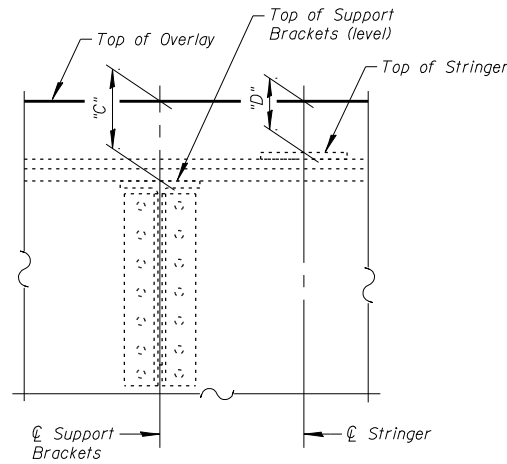
SOUTH SIDE OF JOINT

Stringer or Support	Dim. "C" at Support	Dim. "D" at Bearing
1	-	5 ³ / ₁₆ "
A	9"	-
2	-	6 ³ / ₁₆ "
B	9 ¹ / ₄ "	-
3	-	8 ¹ / ₈ "
C	9 ¹ / ₁₆ "	-
D	10"	-
E	10 ⁵ / ₁₆ "	-
F	10 ⁵ / ₈ "	-
4	-	7 ⁷ / ₈ "
G	10 ⁷ / ₈ "	-
H	11 ¹ / ₄ "	-
J	11 ⁵ / ₈ "	-
K	12"	-
5	-	8 ³ / ₄ "



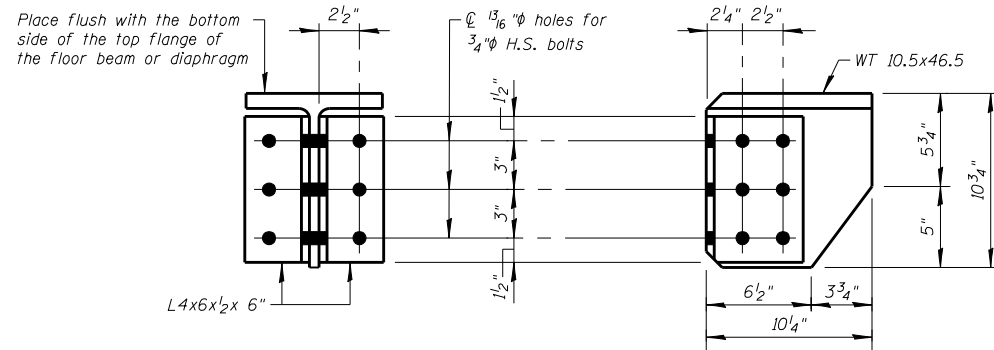
TYPICAL

(At North side of joint)



TYPICAL

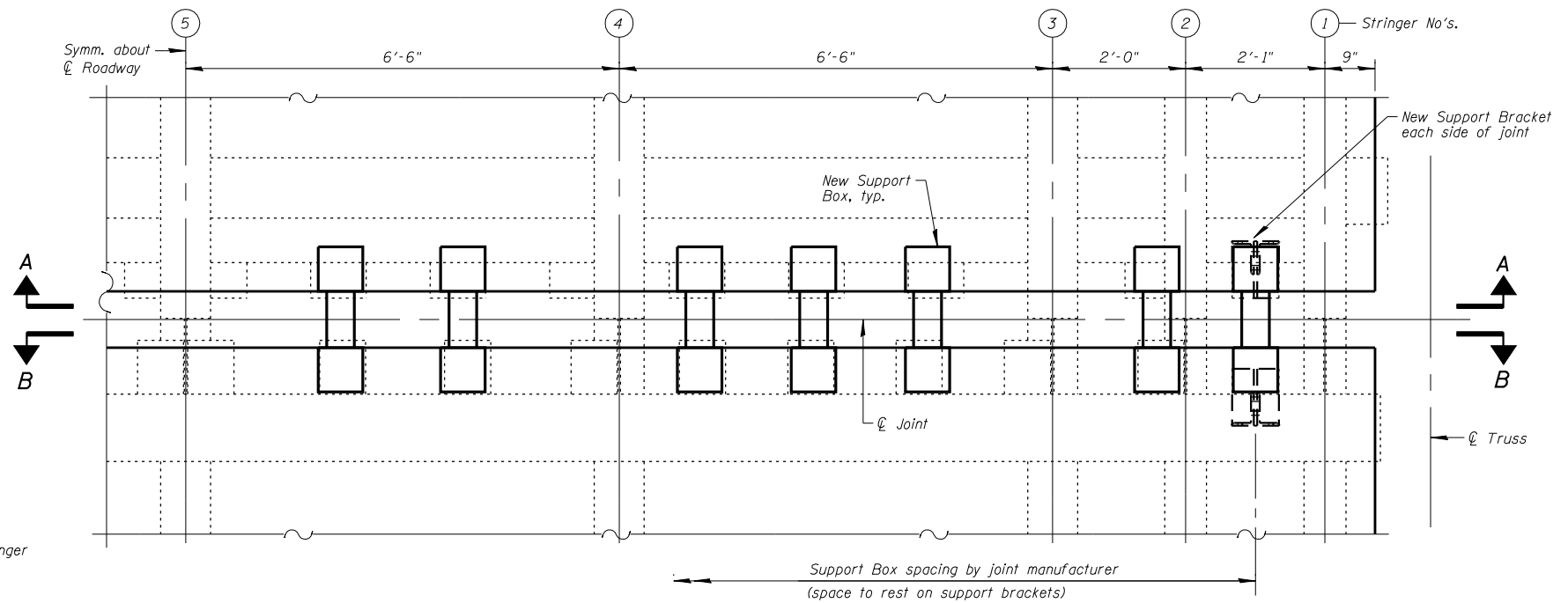
(At South side of joint)



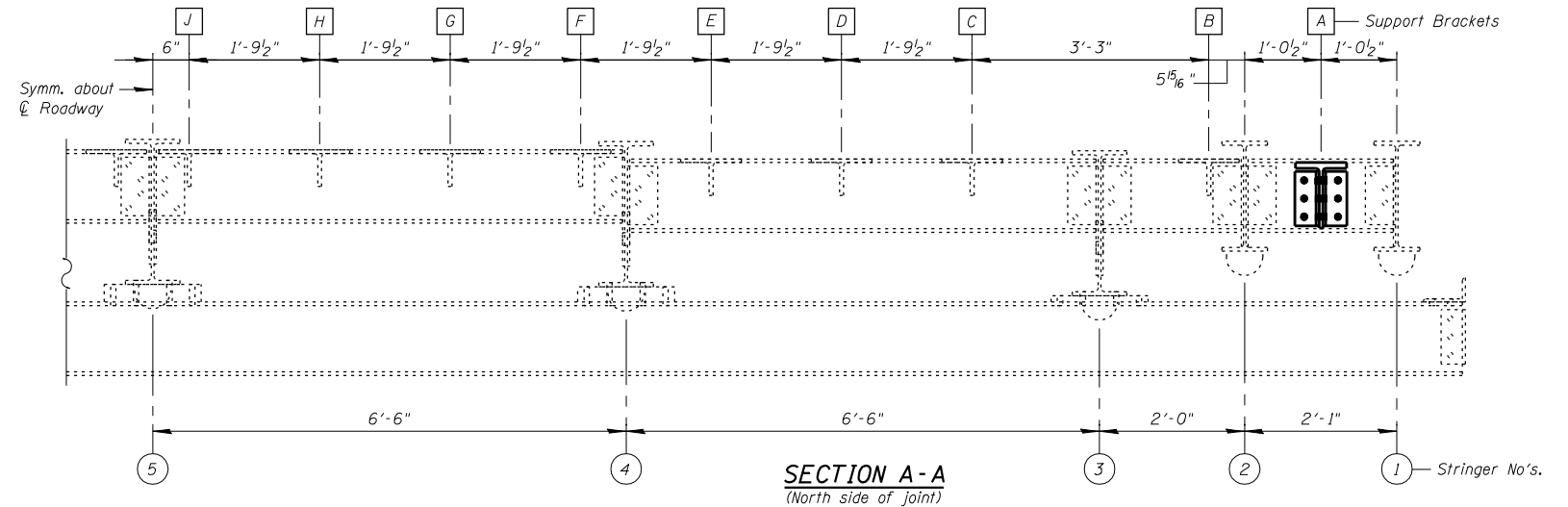
NEW SUPPORT BRACKET DETAILS

(Cost included with Modular Expansion Joint 6")

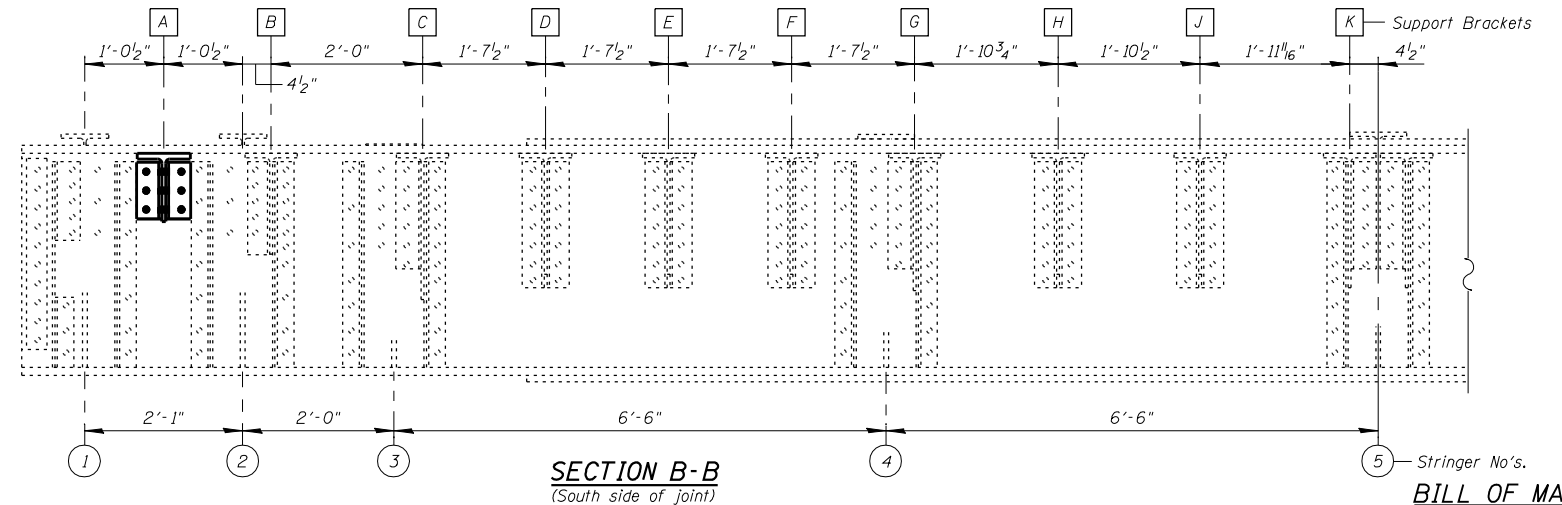
Notes:
 Modular Expansion Joint shall be designed according to the latest ASTM Specifications for HS20 Loading with 30% Impact and for minimum movement of ±3" (Total of 6"). See Special Provisions for Modular Expansion Joint.
 Joint shall be fabricated and installed according to the manufacturer's recommendations and as approved by the Engineer. Support brackets may be added as required by Modular Expansion Joint Fabricator. See New Support Bracket Details. Cost included with Modular Expansion Joint.
 Joint shall be fabricated to conform to the existing cross slopes. See Sht's. S3 & S4 for details. Match existing conditions.
 Cost of all hardware and installation of steel bearing shim plates and additional reinforcement required to anchor the joint to the slab shall be included with "Modular Expansion Joint".
 The Inorganic zinc rich primer / acrylic / acrylic paint system shall be used for shop and field painting of new structural steel except no top coat required in non-exposed areas. The color of the acrylic finish coat shall be Gray, Munsell No. 5B 7/1. See Special Provision for "Cleaning and Painting New Metal Structures".
 Modular Expansion Joints shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.



PARTIAL PLAN AT L13



SECTION A-A
(North side of joint)



SECTION B-B
(South side of joint)

BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Modular Expansion Joint 6"	Foot	36

FILE NAME = it:103103.1+55 over des planes\structure\cadd sheets\160R62-31-modular-exp-jt-NB-L13.dgn

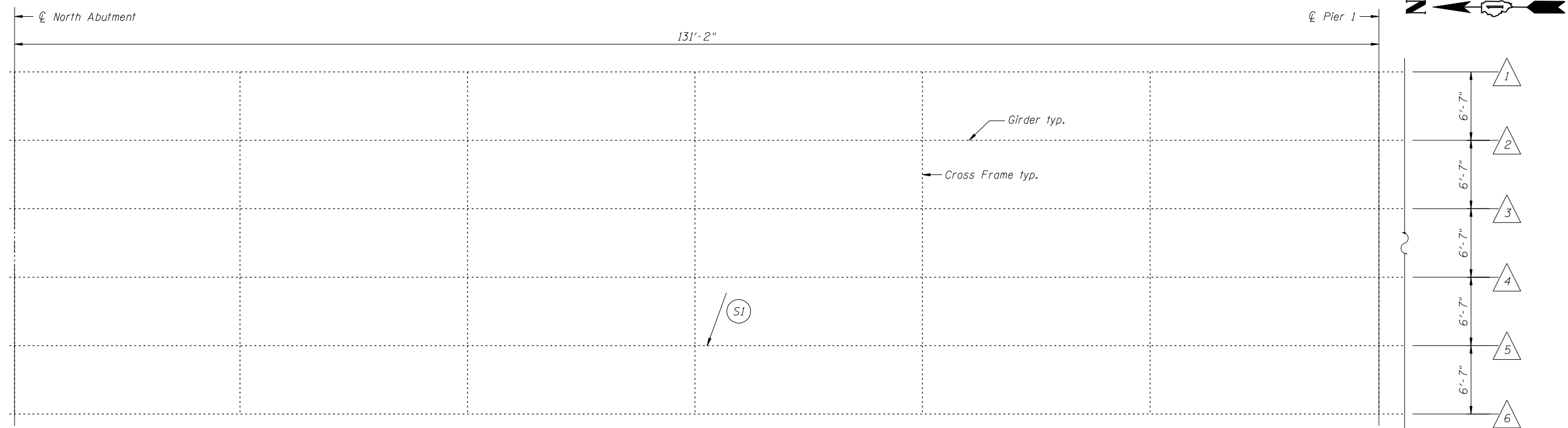
CHRISTIAN-ROGE & ASSOCIATES, INC.

USER NAME = IDOT	DESIGNED - J.C.N./B.N.S./J.W.	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - B.N.S./J.W.	REVISED -
PLOT DATE = 1/18/2013	DRAWN - F.M.	REVISED -
	DATE - JANUARY 16, 2013	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

MODULAR EXPANSION JOINT DETAILS AT L13-NORTHBOUND STRUCTURE NO. 099-0009

F.A.I. RTE. 55	SECTION 87B, D-BR-1	COUNTY WILL	TOTAL SHEETS 106	SHEET NO. 70
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				

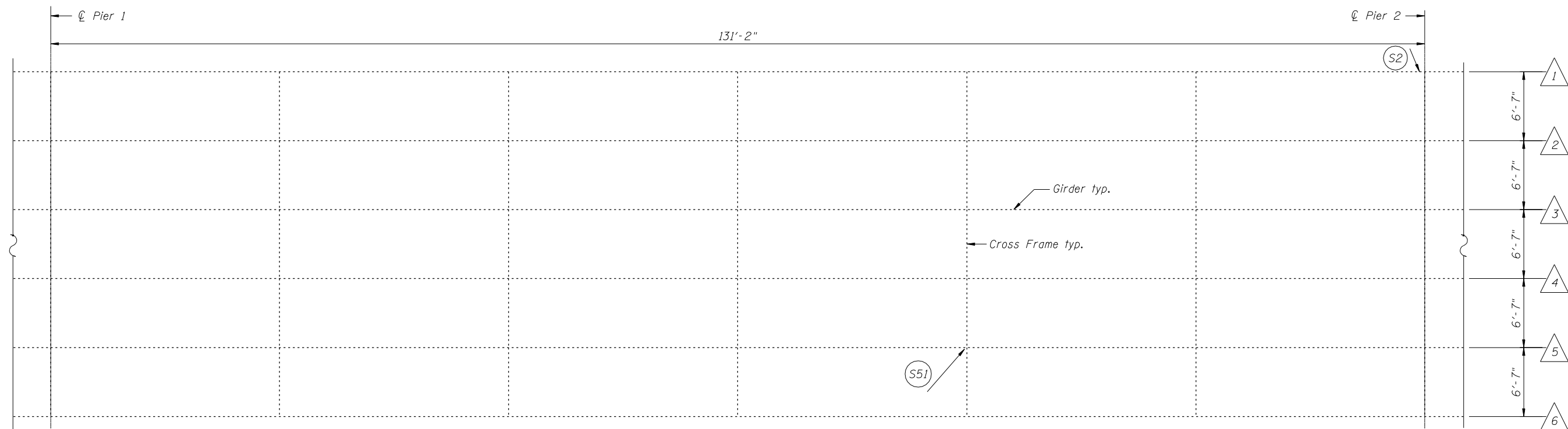


FRAMING PLAN - SPAN 1

*See Structural Steel Repair Tables on Sht's. S42 & S44

LEGEND:

- = *Item defect number
- △ = Girder number



FRAMING PLAN - SPAN 2

FILE NAME = \\103103.1+55 over des planes\Structural\CADD Sheets\160R62-32-SB-Framing_Plan-Ldgn

FILE NAME =	USER NAME == IDOT	DESIGNED - J.C.N./B.N.S./J.W.	REVISED -
CHRISTIAN-ROGE & ASSOCIATES, INC.		CHECKED - B.N.S./J.W.	REVISED -
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	PLOT DATE == 1/18/2013	CHECKED - JANUARY 16, 2013	REVISED -

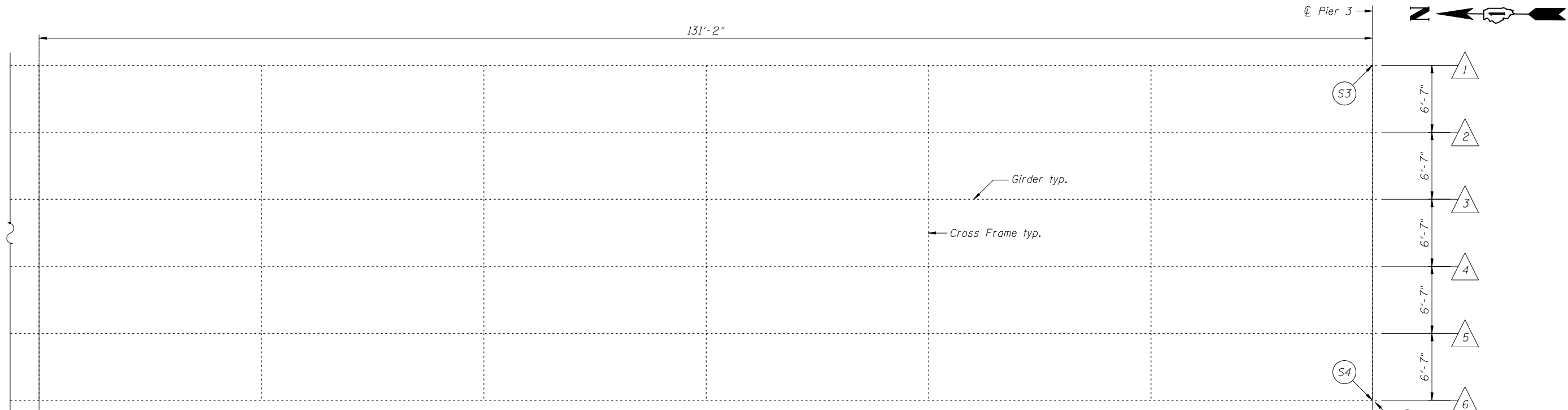
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FRAMING PLAN - SOUTHBOUND-I
STRUCTURE NO. 099-0008**

SHEET NO. S32 OF S60 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-I	WILL	106	71
CONTRACT NO. 60R62				

ILLINOIS FED. AID PROJECT

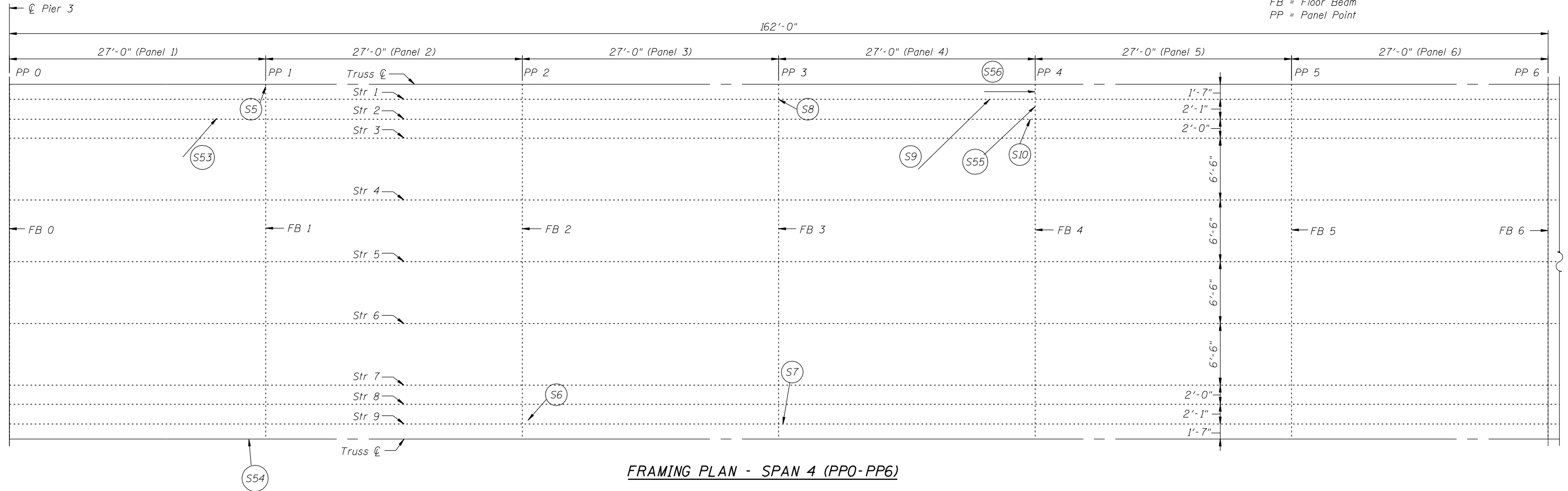


FRAMING PLAN - SPAN 3

*See Structural Steel Repair Tables on Sht's. S42 & S44

LEGEND:

- = *Item defect number
- △ = Girder number
- Str = Stringer
- FB = Floor Beam
- PP = Panel Point



FRAMING PLAN - SPAN 4 (PPO-PP6)

FILE NAME = :I:\03103.1+55 over des planes\Structural\CADD Sheets\160R62-33-SB-Framing_Plan-1.dgn



USER NAME = IDOT	DESIGNED - J.C.N./B.N.S./J.W.	REVISED -
PLOT SCALE = 0:2.0000 '1' / IN.	CHECKED - B.N.S./J.W.	REVISED -
PLOT DATE = 1/18/2013	DRAWN - F.M.	REVISED -
	DATE - JANUARY 16, 2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

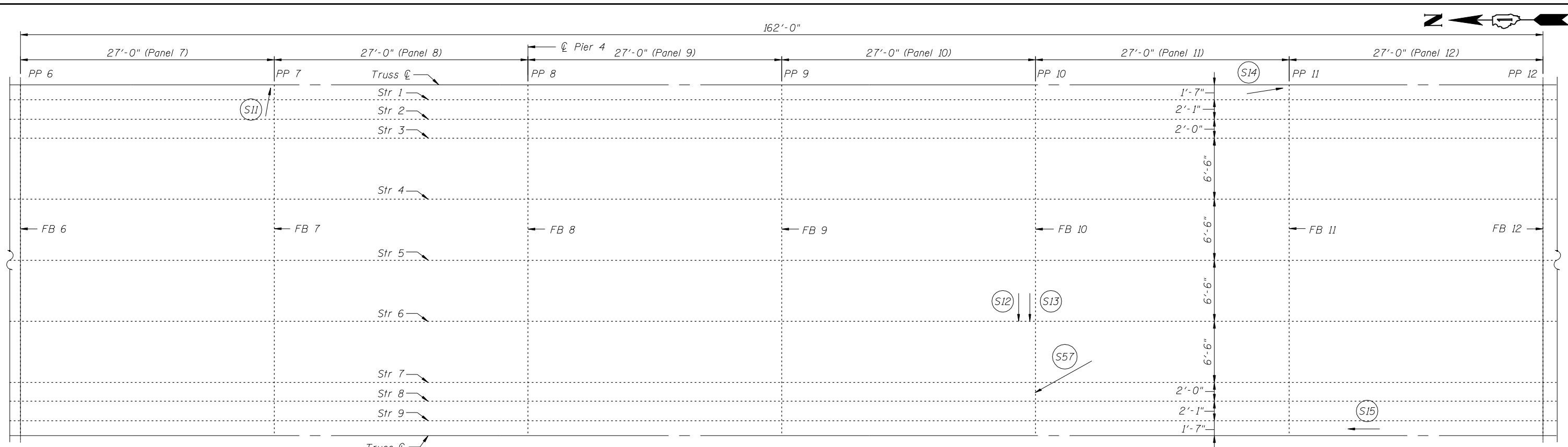
**FRAMING PLAN - SOUTHBOUND-II
STRUCTURE NO. 099-0008**

SHEET NO. S33 OF S60 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-I	WILL	106	72
CONTRACT NO. 60R62				

ILLINOIS FED. AID PROJECT

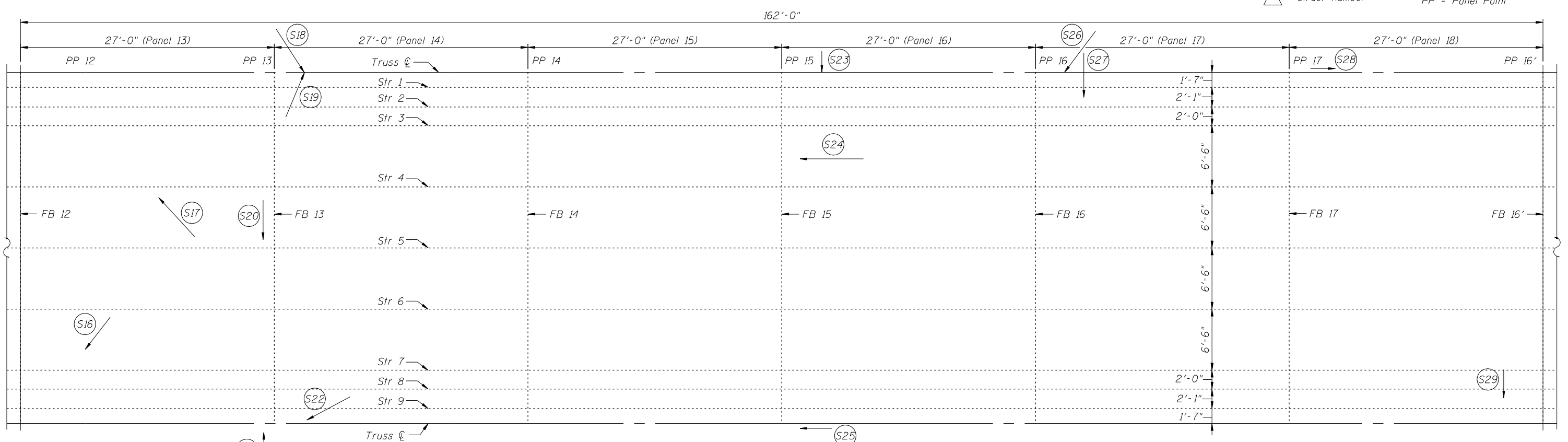
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FRAMING PLAN - SPAN 4/5 (PP6-PP12)

*See Structural Steel Repair Tables on Sht's. S42 & S44

LEGEND:
 ○ = *Item defect number
 △ = Girder number
 Str = Stringer
 FB = Floor Beam
 PP = Panel Point



FRAMING PLAN - SPAN 5 (PP12-PP16')



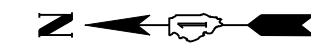
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PLOT DATE = 1/18/2013	DRAWN - F.M.	REVISED -
	DATE - JANUARY 16, 2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

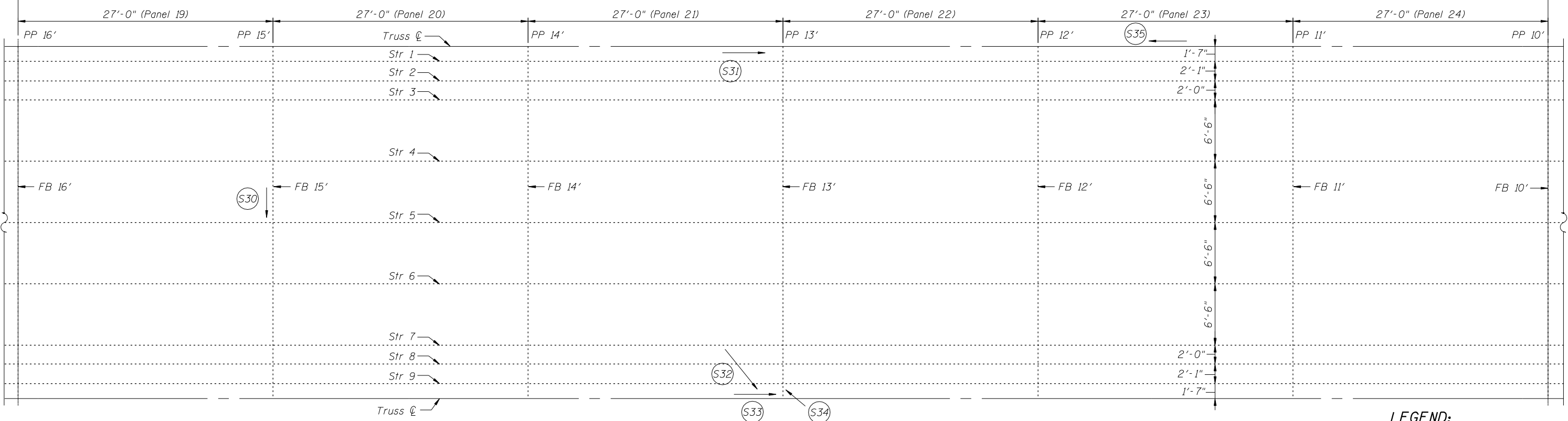
**FRAMING PLAN - SOUTHBOUND-III
STRUCTURE NO. 099-0008**

SHEET NO. S34 OF S60 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-I	WILL	106	73
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				



162'-0"



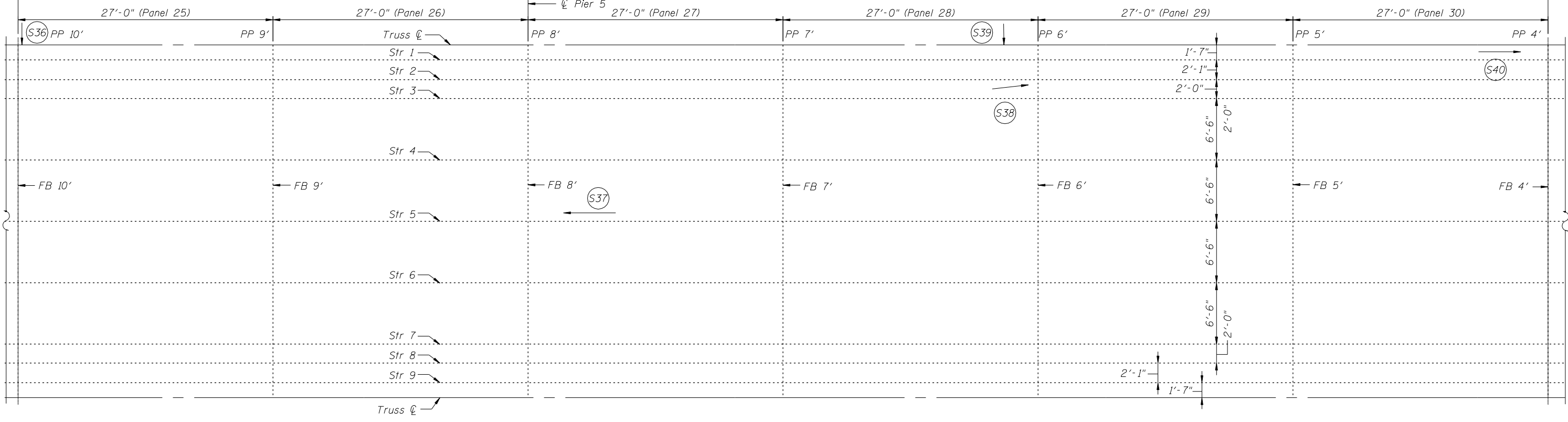
FRAMING PLAN - SPAN 5 (PP16'-PP10')

*See Structural Steel Repair Tables on Sht. S42

LEGEND:

- = *Item defect number
- Str = Stringer
- FB = Floor Beam
- PP = Panel Point

162'-0"



FRAMING PLAN - SPAN 5/6 (PP10'-PP4')

FILE NAME = :I:\03103.1+55 over des planes\Structural\CADD Sheets\160962-35-SB-Framing_Plan-IV.dgn



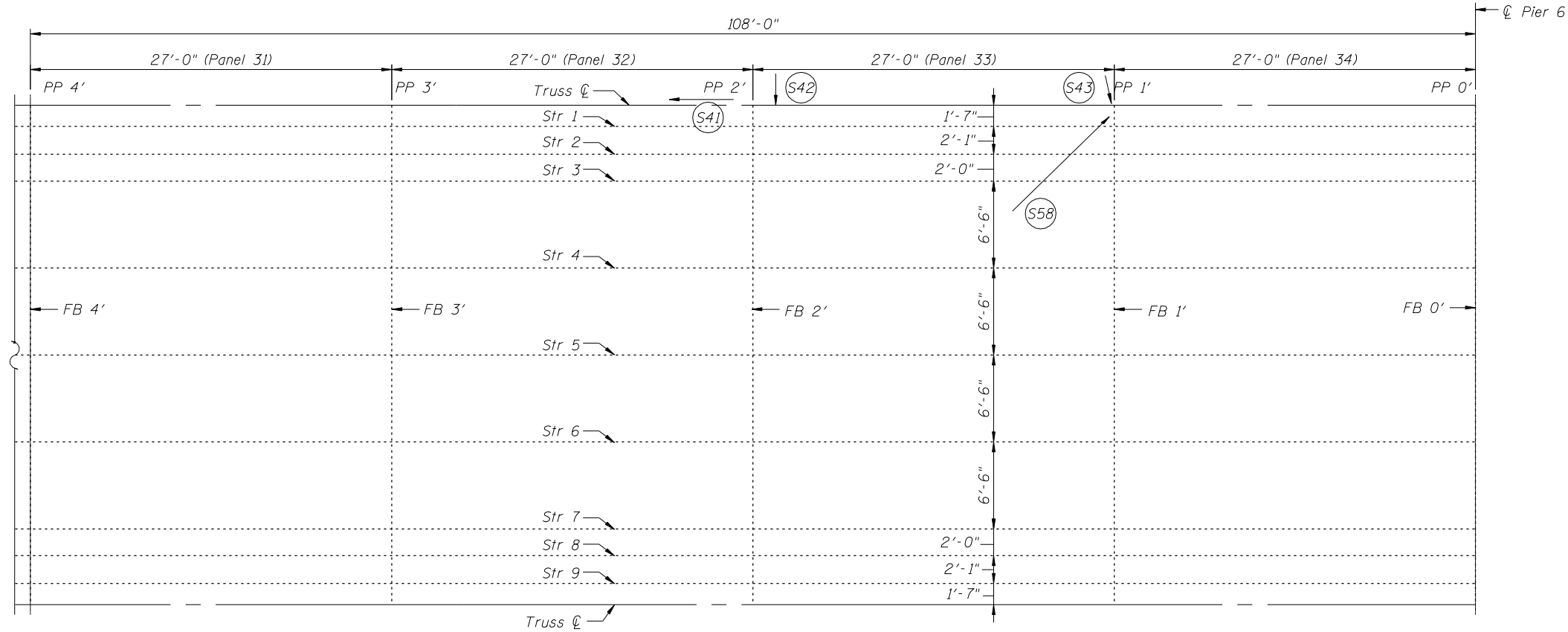
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PLOT SCALE = 0:2.0000 '1' / IN.	CHECKED - B.N.S./J.W.	REVISED -
PLOT DATE = 1/18/2013	DRAWN - F.M.	REVISED -
	DATE - JANUARY 16, 2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FRAMING PLAN - SOUTHBOUND-IV
STRUCTURE NO. 099-0008**

SHEET NO. S35 OF S60 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-I	WILL	106	74
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				

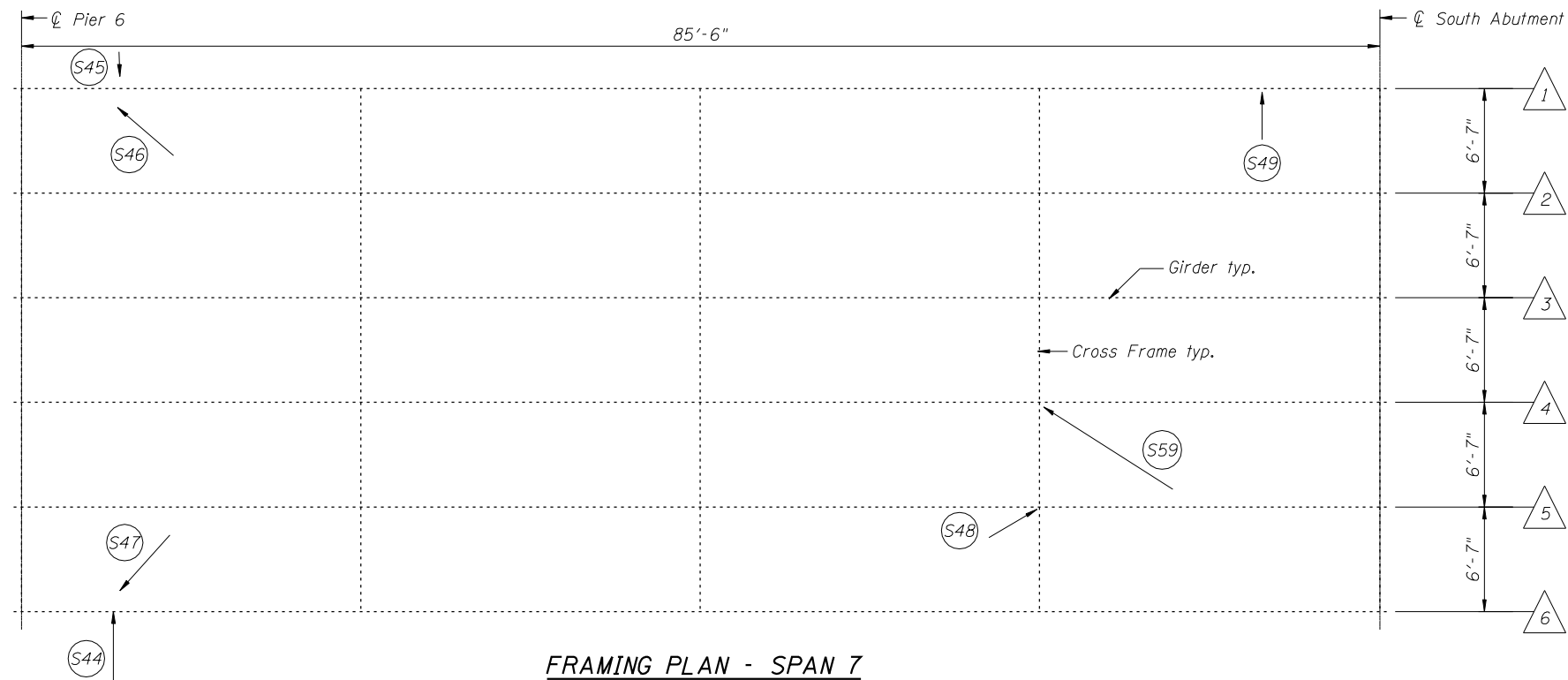


FRAMING PLAN - SPAN 6 (PP4'-PP0')

*See Structural Steel Repair Tables on Sht's. S42 & S44

LEGEND:

- = *Item defect number
- △ = Girder number
- Str = Stringer
- FB = Floor Beam
- PP = Panel Point



FRAMING PLAN - SPAN 7

FILE NAME = I:\103103.1+55 over des planes\Structural\CADD Sheets\160R62-36-SB-Framing_Plan-V.dgn



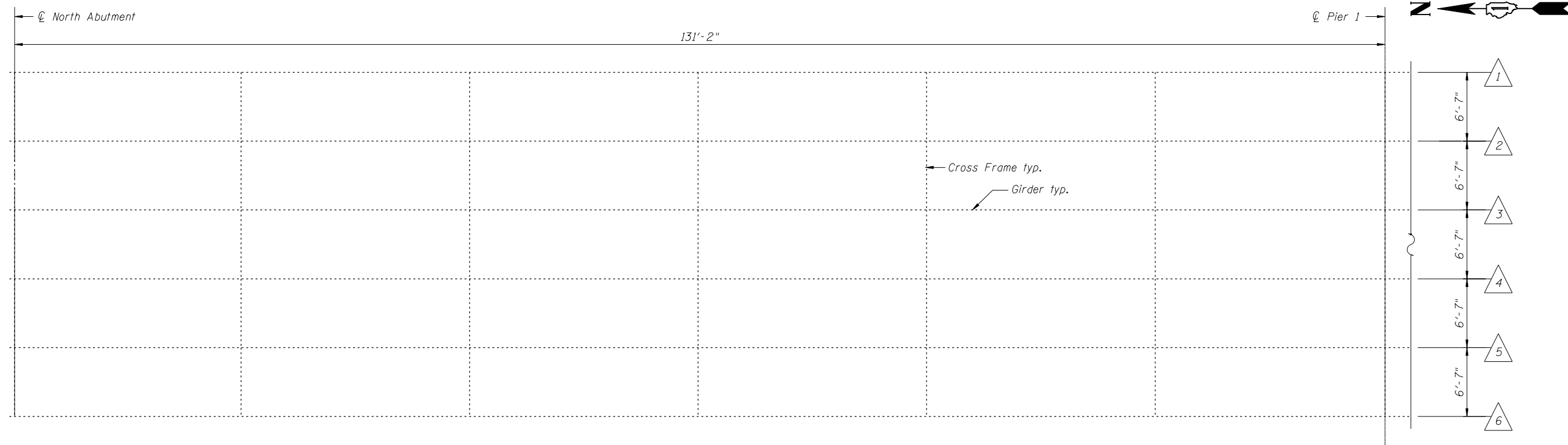
USER NAME = IDOT	DESIGNED - J.C.N./B.N.S./J.W.	REVISED -
	CHECKED - B.N.S./J.W.	REVISED -
PLOT SCALE = 0:2.0000 '1' / IN.	DRAWN - F.M.	REVISED -
PLOT DATE = 1/18/2013	DATE - JANUARY 16, 2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN - SOUTHBOUND-V
STRUCTURE NO. 099-0008

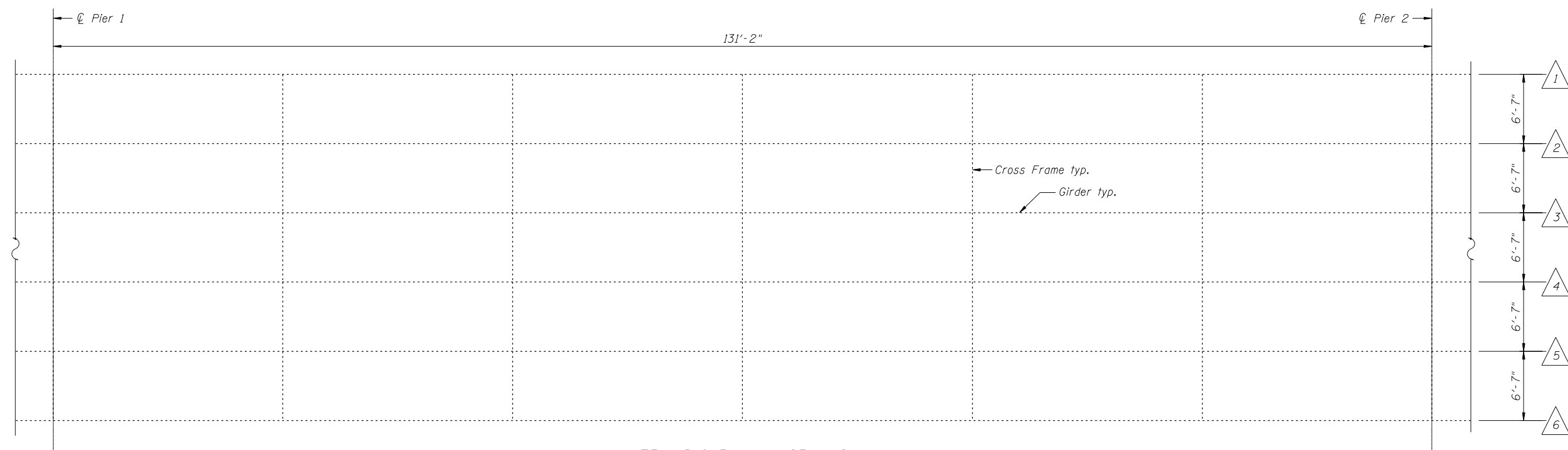
SHEET NO. S36 OF S60 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	75
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				



FRAMING PLAN - SPAN 1

LEGEND:
 △ = Girder number



FRAMING PLAN - SPAN 2

FILE NAME = I:\103103.1+55 over des planes\Structural\CADD Sheets\160R62-37-NB-Framing_Plan-1.dgn

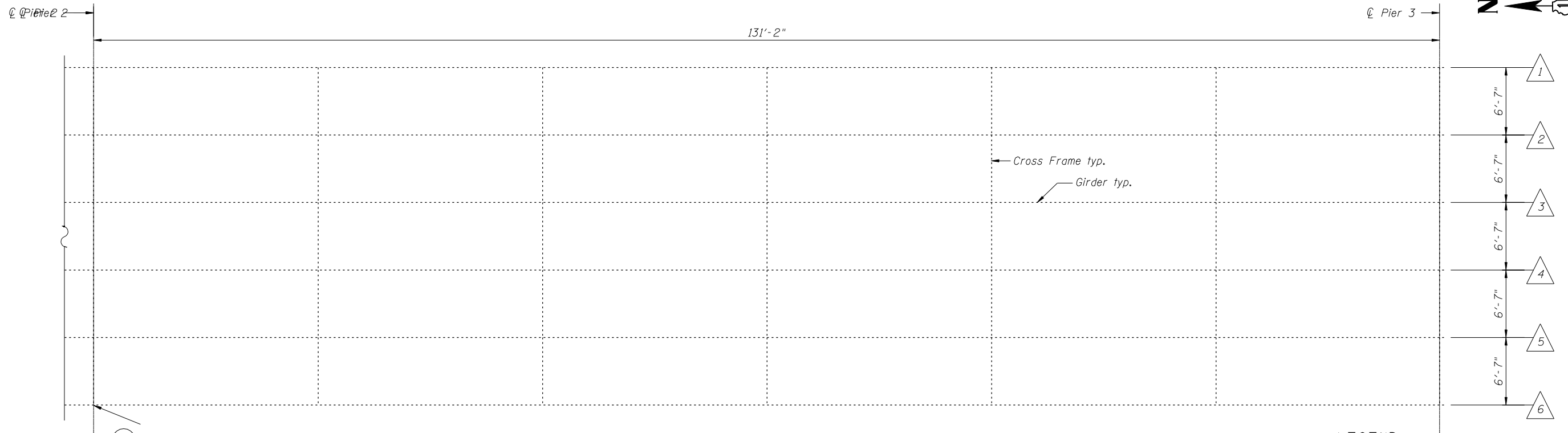
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		CHECKED - B.N.S./J.W.	REVISED -
	PLOT SCALE = 0:2.0000 '1' / IN.	DRAWN - F.M.	REVISED -
	PLOT DATE = 1/18/2013	CHECKED - JANUARY 16, 2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FRAMING PLAN - NORTHBOUND-I
 STRUCTURE NO. 099-0009**

SHEET NO. S37 OF S60 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-I	WILL	106	76
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				

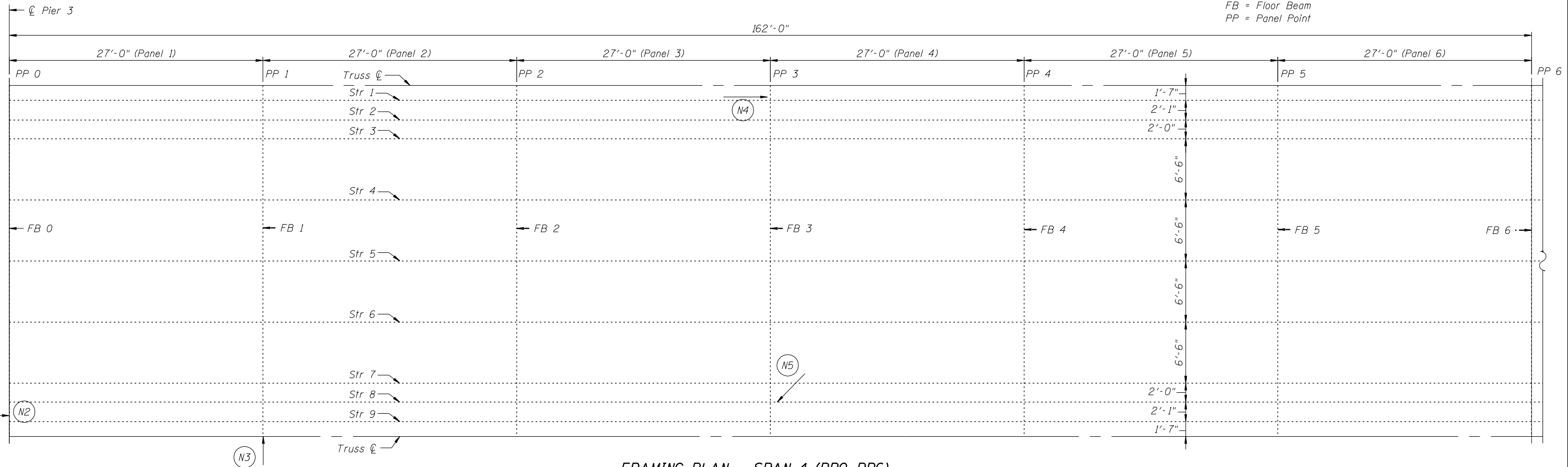


FRAMING PLAN - SPAN 3

*See Structural Steel Repair Tables on Sht. S43

LEGEND:

- = *Item defect number
- △ = Girder number
- Str = Stringer
- FB = Floor Beam
- PP = Panel Point



FRAMING PLAN - SPAN 4 (PP0-PP6)

FILE NAME = I:\103103.1+55 over des planes\Structural\CADD Sheets\160R62-38-NB-Framing_Plan-11.dgn



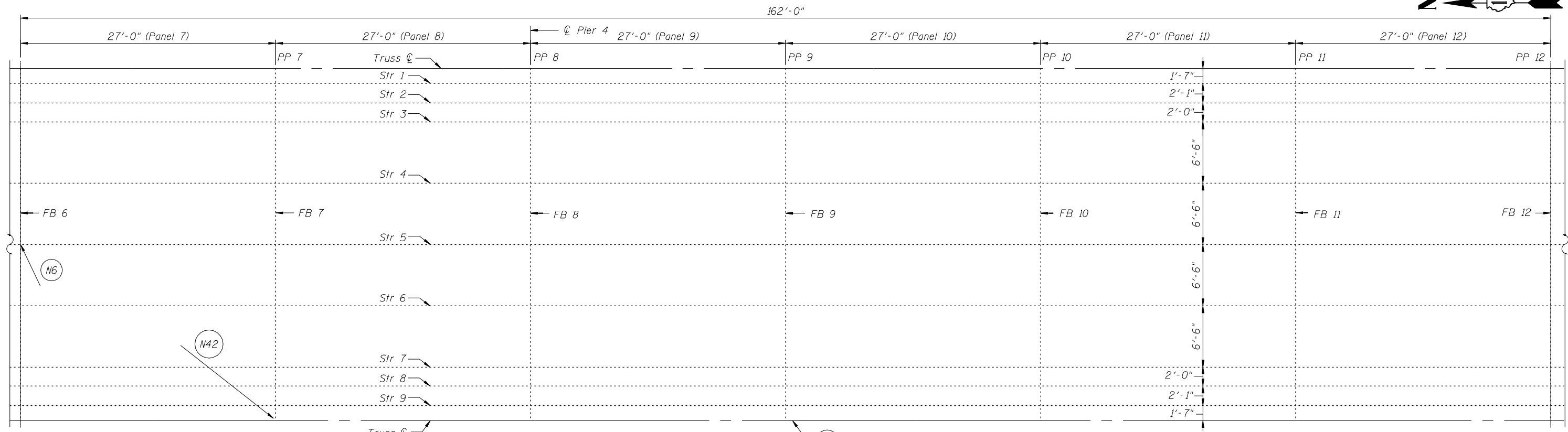
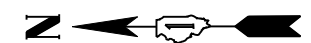
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PLOT DATE = 1/18/2013	DRAWN - F.M.	REVISED -
	DATE - JANUARY 16, 2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FRAMING PLAN - NORTHBOUND-II
STRUCTURE NO. 099-0009**

SHEET NO. S38 OF S60 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-I	WILL	106	77
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				

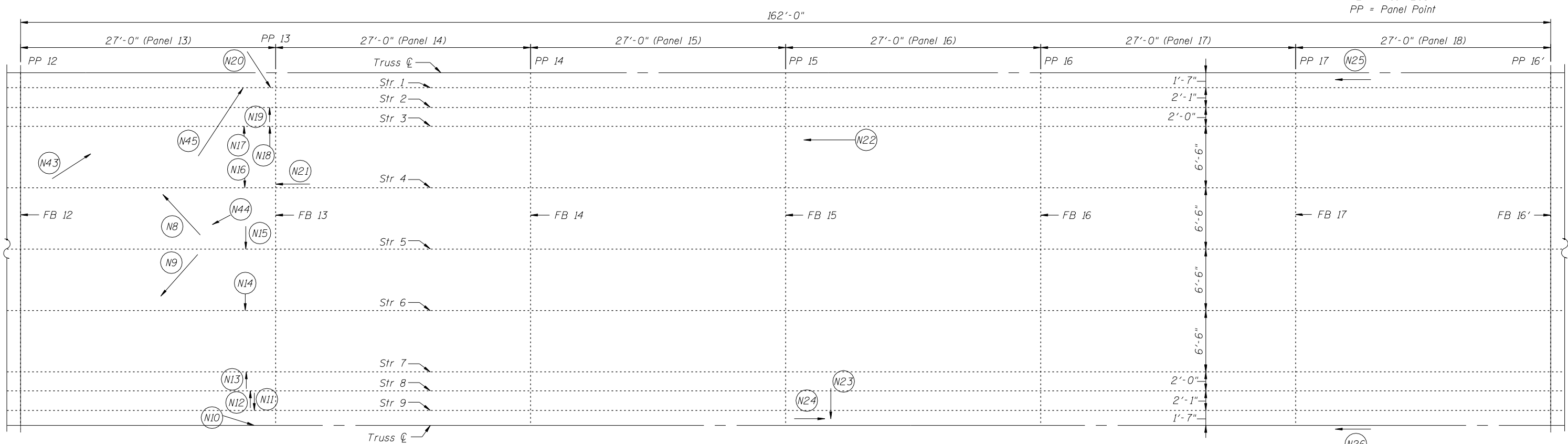


FRAMING PLAN - SPAN 4/5 (PP6-PP12)

*See Structural Steel Repair Tables on Sh'ts. S43 & S44

LEGEND:

- = *Item defect number
- Str = Stringer
- FB = Floor Beam
- PP = Panel Point



FRAMING PLAN - SPAN 5 (PP12-PP16')

FILE NAME = I:\103103.1-55 over des planes\Structural\CADD Sheets\160R62-39-NB-Framing_Plan-III.dgn



USER NAME = IDOT	DESIGNED - J.C.N./B.N.S./J.W.	REVISED -
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PLOT DATE = 1/18/2013	DRAWN - F.M.	REVISED -
	DATE - JANUARY 16, 2013	REVISED -

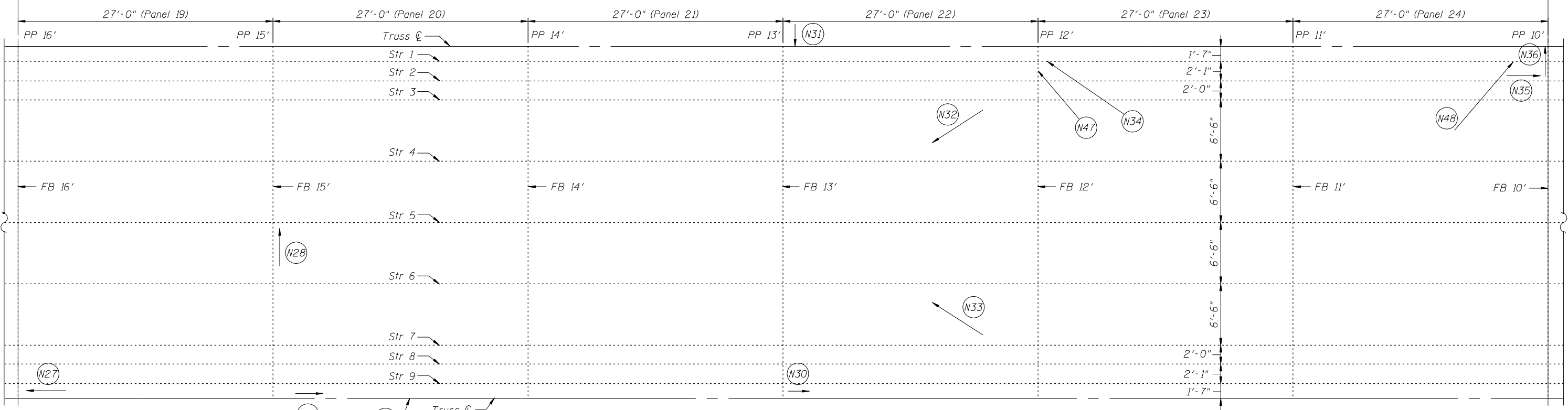
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FRAMING PLAN - NORTHBOUND-III
STRUCTURE NO. 099-0009**

SHEET NO. S39 OF S60 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-I	WILL	106	78
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				

162'-0"



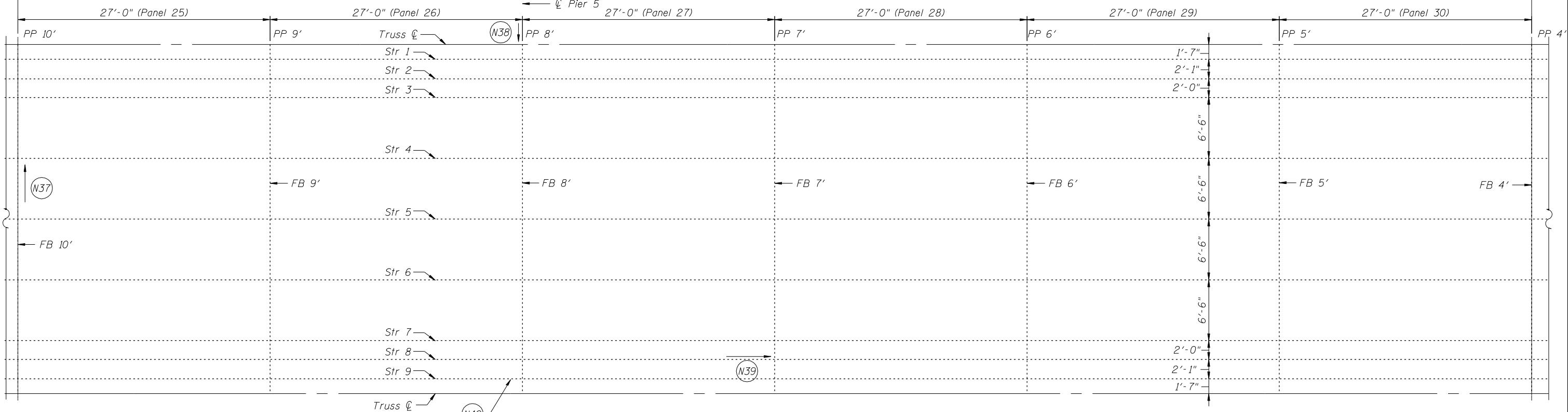
FRAMING PLAN - SPAN 5 (PP16'-PP10')

*See Structural Steel Repair Tables on Sht's. S43 & S44

LEGEND:

- = *Item defect number
- Str = Stringer
- FB = Floor Beam
- PP = Panel Point

162'-0"



FRAMING PLAN - SPAN 5/6 (PP10'-PP4')

FILE NAME = I:\103103.1+55 over des planes\Structural\CADD Sheets\160962-40-NB-Framing_Plan-IV.dgn



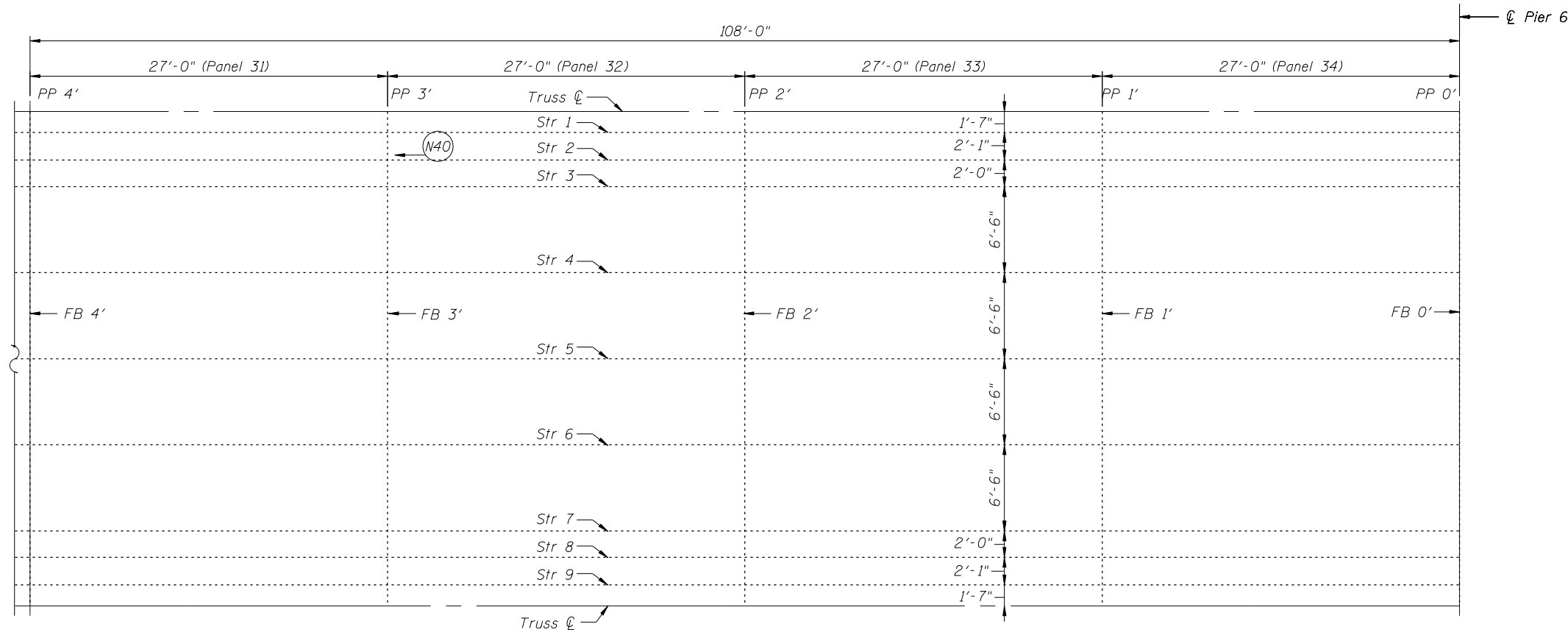
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PLOT DATE = 1/18/2013	DRAWN - F.M.	REVISED -
	DATE - JANUARY 16, 2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN - NORTHBOUND-IV
STRUCTURE NO. 099-0009

SHEET NO. S40 OF S60 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-I	WILL	106	79
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				

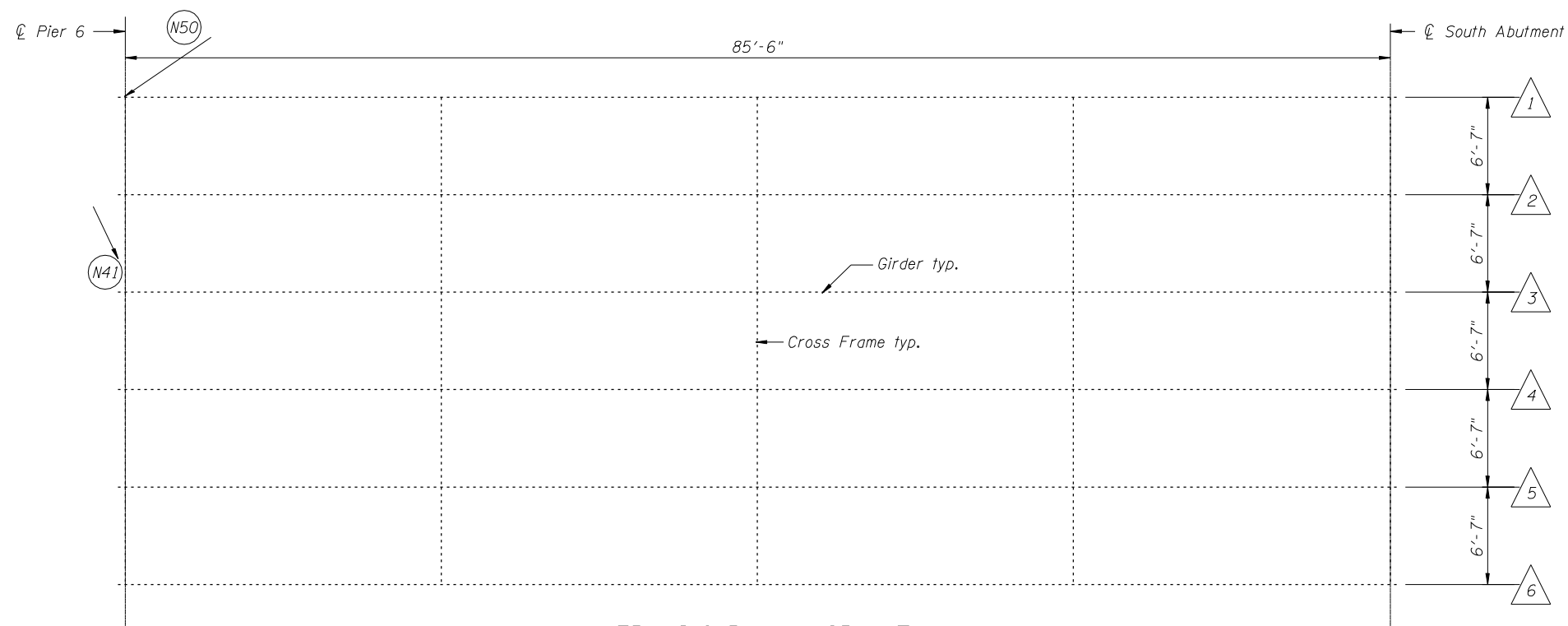


FRAMING PLAN - SPAN 6 (PP4'-PP0')

*See Structural Steel Repair Tables on Sht's. S43 & S44

LEGEND:

- = *Item defect number
- △ = Girder number
- Str = Stringer
- FB = Floor Beam
- PP = Panel Point



FRAMING PLAN - SPAN 7

FILE NAME = I:\103103.1+55 over des planes\Structural\CADD Sheets\160R62-41-NB-Framing_Plan-V.dgn



USER NAME = IDOT	DESIGNED - J.C.N./B.N.S./J.W.	REVISED -
	CHECKED - B.N.S./J.W.	REVISED -
PLOT SCALE = 0:2.0000 '1' / IN.	DRAWN - F.M.	REVISED -
PLOT DATE = 1/18/2013	DATE - JANUARY 16, 2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FRAMING PLAN - NORTHBOUND-V
STRUCTURE NO. 099-0009**

SHEET NO. S41 OF S60 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-I	WILL	106	80
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				

SOUTHBOUND ROADWAY

ITEM DEFECT NO.	SPAN NO.	MEMBER	LOCATION	DEFICIENCY	REPAIR DESCRIPTION	REPAIR DETAIL NO.	DETAIL ON SHEET NO.
S1	1	Girder 5	3rd Cross Brace from Abutment, E side	1 broken Rivet of Web Stiffener	Replace with Bolt	Note 1	S49
S2	2	Bearing	Girder L Pier 2, E side	Broken Anchor Plate Washer	Replace Plate Washer	Note 2	S49
S3	3	Bearing	Girder L Pier 3, E side	missing Side Retainer	Replace Side Retainer	1	S45
S4	3	Bearing	Girder 6	1 sheared bolt	Replace with Bolt	Note 1	S49
S5	4	L1E	L1E	North Knee Brace Support missing	Repair	2	S45
S6	4	L2W-L3E	L2W	2 pinholes and a 2 1/2" x 1" hole in bottom leg of angle	Replace Angles	3	S45
S7	4	Stringer 9	Floor Beam 3	3" hole in web	Repair	4	S45
S8	4	Stringer 1	Floor Beam 3, Panel 3	2"x1" hole in web at Floor Beam Connection	Repair	4	S45
S9	4	Stringer 9	2' north of Floor Beam 4, W side	2"x1" hole in bottom of web	Repair	4	S45
S10	4	Stringer 2	2' north of Floor Beam 4	3" hole in web	Repair	4	S45
S11	4	U7E-L7E	4' above bottom chord, W side of member	2"x2 1/2" hole and section loss	Repair	5	S45
S12	5	Diaphragm	Floor Beam 10 between Stringer 5 and 6, Connection Angle at Stringer 6	3 1/8" long crack in Connection Angle	Replace Angle	6	S46
S13	5	Stringer 6 & Diaphragm	Floor Beam 10, E side & Floor Beam 10, between Stringer 5 & 6, Connection Angle at Stringer 6	3"x1/4" hole in web of Stringer 6 & Connection Angle entirely cracked, 6" long	Replace Angle	6	S46
S14	5	L11E-L12W	L11E	2 1/2" x 1 1/2" hole in bottom leg of Angle	Replace Angles	7	S46
S15	5	U1W-L12W	Inside of Box Beam, N side of L1E-U1W, 9' above bottom chord	1 broken Rivet	Replace with Bolt	Note 1	S49
S16	5	L12W-L13W	5' from L12W	1 sheared Rivet in lateral brace	Replace with Bolt	Note 1	S49
S17	5	L12E-L13W	along Lateral Brace	3 sheared Rivets in lateral brace	Replace with Bolts	Note 1	S49
S18	5	Guide Pin	L13E	3/8" gouge in Pin	Repair with welded plates on the interior of the Truss	8	S46
S19	5	Guide Pin	U13E	1/2" gouge in Pin	Repair with welded plates on the interior of the Truss	9	S46
S20	5	Stringer 5	Floor Beam 13, Panel 13	3"x1" & 1/2" diameter holes in web	Repair	4	S45
S21	5	Conduit	L13W	broken Conduit	Repair	Note 3	S49
S22	5	Guide Pin	U13W	1/2" gouge in Pin	Repair with welded plates on the interior of the Truss	9	S46
S23	5	L15E-L16E	4' from L15E	2"x1 1/4" & 1 1/4" x 3/4" holes in top of bottom chord	Repair	10	S47
S24	5	Diaphragm	Panel Point 15 Between Stringer 3 & 4	3/8"x1 1/4" & 1 1/4"x3/4" holes in web	Replace Diaphragm	11	S47
S25	5	L15W-L16W	4' from L15W	2 1/2" diameter hole in bottom of bottom chord	Repair	12	S47

ITEM DEFECT NO.	SPAN NO.	MEMBER	LOCATION	DEFICIENCY	REPAIR DESCRIPTION	REPAIR DETAIL NO.	DETAIL ON SHEET NO.
S26	5	L16E-L17E	2' from L16E	2"x2" hole in top of bottom chord due to pack rust	Repair	13	S47
S27	5	L16E-L17W	4' from L16E	1/2" diameter hole in top leg of Angle	Replace Angles	14	S47
S28	5	L17E-L18E	4' from L17E	2-1" diameter holes in bottom of bottom chord	Repair	10	S47
S29	5	L17E-L16'W	4' from L16'W	1" diameter hole in top Angle leg	Replace Angles	14	S47
S30	5	Bearing	Floor Beam 15, Stringer 5, Panel 19	bearing locked due to steel interference	Repair	Note 4	S49
S31	5	Guide Pin	U13'E	1/8" gouge in Pin	Repair with welded plates on the interior of the Truss	9	S46
S32	5	Guide Pin	U13'W	1/8" gouge in Pin	Repair with welded plates on the interior of the Truss	9	S46
S33	5	U13'W-L13'W	N side of U13'W-L13'W, 4' below top chord	2 areas of torch damage	Repair	15	S48
S34	5	L13'E-L12'W	last 5' at L12'W	4 broken Rivets	Replace with Bolts	Note 1	S49
S35	5	U11'E-L12'E	Inside of box, N side, 15' above bottom chord	1 broken Rivet	Replace with Bolt	Note 1	S49
S36	5	Floor Beam 10'	bottom Gussel Plate at E end of Floor Beam 10'	7"x5" hole in Gussel Plate	Repair	16	S48
S37	6	Stringer 5	Floor Beam 8, Panel 27	1 broken Rivet	Replace with Bolt	Note 1	S49
S38	6	Stringer 2	Floor Beam 6', Panel 28	2 missing bolts in Stringer	Replace Bolts	Note 1	S49
S39	6	U7'E-L6'E	L6'E, 3' from bottom chord	1 3/4" diameter hole with section loss on east face of member	Repair	17	S48
S40	6	L5'W-L4'E	L4'E	2 3/4"x3/4" hole in bottom leg of Angle	Replace Angles	3	S45
S41	6	U3'E-L2'E	E side of U3'E-L2'E, 4' above bottom chord	Section loss and 1" diameter hole on E side	Repair	17	S48
S42	6	L2'E-U1'E	L2'E, 5' from bottom chord	2"x1" hole and section loss on east side of member	Repair	17	S48
S43	6	U1'E-L1'E	2' from bottom chord	1"x1/2" hole on east side of member	Repair	18	S48
S44	7	Shoring Tower	10' S of Pier 6, west side	2 sheared Bolts at connection to Shoring Tower	Replace Bolts	Note 1	S49
S45	7	Shoring Tower	10' S of Pier 1, east side	2 loose Bolts at connection to Shoring Tower	Replace Bolts	Note 1	S49
S46	7	Shoring Tower	10' S of Pier 1, west side	1 sheared Bolt at connection to Shoring Tower	Replace Bolt	Note 1	S49
S47	7	Shoring Tower	10' S of Pier 6, east side	2 sheared Bolts at connection to Shoring Tower	Replace Bolts	Note 1	S49
S48	7	Shoring Tower	10' N of Pier 6, east side	2 Angles missing at connection to Girder	Replace Angles	19	S48
S49	7	Stringer 4	3rd C.F.S. of Pier 6	2 1/2" crack in angle & fastener from bottom & 1 missing bolt	Replace Bolt & angle	6	S46
S50	7	Scupper	25' N. of S. Abut. at Stringer 1	Drain leaking on Stringer 1	Repair		

FILE NAME: I:\1403183.1-55 over-Des Plaines\Structure\1403183-12-Str-Steel-Repair-Table-1.dgn



USER NAME = IDOT
 DESIGNED - J.C.N./B.N.S./J.W.
 CHECKED - B.N.S./J.W.
 DRAWN - F.M.
 DATE - MARCH 20, 2013
 PLOT SCALE = 5/8" = 1' - 0"
 PLOT DATE = 3/19/2013

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL STEEL REPAIRS-TABLE 1
 STRUCTURE NO. 099-0008**

SHEET NO. 542 OF 560 SHEETS


P.A.L. REV. 55	SECTION 07D, D-BR-1	COUNTY WILL	TOTAL SHEETS 106	SHEET NO. 81
			CONTRACT NO. 60R62	
ILLINOISIFIED AID PROJECT				

NORTHBOUND ROADWAY

ITEM DEFECT NO.	SPAN NO.	MEMBER	LOCATION	DEFICIENCY	REPAIR DESCRIPTION	REPAIR DETAIL NO.	DETAIL ON SHEET NO.
N1	2	Bearing	Girder 6, Pier 2	missing Side Retainer	Replace Side Retainer	1	S45
N2	4	Portal Frame	Between Panel Point 0 & 1, 2' from west Truss	1/2" crack in seam weld	Repair	Note 5	S49
N3	4	U1W-L1W	L1W, top of outer Gusset Plate, west side	2 3/4"x3/4" hole and section loss on west side of member	Repair	18	S48
N4	4	Stringer 1	Floor Beam 3, Panel 3	1 missing bolt at top of seat Angle	Replace with Bolt	Note 1	S49
N5	4	Stringer 8	Floor Beam 3, Panel 4	1 missing bolt in bottom flange	Replace with Bolt	Note 1	S49
N6	4	Bearing	Floor Beam 6, Stringer 5, Panel 7	debris on Bearing Seat	Clean	Note 3	S49
N7	5	L9W-L10W	L9W, inside of member, east side	1 missing Rivet	Replace with Bolt	Note 1	S49
N8	5	L12E-L13W	Spread along entire member	6 sheared Rivets	Replace with Bolts	Note 1	S49
N9	5	L12W-L13W	Spread along entire member	7 sheared Rivets	Replace with Bolts	Note 1	S49
N10	5	Guide Pin	U13W	1/2" section loss at U13W Guide Pin	Repair with welded plates on the interior of the Truss	9	S46
N11	5	Stringer 9	2' north of Floor Beam 13, Panel 13	1"x1/2" hole in bottom of web	Repair	4	S45
N12	5	Stringer 8	2' north of Floor Beam 13, Panel 13	1 1/4"x1 1/2" hole in bottom of web	Repair	4	S45
N13	5	Stringer 7	2' north of Floor Beam 13, Panel 13	1"x3/4" hole in bottom of web	Repair	4	S45
N14	5	Stringer 6	3' north of Floor Beam 13, Panel 13	1 1/8"x3/4" hole in bottom of web	Repair	4	S45
N15	5	Stringer 5	3' north of Floor Beam 13, Panel 13	1 1/2" x 1" hole in bottom of web	Repair	4	S45
N16	5	Stringer 4	3' north of Floor Beam 13, Panel 13	1 1/2"x3/4" hole in bottom of web	Repair	4	S45
N17	5	Stringer 3	3' north of Floor Beam 13, Panel 13	1 1/2"x3/4" hole in bottom of web	Repair	4	S45
N18	5	Bearing	Stringer 3, Floor Beam 13, Panel 13	1 missing Bolt in bottom of bearing seat	Replace with Bolt	Note 1	S49
N19	5	Stringer 2	3' north of Floor Beam 13, Panel 13	2 holes in bottom of web (3"x1" & 1"x1")	Repair	4	S45
N20	5	Stringer 1	Floor Beam 13, Panel 13	1 1/2" diameter hole in web	Repair	4	S45
N21	5	Floor beam 13	Stringer 4, Panel 14	1 missing Bolt in Floor Beam web	Replace with Bolt	Note 1	S49
N22	5	Diaphragm	Floor Beam 15 between Stringer 3 & 4, Panel 16	2 holes in web 1"x2" & 1"x3"	Replace diaphragm	11	S47

ITEM DEFECT NO.	SPAN NO.	MEMBER	LOCATION	DEFICIENCY	REPAIR DESCRIPTION	REPAIR DETAIL NO.	DETAIL ON SHEET NO.
N23	5	L15W-L16W	6' south of L15W	1 missing Rivet head	Replace with Bolt	Note 1	S49
N24	5	L15W-L16W	4' south of L15W, bottom of member	6"x2 1/2" hole on bottom of member	Repair	12	S47
N25	5	L17E-L16'E	4' south of L17E, bottom of member	1 1/2" diameter hole and section loss on bottom of member	Repair	12	S47
N26	5	L17W-L16'W	4' south of L17W, bottom of member	2 1/4" diameter hole and section loss on bottom of member	Repair	12	S47
N27	5	L15'W-L16'W	Inside of Box Beam, E side, 1' S of L16'W	1 broken Rivet inside of box	Replace with Bolt	Note 1	S49
N28	5	Bearings	Floor Beam 15', Stringers 4 & 5, Panel 19	Bearings locked due to pack rust	Repair	Note 4	S49
N29	5	U14'W-L15'W	4' from bottom chord, inside of member, S side	1 broken Rivet	Replace with Bolt	Note 1	S49
N30	5	Guide Pin	U13'W	1/4" section loss at Guide Pin	Repair with welded plates on the interior of the truss	9	S46
N32	5	L12E-L13W	along entire member	6 sheared Rivets	Replace with Bolts	Note 1	S49
N33	5	L12W-L13W	along entire member	6 sheared Rivets	Replace with Bolts	Note 1	S49
N34	5	Stringer 1	Floor Beam 12', Panel 23	2 1/2"x1 1/4" hole at bottom of web	Repair	4	S45
N35	5	Stringer 2	Floor Beam 10', Panel 24	4 missing Bolts at top of seat angle	Replace with Bolts	Note 1	S49
N36	5	L10'E-U10'E	4' above bottom chord, W side of member	2 holes (1/2" and 1/4" diameters) and section loss on W side of member	Repair	5	S45
N37	5	Bearings	Floor Beam 10', Stringer 4 & 6, Panel 25	Bearings unable to expand due to steel interference	Repair	Note 4	S49
N38	5	L8'E-U8'E	L8'E, outer Gusset Plate, E side	section loss on E side of member	Repair	21	S49
N39	6	Stringer 8	Floor Beam 7', Panel 27	2 missing Bolts in connection T Beam	Replace with Bolts	Note 1	S49
N40	6	Stringer 2	Floor Beam 3', Panel 32	4 missing Bolts at top of seat angle	Replace with Bolts	Note 1	S49
N41	7	Diaphragm	at Pier 6 between Girders 2 & 3	1 1/2" diameter hole in Diaphragm	Replace Diaphragm	22	S49
N61	1	Abutment Bearing	North Abutment Girders 2 & 3	Build up of debris	Clean	Note 4	S49
N58	5	Lateral Bracing	L12E' to Mid Point Floor Beam 13', L12'E, South Face	6-sheared fasteners	Replace with bolts	Note 1	S49
N59	5	Lateral Bracing	L12W' to Mid Point Floor Beam 13', L12W, South Face	7-sheared fasteners	Replace with bolts	Note 1	S49

FILE NAME = I:\B310231-55 over Des Plaines\Structures\CR00 Sheets\DIRB2-43-st-steel-repair-table-II.dgn

 CHRISTIAN-ROGE & ASSOCIATES, INC.	USER NAME = IDOT	DESIGNED - J.C.N./B.N.S./J.W.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURAL STEEL REPAIRS-TABLE II STRUCTURE NO. 099-0009	F.A.I. RFE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLGT SCALE = 5/8"=1'-0"	CHECKED - B.N.S./J.W.	REVISED -			55	878, D-BR-1	WILL	105	82
PLGT DATE = 3/19/2013	DRAWN - F.M.	REVISED -		SHEET NO. 543 OF 560 SHEETS			CONTRACT NO. 60R62 ILLINOIS FED. AID PROJECT			

SOUTHBOUND ROADWAY

ITEM DEFECT NO.	SPAN NO.	MEMBER	LOCATION	DEFICIENCY	REPAIR DESCRIPTION	REPAIR DETAIL NO.	DETAIL ON SHEET NO.
S51	2	Girder 5	5th Cross Frame from PL West Face	16% S.L., Web 12- ¹ / ₈ " Misdrilled Holes 11 Holes Filled with Caulk	Repair	2	S50
S52	3	Bearing	Girders 5 & 6	1 Missing Bolt & 1 Sheared Bolt	Replace With Bolts	Note 1	S49
S53	4	Stringer 1	8' N. of Floor Beam 1	29% S.L. in Top of Flange	Repair	3	S50
S54	4	L/W-L/W	L/W	15% S.L. in Channels	Repair	1	S50
S55	4	Stringer 1	2' N. of Floor Beam 4	18% S.L., 3" Hole in Web Only	Repair	4	S45
S56	4	Floor Beam 4	Each End	22% S.L., Web - East End 9% S.L., Web - West End	Repair	4	S50
S57	5	Stringer 9	at Floor Beam 10, Pan 11	25% S.L. in Web	Repair	1	S51
S58	6	L1' E	L1' E	North Knee Brace Support Missing	Repair	2	S45
S59	7	Cross Frame	4th Cross Frame South of Pier 6 Between Girders 4 & 5 at Girder 4	2- ³ / ₄ " Long Crack in Angle 2nd Fastener From Bottom & 1 Missing Bolt	Repair	6	S46

NORTHBOUND ROADWAY

ITEM DEFECT NO.	SPAN NO.	MEMBER	LOCATION	DEFICIENCY	REPAIR DESCRIPTION	REPAIR DETAIL NO.	DETAIL ON SHEET NO.
N42	4	U5W-U5W	at U7W	9 Locations of Tapered Washers Not Used	Replace With Washers	Note 1	S49
N43	5	Lateral Bracing	L12E to Mid Point Floor Beam 13, at L12E North Face	5 Sheared Rivets	Replace With Rivets	Note 1	S49
N44	5	Lateral Bracing	L12W to Mid Point 13, Mid Span South Face	6 Sheared Rivets	Replace With Rivets	Note 1	S49
N45	5	Stringers 1-9	at Floor Beam 13, Pan 13	S.L. at various locations	Repair	1	S51
N46	5	L15'W-U14'W	7' From L15' West	1 Missing Rivet Head Inside Channel	Replace With Rivets	Note 1	S49
N47	5	Stringer 1	at Floor Beam 12', Pan 11'	12% S.L., Web, 2"x3" L Hole in Web	Repair	4	S45
N48	5	Stringer 2	North Face of Floor Beam 10'	4 Missing Bolts	Replace With Bolts	Note 1	S49
N49	5	Stringer 9	at Floor Beam 8', Pan 9'	15% S.L. in Web	Repair	1	S51
N50	6	Pier 6	East End of Cap	3 S.F. Delam. & Spalled with Exposed Rebars	Repair	2	S56

FILE NAME = R:\R3183-1-55 over Des Plaines\Structure\CAD Sheets\160R62-44-ur-steel-repairs-table-III.dgn

 **CHRISTIAN-ROGE & ASSOCIATES, INC.**

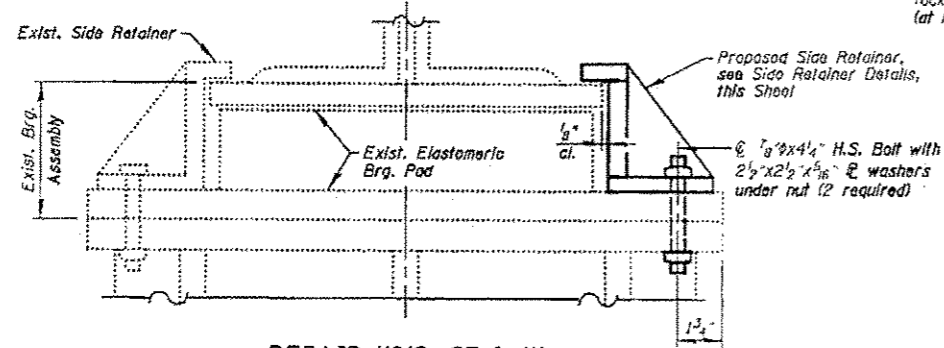
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	CHECKED - B.N.S./J.W.	REVISED -
PLOT SCALE = 5/8"=1'-0"	DRAWN - F.M.	REVISED -
PLOT DATE = 3/19/2013	DATE - MARCH 20, 2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL STEEL REPAIRS-TABLE III
STRUCTURE NO'S. 099-0008 & 099-0009**

SHEET NO. 544 OF 560 SHEETS

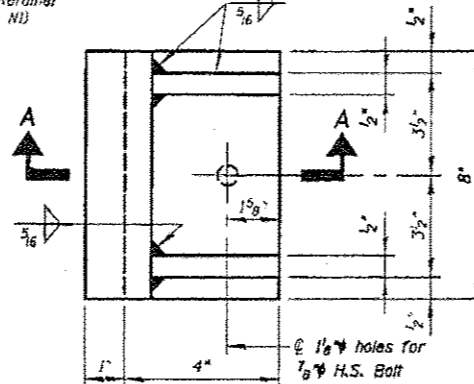
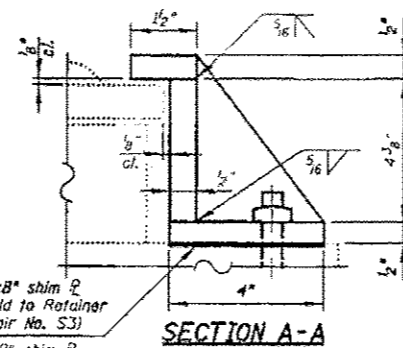
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL.	106	02A
			CONTRACT NO. 60R62	
ILLINOIS FEDERAL AID PROJECT				



REPAIR NO'S. S3 & N1

REPAIR DETAIL ①

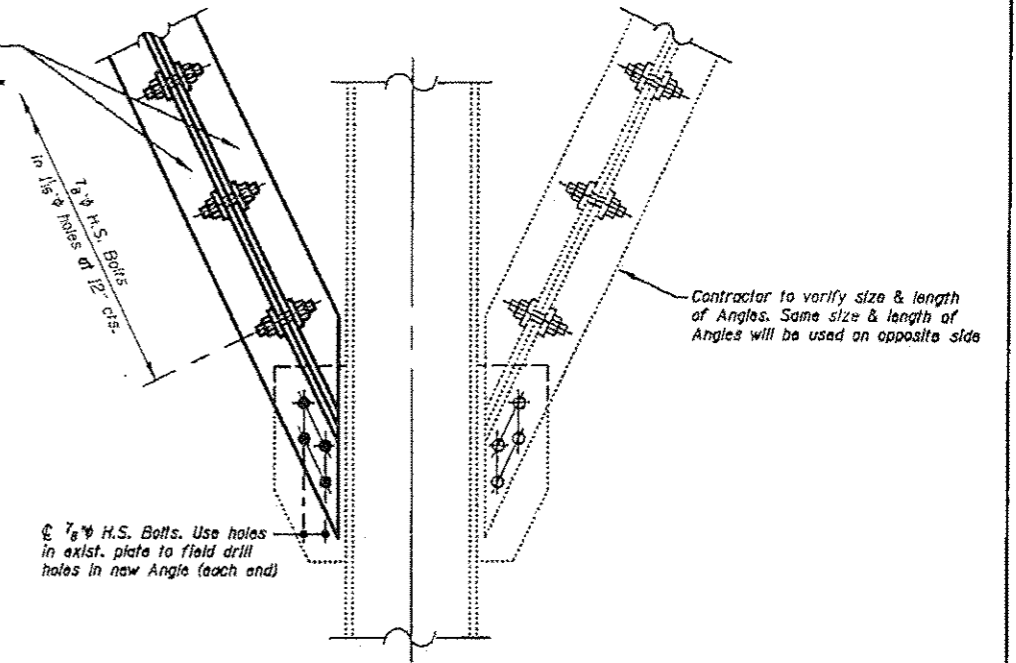
ELEVATION



SIDE RETAINER DETAILS

PLAN

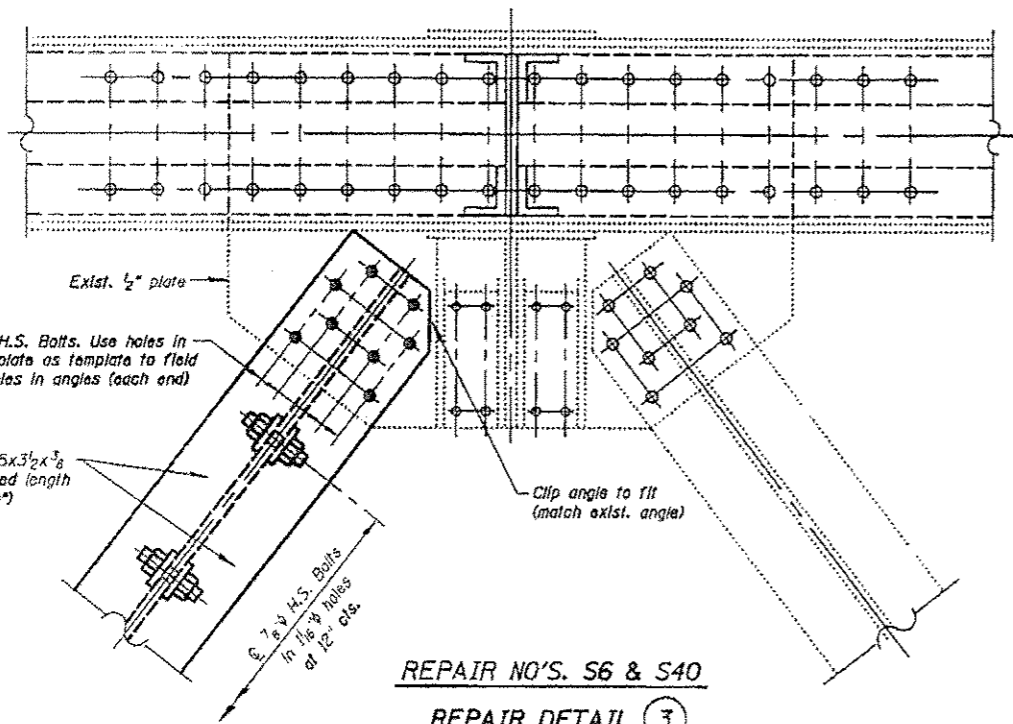
New angles to be same size & length as existing Angle on opposite side (estimated length = 6'-0")



REPAIR NO'S. S5 & S58

REPAIR DETAIL ②

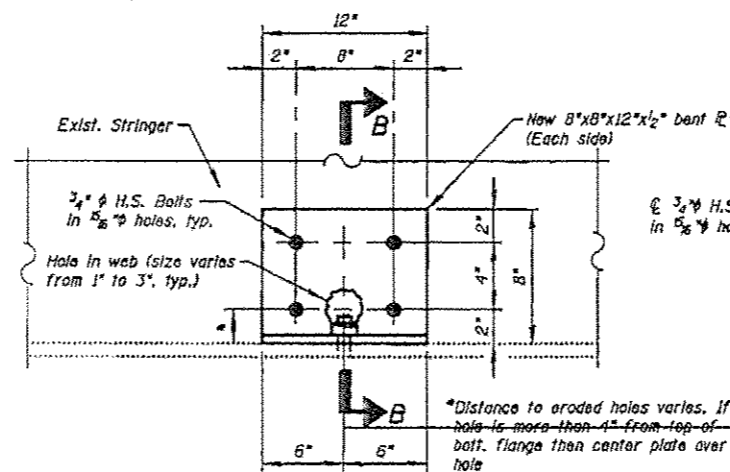
ELEVATION



REPAIR NO'S. S6 & S40

REPAIR DETAIL ③

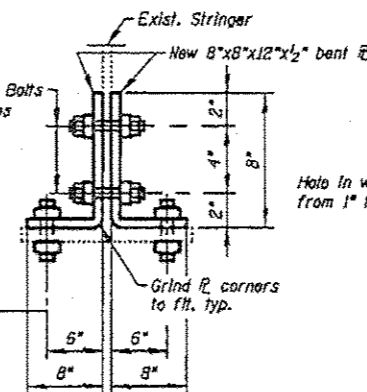
PLAN



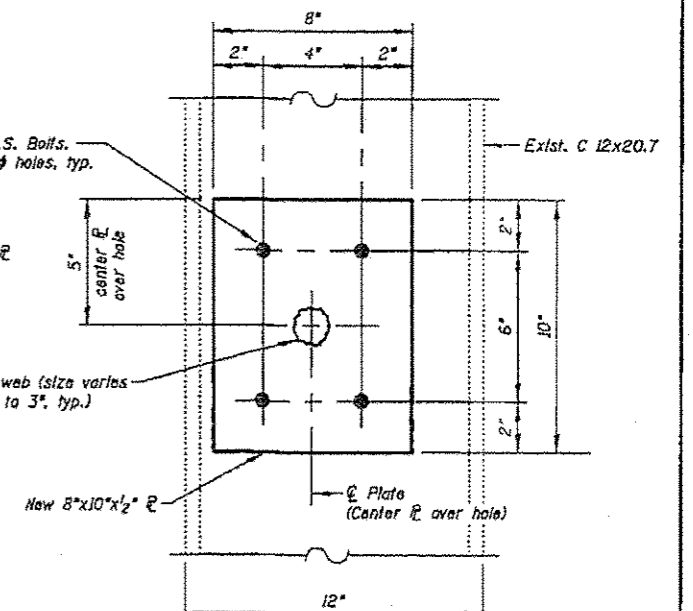
REPAIR NO'S. S7 THRU S10, S20 & S55
N11 THRU N17, N19, N20, N34 & N47

REPAIR DETAIL ④

ELEVATION



Note:
See Sht. S49 for Bill of Material & General Notes



REPAIR NO'S. S11 & N36

REPAIR DETAIL ⑤

PLAN

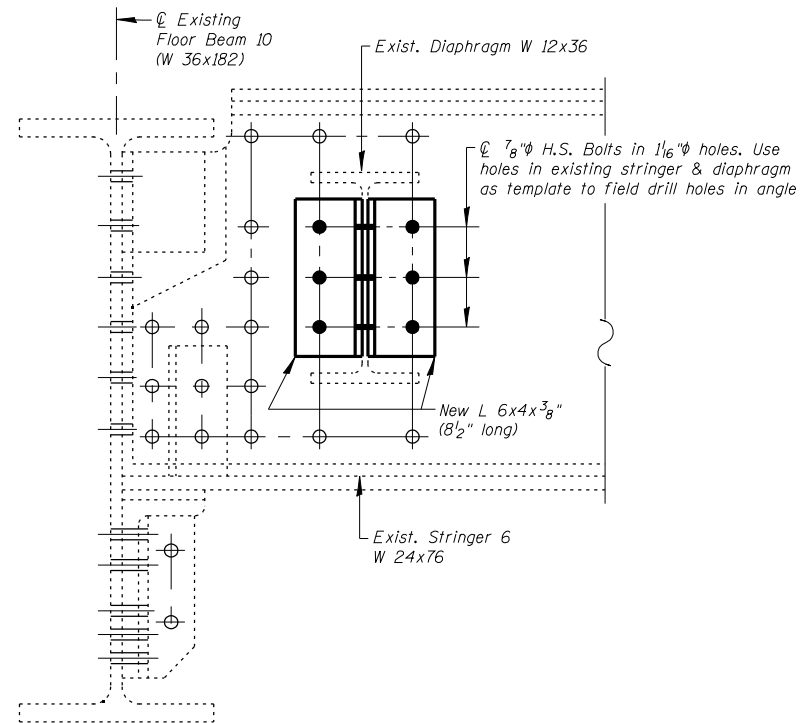
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL REPAIRS-I
STRUCTURE NO'S. 099-0008 & 099-0009

SHEET NO. S45 OF S60 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	07B, 0-BR-1	WILL	106	83
			CONTRACT NO. 60R62	
ILLINOIS FIDELITY AND PROJECT				

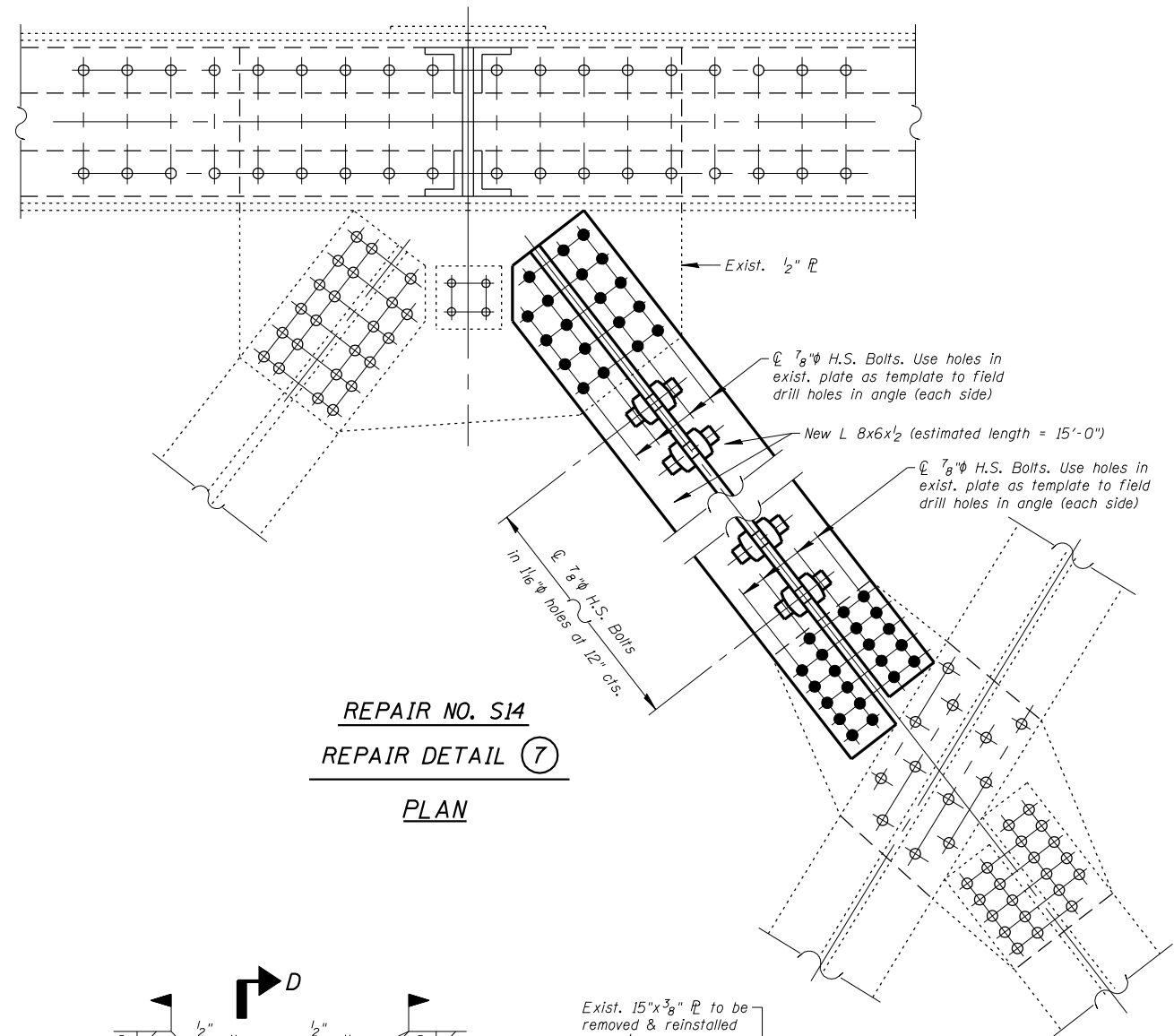
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PLAT SCALE = 5/8" = 1' IN.	CHECKED - B.N.S./J.W.	REVISED -
PLAT DATE = 3/19/2013	DRAWN - P.M.	REVISED -
	DATE - MARCH 20, 2013	REVISED -



REPAIR NO'S. S12 & S13

REPAIR DETAIL ⑥

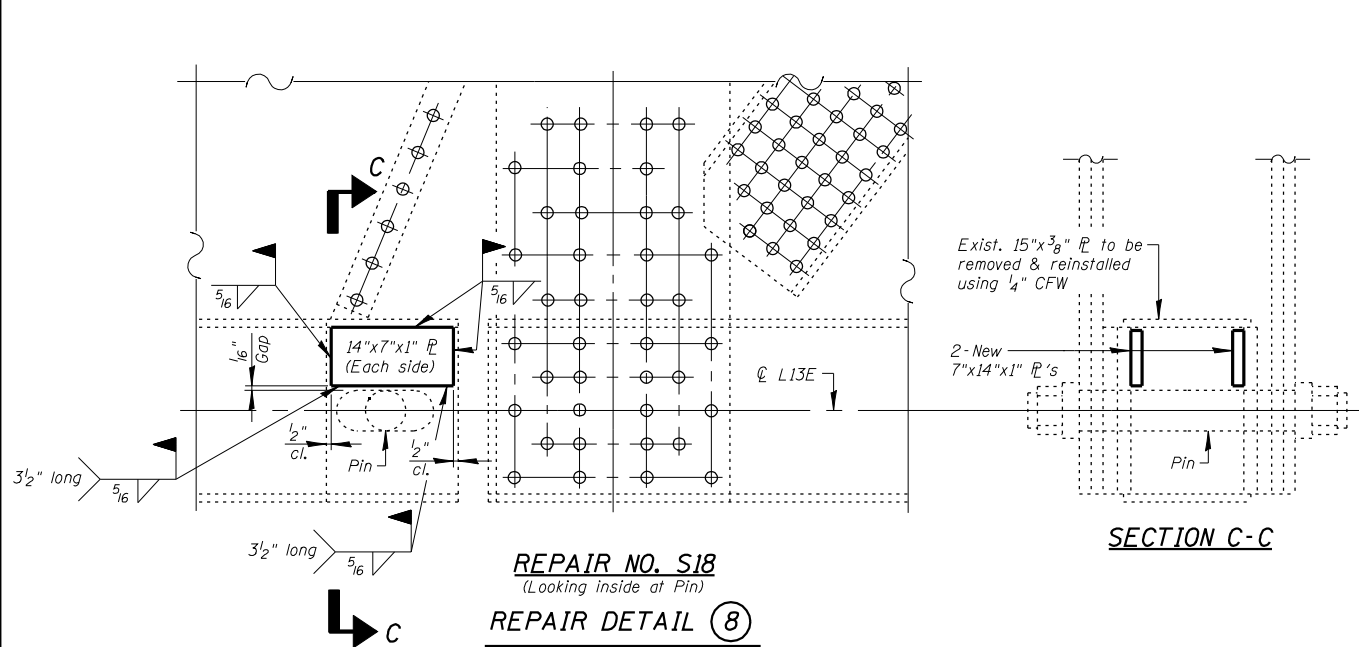
ELEVATION



REPAIR NO. S14

REPAIR DETAIL ⑦

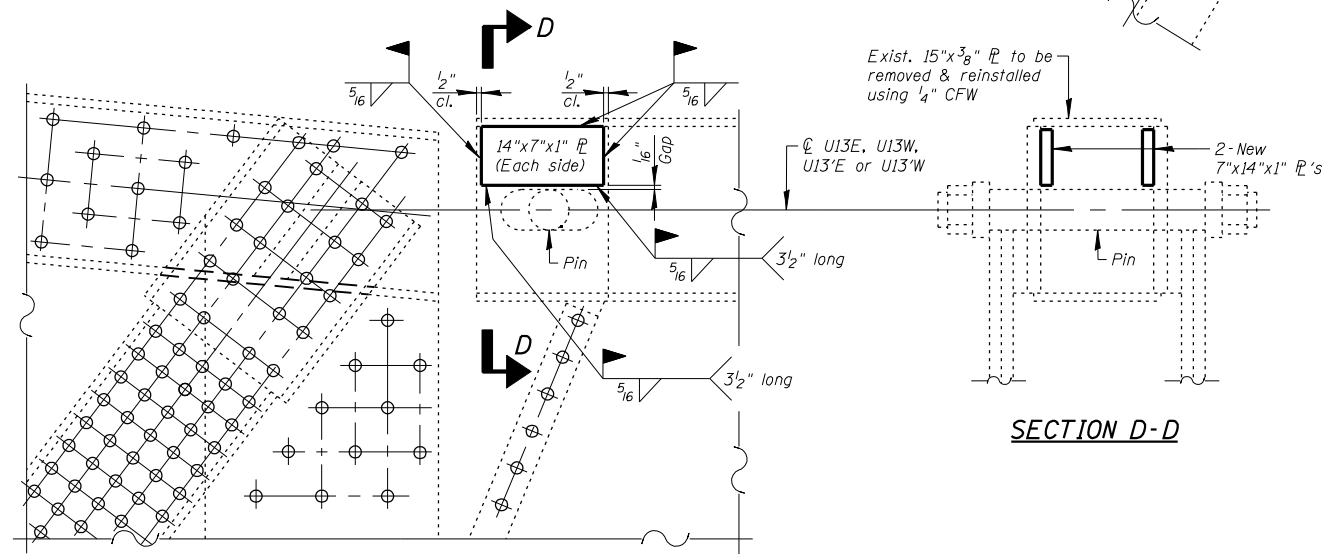
PLAN



REPAIR NO. S18
(Looking inside at Pin)

REPAIR DETAIL ⑧

ELEVATION



REPAIR NO'S. S19, S22,
S31, S32, N10 & N30
(Looking inside at Pin)

REPAIR DETAIL ⑨

ELEVATION

Note:
See Sht. S49 for Bill of Material & General Notes

FILE NAME = I:\103103.1-55 over des planes\structural\cead sheets\1606R2-45-st-steel-repairs-I.dgn



USER NAME = IDOT	DESIGNED - J.C.N./B.N.S./J.W.	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - B.N.S./J.W.	REVISED -
PLOT DATE = 1/18/2013	DRAWN - F.M.	REVISED -
	DATE - JANUARY 16, 2013	REVISED -

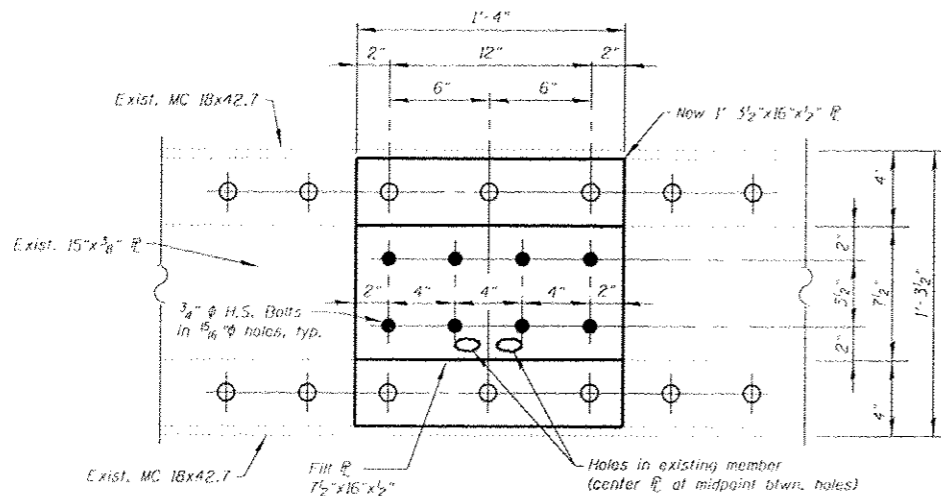
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL REPAIRS-II
STRUCTURE NO'S. 099-0008 & 099-0009

SHEET NO. S46 OF S60 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60R62				

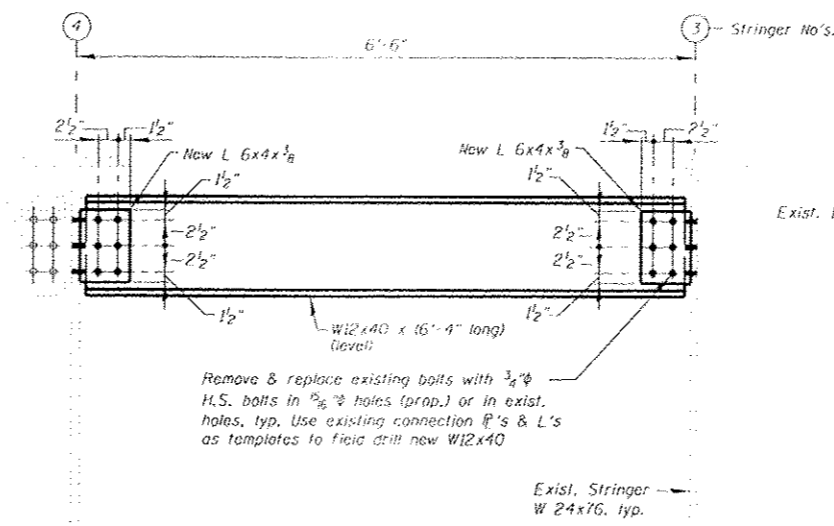
ILLINOIS FED. AID PROJECT



REPAIR NO'S. S23 & S28
(Top of bott. chord S23)
(Bott. of bott. chord S28)

REPAIR DETAIL (10)

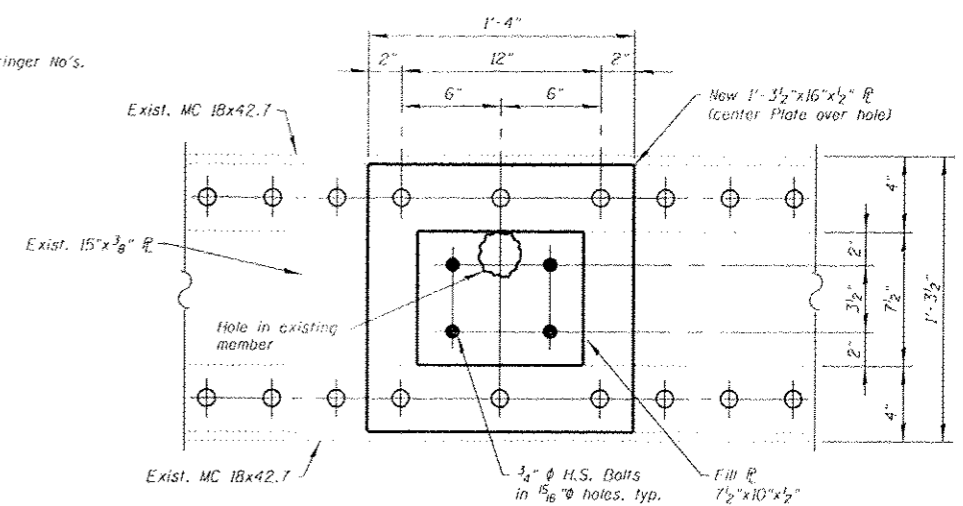
PLAN



REPAIR NO'S. S24 & N22
(Diaphragm replacement)

REPAIR DETAIL (11)

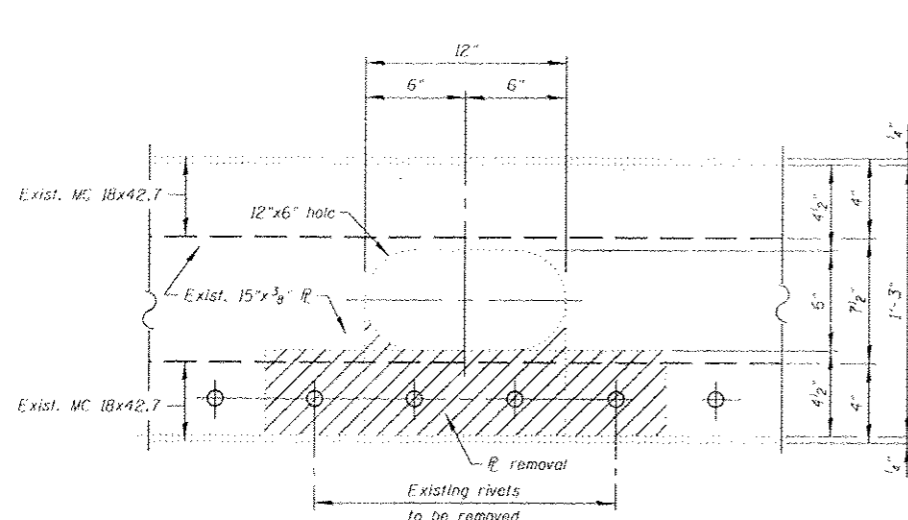
ELEVATION



REPAIR NO'S. S25 & N24 THRU N26
(Bott. of bott. chord)

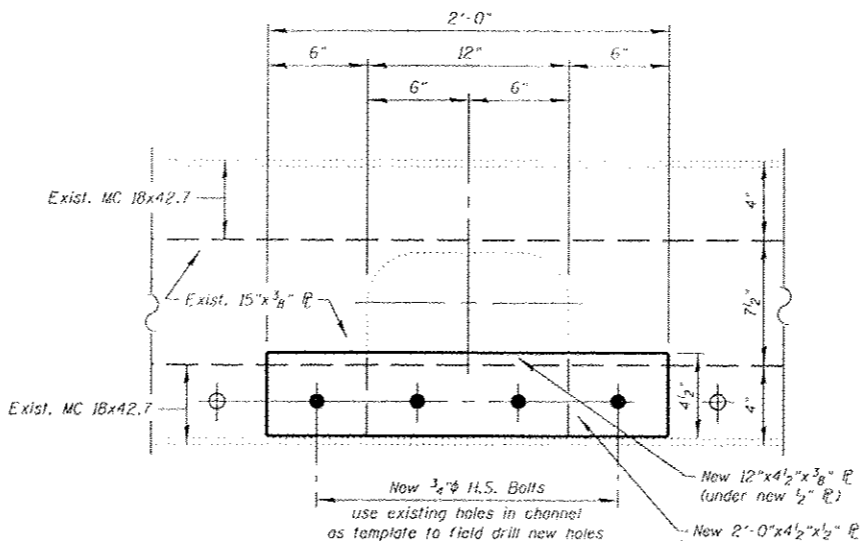
REPAIR DETAIL (12)

PLAN



EXISTING
TOP OF BOTTOM CHORD
(showing removal)

PLAN

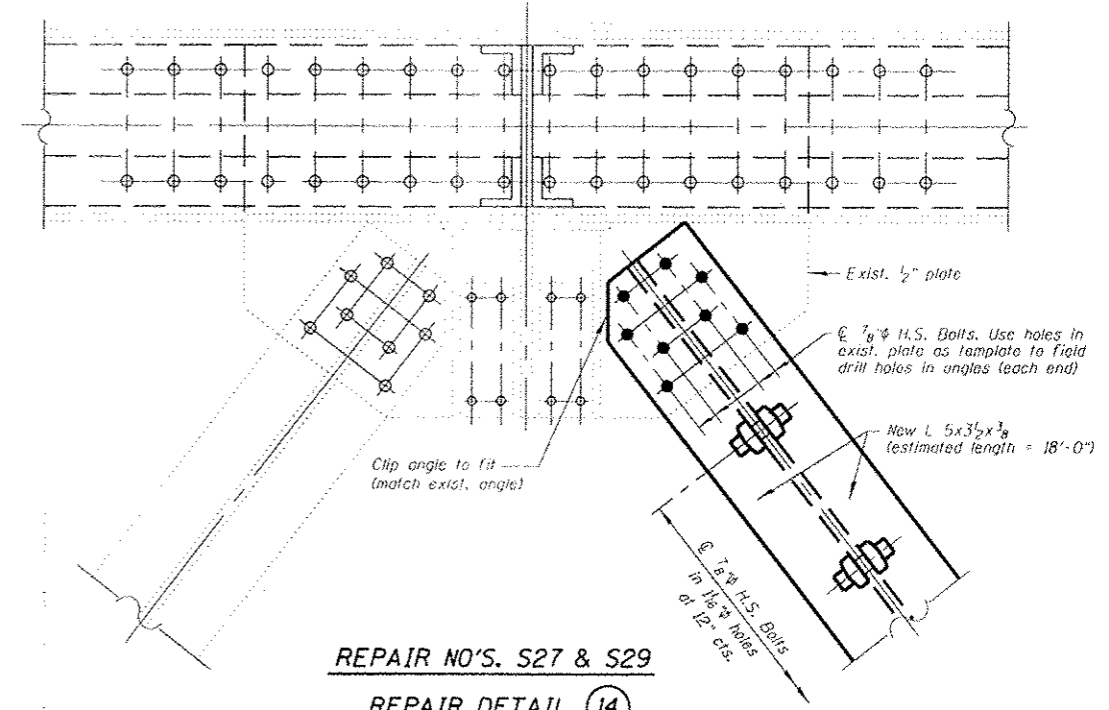


PROPOSED
TOP OF BOTTOM CHORD

PLAN

REPAIR NO. S26

REPAIR DETAIL (13)



REPAIR NO'S. S27 & S29

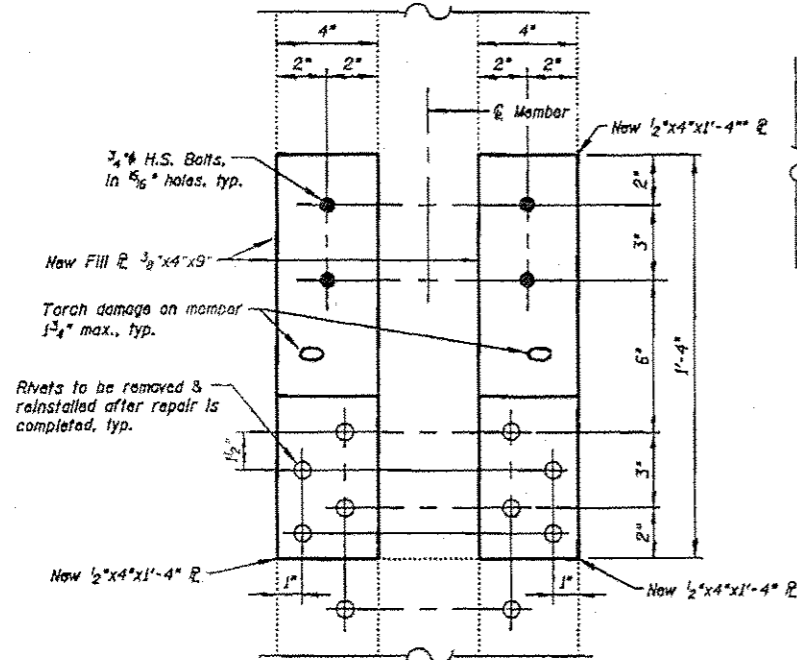
REPAIR DETAIL (14)

PLAN

Note:
See Sht. S49 for Bill of Material & General Notes

FILE NAME : I:\102103.1-85 over Das PlainsAS-Structure\NCAD3 Sheets\0162662-47-str-steel-repairs.III.dgn

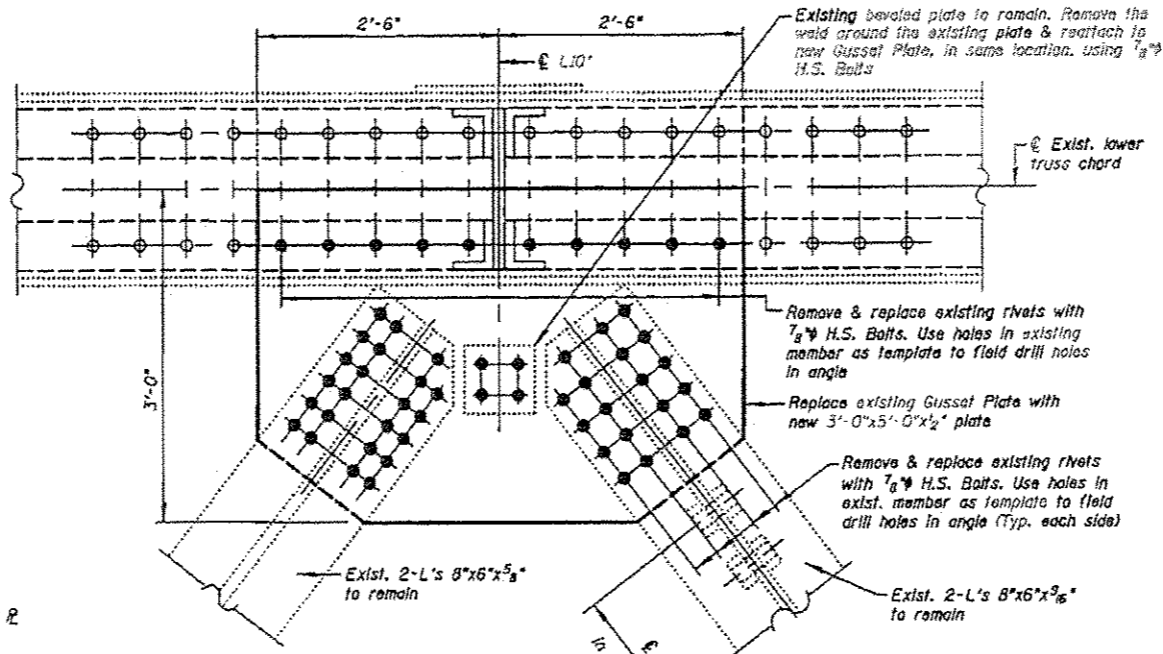
	USER NAME : p72m02mha	DESIGNED : J.C.N./B.N.S./J.W.	REVISED :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURAL STEEL REPAIRS-III STRUCTURE NO'S. 099-0008 & 099-0009	F.A.I. RT# 55	SECTION 07B, D-BR-1	COUNTY WILL	TOTAL SHEETS 106	SHEET NO. 85
	PLOT SCALE : 1/8"=1'-0" / 1/4"=1'-0"	DRAWN : F.M.	REVISED :			CONTRACT NO. 60R62				
	PLOT DATE : 3/21/2013	DATE : MARCH 20, 2013	REVISED :			ILLINOIS FED. AID PROJECT				



REPAIR NO. S33
(showing vertical member)

REPAIR DETAIL (15)

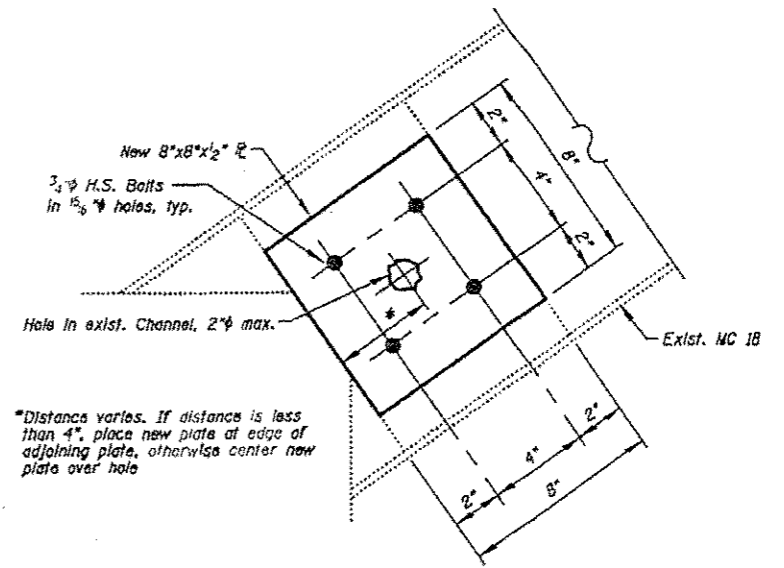
ELEVATION



REPAIR NO. S36
(Gusset plate replacement)

REPAIR DETAIL (16)

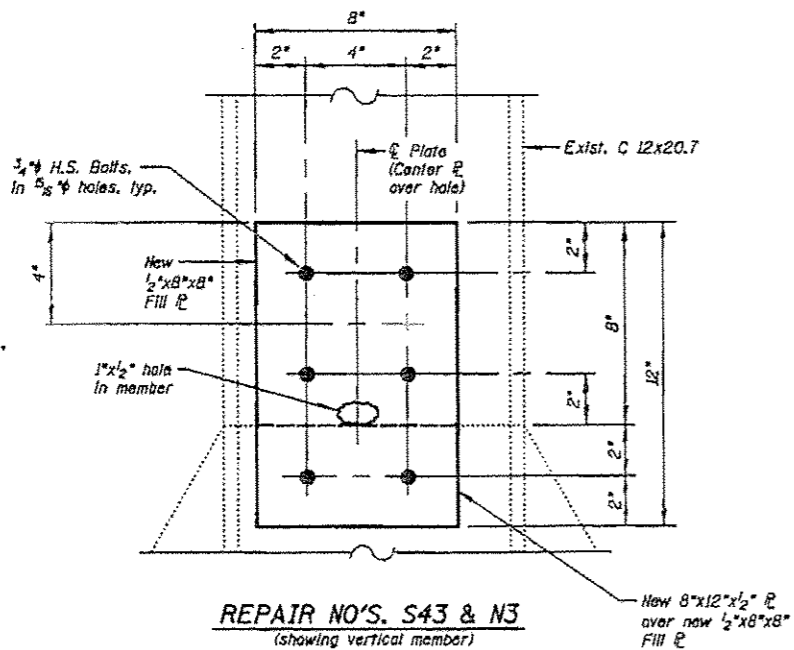
PLAN



REPAIR NO'S. S39, S41 & S42
(showing vertical member)

REPAIR DETAIL (17)

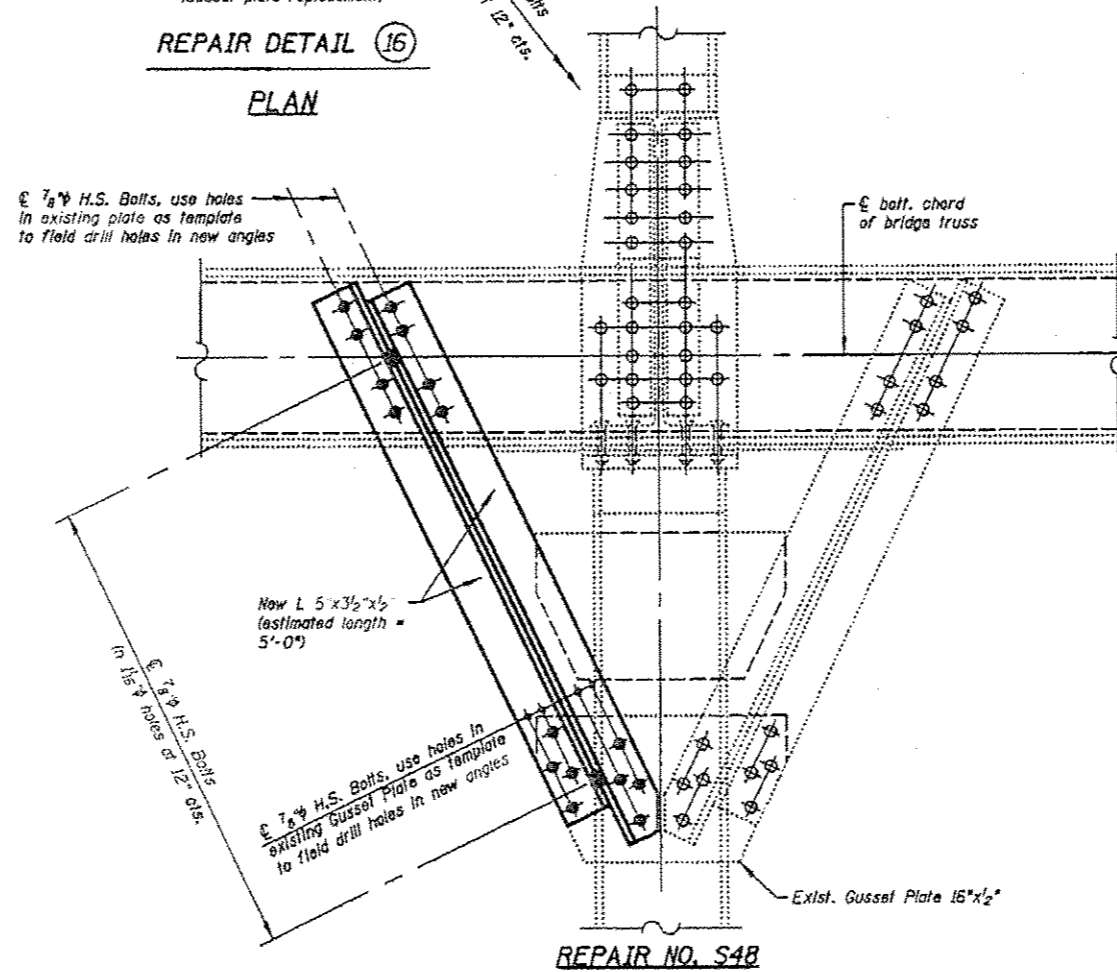
ELEVATION



REPAIR NO'S. S43 & N3
(showing vertical member)

REPAIR DETAIL (18)

ELEVATION



REPAIR NO. S48

REPAIR DETAIL (19)

ELEVATION

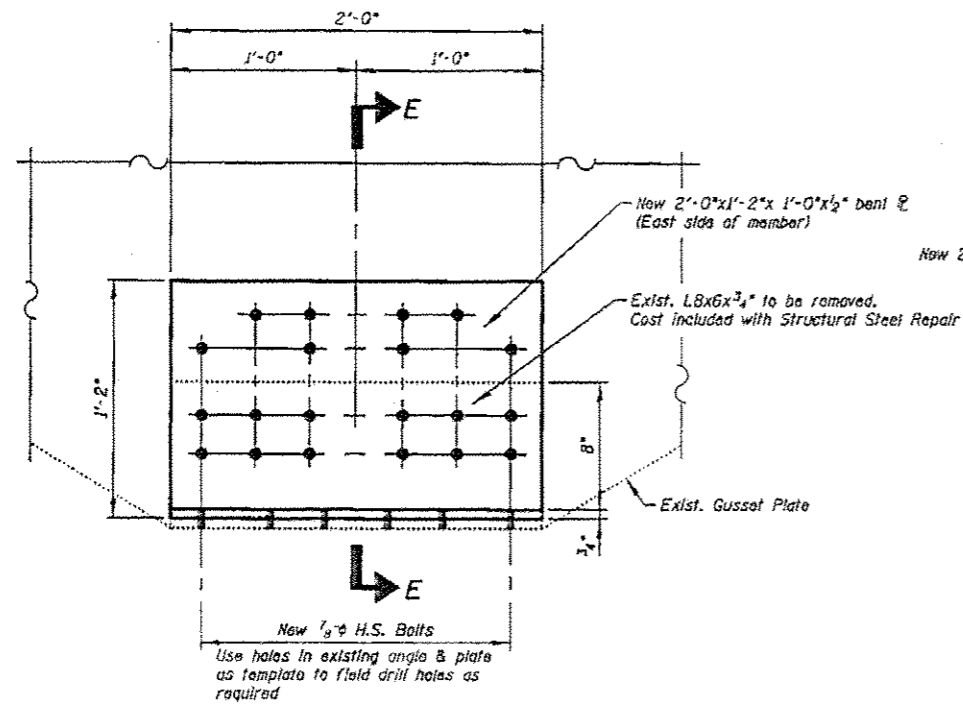
Note:
See Sht. S51 for Bill of Material & General Notes

FILE NAME = I:\183123.1-55 over Des Planes\Structural\CADD Sheets\0168652-48-tr-steel-repairs-IV.dgn

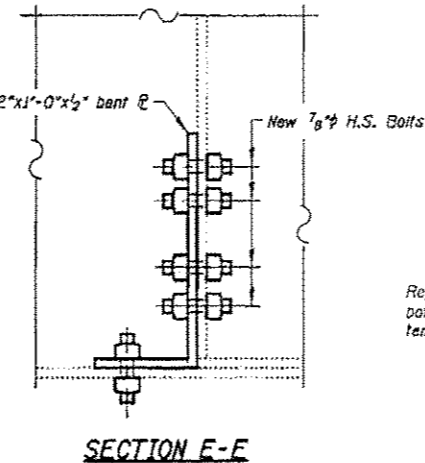
- *Note 1:
Replace broken or missing Rivets or Bolts with $\frac{7}{8}$ " H.S. Bolts. Cost Included with Structural Steel Repair.
- *Note 2:
Replace broken plate washer. Replace with same size $2\frac{1}{2} \times 2\frac{1}{2} \times \frac{5}{16}$ ". Cost Included with Structural Steel Repair.
- *Note 3:
Repair or replace broken conduit. Cost Included with Structural Steel Repair.
- *Note 4:
Clean bearings & remove all rust. Cost Included with Structural Steel Repair.
- *Note 5:
Field weld entire 13" crack. Cost Included with Structural Steel Repair.

GENERAL NOTES:
All holes field drilled into existing members shall be included in the cost of Structural Steel Repair.
Cost of all bolts & washers shall be included in the cost of Structural Steel Repair.

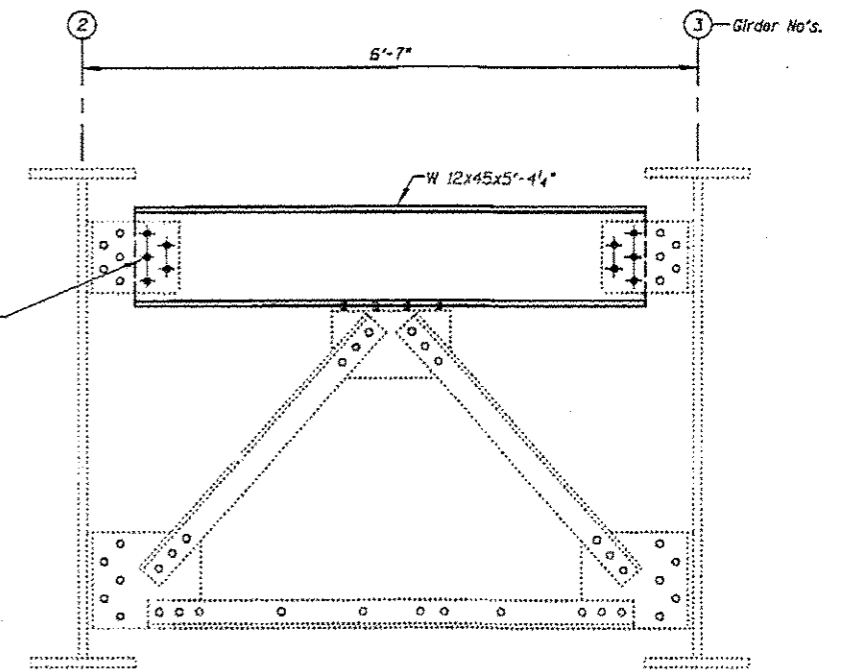
*Notes refers to specific repairs as indicated in Structural Steel Repair Tables I, II & III. See SH's. S42, S43 & S49.



REPAIR NO. N38
REPAIR DETAIL (21)
ELEVATION



Replace existing bolts with $\frac{3}{4}$ " H.S. Bolts, typ. both ends. Use existing connection P's & L's as templates to field drill holes in new W 12x45



REPAIR NO. N41
REPAIR DETAIL (22)
ELEVATION

FILE NAME = I:\183103.1-25 over One Planes\Structure\CADD Sheets\160662-49-10-10-steel-repairs-V.dgn



USER NAME = IDOT	DESIGNED - J.C.N./B.N.S./J.W.	REVISED -
PLOT SCALE = 50/1000 1/4" IN.	CHECKED - B.N.S./J.W.	REVISED -
PLOT DATE = 3/19/2013	DRAWN - F.M.	REVISED -
	DATE - MARCH 20, 2013	REVISED -

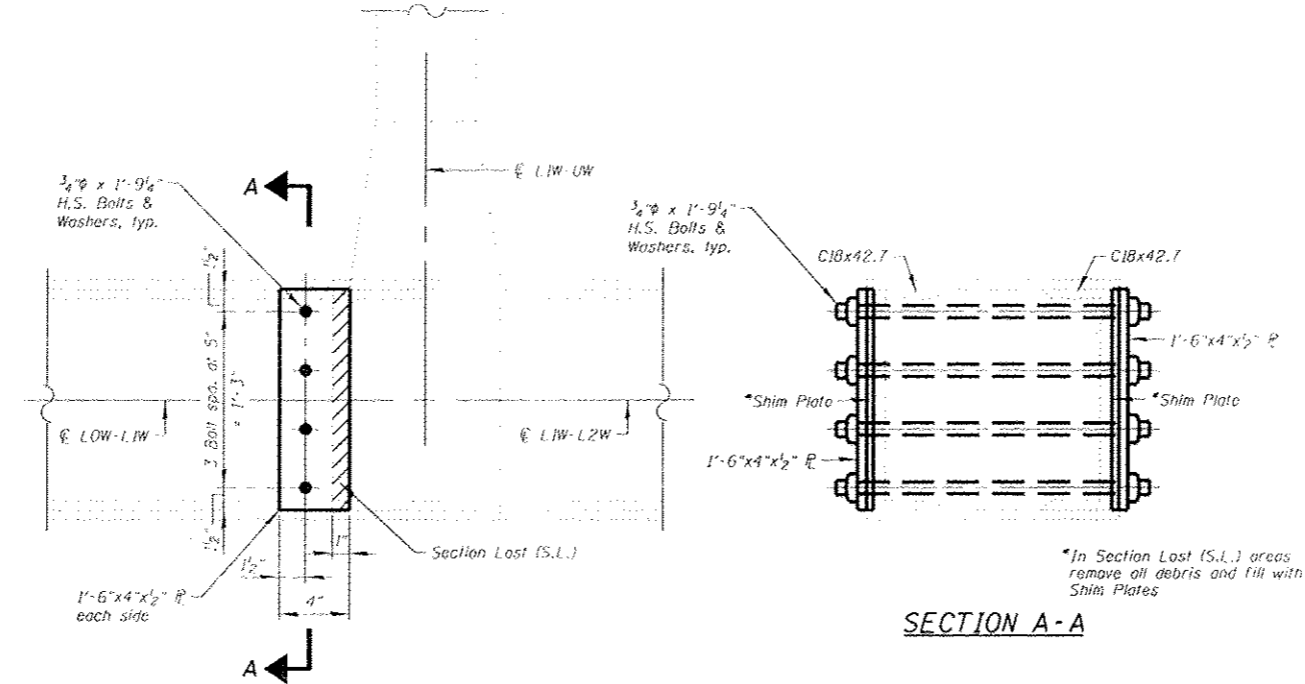
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL REPAIRS-V
STRUCTURE NO'S. 099-0008 & 099-0009

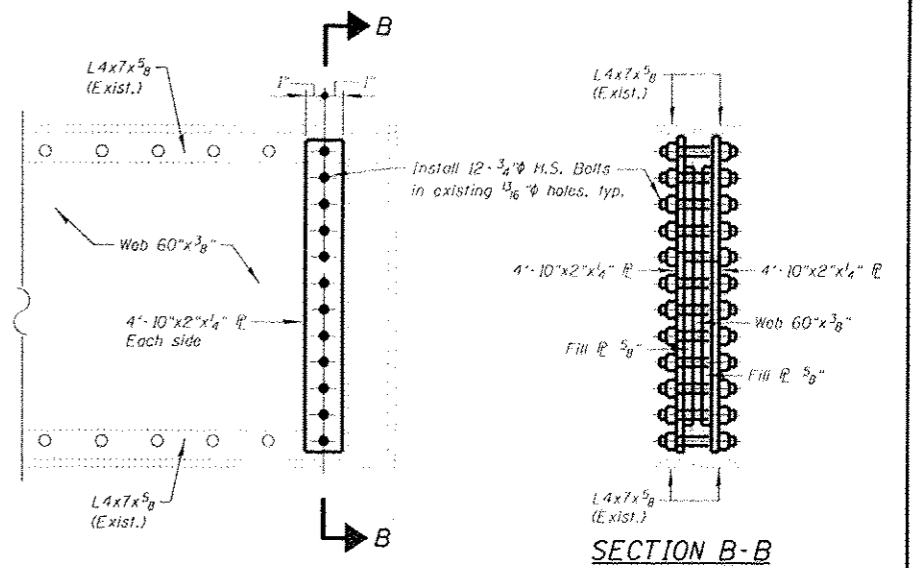
SHEET NO. 549 OF 560 SHEETS

F.A.I. R/F.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	07B, 0-BR-1	WILL	106	87
			CONTRACT NO. 60R62	
ILLINOIS FED. AID PROJECT				

FILE NAME: I:\131023.1-55-000-001-Steel-Repairs-VI.dwg

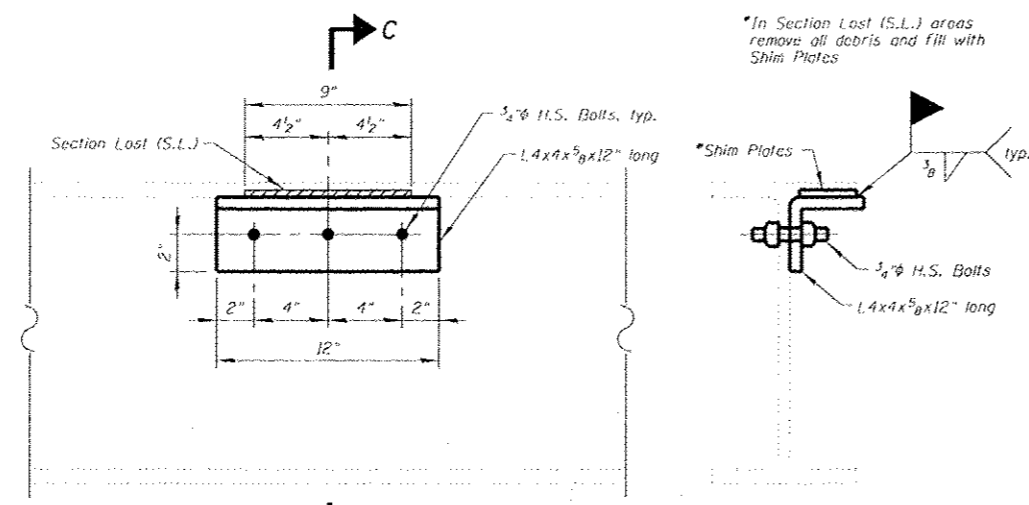


REPAIR NO. S54
REPAIR DETAIL ①
ELEVATION

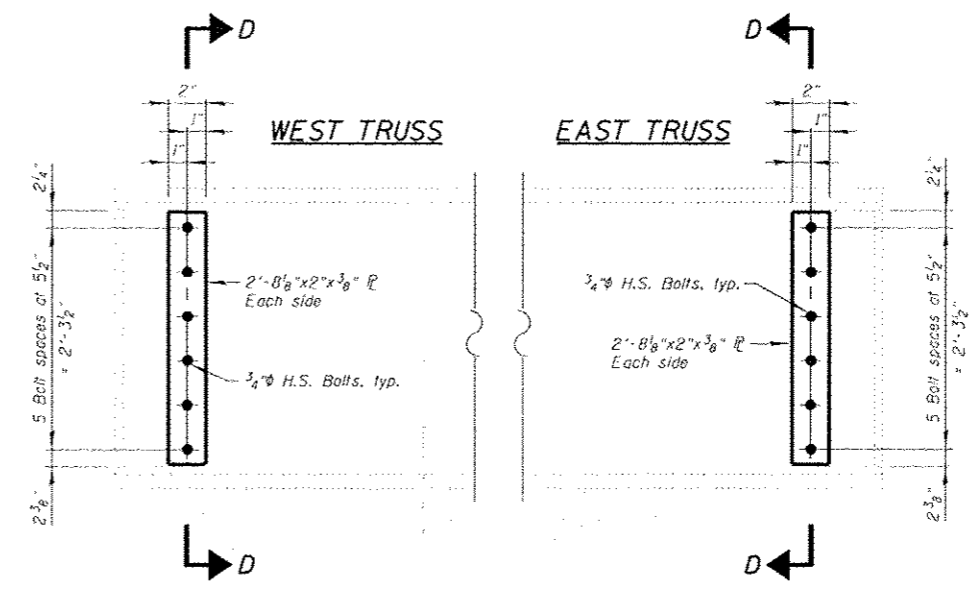


REPAIR NO. S51
REPAIR DETAIL ②
ELEVATION

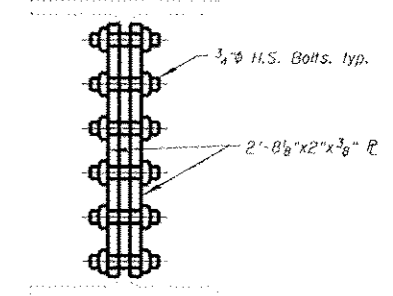
Note "A"
Angles & cross frames shall be removed prior to performing the repairs and reinstalled after the repair work is completed



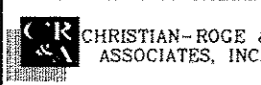
REPAIR NO. S53
REPAIR DETAIL ③
ELEVATION



REPAIR NO. S56
REPAIR DETAIL ④
ELEVATION



SECTION D-D



USER NAME: prazwosniks
PLOT SCALE: 1/8" = 1'-0"
PLOT DATE: 3/21/2013

DESIGNED: J.C.N./B.N.S./J.W.
CHECKED: B.N.S./J.W.
DRAWN: F.M.
DATE: MARCH 20, 2013

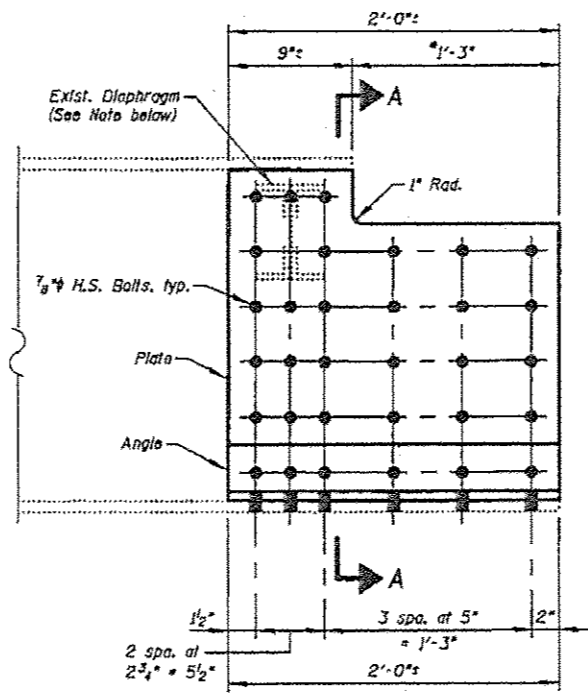
REVISED: -
REVISED: -
REVISED: -
REVISED: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL REPAIRS-VI
STRUCTURE NO. 099-0008
SHEET NO. 550 OF 560 SHEETS

F.A.I. RTE. S5	SECTION 87B, 0-BR-1	COUNTY WILL	TOTAL SHEETS 106	SHEET NO. 87A
			CONTRACT NO. 60R62	
ILLINOIS FED. AID PROJECT				

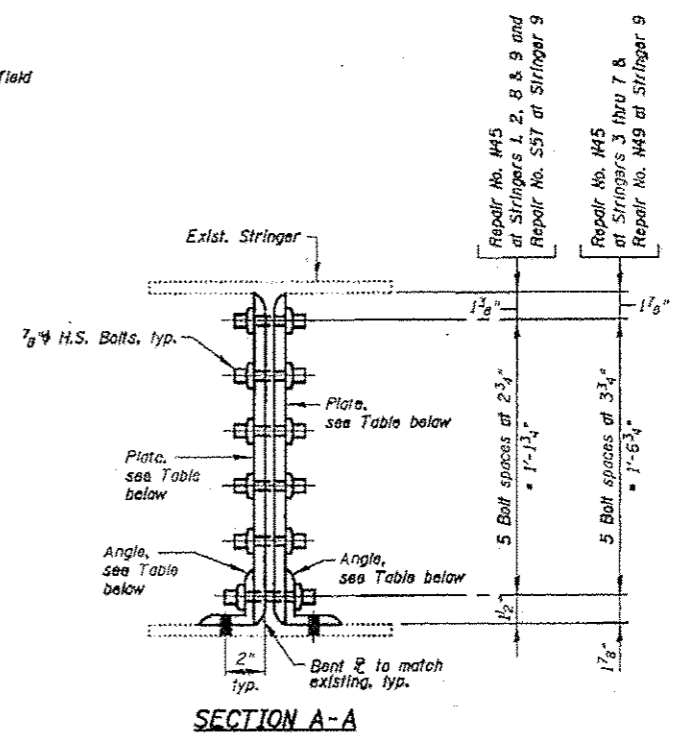
*To be verified in field



REPAIR NO'S. N45, N49 & S57

REPAIR DETAIL ①

ELEVATION
(at Stringers 1 thru 9)



SECTION A-A

Notes:
Existing Diaphragm shall be shortened to accommodate beam repair.
The Contractor may rearrange bolt spacings, if necessary, to allow diaphragms to be installed after repair.

TABLE

Item	LOCATION			
	Southbound Roadway	Northbound Roadway		
	Repair No. S57 at Stringer 9	Repair No. N45 at Stringers 1, 2, 8 & 9	Repair No. N45 at Stringers 3 thru 7	Repair No. N49 at Stringer 9
Plates	2'-0"x1'-4 5/8"x 3/8"	2'-0"x1'-4 5/8"x 3/8"	2'-0"x1'-10 1/2"x 3/8"	2'-0"x1'-10 1/2"x 3/8"
Angles	3 1/2"x3 1/2"x 1/4	3 1/2"x3 1/2"x 1/4	4x4x 1/4	4x4x 1/4

BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Structural Steel Repair	Pound	5,760

FILE NAME : H:\182183.1-ES over Des Plains\Structural\CARD0 Sheets\ADIS062-51-struct-repairs-VII.dgn

CHRISTIAN-ROGE & ASSOCIATES, INC.

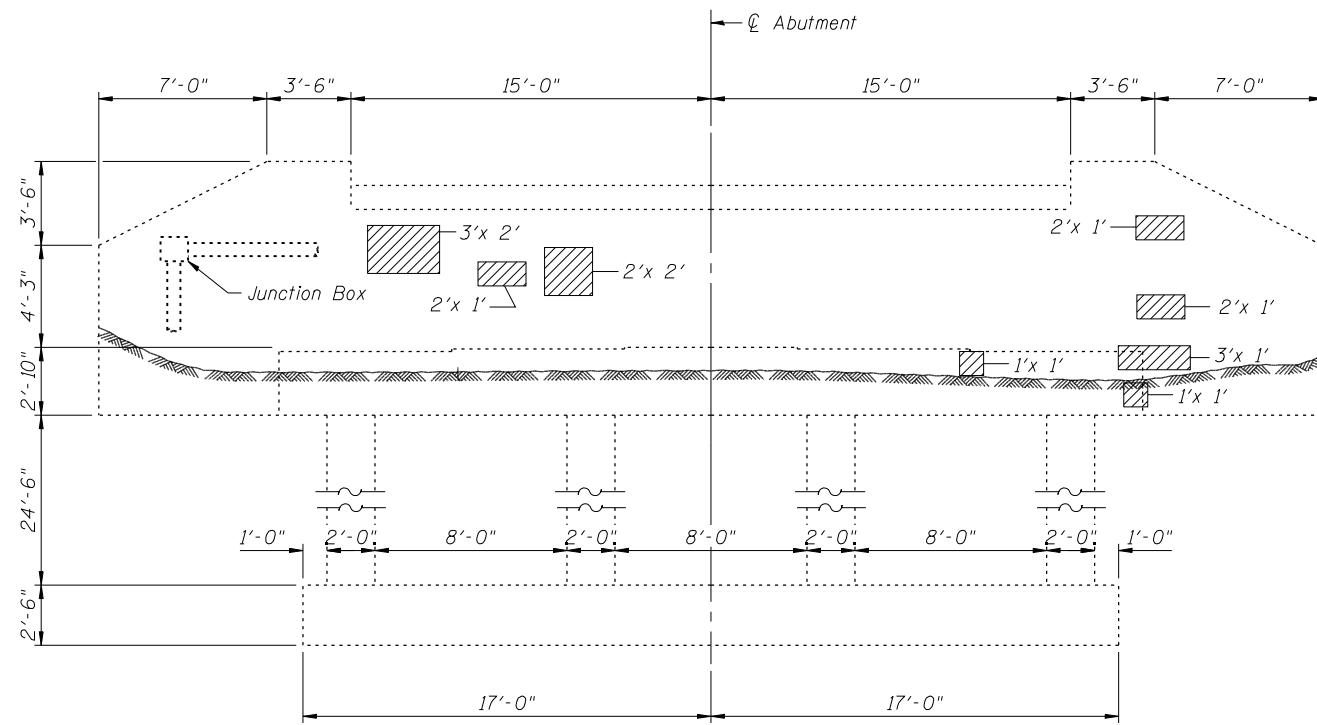
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FLUT SCALE = 5/8" = 1' IN.	CHECKED - B.N.S./J.W.	REVISED -
FLUT DATE = 3/19/2013	DRAWN - F.M.	REVISED -
	DATE - MARCH 20, 2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

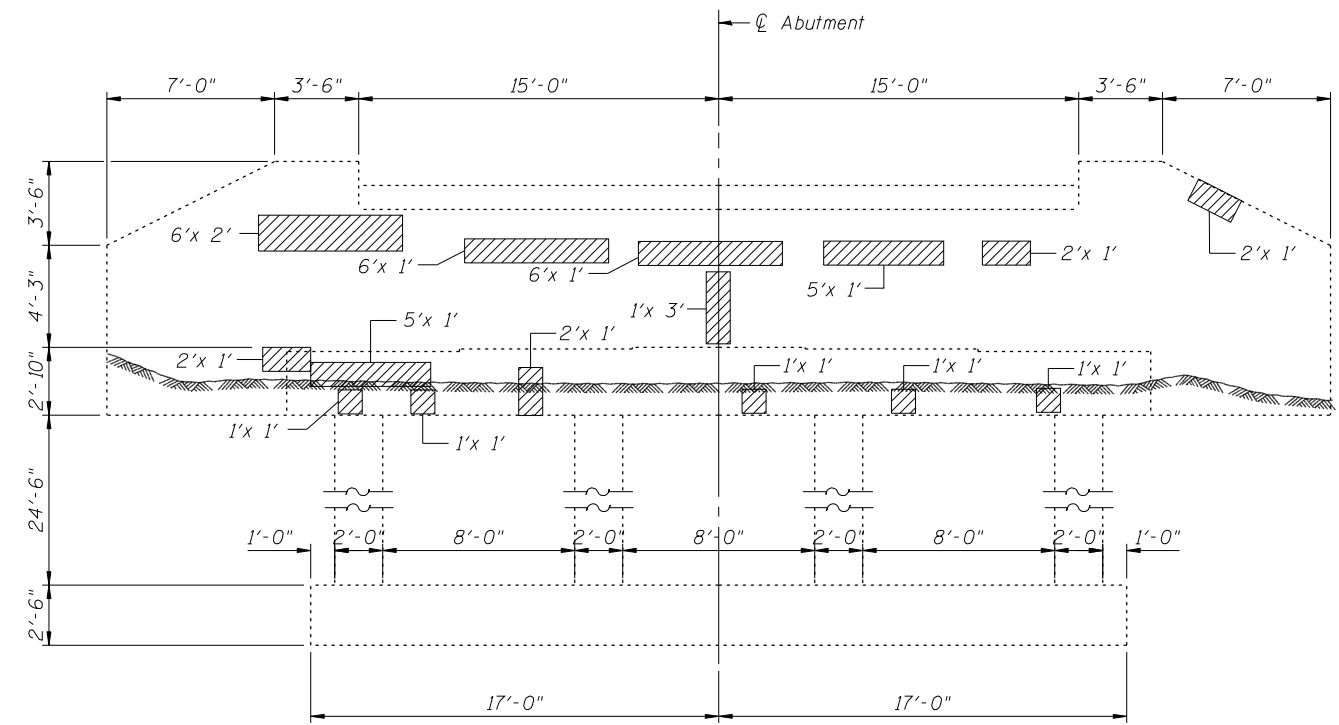
STRUCTURAL STEEL REPAIRS-VII
STRUCTURE NO'S. 099-0000 & 099-0009

SHEET NO. 551 OF 560 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-8R-1	MILL	106	87B
			CONTRACT NO. 60R62	
ILLINOIS FEDERAL AID PROJECT				



SOUTH ABUTMENT ELEVATION



NORTH ABUTMENT ELEVATION

LEGEND:

Structural Repair of Concrete
(Depth Equal to or Less Than 5 Inches)

BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq Ft	66

FILE NAME = It\103103.1-55 over Des Plains\Structural\CADD Sheets\160R62-52-SB-Abut-repairs.dgn

CHRISTIAN-ROGE & ASSOCIATES, INC.

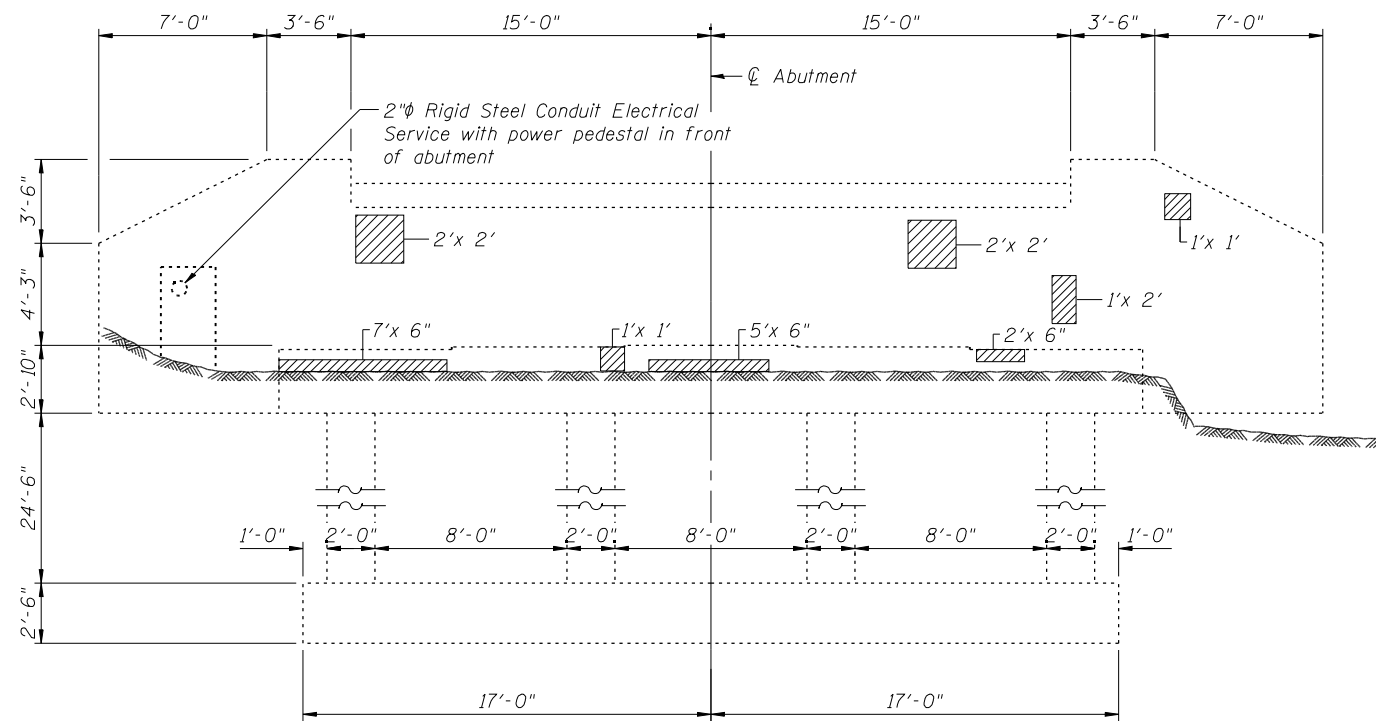
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	CHECKED - B.N.S./J.W.	REVISED -
PLOT SCALE = 0:2.0000 '1' / IN.	DRAWN - F.M.	REVISED -
PLOT DATE = 1/18/2013	DATE - JANUARY 16, 2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

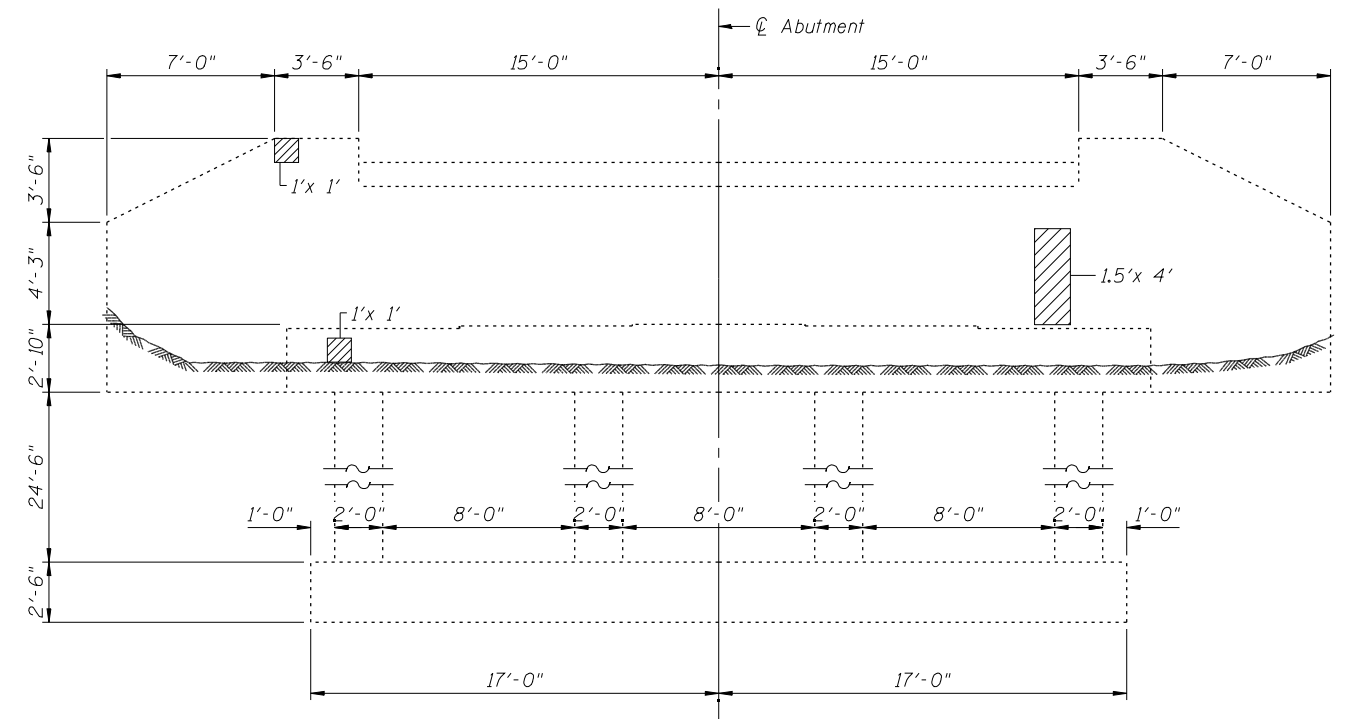
**NORTH & SOUTH ABUTMENT REPAIRS - SOUTHBOUND
STRUCTURE NO. 099-0008**

SHEET NO. S52 OF S60 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-I	WILL	106	88
			CONTRACT NO. 60R62	
ILLINOIS FED. AID PROJECT				




SOUTH ABUTMENT ELEVATION



NORTH ABUTMENT ELEVATION

LEGEND:

 Structural Repair of Concrete
(Depth Equal to or Less Than 5 Inches)

BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq Ft	27

FILE NAME = I:\103103.1+55 over des planes\structural\cadd sheets\160R62-53-NB_Abut-repairs.dgn



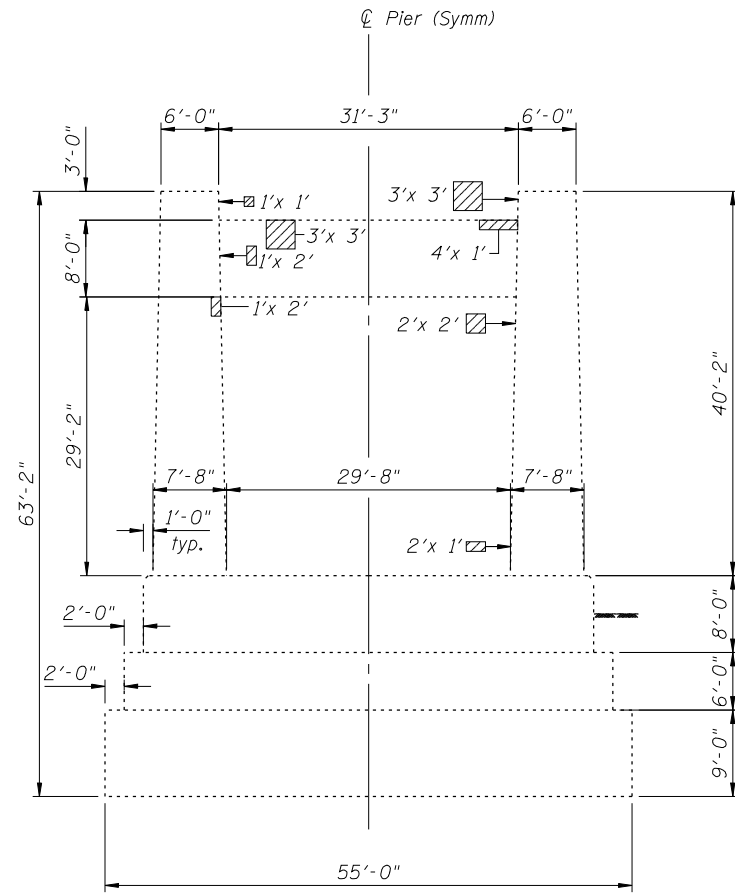
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PLOT DATE = 1/18/2013	DRAWN - F.M.	REVISED -
	DATE - JANUARY 16, 2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

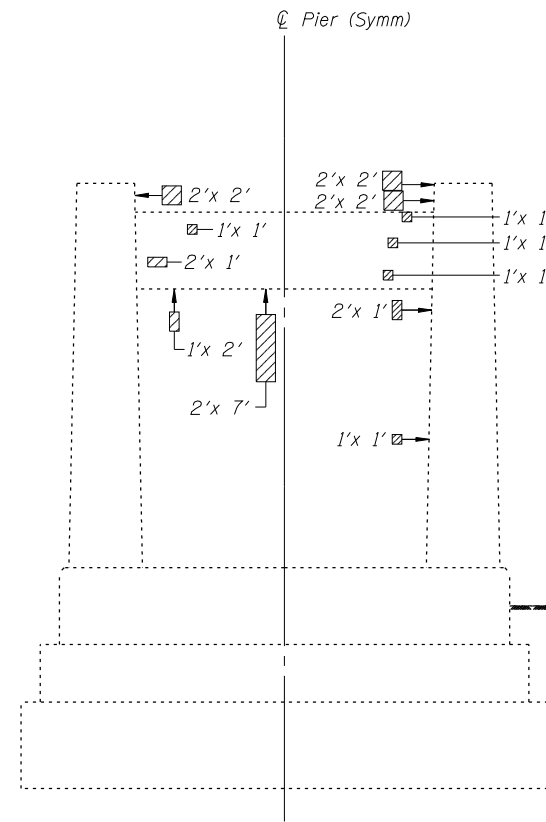
**NORTH & SOUTH ABUTMENT REPAIRS - NORTHBOUND
STRUCTURE NO. 099-0009**

SHEET NO. S53 OF S60 SHEETS

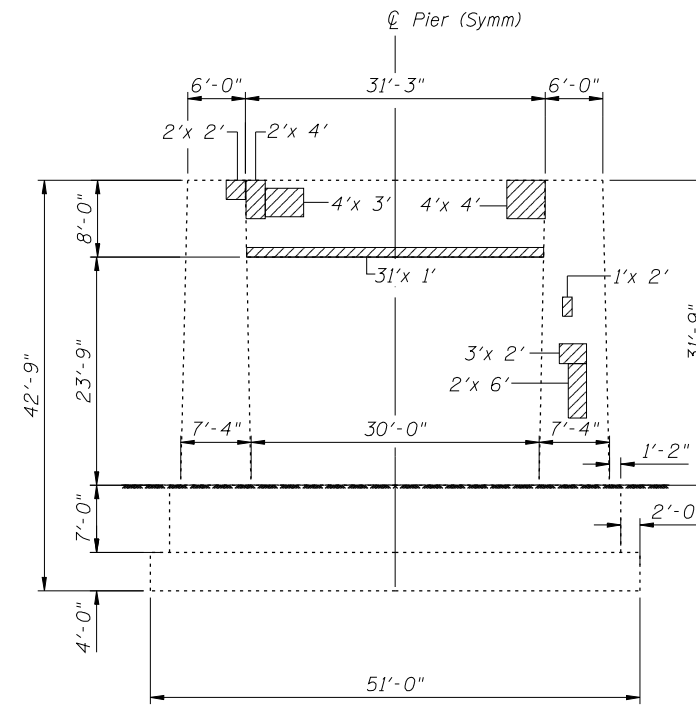
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-I	WILL	106	89
CONTRACT NO. 60R62				
ILLINOIS FED. AID PROJECT				



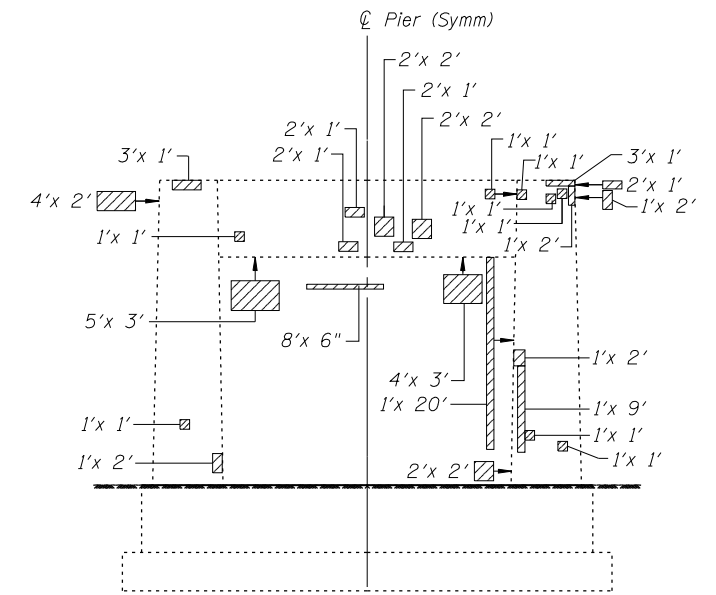
PIER 5 NORTH ELEVATION



PIER 5 NORTH ELEVATION

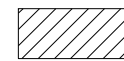


PIER 6 NORTH ELEVATION



PIER 6 NORTH ELEVATION

LEGEND:

 Structural Repair of Concrete
(Depth Equal to or Less Than 5 Inches)

BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq Ft	271

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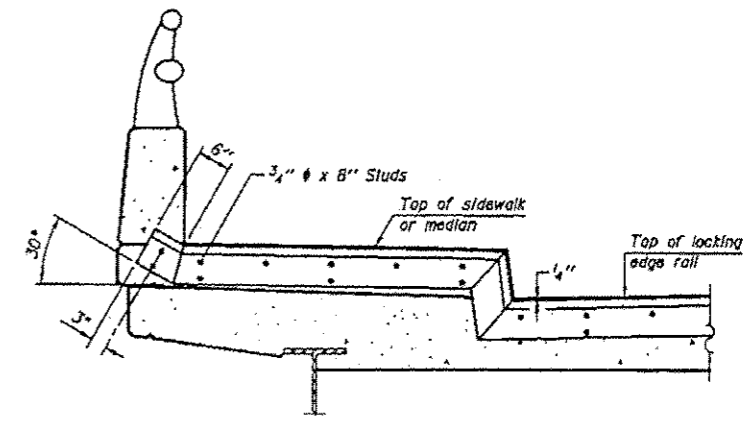
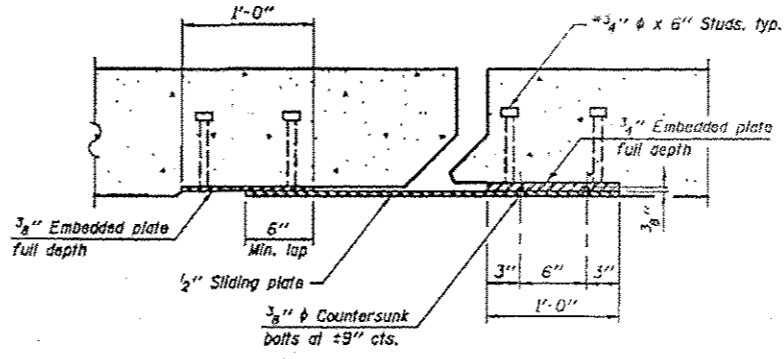
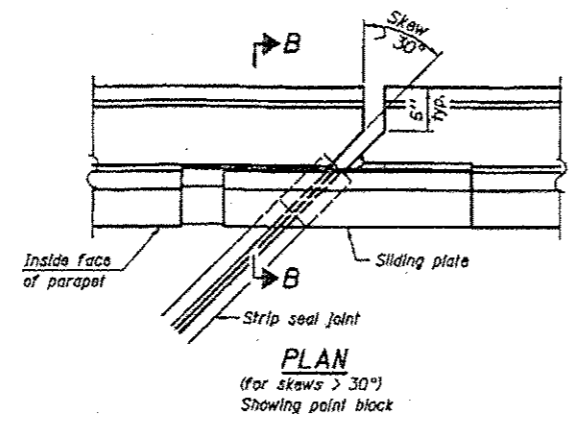
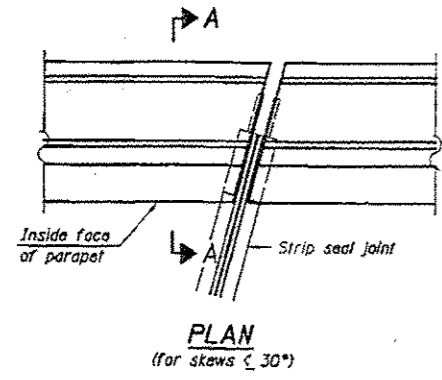
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PLOT DATE = 1/18/2013	DATE - JANUARY 16, 2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

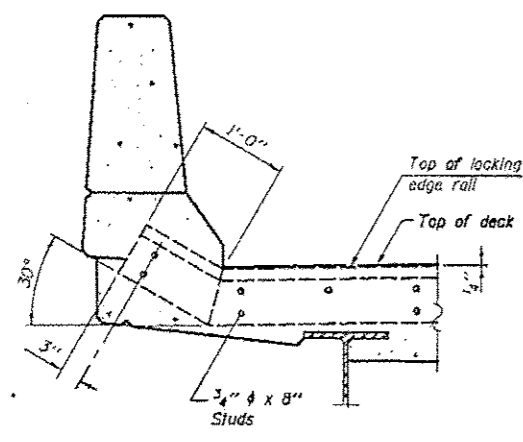
**PIERS 5 & 6 REPAIRS - NORTHBOUND
STRUCTURE NO. 099-0009**

SHEET NO. S59 OF S60 SHEETS

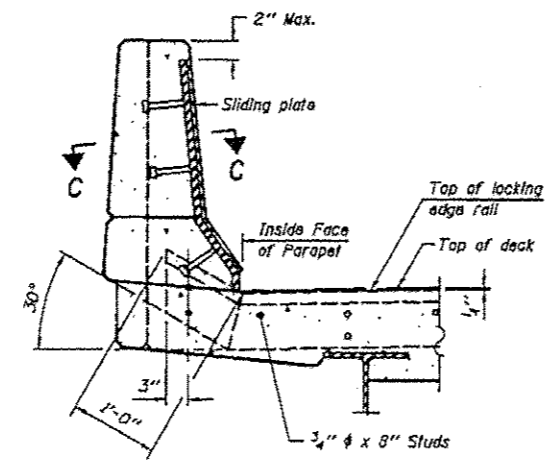
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	95
CONTRACT NO. 60R62			ILLINOIS FED. AID PROJECT	



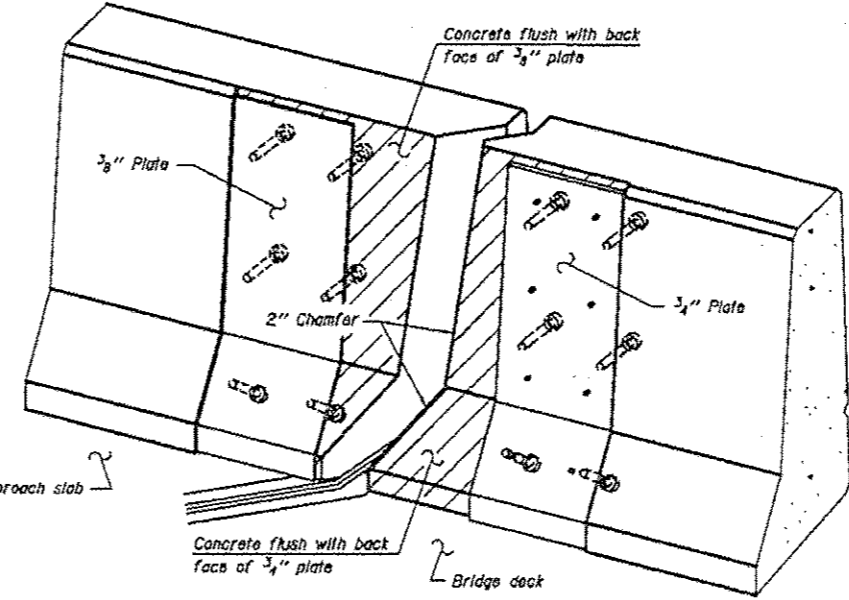
TYPICAL END TREATMENT AT SIDEWALK OR MEDIAN
 Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.



SECTION A-A

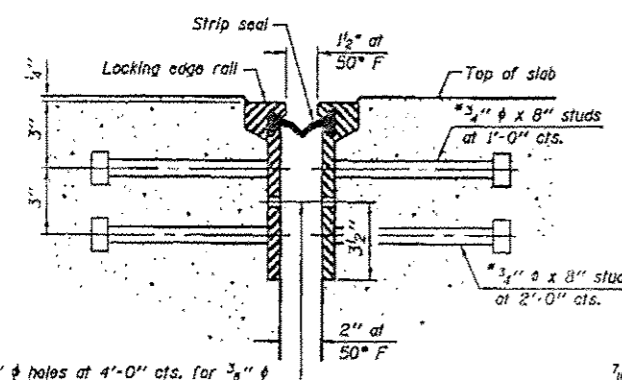


SECTION B-B



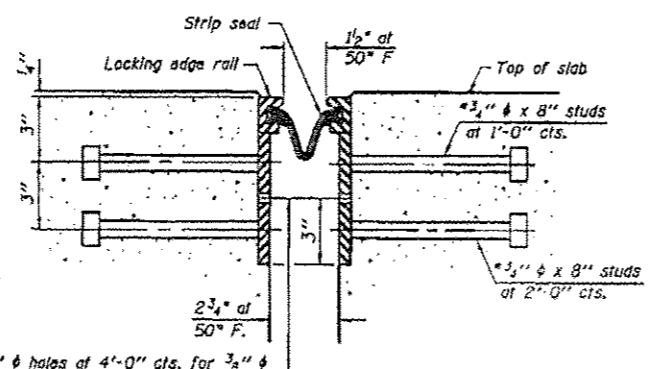
TRIMETRIC VIEW (Showing back plates only)

Notes:
 The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
 The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.
 The manufacturer's recommended installation methods shall be followed.
 The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.
 All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications. Maximum space between rail segments shall be 3/16", sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.
 Parapet plates and anchorage studs for skews > 30° included in the cost of Preformed Joint Strip Seal.



SECTION THRU ROLLED RAIL JOINT

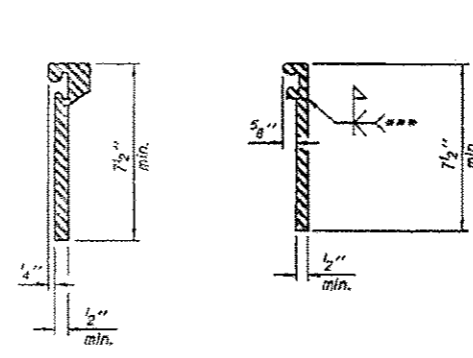
1/16" holes at 4'-0" cts. for 3/8" bolts. All bolts shall be burned, sawed, or clipped off flush with the plates after forms are removed, typ.



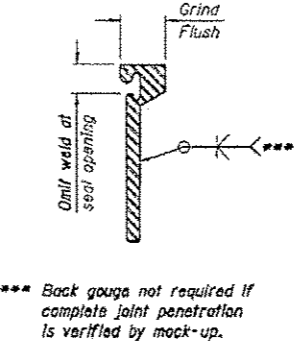
SECTION THRU WELDED RAIL JOINT

7/16" holes at 4'-0" cts. for 3/8" bolts. All bolts shall be burned, sawed, or clipped off flush with the plates after forms are removed, typ.

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



ROLLED EXTRUDED RAIL WELDED RAIL



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue.
 Rolled rail shown, welded rail similar.

LOCKING EDGE RAILS

BILL OF MATERIAL (AT NORTH & SOUTH ABUTMENTS)

Item	Unit	Total
Preformed Joint Strip Seal	Foot	144

FILE NAME = I:\MUR2103\1-55 ever Das Platea\Structural\CAD00 Sheets\0106BSE2-82-Pr-form-1f-seal.dgn

EJ-SSJ 1-27-12

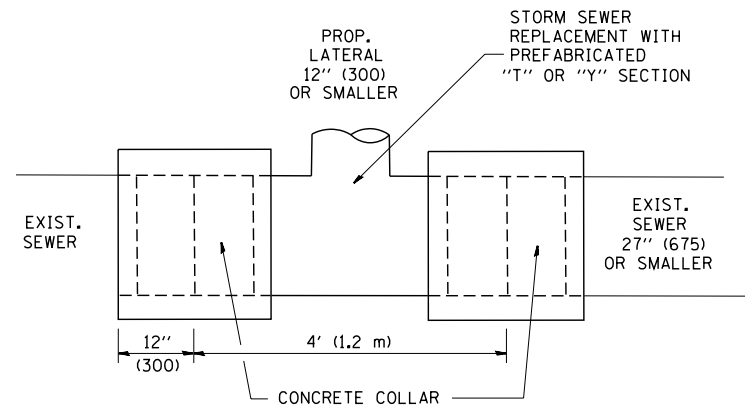


USER NAME = 1007	DESIGNED - J.C.N./B.N.S./J.W.	REVISED -
PLAT SCALE = 5/8" = 1'-0"	CHECKED - B.N.S./J.W.	REVISED -
PLAT DATE = 3/19/2013	DRAWN - F.M.	REVISED -
	DATE - MARCH 20, 2013	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

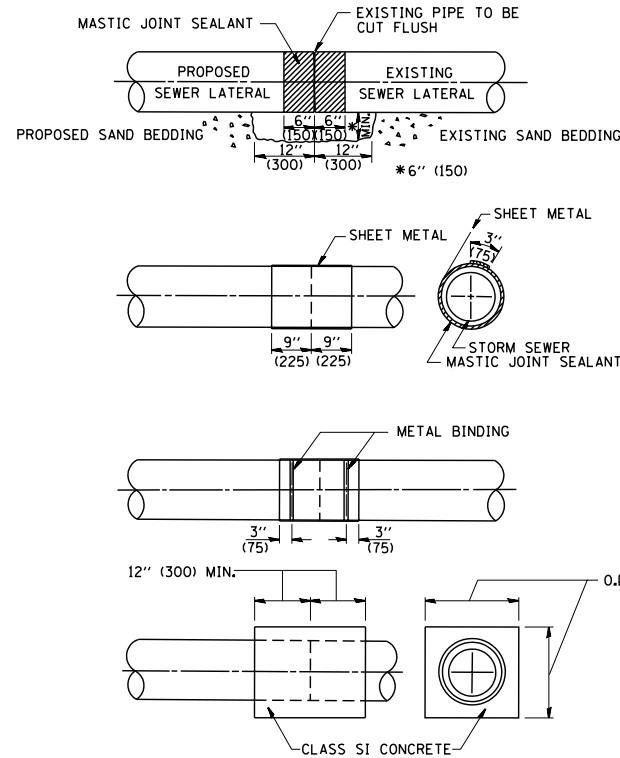
PREFORMED JOINT STRIP SEAL
 STRUCTURE NO'S. 099-0008 & 099-0009
 SHEET NO. 560 OF 560 SHEETS

F.A.I. RTE. 55	SECTION 87B, D-BR-1	COUNTY WILL	TOTAL SHEETS 106	SHEET NO. 96
			CONTRACT NO. 60R62	
ILLINOIS FED. AID PROJECT				



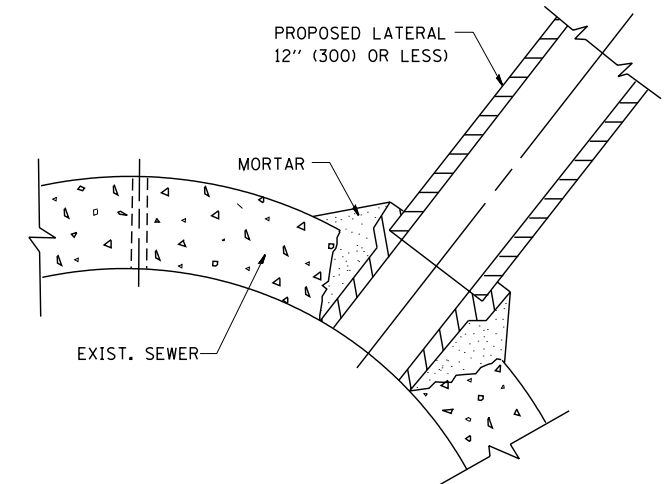
DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



DETAIL "B"

CLASS SI CONCRETE COLLAR



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

CONSTRUCTION SEQUENCE

- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
- APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
- WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

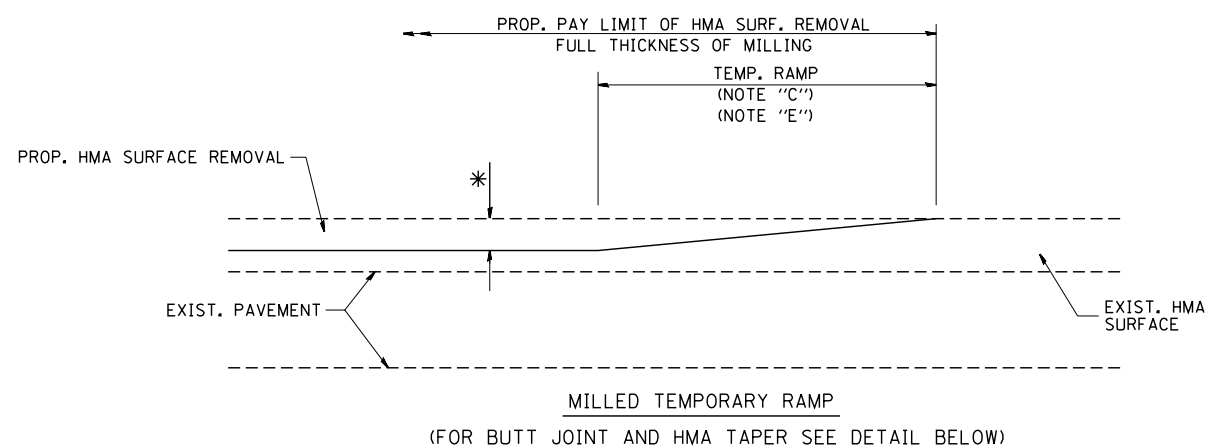
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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

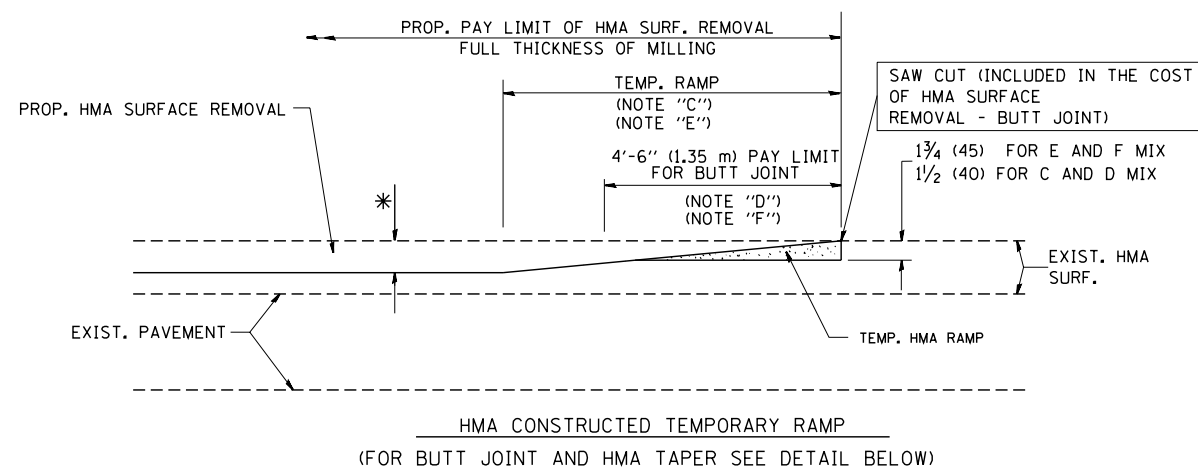
DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	97
BD500-01 (BD-7)		CONTRACT NO. 60R62		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

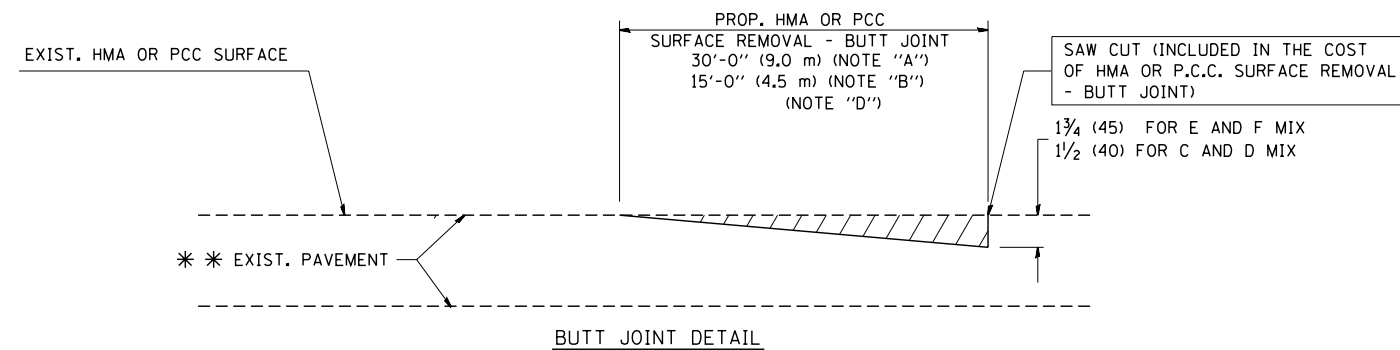


OPTION 1

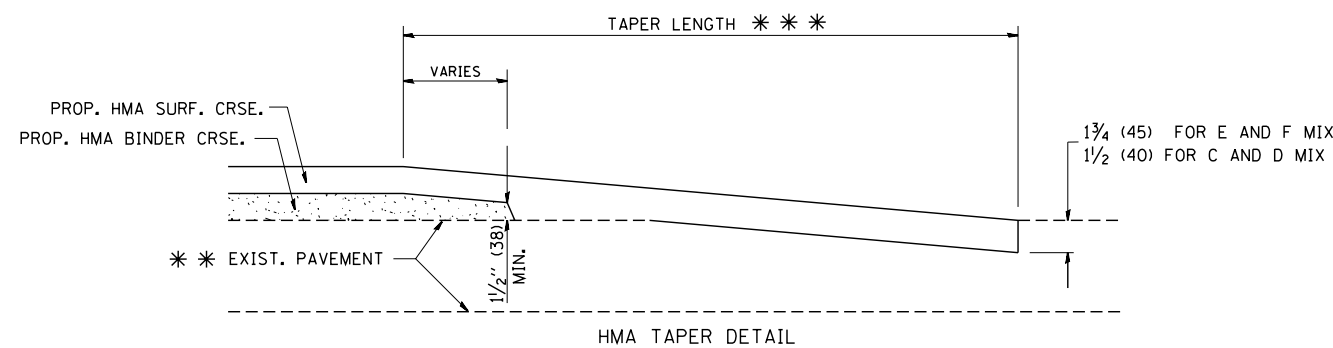


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

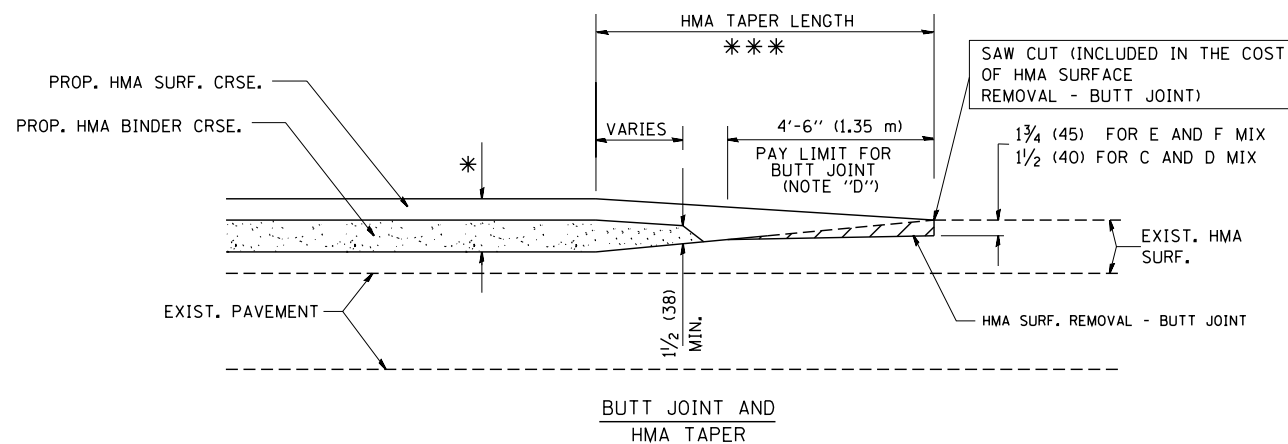
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

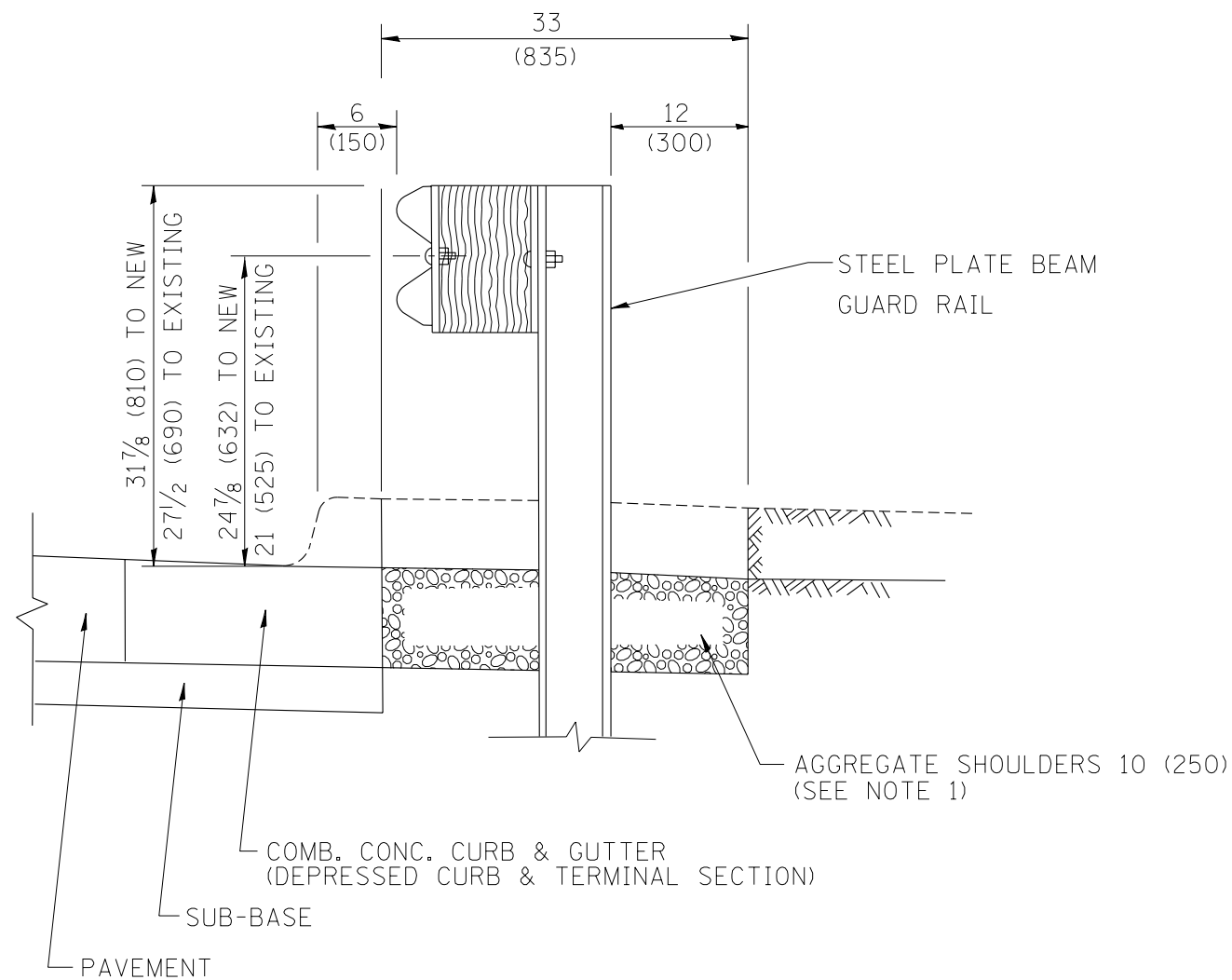
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	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

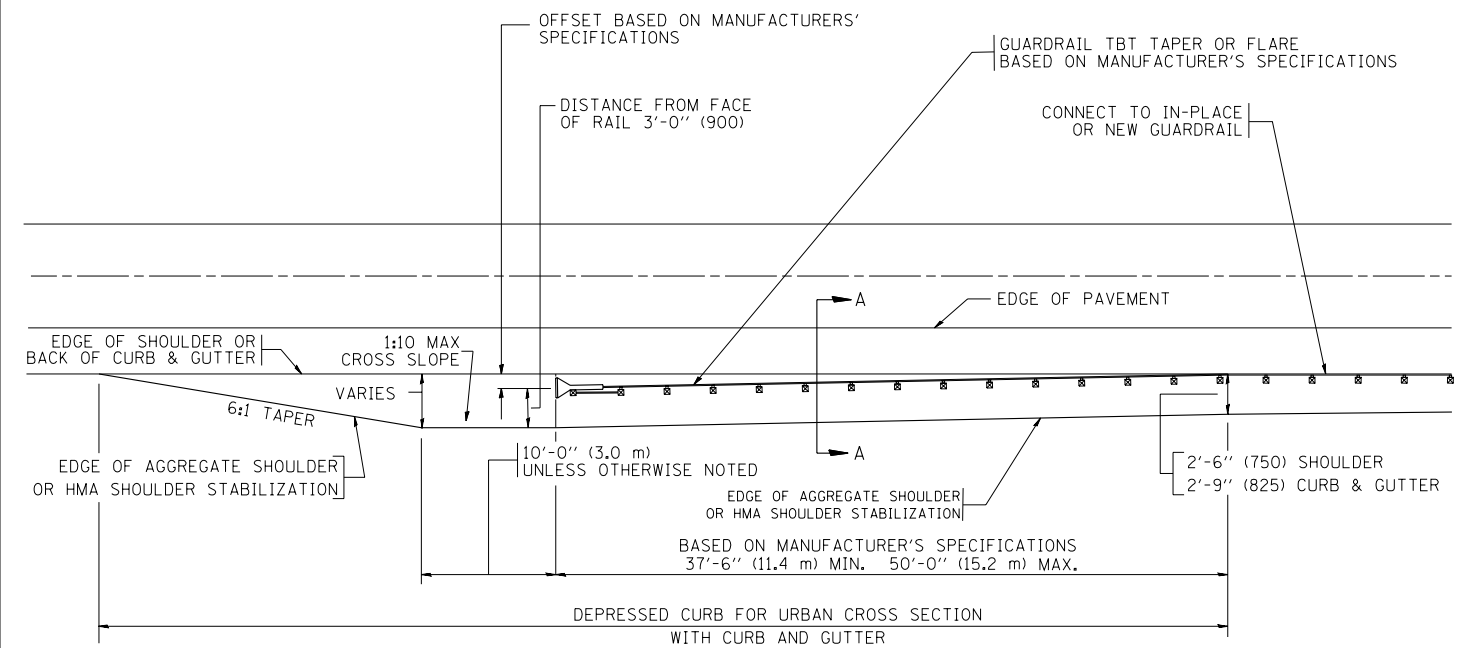
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	98
BD400-05 BD32			CONTRACT NO. 60R62	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10" OR HMA SHOULDER, 6" (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
 2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
 3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER
 [FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]



DEPRESSED CURB AND GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.

BASIS OF PAYMENT: HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDERS 6" (150 mm)".

STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL
 ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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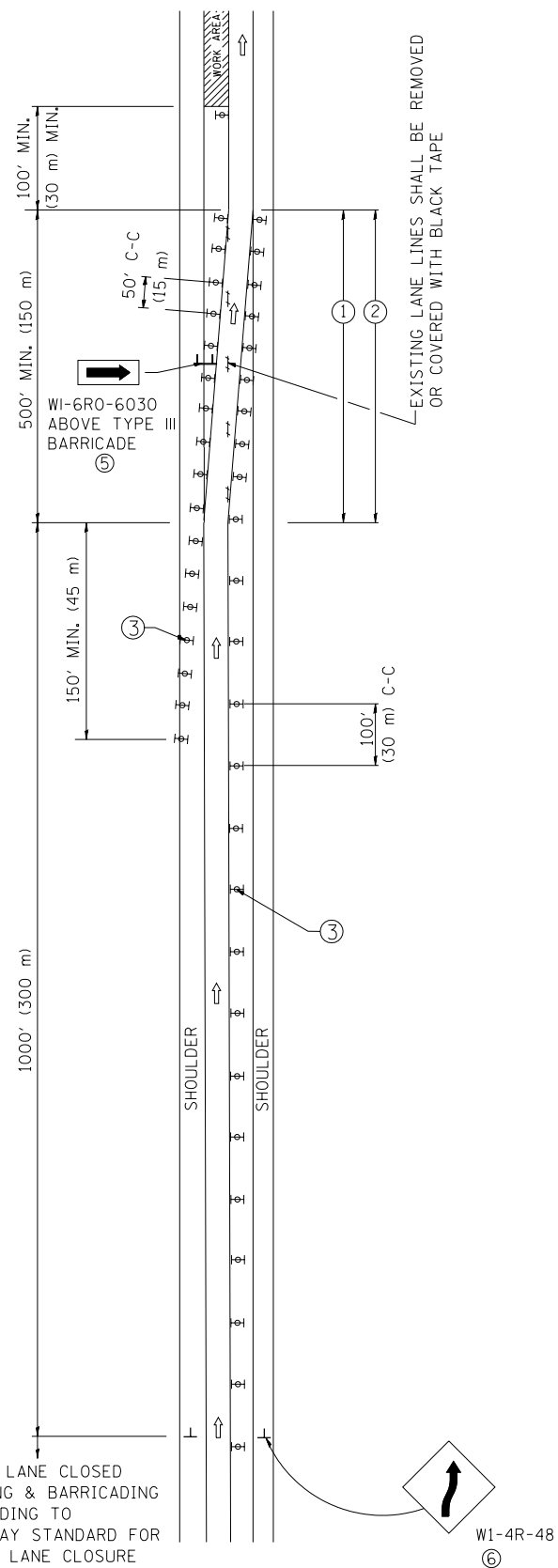
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR DEPRESSED CURB & GUTTER AND
SHOULDER TREATMENT AT TBT TY 1 SPL.

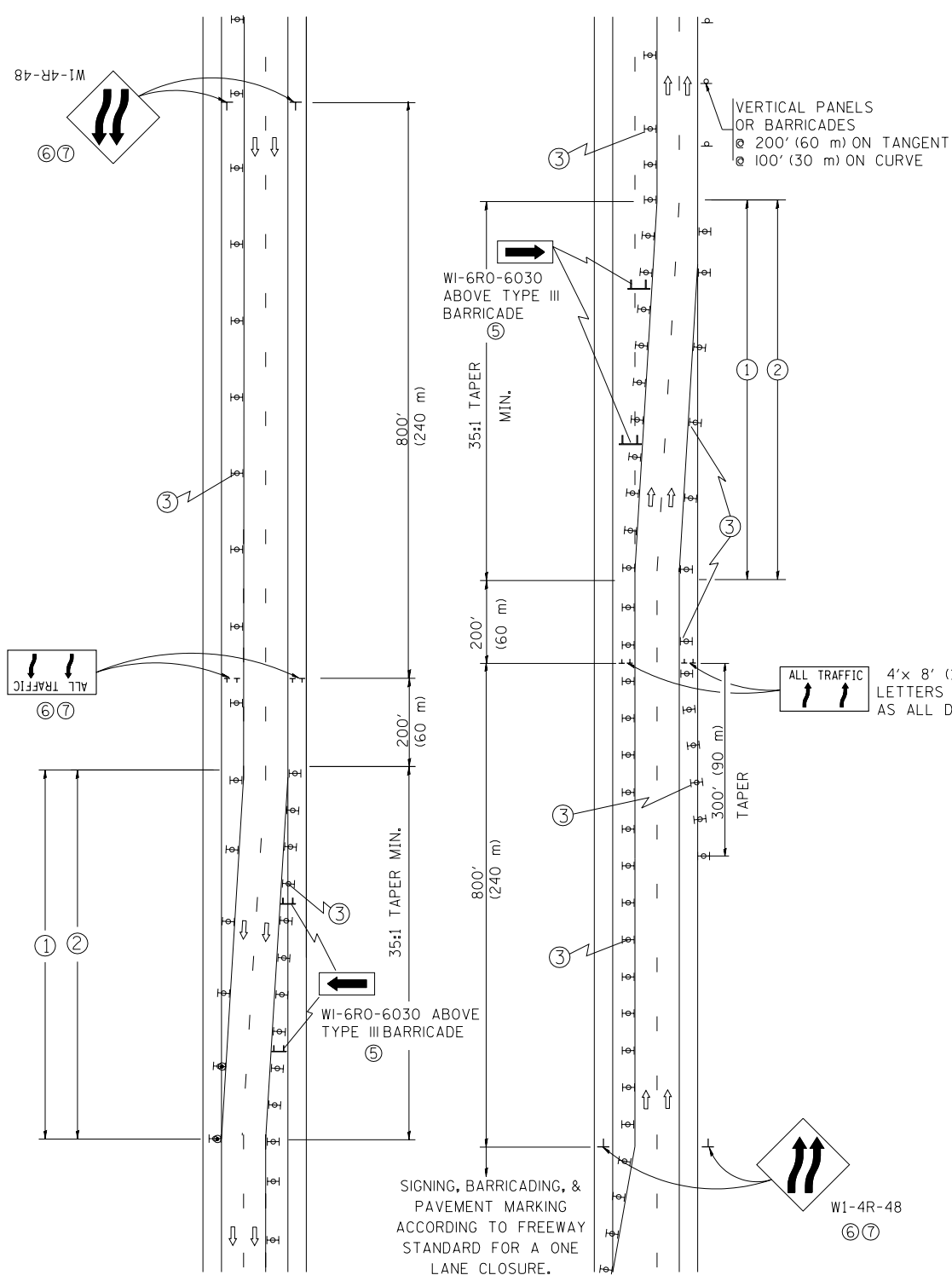
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD600-10 (BD 34)		CONTRACT NO. 60R62		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SINGLE LANE WEAVE



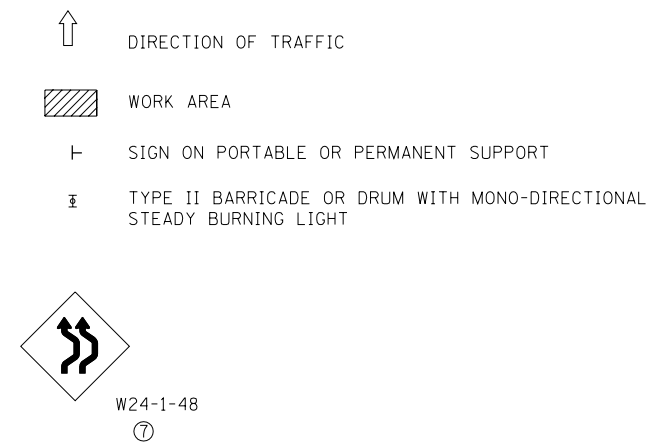
MULTI-LANE WEAVE



GENERAL NOTES

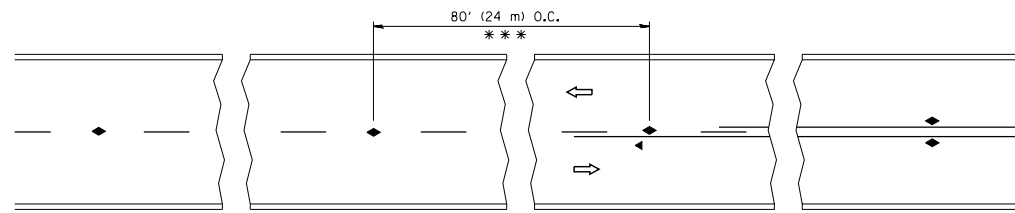
- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 24 HOURS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS. TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. WI-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

SYMBOLS



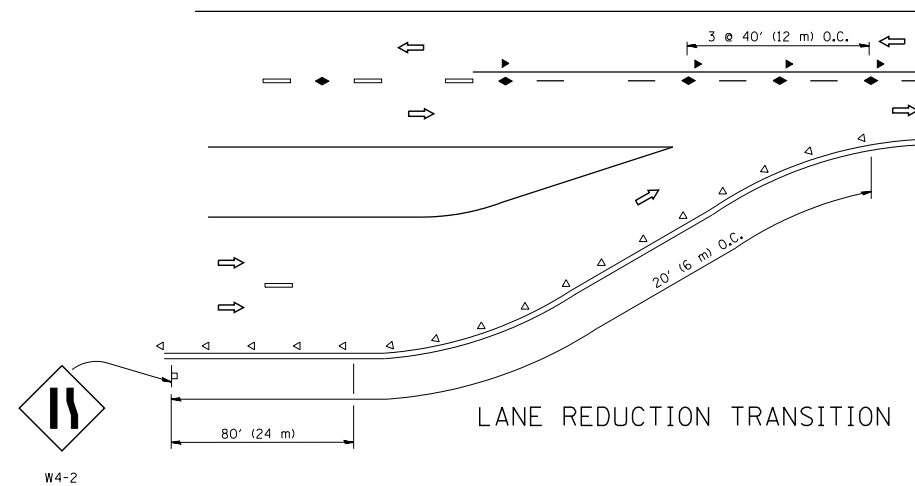
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - JAF 02-06	REVISED - SPB 01-07			TC-09		CONTRACT NO. 60R62				
PLOT DATE = 1/26/2010	DATE - 02-87	REVISED - SPB 01-07	REVISED - SPB 12-09			SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

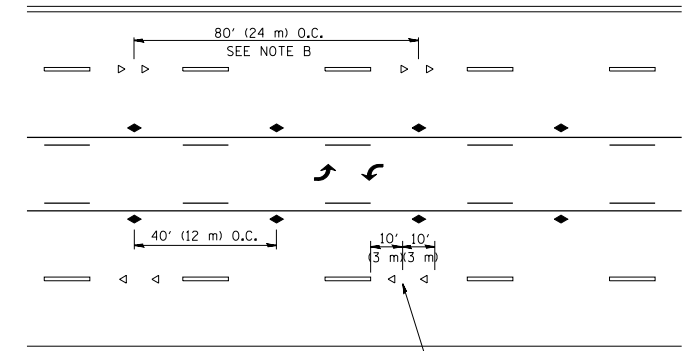


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

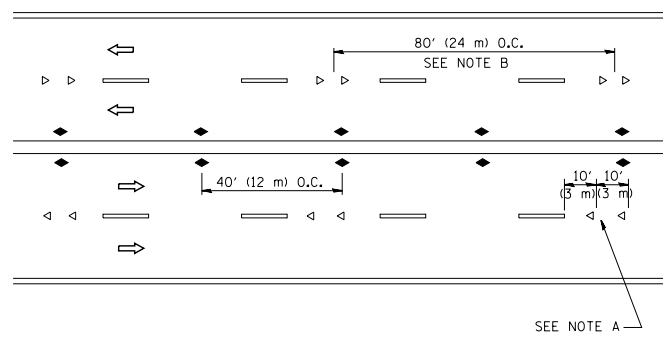
TWO-LANE/TWO-WAY



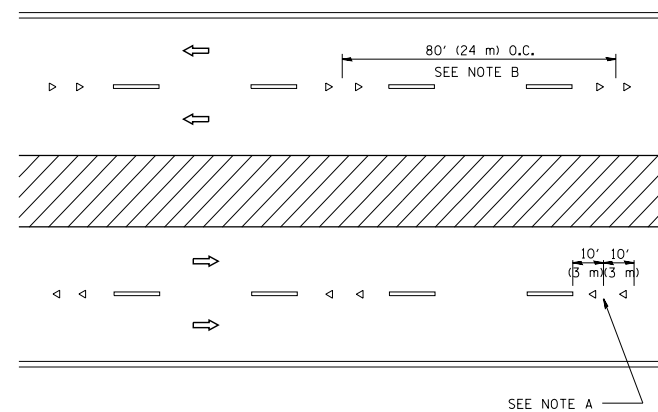
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

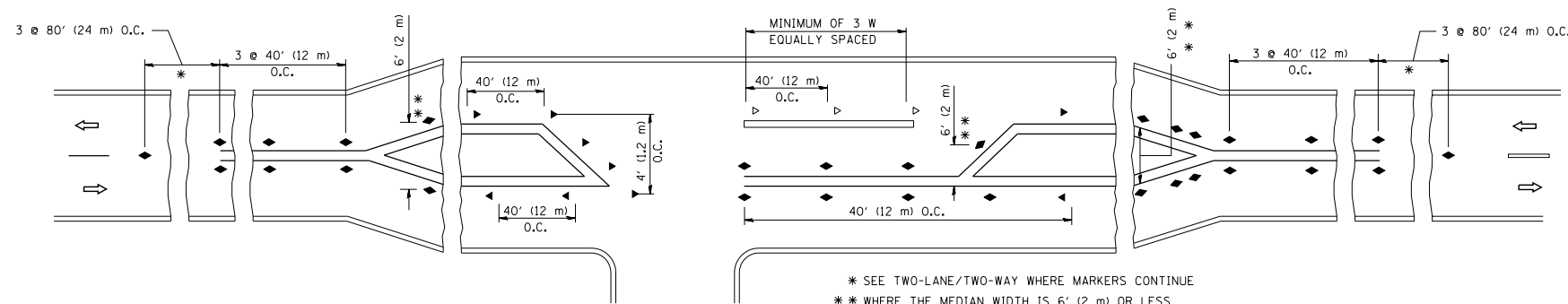
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



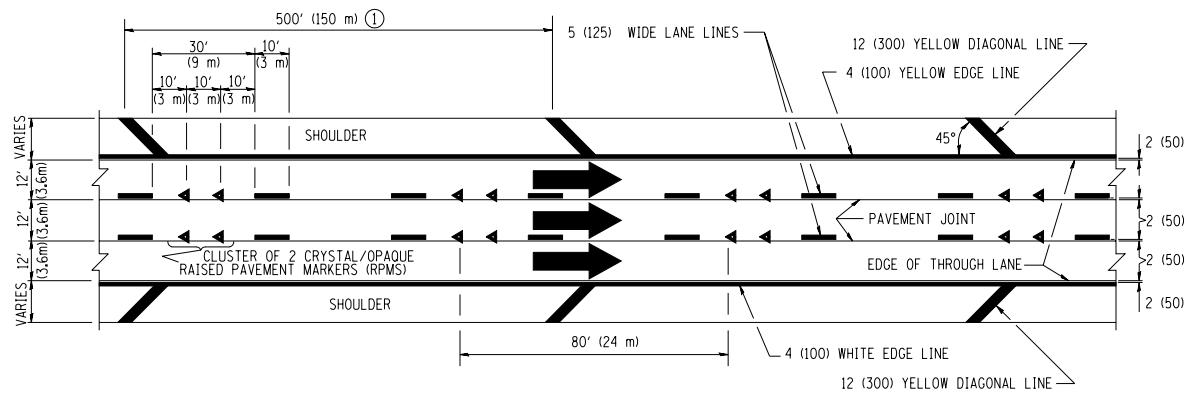
LEFT TURN

All dimensions are in inches (millimeters) unless otherwise shown.

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		PLOT DATE = 3/2/2011	REVISED - C. JUCIUS 09-09-09

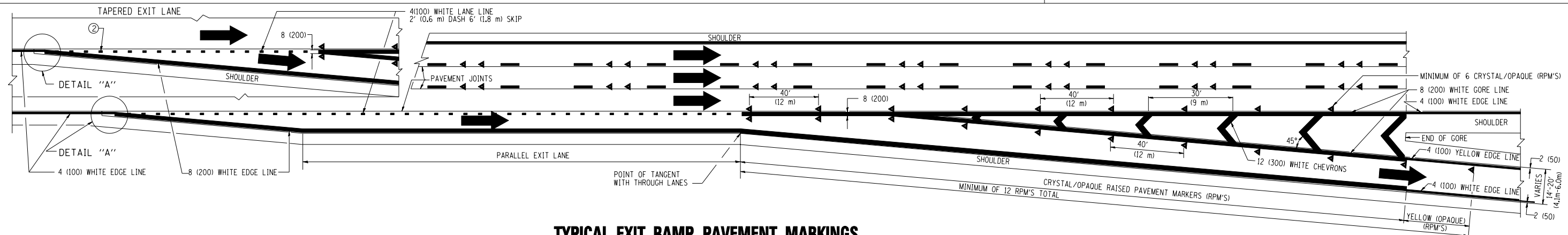
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS		F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)		55	87B, D-BR-1	WILL	106	101
SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	
		TC-11		CONTRACT NO. 60R62		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

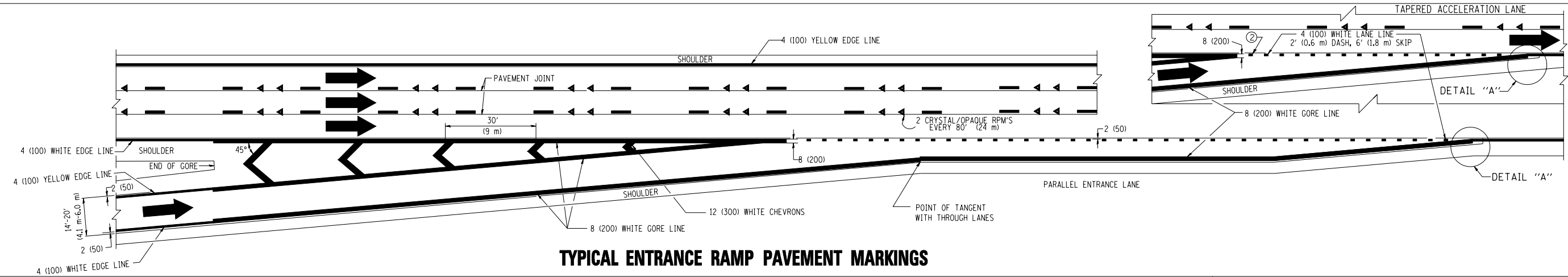


TYPICAL EDGE LINES & LANE LINES

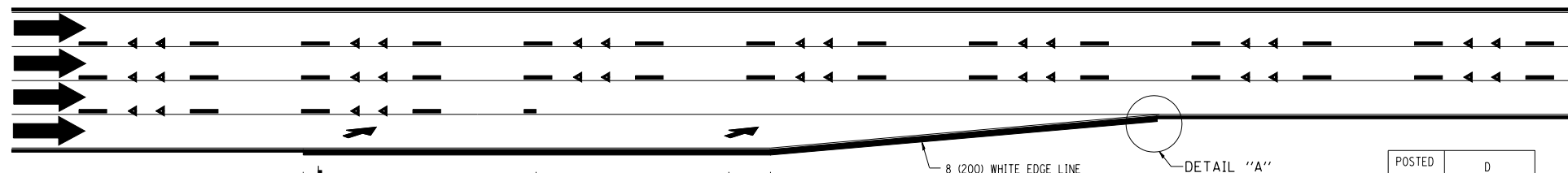
- PAVEMENT MARKING MATERIALS**
1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
 2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE SHALL BE USED FOR ALL LANE LINES ON BITUMINOUS PAVEMENT.
 3. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC.



TYPICAL EXIT RAMP PAVEMENT MARKINGS

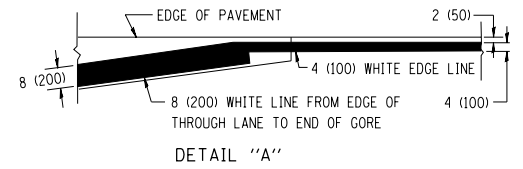


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS

POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)



- NOTES:**
- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
 - ② 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

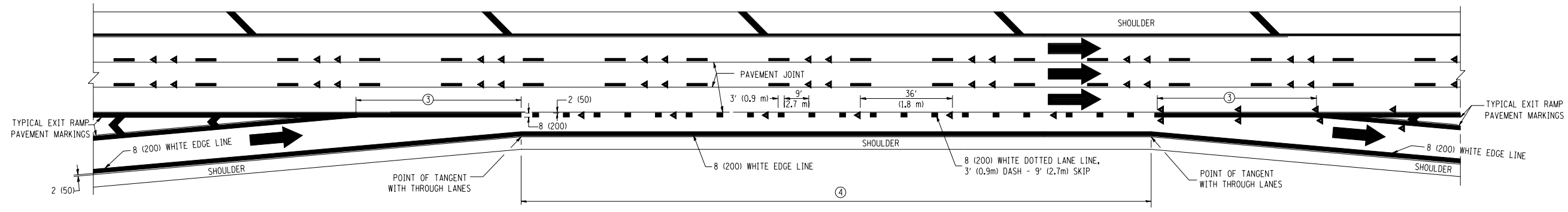
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

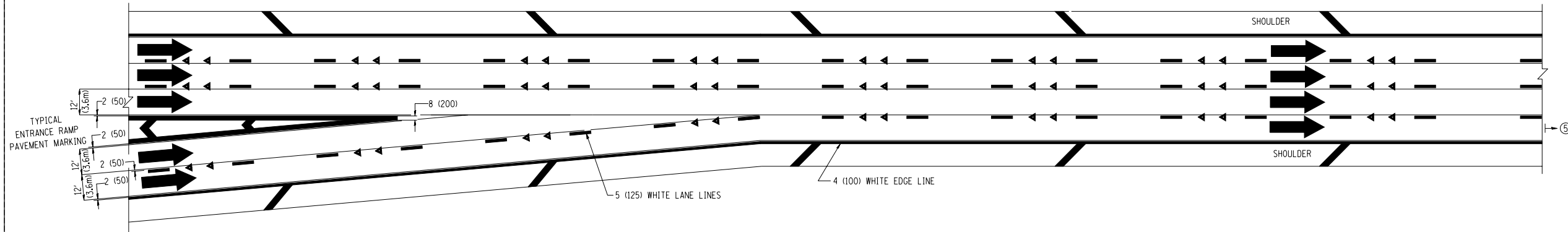
**MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS**

SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. TO STA.

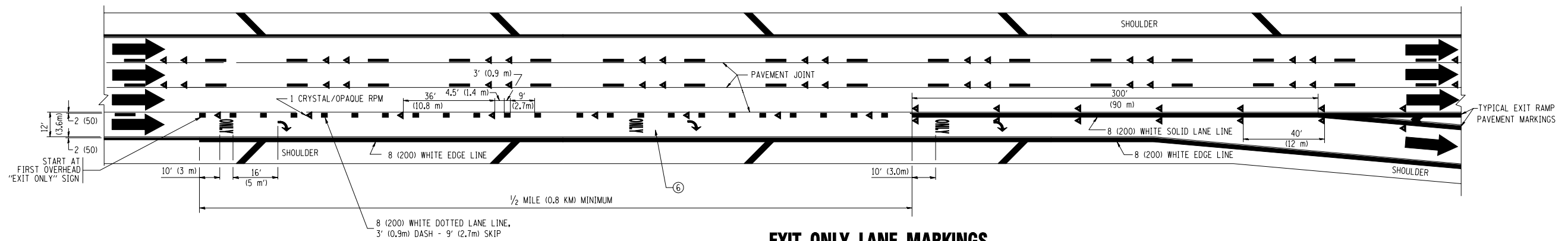
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	102
TC-12		CONTRACT NO. 60R62		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



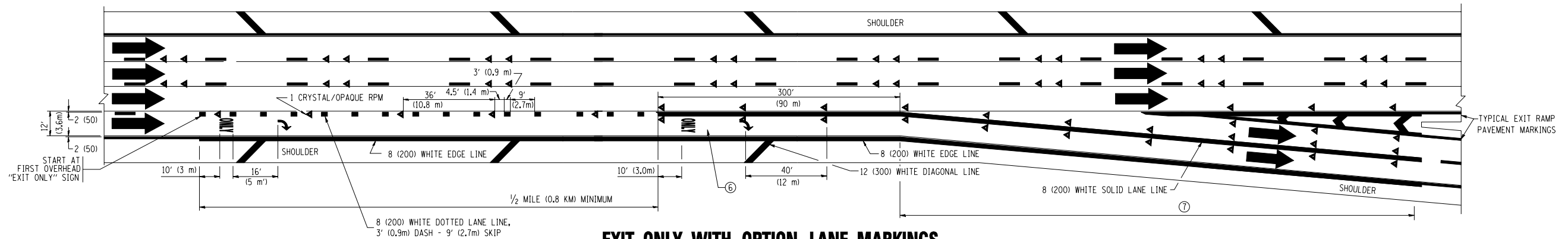
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

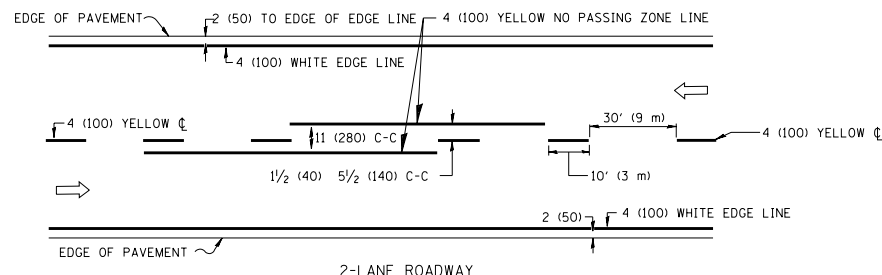
- NOTES**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
 - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

FILE NAME =	USER NAME = leysa	DESIGNED - D.W.S.	REVISED - D.W.S. 07-96
ca:\pwwork\pwidot\LEYSAN\0108315\1c12.dgn		DRAWN -	REVISED - J.A.F. 02-06
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - S.P.B. 01-07
	PLOT DATE = 1/22/2010	DATE - 01-90	REVISED - S.P.B. 01-10

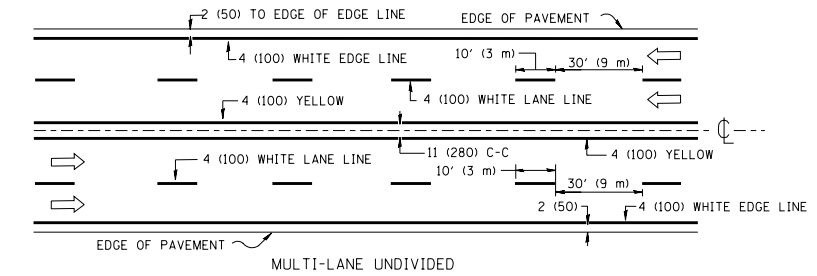
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS			
SCALE: NONE	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.

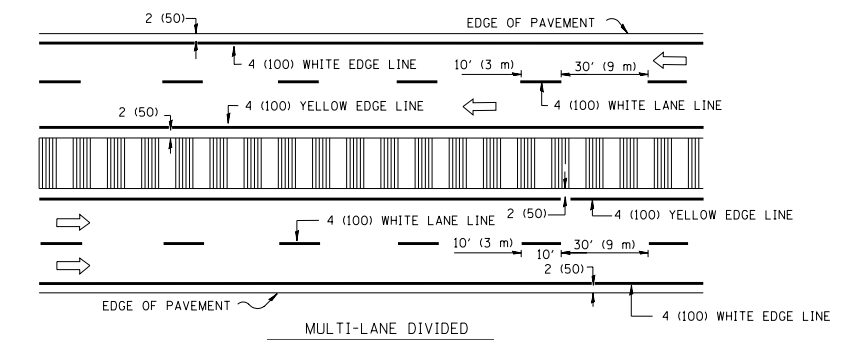
F.A.I. RTE. 55	SECTION 87B, D-BR-1	COUNTY WILL	TOTAL SHEETS 106	SHEET NO. 103
TC-12		CONTRACT NO. 60R62		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY



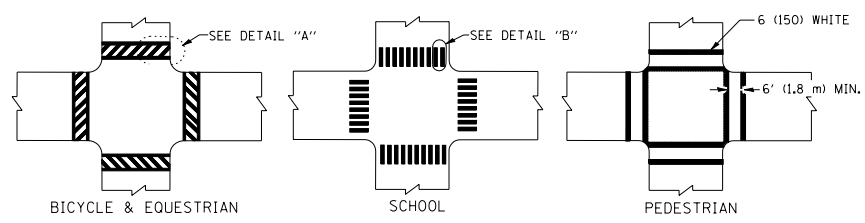
MULTI-LANE UNDIVIDED



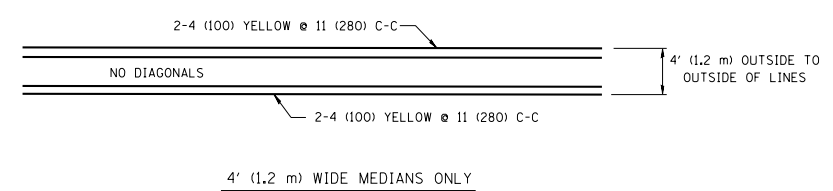
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

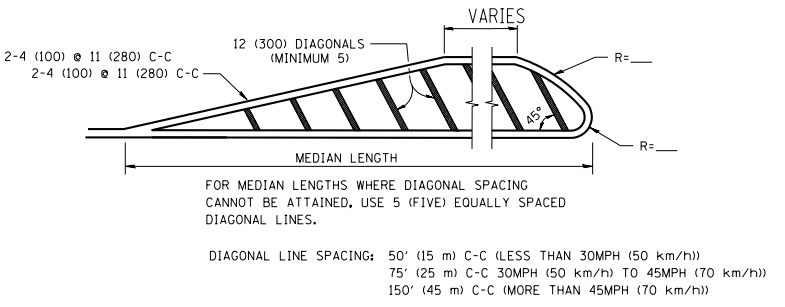
TYPICAL LANE AND EDGE LINE MARKING



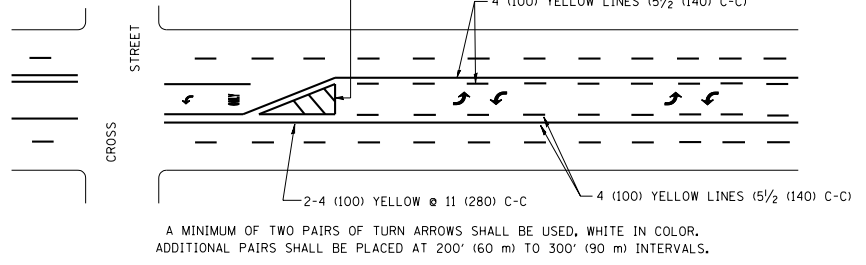
TYPICAL CROSSWALK MARKING



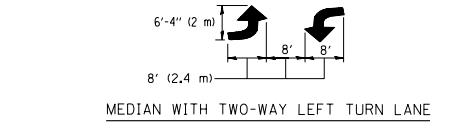
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



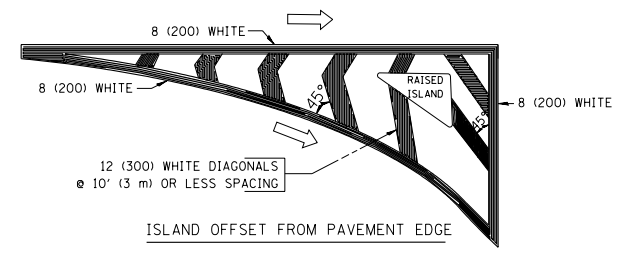
TYPICAL PAINTED MEDIAN MARKING



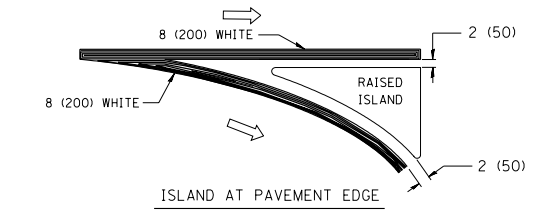
TYPICAL LEFT (OR RIGHT) TURN LANE

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

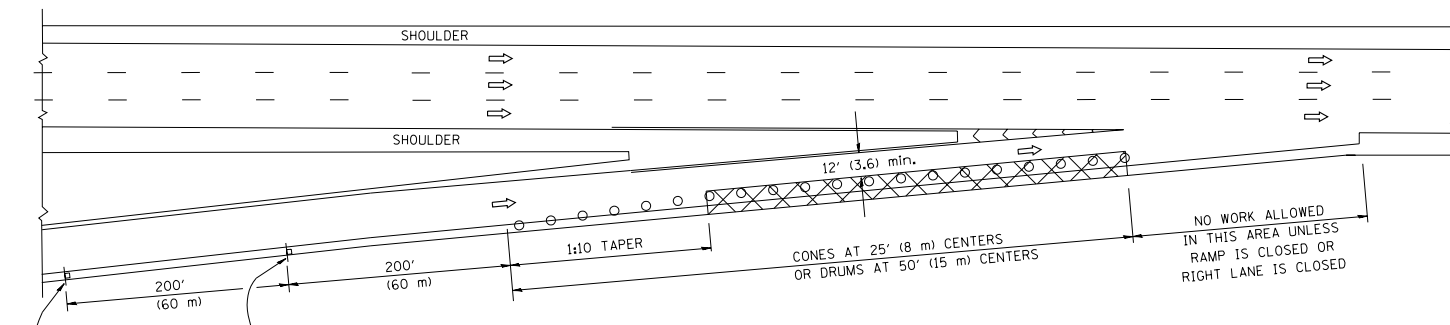
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = drivakosgn	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
ca:\pwwork\pwwork\drivakosgn\d0108315\td0108315.dgn		DRAWN -	REVISED -C. JUCIUS 09-09-09
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

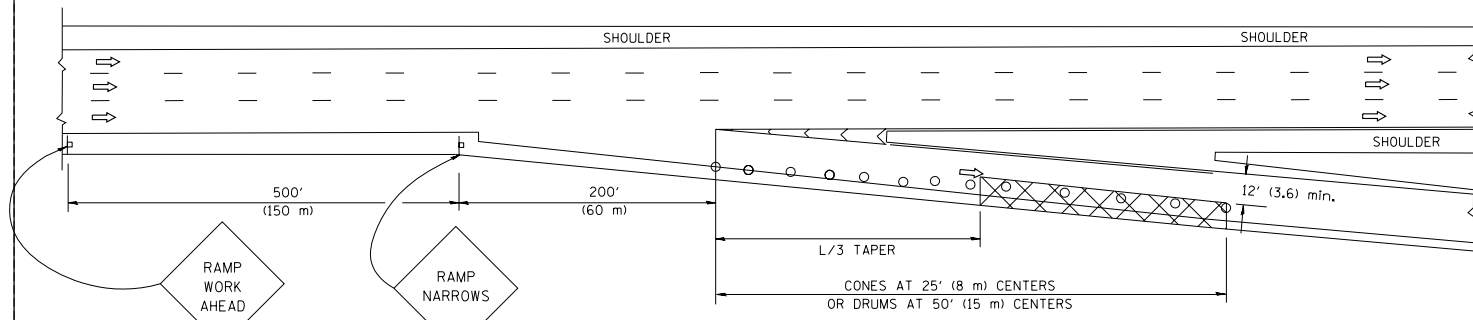
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		55	87B, D-BR-1	106	104
SCALE: NONE		TC-13		CONTRACT NO. 60R62	
SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

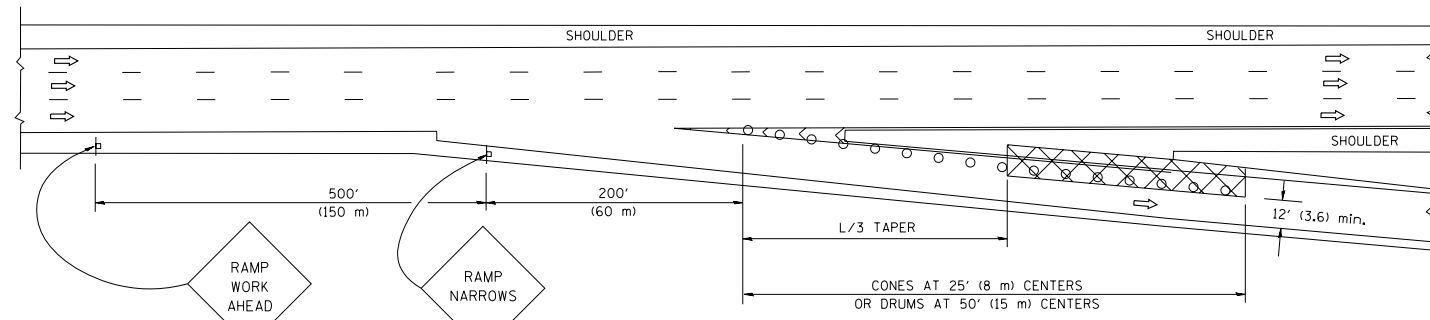
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

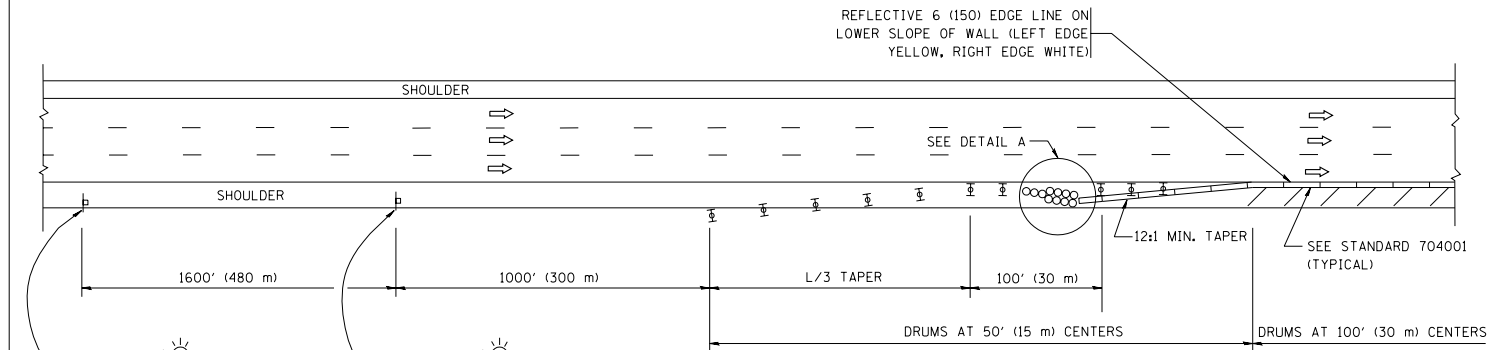
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

GENERAL NOTES

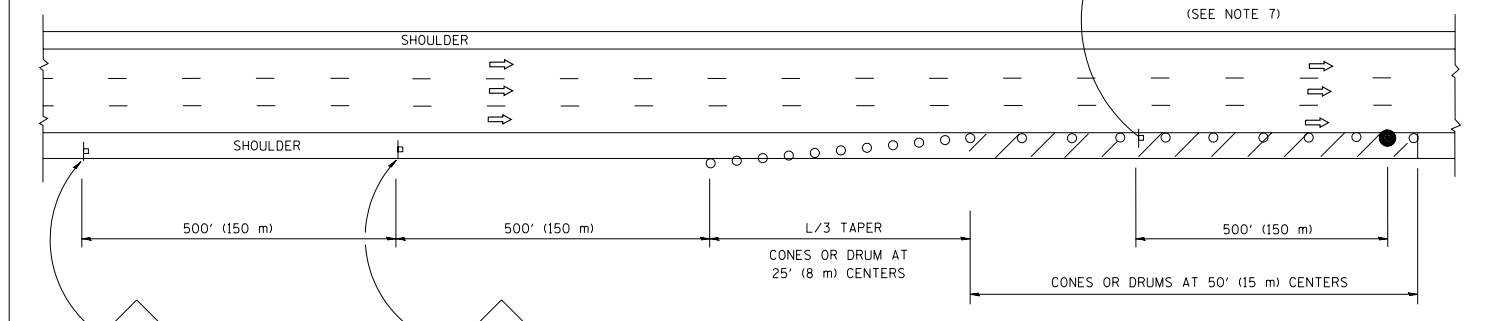
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH L=0.65(W)(S) L=(W)(S)
W = WIDTH OF OFFSET IN FEET (METERS) S = NORMAL POSTED SPEED MPH (KM/H)	
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

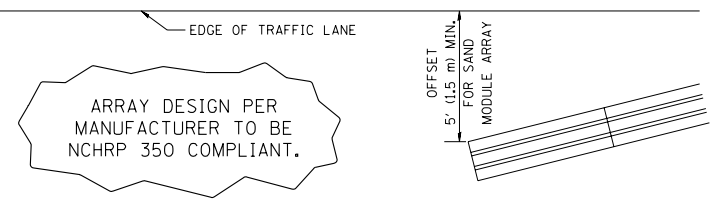


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRANCH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCRANCHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\17.dgn	USER NAME = leuss	DESIGNED -	REVISED - 04-03
		DRAWN - D.W.S.	REVISED - J.A.F. 12-06
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - S.P.B. 01-07
	PLOT DATE = 1/26/2010	DATE - 11-96	REVISED - S.P.B. 12-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

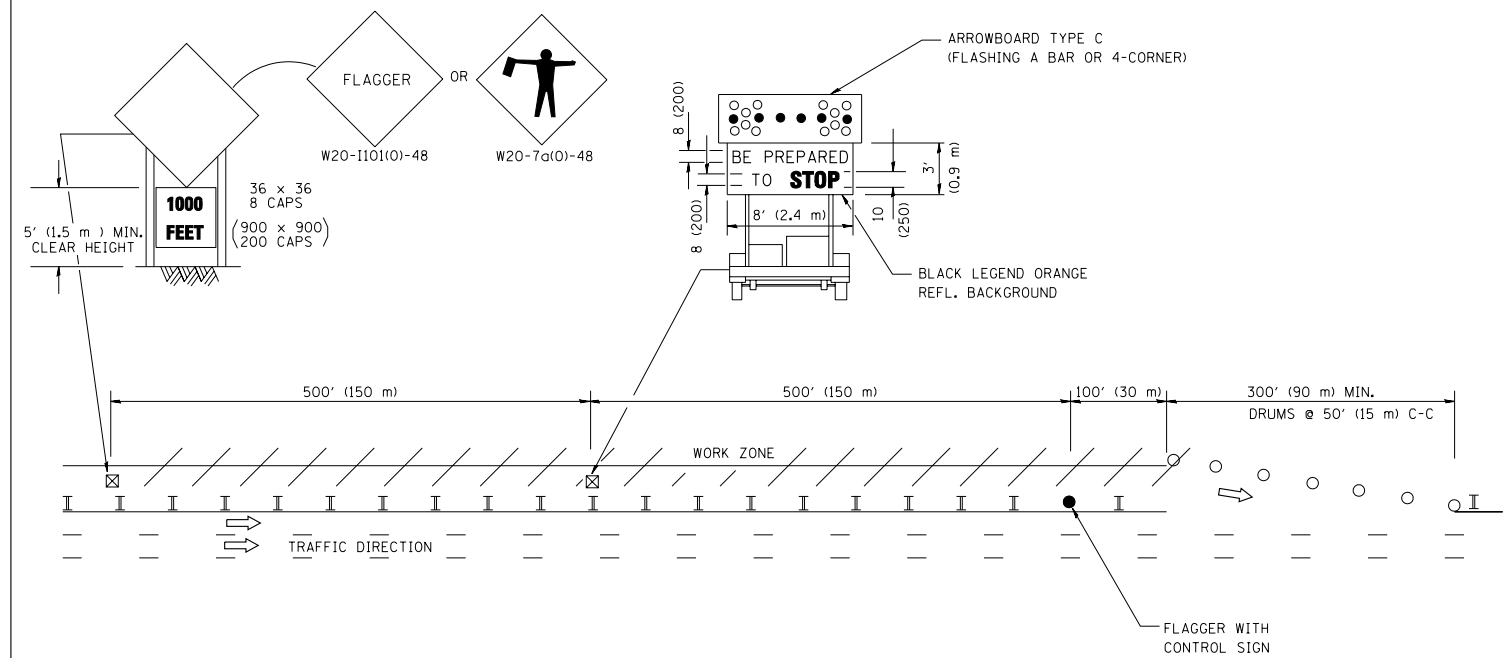
TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

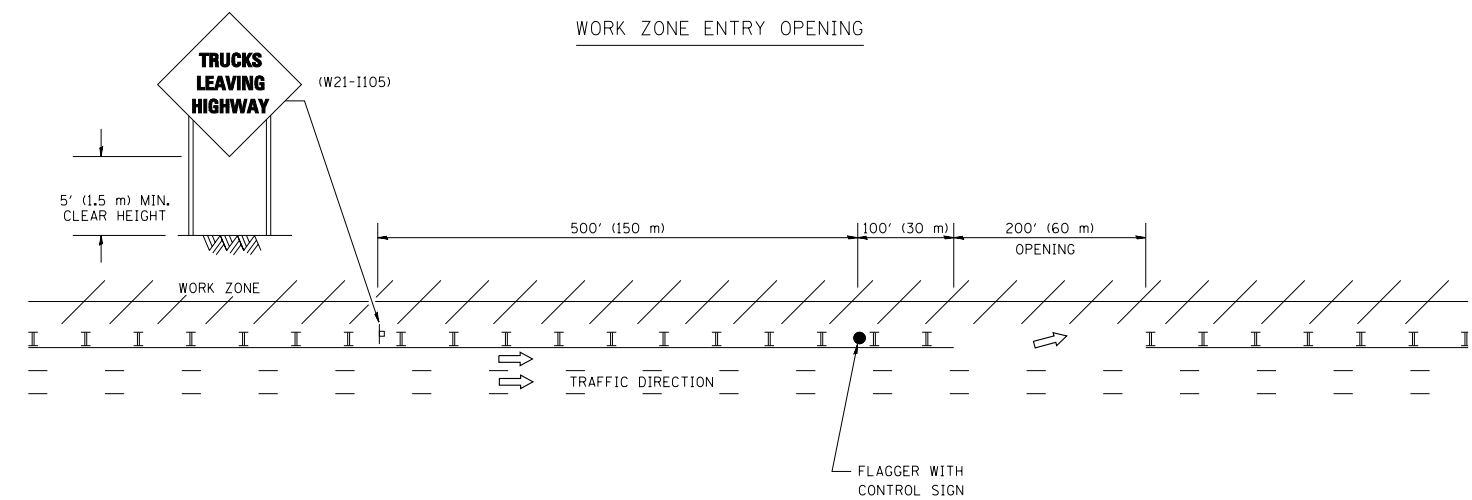
F.A.J. RTE: 55	SECTION 87B, D-BR-1	COUNTY WILL	TOTAL SHEETS 106	SHEET NO. 105
TC-17		CONTRACT NO. 60R62		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. THE ARROWBOARD, THE FLAGGER AHEAD SIGN AND THE TRUCKS LEAVING HIGHWAY SIGN SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE EXIT OPENINGS SHOULD BE A MINIMUM OF ONE HALF MILE APART.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = lq500	DESIGNED -	REVISED - J.A.F. 04-03
W:\diststd\22x34\1018.dgn		DRAWN -	REVISED - J.A.F. 02-06
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - S.P.B. 01-07
	PLOT DATE = 1/26/2010	DATE -	REVISED - S.P.B. 12-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	87B, D-BR-1	WILL	106	106
TC-18		CONTRACT NO. 60R62		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				