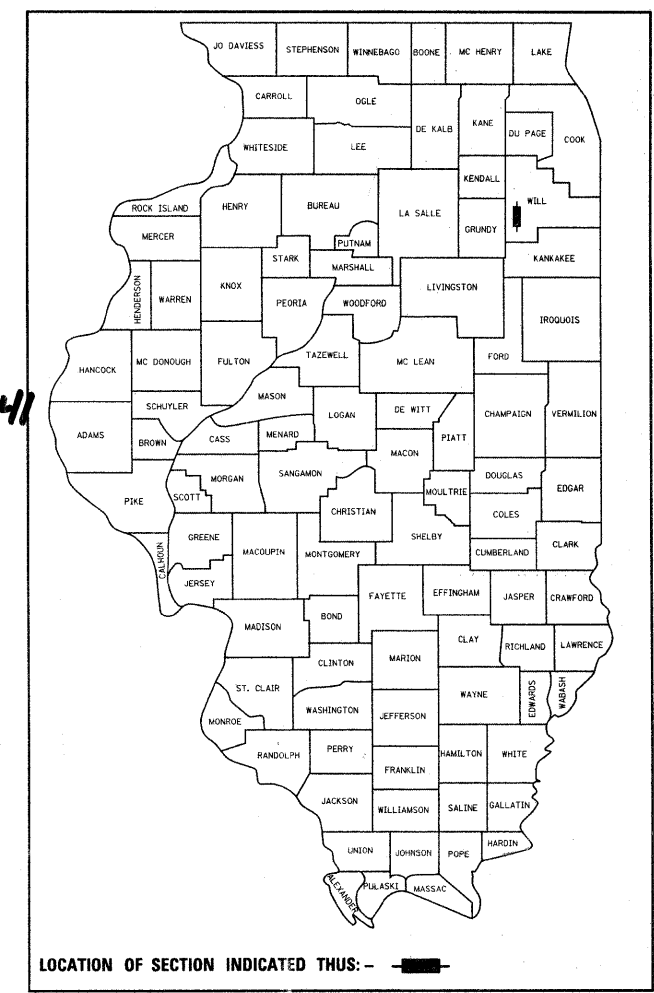


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1&2) RS-12	WILL	110	1
ILLINOIS			CONTRACT NO. 60K04	

* 110 + 1 = 111

D-91-334-10



LOCATION OF SECTION INDICATED THUS: — ■ —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.I. ROUTE 55 (INTERSTATE 55)
KANKAKEE RIVER TO S. OF I-80
SECTION: 99 (1&2) RS-12
RESURFACING AND BRIDGE REHABILITATION
WILL COUNTY
C-91-334-10

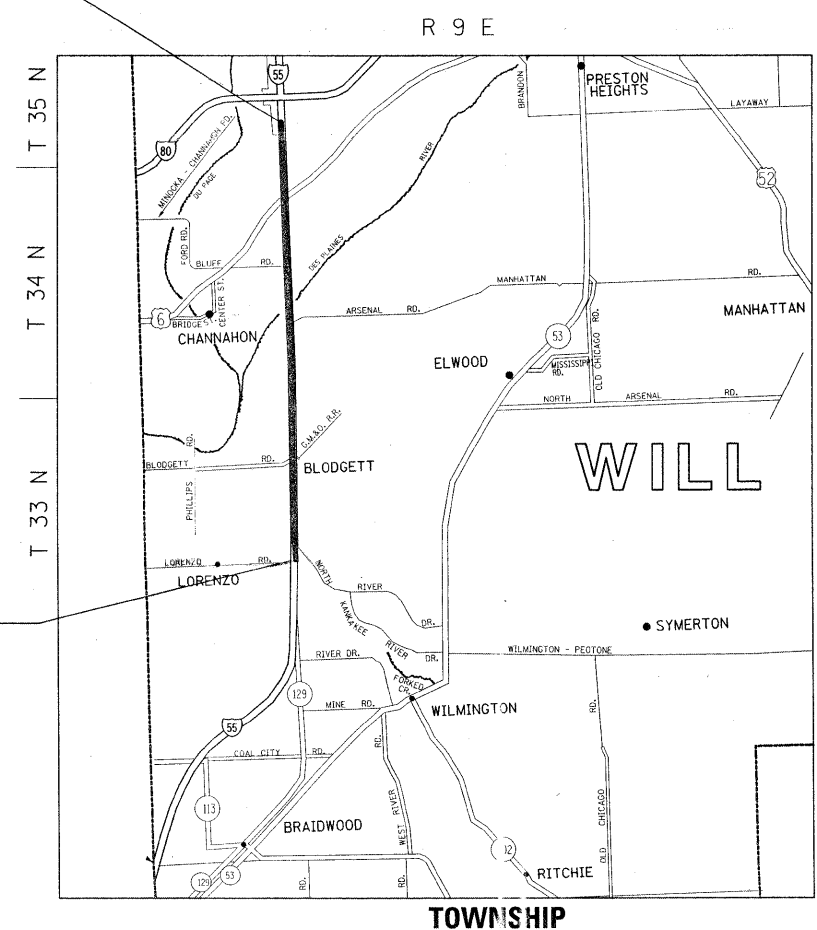
PROJECT:
IM-055-6(242)241

FOR INDEX OF SHEETS, SEE SHEET NO. 2

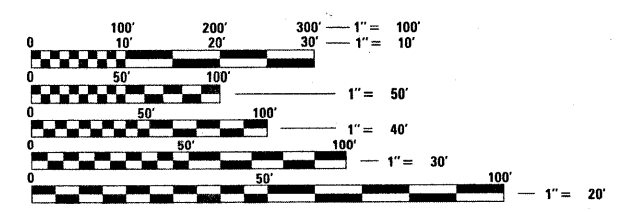
THIS PROJECT IS LOCATED IN THE CITY OF JOLIET
AND VILLAGE OF CHANNAHON

PROJECT ENDS:
STA. 855 + 00

PROJECT BEGINS:
STA. 400 + 00



TRAFFIC DATA:
2006 ADT= 91000
POSTED SPEED
LIMIT= 65 MPH



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 LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER KARI SMITH (847) 705-4437
PROJECT MANAGER KEN ENG

CONTRACT NO. 60K04

GROSS LENGTH OF IMPROVEMENT = 45500 LINEAL FEET = 8.61 MILES
NET LENGTH OF IMPROVEMENT = 36922 LINEAL FEET = 6.99 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED JANUARY 27, 2010

Diane M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
March 19, 2010

Scott E. Stitt, P.E.
Acting ENGINEER OF DESIGN AND ENVIRONMENT
March 19, 2010

Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SHEET NO. DESCRIPTION

STANDARD NO. DESCRIPTION

1	TITLE SHEET	420001-07	PAVEMENT JOINTS
2	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES.	442201-03	CLASS C AND D PATCHES
3-3A	SUMMARY OF QUANTITIES	635001	DELINEATORS
4	EXISTING TYPICAL SECTIONS	642001-01	SHOULDER RUMBLE STRIPS
5	PROPOSED TYPICAL SECTIONS	482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
6	EXIST. AND PROP. TYPICAL SECTIONS FOR RAMPS	701400-04	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
7-9	SEQUENCE OF OPERATIONS	701401-05	LANE CLOSURE, FREEWAY/EXPRESSWAY
10-19	MAINTENANCE OF TRAFFIC	701411-06	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
20-43	ROADWAY AND PAVEMENT MARKING PLANS	701426-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS > 45 MPH
44-63	DETECTOR LOOP PLANS	701446-01	TWO LANE CLOSURE FREEWAY/EXPRESSWAY
64-99	BRIDGE REHABILITATION PLAN	701901-01	TRAFFIC CONTROL DEVICES
100	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)		
101	BUTT JOINT AND HMA TAPER DETAILS (BD-32)		
102	FREEWAY ENTRANCE AND EXIST RAMP CLOSURE DETAILS (TC-08)		
103	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE AND MULTI-LANE WEAVE (TC-09)		
104	TYPICAL APPLICATIONS: RAISED REFLECTIVE PAVEMENT (TC-11) MARKERS (SNOW-PLOW RESISTANT)		
105-106	MULTI-LANE FREEWAY PAVEMENT MARKING DETAIL (TC-12)		
107	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)		
108	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)		
109	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)		
110	DISTRICT 1 DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)		

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF JOLIET AND THE VILLAGES OF CHANNAHON.

THE CONTRACTOR WILL NOT BE ABLE TO SET UP A YARD OR FIELD OFFICE ON THE STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS UNLESS OTHERWISE SPECIFIED.

THE RESIDENT ENGINEER SHALL CONTACT MS. CORA MATHIS, AREA TRAFFIC FIELD ENGINEER, AT (847) 715-8428 A MINIMUM OF TWO WEEKS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4151. A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING, EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER

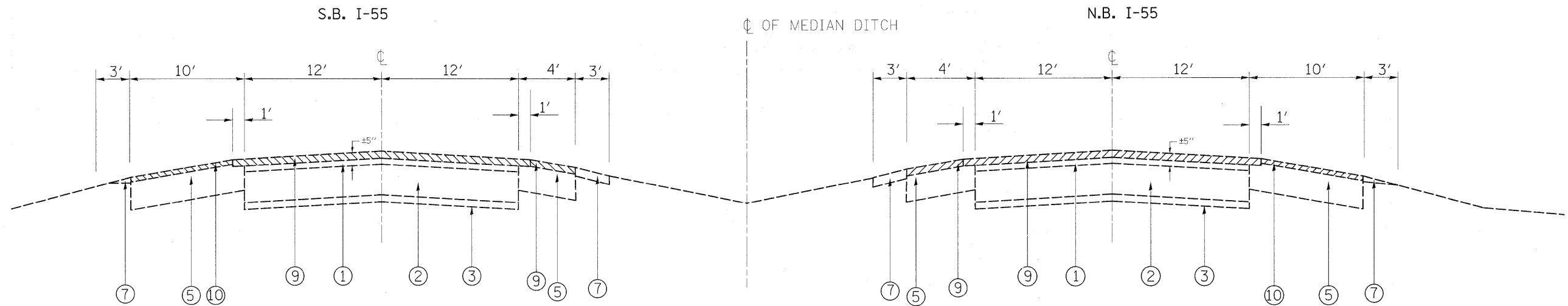
DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS- RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY					CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY				
				I000-2A	SFTY-2A									I000-2A	SFTY-2A		
20201006	GRADING AND SHAPING SHOULDERS	UNIT	1432	1432					48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	11862	11862				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1167		1167				48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	857			857		
25000210	SEEDING, CLASS 2A	ACRE	1		1				50157300	PROTECTIVE SHIELD	SQ YD	1353			1353		
35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	1440		1440				50300260	BRIDGE DECK GROOVING	SQ YD	949			949		
35200600	EARTH EXCAVATION	CU YD	1101		1101				52000500	NEOPRENE EXPANSION JOINT (DAM)	FOOT	84			84		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	99		99				58700300	CONCRETE SEALER	SQ FT	81811			81811		
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	31		31				59000200	EPOXY CRACK INJECTION	FOOT	609			609		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	286.2	286	0.2			* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	912.5			912.5			
40600300	AGGREGATE (PRIME COAT)	TON	1437	1428	9			* 63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	2			2			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	536	536				* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2			2			
40600826	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1243	1243				63200310	GUARDRAIL REMOVAL	FOOT	1030			1030			
40600895	CONSTRUCTING TEST STRIP	EACH	2	2				64200105	SHOULDER RUMBLE STRIP	FOOT	144,688	143256		1432			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1448	1448				67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6			6			
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	267		267			67100100	MOBILIZATION	L SUM	1			1			
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	225	225				70106800	CHANGEABLE MESSAGE SIGN	CAL MO	16			16			
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	11181	11181				70300240	TEMPORARY PAVEMENT MARKING LINE 6"	FOOT	3204			3204			
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	19		19			70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	57,736	52,828		4,908			
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	9241	9241				70400100	TEMPORARY CONCRETE BARRIER	FOOT	2,325			2,325			
40603365	HOT MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	54.5		54.5			70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	775			775			
42001105	BRIDGE APPROACH PAVEMENT	SQ YD	134		134			* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	148,084	146,652		1,432			
42001300	PROTECTIVE COAT	SQ YD	1193		1193			* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	963			963			
44000153	HOT MIX ASPHALT SURFACE REMOVAL, 1"	SQ YD	980.5		980.5			* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	5640			5640			
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	159		159			* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	3856			3856			
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	30146	30146				* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	72			72			
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	326911	326911				* 78004220	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	FOOT	17861			17861			
44000700	APPROACH SLAB REMOVAL	SQ YD	134		134			* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	4,392			4,392			
44002220	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 5"	SQ YD	802	802				* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1972			1972			
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	486	486				* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	152			152			
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	106	106													
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	71.4	71.4													

* Specialty Items

SUMMARY OF QUANTITIES			URBAN 90% FED. 10% STATE CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES			URBAN 90% FED. 10% STATE CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY					CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY				
				1000-2A	SFTY-2A								1000-2A	SFTY-2A			
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	768		768				Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2		2			
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2		2				Z0030330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	2		2			
78300100	PAVEMENT MARKING REMOVAL	SQ FT	3487	1148	2339				Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1		1			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1578	1578					Ⓢ Z0076600	TRAINEES	HOUR	1,000	1,000				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	492	492					70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	2,543		2,543			
X0301424	SILICONE JOINT SEALER	FOOT	92		92				* 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	599	460	139			
X0320887	POLYMER CONCRETE	CU FT	2.2	2.2					* 78005120	EPOXY PAVEMENT MARKING - LINE 5"	FOOT	337		337			
X0322185	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	901		901				X44-21000	PARTIAL DEPTH PATCHING	TON	55.4		55.4			
X0322729	MATERIAL TRANSFER DEVICE	TON	55336	55336					XZ186500	ASPHALTIC EMULSION SLURRY SEAL	SQ YD	6,648		6,648			
X0324685	TEST STRIP (STONE MATRIX ASPHALT)	EACH	2	2					* 81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	2,755	2,755				
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	19		19				* 81400200	HEAVY DUTY HANDHOLE	EACH	41	41				
X0325702	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1					* X8850102	INDUCTION LOOP	FOOT	2,150	2,150				
X0325747	BRIDGE DECK CONCRETE CRACK SEALER	FOOT	82		82				* 87800200	CONCRETE FOUNDATION, TYPE D	FOOT	4	4				
X0325775	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH	FOOT	303,421	289,851	14,070				* X0326900	CONCRETE FOUNDATION, SURVEILLANCE CABINET MODEL 334	FOOT	12	12				
X0325841	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 24 INCH	FOOT	144	144					* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	700	700				
X0325876	WET REFLECTIVE TEMPORARY TAPE TYPE III, 8 INCH	FOOT	11280	11280					* 81016600	CONDUIT IN TRENCH, 2" DIAMETER, HIGH DENSITY POLYETHYLENE, COILABLE	FOOT	700	700				
X0326107	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5 INCH	FOOT	37,152	36,522	630				25000400	NITROGEN FERTILIZER NUTRIENT	POUND	90		90			
X0326766	CLEAN & RESEAL RELIEF JOINT	FOOT	372.7		372.7				25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	90		90			
40603153	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	TON	27699	27668	31				25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	90		90			
40603148	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	TON	27668	27668					25000700	AGRICULTURAL GROUND LIMESTONE	TON	2		2			
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1					25100630	EROSION CONTROL BLANKET	SQ YD	2,917		2,917			
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	60	15	45				63500105	DELINEATORS	EACH	250	250				
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	1.9		1.9				X0326796	CLEAN TROUGH	EACH	1		1			
Z0006204	BRIDGE DECK HYDRO-SCARIFICATION 1/2"	SQ YD	901		901				50300255	CONCRETE SUPERSTRUCTURE	CU YD	60		60			
Z0016000	DECK SLAB REPAIR (FULL DEPTH)	SQ YD	5		5				50300225	CONCRETE STRUCTURES	CU YD	13.7		13.7			
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	1		1				50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	15,500		15,500			
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	8		8												

© Y080
*Specialty Items



IL-55
EXISTING TYPICAL CROSS SECTION
STA. 421+78 TO STA. 827+22

LEGEND

- ① EXISTING HOT-MIX ASPHALT SURF. CSE., ± 5"
- ② EXISTING P.C.C. PAVEMENT, 10"
- ②A EXISTING HOT-MIX ASPHALT SURFACE AFTER MILLING, ± 2 3/4"
- ③ EXISTING SUB-BASE GRAN. MATL., 4"
- ④ EXISTING AGGREGATE SUBGRADE, 12"
- ⑤ EXISTING HOT-MIX ASPHALT SHOULDER
- ⑥ EXISTING CONC. BINDER CSE. MIX B, TYPE 1
- ⑦ EXISTING AGGREGATE SHOULDER TYPE "B"
- ⑧ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" (RAMPS)
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 4" (MAINLINE & INSIDE SHOULDER)
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 4" (OUTSIDE SHOULDER)
- ⑪ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
- ⑫ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
- ⑬ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 2 1/2 "
- ⑭ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX. "D", N70, 1 1/2"
- ⑮ PROPOSED SHOULDER RUMBLE STRIP
- ⑯ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE "B"
- ⑰ PROPOSED GRADING AND SHAPING SHOULDER
- ⑱ PROPOSED POLYMERIZED LEVELING BINDER, IL-4.75, N50, 3/4"

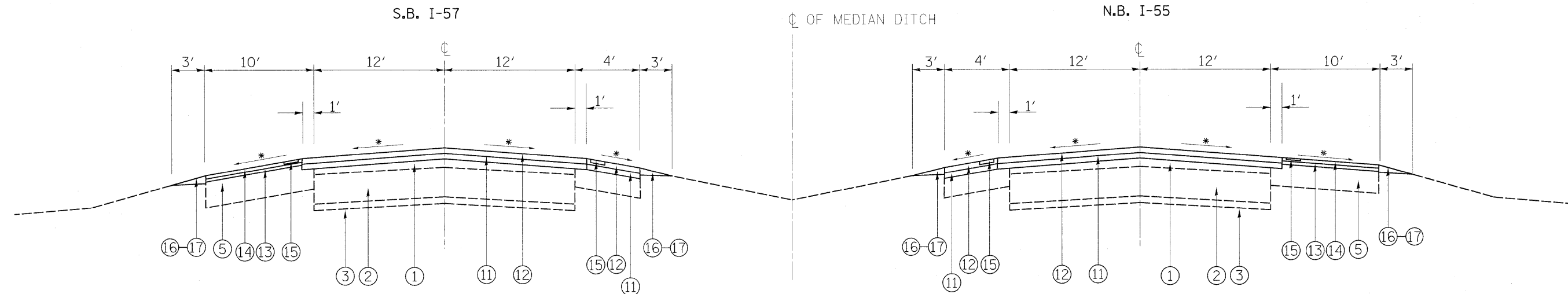
NOTE:

- CONTRACTOR SHALL PATCH BEFORE MILLING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS(%)
MAINLINE & INSIDE SHOULDER RESURFACING	
POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, N80	3.5% @ 80 GYR.
POLYMERIZED HMA BINDER COURSE, STONE MATRIX ASPHALT, N80	3.5% @ 80 GYR.
RAMPS RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	4% @ 70 GYR.
POLY. LEVELING BINDER, (MACHINE METHOD), IL-4.75, N50	4% @ 50 GYR.
OUTSIDE SHOULDER RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, N70 (IL-19.0 mm)	4% @ 70 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-25 mm)	4% @ 105 GYR.
PARTIAL DEPTH PATCHES (MIX "F", N 90) (IL-9.5 mm)	4% @ 90 GYR.
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.
BRIDGE REHABILITATION	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 mm)	4% @ 50 GYR.
PARTIAL DEPTH PATCHES (MIX "F", N90) (IL-9.5 mm)	4% @ 90 GYR.

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE AND STONE MATRIX ASPHALT QUANTATIES IS 112 LBS/SQ YD/IN.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.



IL-55
 PROPOSED TYPICAL CROSS SECTION
 STA. 421+78 TO STA. 827+22

*MATCH EXISTING SLOPES

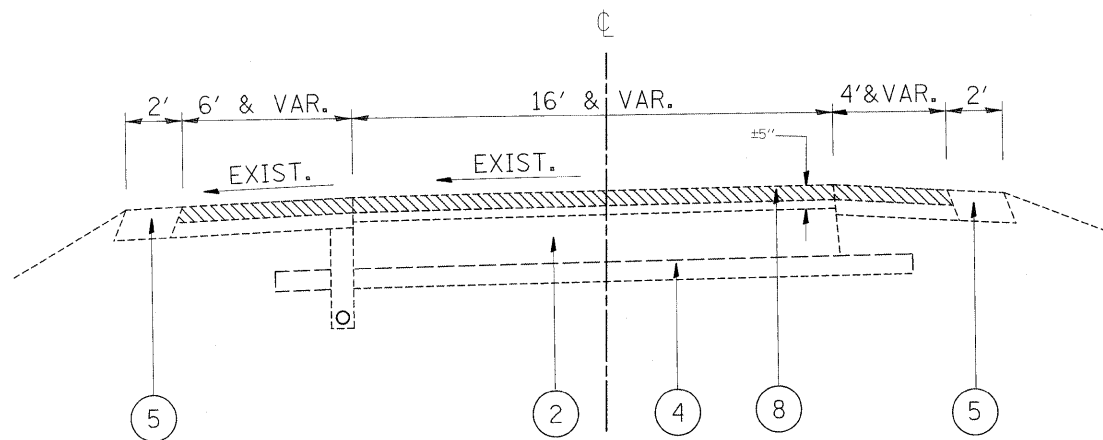
LEGEND

- ① EXISTING HOT-MIX ASPHALT SURF. CSE., ± 5"
- ② EXISTING P.C.C. PAVEMENT, 10"
- ③ EXISTING SUB-BASE GRAN. MATL., 4"
- ④ EXISTING AGGREGATE SUBGRADE, 12"
- ⑤ EXISTING HOT-MIX ASPHALT SHOULDER
- ⑥ EXISTING CONC. BINDER CSE. MIX B, TYPE 1
- ⑦ EXISTING AGGREGATE SHOULDER TYPE "B"
- ⑧ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" (RAMPS)
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 4" (MAINLINE & INSIDE SHOULDER)
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 4" (OUTSIDE SHOULDER)
- ⑪ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
- ⑫ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
- ⑬ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 2 1/2 "
- ⑭ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX. "D", N70, 1 1/2"
- ⑮ PROPOSED SHOULDER RUMBLE STRIP
- ⑯ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE "B"
- ⑰ PROPOSED GRADING AND SHAPING SHOULDER
- ⑱ PROPOSED POLYMERIZED LEVELING BINDER, IL-4.75, N50, 3/4"

NOTE:

- CONTRACTOR SHALL PATCH BEFORE MILLING

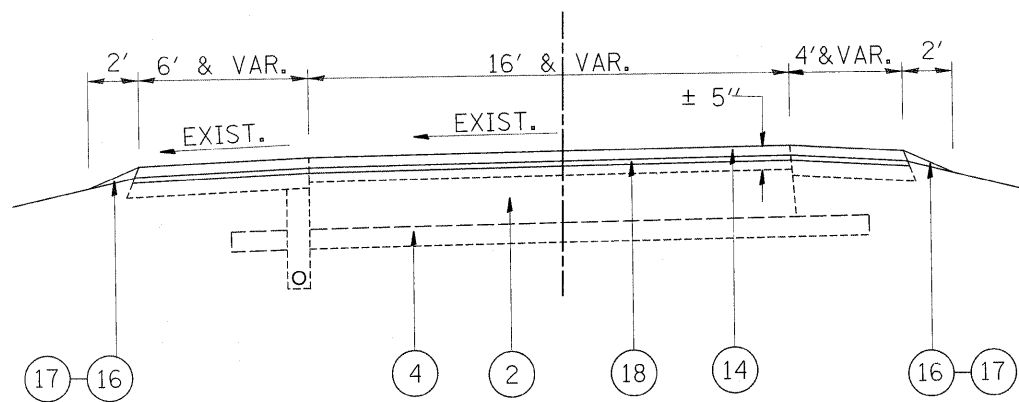
FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 TYPICAL SECTION FOR MAINLINE	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cd\pw_work\PWIDOT\ABEBAWA\0169692\sh-t-bian.dgn	DRAWN -	REVISED -	55			99 (1&2) RS-12	WILL	110	5	
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PLOT DATE = 2/11/2010	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
				SCALE: SHEET NO. OF SHEETS STA. TO STA.						



EXISTING TYPICAL SECTION FOR RAMPS

LEGEND

- ① EXISTING HOT-MIX ASPHALT SURF. CSE., ± 5"
- ② EXISTING P.C.C. PAVEMENT, 10"
- ③ EXISTING SUB-BASE GRAN. MATL., 4"
- ④ EXISTING AGGREGATE SUBGRADE, 12"
- ⑤ EXISTING HOT-MIX ASPHALT SHOULDER
- ⑥ EXISTING CONC. BINDER CSE. MIX B, TYPE 1
- ⑦ EXISTING AGGREGATE SHOULDER TYPE "B"
- ⑧ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" (RAMPS)
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 4" (MAINLINE & INSIDE SHOULDER)
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 4" (OUTSIDE SHOULDER)
- ⑪ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
- ⑫ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
- ⑬ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 2 1/2 "
- ⑭ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX. "D", N70, 1 1/2"
- ⑮ PROPOSED SHOULDER RUMBLE STRIP
- ⑯ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE "B"
- ⑰ PROPOSED GRADING AND SHAPING SHOULDER
- ⑱ PROPOSED POLYMERIZED LEVELING BINDER, IL-4.75, N50, 3/4"



PROPOSED TYPICAL SECTION FOR RAMPS

NOTE:

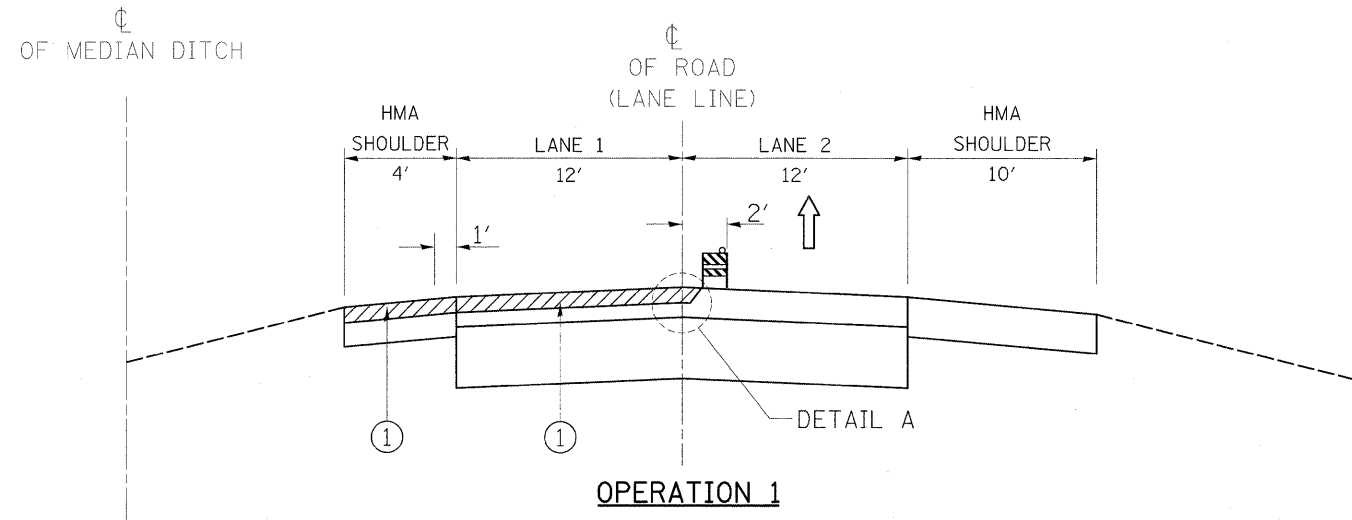
1. CONTRACTOR SHALL PATCH BEFORE MILLING
2. THE SMA LIMIT ON THE RAMPS SHALL BE AT GORE LINE

FILE NAME =	USER NAME = obebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 TYPICAL SECTION FOR RAMPS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cd:\pw_work\PWIDOT\ABEBAWA\0169692\shd-11en.dgn	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -				55	99 (1&2) RS-12	WILL	110	6
PLOT DATE = 2/11/2010	DATE -	CHECKED -	REVISED -		CONTRACT NO. 60K04			ILLINOIS FED. AID PROJECT			
					SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.			

PRE-OPERATION 1

PATCHING WORK TO BE DONE BEFORE MILLING

IL.-55 (SOUTH BOUND) & (NORTH BOUND)



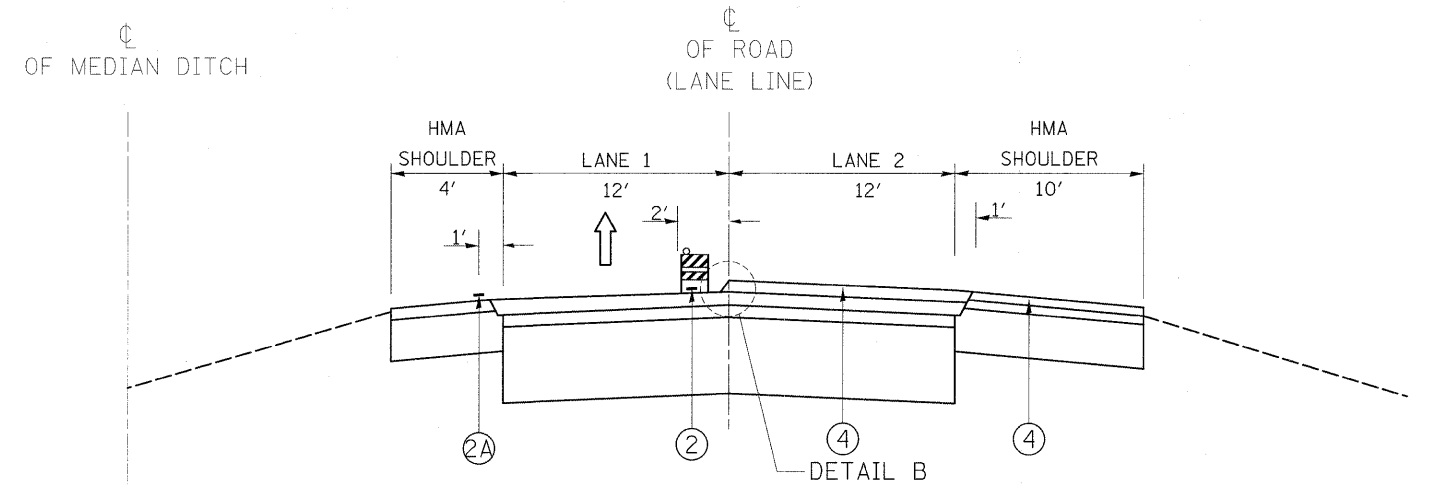
OPERATION 1

- * ① MILL 4" LANE 1 & INNER SHOULDER AND PLACE POLY. SMA BINDER COURSE 2"
- ② WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5" LANE LINE (SKIP-DASH)
- ②A WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4" (EDGE LINE)

NOTE:

- * 1. GRADE DIFFERENTIAL BETWEEN LANES SHALL NOT EXCEED 2"
- 2. BARRICADES/DRUMS TO BE PLACED ON THE SHOULDER WITHIN 2' OF THE EDGE OF THE PAVEMENT DURING NON-WORKING HOURS

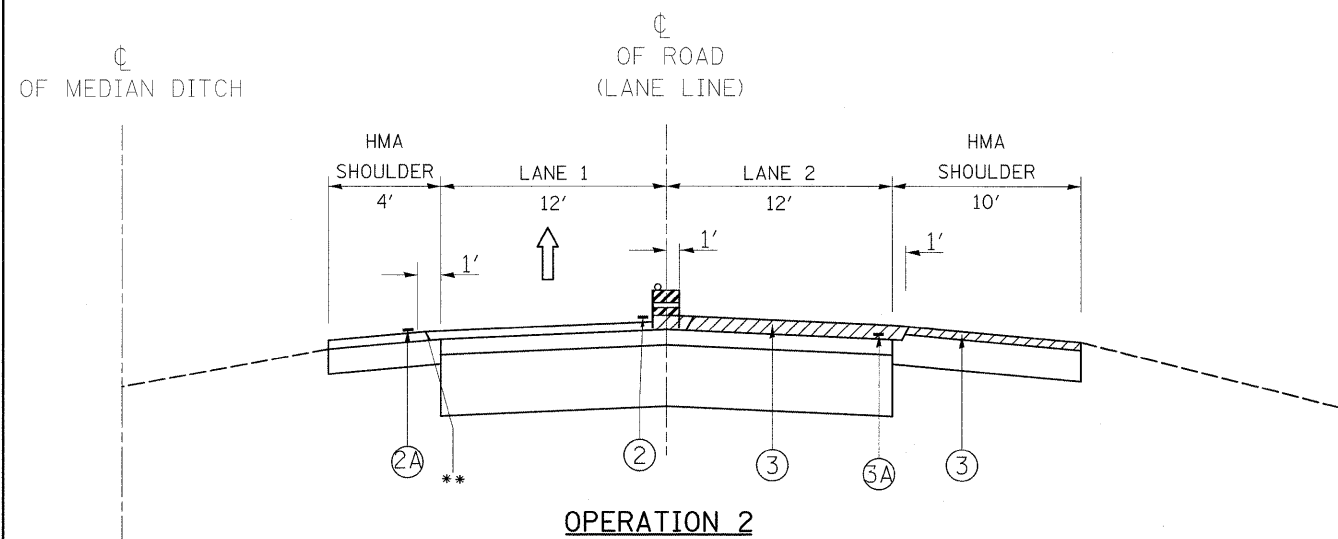
IL.-55 (SOUTH BOUND) & (NORTH BOUND)



OPERATION 3

- ④ PLACE POLY. SMA SURFACE COURSE 2" ON LANE 2 AND HMA SURFACE COURSE, MIX "D" 1 1/2" ON OUTER SHOULDER

IL.-55 (SOUTH BOUND) & (NORTH BOUND)



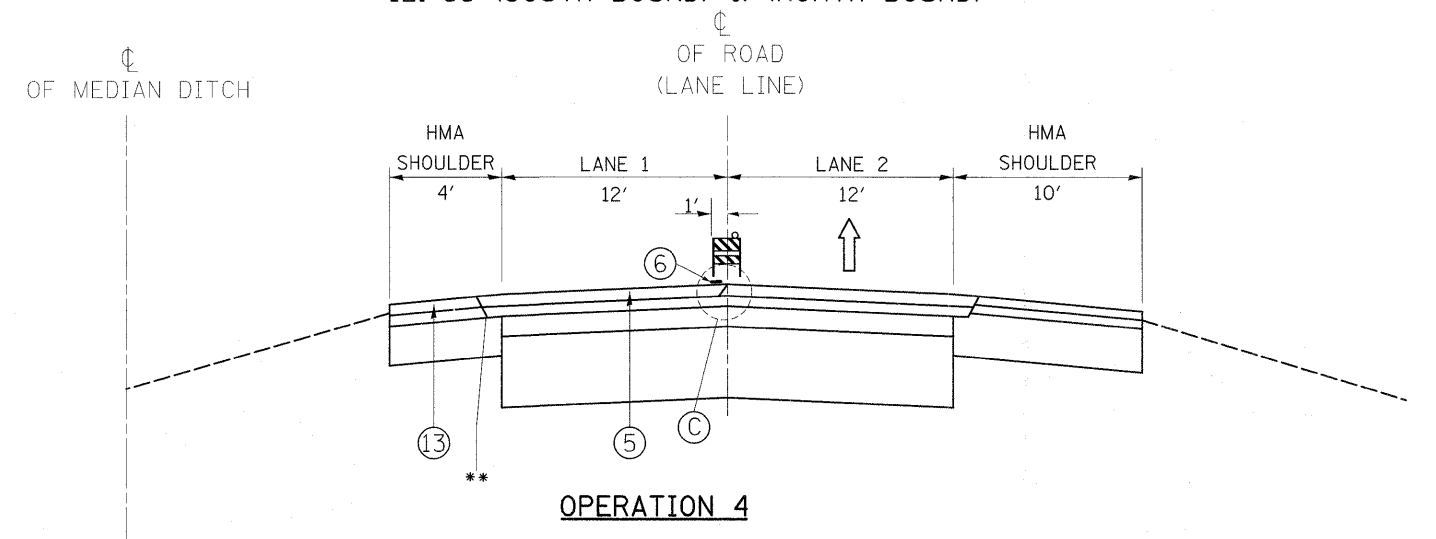
OPERATION 2

- * ③ MILL 4" LANE 2 & MILL 3 3/4" OUTER SHOULDER AND PLACE POLY. SMA BINDER COURSE 2" ON LANE 2 AND HMA BINDER COURSE, N70, 2 1/4" ON OUTER SHOULDER

NOTE:

- * 1. GRADE DIFFERENTIAL BETWEEN LANES SHALL NOT EXCEED 2"
- 2. BARRICADES/DRUMS TO BE PLACED ON THE SHOULDER WITHIN 2' OF THE EDGE OF THE PAVEMENT DURING NON-WORKING HOURS

IL.-55 (SOUTH BOUND) & (NORTH BOUND)

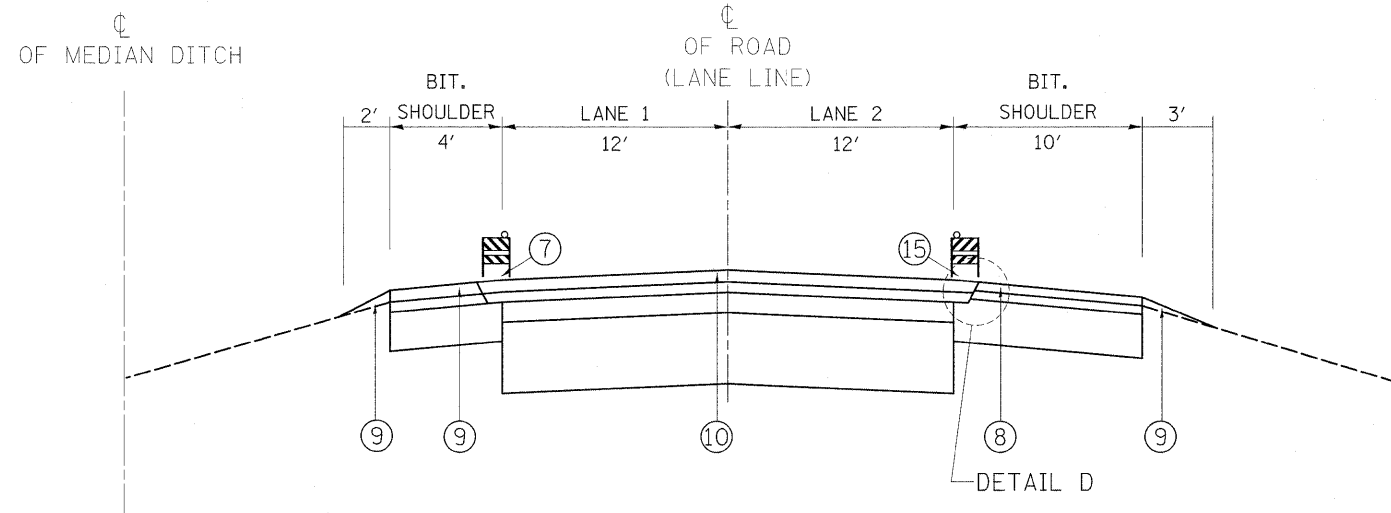


OPERATION 4

- ⑤ PLACE POLY. SMA SURFACE COURSE 2" ON LANE 1 AND INSIDE SHOULDER
- ⑥ FINAL PAVEMENT MARKING WITH PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 5"

** OPTIONAL JOINT

FILE NAME =	USER NAME = ebeba	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 SUGGESTED SEQUENCE OF OPERATIONS		F.A.I. RTE. 55	SECTION 99 (1&2) RS-12	COUNTY WILL	TOTAL SHEETS 110	SHEET NO. 7	
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		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



OPERATION 5

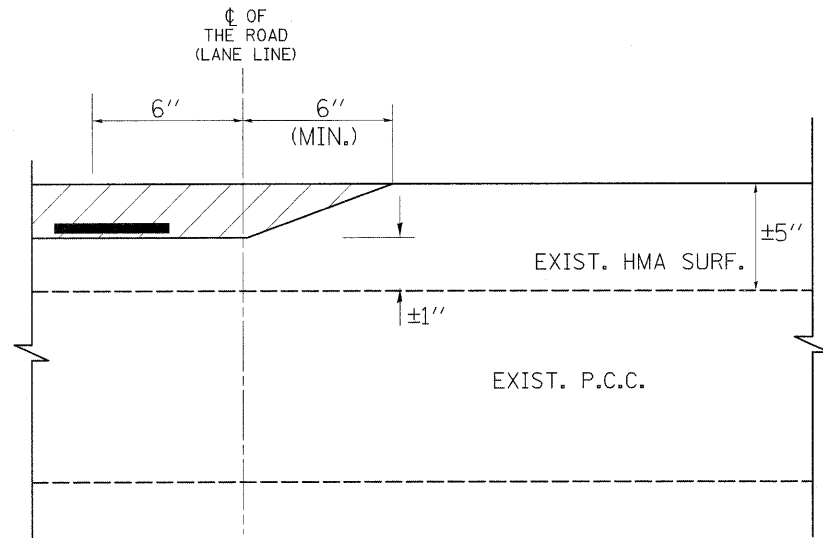
- ⑦ FINAL PAVEMENT MARKING WITH THERMOPLASTIC PAVEMENT MARKING, LINE 4"
- ⑧ INSTALL RUMBLE STRIPS ON INNER AND OUTER SHOULDER AS PER DETAIL ON PLAN.
- ⑨ PLACE AGGREGATE WEDGE SHOULDER, TYPE B.
- ⑩ PLACE RAISED REFLECTIVE PAVEMENT MARKERS AT LANE LINE AND RAMPS.

NOTE:

- * 1. GRADE DIFFERENTIAL BETWEEN LANES SHALL NOT EXCEED 2"
- 2. BARRICADES/DRUMS TO BE PLACED ON THE SHOULDER WITHIN 2' OF THE EDGE OF THE PAVEMENT DURING NON-WORKING HOURS

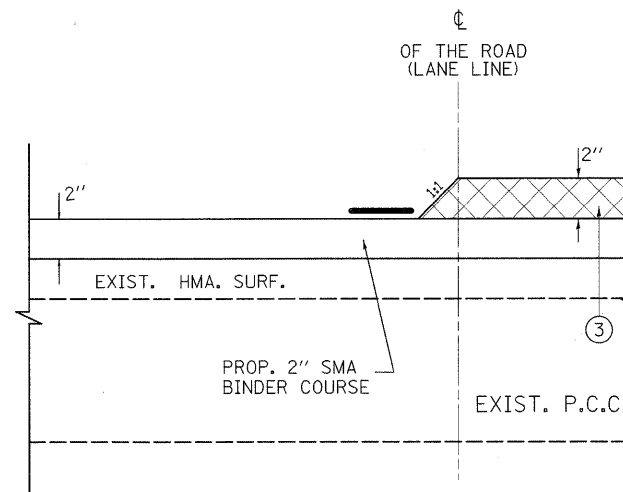
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PLOT DATE = 2/11/2010	DATE -	REVISED -	SCALE:			SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

MILLING DETAIL



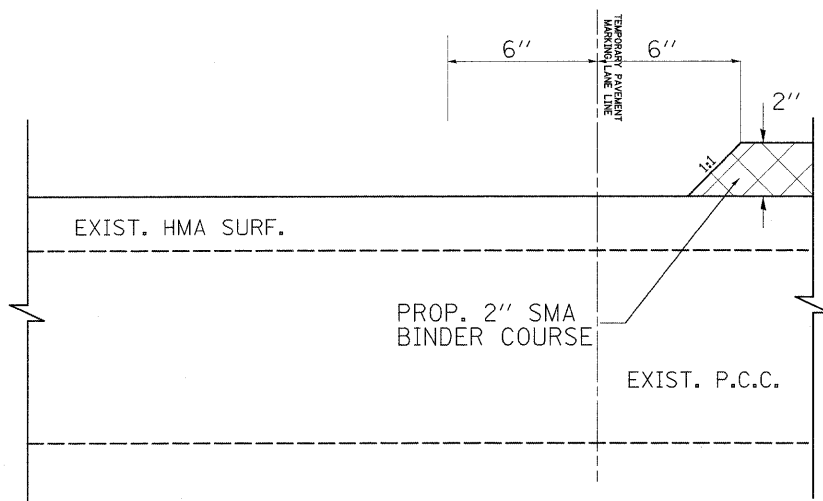
DETAIL 'A' (TYPICAL)

PAVING DETAILS

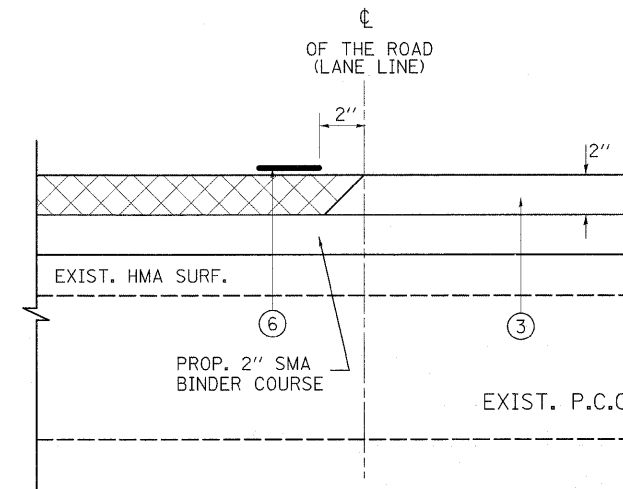


DETAIL 'B' (TYPICAL)

PAVING DETAILS



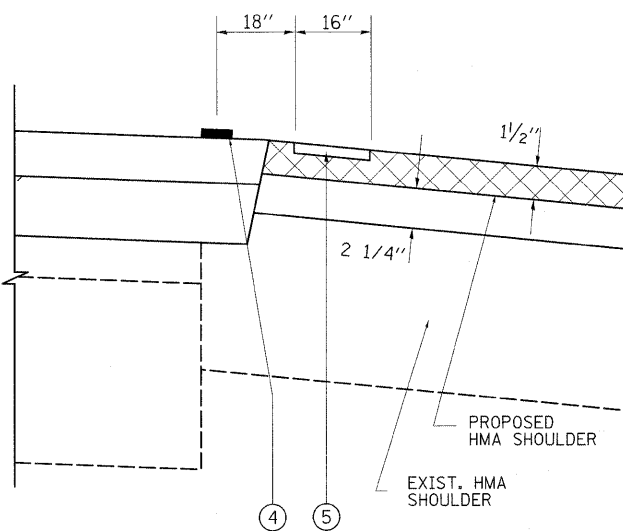
DETAIL 'A' (TYPICAL)



DETAIL 'C' (TYPICAL)

LEGEND FOR DETAILS A, B, C & D

- ① PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ② PROPOSED EPOXY PAVEMENT MARKING, LINE 5"
- ③ PROPOSED SMA SURFACE COURSE, 2"
- ④ PROPOSED THERMOPLASTIC PAVEMENT MARKING, LINE 4"
- ⑤ PROPOSED RUMBLE STRIP ON SHOULDER
- ⑥ PERFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5"

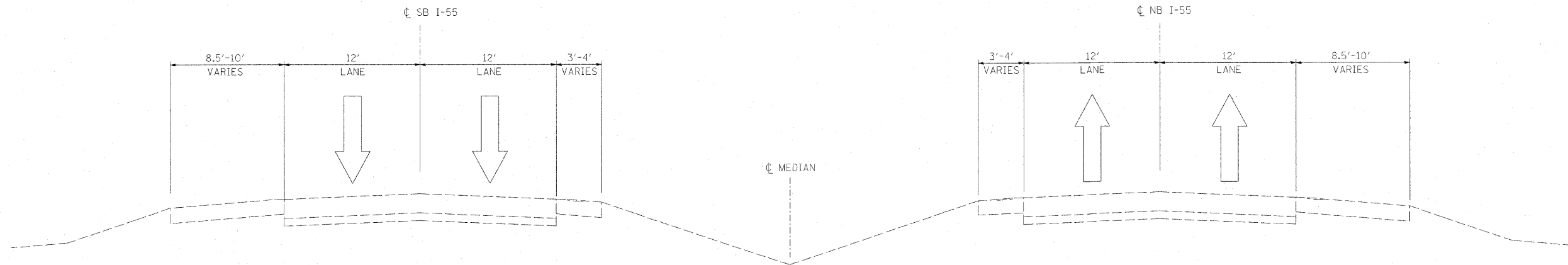


DETAIL 'D' (TYPICAL)

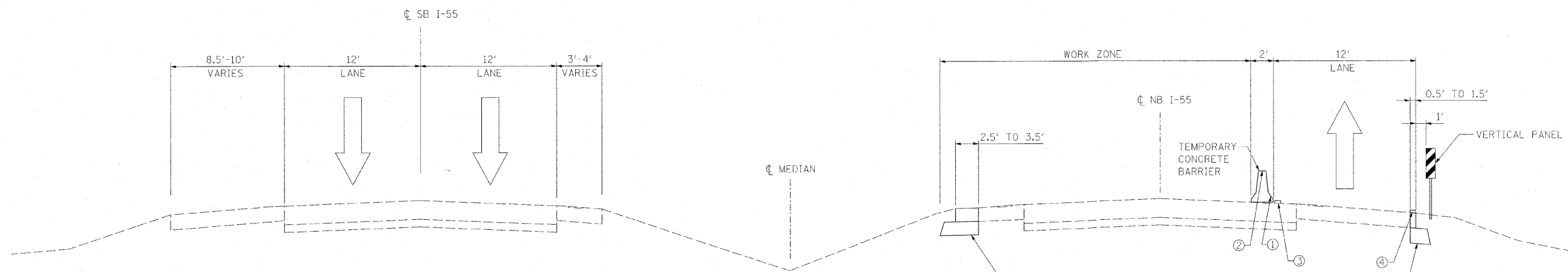
GENERAL NOTES - TRAFFIC CONTROL

1. THE CONTRACTOR SHALL PLACE AND MAINTAIN DRUMS WITH MONO-DIRECTIONAL STEADY BURNING LIGHTS AT 100-FOOT c-c ON THE SHOULDER ADJACENT TO MILLED AREAS. DRUMS WILL REMAIN IN PLACE UNTIL THE PROPOSED SURFACE HAS BEEN PLACED AND EDGE LINES HAVE BEEN INSTALLED.
2. AT THE END OF EACH NIGHTLY SHIFT, THE CONTRACTOR SHALL SWEEP THE PAVEMENT SURFACE CLEAN, PLACE TEMPORARY PAVEMENT MARKING AND REMOVE TRAFFIC CONTROL FOR LANE CLOSURE.
3. THE MILLING REQUIRED TO PLACE A TAPER BETWEEN LANES (SEE DETAILS A, B AND C) WILL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL 4".
4. GRADE DIFFERENTIAL BETWEEN PAVED LANES SHALL NOT EXCEED 2".

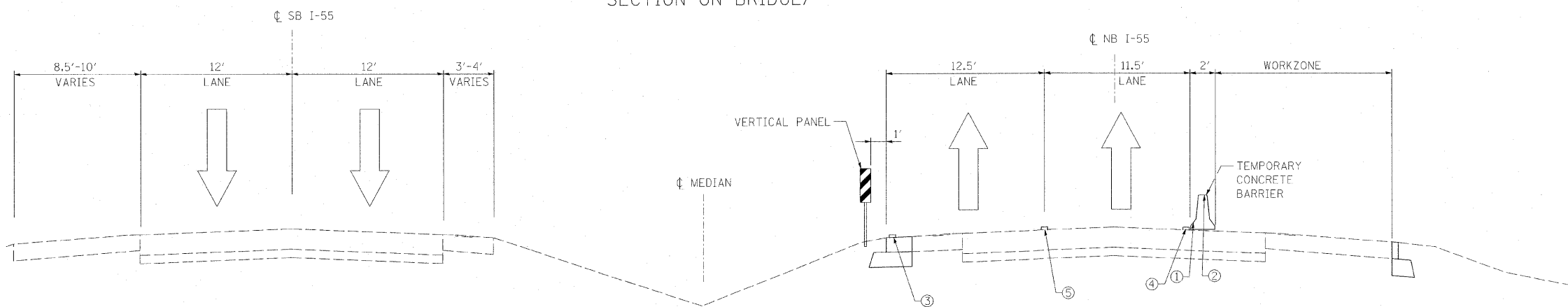
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cd\pw\work\PWIDOT\ABEBAWA\0169692\shd-plan.dgn	DRAWN -	REVISED -	55			99 (1&2) RS-12	WILL	110	9	
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PLOT DATE = 2/11/2010	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
				SCALE: SHEET NO. 1 OF 1 SHEETS		STA. TO STA.				



I-55 EXISTING TYPICAL SECTION
STA. 807+35 TO STA. 861+34



STAGE 1 TYPICAL SECTION
STA. 807+35 TO STA. 861+34
(SEE SHEET 2 FOR MOT SECTION ON BRIDGE)



STAGE 2 TYPICAL SECTION
STA. 821+35 TO STA 832+12
STA. 843+25 TO STA. 855+34
(SEE SHEET 2 FOR MOT SECTION ON BRIDGE)

LEGEND

- ① TEMPORARY PAVEMENT MARKING - LINE, 6" (TO BE PLACED ON LOWER FACE OF WALL WHERE WALL IS ≤ 1' FROM EDGE OF PAVEMENT.)
- ② BARRIER WALL MARKERS, TYPE C
- ③ WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4" (YELLOW)
- ④ WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4" (WHITE)
- ⑤ WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5" (SKIP DASH)

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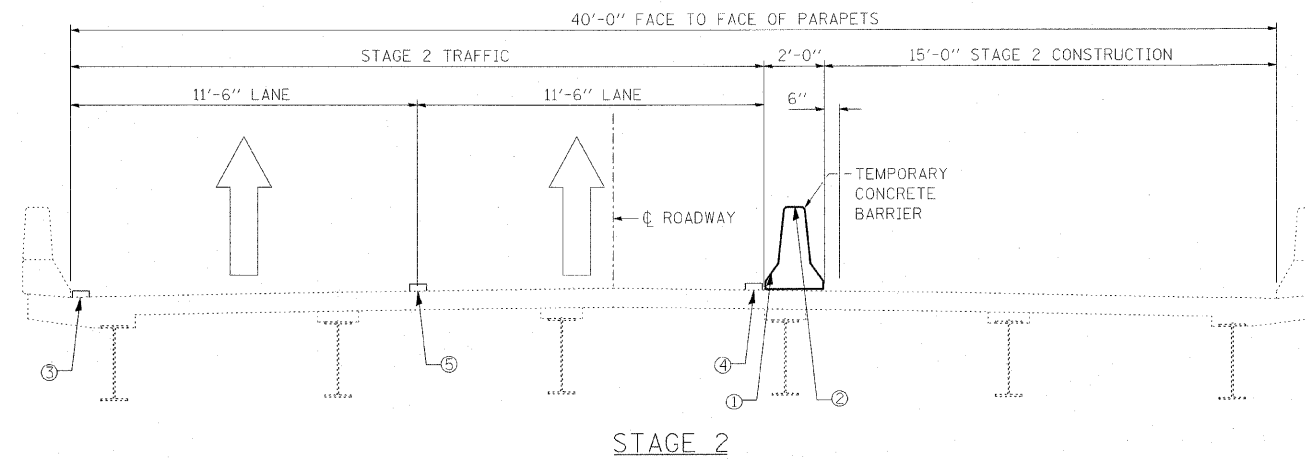
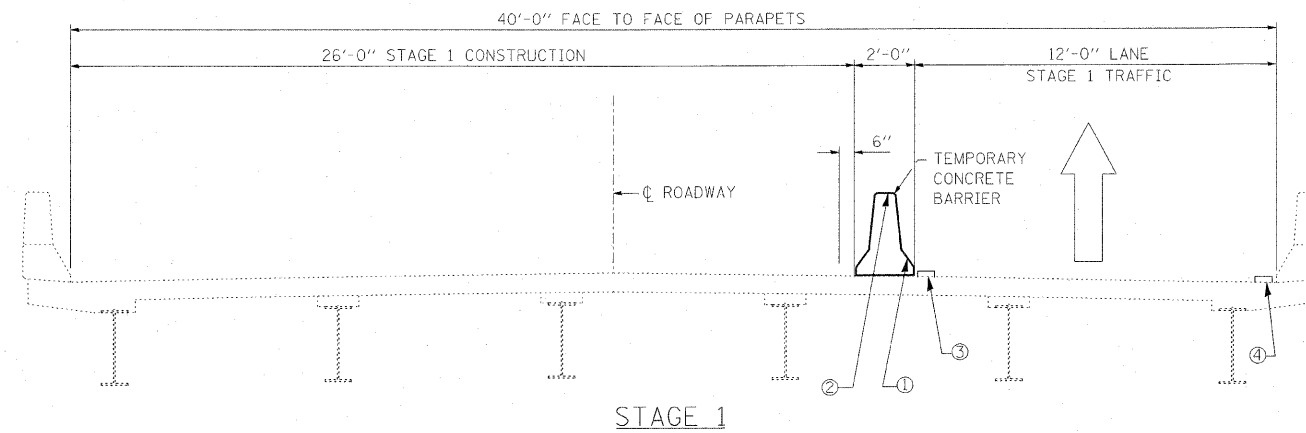
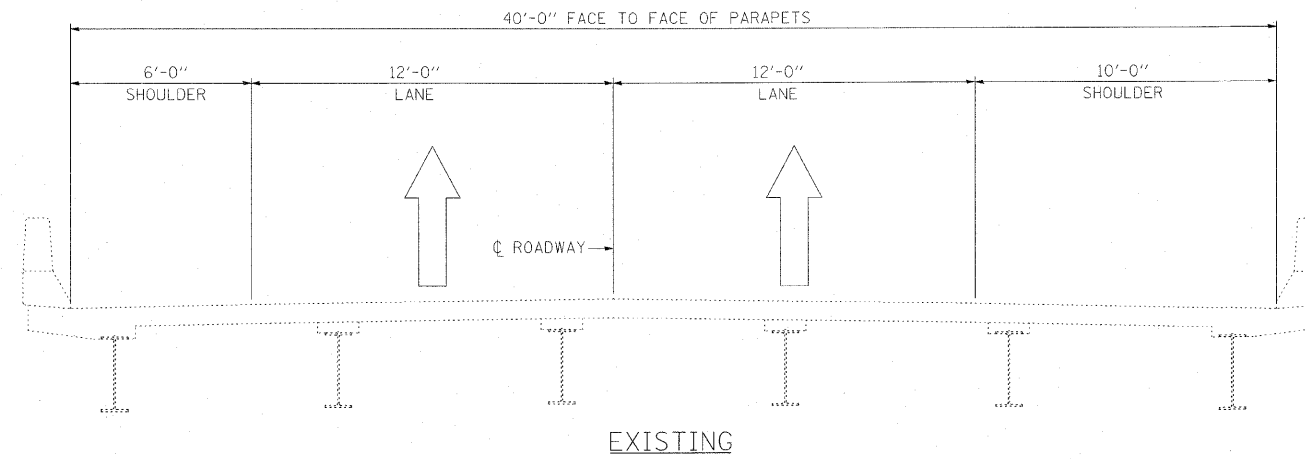
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PLOT SCALE = #SCALE#	DATE - 02/24/2010	REVISED -
PLOT DATE = 3/11/2010		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 55 BRIDGE REPAIR MOT STAGING SECTIONS
STRUCTURE NO. 099-0289 & 099-0313**

SCALE: SHEET NO. ___ OF ___ SHEETS STA. TO STA.

F.A.I. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1 & 2) RS12	WILL	110	10
CONTRACT NO. 60K04			ILLINOIS FED. AID PROJECT	



LEGEND

- ① TEMPORARY PAVEMENT MARKING - LINE, 6" (TO BE PLACED ON LOWER FACE OF WALL WHERE WALL IS ≤ 1' FROM EDGE OF PAVEMENT.)
- ② BARRIER WALL MARKERS, TYPE C
- ③ WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4" (YELLOW)
- ④ WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4" (WHITE)
- ⑤ WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5" (SKIP DASH)

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PLOT SCALE = #SCALE#	DATE - 02/24/2010	REVISED -
PLOT DATE = 3/11/2010		







**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 55 CONSTRUCTION STAGING
OVER STRUCTURE NO. 099-0289 & 099-0313**

SCALE: SHEET NO. ___ OF ___ SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1 & 2) RS12	WILL	110	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60K04	

LEGEND

-  WORK AREA
-  IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
-  TEMPORARY CONCRETE BARRIER
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT OR VERTICAL PANEL W/O MONODIRECTIONAL LIGHT
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  ARROW BOARD

LEGEND

- ① WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4" (WHITE)
- ② WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4" (YELLOW)
- ③ WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5" (WHITE) 10' DASH-30' SKIP



I-55

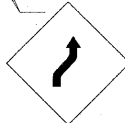
PRESTAGE 1

1. WIDEN EXISTING OUTSIDE SHOULDER APPROXIMATELY 0.5' TO 1.5' AS NEEDED SO OVERALL SHOULDER WIDTH IS 10 FEET. (STA. 817+35 TO STA. 861+34)
2. REMOVE RUMBLE STRIP ON OUTSIDE SHOULDER FROM STA. 817+35 TO STA. 827+51. REMOVAL SHALL BE PAID FOR AS HMA SURFACE REMOVAL, 2".
3. INSTALL GUARDRAIL MARKERS ON EXISTING OUTSIDE GUARDRAIL.
4. REFER TO IDOT STANDARDS 701400-03 & 701401-05 TO CLOSE OUTSIDE LANE WITH NIGHT CLOSURE ONLY.

STAGE 1

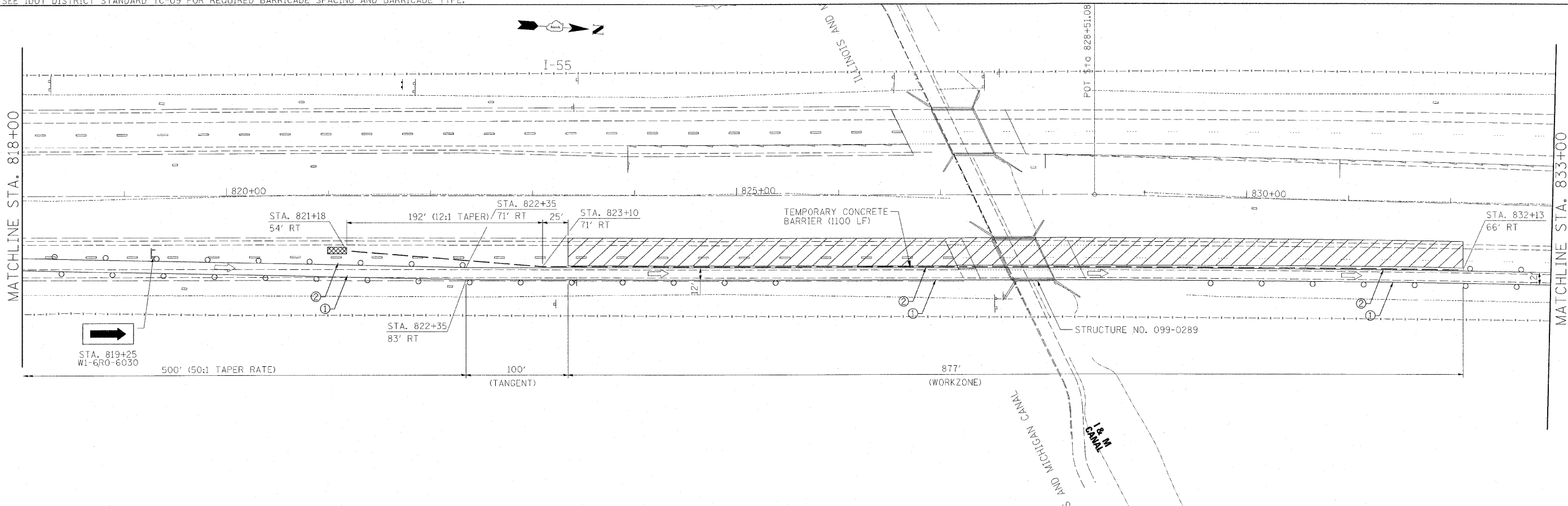
1. MAINTAIN 1-12 FOOT LANE OF TRAFFIC ON OUTSIDE NORTHBOUND SHOULDER OF I-55.
2. EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.
3. EXCAVATE & WIDEN INSIDE SHOULDER AND REPLACE MEDIAN GUARDRAIL.
4. REMOVE RUMBLE STRIP ON INSIDE SHOULDER FROM STA. 823+10 TO STA. 827+51. REMOVAL SHALL BE PAID FOR AS HMA SURFACE REMOVAL, 2".
5. MAKE REQUIRED REPAIRS TO SN: 099-0289 & SN: 099-0313.
6. SEE IDOT DISTRICT STANDARD TC-09 FOR REQUIRED BARRICADE SPACING AND BARRICADE TYPE.

FOLLOW HIGHWAY STANDARDS 701400-03, 701401-05, TC-09 & TC-17



STA. 807+35
W1-4R-48

MATCHLINE STA. 818+00



MATCHLINE STA. 833+00

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PLOT DATE = 3/11/2010	CHECKED - KAC	REVISED -
	DATE - 02/24/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 55 STAGE 1 MAINTENANCE OF TRAFFIC
STRUCTURE NO. 099-0289 & 099-0313**

SCALE: 1" = 50' SHEET NO. ___ OF ___ SHEETS STA. 803+00 TO STA. 833+00

F.A.I. RTE. 55	SECTION 99 (1 & 2) RS12	COUNTY WILL	TOTAL SHEETS 110	SHEET NO. 12
			CONTRACT NO. 60K04	
ILLINOIS FED. AID PROJECT				

LEGEND

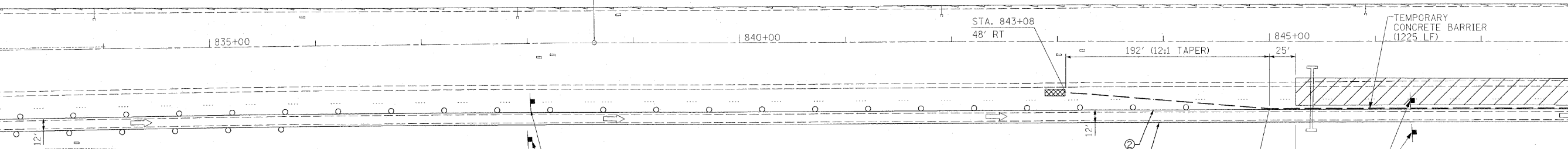
- WORK AREA
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TEMPORARY CONCRETE BARRIER
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT OR VERTICAL PANEL W/O MONODIRECTIONAL LIGHT
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- ARROW BOARD

LEGEND

- ① WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4" (WHITE)
- ② WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4" (YELLOW)
- ③ WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5" (WHITE) 10' DASH-30' SKIP

MATCHLINE STA. 833+00

MATCHLINE STA. 848+00



PRESTAGE 1

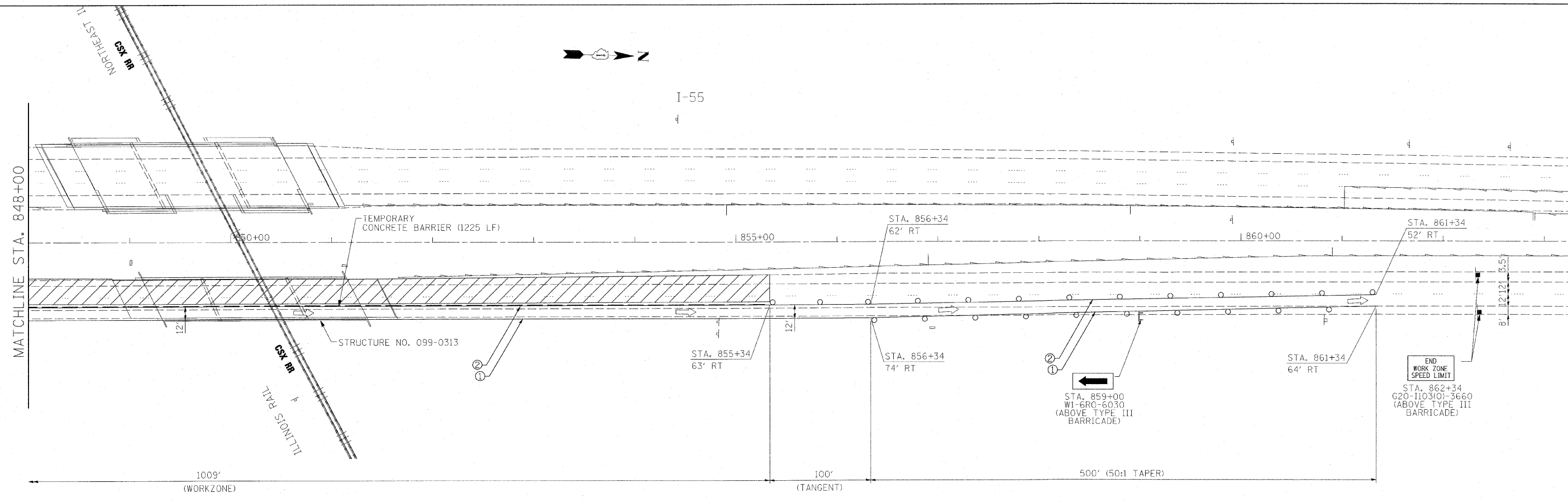
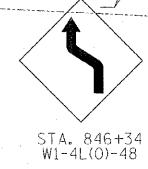
1. WIDEN EXISTING OUTSIDE SHOULDER APPROXIMATELY 0.5' TO 1.5' AS NEEDED SO OVERALL SHOULDER WIDTH IS 10 FEET WIDE. (STA. 817+35 TO STA. 861+34)
2. INSTALL GUARDRAIL MARKERS ON EXISTING OUTSIDE GUARDRAIL.
3. REFER TO IDOT STANDARDS 701400-03 & 701401-05 TO CLOSE OUTSIDE LANE WITH NIGHT CLOSURE ONLY.

STAGE 1

1. MAINTAIN 1-12 FOOT LANE OF TRAFFIC ON OUTSIDE NORTHBOUND SHOULDER OF I-55.
2. EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.
3. EXCAVATE & WIDEN INSIDE SHOULDER AND REPLACE MEDIAN GUARDRAIL.
4. MAKE REQUIRED REPAIRS TO SN: 099-0289 & SN: 099-0313.
5. SEE IDOT DISTRICT STANDARD TC-09 FOR REQUIRED BARRICADE SPACING AND BARRICADE TYPE.

WORK ZONE	W2-I115(0)-3618
SPEED LIMIT	R2-1-3648
45	
XXX FINE MINIMUM	R2-I106-3618

STA. 838+00



MATCHLINE STA. 848+00



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DRAWN - TMF	CHECKED - KAC	DATE - 02/24/2010
PLOT SCALE = #SCALE#		
PLOT DATE = 3/11/2010		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 55 STAGE 1 MAINTENANCE OF TRAFFIC
STRUCTURE NO. 099-0289 & 099-0313**

SCALE: 1" = 50' SHEET NO. ___ OF ___ SHEETS STA. 833+00 TO STA. 863+00

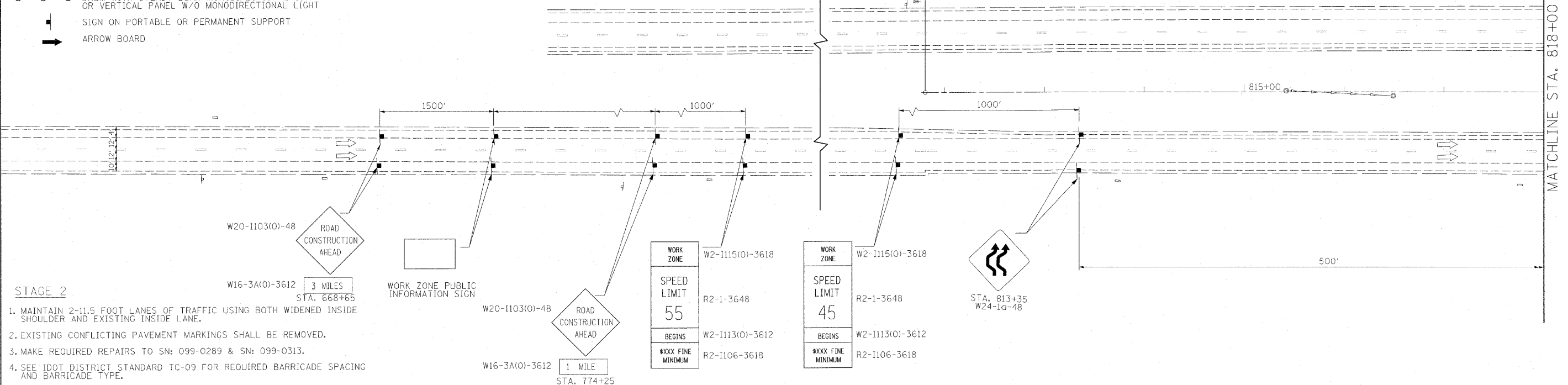
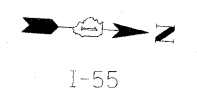
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55	99 (1 & 2) RS12	WILL	110	3
CONTRACT NO. 60K04			ILLINOIS FED. AID PROJECT	

LEGEND

- WORK AREA
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TEMPORARY CONCRETE BARRIER
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT OR VERTICAL PANEL W/O MONODIRECTIONAL LIGHT
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- ARROW BOARD

LEGEND

- ① WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4" (WHITE)
- ② WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4" (YELLOW)
- ③ WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5" (WHITE) 10' DASH-30' SKIP

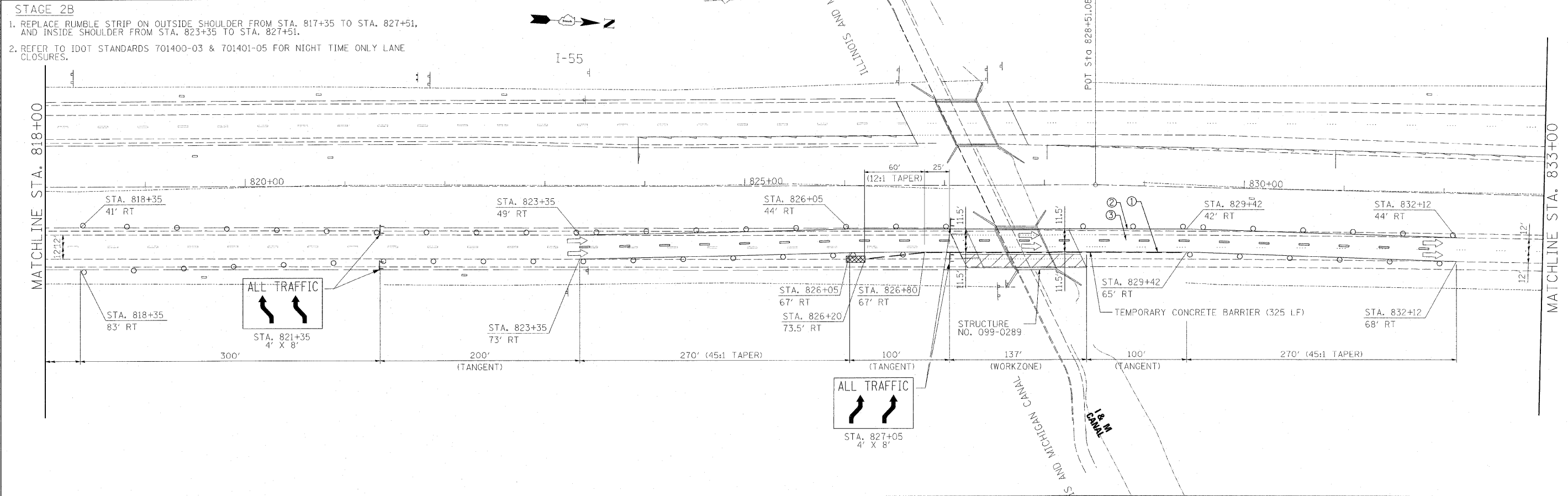


STAGE 2

1. MAINTAIN 2-11.5 FOOT LANES OF TRAFFIC USING BOTH WIDENED INSIDE SHOULDER AND EXISTING INSIDE LANE.
2. EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.
3. MAKE REQUIRED REPAIRS TO SN: 099-0289 & SN: 099-0313.
4. SEE IDOT DISTRICT STANDARD TC-09 FOR REQUIRED BARRICADE SPACING AND BARRICADE TYPE.

STAGE 2B

1. REPLACE RUMBLE STRIP ON OUTSIDE SHOULDER FROM STA. 817+35 TO STA. 827+51, AND INSIDE SHOULDER FROM STA. 823+35 TO STA. 827+51.
2. REFER TO IDOT STANDARDS 701400-03 & 701401-05 FOR NIGHT TIME ONLY LANE CLOSURES.



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DRAWN - TMF	CHECKED - KAC	DATE - 02/24/2010
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 STAGE 2 MAINTENANCE OF TRAFFIC
STRUCTURE NO. 099-0289 & 099-0313

SCALE: 1" = 50' SHEET NO. ___ OF ___ SHEETS STA. 811+00 TO STA. 833+00

F.A.I. RTE. 55	SECTION 99 (1 & 2) RS12	COUNTY WILL	TOTAL SHEETS 110	SHEET NO. 14
CONTRACT NO. 60K04			ILLINOIS FED. AID PROJECT	

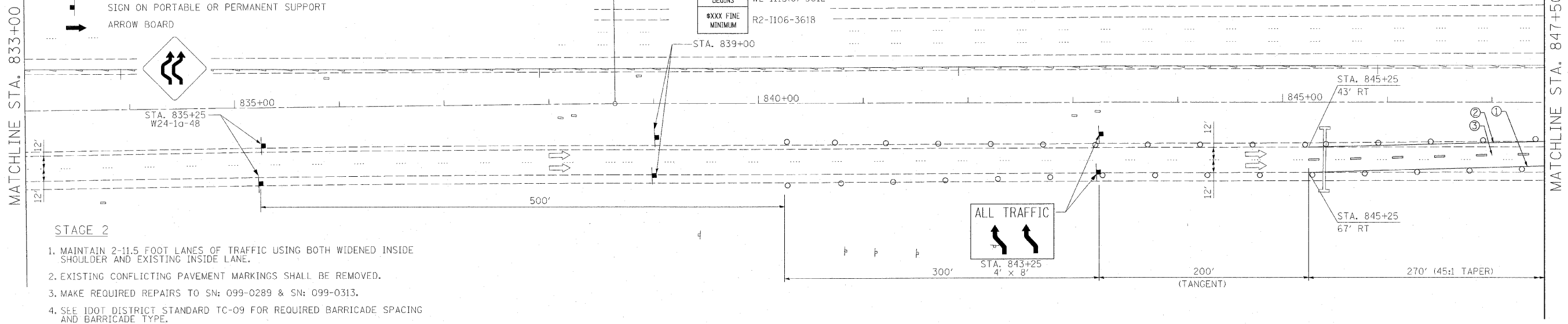
LEGEND

- WORK AREA
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TEMPORARY CONCRETE BARRIER
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT OR VERTICAL PANEL W/O MONODIRECTIONAL LIGHT
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- ARROW BOARD

LEGEND

- ① WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4" (WHITE)
- ② WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4" (YELLOW)
- ③ WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5" (WHITE) 10' DASH-30' SKIP

WORK ZONE	W2-1115(0)-3618
SPEED LIMIT	R2-1-3648
BEGINS	W2-1113(0)-3612
MINIMUM	R2-1106-3618

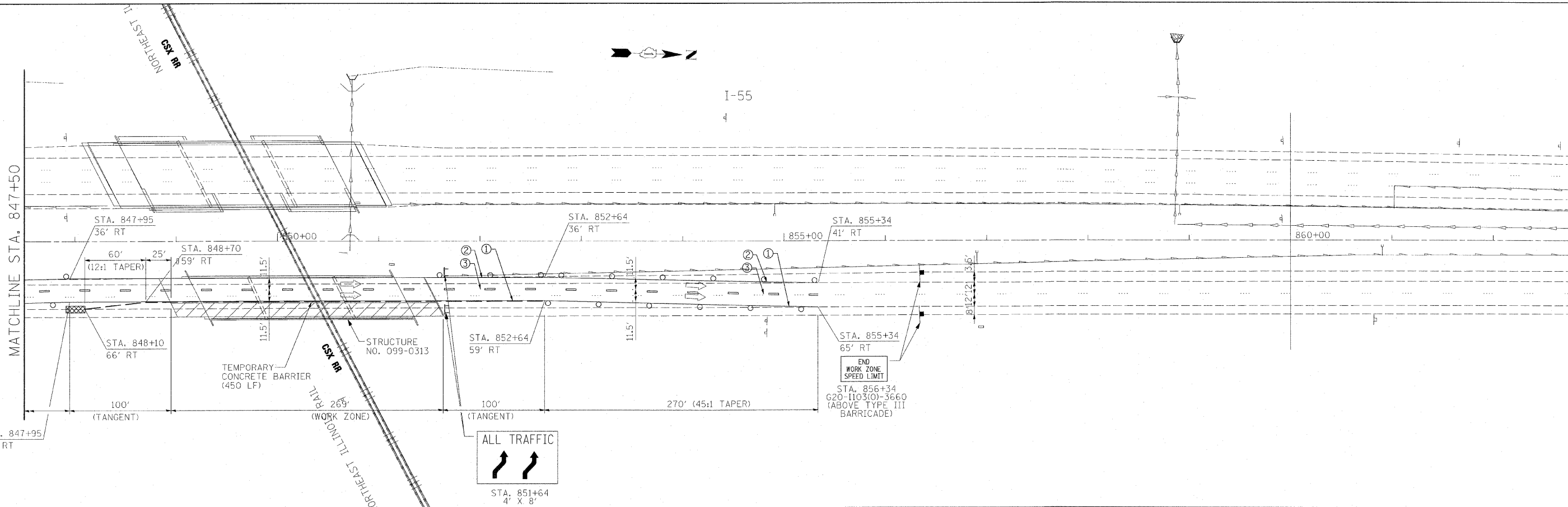


STAGE 2

1. MAINTAIN 2-11.5 FOOT LANES OF TRAFFIC USING BOTH WIDENED INSIDE SHOULDER AND EXISTING INSIDE LANE.
2. EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.
3. MAKE REQUIRED REPAIRS TO SN: 099-0289 & SN: 099-0313.
4. SEE IDOT DISTRICT STANDARD TC-09 FOR REQUIRED BARRICADE SPACING AND BARRICADE TYPE.

STAGE 2B

1. REPLACE RUMBLE STRIP ON OUTSIDE SHOULDER FROM STA. 817+35 TO STA. 827+51, AND INSIDE SHOULDER FROM STA. 823+35 TO STA. 827+51.
2. REFER TO IDOT STANDARDS 701400-03 & 701401-05 FOR NIGHTTIME ONLY LANE CLOSURES.



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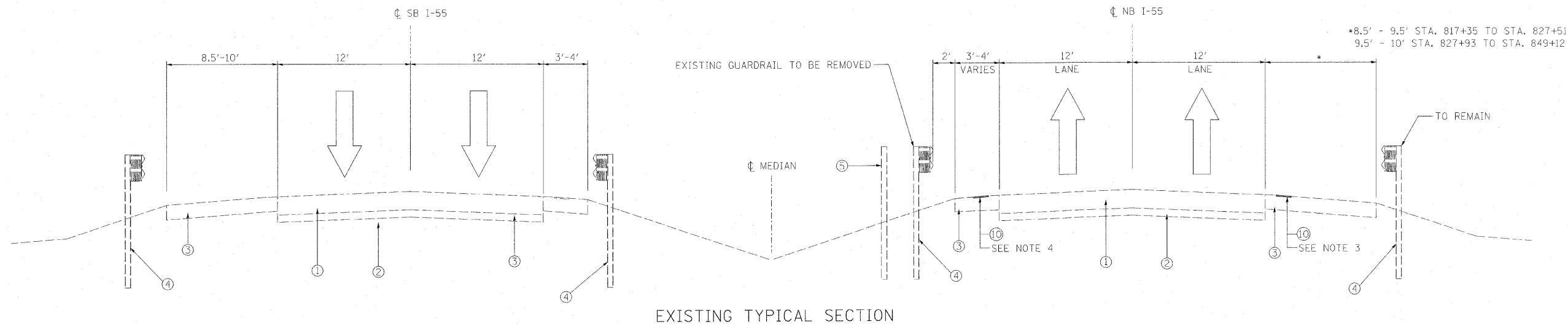
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

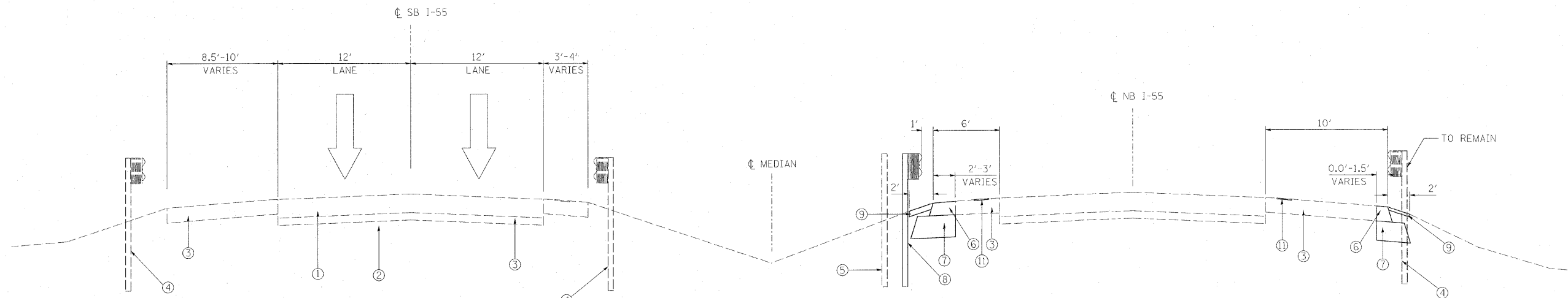
**INTERSTATE 55 STAGE 2 MAINTENANCE OF TRAFFIC
STRUCTURE NO. 099-0289 & 099-0313**

SCALE: 1" = 50' SHEET NO. ___ OF ___ SHEETS STA. 833+00 TO STA. 863+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1 & 2) RS12	WILL	110	15
CONTRACT NO. 60K04				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION



PROPOSED TYPICAL SECTION

STA. 823+35 TO STA. 832+12 (INSIDE SHOULDER)
 STA. 845+25 TO STA. 849+12 (INSIDE SHOULDER)
 STA. 819+00 TO STA. 861+34 (OUTSIDE SHOULDER)

LEGEND

- ① EXISTING P.C.C. PAVEMENT, 11"
- ② EXISTING AGGREGATE SUBGRADE, 4"
- ③ EXISTING P.C.C. SHOULDER, 8"
- ④ EXISTING GUARDRAIL
- ⑤ EXISTING CABLE MEDIAN BARRIER (TO REMAIN)
- ⑥ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
- ⑦ PROPOSED AGGREGATE BASE COURSE, TYPE A, 12"
- ⑧ PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A
- ⑨ PROPOSED TOPSOIL, 4"; PROPOSED SEEDING, CLASS 2A; AND EROSION CONTROL BLANKET
- ⑩ HOT-MIX ASPHALT SURFACE COURSE, "MIX C", N50
- ⑪ PROPOSED SHOULDER RUMBLE STRIP

NOTES:

- 1. EXTEND AGGREGATE BASE COURSE 1' BEYOND LIMITS OF HMA SHOULDER.
- 2. EARTH EXCAVATION QUANTITIES ARE ESTIMATED AND TO BE VERIFIED IN THE FIELD.
- 3. OUTSIDE SHOULDER RUMBLE STRIP TO BE REMOVED FROM STA 817+35 TO STA 827+51.
- 4. INSIDE SHOULDER RUMBLE STRIP TO BE REMOVED FROM STA 823+35 TO STA 827+51.

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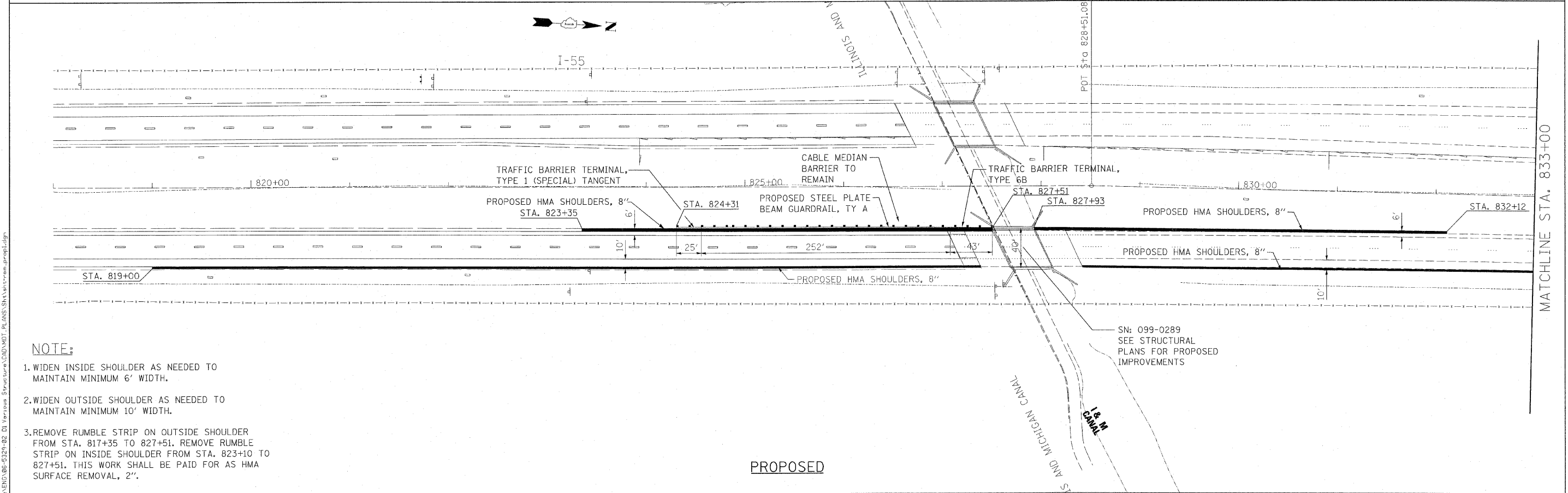
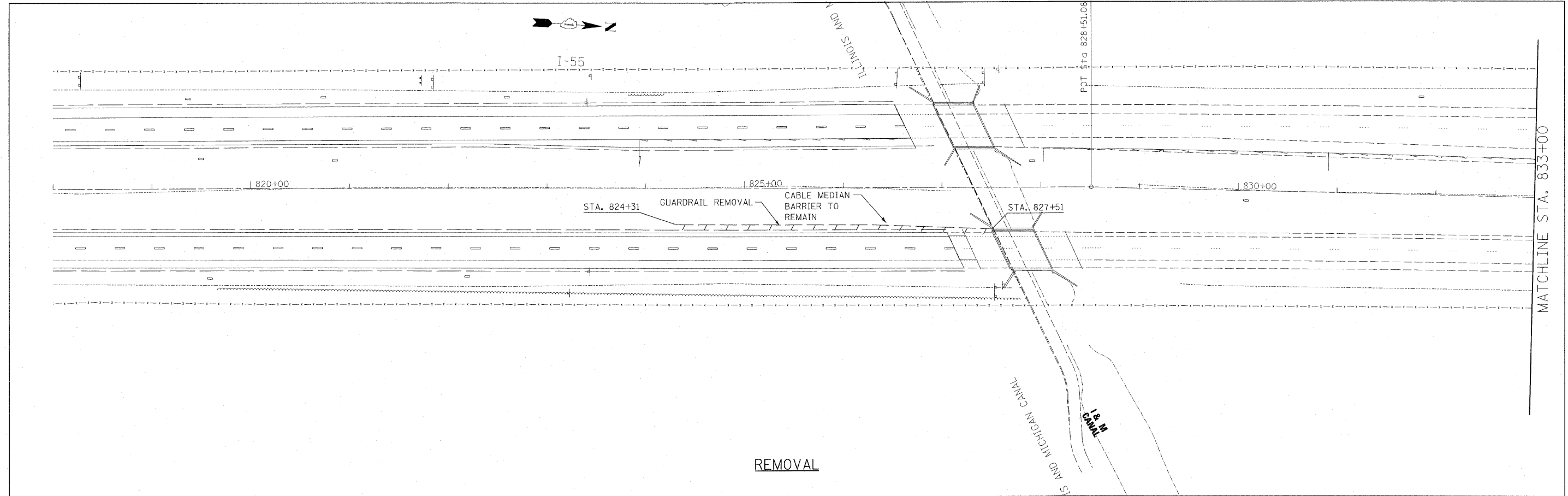
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	DATE - 02/24/2010	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-55 MAINLINE TYPICAL SECTIONS (PROPOSED SHOULDER WIDENING)
 STRUCTURE NO. 099-0289 & 099-0313**

SCALE: SHEET NO. ___ OF ___ SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1 & 2) RS12	WILL	110	16
CONTRACT NO. 60K04			ILLINOIS FED. AID PROJECT	



NOTE:

1. WIDEN INSIDE SHOULDER AS NEEDED TO MAINTAIN MINIMUM 6' WIDTH.
2. WIDEN OUTSIDE SHOULDER AS NEEDED TO MAINTAIN MINIMUM 10' WIDTH.
3. REMOVE RUMBLE STRIP ON OUTSIDE SHOULDER FROM STA. 817+35 TO 827+51. REMOVE RUMBLE STRIP ON INSIDE SHOULDER FROM STA. 823+10 TO 827+51. THIS WORK SHALL BE PAID FOR AS HMA SURFACE REMOVAL, 2".

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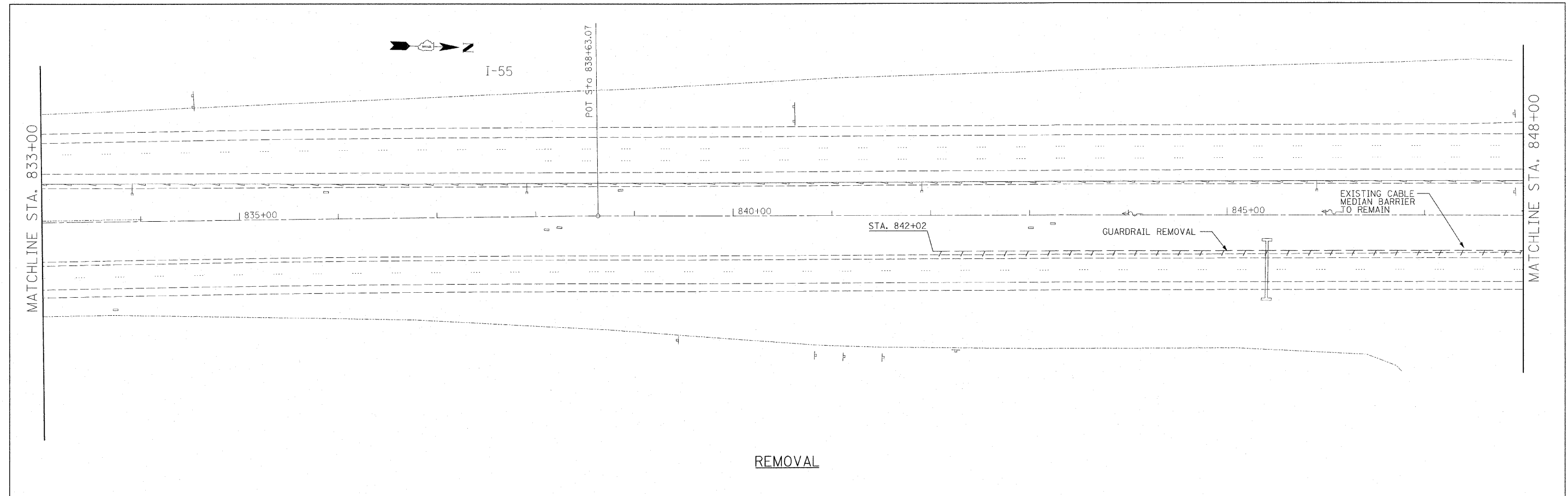
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DATE - 02/24/2010		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

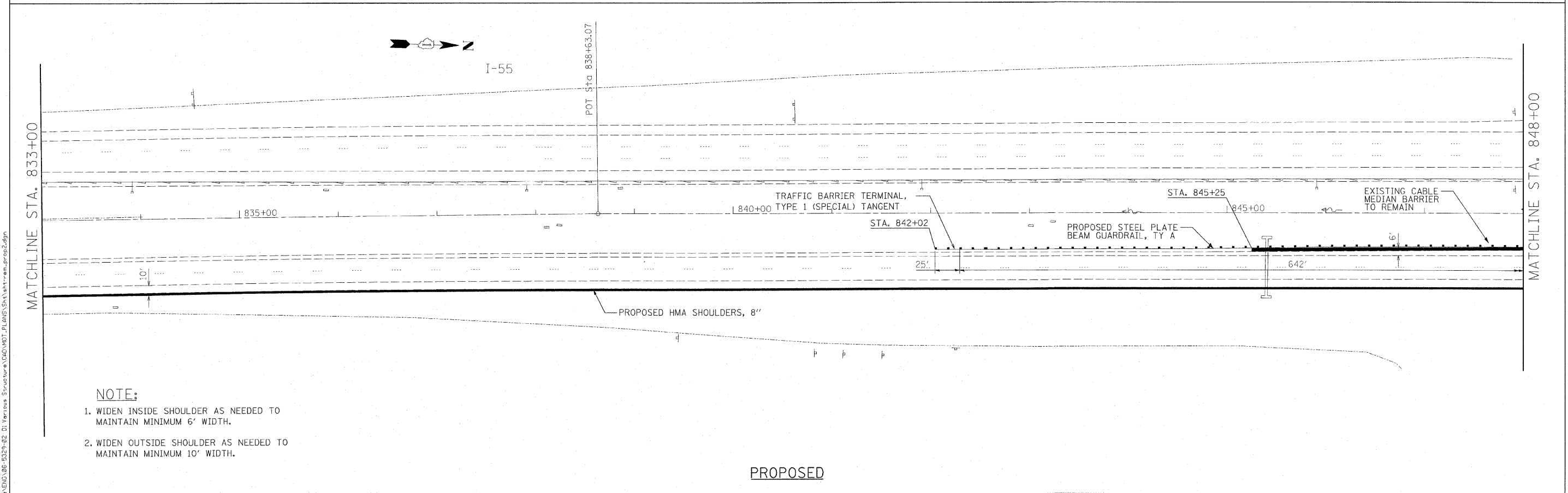
**EXISTING & PROPOSED I-55 GUARDRAIL & SHOULDER WIDENING PLAN
STRUCTURE NO. 099-0289 & 099-0313**

SCALE: 1" = 50' SHEET NO. ___ OF ___ SHEETS STA. 818+00 TO STA. 833+00

F.A.I. RTE. 55	SECTION 99 (1 & 2) RS12	COUNTY WILL	TOTAL SHEETS 110	SHEET NO. 17
CONTRACT NO. 60K04			ILLINOIS FED. AID PROJECT	



REMOVAL



PROPOSED

- NOTE:**
1. WIDEN INSIDE SHOULDER AS NEEDED TO MAINTAIN MINIMUM 6' WIDTH.
 2. WIDEN OUTSIDE SHOULDER AS NEEDED TO MAINTAIN MINIMUM 10' WIDTH.

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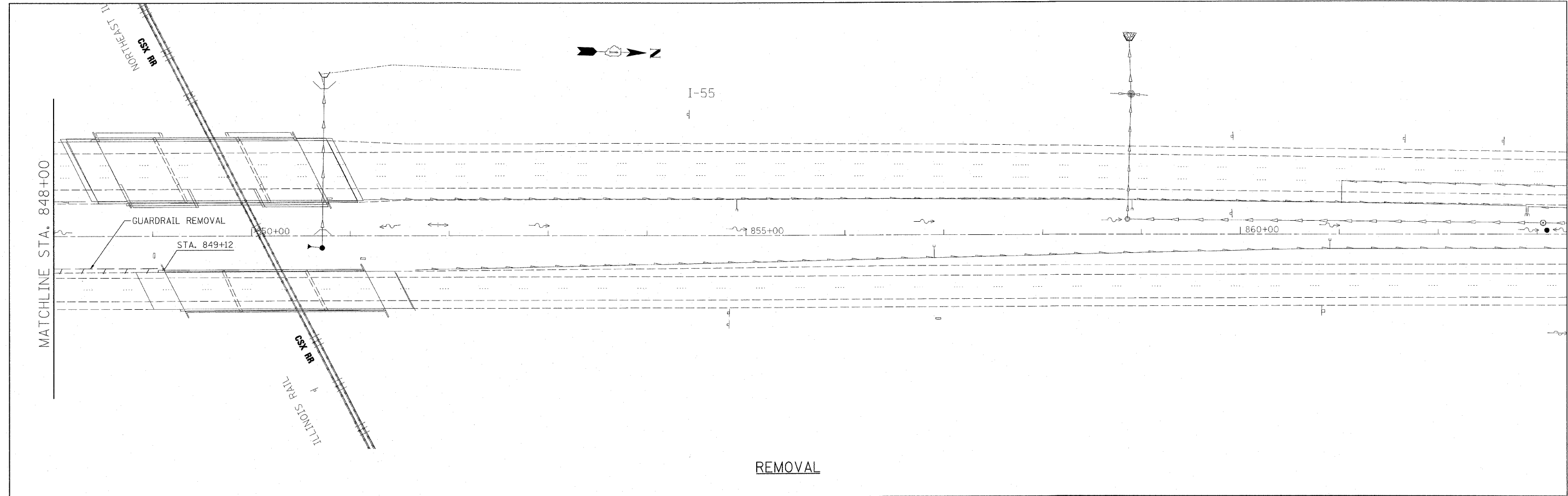


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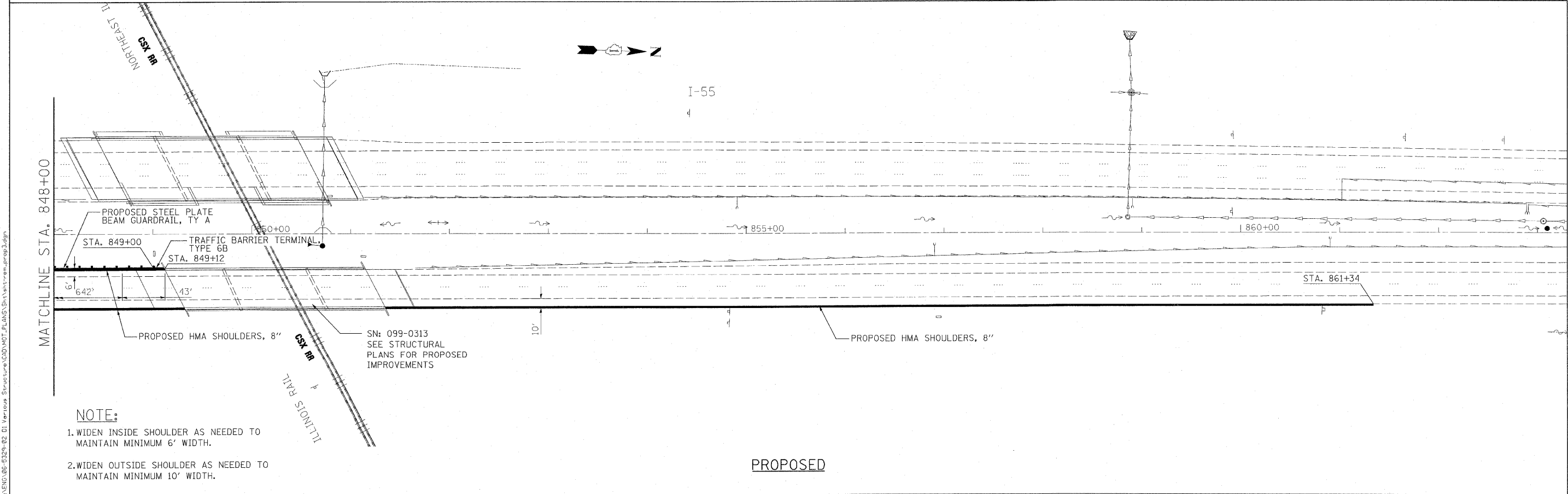
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING & PROPOSED I-55 GUARDRAIL & SHOULDER WIDENING PLAN
STRUCTURE NO. 099-0289 & 099-0313**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1 & 2) RS12	WILL	110	18
SCALE: 1" = 50'			SHEET NO. ___ OF ___ SHEETS	
STA. 833+00 TO STA. 848+00			CONTRACT NO. 60K04	
ILLINOIS FED. AID PROJECT				



REMOVAL



PROPOSED

NOTE:

1. WIDEN INSIDE SHOULDER AS NEEDED TO MAINTAIN MINIMUM 6' WIDTH.
2. WIDEN OUTSIDE SHOULDER AS NEEDED TO MAINTAIN MINIMUM 10' WIDTH.

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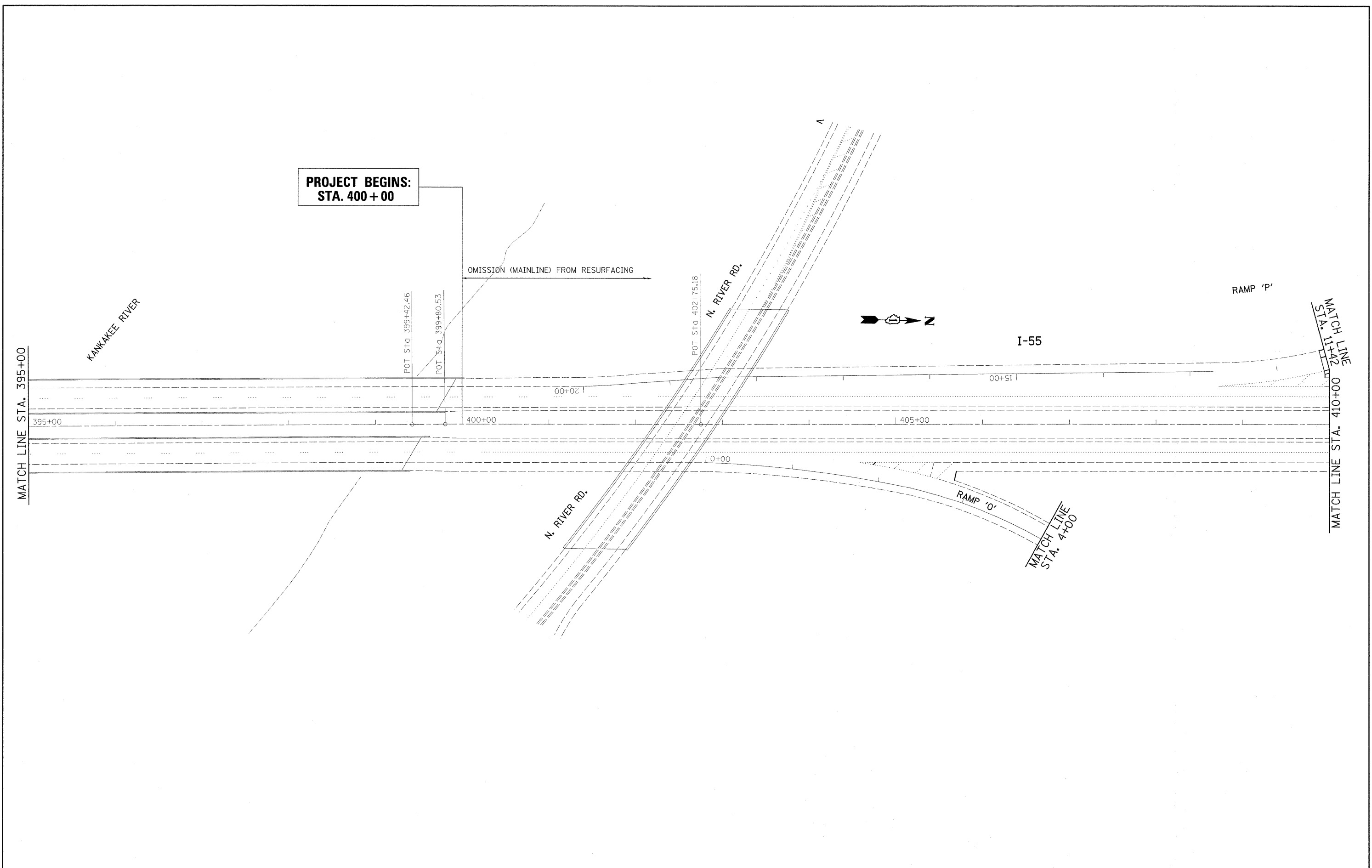
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PLOT DATE = 3/11/2010		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING & PROPOSED I-55 GUARDRAIL & SHOULDER WIDENING PLAN
STRUCTURE NO. 099-0289 & 099-0313**

SCALE: 1" = 50' SHEET NO. ___ OF ___ SHEETS STA. 848+00 TO STA. 862+00

F.A.I. RTE. 55	SECTION 99 (1 & 2) RS12	COUNTY WILL	TOTAL SHEETS 110	SHEET NO. 19
CONTRACT NO. 60K04			ILLINOIS FED. AID PROJECT	



**PROJECT BEGINS:
STA. 400 + 00**

OMISSION (MAINLINE) FROM RESURFACING



I-55

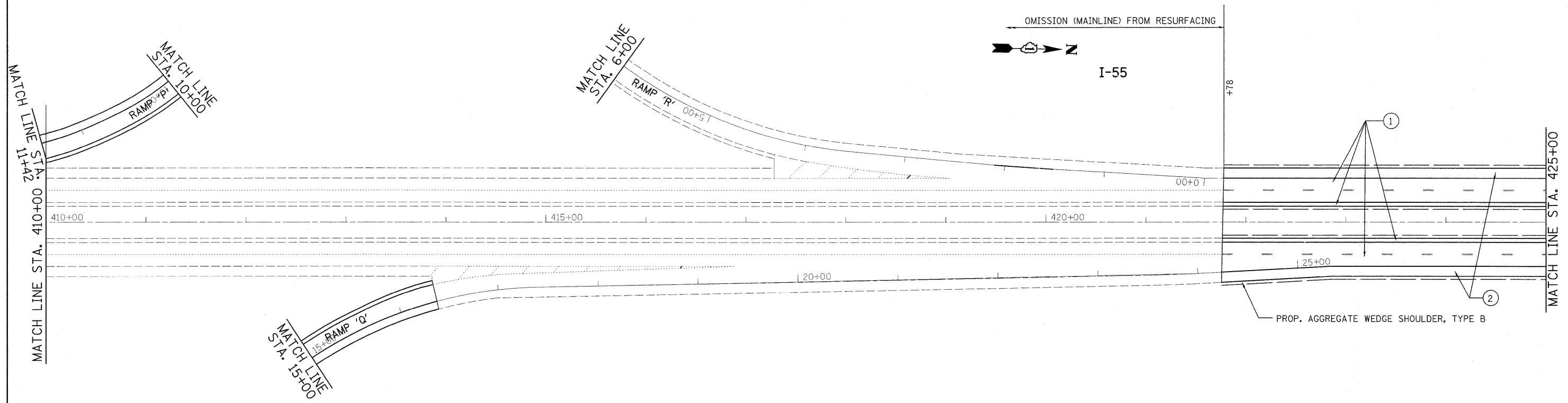
RAMP 'P'

MATCH LINE
STA. 11+42
00+00

MATCH LINE
STA. 4+00

MATCH LINE STA. 395+00

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PLOT DATE = 2/11/2010	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			



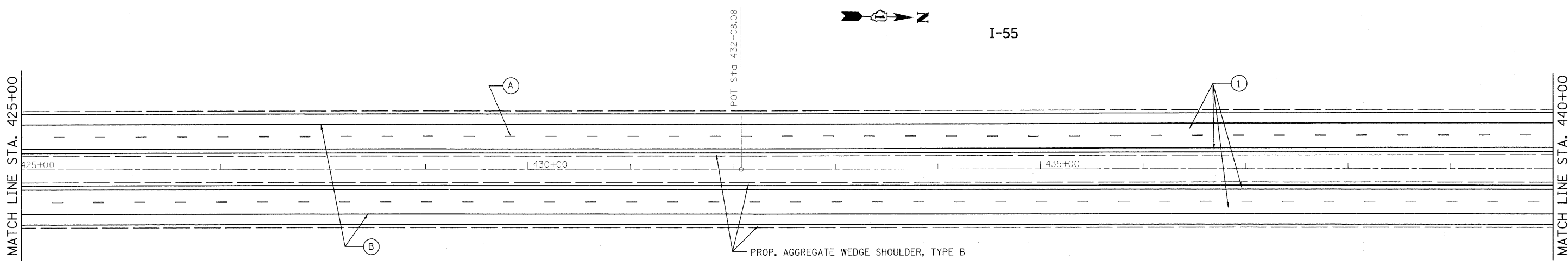
- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 KANKAKEE RIVER TO S. OF I-80		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 2/11/2010		DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.				

MATCH LINE STA. 425+00

MATCH LINE STA. 440+00



I-55

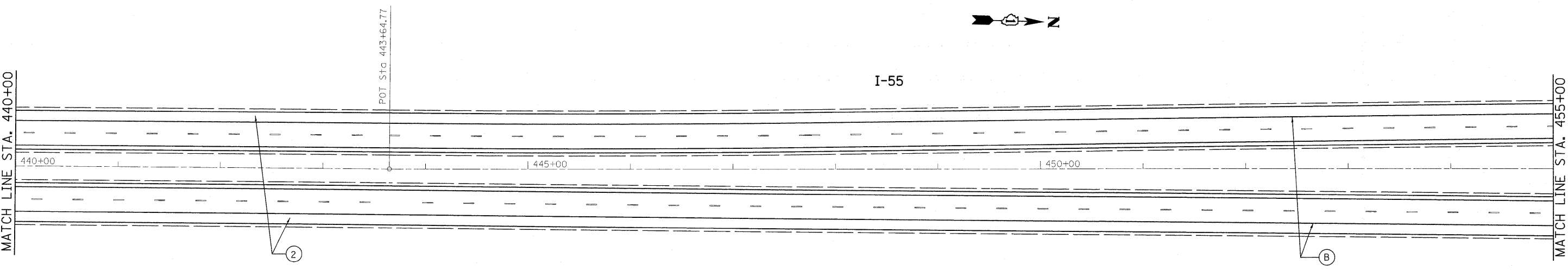
- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

PROP. AGGREGATE WEDGE SHOULDER, TYPE B

MATCH LINE STA. 440+00

MATCH LINE STA. 455+00



I-55

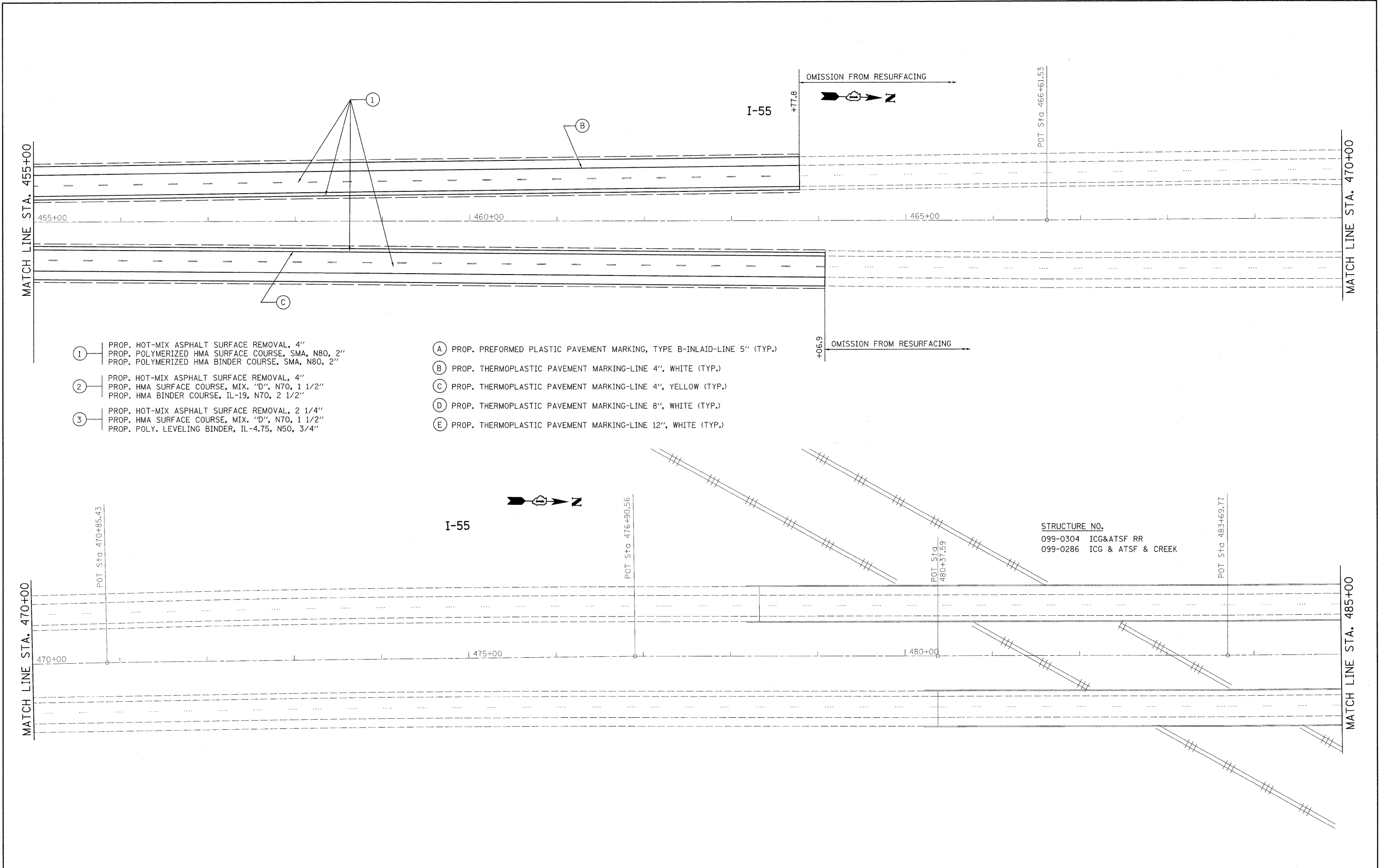
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	PLOT DATE = 2/11/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL. ROUTE 55
KANKAKEE RIVER TO S. OF I-80

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1&2) RS-12	WILL	110	22
CONTRACT NO. 60K04				
ILLINOIS FED. AID PROJECT				

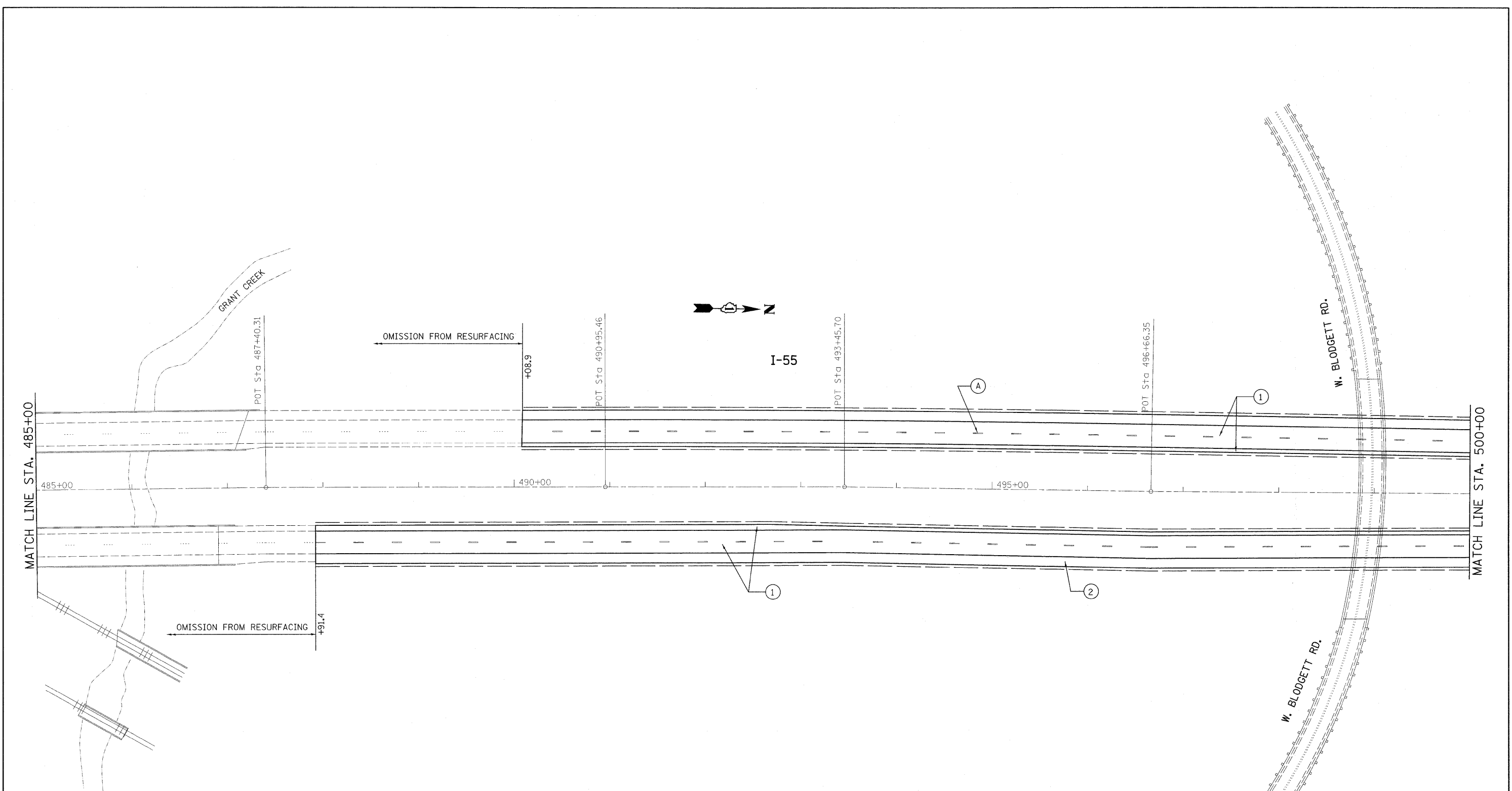


- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

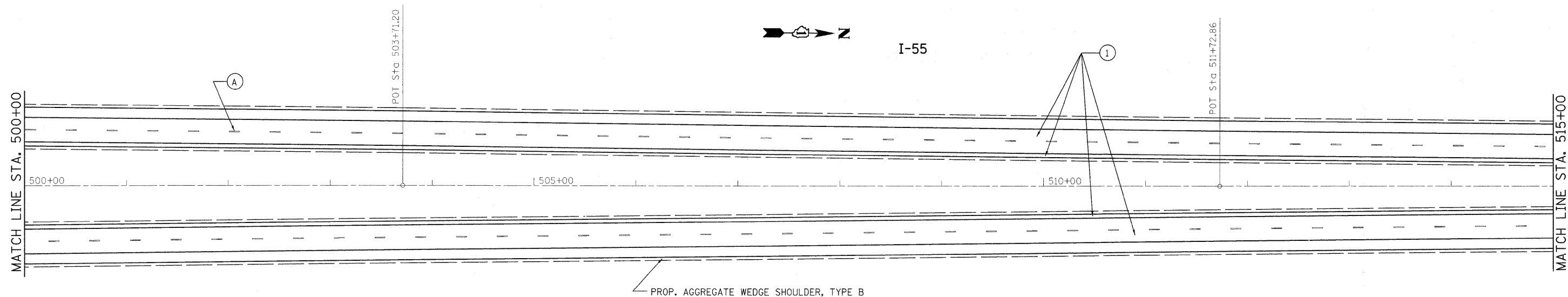
STRUCTURE NO.
099-0304 ICG&ATSF RR
099-0286 ICG & ATSF & CREEK

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 KANKAKEE RIVER TO S. OF I-80	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 2/11/2010	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
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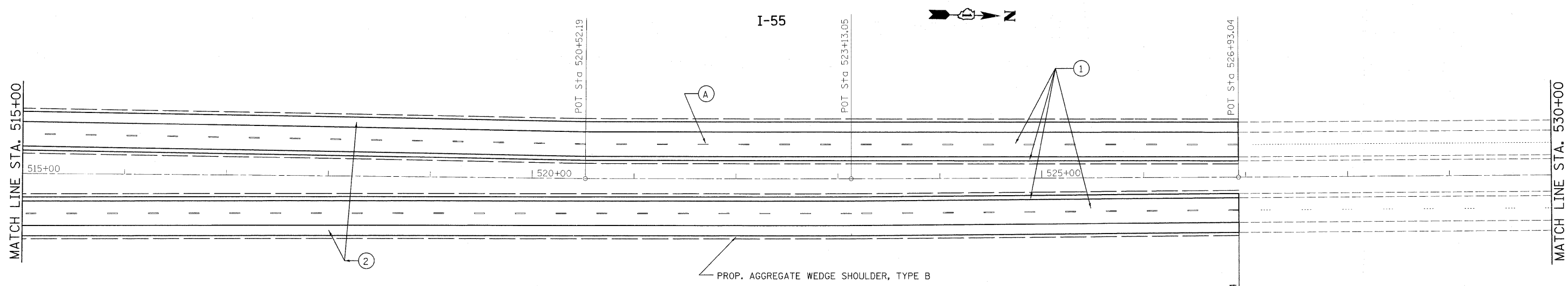
- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"
- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 KANKAKEE RIVER TO S. OF I-80		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 50,0000 ' / IN.		CHECKED -	REVISED -		CONTRACT NO. 60K04			ILLINOIS FED. AID PROJECT			
PLOT DATE = 2/11/2010		DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.				



PROP. AGGREGATE WEDGE SHOULDER, TYPE B

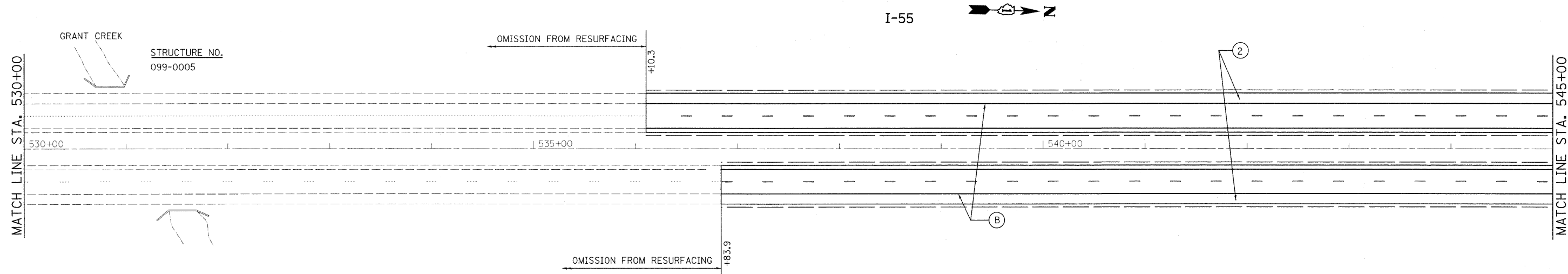
- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
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PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"
- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)



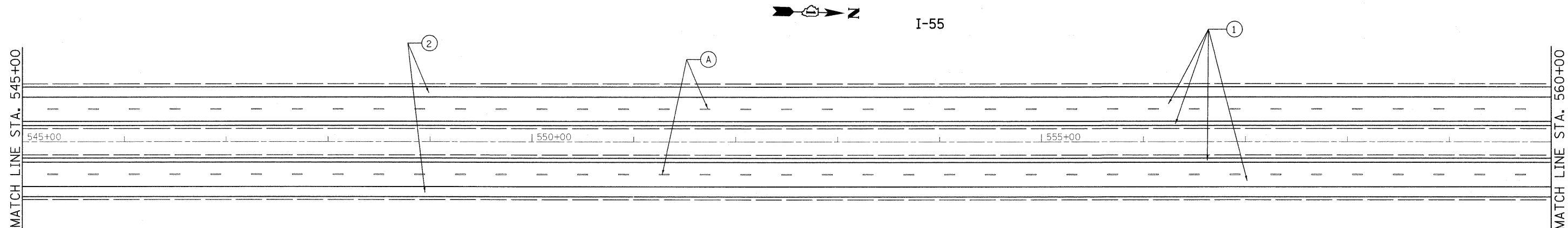
PROP. AGGREGATE WEDGE SHOULDER, TYPE B

+93.04 OMISSION FROM RESURFACING

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 KANKAKEE RIVER TO S. OF I-80			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 2/11/2010		DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.					



- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"
- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

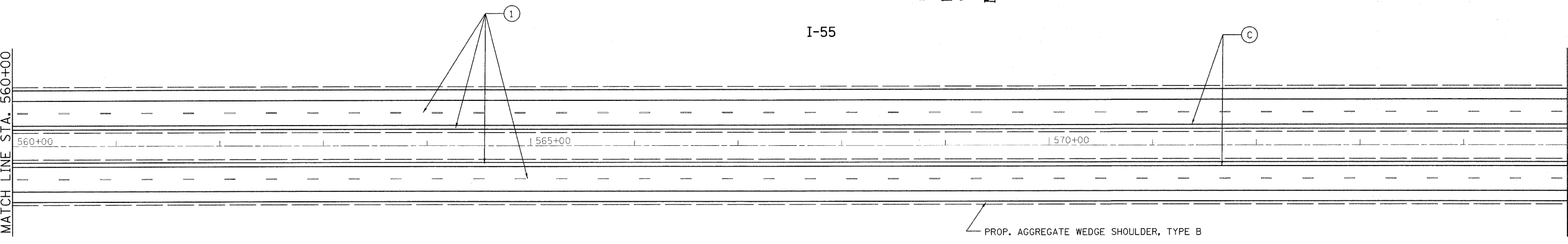
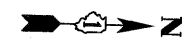


FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 KANKAKEE RIVER TO S. OF I-80		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\PWIDOT\ABEBAWA\d0169692\shd-plan.dgn		DRAWN -	REVISED -		55	99 (1&2) RS-12	WILL	110	26		
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 60K04			ILLINOIS FED. AID PROJECT			
PLOT DATE = 2/11/2010		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.		

MATCH LINE STA. 560+00

MATCH LINE STA. 575+00

I-55



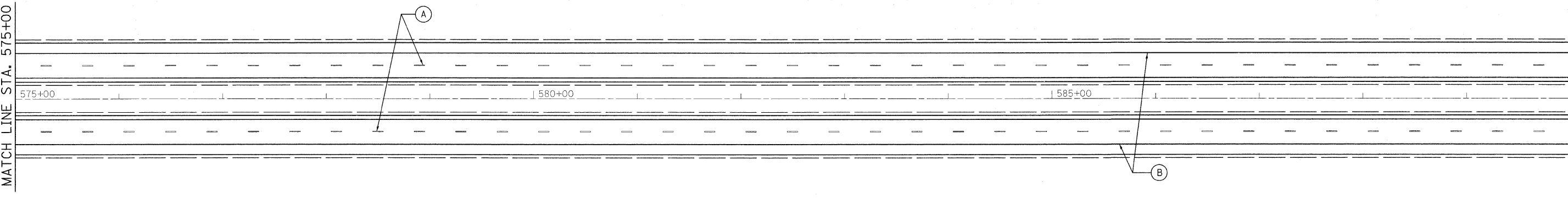
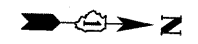
- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- (A) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

MATCH LINE STA. 575+00

MATCH LINE STA. 590+00

I-55



FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -
cs:\pw_work\pw\DOT\ABEBAWA\0169692\shd-plan.dgn		DRAWN -	REVISED -
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 2/11/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL. ROUTE 55
KANKAKEE RIVER TO S. OF I-80**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1&2) RS-12	WILL	110	27
CONTRACT NO. 60K04				

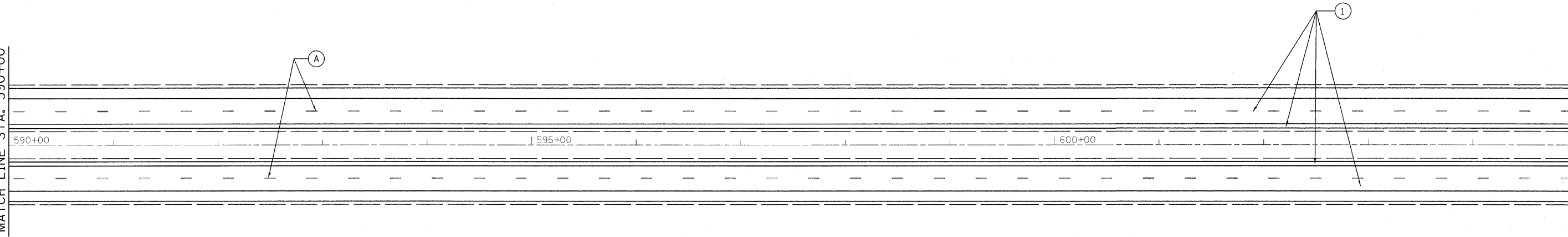
ILLINOIS FED. AID PROJECT



I-55

MATCH LINE STA. 590+00

MATCH LINE STA. 605+00



- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

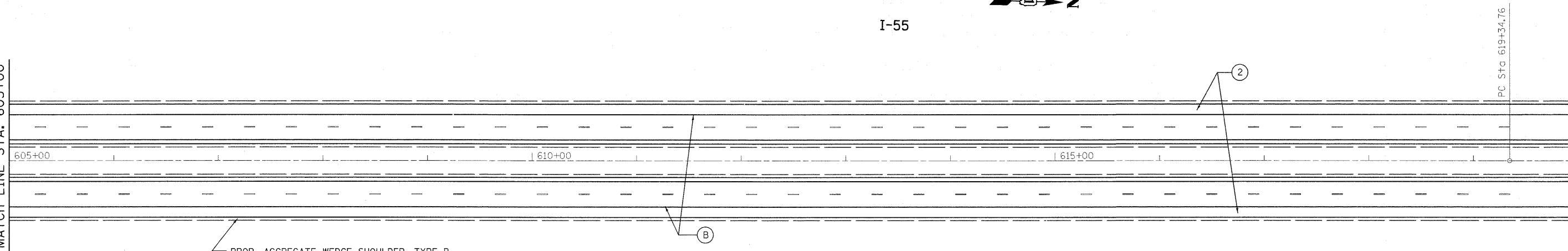
- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)



I-55

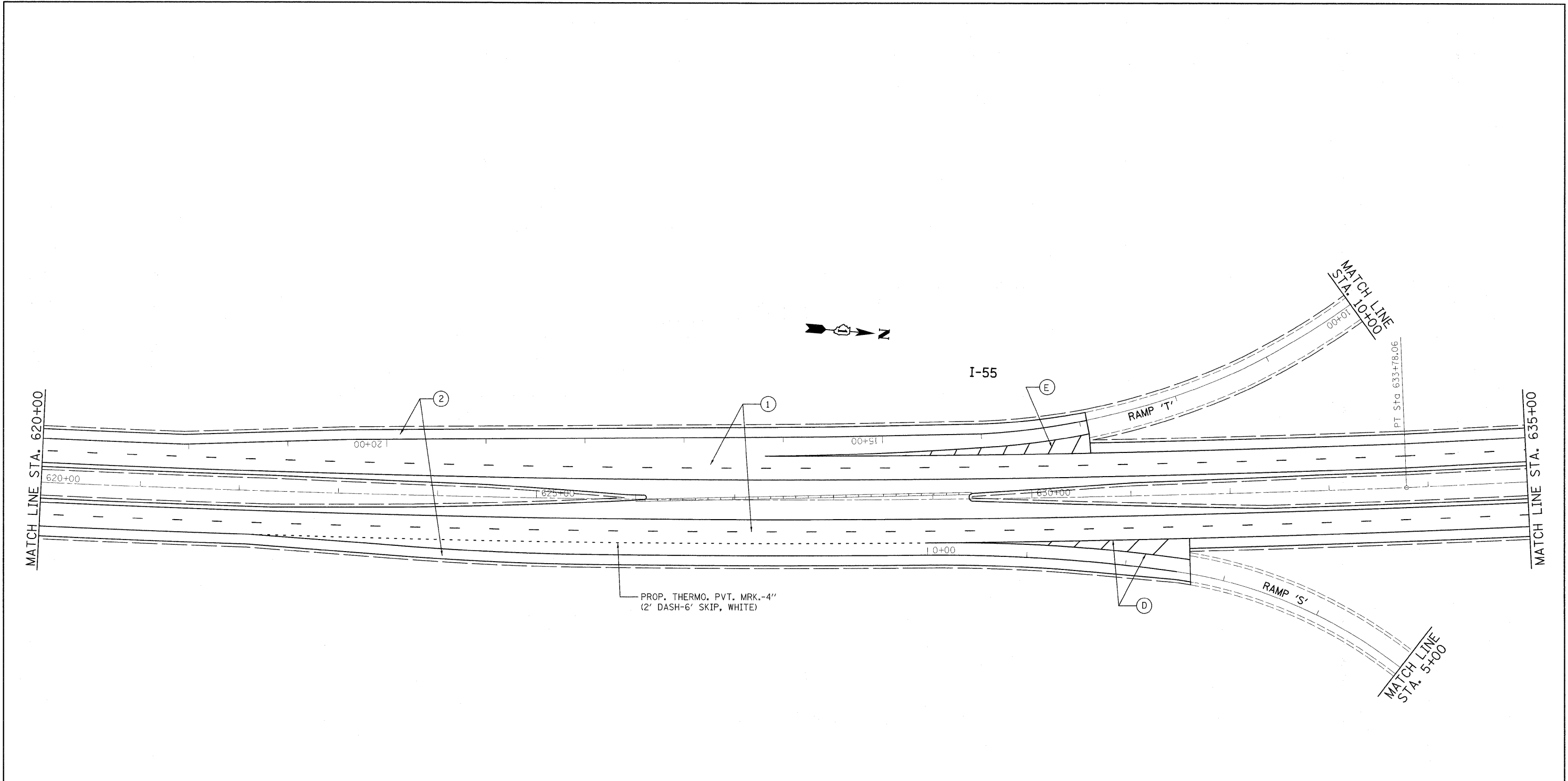
MATCH LINE STA. 605+00

MATCH LINE STA. 620+00



PROP. AGGREGATE WEDGE SHOULDER, TYPE B

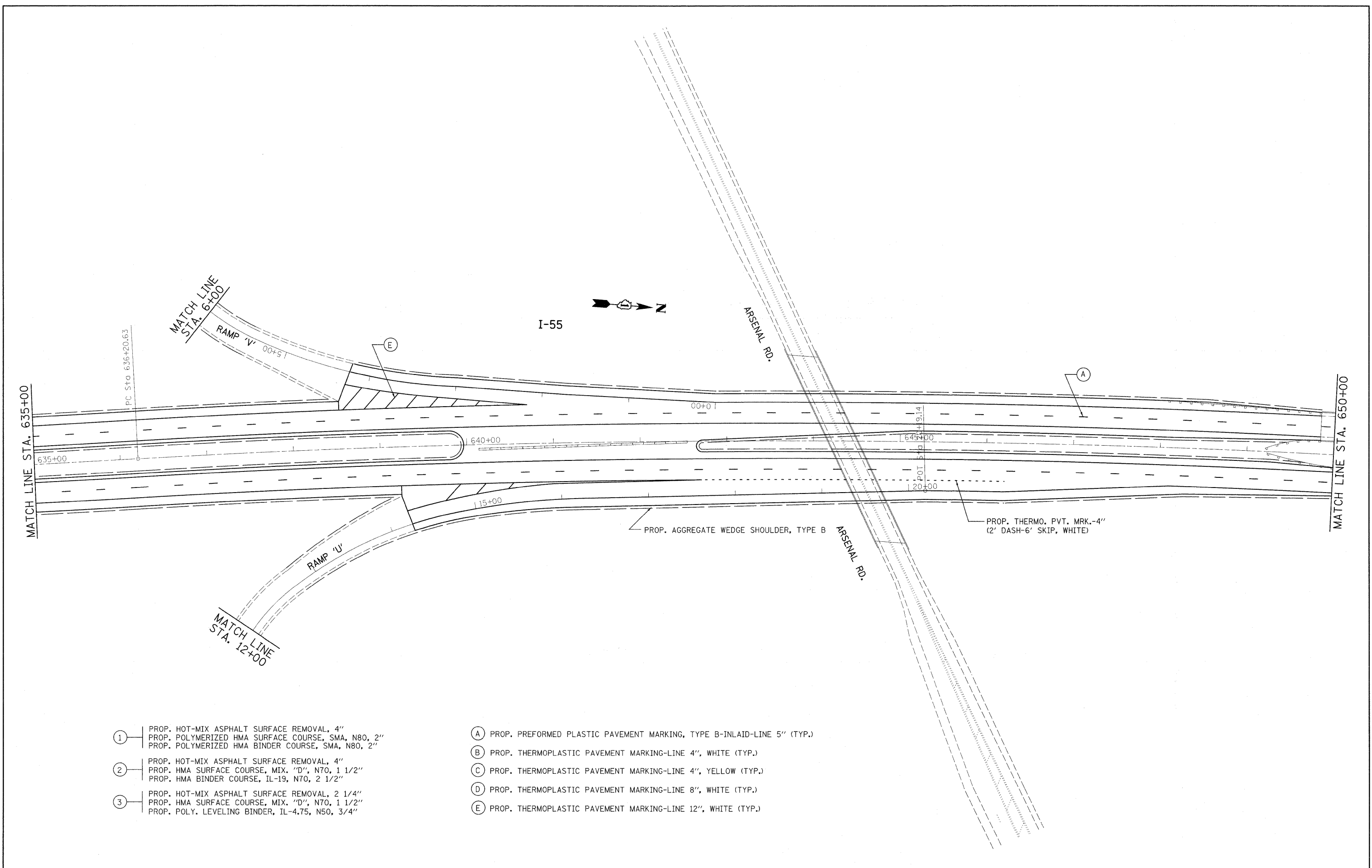
FILE NAME =	USER NAME = ebeba	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 KANKAKEE RIVER TO S. OF I-80	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\PW1001\ABEBAWA\0169692\shd-plan.dgn	DRAWN -	REVISED -	55			99 (1&2) RS-12	WILL	110	28	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 60K04							
PLOT DATE = 2/11/2010	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
					SCALE:	SHEET NO. OF SHEETS		STA. TO STA.		



- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

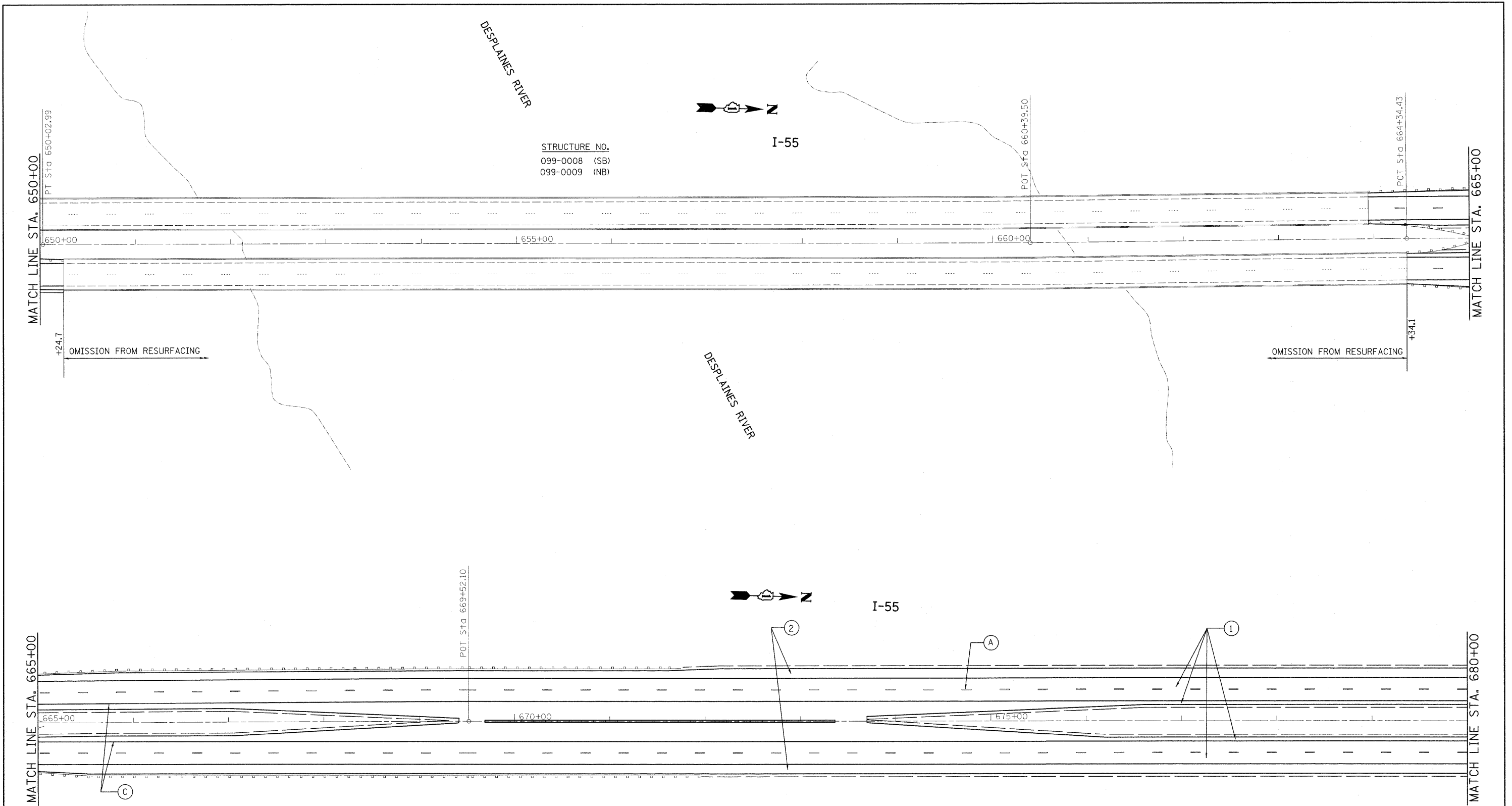
- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

FILE NAME =	USER NAME = abebowa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 KANKAKEE RIVER TO S. OF I-80	F.A.I. RTE. 55	SECTION 99 (1&2) RS-12	COUNTY WILL	TOTAL SHEETS 110	SHEET NO. 29	
DRAWN - CHECKED - PLOT DATE = 2/11/2010				REVISED - REVISED - REVISED -				CONTRACT NO. 60K04		ILLINOIS FED. AID PROJECT	
				SCALE: SHEET NO. OF SHEETS STA. TO STA.							



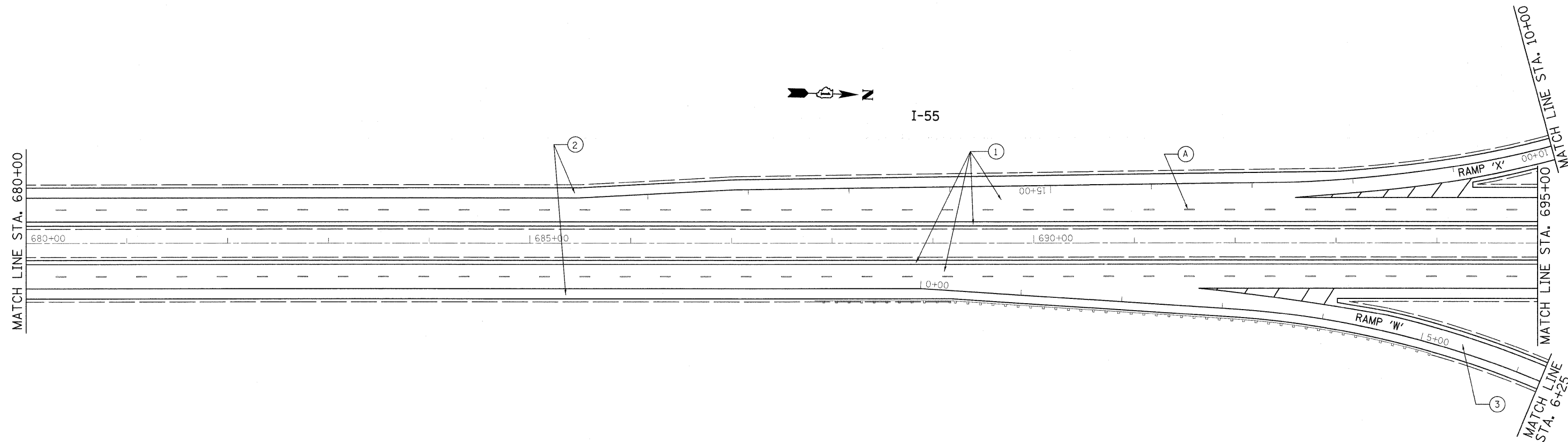
- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"
- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 KANKAKEE RIVER TO S. OF I-80		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\PWIDOT\ABEBAWA\0169692\sh-	plan.dgn	DRAWN -	REVISED -		55	99 (1&2) RS-12	WILL	110	30		
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO.			ILLINOIS FED. AID PROJECT			
PLOT DATE = 2/11/2010		DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.				



- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"
- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

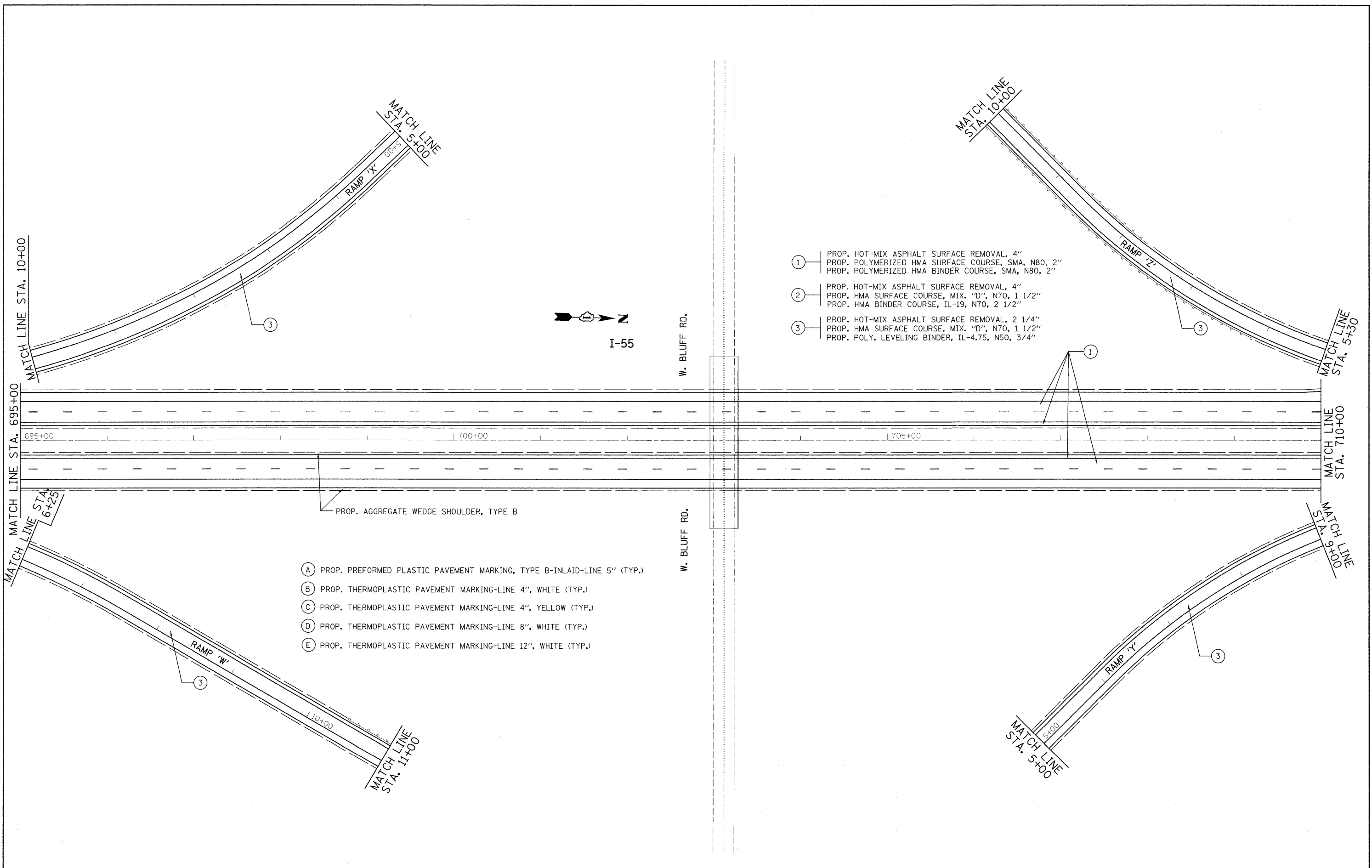
FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct\pwork\PWIDOT\ABEBAWA\0169692\shd-plan.dgn		DRAWN -	REVISED -		55	99 (1&2) RS-12	WILL	110	31			
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 60K04							
PLOT DATE = 2/11/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



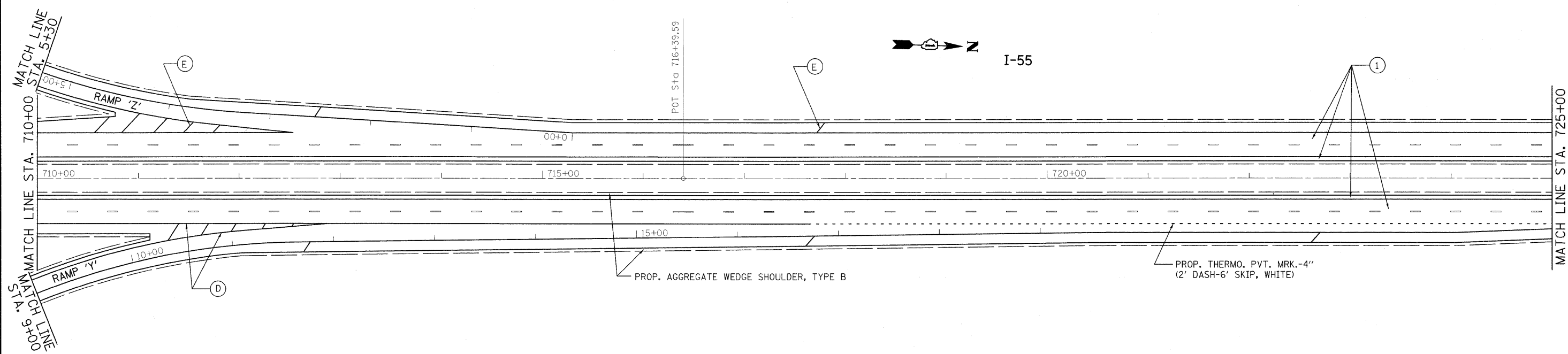
- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 KANKAKEE RIVER TO S. OF I-80		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwidot\ABEBAWA\0169692\sh	ian.dgn	DRAWN -	REVISED -		55	99 (1&2) RS-12	WILL	110	32		
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 60K04			ILLINOIS FED. AID PROJECT			
	PLOT DATE = 2/11/2010	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	



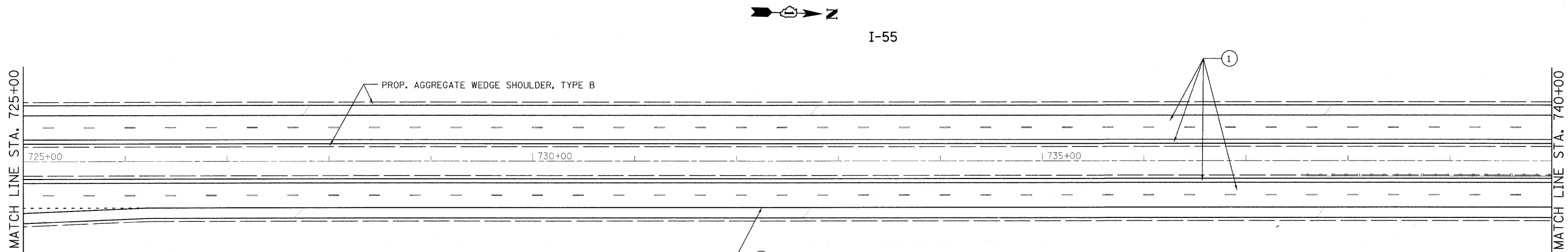
FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 KANKAKEE RIVER TO S. OF I-80	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\PWIDOT\ABEBAWA\02169692\shht-1.dgn		DRAWN -	REVISED -		55	99 (1&2) RS-12	WILL	110	33	
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 60K04					
PLOT DATE = 2/11/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT					



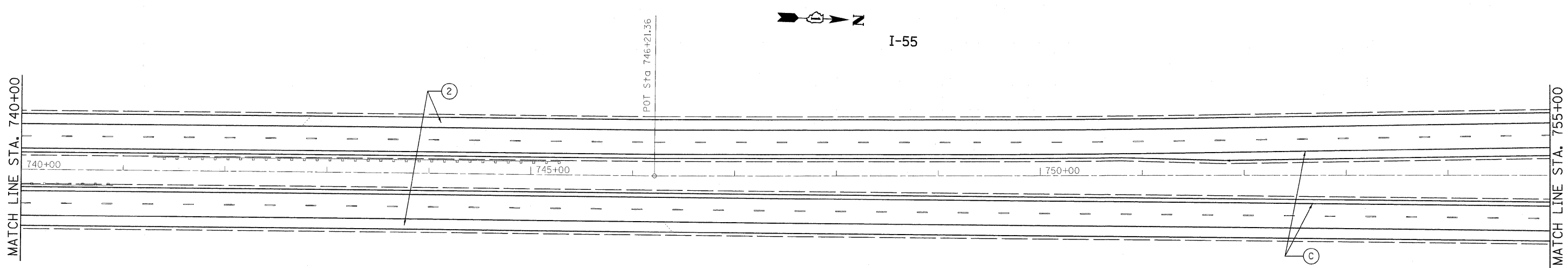
- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

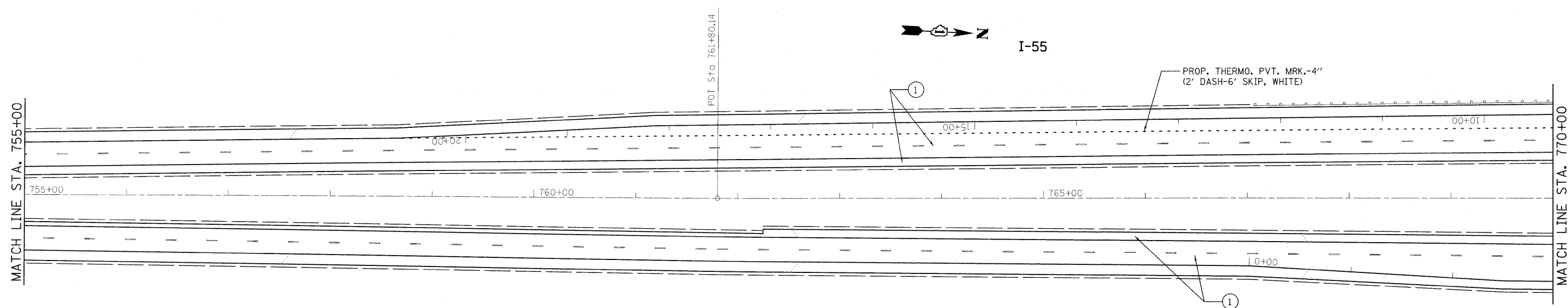
FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 KANKAKEE RIVER TO S. OF I-80			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\PWIDOT\ABEBAWA\0169692\shd-plan.dgn		DRAWN -	REVISED -		55	99 (1&2) RS-12	WILL	110	34			
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 60K04							
PLOT DATE = 2/11/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			



- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"
- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)



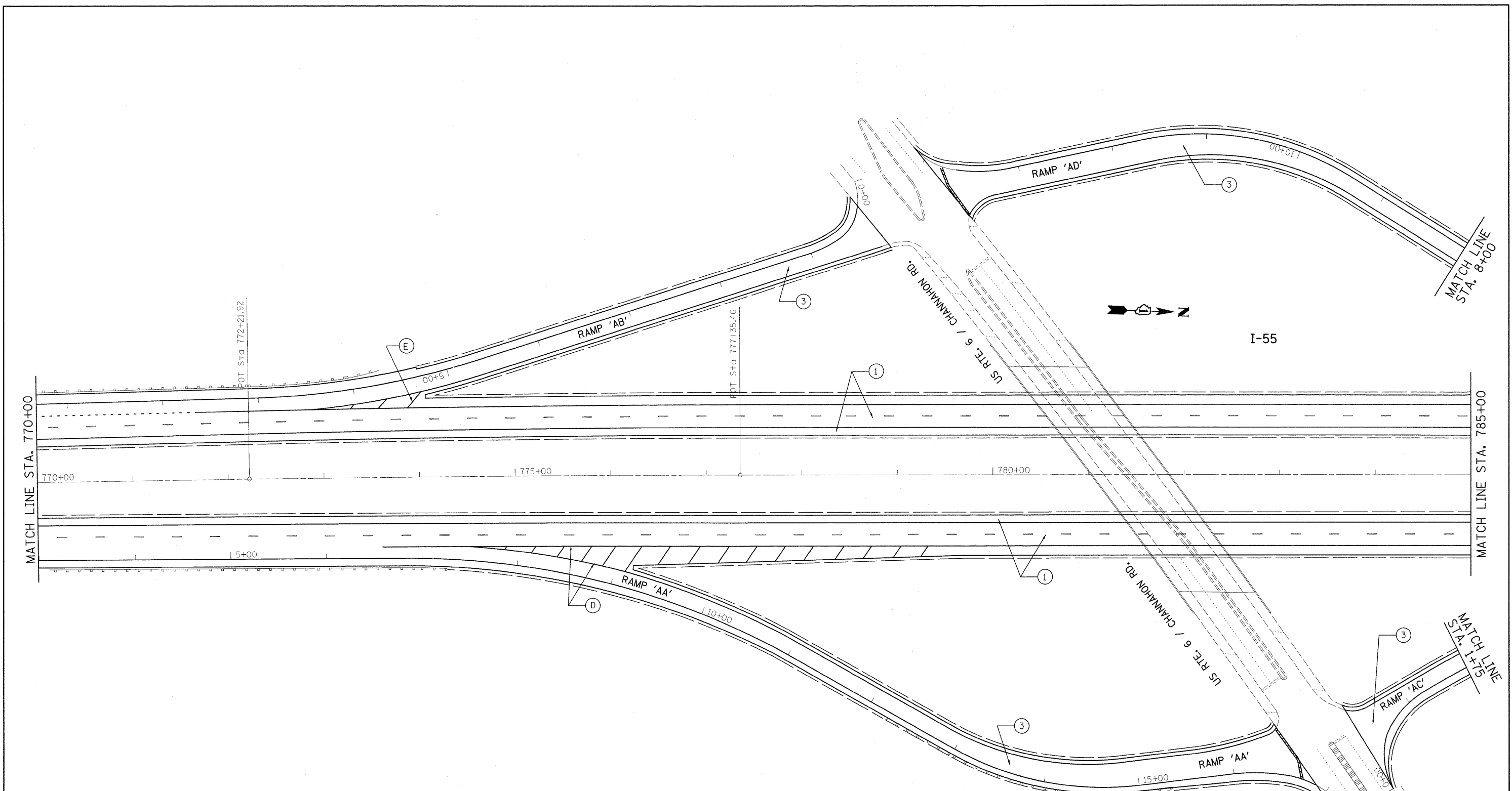
FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 KANKAKEE RIVER TO S. OF I-80	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 2/11/2010	DATE -	CHECKED -	REVISED -			CONTRACT NO. 60K04					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

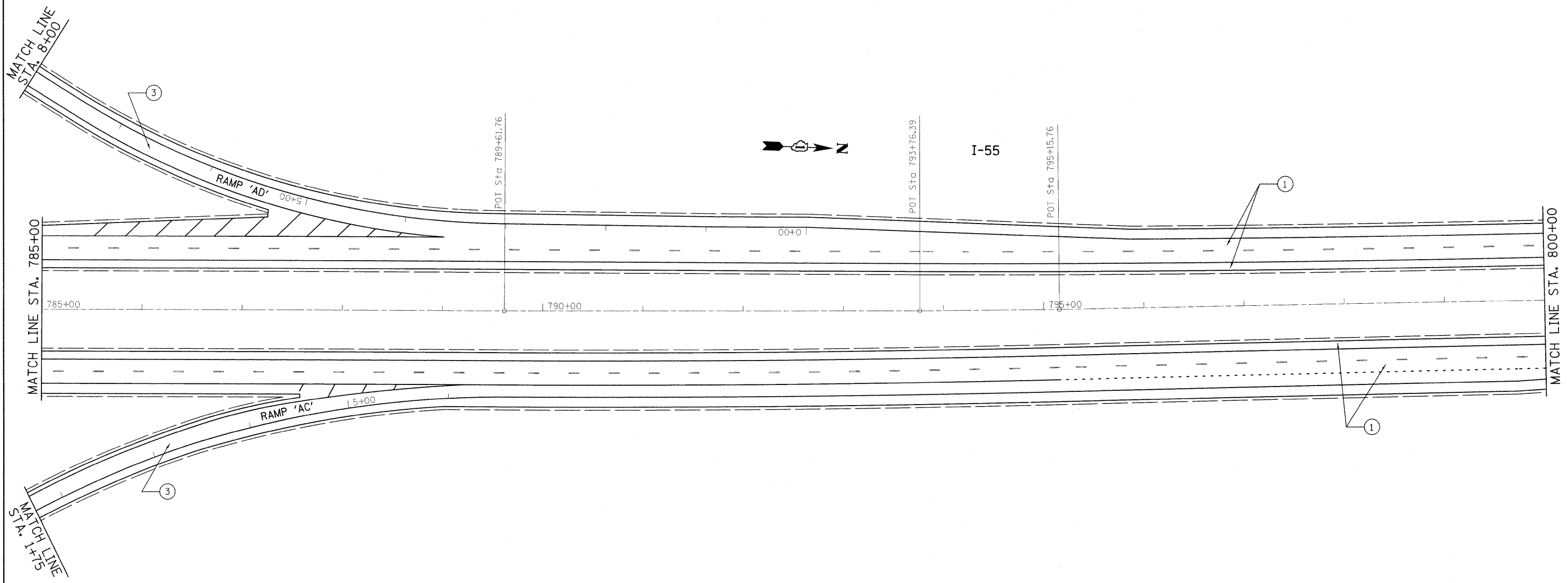
FILE NAME = c:\pw_work\PWIDOT\ABEBAWA\d0169692\shht-plan.dgn	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 KANKAKEE RIVER TO S. OF I-80	F.A.I. RTE. 55	SECTION 99 (1&2) RS-12	COUNTY WILL	TOTAL SHEETS 110	SHEET NO. 36
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 60K04				
	PLOT DATE = 2/11/2010	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

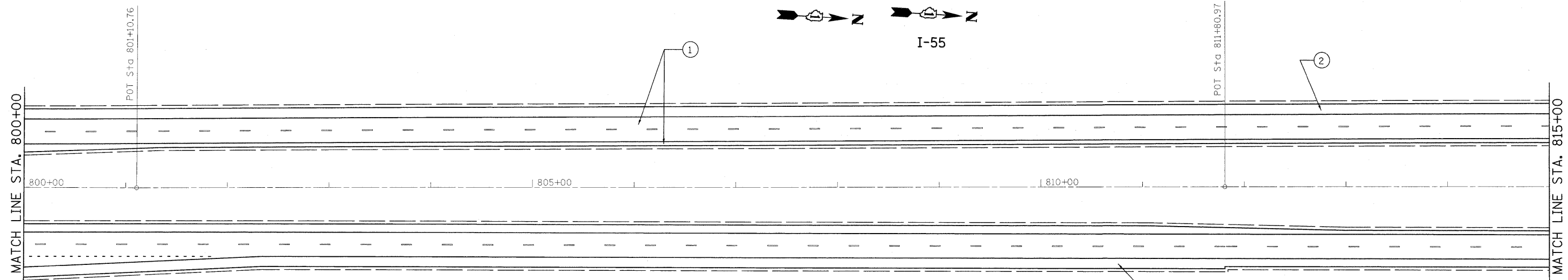
- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 KANKAKEE RIVER TO S. OF I-80		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\p\WIDOT\ABEBAWA\016962\shht-plan.dgn		DRAWN -	REVISED -		55	99 (1&2) RS-12	WILL	110	37		
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 60K04			ILLINOIS FED. AID PROJECT			
PLOT DATE = 2/11/2010		DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	



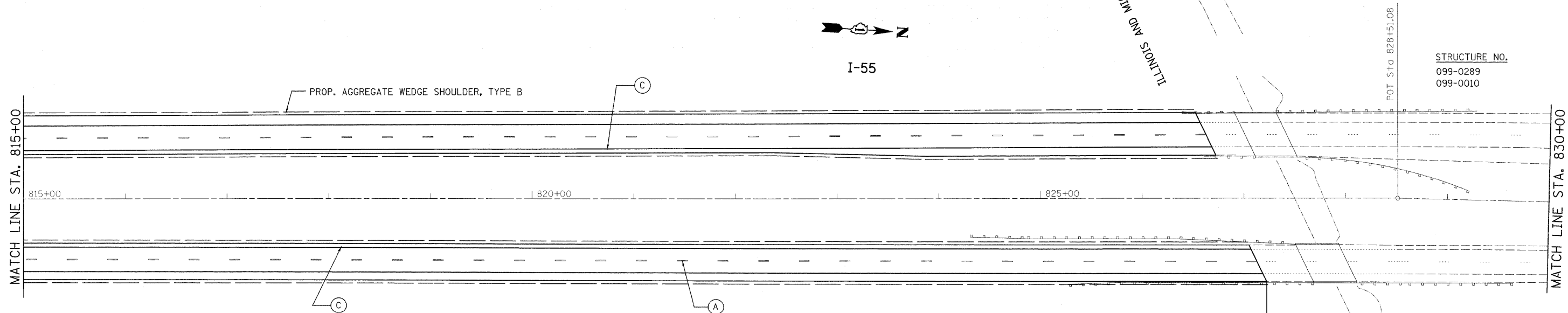
- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"
- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 KANKAKEE RIVER TO S. OF I-80	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cd:\pwwork\p\WIDOT\ABEBAWA\0169692\shd- plan.dgn	DRAWN -	REVISED -	55			99 (1&2) RS-12	WILL	110	38	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 60K04							
PLOT DATE = 2/11/2010	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
					SCALE:	SHEET NO. OF SHEETS		STA. TO STA.		



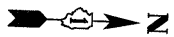
- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)



STRUCTURE NO.
099-0289
099-0010

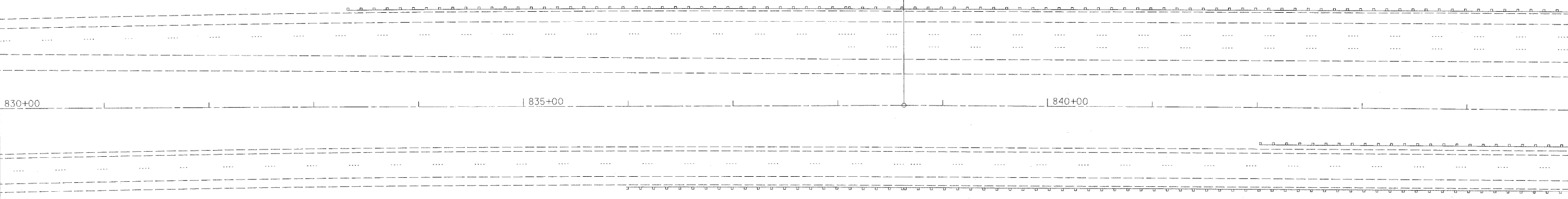
FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 55 KANKAKEE RIVER TO S. OF I-80	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca\pwork\pww\DOT\ABEBAWA\0169692\shd-plan.dgn	DRAWN -	REVISED -	55			99 (1&2) RS-12	WILL	110	39	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 60K04							
PLOT DATE = 2/11/2010	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
					SCALE:	SHEET NO. OF SHEETS		STA. TO STA.		



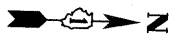
I-55

POT Sta. 838+63.07

MATCH LINE STA. 830+00



MATCH LINE STA. 845+00



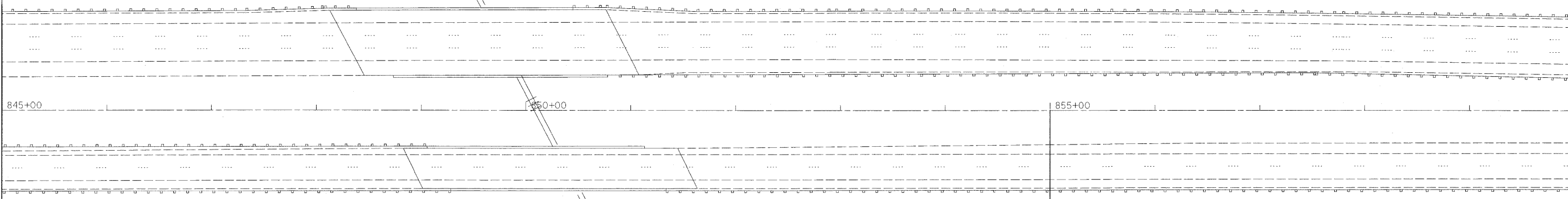
I-55

STRUCTURE NO.
099-0312
099-0313

NORTHEAST ILLINOIS RAIL

NORTHEAST ILLINOIS RAIL

MATCH LINE STA. 845+00



MATCH LINE STA. 860+00

**PROJECT ENDS:
STA. 855 + 00**

FILE NAME =
c:\pw_work\PWIDOT\ABEBAWA\d0169692\shht-plan.dgn

USER NAME = abebawa
DRAWN -
PLOT SCALE = 50.0000' / IN.
CHECKED -
PLOT DATE = 2/11/2010
DATE -

DESIGNED -
DRAWN -
CHECKED -
DATE -

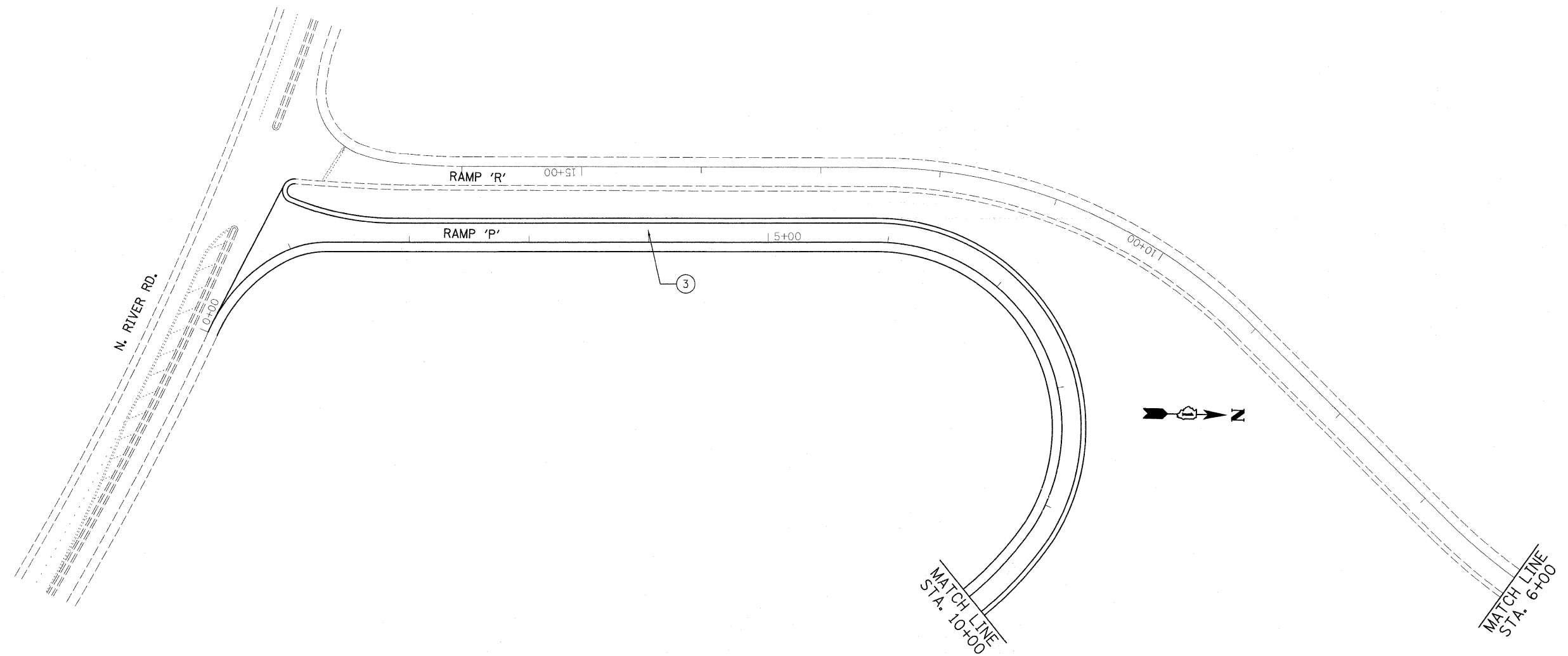
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL. ROUTE 55
KANKAKEE RIVER TO S. OF I-80

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1&2) RS-12	WILL	110	40
CONTRACT NO. 60K04				
ILLINOIS FED. AID PROJECT				



- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

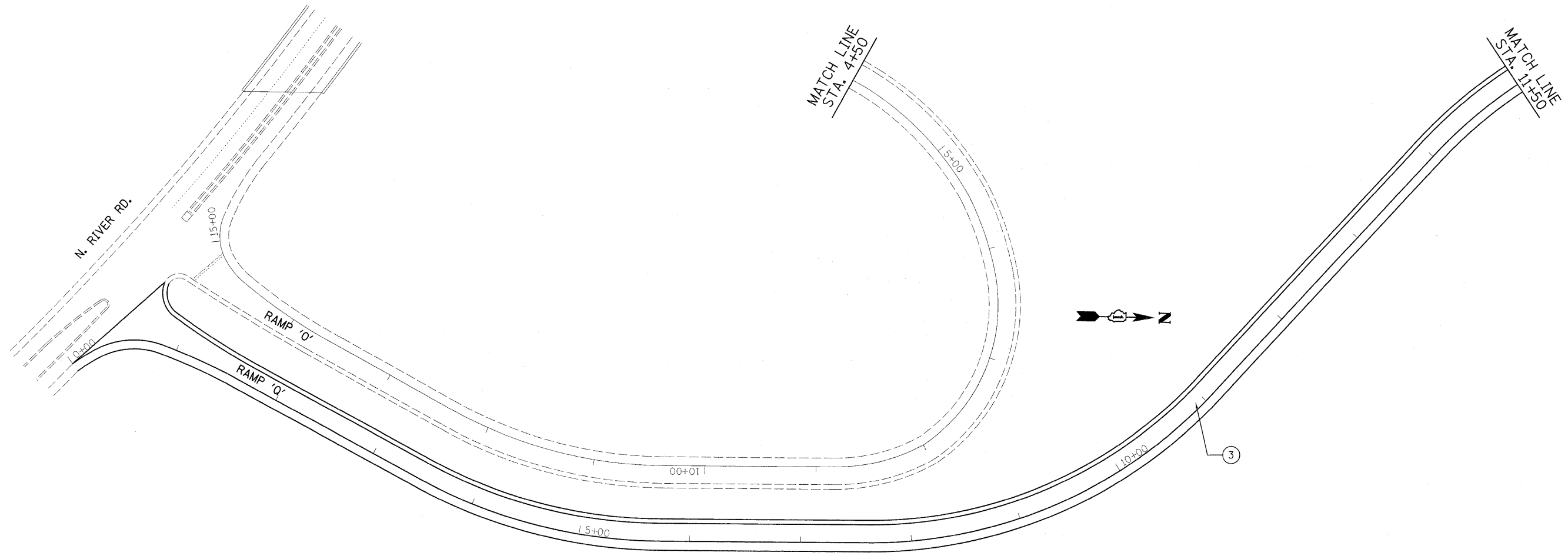
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PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 2/11/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL. ROUTE 55
KANKAKEE RIVER TO S. OF I-80

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1&2) RS-12	WILL	110	41
CONTRACT NO. 60K04				
ILLINOIS FED. AID PROJECT				



- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

FILE NAME =	USER NAME = abebewa	DESIGNED -	REVISED -
cs:\pw_work\pwwdot\abebewa\d8189692\shtrp\lndgn		DRAWN -	REVISED -
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 2/11/2010		DATE -	REVISED -

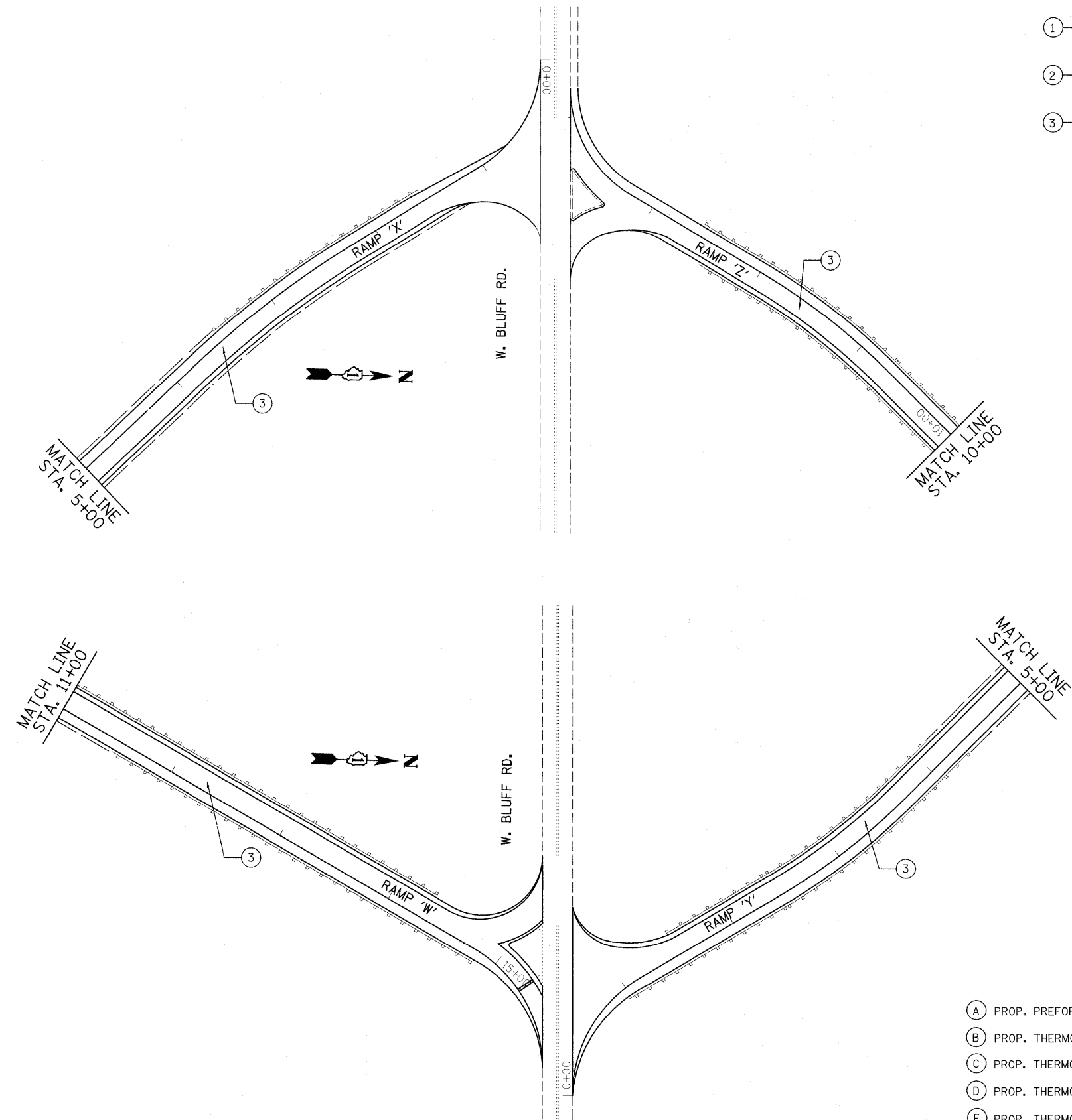
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL. ROUTE 55
KANKAKEE RIVER TO S. OF I-80

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1&2) RS-12	WILL	110	42
CONTRACT NO. 60K04				
ILLINOIS FED. AID PROJECT				

- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/2"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"



- (A) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -
ca\pv_work\pxidot\abebawa\d8169692\shtrp	len.dgn	DRAWN -	REVISED -
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/11/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

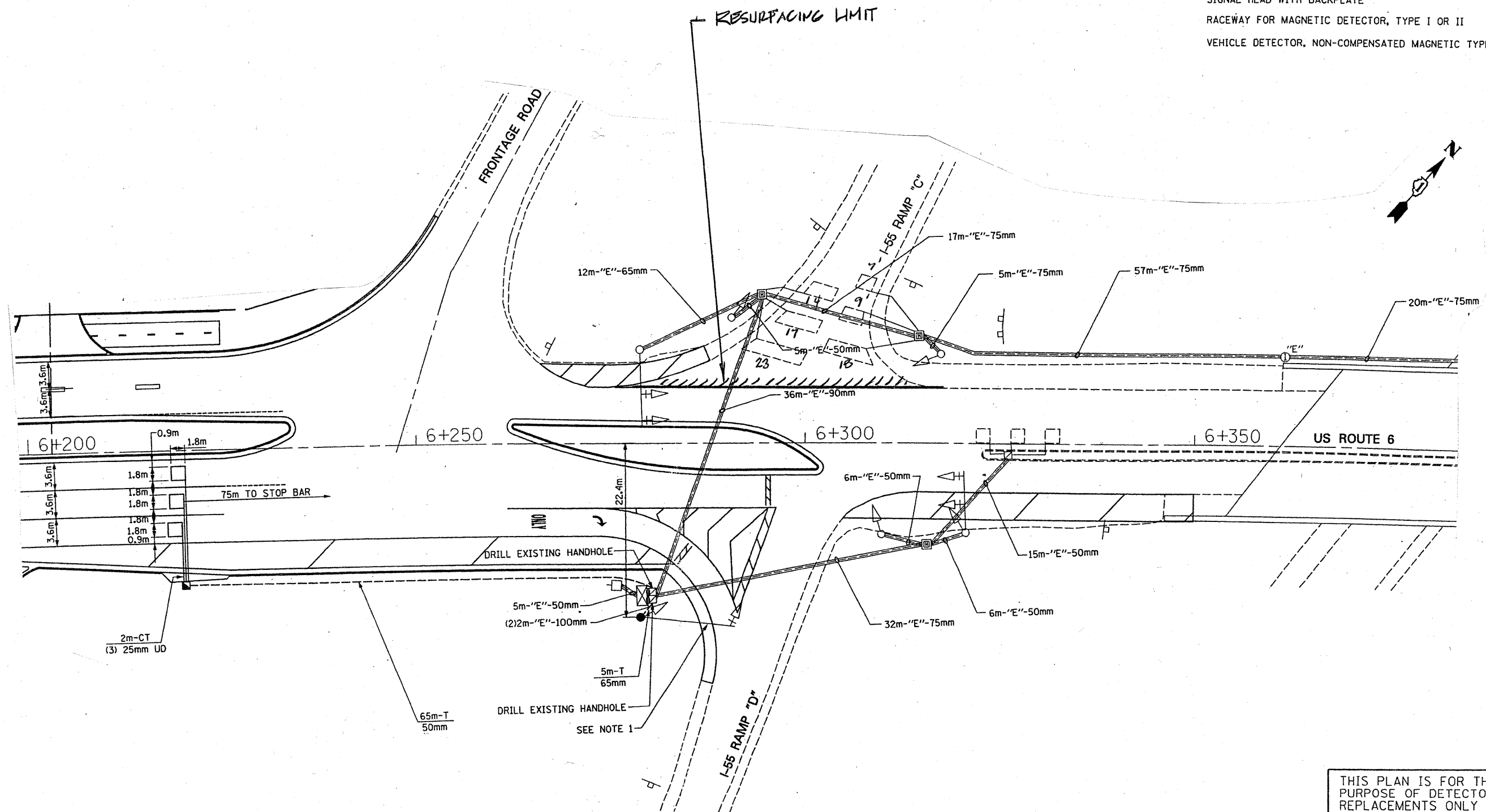
IL. ROUTE 55
KANKAKEE RIVER TO S. OF I-80

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1&2) RS-12	WILL	110	43
CONTRACT NO. 60K04				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
DETECTOR LOOP		
SIGNAL HEAD		
G.S. CONDUIT IN TRENCH OR PUSHED		
SIGNAL HEAD WITH BACKPLATE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR II		
VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE		



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

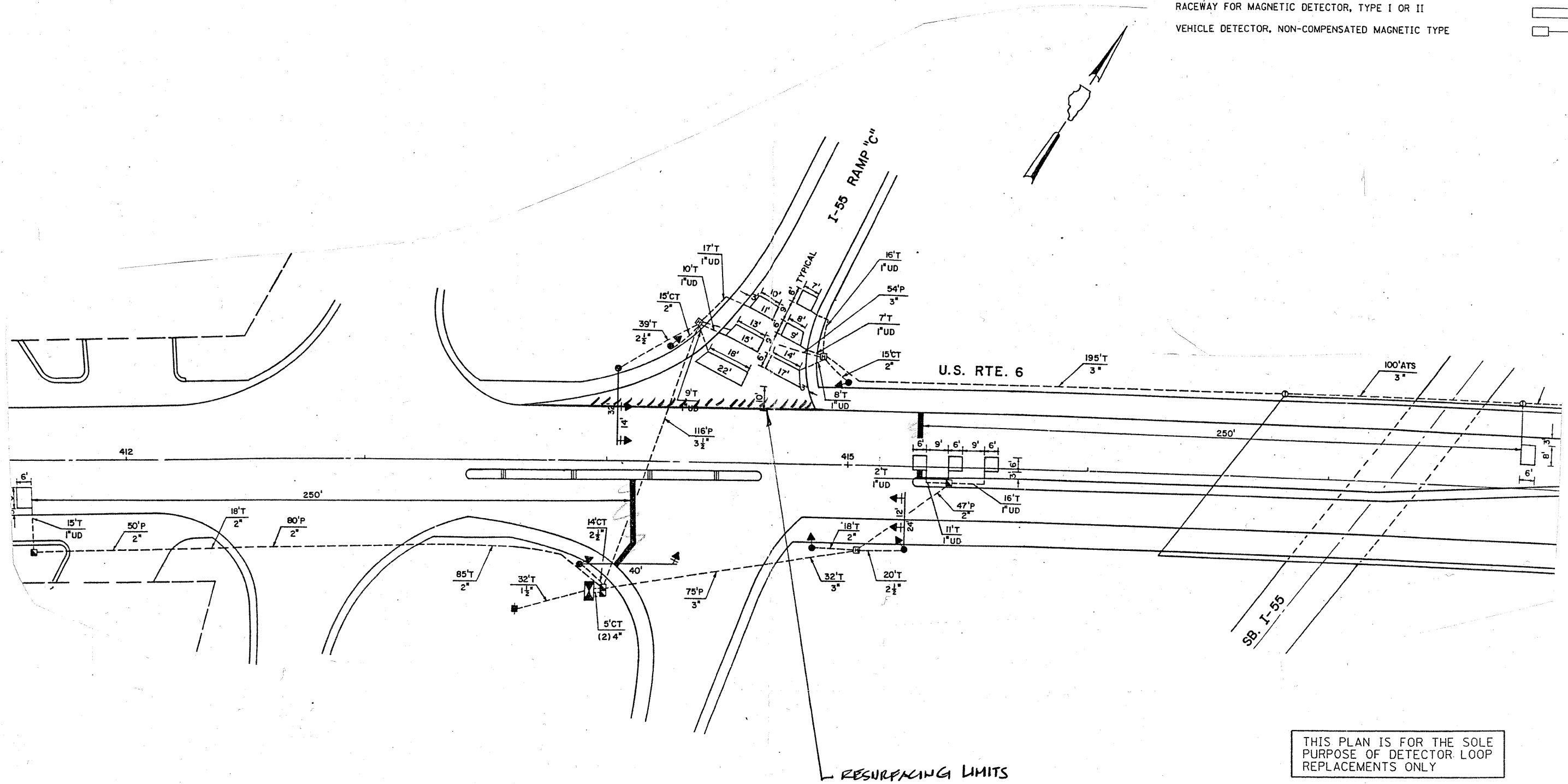
REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
86600600	250	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME =	USER NAME = kenthaphixaybc	DESIGNED - BCK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE - DETECTOR LOOP REPLACEMENT I-55 WEST RAMP @ U.S. ROUTE 6	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pv_work\VP\DOT\KANTHAPHIXAYBC\d01126	1\traffice\legend.v7.dgn	DRAWN - BCK	REVISED -			55	99 (1+2)	RS-12	WILL	110	44
	PLOT SCALE = 3/4" = 1' IN.	CHECKED - DAD	REVISED -			CONTRACT NO.					
	PLOT DATE = 4/3/2009	DATE -	REVISED -			601024					
				SCALE: NONE		SHEET NO.	OF	SHEETS	STA.	TO STA.	

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
DETECTOR LOOP	□	□
SIGNAL HEAD	—	—
G.S. CONDUIT IN TRENCH OR PUSHED	---	---
SIGNAL HEAD WITH BACKPLATE	—	—
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR II	—	—
VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE	—	—



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
86600600	242	FOOT	DETECTOR LOOP, REPLACEMENT

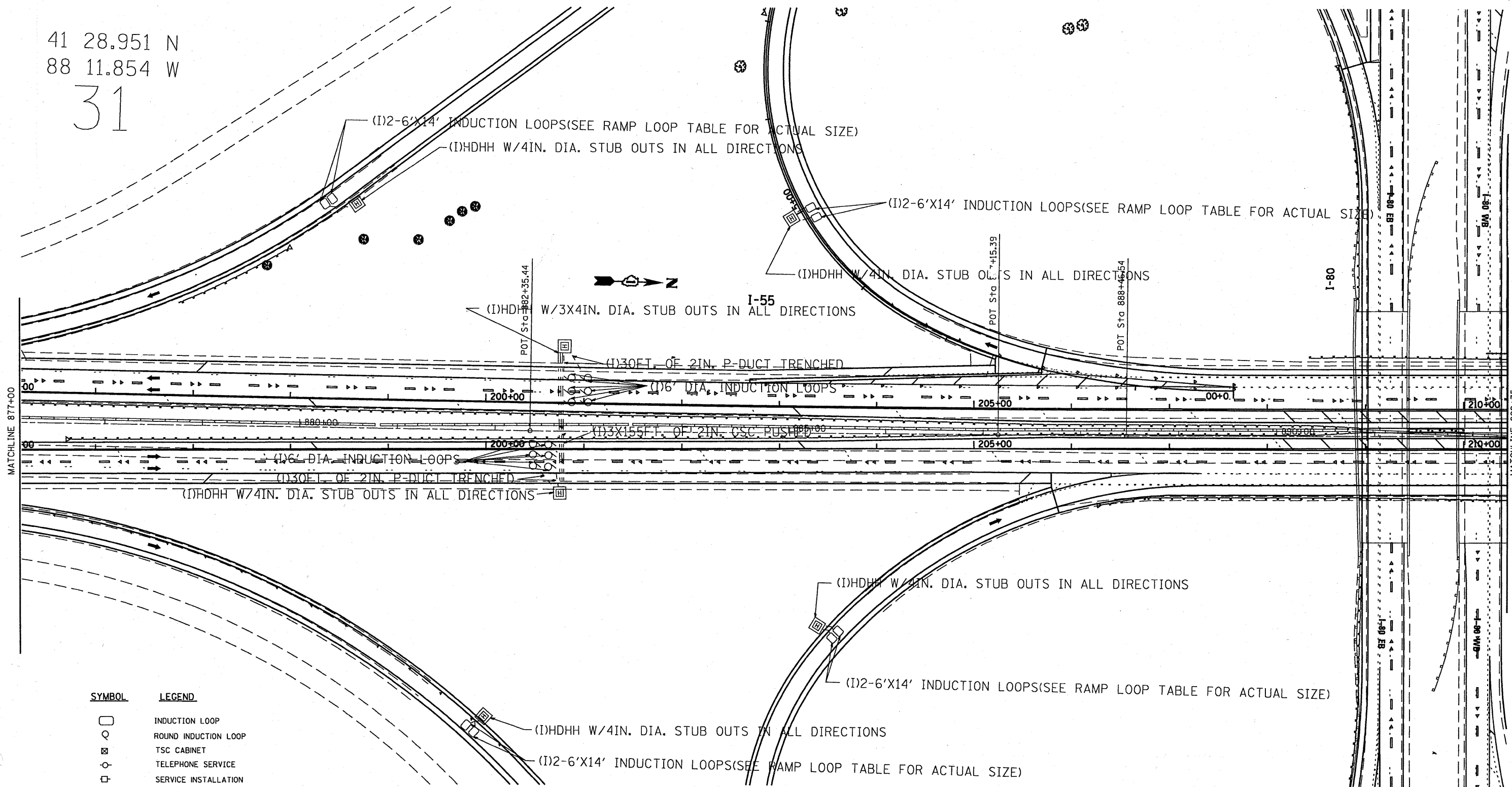
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ct:\pvt\work\p1\WIDOT\KANTHAPHIXAYBC\d01126	4\tr\ofic\legend.v7.dgn	DRAWN - BCK	REVISED -
	PLOT SCALE = 3/8" = 1' IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 4/3/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE - DETECTOR LOOP REPLACEMENT
I-55 EAST RAMP @ U.S. ROUTE 6

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1+2) RS-12	WILL	110	45
SCALE: NONE		SHEET NO. OF SHEETS		STA. TO STA.
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 60K04

41 28.951 N
88 11.854 W
31



SYMBOL	LEGEND
□	INDUCTION LOOP
○	ROUND INDUCTION LOOP
⊠	TSC CABINET
⊙	TELEPHONE SERVICE
⊞	SERVICE INSTALLATION
⊟	JUNCTION BOX
⊠	HEAVY DUTY HAND HOLE
---	POLYETHYLENE DUCT
---	GALVANIZED STEEL CONDUIT
(E)	EXISTING
(P)	PROPOSED
(I)	INSTALL
(R)	REMOVE

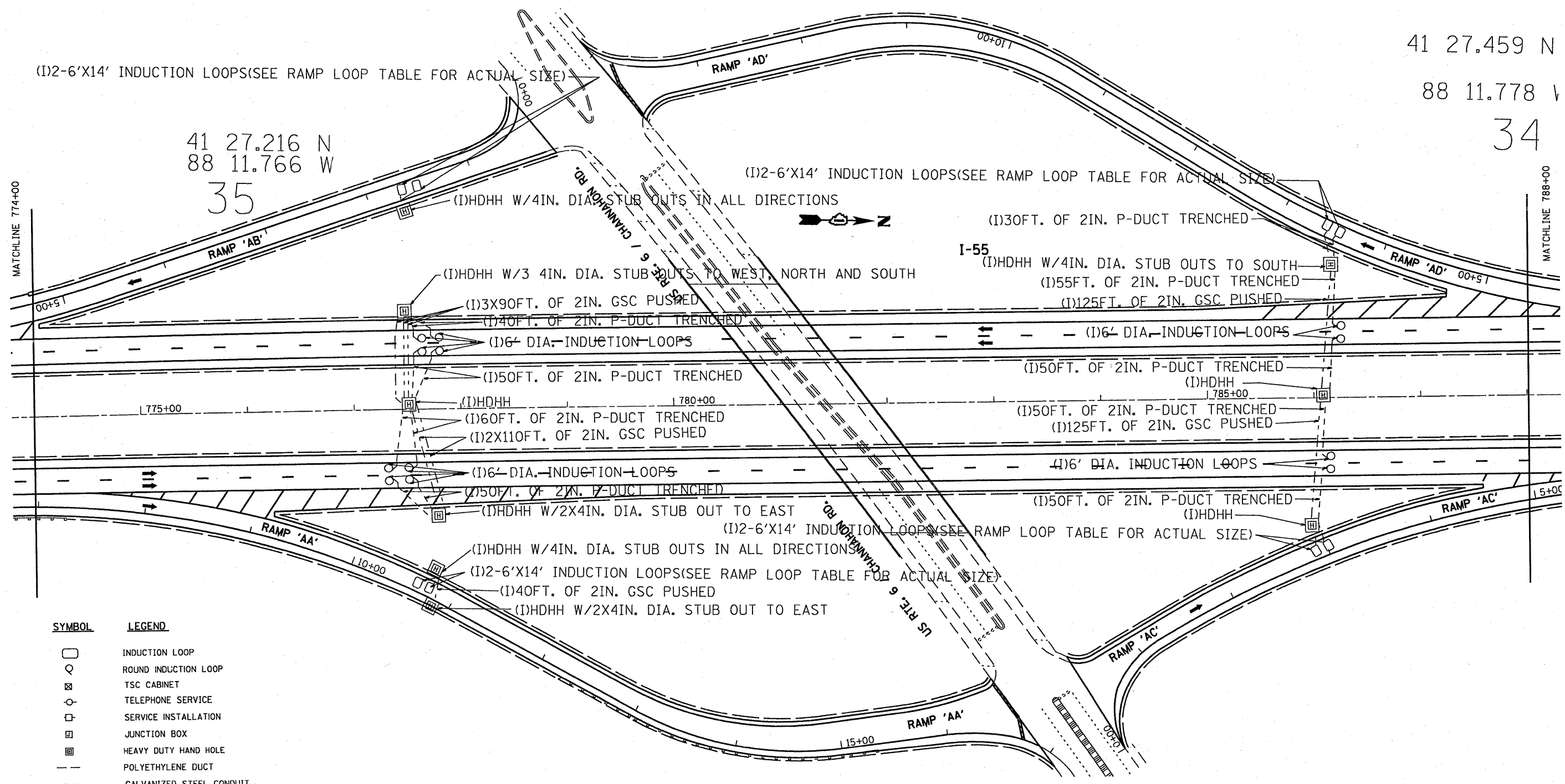
NOTE:

- COIL 150FT. OF LOOP WIRE IN ADJACENT HDHH.
- When two Loops are installed in one Lane, they shall be 16 feet apart Center to Center

Notes:

1. The contractor shall install 150 ft of coiled induction loop wire in the nearest Hand Hole. The cost shall be included in the Induction Loop Pay Item.

FILE NAME = C:\d06010\TSCSHEETS.dgn	USER NAME = mezog	DESIGNED - J.G.	REVISED - 03/02/2010	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SYSTEMS CENTER I-80 LOOP INSTALLATION			F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
	PLOT SCALE = 95.4583' / IN.	DRAWN - G.M.	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	55	99(1+2)	RS-12	Will	110	46
	PLOT DATE = 3/2/2010	CHECKED - J.G.	REVISED -													
		DATE - 02/09/2010	REVISED -													
											CONTRACT NO. 60K04		ILLINOIS FED. AID PROJECT			



41 27.459 N
88 11.778 W
34

41 27.216 N
88 11.766 W
35

SYMBOL	LEGEND
□	INDUCTION LOOP
○	ROUND INDUCTION LOOP
⊠	TSC CABINET
○	TELEPHONE SERVICE
□	SERVICE INSTALLATION
⊠	JUNCTION BOX
⊠	HEAVY DUTY HAND HOLE
---	POLYETHYLENE DUCT
---	GALVANIZED STEEL CONDUIT
(E)	EXISTING
(P)	PROPOSED
(I)	INSTALL
(R)	REMOVE

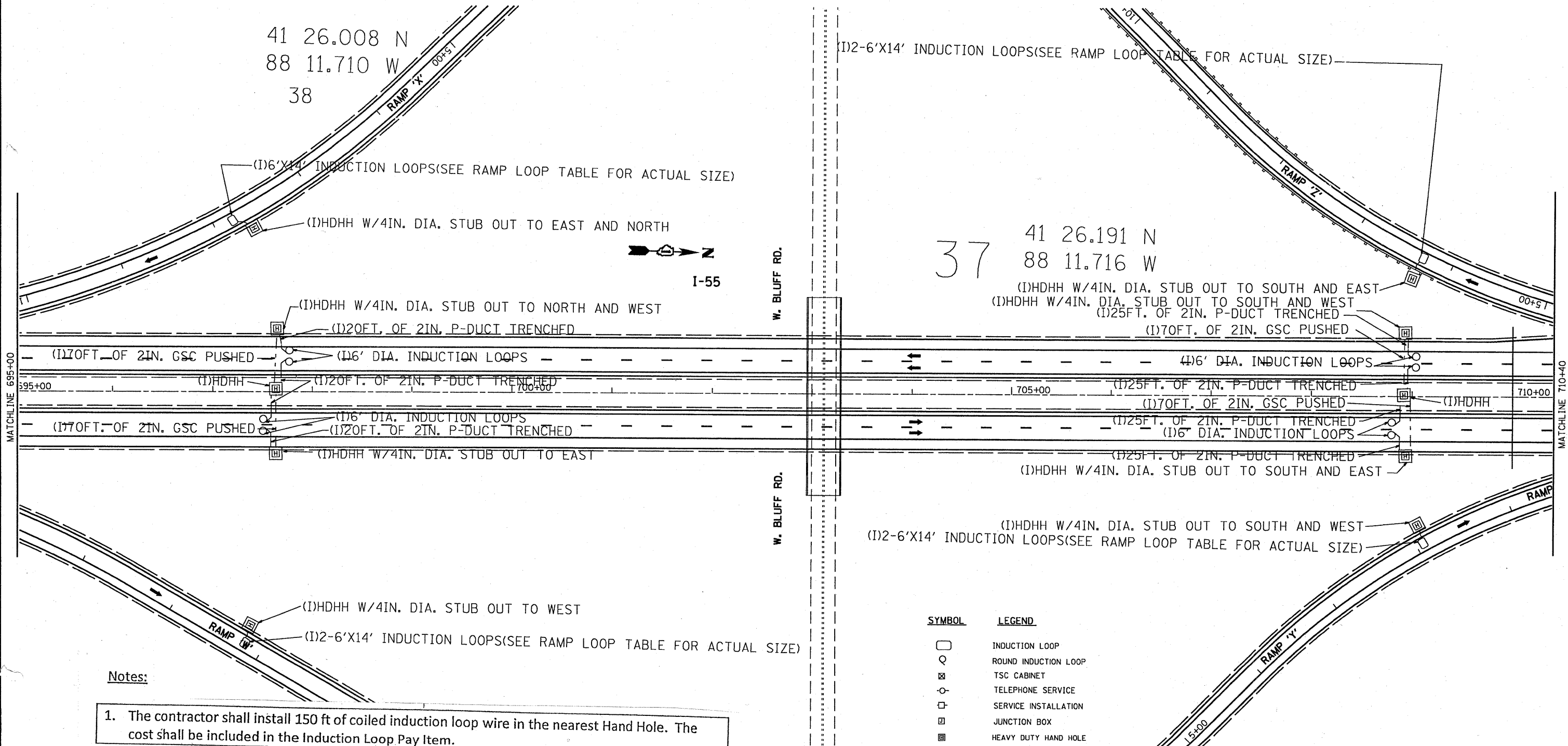
NOTE:
 - COIL 150FT. OF LOOP WIRE IN ADJACENT HDHH.
 - When two loops are installed in one lane, they shall be 16 feet apart center to center.

Notes:
 1. The contractor shall install 150 ft of coiled induction loop wire in the nearest Hand Hole. The cost shall be included in the Induction Loop Pay Item.

FILE NAME = C:\d106010\TSCSHEETS.dgn	USER NAME = mezag	DESIGNED - J.G.	REVISED - 03/02/2010	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SYSTEMS CENTER US RTE. 6/CHANNAHON. LOOP INSTALLATION			F.A.1 RTE. 55	SECTION 99(1+2)RS-12	COUNTY Will	TOTAL SHEETS 110	SHEET NO. 47
PLOT SCALE = 95.4583' / IN.		CHECKED - J.G.	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT				
PLOT DATE = 3/2/2010		DATE - 02/09/2010	REVISED -					CONTRACT NO. 60K04				

41 26.008 N
88 11.710 W
38

37 41 26.191 N
88 11.716 W



Notes:

1. The contractor shall install 150 ft of coiled induction loop wire in the nearest Hand Hole. The cost shall be included in the Induction Loop Pay Item.

NOTE:

- COIL 150FT. OF LOOP WIRE IN ADJACENT HDHH.
- When two loops are installed in one Lane, they shall be 16 feet apart Center to Center

SYMBOL	LEGEND
□	INDUCTION LOOP
○	ROUND INDUCTION LOOP
⊗	TSC CABINET
⊙	TELEPHONE SERVICE
⊠	SERVICE INSTALLATION
⊞	JUNCTION BOX
⊞	HEAVY DUTY HAND HOLE
---	POLYETHYLENE DUCT
---	GALVANIZED STEEL CONDUIT
(E)	EXISTING
(P)	PROPOSED
(I)	INSTALL
(R)	REMOVE

FILE NAME = C:\d106010\TSCSHEETS.dgn	USER NAME = mezeg	DESIGNED - J.G.	REVISED - 03/02/2010	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SYSTEMS CENTER W. BLUFF RD. LOOP INSTALLATION			F.A.1 RTE. 55	SECTION 99(1+2)RS-12	COUNTY Will	TOTAL SHEETS 110	SHEET NO. 49
	PLOT SCALE = 95.4583' / IN.	DRAWN - G.M.	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60K04	
	PLOT DATE = 3/2/2010	CHECKED - J.G.	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 02/08/2010	REVISED -									

MATCHLINE 526+00

MATCHLINE 541+00

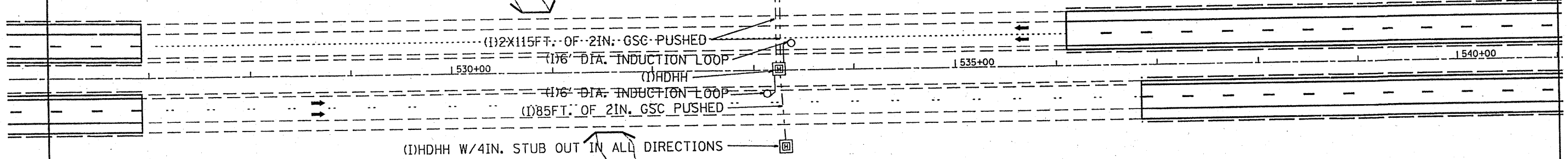
41 23.296 N
88 11.578 W

I-55



(I)HDHH AND TYPE 334 CAB. FOUNDATION (ATTACHED TOGETHER) W/2X4IN. STUB OUTS TO ALL DIRECTIONS

44



SYMBOL	LEGEND
	INDUCTION LOOP
	ROUND INDUCTION LOOP
	TSC CABINET
	TELEPHONE SERVICE
	SERVICE INSTALLATION
	JUNCTION BOX
	HEAVY DUTY HAND HOLE
	POLYETHYLENE DUCT
	GALVANIZED STEEL CONDUIT
(E)	EXISTING
(P)	PROPOSED
(I)	INSTALL
(R)	REMOVE

Notes:

1. The contractor shall install 150 ft of coiled induction loop wire in the nearest Hand Hole. The cost shall be included in the Induction Loop Pay Item.

FILE NAME = C:\d106010\TSCSHEETS.dgn	USER NAME = mezag	DESIGNED - J.G.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SYSTEMS CENTER STA. 533+00 LOOP INSTALLATION		F.A. I RTE. 55	SECTION 99 (1+2) RS-12	COUNTY W. IL	TOTAL SHEETS 110	SHEET NO. 50
	PLOT SCALE = 100.0041' / IN.	DRAWN - G.M.	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 60K04			
PLOT DATE = 2/9/2010	CHECKED - J.G.	DATE - 02/08/2010	REVISED -								

41 22.867 N
88 11.572 W

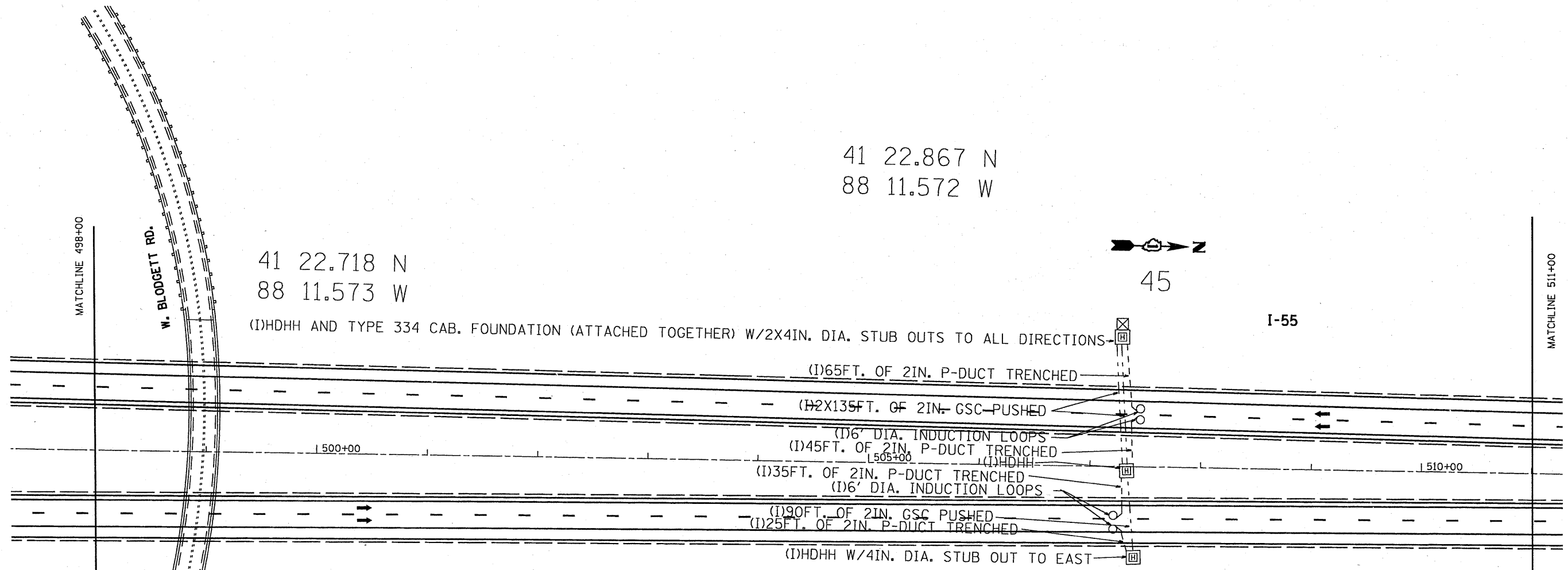
41 22.718 N
88 11.573 W

(I)HDHH AND TYPE 334 CAB. FOUNDATION (ATTACHED TOGETHER) W/2X4IN. DIA. STUB OUTS TO ALL DIRECTIONS-



45

I-55



Notes:

1. The contractor shall install 150 ft of coiled induction loop wire in the nearest Hand Hole. The cost shall be included in the Induction Loop Pay Item.

NOTE:

- COIL 150FT. OF LOOP WIRE IN ADJACENT HDHH.
- When two loops are installed in one, they shall be 16 feet apart center to center.

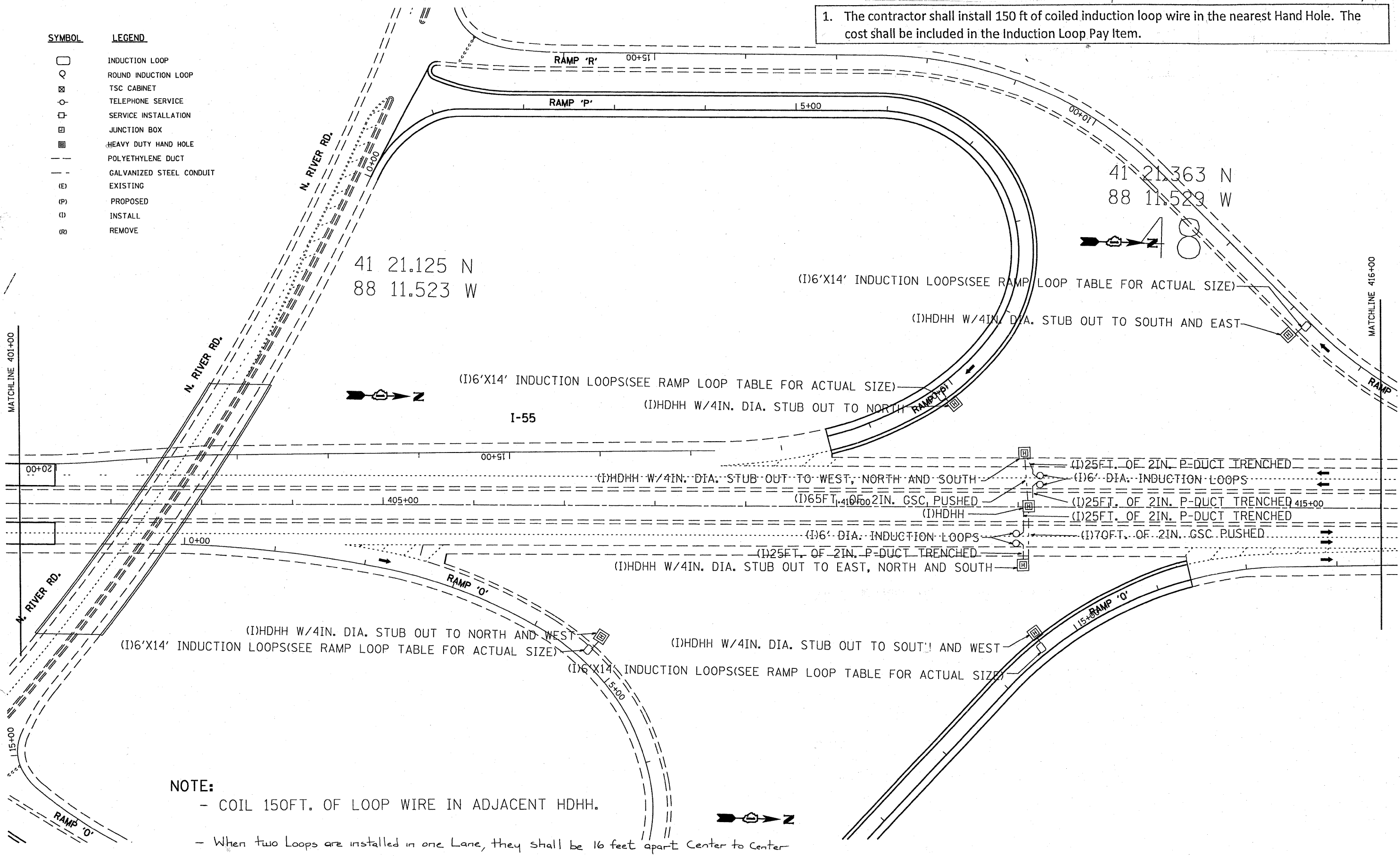
SYMBOL	LEGEND
□	INDUCTION LOOP
○	ROUND INDUCTION LOOP
⊗	TSC CABINET
⊙	TELEPHONE SERVICE
⊠	SERVICE INSTALLATION
⊞	JUNCTION BOX
⊞	HEAVY DUTY HAND HOLE
---	POLYETHYLENE DUCT
---	GALVANIZED STEEL CONDUIT
(E)	EXISTING
(P)	PROPOSED
(I)	INSTALL
(R)	REMOVE

FILE NAME = C:\vd106810\TSCSHEETS.dgn	USER NAME = maxog	DESIGNED - J.G.	REVISED - 03/02/2010	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SYSTEMS CENTER BLODGETT RD. LOOP INSTALLATION		F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 95.4583' / IN.	DRAWN - G.M.	REVISED -		55	99(1+2)RS-12	W.II	110	51		
PLOT DATE = 3/2/2010	CHECKED - J.G.	REVISED -	REVISED -	SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 60KD		

Notes:

1. The contractor shall install 150 ft of coiled induction loop wire in the nearest Hand Hole. The cost shall be included in the Induction Loop Pay Item.

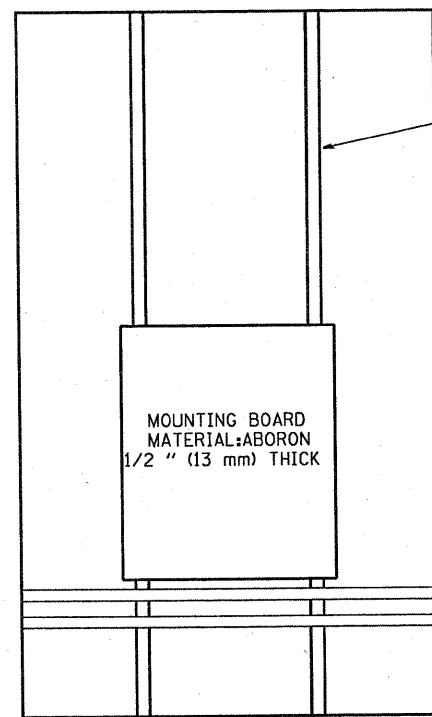
SYMBOL	LEGEND
	INDUCTION LOOP
	ROUND INDUCTION LOOP
	TSC CABINET
	TELEPHONE SERVICE
	SERVICE INSTALLATION
	JUNCTION BOX
	HEAVY DUTY HAND HOLE
	POLYETHYLENE DUCT
	GALVANIZED STEEL CONDUIT
(E)	EXISTING
(P)	PROPOSED
(I)	INSTALL
(R)	REMOVE



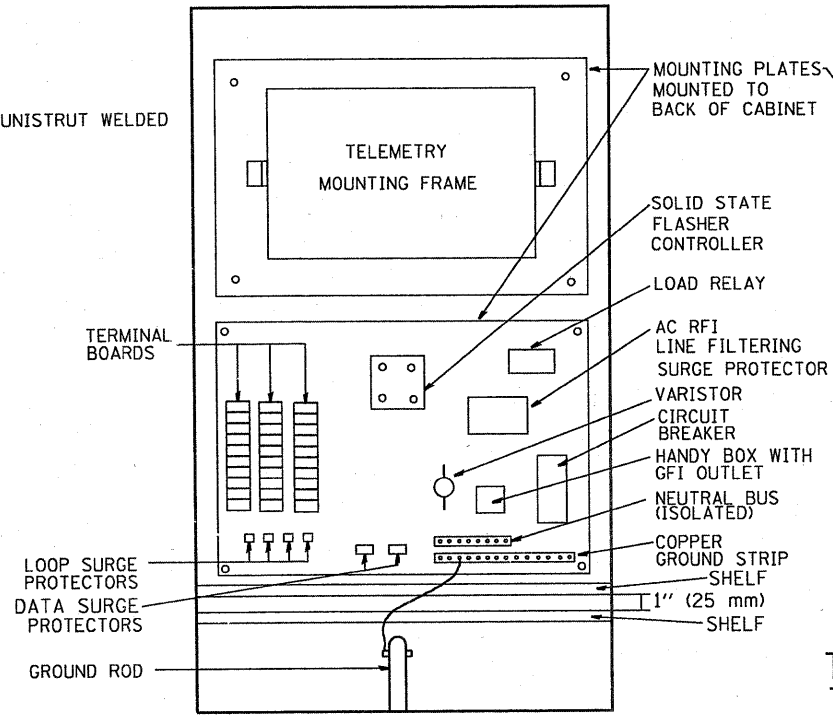
NOTE:

- COIL 150FT. OF LOOP WIRE IN ADJACENT HDHH.
- When two Loops are installed in one Lane, they shall be 16 feet apart Center to Center

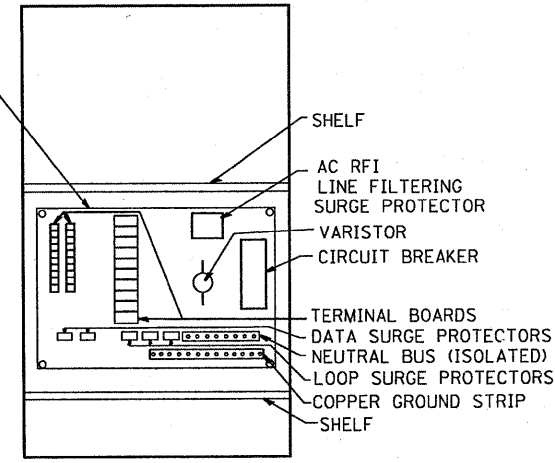
FILE NAME = C:\d196810\TSCSHEETS.dgn	USER NAME = mezoq	DESIGNED - J.G.	REVISED - 03/02/2010	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SYSTEMS CENTER N. RIVER RD. LOOP INSTALLATION			F.A.I. RTE. 55	SECTION 99(1+2)RS-12	COUNTY Will	TOTAL SHEETS 110	SHEET NO. 52
PLOT SCALE = 95.4583' / IN.	CHECKED - J.G.	DATE - 02/08/2010	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 60K04		
PLOT DATE = 3/2/2010	DATE - 02/08/2010	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							



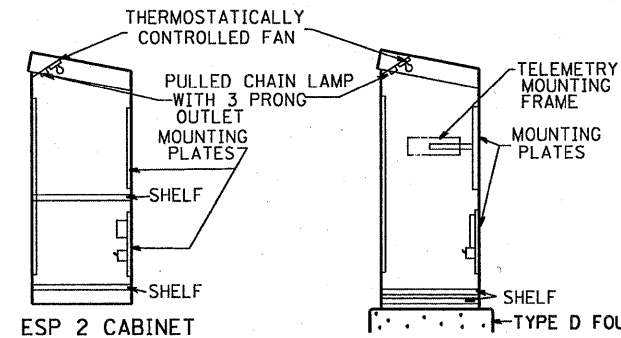
SIDE VIEW ESP 3 & 4 CABINET



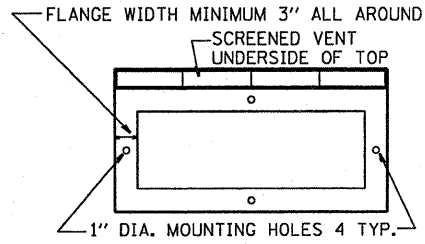
ESP 3 CABINET



ESP 2 CABINET



PROFILE VIEWS



BOTTOM VIEW MOUNTING PATTERN

TYPICAL CABINET INTERIORS
STANDARD TRAFFIC SYSTEMS CENTER CABINETS

TYPE	HEIGHT (IN-mm)	WIDTH (IN-mm)	DEPTH (IN-mm)	THICKNESS (IN-mm)	MATERIAL
ESP1	22.5" (571.5 mm)	14.25" (361.95mm)	9.75" (247.65mm)	3/16" (4.76mm)	FABRICATED ALUMINUM
ESP2	36" (914.4mm)	20" (508.0mm)	15" (381.0mm)	73/16" (4.76mm)	FABRICATED ALUMINUM
ESP3	49.5" (1.26 m)	30" (762.0mm)	17" (431.8mm)	3/16" (4.76mm)	FABRICATED ALUMINUM
ESP4	55" (1.4 m)	44" (1.12 m)	26" (660.4mm)	3/16" (4.76mm)	FABRICATED ALUMINUM

NOTES:

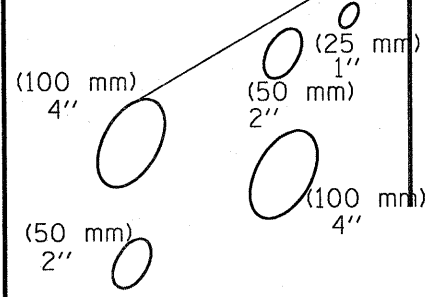
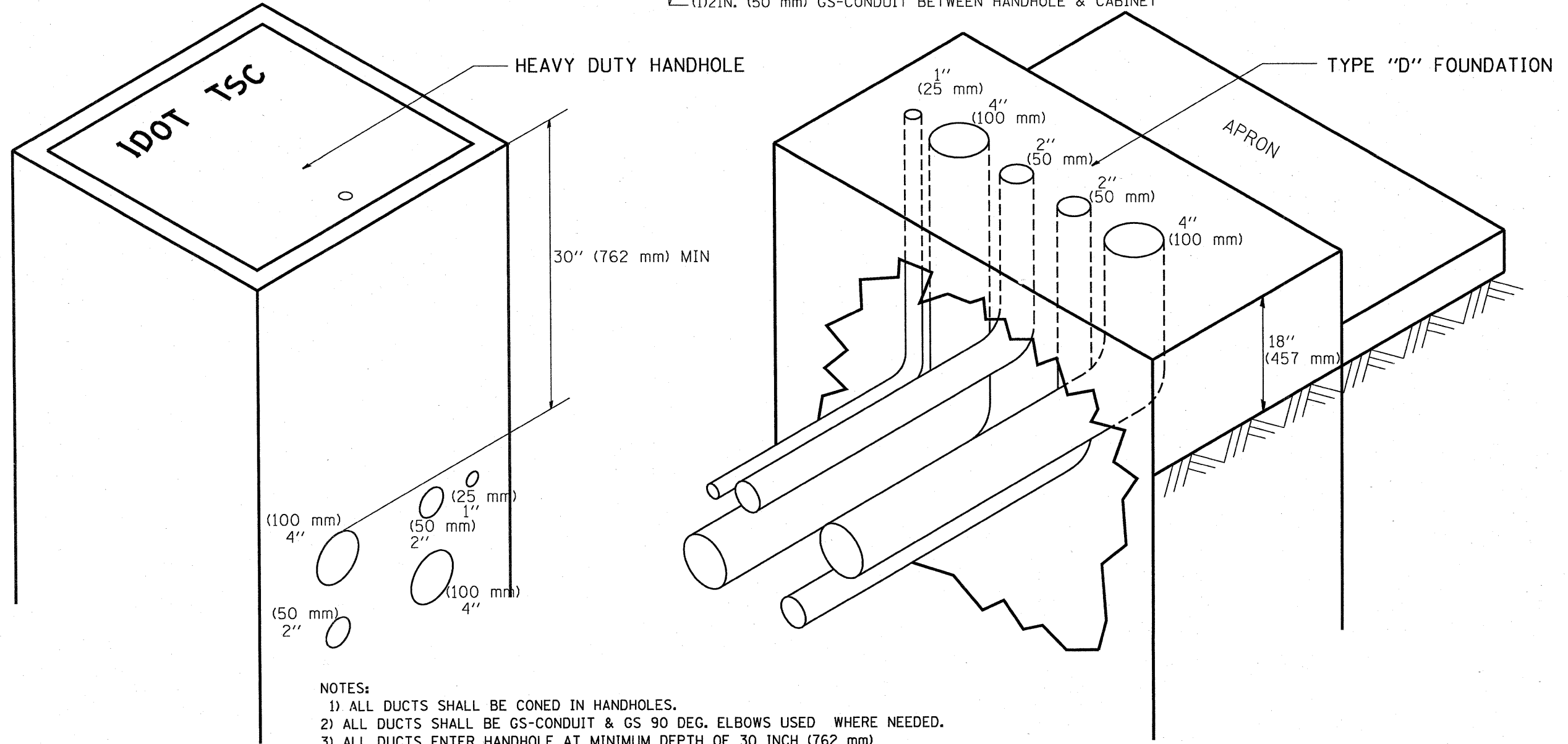
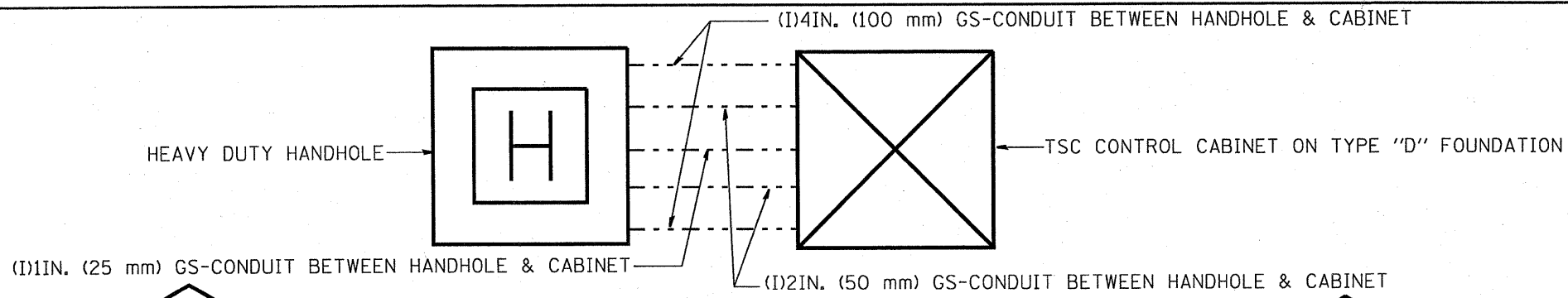
- CABINETS, CABINET POSTS AND CABINET PEDESTALS SHALL BE PRIMED AND PAINTED IN ACCORDANCE WITH SECTION T637 OF THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS". THE FINAL COAT SHALL BE (X) IN COLOR. THE INTERIOR SHALL BE PAINTED WHITE. SIGNAL POSTS AND HEADS TO BE FEDERAL YELLOW 89-19(MAUTZ).
- CABINETS SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE PORTIONS OF SECTION T400 OF THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS".
- ALL CABINETS WHICH ARE SERVICED BY 117 VOLTS A.C. POWER SHALL BE EQUIPPED WITH A 10 AMP CIRCUIT BREAKER, A.C. R.F.I. LINE FILTERING SURGE PROTECTOR, VARISTOR, DATA SURGE AND LOOP SURGE PROTECTORS AS INCIDENTAL TO THE COST OF THE CABINET. CMS CABINETS TYPE IV SHALL HAVE A 60 AMP. CIRCUIT BREAKER MINIMUM.
- ESP 2/3/4 CABINETS SHALL BE FITTED WITH A THERMOSTATICALLY CONTROLLED FAN. IT SHALL BE MOUNTED AT THE TOP OF THE CABINET. THE FAN SHALL BE CAPABLE OF OPERATING AT 130 CPM AT 160' (48.8 m) OF STATIC WATER PRESSURE. A PORCLAIN BASED PULL CHAIN FIXTURE WITH 3 PRONG OUTLET SHALL ALSO BE PROVIDED.
- RAMP METERING ESP 3 TYPE CABINETS SHALL ALSO BE EQUIPPED WITH A LOAD RELAY AND 2 CIRCUIT FLASHER. LAMPS, FAN, LOAD RELAY, AND 2 CIRCUIT FLASHER SHALL BE INCIDENTAL TO THE COST OF THE CABINET
- INCIDENTAL TO THE COST OF EACH CABINET THE CONTRACTOR SHALL CONSTRUCT A 5 INCH (130mm) PCC SIDEWALK OF A RECTANGULAR AREA 3 FEET (915 mm) BY 4 FEET (1.25 m) IMMEDIATELY ADJACENT TO THE CABINET FOUNDATION ON THE SAME SIDE OF THE FOUNDATION AS THE CABINET DOOR TO PROVIDE FOOTING DURING INSTALLATION AND MAINTENANCE.
- ANCHOR BOLTS FOR PEDESTAL AND BASE MOUNTED CABINETS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CABINET.
- ALL CABINETS SHALL HAVE TERMINAL BLOCKS AND SHELVES AS SHOWN. THESE ITEMS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CABINET.
- THE CABINET DOOR SHALL BE HINGED ON THE RIGHT SIDE WHEN FACING THE CABINET. THE DOOR SHALL BE FURNISHED WITH A GASKET THAT SHALL FORM A WEATHER TIGHT SEAL BETWEEN THE CABINET AND DOOR. THE HINGES SHALL BE CONTINUOUS AND BOLTED TO THE CABINET AND DOOR UTILIZING 1/4-20 STAINLESS STEEL CARRIAGE BOLTS AND NY-LOCK NUTS. THE HINGES WILL BE MADE OF STAINLESS STEEL WITH A 0.25 INCH (6.35 mm) DIAMETER STAINLESS STEEL HINGE PIN. THE HINGE PIN SHALL BE CAPPED TOP AND BOTTOM BY WELD TO RENDER IT TAMPER PROOF.
- THE LATCHING MECHANISM SHALL BE A 3 POINT DRAW ROLLER TYPE. THE CENTER CATCH AND PUSHRODS SHALL BE EITHER CADMIUM OR ZINC PLATED, TYPE II CLASS I. PUSHRODS WILL BE TURNED EDGEWISE AT THE OUTWARD SUPPORTS AND SHALL BE 0.25 INCH (6.35 mm) BY 0.75 INCH (19.05 mm), MINIMUM. ROLLERS SHALL HAVE A MINIMUM DIAMETER OF 0.875 INCH (22.22 mm) AND WILL BE MADE OF NYLON. THE CENTER CATCH SHALL BE FABRICATED FROM 0.14 INCH (3.55 mm) STEEL, MINIMUM. WHEN THE DOOR IS CLOSED AND LATCHED, IT WILL BE LOCKED. THE LATCHING HANDLE SHALL HAVE A PROVISION FOR PADLOCKING IN THE CLOSED POSITION. AN OPERATING HANDLE SHALL BE FURNISHED WITH EACH LOCK. THE HANDLE WILL BE STAINLESS STEEL WITH A 0.75 INCH (19.05 mm) DIAMETER SHANK.
- THE ENCLOSURE SHALL BE EQUIPPED WITH TWO ADJUSTABLE "C" MOUNTING CHANNELS WELDED ON BOTH SIDE WALLS AND BACK WALL OF THE ENCLOSURE, ALLOWING VERSATILE POSITIONING OF SHELVES OR PANELS. MOUNTING CHANNELS SHALL BE FACTORY PAINTED SAME COLOR AS INTERIOR OF CABINET.
- CABINET DOOR SHALL NOT HAVE COMPARTMENT DOORS OR LOUVERS.
- ALL FIELD CABINETS SHALL BE FITTED WITH BRASS LOCKS.
- ESP TYPE 2 & 3 CABINETS FITTED WITH TWO SHELVES AS SHOWN.
- POST TOP MOUNTED CABINETS, SHALL HAVE A 0.25 INCH (6.3 mm) BOTTOM OF CABINET WELDED.
- THE CONTROL CABINET SHALL BE SET PLUMB ON THE FOUNDATION AND FASTENED TO THE ANCHOR BOLTS WITH NUTS AND WASHERS, FLAT WASHERS SHALL BE INSTALLED BELOW AND ABOVE THE BASE PLATE OF THE CONTROL CABINET. LOCKWASHERS SHALL BE INSTALLED ON TOP OF THE TOP FLAT WASHER.

- EDENS
- KENNEDY
- EISENHOWER
- I-290/IL53/I-355
- RYAN
- I-55
- I-57
- CAL-KING
- LAKE SHORE DR.
- I-80
- WALNUT
- BLUE STREAK **
- CARIBBEAN BLUE *
- POST OFFICE BLUE **
- YELLOW STONE II **
- MEDIUM BRONZE *
- RED BARON **
- BLUE STREAK **
- GREEN *
- STATUARY BRONZE **

ALL RAMP METERING CABINETS LIME GREEN ***. ALL POSTS, T.S. HEADS AND SERVICES WILL BE PAINTED FEDERAL YELLOW. * MORTON POWDER PAINT COLOR OR EQUIVALENT. ** O'BRIEN POWDER PAINT COLOR OR EQUIVALENT. *** BENJAMIN MOORE ENAMEL COLOR OR EQUIVALENT.

NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR CONFORMING TO COLOR REQUIREMENTS

FILE NAME =	USER NAME = mezag	DESIGNED - R.L.	REVISED - 12/94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	CABINET DETAIL SHEET	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
C:\Projects\TSC\TYPICALS\TSC\TYP08.dgn		DRAWN - G.M.	REVISED - 09/96			55	99 (12) RS-12	Will	110	53	
PLOT SCALE = 100.0000' / IN.		CHECKED - R.L.	REVISED - 02/98			SCALE: NONE	SHEET NO. OF SHEETS	STA.	TO STA.	CONTRACT NO. 60K04	
PLOT DATE = 2/8/2010		DATE - 06/21/94	REVISED - 03/99			TRAFFIC SYSTEMS CENTER (TY-1TSC-400#4)		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



- NOTES:
- 1) ALL DUCTS SHALL BE CONED IN HANDHOLES.
 - 2) ALL DUCTS SHALL BE GS-CONDUIT & GS 90 DEG. ELBOWS USED WHERE NEEDED.
 - 3) ALL DUCTS ENTER HANDHOLE AT MINIMUM DEPTH OF 30 INCH (762 mm)
 - 4) ALL HANDHOLE COVERS SHALL READ "IDOT TSC".
 - 5) ALL CABINET HANDHOLES SHALL BE HEAVY DUTY.
 - 6) DUCTS SHALL BE CENTERED IN CABINET FOUNDATION/HANDHOLE AS SHOWN.
 - 7) CONDUITS SHALL BE SPACED 305 mm (1 FOOT) CENTER TO CENTER IN HEAVY DUTY HANDHOLE.
 - 8) INSTALL 3/4" X 10' (20 mm X 3 m) COPPER CLAD STEEL GROUND ROD IN HDHH PROVIDED AS CABINET PAD. EXOTHERMIC WELD CONNECTION FROM GROUND ROD TO #6 GROUND WIRE INSULATED (GREEN).
 - 9) BOND ALL GSC CONDUITS IN CABINET FOUNDATION.
 - 10) INSTALL #6 GROUND WIRE IN 1IN. (25 mm) GSC FROM HANDHOLE TO CABINET.
 - 11) TYPE "D" FOUNDATION SHALL BE 18" FROM TOP OF FOUNDATION TO FINISHED GRADE.

FILE NAME = C:\d186210\155TCTYP.dgn	USER NAME = mozeg	DESIGNED - R.L.	REVISED - 09/96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	CABINET - HANDHOLE CONDUIT DETAIL	F.A. / RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 "/ IN.	CHECKED - R.L.	REVISED - 03/99			55	99 (1+2)	25-12	Will	110
PLOT DATE = 2/8/2010	DATE - 06/05/95	REVISED - 04/99	REVISED -	SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 601004				

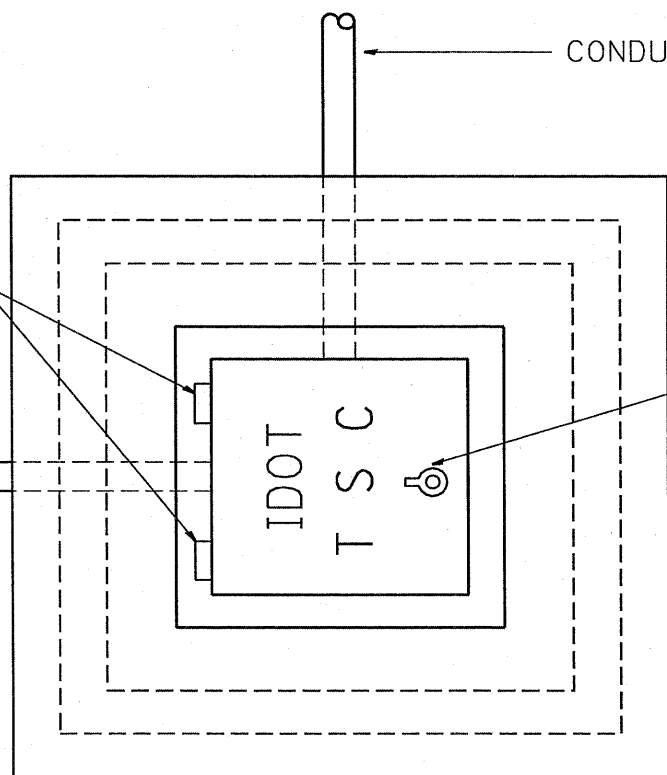
TRAFFIC SYSTEMS CENTER (TY-1TSC-400#11)

TYPE "T" HINGES REQUIRED ONLY ON
ON HEAVY DUTY SPECIAL.

CONDUIT TYP.

CONDUIT TYP.

TYPE "G" HANDLE FOR BOTH HDHH AND HDHH SPECIAL

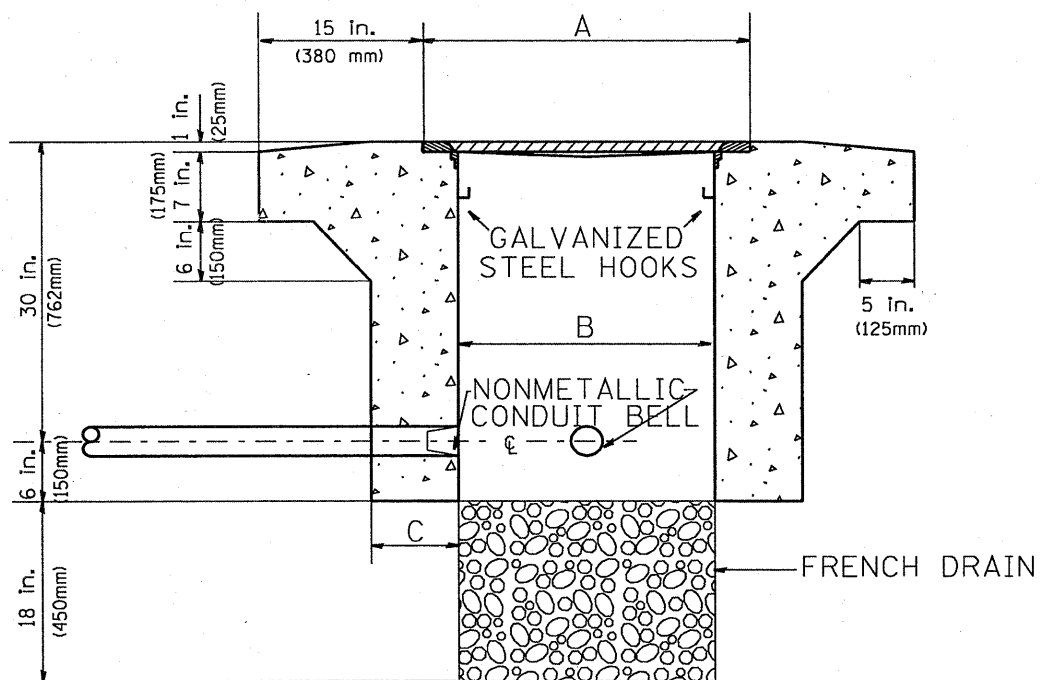


PLAN

HEAVY DUTY HANDHOLE MINIMUM DIMENSIONS (UNHINGED)

A	28" (711 mm)
B	22" (559 mm)
C	8" (200 mm)

(FRAME AND COVER 260 LBS. (118 Kg.) MIN.)



ELEVATION

HEAVY DUTY HANDHOLE SPECIAL MINIMUM DIMENSIONS

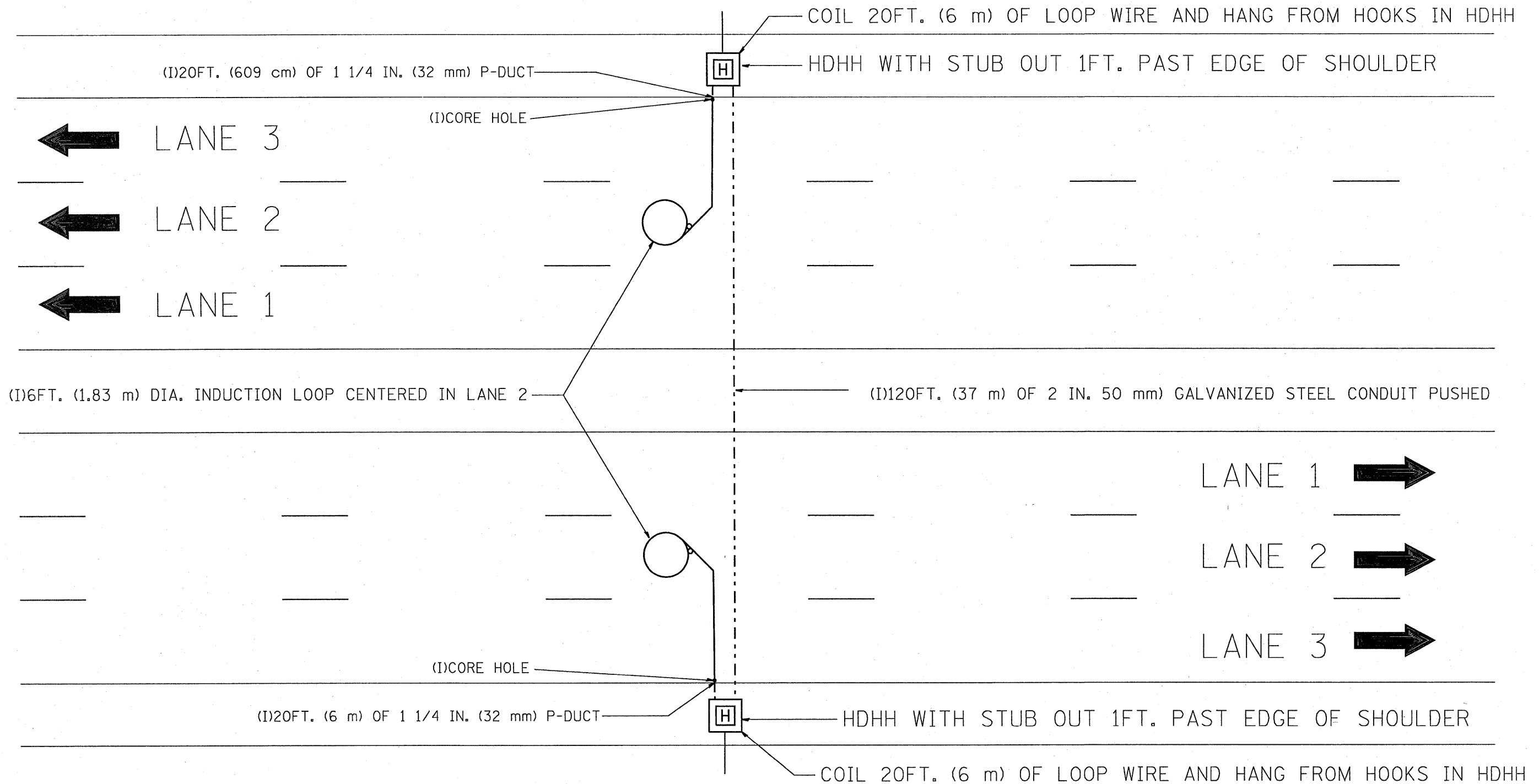
A	31.5" (800 mm)
B	30" (762 mm)
C	10" (250 mm)

(FRAME AND COVER 405 LBS. (184 Kg. (405))

PC CONCRETE - HEAVY DUTY HAND HOLE

FILE NAME = C:\d106010\155TSC TYP.dgn	USER NAME = mezag	DESIGNED - RL.	REVISED - 04/97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	PC CONCRETE - HEAVY DUTY HAND HOLE			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
	PLOT SCALE = 100.0000' / IN.	DRAWN - G.M.	REVISED -		SCALE: NONE	SHEET NO.	OF	SHEETS	STA.	TO STA.	55	99 (1+2) RS-12	Will	110	55
	PLOT DATE = 2/8/2010	CHECKED - RL.	REVISED -												
		DATE - 09/11/96	REVISED -												CONTRACT NO. 60K04
											ILLINOIS FED. AID PROJECT				

TRAFFIC SYSTEMS CENTER (TY-1TSC-400#15)



NOTE:

THE COST OF LOOP WIRE IN HDHH IS INCIDENTAL TO THE INDUCTION LOOP.
IT SHALL NOT BE MEASURE FOR PAYMENT.

INSTALL AT STATIONS.

FILE NAME = C:\vd106010\155TSC1YP.dgn	USER NAME = me20g	DESIGNED - J.G.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	ONE LANE COUNT STATION	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 ' / IN.	DRAWN - G.M.	REVISED -			55	99 (1+2) RS-12	Will	110	56
PLOT DATE = 2/8/2018	CHECKED - J.G.	DATE - 01-31-07	REVISED -	SCALE: NONE	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 60K04				

COIL 20FT. (6 m) OF LOOP WIRE AND HANG FROM HOOKS IN HDHH

HDHH WITH STUB OUT 1FT. (30.48 cm) PAST EDGE OF SHOULDER

(I)10FT. (3 m) OF 1 1/4 IN. (32 mm) (P-DUCT(TRENCHED)

← LANE 3
← LANE 2
← LANE 1

(I)120FT. (37 m) OF 2 IN. (50 mm) GALVANIZED STEEL CONDUIT PUSHED

(I)6FT. DIA. (1.83 m) INDUCTION LOOP CENTERED IN EACH LANE

LANE 1 →
LANE 2 →
LANE 3 →

HDHH WITH STUB OUT 1FT. (30.48 cm) PAST EDGE OF SHOULDER

(I)CORE HOLE

(I)10FT. (3 m) OF 1 1/4 IN. (30.0 mm) P-DUCT(TRENCHED)

COIL 20FT. (6 m) OF LOOP WIRE AND HANG FROM HOOKS IN HDHH

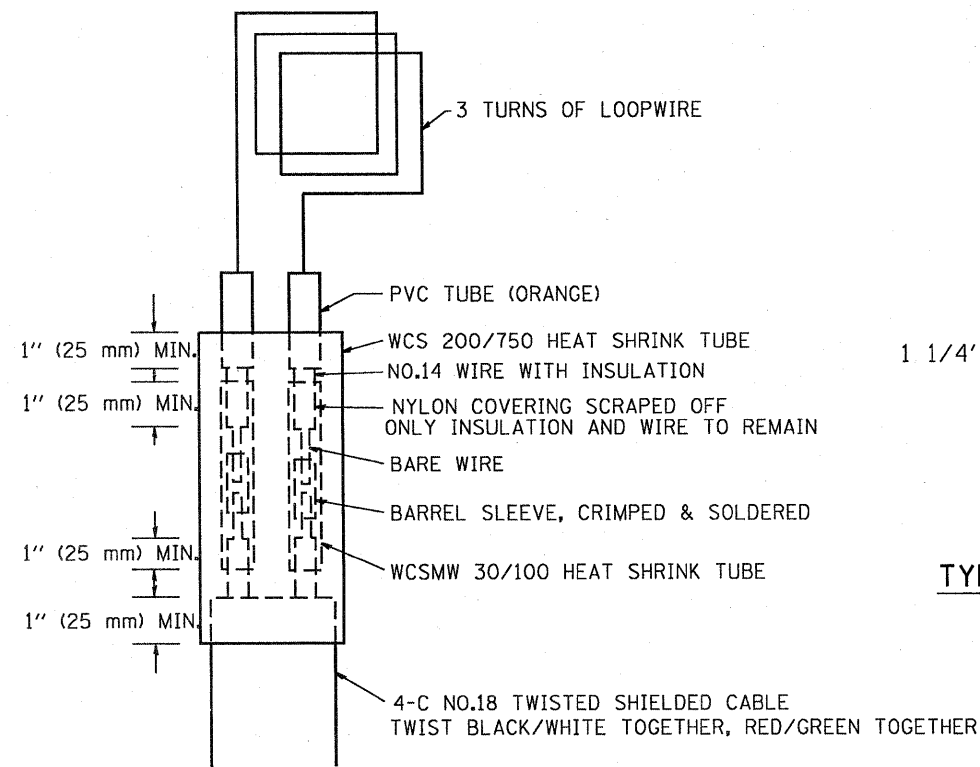
NOTE:

THE COST OF LOOP WIRE IN HDHH IS INCIDENTAL TO THE INDUCTION LOOP.
IT SHALL NOT BE MEASURE FOR PAYMENT.

INSTALL AT STATIONS.

FILE NAME = C:\d186810\155TSC1YP.dgn	USER NAME = mazeg	DESIGNED - J.G.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	3 LANE COUNT STATION	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 "/ IN.	DRAWN - G.M.	REVISED -			55	49 (1+2) RS-12	W.II	110	57
PLOT DATE = 2/8/2010	CHECKED - J.G.	DATE - 01-31-07	REVISED -	SCALE: NONE	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 60K04				

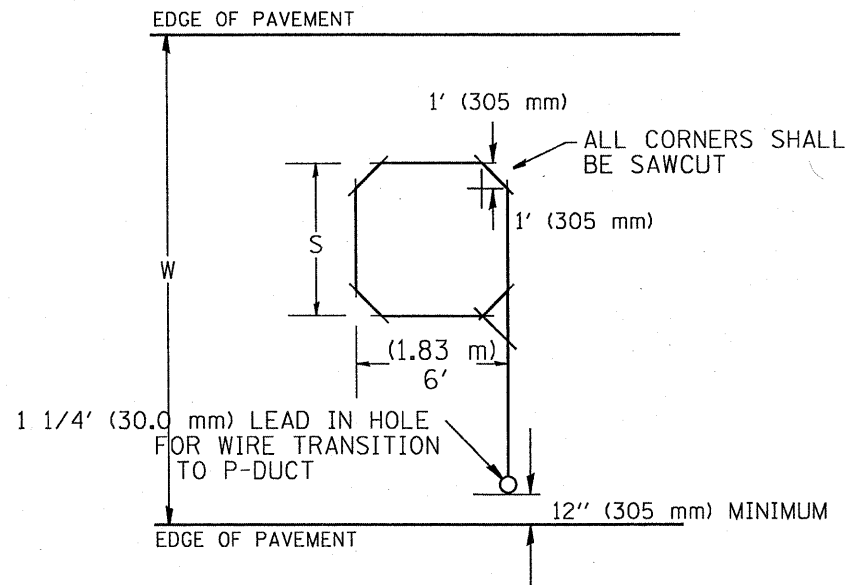
TRAFFIC SYSTEMS CENTER (TY-1TSC-400#32)



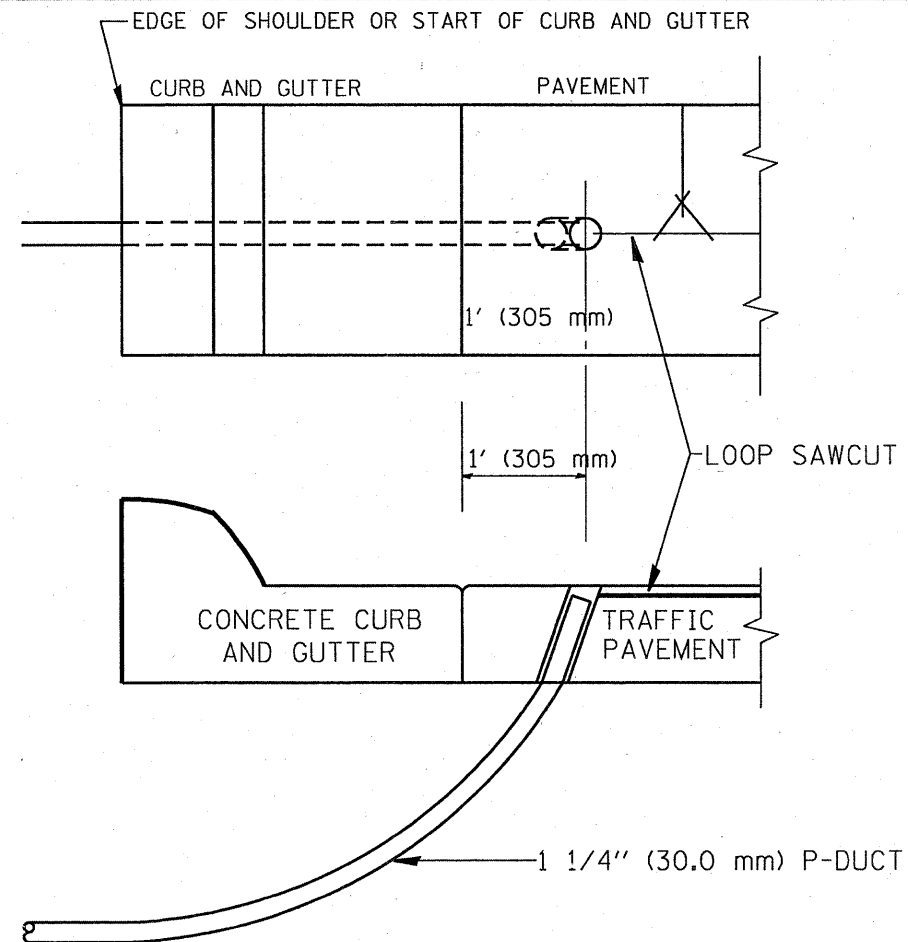
MINIMUM 1" (25 mm) HEAT SHRINK TUBING OVERLAP ON WIRE, PVC & SHIELDED CABLE TO FORM WATER TIGHT SEAL

LOOP SPLICING REQUIREMENTS

TABLE 1	
WIDTH (W)	WIDTH (S)
12' (3.7 m)	8' (2.5 m)
13' (4.0 m)	9' (2.8 m)
14' (4.3 m)	10' (3.1 m)
15' (4.6 m)	11' (3.4 m)
16' (4.9 m)	12' (3.7 m)
17' (5.2 m)	13' (4.0 m)
18' (5.5 m)	14' (4.3 m)
19' (5.8 m)	15' (4.6 m)
20' (6.1 m)	18' (4.9 m)
21' (6.4 m)	17' (5.2 m)
22' (6.7 m)	18' (5.5 m)
23' (7.0 m)	19' (5.8 m)
24' (7.3 m)	20' (6.1 m)
25' (7.6 m)	21' (6.4 m)



TYPICAL "S" FT. BY 6' (1.83 m) INDUCTION LOOP SAWCUT LAYOUT FOR RAMPS

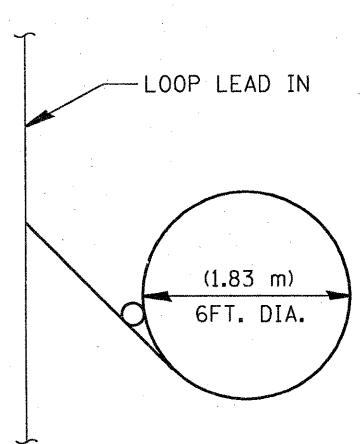


CURB AND GUTTER LOOP LEAD-IN TRANSITION DETAIL

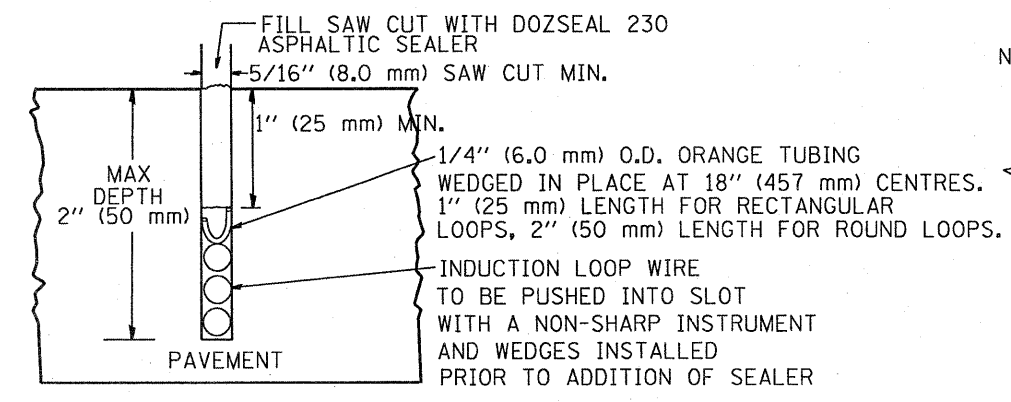
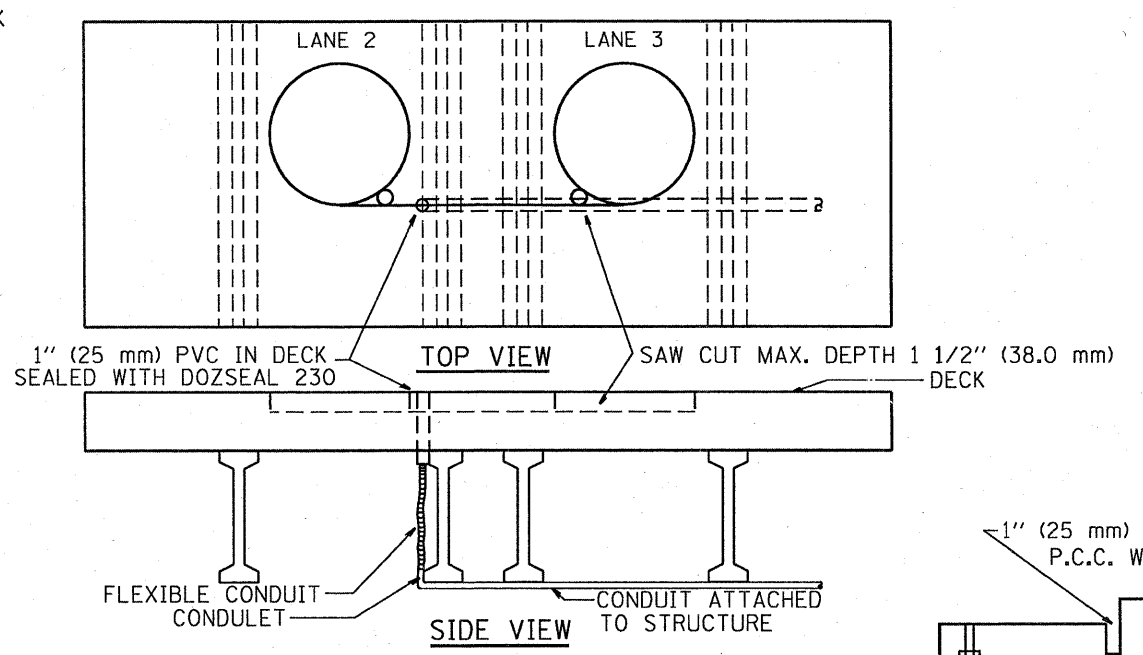
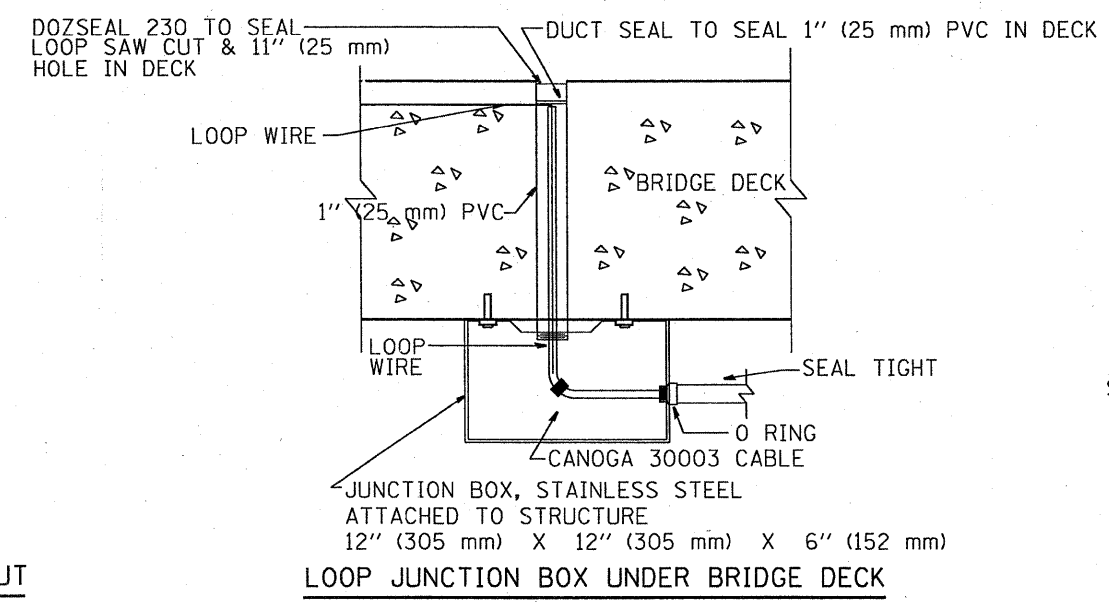
NOTES

1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 150' (45 m) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

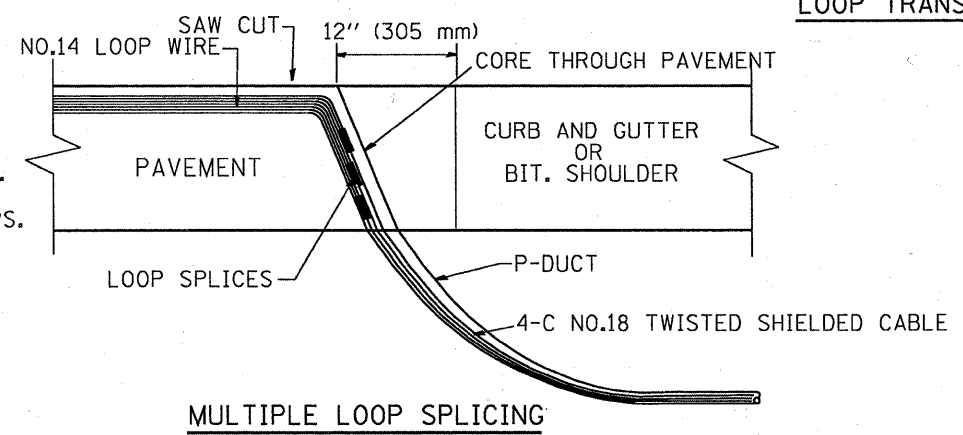
FILE NAME = C:\d186018\155TSC TYP.dgn	USER NAME = mezag	DESIGNED - R.L.	REVISED - 6/94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	RECTANGULAR INDUCTION LOOP TYPICAL	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000 % / IN.	DRAWN - G.M.	REVISED - 11/95			55	99 (1+2)	25-12	Will	110
PLOT DATE = 2/8/2010	CHECKED - R.L.	REVISED - 05/96	REVISED - 10/96	SCALE: NONE	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 60R04				



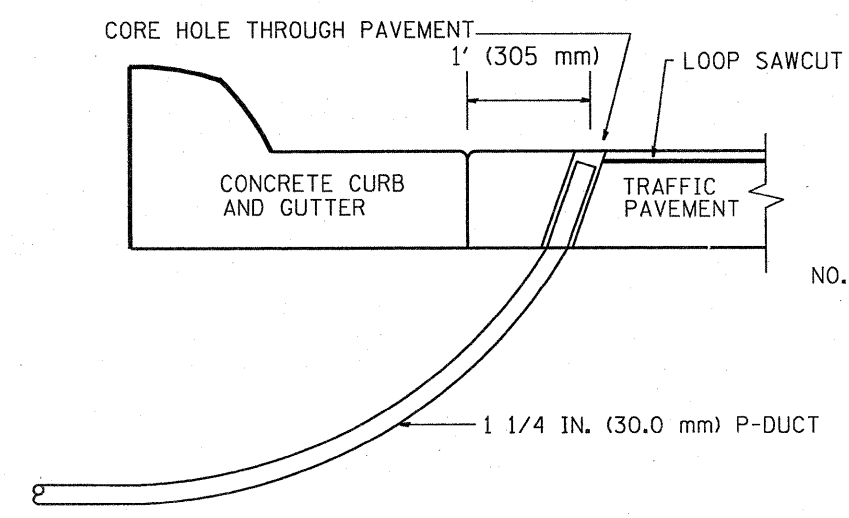
TYPICAL LOOP SAWCUT LAYOUT



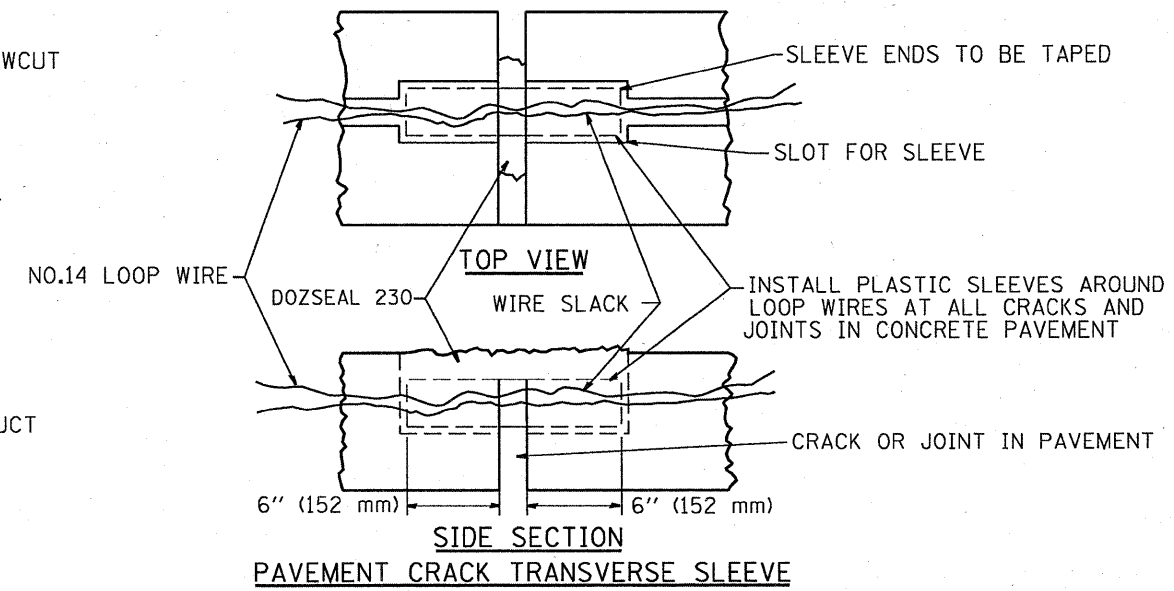
LOOP CROSS SECTION IN PAVEMENT



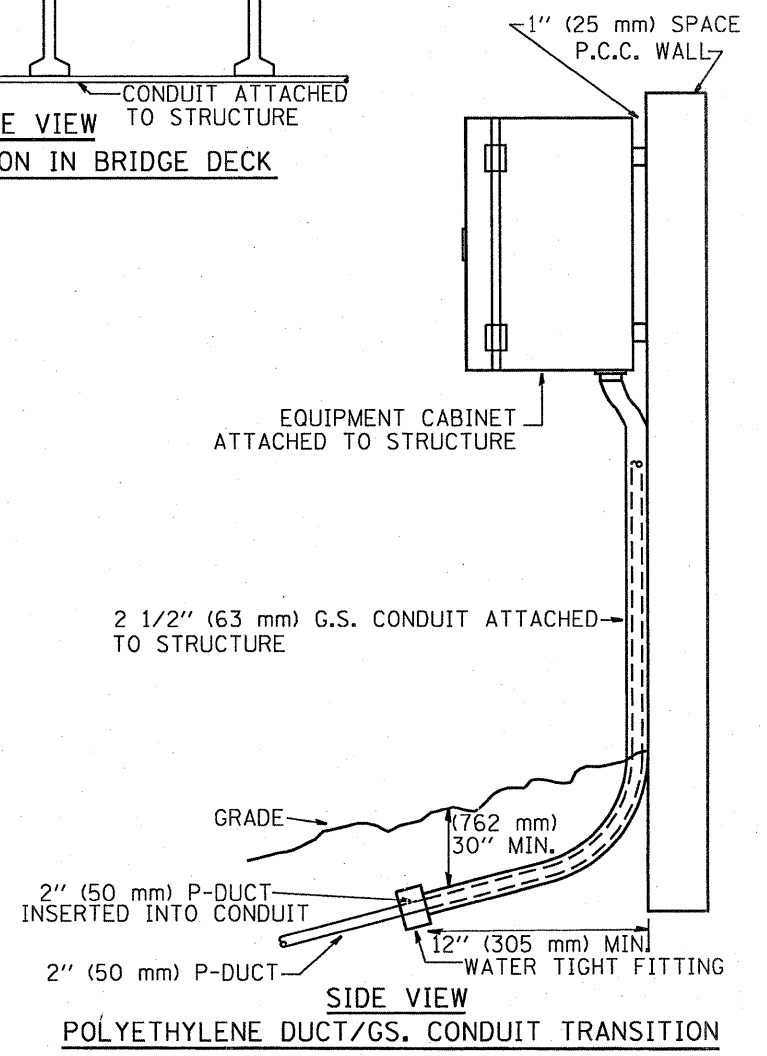
MULTIPLE LOOP SPLICING



SIDE SECTION LOOP LEAD-IN TRANSITION DETAIL

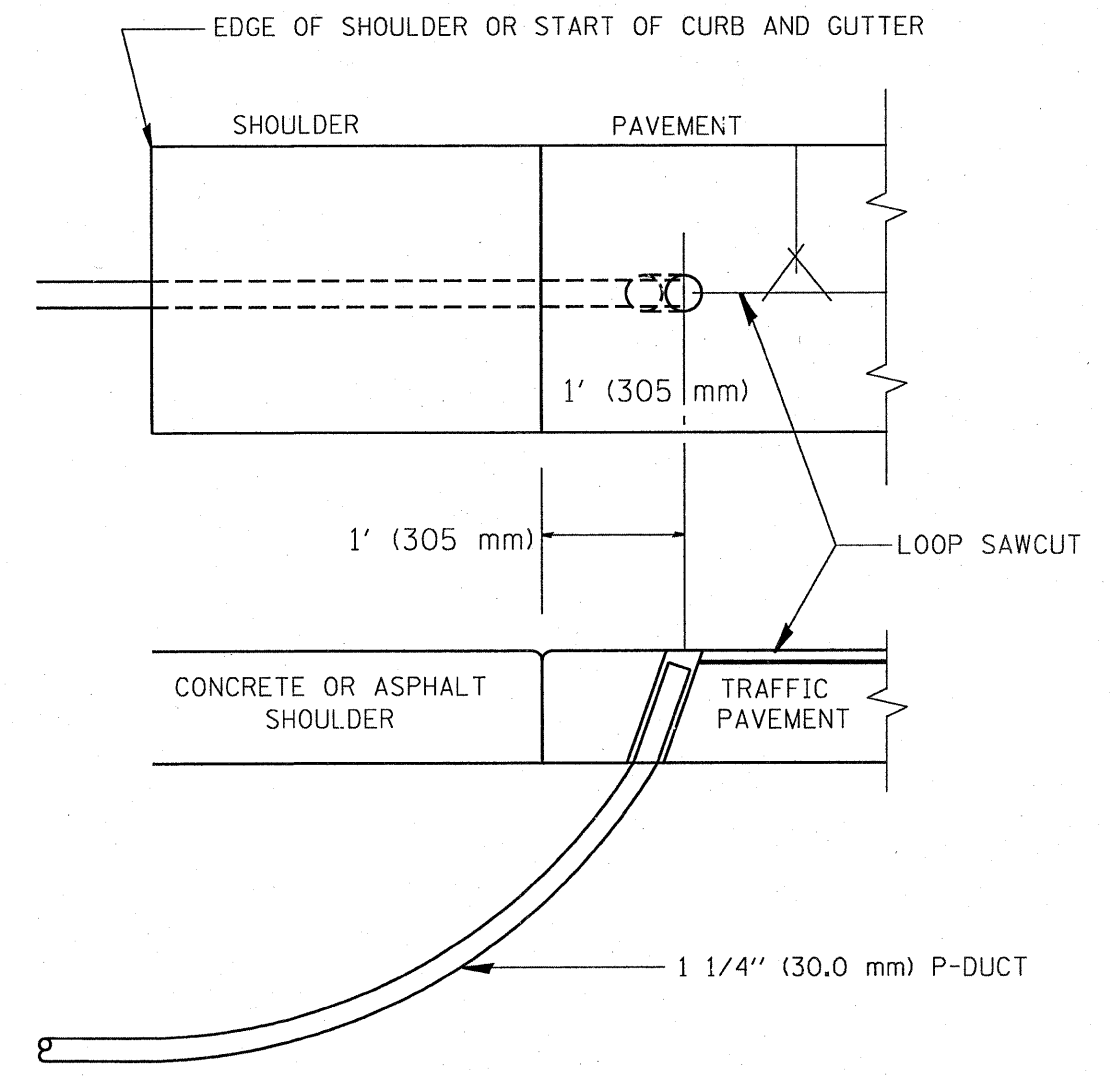


SIDE SECTION PAVEMENT CRACK TRANSVERSE SLEEVE

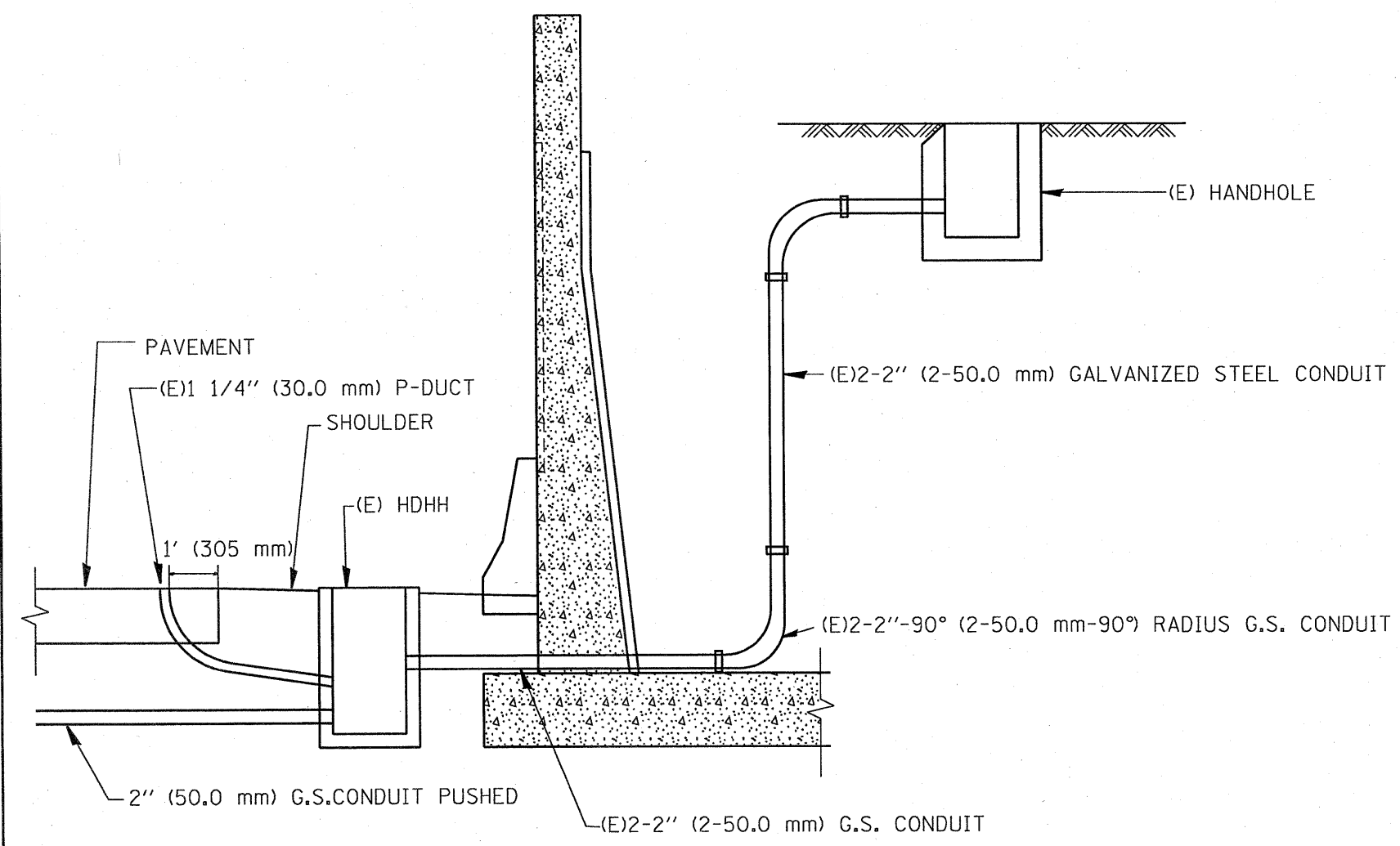


SIDE VIEW POLYETHYLENE DUCT/GS. CONDUIT TRANSITION

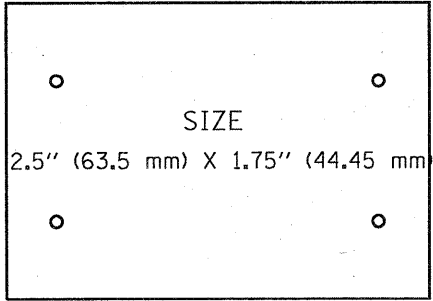
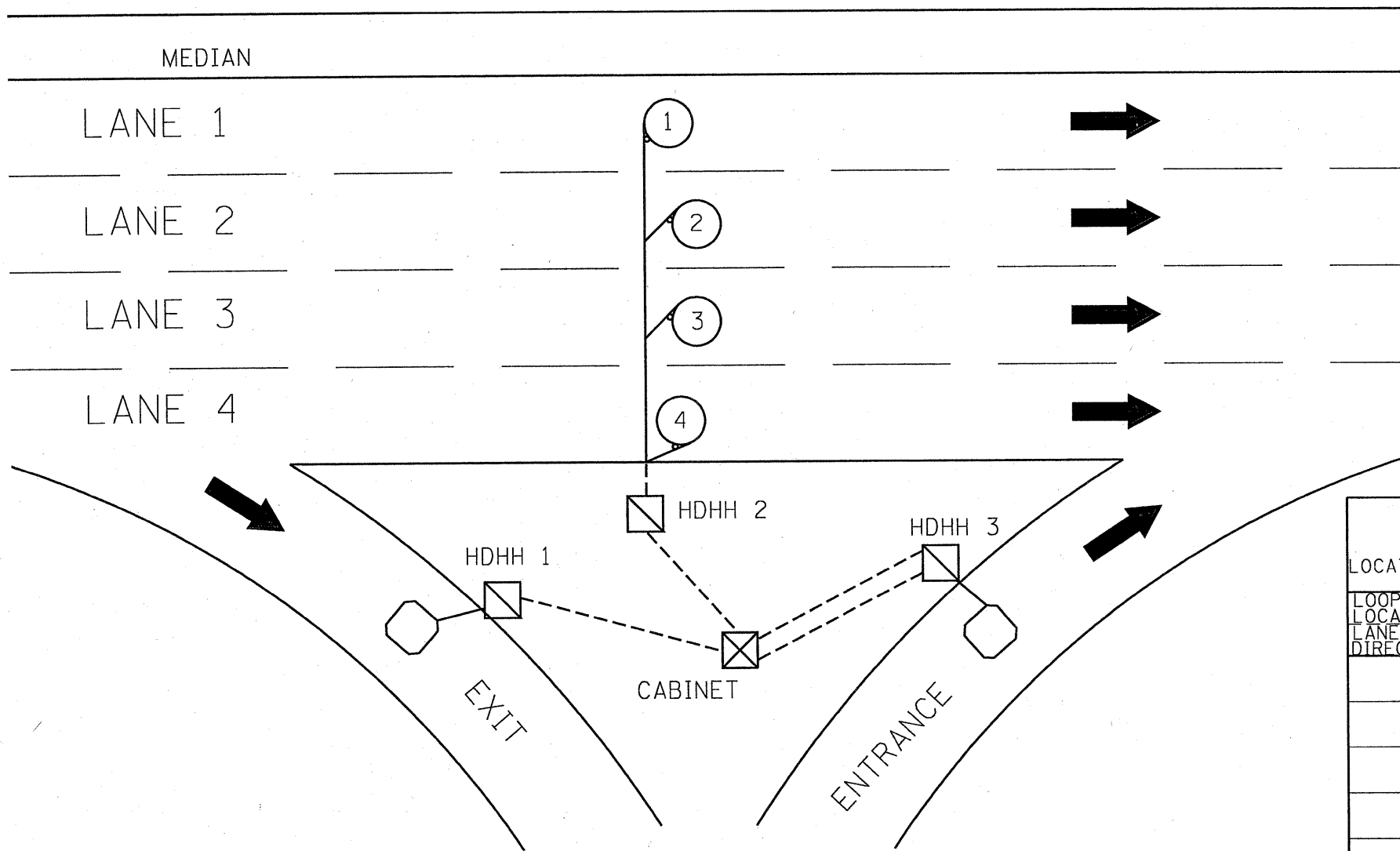
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	PLOT SCALE = 100.0000' / IN.	DRAWN - G.M.	REVISED - 03/95			55	99 (1+2)	RS-12	Will	110	59	
	PLOT DATE = 2/8/2010	CHECKED - R.L.	REVISED - 11/95			CONTRACT NO. 601004						
		DATE - 06/22/94	REVISED - 10/96			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						
					SCALE: NONE	SHEET NO. OF SHEETS STA.		TO STA.				



SHOULDER LOOP LEAD-IN
TRANSITION DETAIL



FILE NAME = C:\d186010\155TSC1YP.dgn	USER NAME = mazag	DESIGNED - R.L.	REVISED - 6/94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	TYPICAL INDUCTION LOOP LEAD-IN TRANSITION DIAGRAMS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / IN.	DRAWN - G.M.	REVISED - 11/95		55	99 (1+2)	RS-12	Will	110	60		
PLOT DATE = 2/8/2010	CHECKED - R.L.	REVISED - 05/96	SCALE: NONE		SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 60604			
	DATE - 6-22-94	REVISED - 10/96										



SUGGESTED TAG
PANDUIT
#MP250W175-C
OR EQUIVALENT

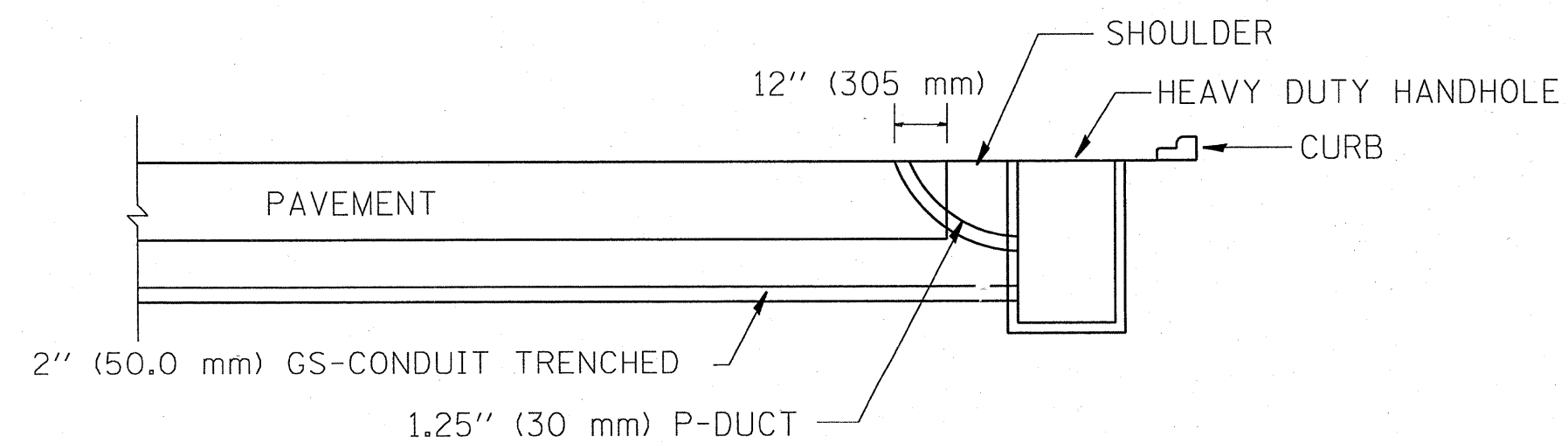
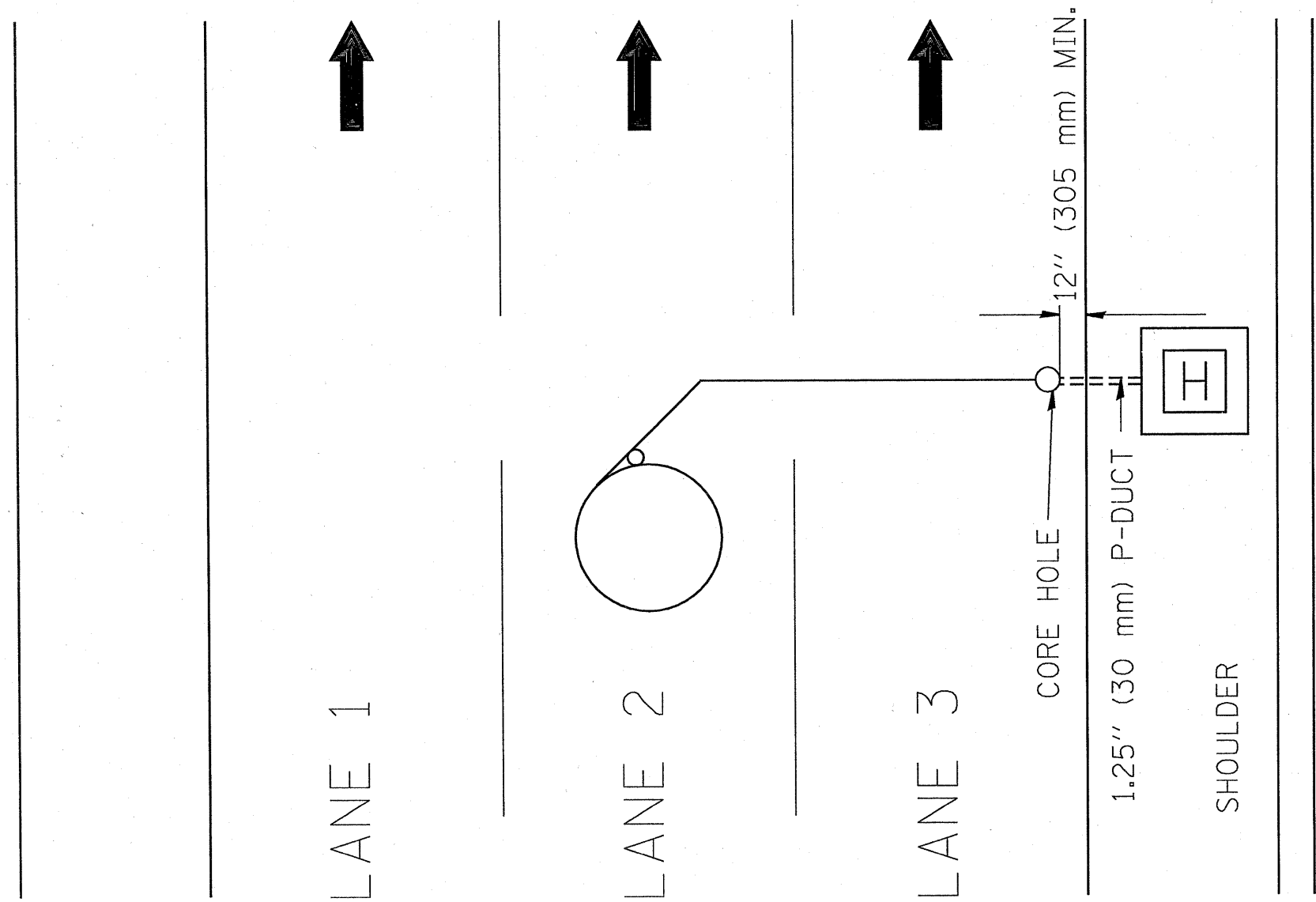
LOOP ANALYZER					
LOCATION _____				DATE _____	
LOOP LOCATION LANE DIRECTION	LOOP WIRE MARKED AND CODED	LOOP SIZE	FREQ. INDUCTANCE	INSULATION	LOOP RESISTANCE

HDHH 1 EXAMPLE
IB-EB EXIT
CCW IN/
TO CABINET # _____

HDHH 2 EXAMPLE
IB (OB) LANE # ____
CCW /OUT
TO CABINET # _____

HDHH 3 EXAMPLE
IB-EB ENT.
LOOP #2
CW IN/

NOTE:
EACH LOOP WIRE SHALL BE TAGGED
AS "IN" OR "OUT" AND "CW" OR "CCW".
SHIELDED CABLE WILL BE TAGGED IN
EACH HANDHOLE AND CABINET TO
MATCH THE CABLE LOG.



FILE NAME =
C:\d106010\105TSC1YP.dgn

USER NAME = mezag
DESIGNED - R.L.
DRAWN - G.M.
PLOT SCALE = 100.0000 / IN.
CHECKED - R.L.
PLOT DATE = 2/8/2010
DATE - 11/7/95

DESIGNED - R.L.
DRAWN - G.M.
CHECKED - R.L.
DATE - 11/7/95

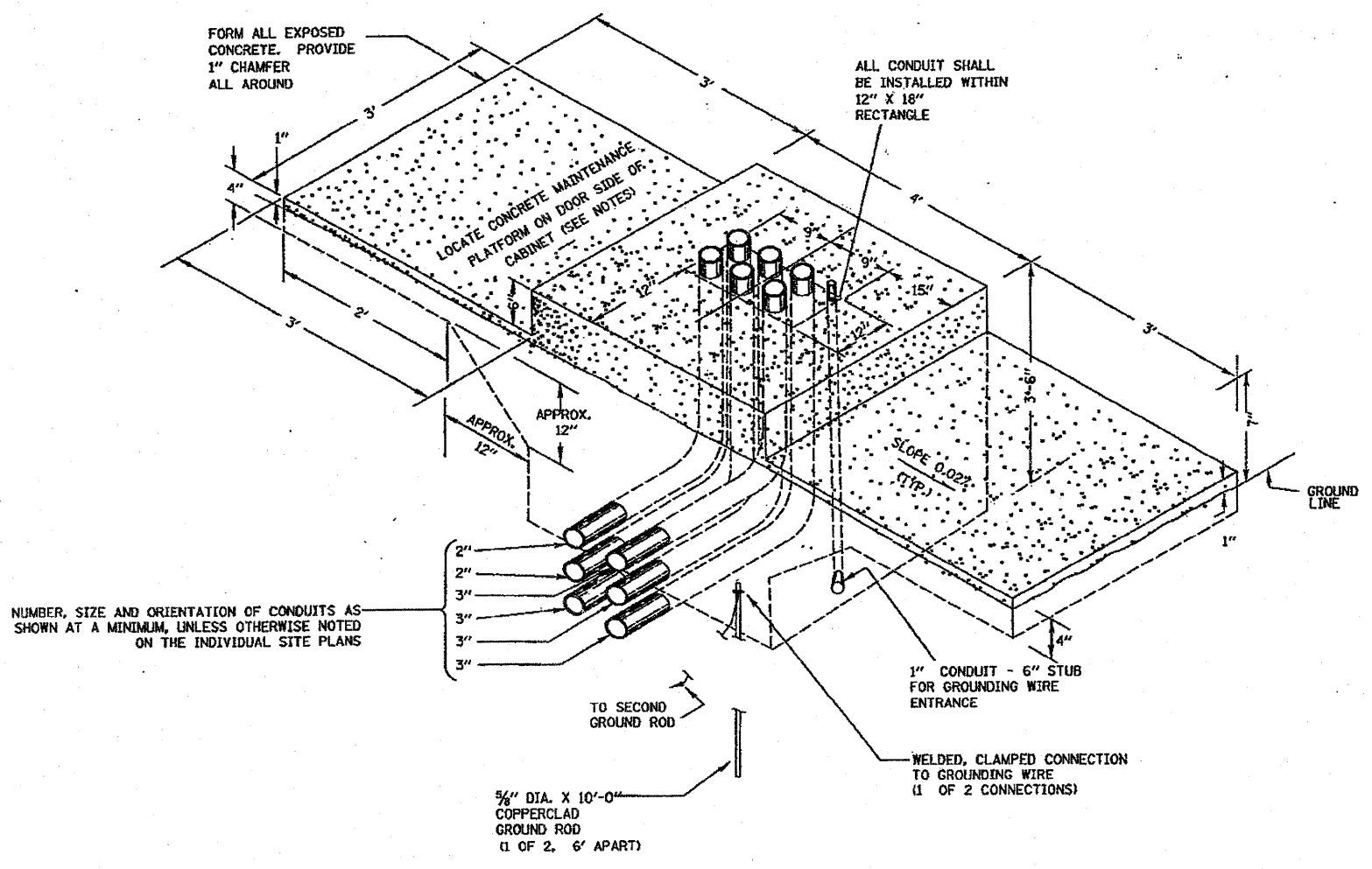
REVISED - R.L.
REVISED - T.C.
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

DIVE HOLE DUCT SYSTEM
SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1+2) 25-12	W. ILL.	110	62
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60K04	

FAI	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B5	99(1+2)RS-13	Will	110	63
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



NOTES

1. INSTALL FOUR 3/4 INCH DIAMETER X 12 INCH MINIMUM LENGTH APPROVED J-BOLTS TO ANCHOR THE CABINET BASES. THE ANCHOR BOLTS SHALL BE GALVANIZED STEEL AND LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.
2. CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL. PRIOR TO CABINET INSTALLATION. LEVELING OF TOP SURFACES AFTER CONCRETE BASE HAS CURED SHALL ONLY BE ACCOMPLISHED BY GRINDING.
3. MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.
4. CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.
5. CONCRETE MAINTENANCE PLATFORM AND CABINET FOUNDATION FOR CABINET SHALL BE A MONOLITHIC POUR.
6. WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.
7. CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 3 INCH.
8. MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.
9. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.
10. CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.
11. PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.
12. ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.
13. ALL METALLIC CONDUIT ENDS AT TOP OF CONCRETE BASES SHALL HAVE BUSHINGS AND ALL NON METALLIC CONDUIT ENDS AT TOP OF CONCRETE BASES SHALL HAVE END BELLS.

NUMBER, SIZE AND ORIENTATION OF CONDUITS AS SHOWN AT A MINIMUM, UNLESS OTHERWISE NOTED ON THE INDIVIDUAL SITE PLANS

TYPICAL DETAIL
CONCRETE BASE, CONTROLLER CABINET

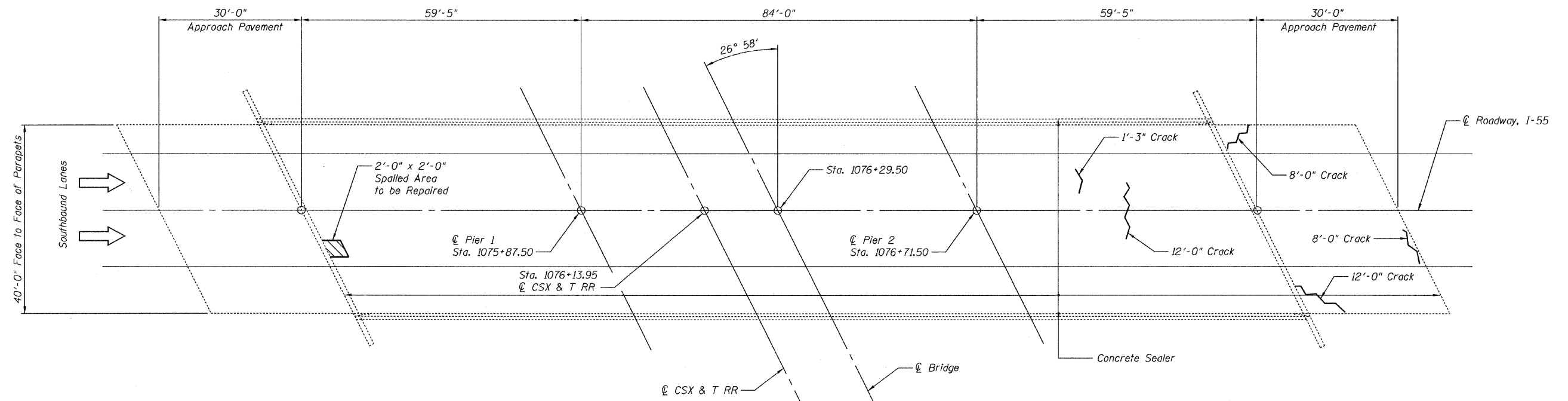
DT-47

**Edwards
and Kelcey**
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EDKCORP.COM

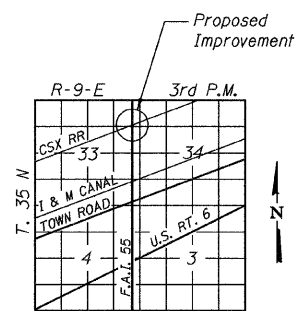
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 55
NAME	DATE	
		CONCRETE FOUNDATION, TYPE 1 DETAIL (FOR CABINET, MODEL 334)
SCALE: NTS		DRAWN BY: M.L.
DATE: October 29, 2004		CHECKED BY: GFR

09/14/2004 09:24:35 AM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DECK PLAN



LOCATION SKETCH

GENERAL NOTES

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.

NOTES

1. The limits and locations of repairs shown on the deck plan are taken from the most recent survey performed by the District on October 27, 2009

LEGEND



TOTAL BILL OF MATERIAL

Item	Unit	Total
* Concrete Sealer	Sq. Ft.	107.34
Epoxy Crack Injection	Foot	42
Deck Slab Repair (Partial)	Sq. Yd.	0.5

* To be applied to Deck Surface, Parapet Face and Parapet Top

INDEX OF SHEETS

- General Plan
- Construction Staging

**GENERAL PLAN
I-55 SOUTHBOUND OVER
C.S.X. & T. RR
SEC. 86(VB-I-R, B-R-I, B-I-BR)
WILL COUNTY
STATION 1076+29.50
STRUCTURE NO. 099-0312**

DESIGNED	TPP
CHECKED	RJL
DRAWN	JS/SCS
CHECKED	TPP



2/8/2010

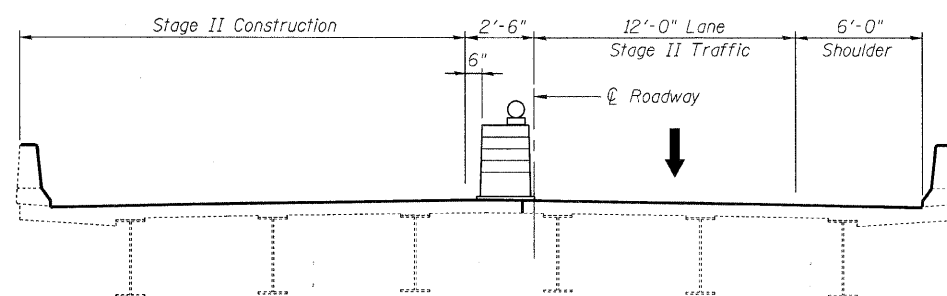
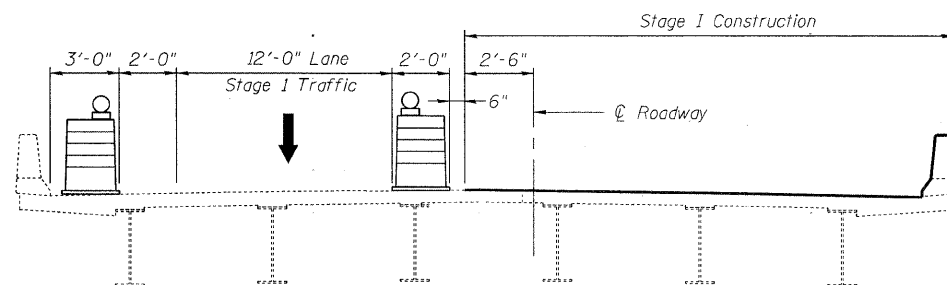
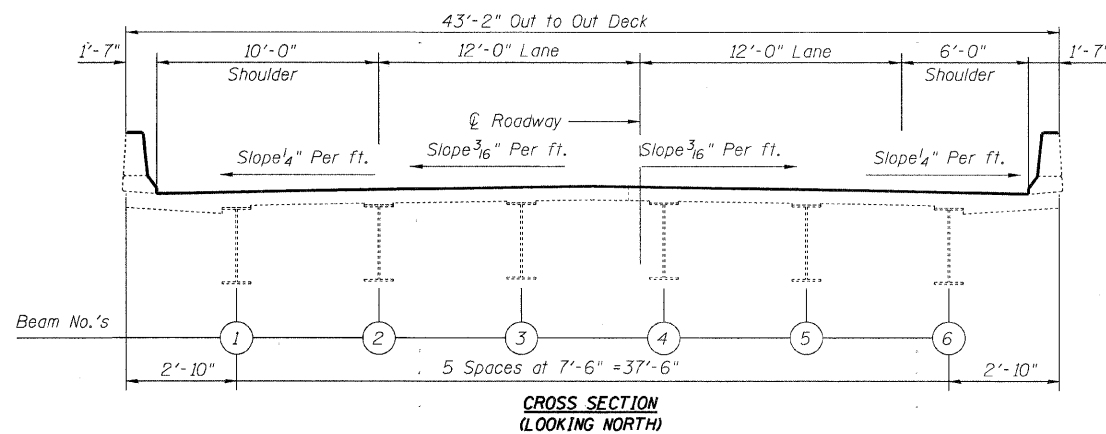


ABNA

9901 S. Western Ave.
Chicago, IL 60643
Ph. 773-881-4788
F: 773-239-3728
DESIGN FIRM REG. 184.002117

SHEET NO. 1	F.A.I. RTE. 55	SECTION 99 (1+2) RS-12	COUNTY WILL	TOTAL SHEETS 110	SHEET NO. 64
CONTRACT NO. 60K04					
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PROPOSED CONSTRUCTION STAGING

**CONSTRUCTION STAGING
I-55 SOUTHBOUND OVER
C.S.X. & T. RR
SEC. 86(VB-I-R, B-R-I, B-I-BR)
WILL COUNTY
STATION 1076+29.50
STRUCTURE NO. 099-0312**

DESIGNED	TPP
CHECKED	RJL
DRAWN	JS/SCS
CHECKED	TPP

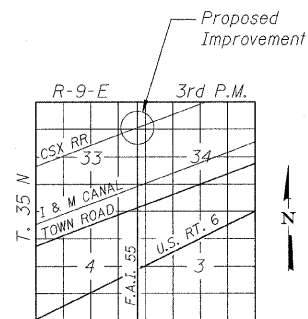
ABNA
9901 S. Western Ave.
Chicago, IL 60643
Ph. 773-881-4788
F: 773.239.3728
DESIGN FIRM REG. 184.002117

SHEET NO. 2 2 SHEETS	E.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. ILLINOIS			FED. AID PROJECT		
CONTRACT NO. 60K04					

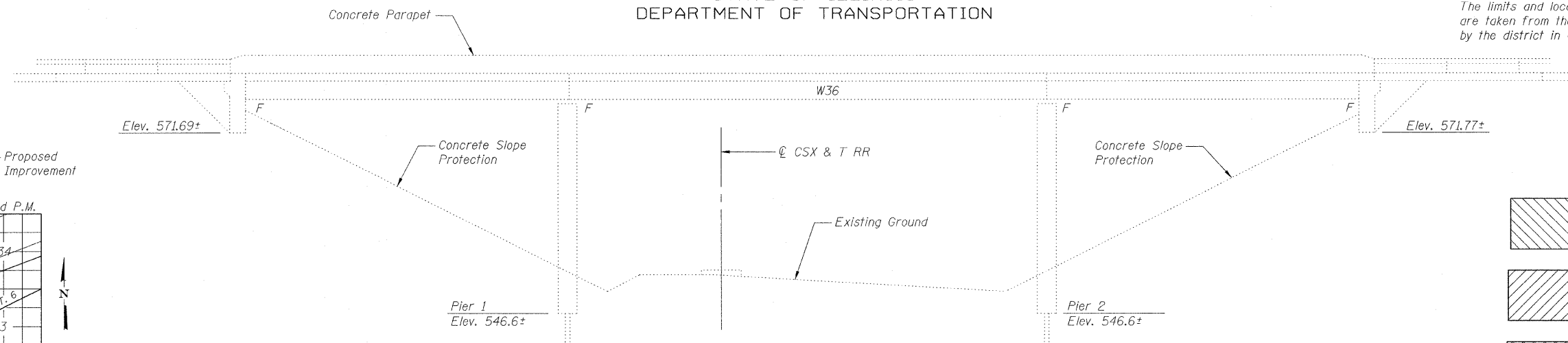
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOTE

The limits and locations of the repairs shown are taken from the most recent survey performed by the district in October 27, 2009.

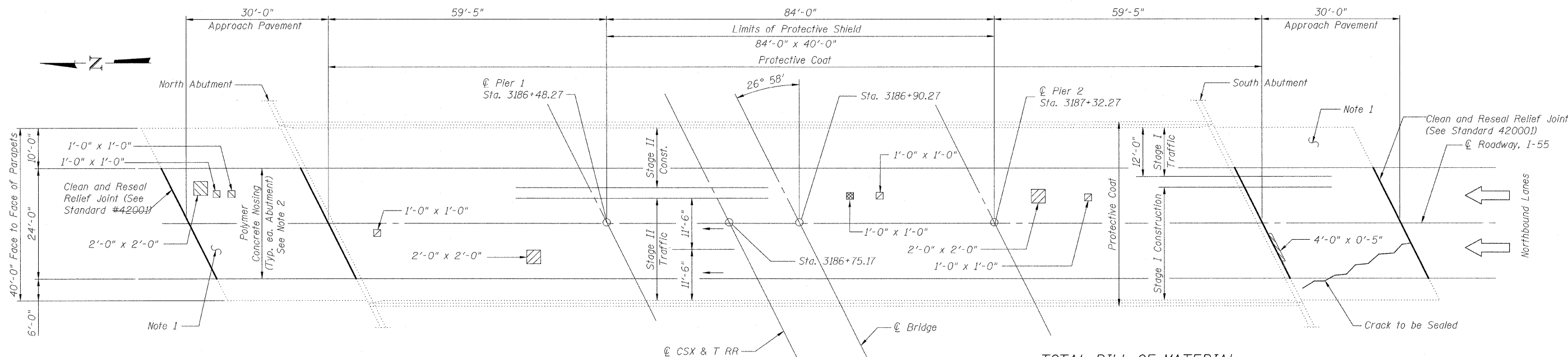
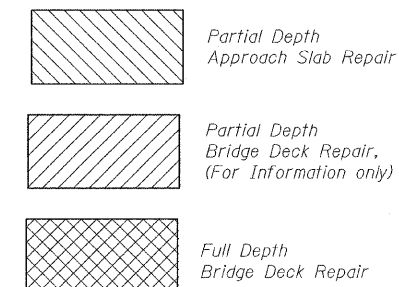


LOCATION SKETCH



ELEVATION

LEGEND



PLAN

GENERAL NOTES

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.

NOTES

1. Overlay North & South Approaches with SMA Taper from Proposed Elevation of Bridge Deck Overlay to Existing Pavement. See Detail, Sheet No. 3.
2. Install Polymer Concrete Nosing between lane lines at North and South Abutments as shown. See Detail, Sheet No. 3.

DESIGNED	TPP
CHECKED	RJL
DRAWN	JS/SCS
CHECKED	TPP

TOTAL BILL OF MATERIAL

Item	Unit	Total
Polymerized Bituminous Materials (Prime Coat)	Gal.	31
PCC Surf. Removal - Butt Joint	Sq. Yd.	267
Protective Coat	Sq. Yd.	1059
Protective Shield	Sq. Yd.	373
Bridge Deck Grooving	Sq. Yd.	831
Epoxy Crack Injection	Foot	28
Polymer Concrete	Cu. Ft.	2.2
Bridge Deck Latex Concrete Overlay 2'4"	Sq. Yd.	901
Clean and Reseal Relief Joint	Foot	54
Polymerized HMA Surface Course, SMA, N80	Ton	31
Approach Slab Repair (Partial Depth)	Sq. Yd.	0.9
Bridge Deck Hydro-Scarification 1/2"	Sq. Yd.	901
Deck Slab Repair (Full Depth, Type 1)	Sq. Yd.	1

INDEX OF SHEETS

1. General Plan & Elevation
2. Construction Staging
3. Joint Details

GENERAL PLAN & ELEVATION
I-55 NORTHBOUND OVER
C.S.X. & T. RR
SEC. 86(VB-I-R, B-R-I, B-I-BR)
WILL COUNTY
STATION 3186+90.27
STRUCTURE NO. 099-0313



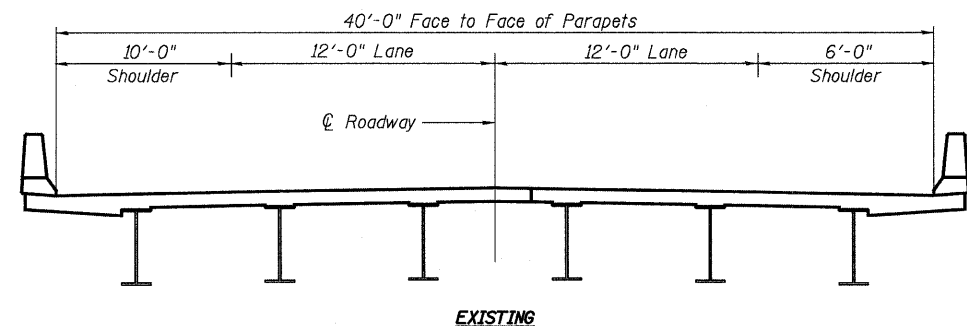
3/18/2010



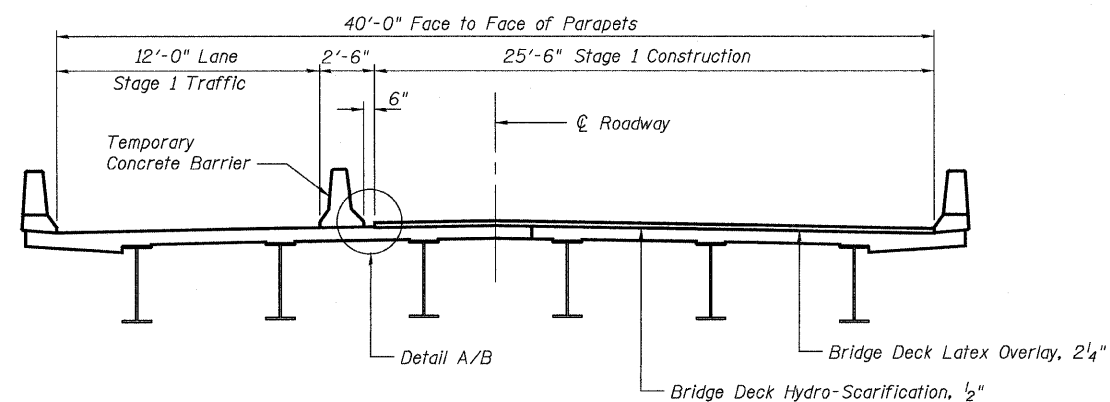
ABNA
9901 S. Western Ave.
Chicago, IL 60643
Ph. 773-881-4788
F: 773.239.3728
DESIGN FIRM REG. 184.002117

SHEET NO. 1 3 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				CONTRACT NO. 60K04	

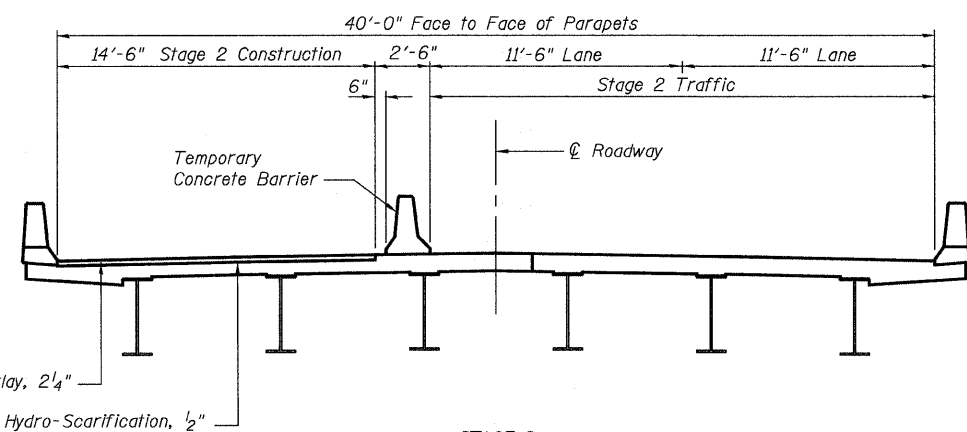
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



EXISTING

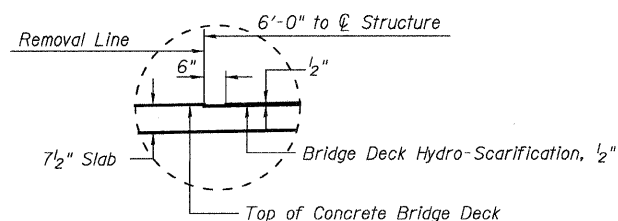


STAGE 1

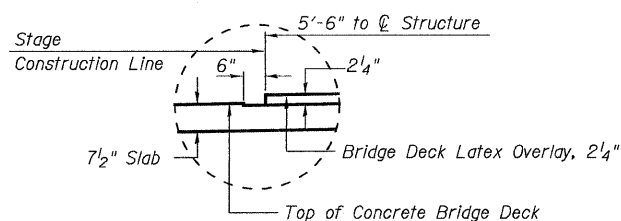


STAGE 2

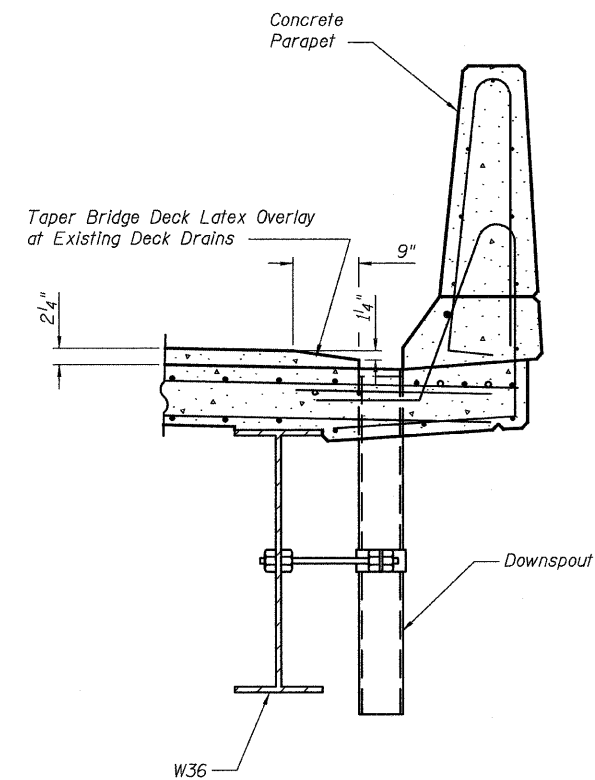
PROPOSED CONSTRUCTION STAGING
(Looking South at Oncoming Traffic)



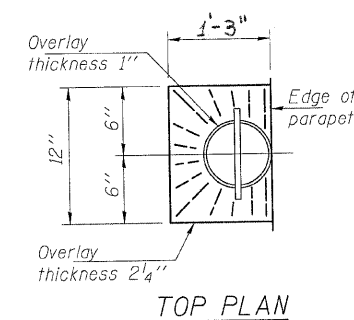
DETAIL A (Showing Removal)



DETAIL B (Showing Proposed)



TYPICAL SECTION AT DECK DRAIN



TOP PLAN

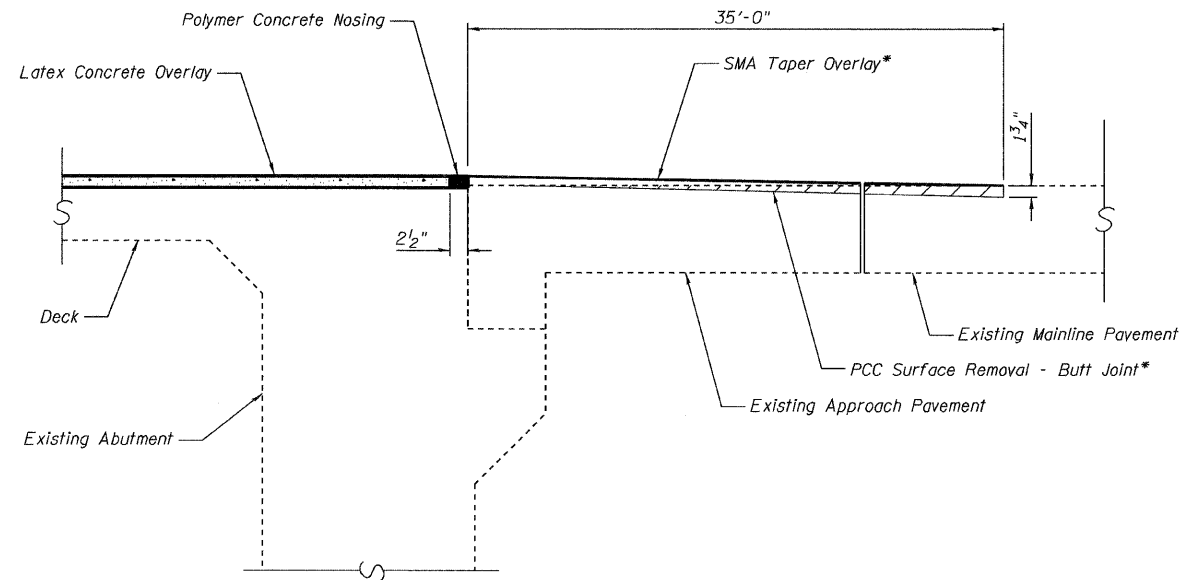
CONSTRUCTION STAGING
I-55 NORTHBOUND OVER
C.S.X. & T. RR
SEC. 86(VB-I-R, B-R-I, B-I-BR)
WILL COUNTY
STATION 3186+90.27
STRUCTURE NO. 099-0313

DESIGNED	TPP
CHECKED	RJL
DRAWN	JS/SCS
CHECKED	TPP

ABNA
9901 S. Western Ave.
Chicago, IL 60643
Ph. 773-881-4788
F: 773.239.3728
DESIGN FIRM REG. 184.002117

SHEET NO. 2 3 SHEETS	E.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (1 of 2) RS-12	WILL	110	67
FED. ROAD DIST. NO. _			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60K04					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



OVERLAY TREATMENT AT ABUTMENTS

(Polymer Concrete over driving lanes only)

* Refer to detail BD-32 in roadway plans for more information regarding construction of SMA taper and butt joint.

DESIGNED	TPP
CHECKED	RJL
DRAWN	JS/SCS
CHECKED	TPP



ABNA

9901 S. Western Ave.
Chicago, IL 60643
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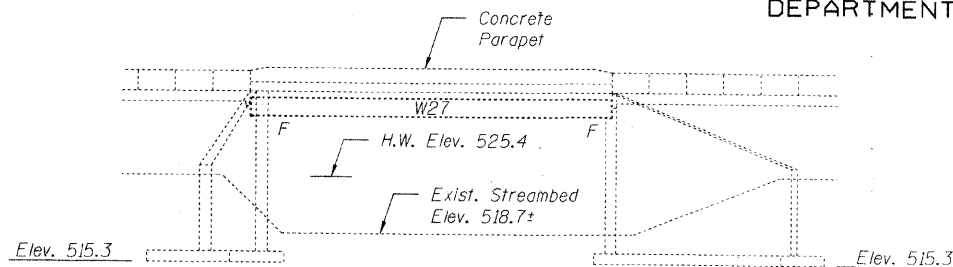
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	55	99 (1+2) RS-12	WILL	110	68
FED. ROAD DIST. NO. _ ILLINOIS			FED. AID PROJECT		
					CONTRACT NO. 60K04

JOINT DETAILS
I-55 NORTHBOUND OVER
C.S.X. & T. RR
SEC. 86(VB-I-R, B-R-I, B-I-BR)
WILL COUNTY
STATION 3186+90.27
STRUCTURE NO. 099-0313

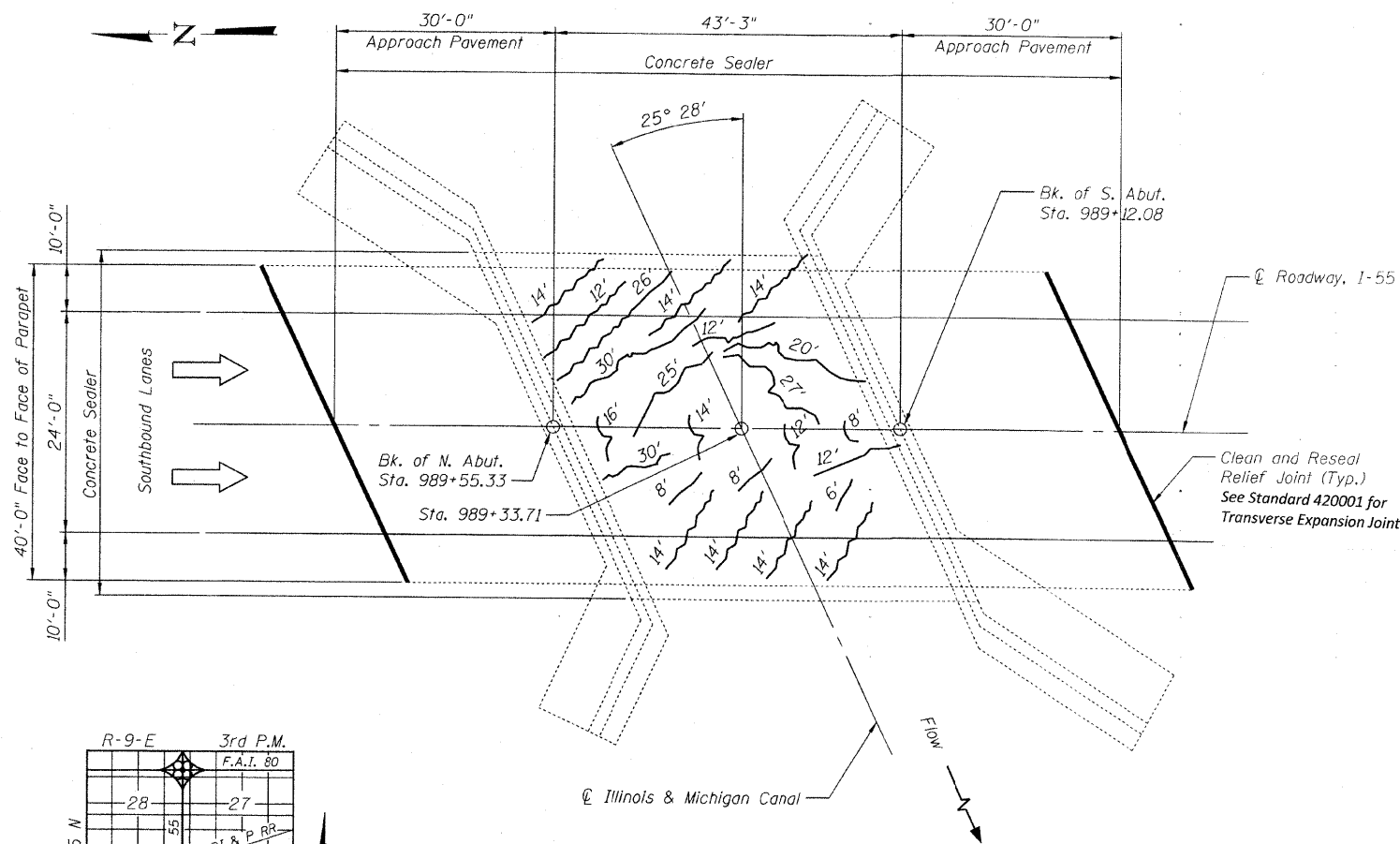
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOTE

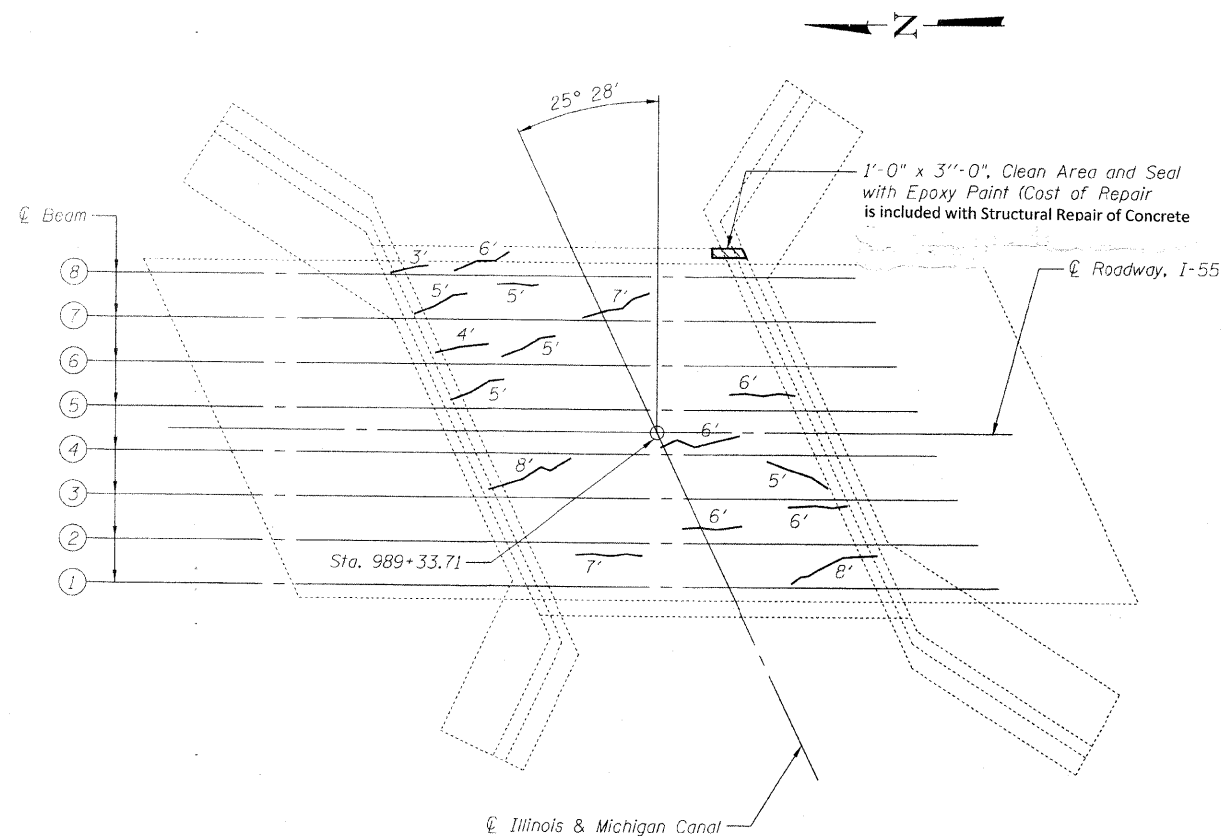
The limits and locations of the repairs shown are taken from the most recent survey performed by the district in October, 2009.



ELEVATION



PLAN



BOTTOM OF DECK PLAN

TOTAL BILL OF MATERIAL

Item	Unit	Total
Concrete Sealer	Sq. Ft.	2033
Epoxy Crack Injection	Foot	456
Structural Repair of Concrete (Depth equal to or less than 5 in.)	Sq. Ft.	3.0
Clean and Reseal Relief Joint	Foot	92.7

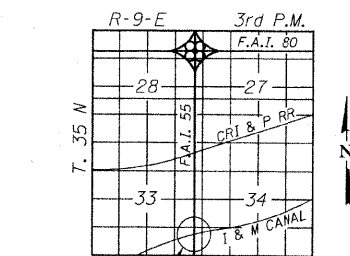
* To be applied to Deck Surface, Parapet Face and Parapet Top

**GENERAL PLAN AND ELEVATION
I-55 SOUTHBOUND OVER
ILLINOIS & MICHIGAN CANAL
SEC. 86(VB-I-R,B-R-I,B-I-BR)
WILL COUNTY
STATION 989+33.71
STRUCTURE NO. 099-0010**

INDEX OF SHEETS

1. General Plan and Elevation
2. Construction Staging
3. Substructure Repair & Joint Detail

SHEET NO. 1 3 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	299 (1+2) RS-12	WILL	110	69
			CONTRACT NO. 60K04		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

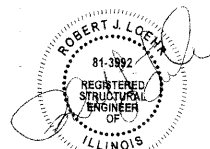


LOCATION SKETCH

GENERAL NOTES

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.

DESIGNED TPP
CHECKED RJL
DRAWN JS/SCS
CHECKED TPP

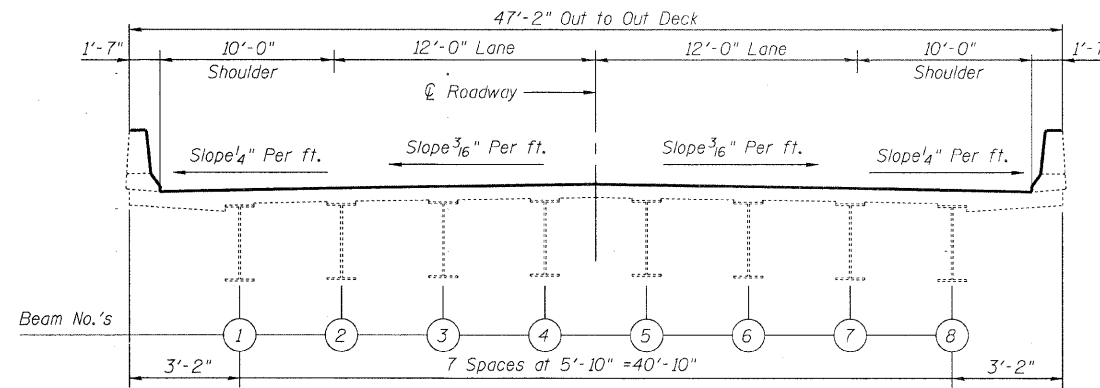


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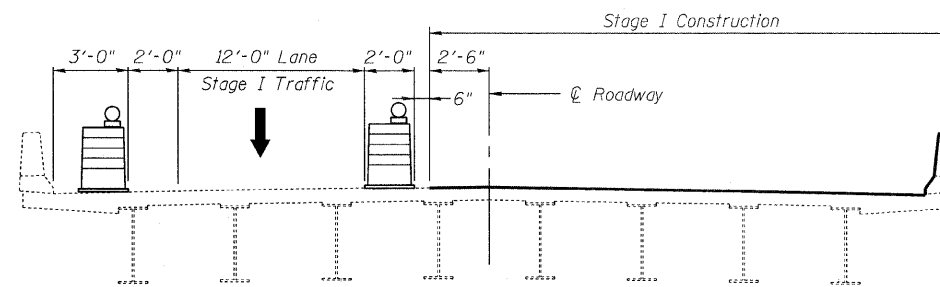
9901 S. Western Ave.
Chicago, IL 60643
Ph. 773-881-4788
F: 773.239.3728
DESIGN FIRM REG. 184.002117

1/27/2010

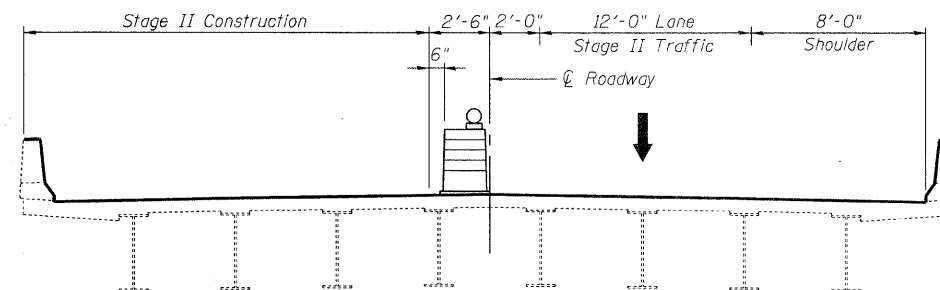
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



CROSS SECTION
(LOOKING NORTH)



STAGE I
CROSS SECTION
(LOOKING NORTH)



STAGE II
CROSS SECTION
(LOOKING NORTH)

PROPOSED CONSTRUCTION STAGING

CONSTRUCTION STAGING
I-55 SOUTHBOUND OVER
ILLINOIS & MICHIGAN CANAL
SEC. 86(VB-I-R,B-R-I,B-I-BR)
WILL COUNTY
STATION 989+33.71
STRUCTURE NO. 099-0010

DESIGNED	TPP
CHECKED	RJL
DRAWN	JS/SCS
CHECKED	TPP

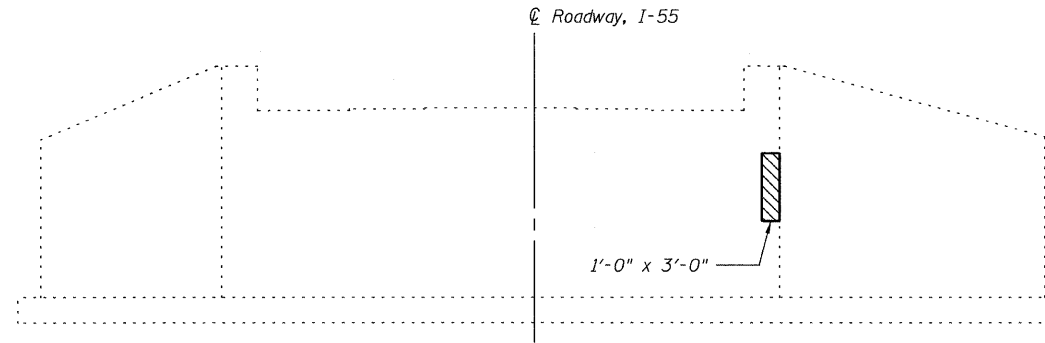
ABNA
9901 S. Western Ave.
Chicago, IL 60643
Ph. 773-881-4788
F: 773.239.3728
DESIGN FIRM REG. 184.002117

SHEET NO. 2 3 SHEETS	E.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (122) RS+12	WILL	110	70
FED. ROAD DIST. NO. ILLINOIS			FED. AID PROJECT		
			CONTRACT NO. 60K04		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOTE

The limits and locations of the repairs shown are taken from the most recent survey performed by the district in October, 2009.

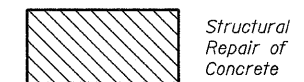


ELEVATION - SOUTH ABUTMENT

NOTES

1. The contractor shall take sufficient precautions to prevent pollution of creeks or streams with construction materials.
2. The contractor shall avoid placing construction devices in creeks or streams. Placement of any such items shall be subject to approval by IDOT.

LEGEND



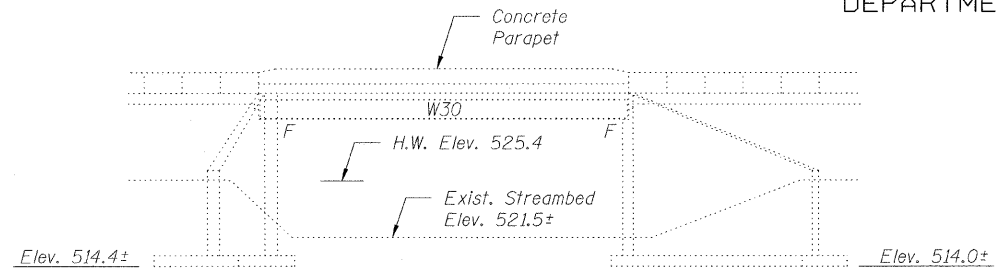
SUBSTRUCTURE REPAIR & JOINT DETAIL
I-55 SOUTHBOUND OVER
ILLINOIS & MICHIGAN CANAL
SEC. 86(VB-I-R,B-R-I,B-I-BR)
WILL COUNTY
STATION 989+33.71
STRUCTURE NO. 099-0010

DESIGNED	TPP
CHECKED	RJL
DRAWN	JS/SCS
CHECKED	TPP

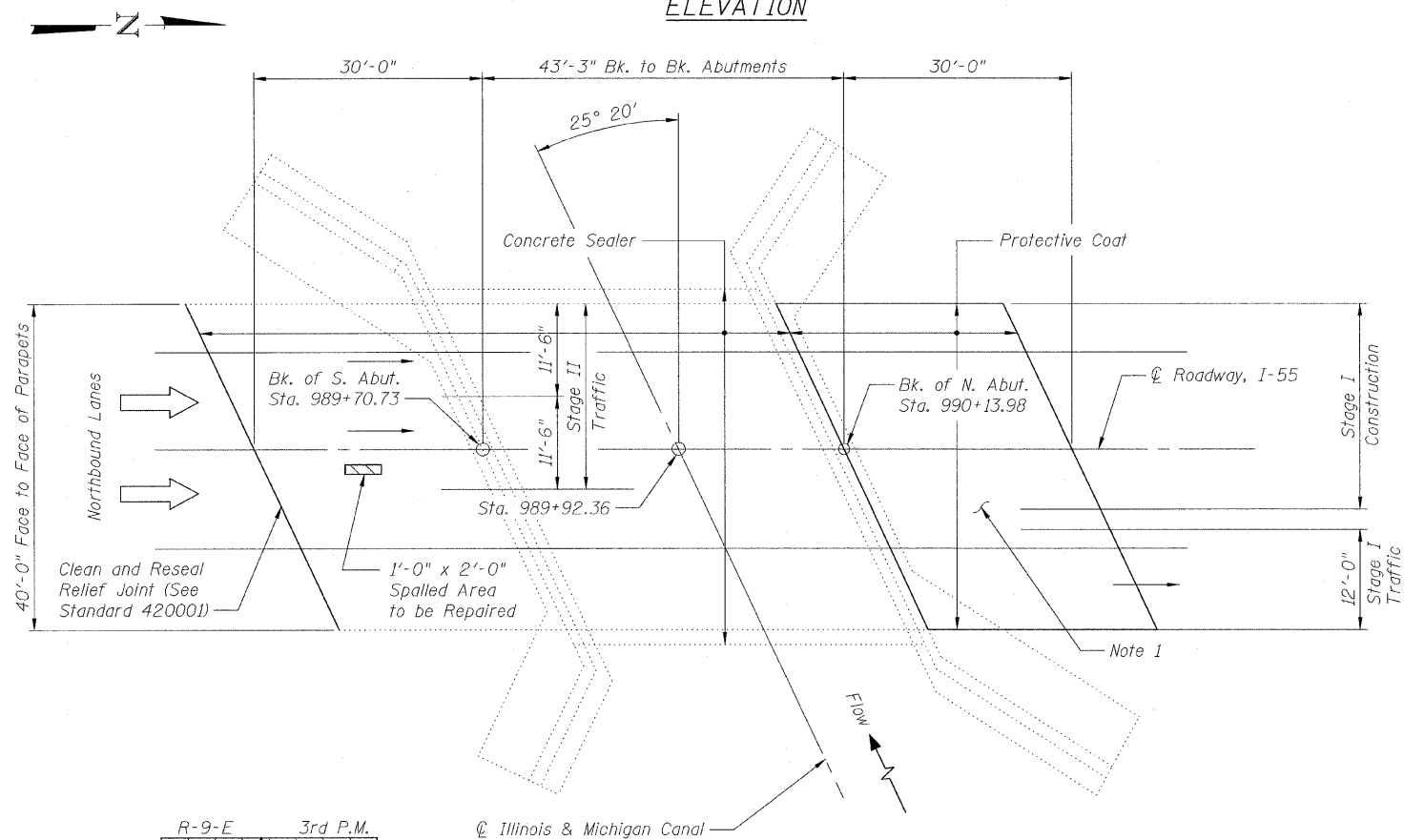
ABNA
9901 S. Western Ave.
Chicago, IL 60643
Ph. 773-881-4788
F: 773.239.3728
DESIGN FIRM REG. 184.002117

SHEET NO. 3 3 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (1e2) RS-12	WILL	110	71
FED. ROAD DIST. NO. _			ILLINOIS FED. AID PROJECT		
			CONTRACT NO. 60K04		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION



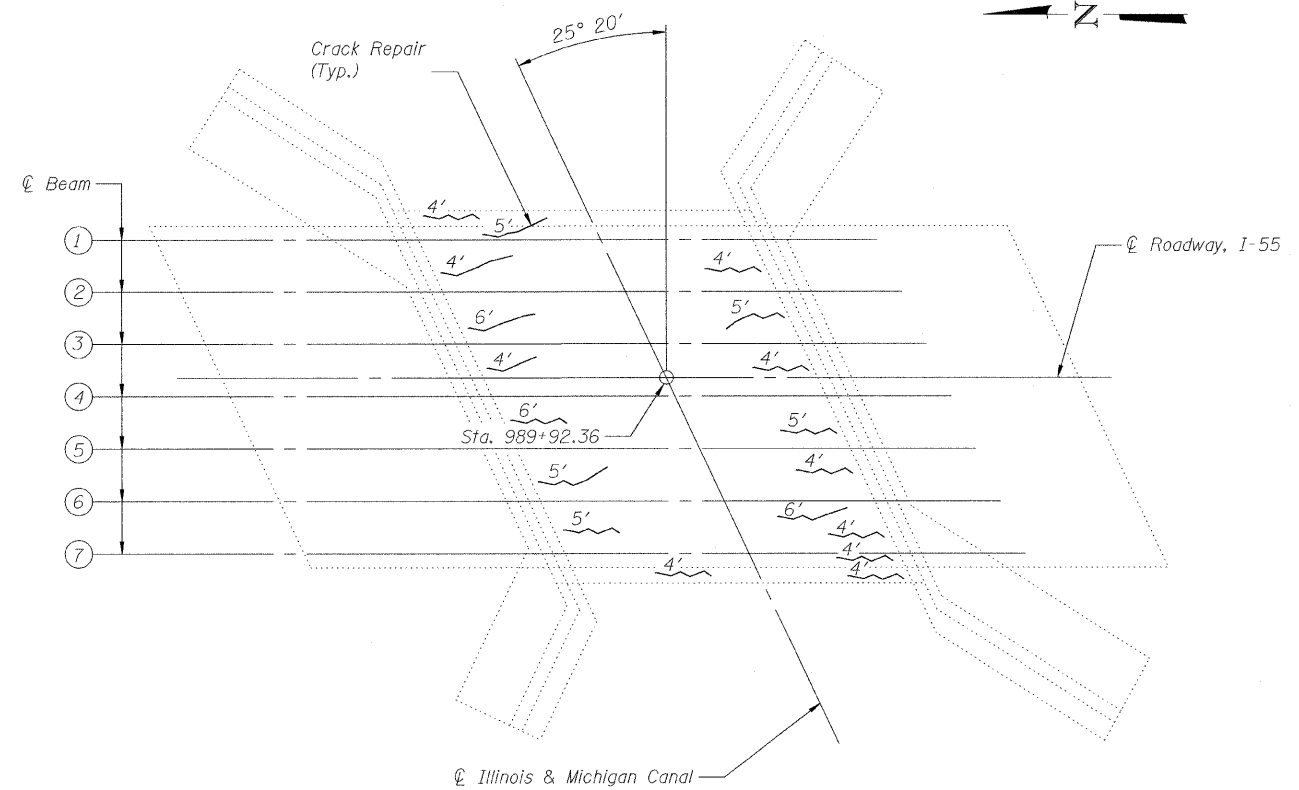
PLAN

GENERAL NOTES

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.

NOTES

1. Remove and replace north approach pavement, see details, Sheets 4 thru 6.



BOTTOM OF DECK PLAN

TOTAL BILL OF MATERIAL

Item	Unit	Total
Concrete Superstructure	Cu. Yd.	60
Concrete Structures	Cu. Yd.	13.7
Reinforcement Bars, Epoxy Coated	Pound	15,500
Protective Coat	Sq. Yd.	134
Approach Slab Removal	Sq. Yd.	134
Bridge Deck Grooving	Sq. Ft.	118
Concrete Sealer	Sq. Ft.	3233
Epoxy Crack Injection	Foot	83
Structural Repair of Concrete (Depth equal to or less than 5 in.)	Sq. Ft.	16
Clean and Reseal Relief Joint	Foot	46.4
Approach Slab Repair (Partial)	Sq. Yd.	0.22

* To be applied to Deck Surface, Parapet Face and Parapet Top

LEGEND



Partial Depth
Approach Slab Patching

INDEX OF SHEETS

1. General Plan
2. Construction Staging
3. Substructure Repairs
4. Bridge Approach Slab Details
5. Bridge Approach Slab details
6. Bar Splicer Assembly

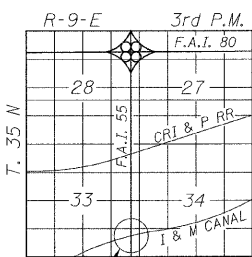
GENERAL PLAN
I-55 NORTHBOUND OVER
ILLINOIS & MICHIGAN CANAL
SEC. 86(VB-I-R, B-R-I, B-I-BR)
WILL COUNTY
STATION 989+92.36
STRUCTURE NO. 099-0289

SHEET NO. 1 6 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (I&M) R5-12	WILL	110	72
CONTRACT NO. 60K04					
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					



3/18/2010

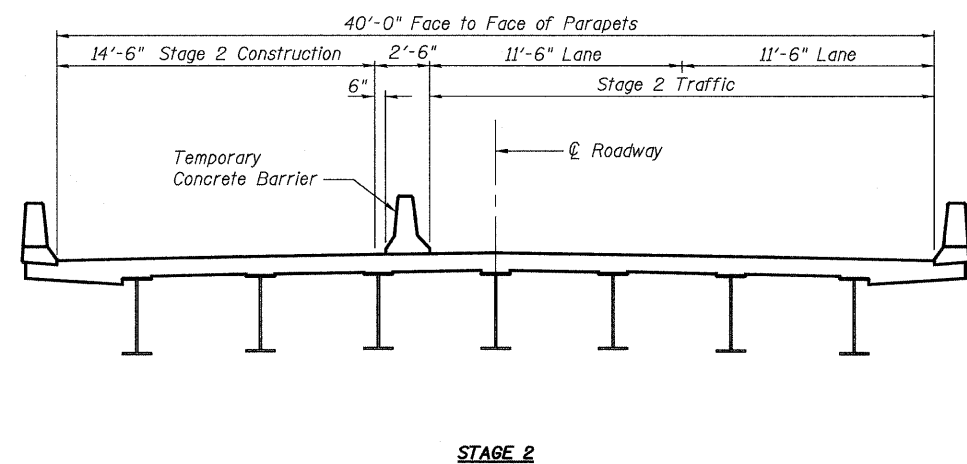
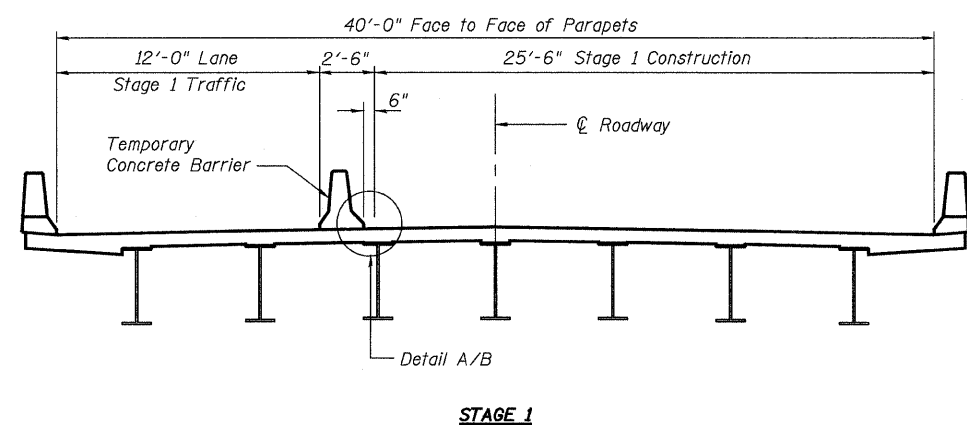
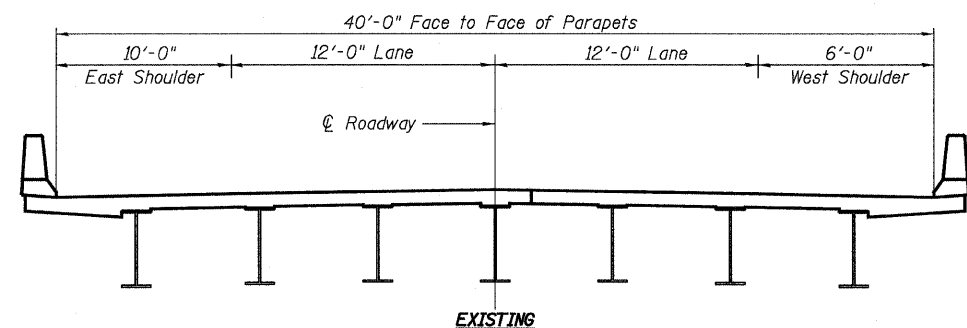
ABNA
9901 S. Western Ave.
Chicago, IL 60643
Ph. 773-881-4788
F: 773.239.3728
DESIGN FIRM REG. 184.002117



LOCATION SKETCH

DESIGNED	TPP
CHECKED	RJL
DRAWN	JS/SCS
CHECKED	TPP

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PROPOSED CONSTRUCTION STAGING
(Looking South at Oncoming Traffic)

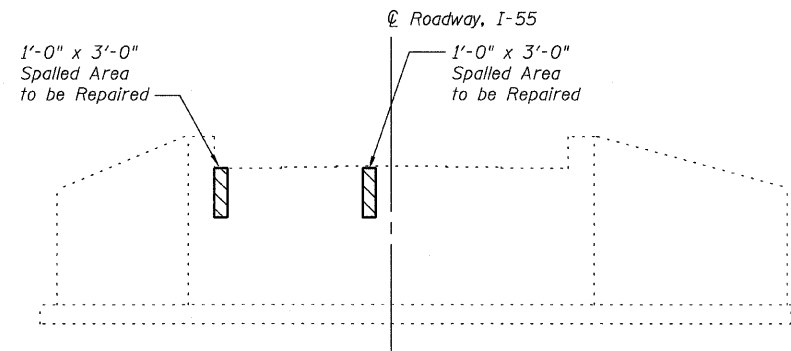
CONSTRUCTION STAGING
I-55 NORTHBOUND OVER
ILLINOIS & MICHIGAN CANAL
SEC. 86(VB-I-R, B-R-I, B-I-BR)
WILL COUNTY
STATION 989+92.36
STRUCTURE NO. 099-0289

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CHECKED	RJL
DRAWN	JS/SCS
CHECKED	TPP

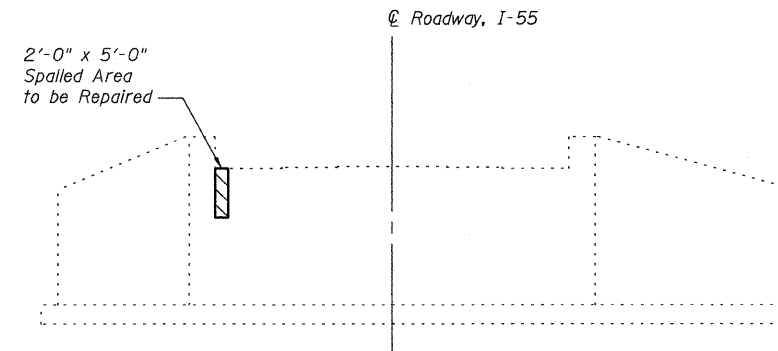
ABNA
9901 S. Western Ave.
Chicago, IL 60643
Ph. 773-881-4788
F: 773.239.3728
DESIGN FIRM REG. 184.002117

SHEET NO. 2 6 SHEETS	E.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (I-55) RS-12	WILL	110	73
FED. ROAD DIST. NO. -			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60K04					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION




ELEVATION - SOUTH ABUTMENT



ELEVATION - NORTH ABUTMENT

LEGEND

 Structural Repair of Concrete (Depth equal to or less than 5 in.)

SUBSTRUCTURE REPAIRS
I-55 NORTHBOUND OVER
ILLINOIS & MICHIGAN CANAL
SEC. 86(VB-I-R, B-R-I, B-I-BR)
WILL COUNTY
STATION 989+92.36
STRUCTURE NO. 099-0289

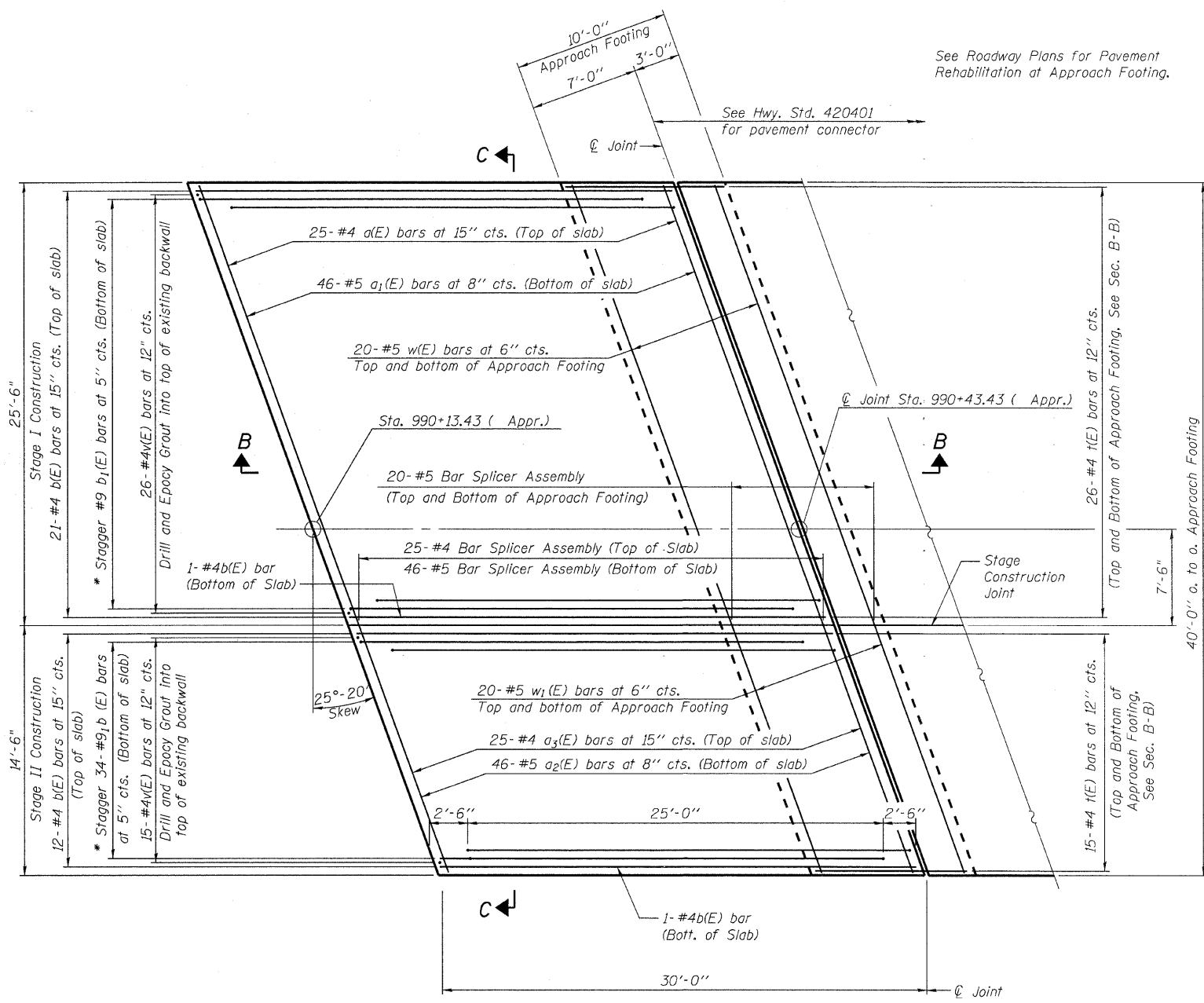
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CHECKED	RJL
DRAWN	JS/SCS
CHECKED	TPP

 **ABNA**
9901 S. Western Ave.
Chicago, IL 60643
Ph. 773-881-4788
F: 773.239.3728
DESIGN FIRM REG. 184.002117

SHEET NO. 3 6 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (1.e.2) RS-12	WILL	110	74
FED. ROAD DIST. NO. _			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60K04					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

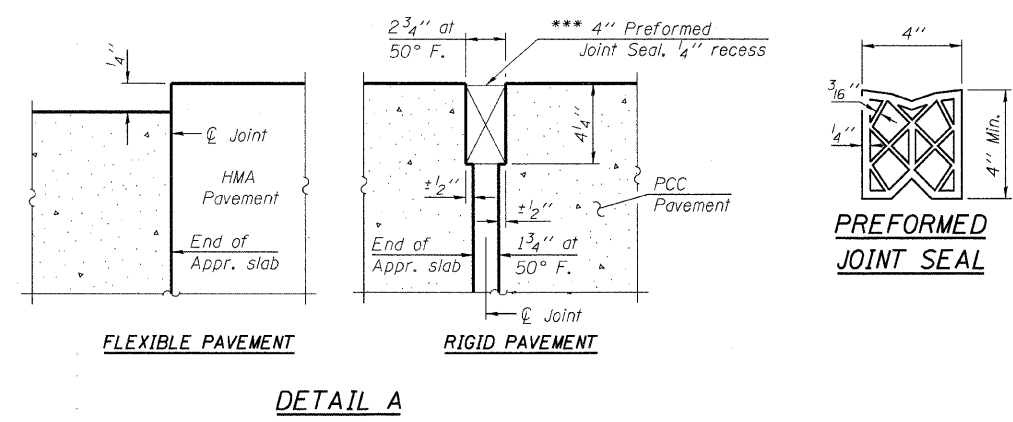
Notes:
See sheet 5 of 6 for Sections B-B and C-C.
a(E) and a₁(E) bar spacings measured along \perp Rdwy.



See Roadway Plans for Pavement Rehabilitation at Approach Footing.

See Hwy. Std. 420401 for pavement connector

*** Cost included with Concrete Superstructure.



PLAN

*Tilt #9 b₁(E) bars as required to maintain clearance.

BRIDGE APPROACH SLAB DETAILS
I-55 NORTHBOUND OVER
ILLINOIS & MICHIGAN CANAL
SEC. 86(VB-I-R, B-R-I, B-I-BR)
WILL COUNTY
STATION 989+92.36
STRUCTURE NO. 099-0289

DESIGNED	TPP
CHECKED	RJL
DRAWN	JS/SCS
CHECKED	TPP

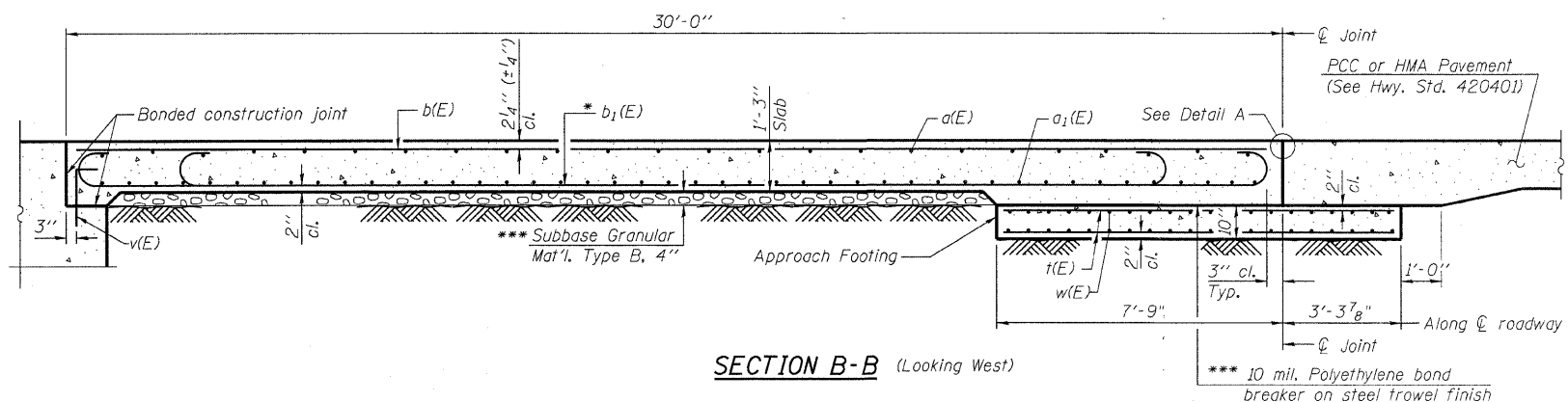
ABNA
9901 S. Western Ave.
Chicago, IL 60643
Ph. 773-881-4788
F: 773.239.3728
DESIGN FIRM REG. 184.002117

SHEET NO. 4 6 SHEETS	E.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (1+2) 2s-12	WILL	110	75
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60K04		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

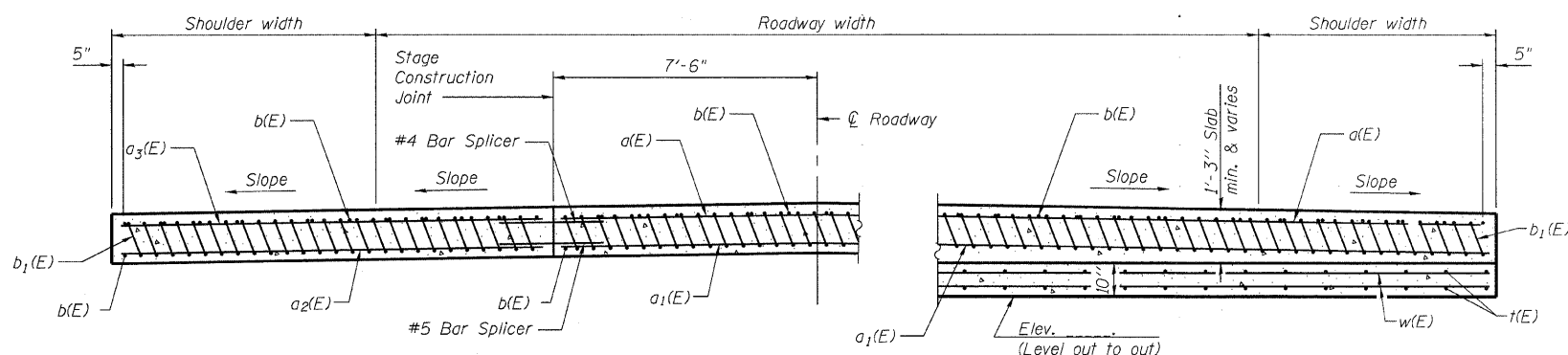
Notes:

See sheet 4 of 6 for Detail A.
Approach slab and parapet concrete shall be paid for as Concrete Superstructure.
Approach footing concrete shall be paid for as Concrete Structures.
Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
For bar splicer details, see sheet 5 of 6.
Cost of excavation for approach footing included with Concrete Structures.



SECTION B-B (Looking West)

*** 10 mil. Polyethylene bond breaker on steel trowel finish



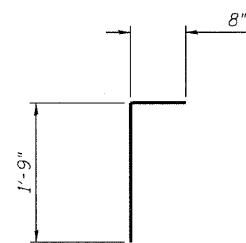
SECTION C-C (Looking South)
(See Plan for dimensions not shown)

AT APPROACH FOOTING

* Tilt #9 b₁(E) bars as required to maintain clearance.
*** Cost included with Concrete Superstructure.

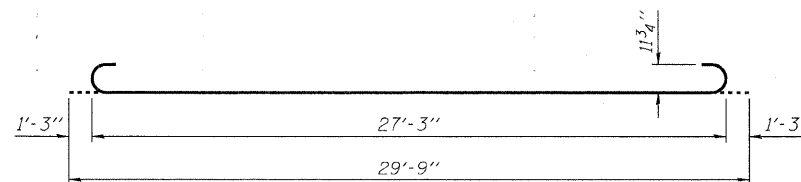
BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
a ₁ (E)	25	#4	27'-11"	—	
a ₂ (E)	46	#5	27'-11"	—	
a ₃ (E)	46	#5	15'-9"	—	
a ₃ (E)	25	#4	15'-9"	—	
b(E)	35	#4	29'-8"	—	
b ₁ (E)	94	#9	29'-9"	⌋	
t(E)	82	#4	10'-9"	—	
v(E)	41	#4	2'-5"	└	
w(E)	40	#5	27'-11"	—	
w ₁ (E)	40	#5	15'-9"	—	
Concrete Superstructure				Cu. Yd.	60
Concrete Structures				Cu. Yd.	13.7
Reinforcement Bars, Epoxy Coated				Pound	15,500



BAR v(E)

#4v(E) epoxy grouted bars in accordance with Art. 584 of the Standard Specifications. Cost included with Reinforcing Bars



BAR b₁(E)

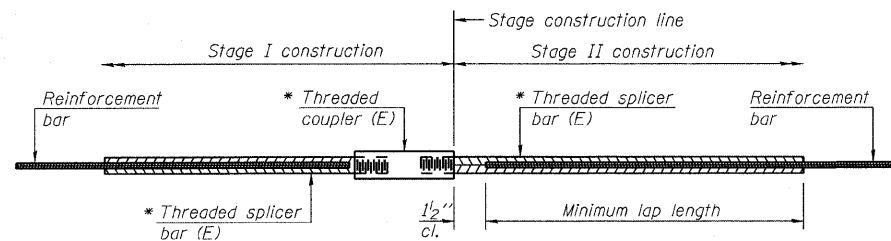
BRIDGE APPROACH SLAB DETAILS
I-55 NORTHBOUND OVER
ILLINOIS & MICHIGAN CANAL
SEC. 86(VB-I-R, B-R-I, B-I-BR)
WILL COUNTY
STATION 989+92.36
STRUCTURE NO. 099-0289

DESIGNED	TPP
CHECKED	RJL
DRAWN	JS/SCS
CHECKED	TPP

ABNA
9901 S. Western Ave.
Chicago, IL 60643
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SHEET NO. 5 6 SHEETS	E.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99(1+2) 2S-12	WILL	110	76
FED. ROAD DIST. NO. ILLINOIS			FED. AID PROJECT		
			CONTRACT NO. 60K04		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



STANDARD BAR SPLICER ASSEMBLY

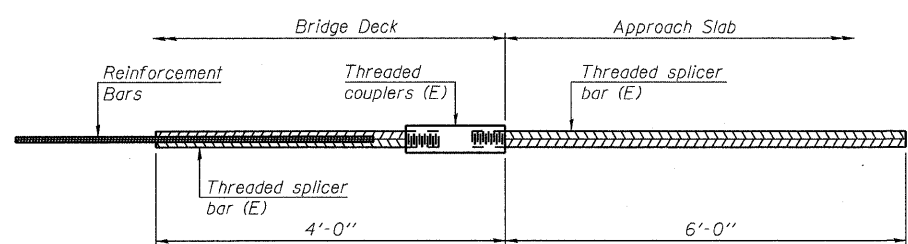
Bar size to be spliced	Minimum Lap Lengths			
	Table 1	Table 2	Table 3	Table 4
3, 4	1'-5"	1'-11"	2'-1"	2'-4"
5	1'-9"	2'-5"	2'-7"	2'-11"
6	2'-1"	2'-11"	3'-1"	3'-6"
7	2'-9"	3'-10"	4'-2"	4'-8"
8	3'-8"	5'-1"	5'-5"	6'-2"
9	4'-7"	6'-5"	6'-10"	7'-9"

Table 1: Black bar, 0.8 Class C
Table 2: Black bar, Top bar lap, 0.8 Class C
Table 3: Epoxy bar, 0.8 Class C
Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Threaded splicer bar length = min. lap length + 1/2" + thread length

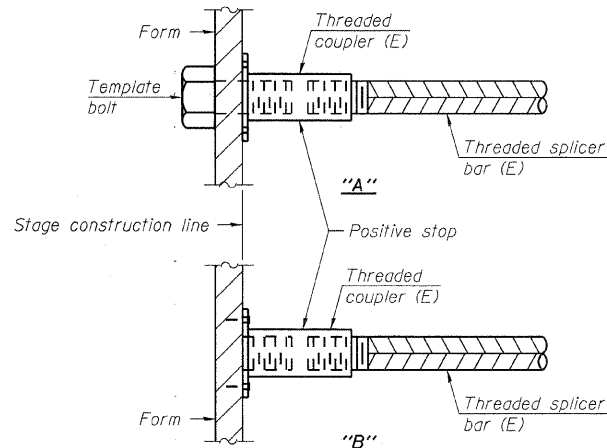
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Approach Slab	#4	25	Table 4
Approach Footing	#5	40	Table 3
Approach Footing	#5	46	Table 3



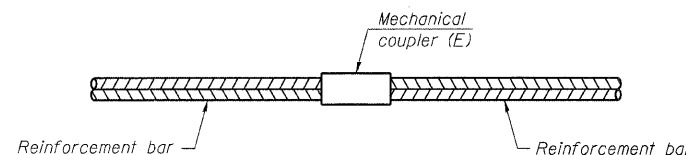
BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =



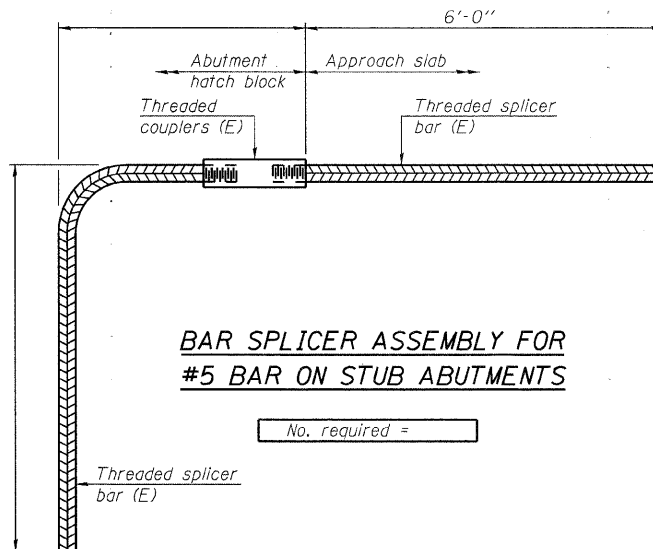
INSTALLATION AND SETTING METHODS

"A": Set bar splicer assembly by means of a template bolt.
"B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E): Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See special provision for Mechanical Splicers.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

**BAR SPLICER ASSEMBLY
AND MECHANICAL SPLICER DETAILS
I-55 NORTHBOUND OVER
ILLINOIS & MICHIGAN CANAL
SEC. 86(VB-I-R, B-R-I, B-I-BR)
WILL COUNTY
STATION 989+92.36
STRUCTURE NO. 099-0289**

DESIGNED	TPP
CHECKED	RJL
DRAWN	JS/SCS
CHECKED	TPP

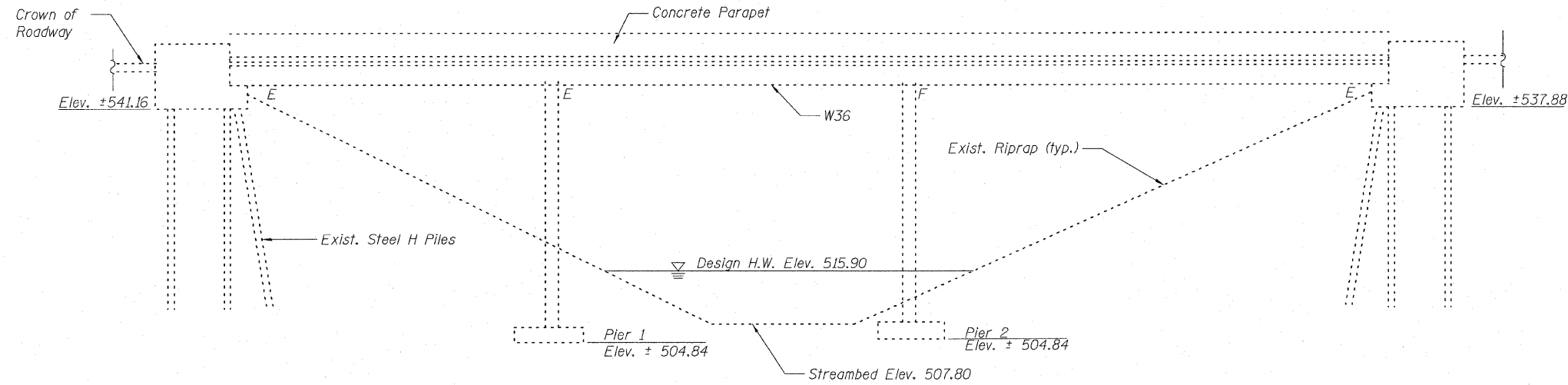
ABNA
9901 S. Western Ave.
Chicago, IL 60643
Ph. 773-881-4788
F. 773.239.3728
DESIGN FIRM REG. 184,002117

SHEET NO.	E.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6	55	99(1+2)RS-12	WILL	110	77
6 SHEETS			CONTRACT NO. 60K04		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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.

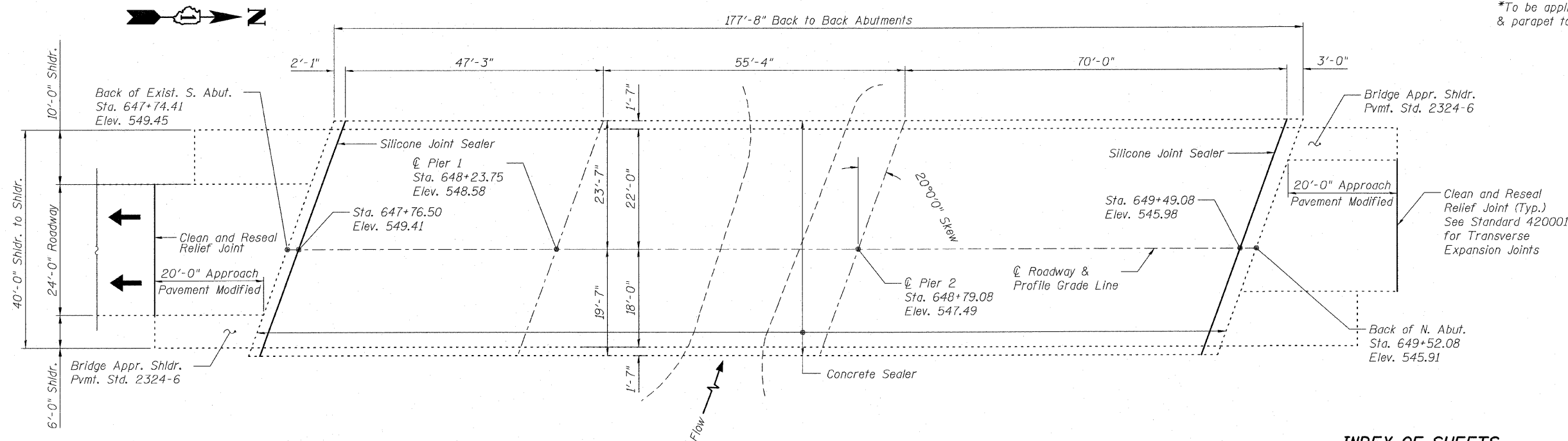


ELEVATION

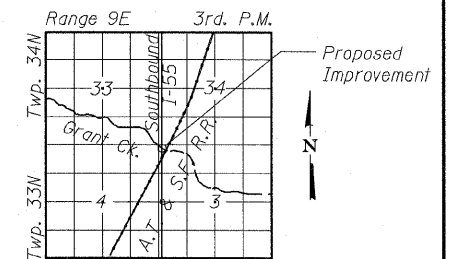
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
* Concrete Sealer	Sq. Ft.	8446
Silicone Joint Sealer	Foot	92
Deck Slab Repair (Partial)	Sq. Yd.	1.0
Bridge Deck Concrete Crack Sealer	Foot	50
Clean and Reseal Relief Joint	Foot	48

*To be applied to deck surface, parapet face, & parapet top.



PLAN



LOCATION SKETCH

**GENERAL PLAN & ELEVATION
I-55 SOUTHBOUND OVER
GRANT CREEK
F.A.I RT. 55 - SEC. 87R
WILL COUNTY
STATION 648+62.79
STRUCTURE NO. 099-0005**

INDEX OF SHEETS:

1. General Plan & Elevation
2. Cross Section & Construction Staging
3. Deck Repairs & Joint Detail

DESIGNED	BRT
CHECKED	BJM
DRAWN	JNH
CHECKED	BJM



B. Robert Tessitore
B. Robert Tessitore Date
Expires: 11-30-10

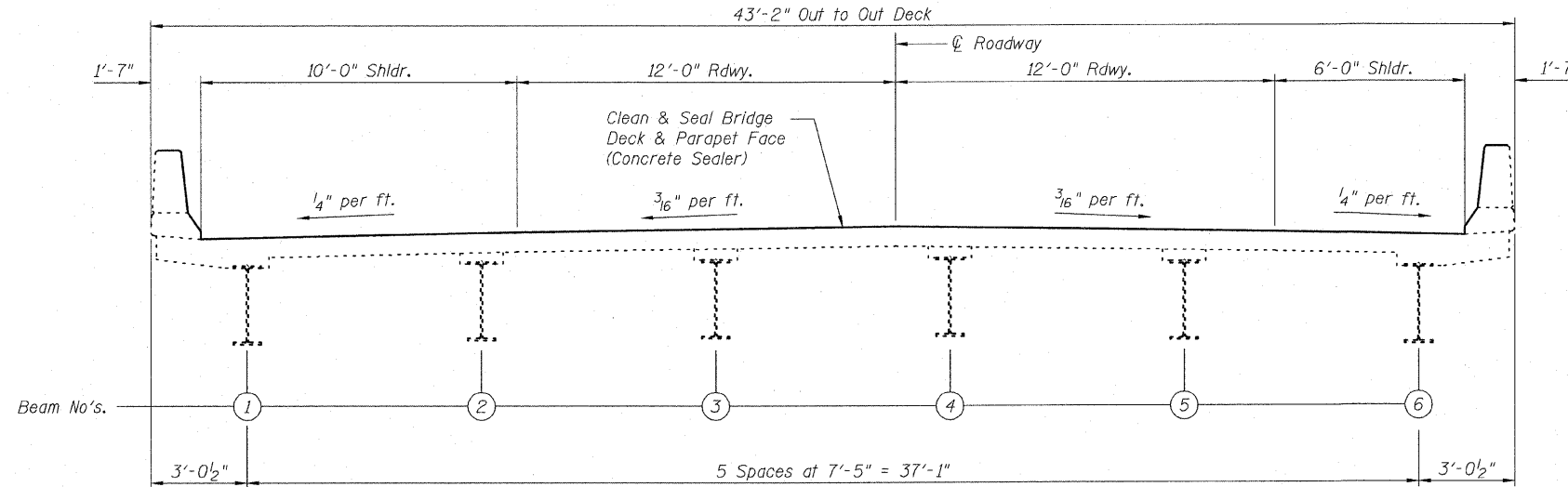


Wight & Company
2500 North Frontage Road, Darien, IL 60561
630.969.7000 630.969.7979 fax
Design Firm Registration 184-000451

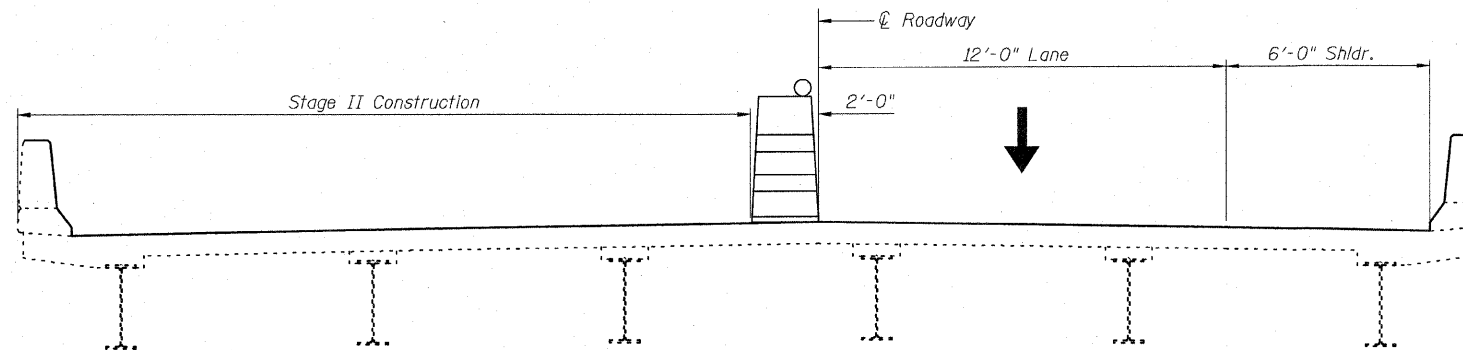
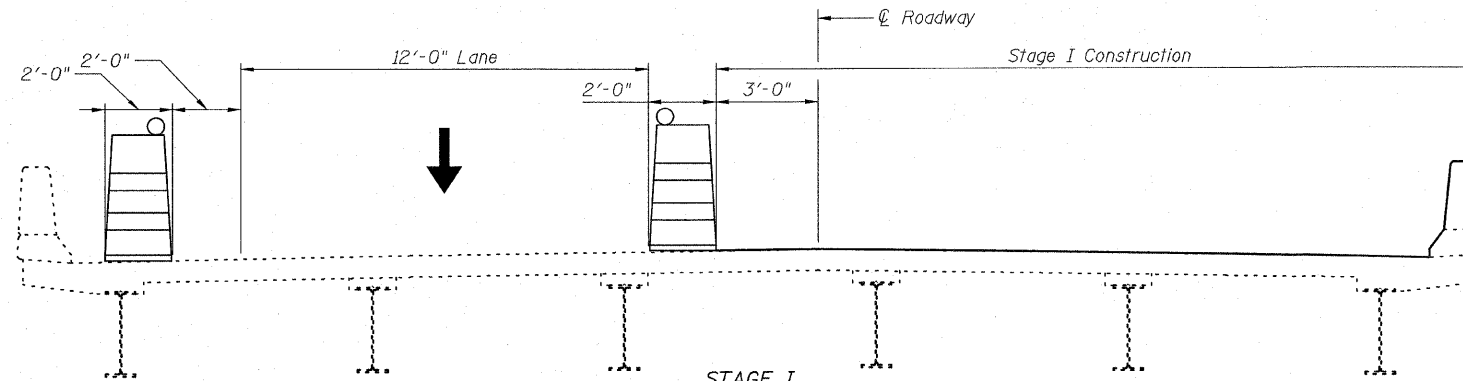
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	55	99 (1+2) R5-12	WILL	110	78
3 SHEETS		CONTRACT NO. 60K04			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



CROSS SECTION
(LOOKING NORTH)



CONSTRUCTION STAGING

**CROSS SECTION &
CONSTRUCTION STAGING
STRUCTURE NO. 099-0005**

DESIGNED	BRT
CHECKED	BJM
DRAWN	JNH
CHECKED	BJM



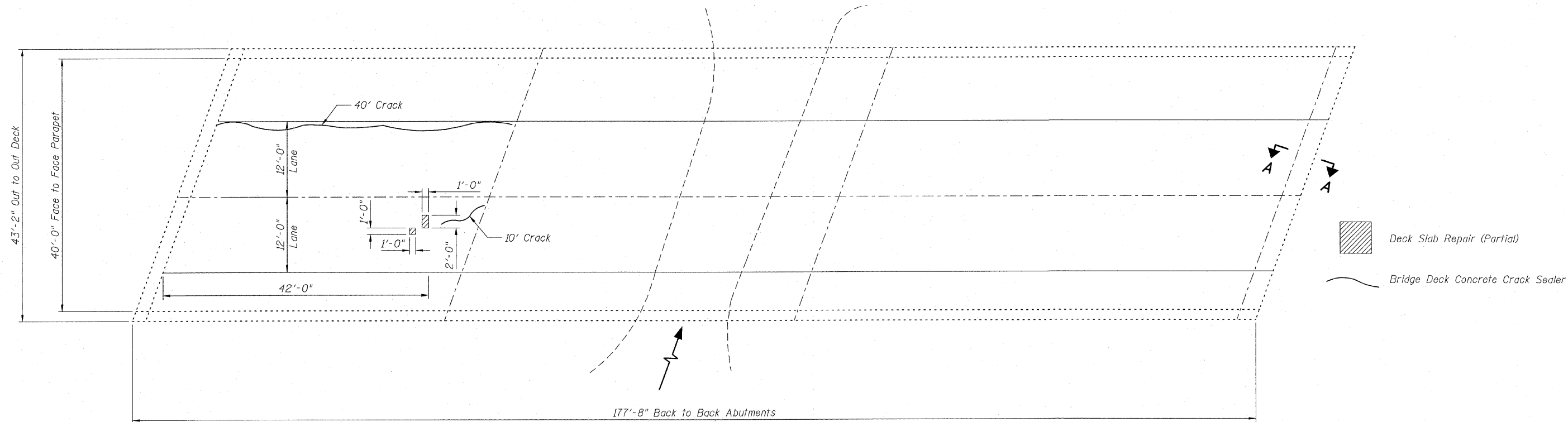
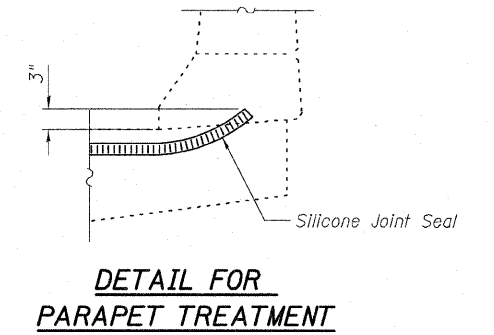
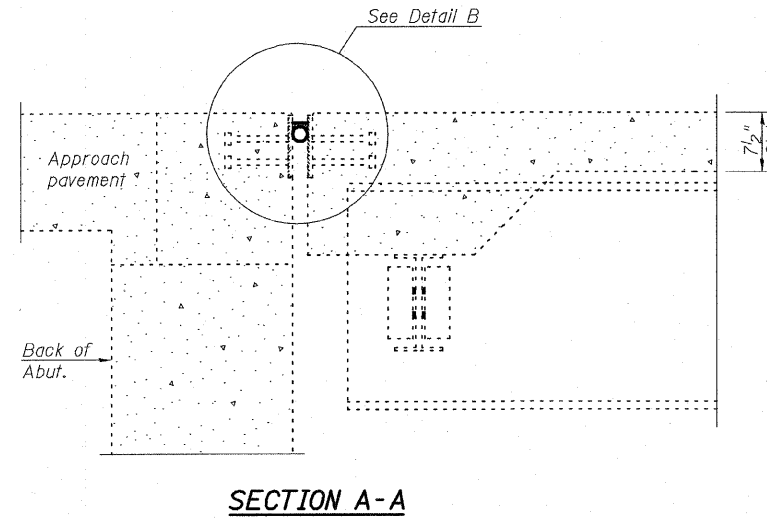
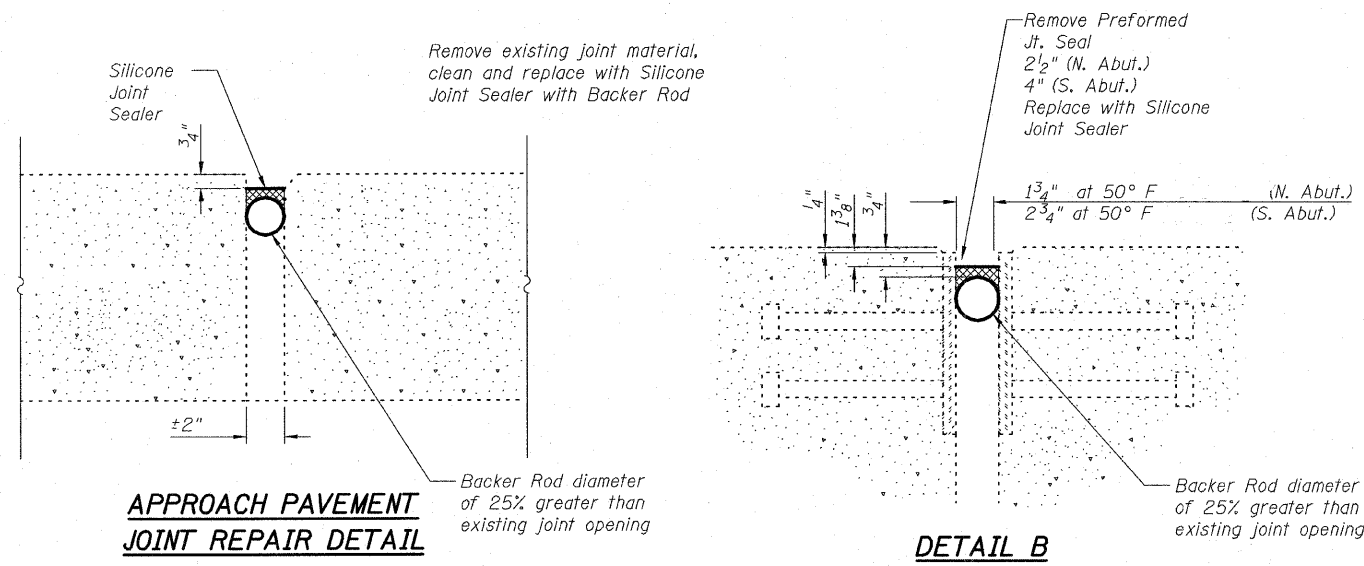
Wight & Company
2500 North Frontage Road, Darien, IL 60561
630.969.7000 630.969.7979 fax
Design Firm Registration 184-000451

SHEET NO. 2 3 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (1+2) RS-12	WILL	110	79
			CONTRACT NO. 60K04		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOTE:

The limits and locations of repairs shown on the Deck Plan are taken from the most recent Survey performed by the District in October 2009.



DECK PLAN

DECK REPAIRS & JOINT DETAIL
STRUCTURE NO. 099-0005

DESIGNED	BRT
CHECKED	BJM
DRAWN	JNH
CHECKED	BJM



Wight & Company
2500 North Frontage Road, Darien, IL 60561
630.969.7000 630.969.7979 fax
Design Firm Registration 184-000451

SHEET NO. 3 3 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (1+2) RS-12	WILL	110	80
			CONTRACT NO. 60K04		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

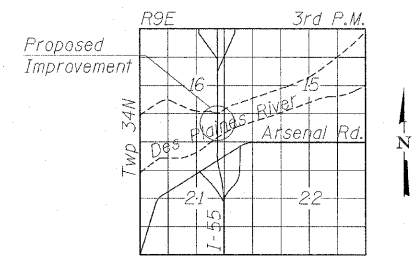
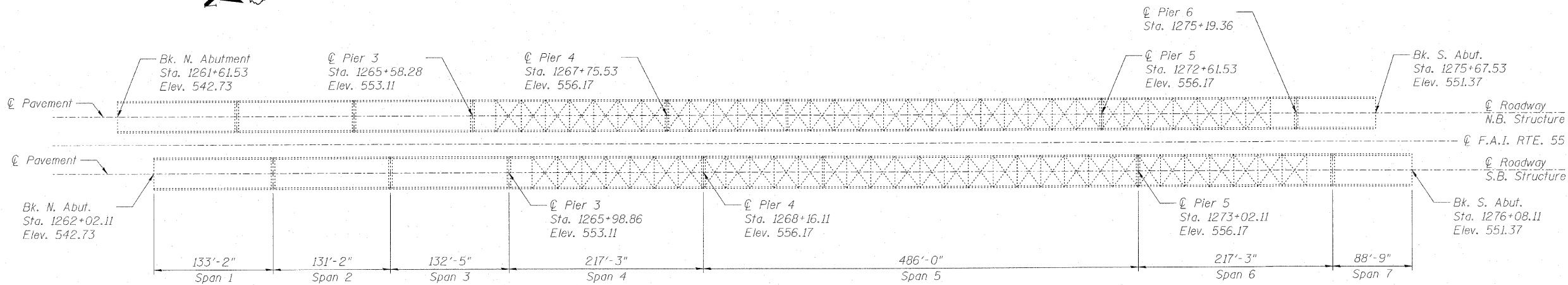


ELEVATION

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Bituminous Materials (Prime Coat)	Gal.	59
Work Zone Pavement Marking Removal	Sq. Ft.	837
Thermoplastic Pavement Marking - Line 4"	Ft.	1841
Thermoplastic Pavement Marking - Line 5"	Ft.	230
Pavement Marking Removal	Sq. Ft.	581
Wet Reflective Temporary Tape, Type III, 4"	Ft.	1935
Wet Reflective Temporary Tape, Type III, 5"	Ft.	460
Partial Depth Patch, Mix "F", N90	Ton	33.1
Asphaltic Emulsion Slurry Seal	Sq. Yd.	3324

All deck surface on spans 4, 5, & 6 will have Asphaltic Emulsion Slurry Seal.



LOCATION SKETCH

GENERAL NOTES

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.

The Contractor should use caution when removing the existing HMA as not to damage the existing waterproofing membrane system. Any damage is to be repair at the Contractor's expense.

The Contractor must take extreme care so that the slurry material does not drain into the Des Plaines River. The deck drains must be plugged to the satisfaction of the Resident Engineer. The cost for this will be incidental to the slurry seal application.

INDEX OF SHEETS:

1. General Plan and Elevation
2. Cross Section & Staging
3. Deck Plan - Span 4 & 5
4. Deck Plan - Span 5 & 6

GENERAL PLAN AND ELEVATION
I-55 SB OVER DES PLAINES RIVER
F.A.I. RTE. 55 - SEC. 87BD-I-8
WILL COUNTY
STATION 1268+84.82
STRUCTURE NO. 099-0008

DESIGNED	BRT
CHECKED	BJM
DRAWN	JNH
CHECKED	BJM



B. Robert Tessitore
B. Robert Tessitore Date
Expires: 11-30-10

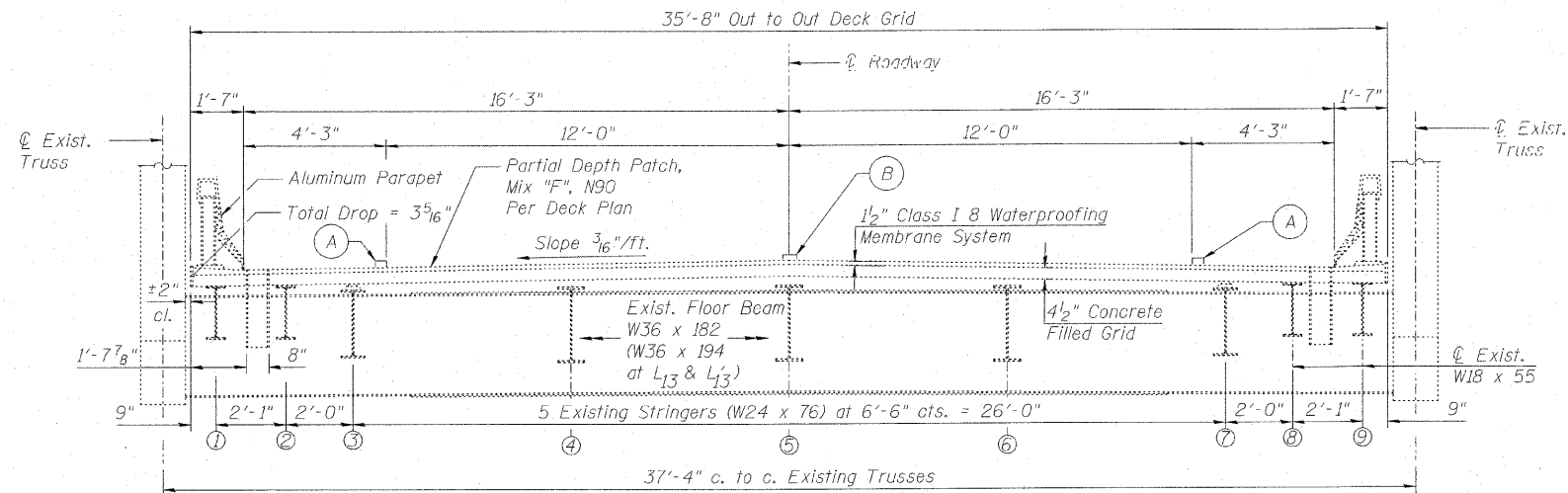
02-24-2010



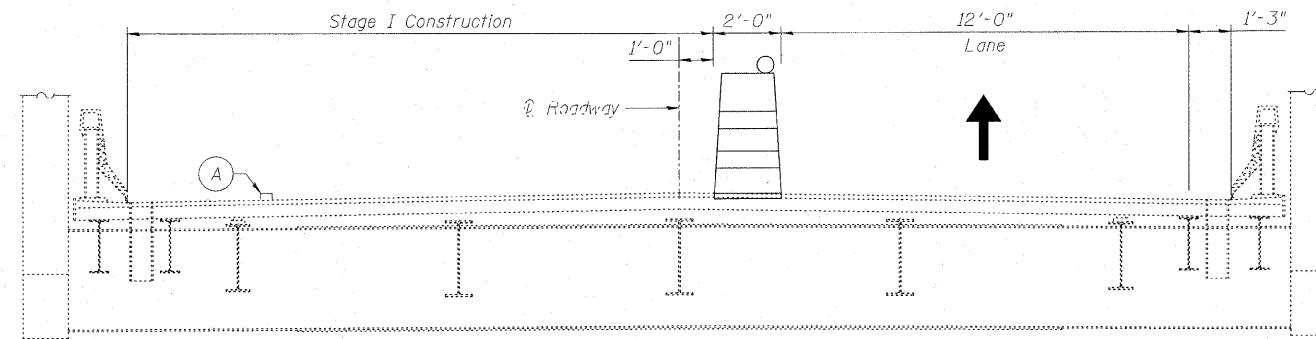
Wight & Company
2500 North Frontage Road, Darien, IL 60561
630.969.7000 630.969.7979 fax
Design Firm Registration 184-000451

SHEET NO. 1 4 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60K04					
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

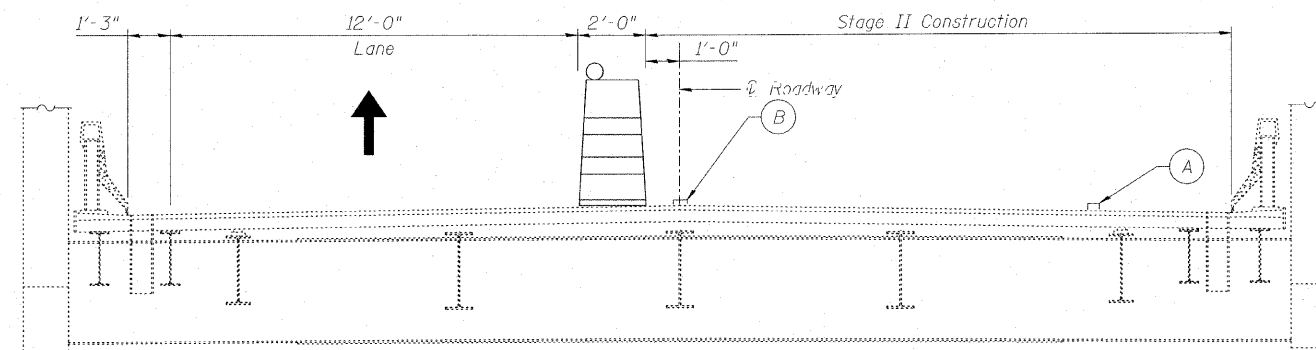
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



CROSS SECTION



STAGE I
(LOOKING SOUTH)



STAGE II
(LOOKING SOUTH)

CONSTRUCTION STAGING

NOTES:

- (A) Wet Reflective Temporary Tape, Type III, 4" to be placed following completion of Asphaltic Emulsion Slurry Seal. Thermoplastic Pavement Marking - Line 4" to be applied 7 days after Asphaltic Emulsion Slurry Seal application.
- (B) Wet Reflective Temporary Tape, Type III, 5" (10' dash - 30' skip) to be placed immediately following placement of Partial Depth Patch, Mix "F", N90. Wet Reflective Temporary Tape, Type III, 5" (10' dash - 30' skip) to be placed following completion of Asphaltic Emulsion Slurry Seal application. Thermoplastic Pavement Marking Line 4" to be applied 7 days after Asphaltic Emulsion Slurry Seal.

CROSS SECTION &
CONSTRUCTION STAGING
STRUCTURE NO. 099-0008

DESIGNED	BRT
CHECKED	BJM
DRAWN	JNH
CHECKED	BJM

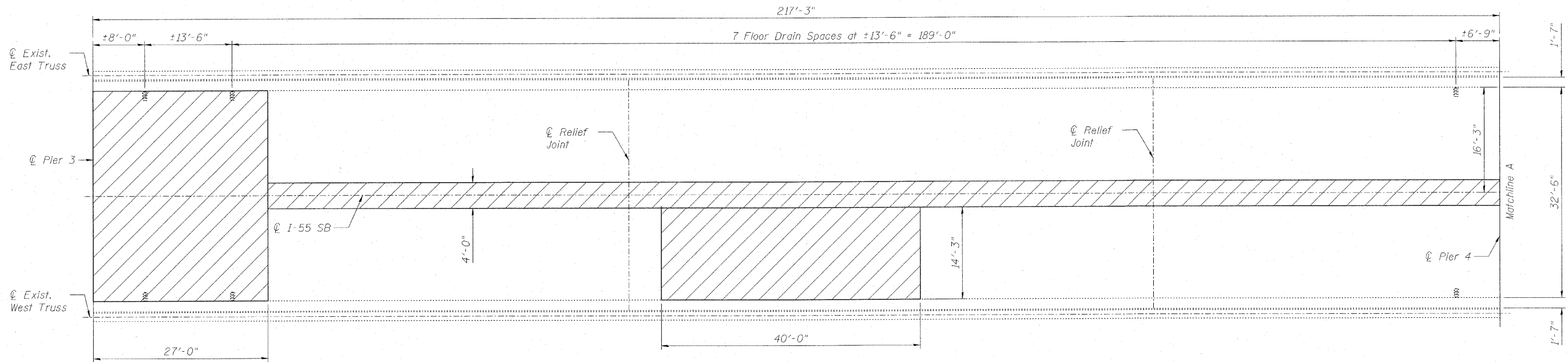


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630.969.7000 630.969.7979 fax
Design Firm Registration 184-000451

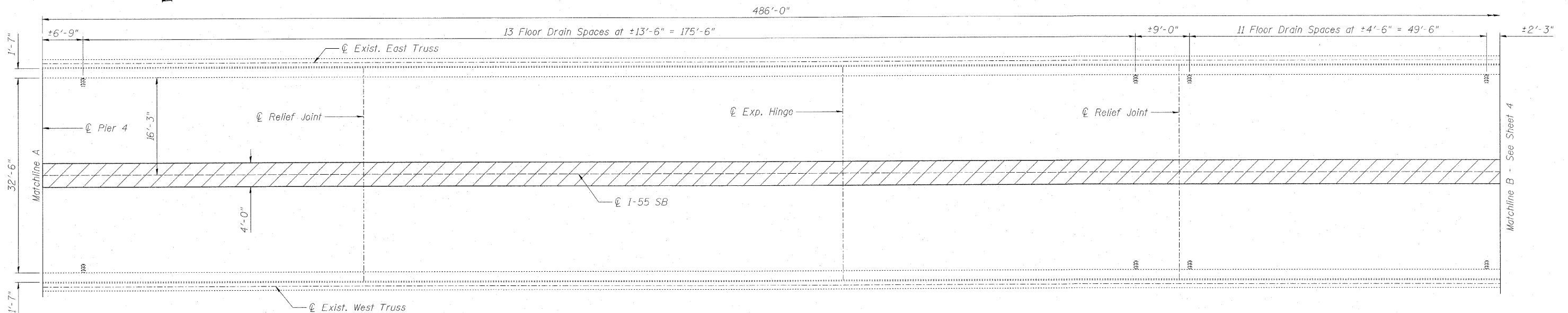
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			CONTRACT NO. 60K04		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOTE:
The limits and locations of Partial Depth Patch, Mix "F", N90 shown on the Deck Plan are taken from the most recent Survey performed by the District in October 2009.



REPAIR PLAN - SPAN 4




REPAIR PLAN - SPAN 5

DECK REPAIR PLANS
SPANS 4 & 5
STRUCTURE NO. 099-0008

DESIGNED	BRT
CHECKED	BJM
DRAWN	JNH
CHECKED	BJM

LEGEND:

 Partial Depth Patch, Mix "F", N90



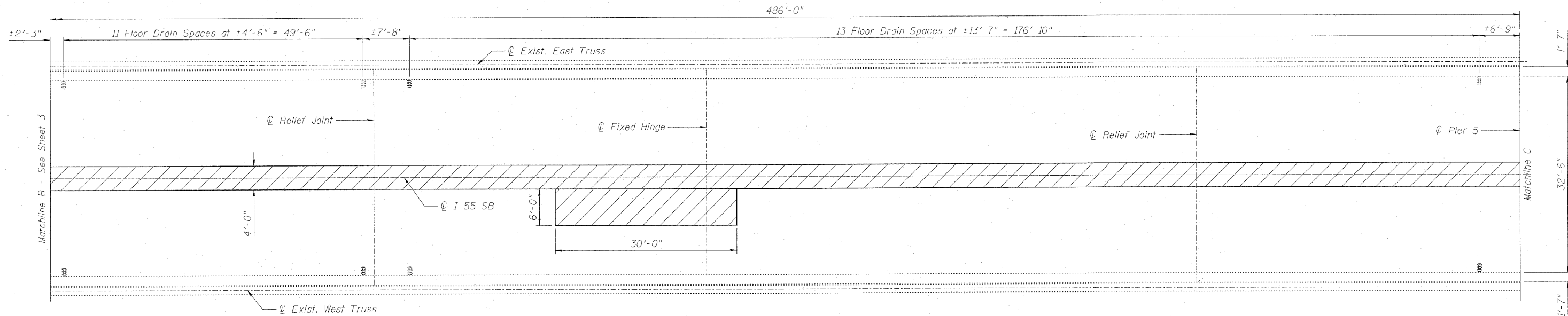
Wight & Company
2500 North Frontage Road . Darien . IL 60561
630.969.7000 630.969.7979 fax
Design Firm Registration 184-000451

SHEET NO. 3 4 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60K04					
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

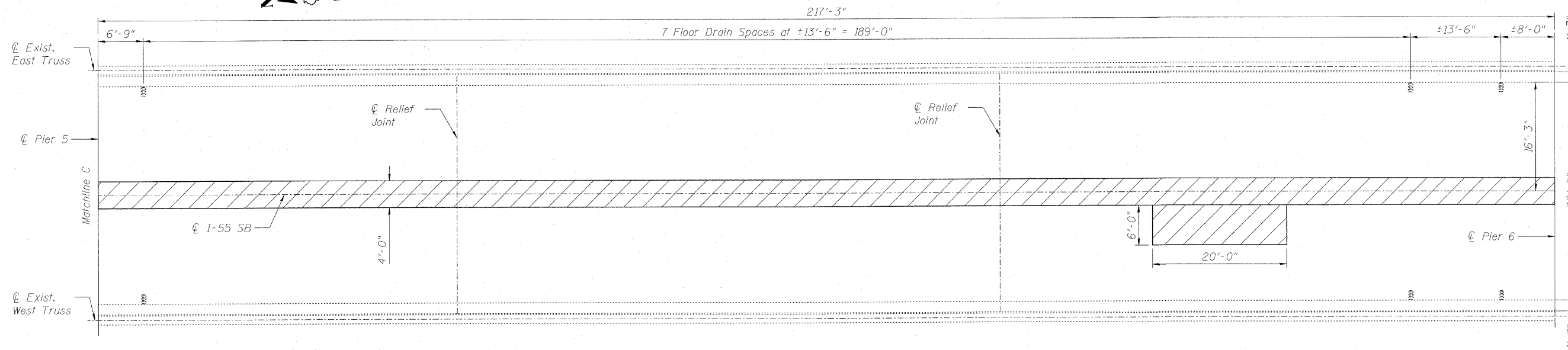
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOTE:

The limits and locations of Partial Depth Patch, Mix "F", N90 shown on the Deck Plan are taken from the most recent Survey performed by the District in October 2009.



REPAIR PLAN - SPAN 5



REPAIR PLAN - SPAN 6

DECK REPAIR PLANS
SPANS 5 & 6
STRUCTURE NO. 099-0008

LEGEND:



Partial Depth Patch, Mix "F", N90

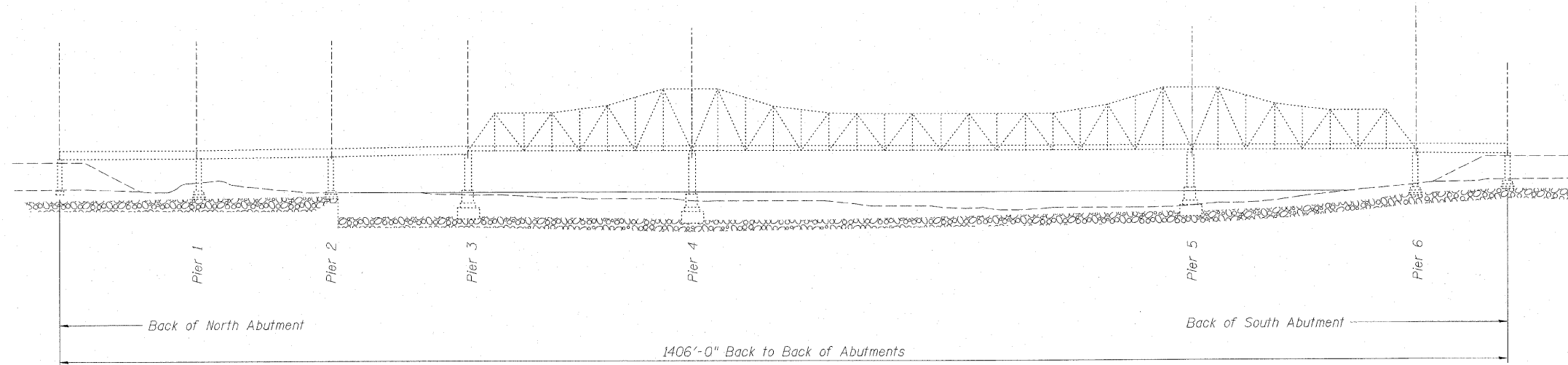


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2500 North Frontage Road, Darien, IL 60561
630.969.7000 630.969.7979 fax
Design Firm Registration 184-000451

DESIGNED	BRT
CHECKED	BJM
DRAWN	JNH
CHECKED	BJM

SHEET NO. 4 4 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (1&2) RS-12	WILL	110	84
CONTRACT NO. 60K04					
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

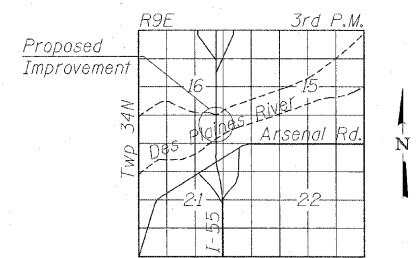
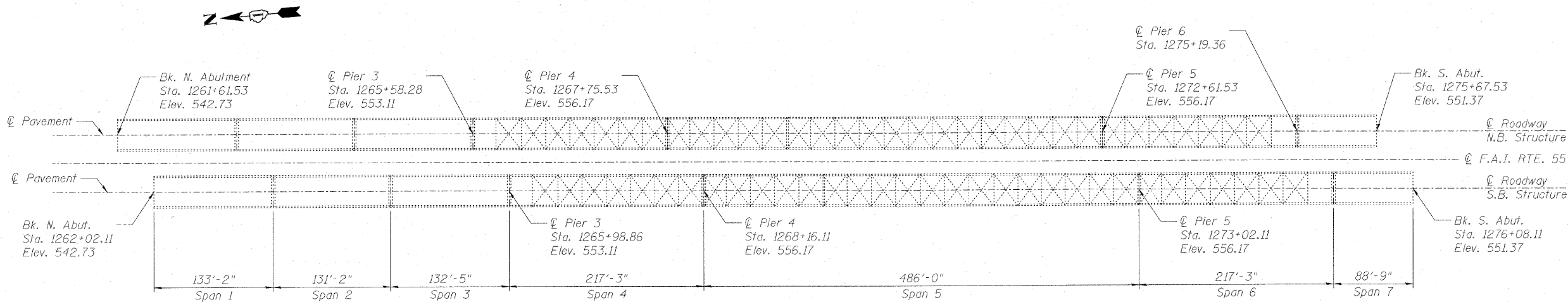


ELEVATION

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Bituminous Materials (Prime Coat)	Gal.	40
Work Zone Pavement Marking Removal	Sq. Ft.	801
Thermoplastic Pavement Marking - Line 4"	Ft.	1841
Thermoplastic Pavement Marking - Line 5"	Ft.	230
Pavement Marking Removal	Sq. Ft.	567
Wet Reflective Temporary Tape, Type III, 4"	Ft.	1976
Wet Reflective Temporary Tape, Type III, 5"	Ft.	340
Partial Depth Patch, Mix "F", N90	Ton	22.3
Asphaltic Emulsion Slurry Seal	Sq. Yd.	3324

All deck surface on spans 4, 5, & 6 will have Asphaltic Emulsion Slurry Seal.



LOCATION SKETCH

GENERAL NOTES

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.

The Contractor should use caution when removing the existing HMA as not to damage the existing waterproofing membrane system. Any damage is to be repair at the Contractor's expense.

The Contractor must take extreme care so that the slurry material does not drain into the Des Plaines River. The deck drains must be plugged to the satisfaction of the Resident Engineer. The cost for this will be incidental to the slurry seal application.

INDEX OF SHEETS:

1. General Plan and Elevation
2. Cross Section & Staging
3. Deck Plan - Span 4 & 5
4. Deck Plan - Span 5 & 6

GENERAL PLAN AND ELEVATION
I-55 NB OVER DES PLAINES RIVER

F.A.I. RTE. 55 - SEC. 87BD-I-8

WILL COUNTY

STATION 1268+84.82

STRUCTURE NO. 099-0009

DESIGNED	BRT
CHECKED	BJM
DRAWN	JNH
CHECKED	BJM



B. Robert Tessitore
Expires: 11-30-10

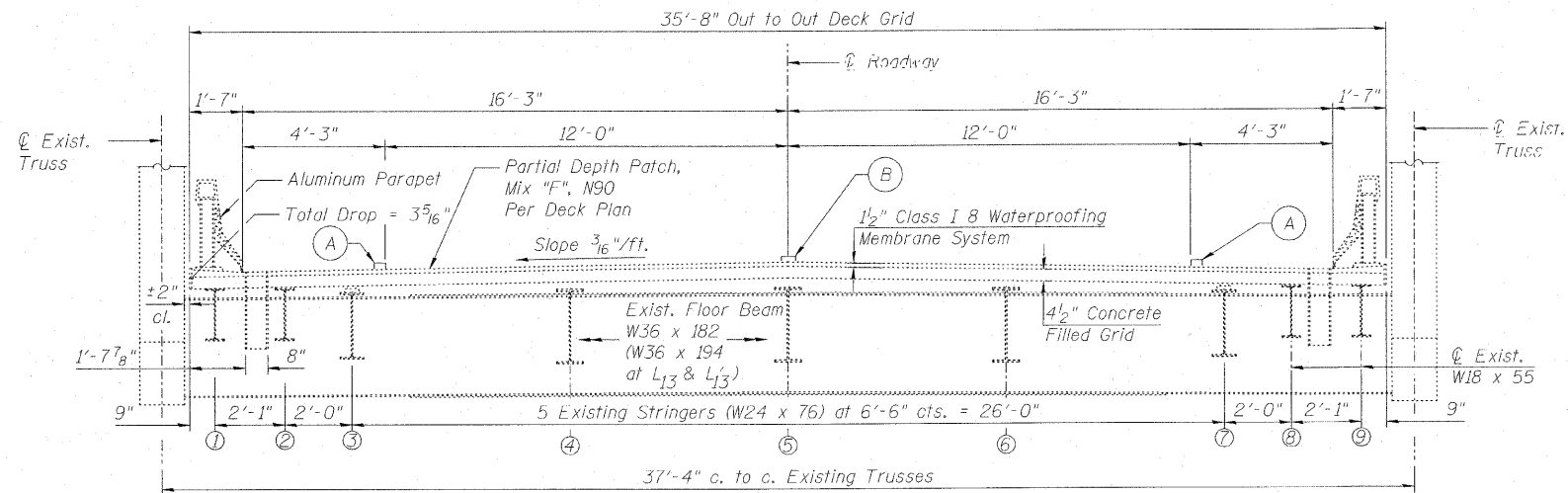
02-24-2010
Date



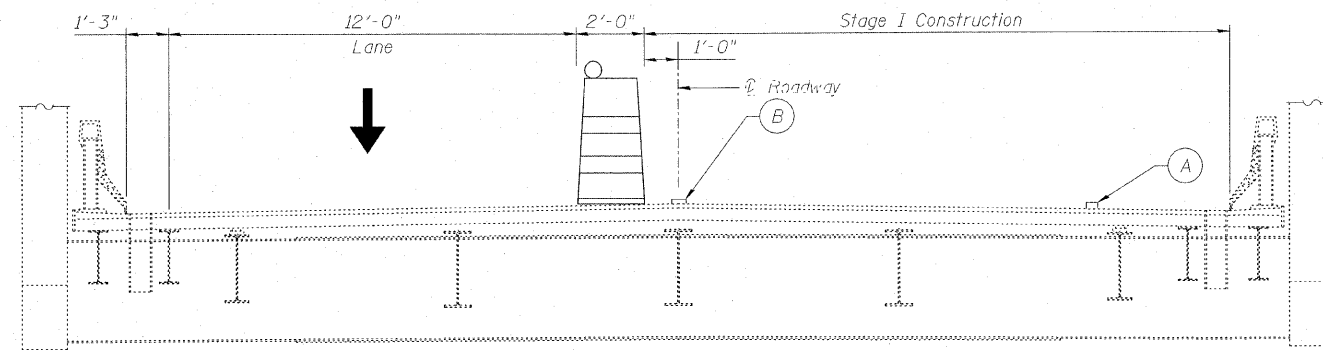
Wight & Company
2500 North Frontage Road . Darien . IL 60561
630.969.7000 630.969.7979 fax
Design Firm Registration 184-000451

SHEET NO. 1 4 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 60K04	
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT		

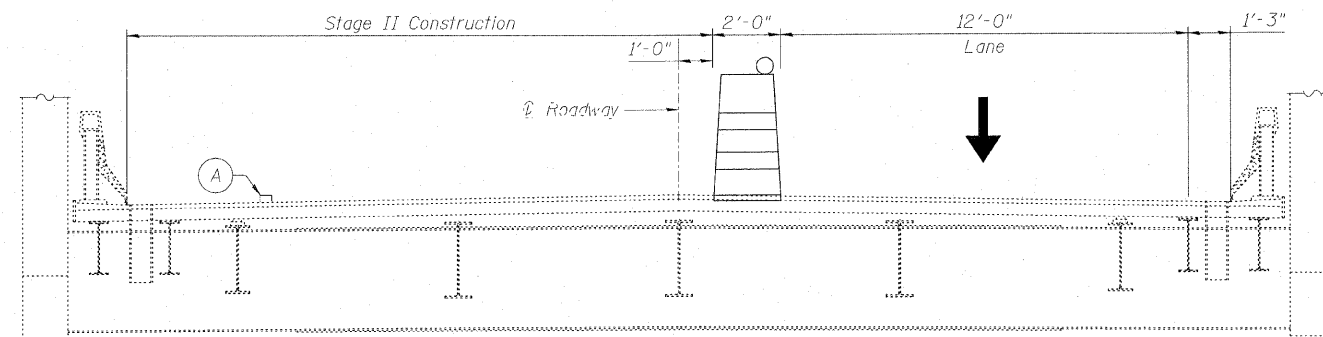
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



CROSS SECTION



STAGE I
(LOOKING SOUTH)



STAGE II
(LOOKING SOUTH)

CONSTRUCTION STAGING

NOTES:

- (A) Wet Reflective Temporary Tape, Type III, 4" to be placed following completion of Asphaltic Emulsion Slurry Seal. Thermoplastic Pavement Marking - Line 4" to be applied 7 days after Asphaltic Emulsion Slurry Seal application.
- (B) Wet Reflective Temporary Tape, Type III, 5" (10' dash - 30' skip) to be placed immediately following placement of Partial Depth Patch, Mix "F", N90. Wet Reflective Temporary Tape, Type III, 5" (10' dash - 30' skip) to be placed following completion of Asphaltic Emulsion Slurry Seal application. Thermoplastic Pavement Marking Line 4" to be applied 7 days after Asphaltic Emulsion Slurry Seal.

CROSS SECTION &
CONSTRUCTION STAGING
STRUCTURE NO. 099-0009

DESIGNED	BRT
CHECKED	BJM
DRAWN	JNH
CHECKED	BJM

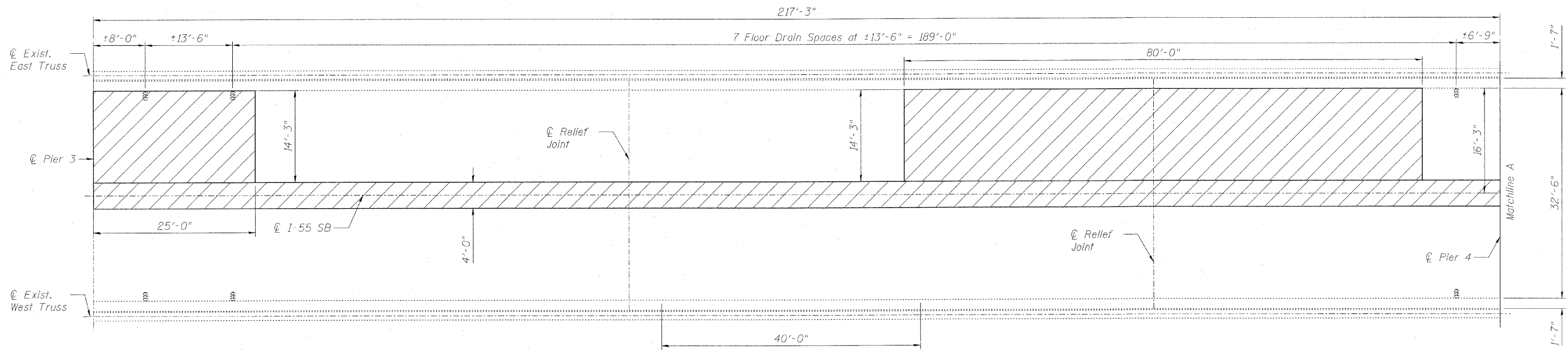


Wight & Company
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630.969.7000 630.969.7979 fax
Design Firm Registration 184-000451

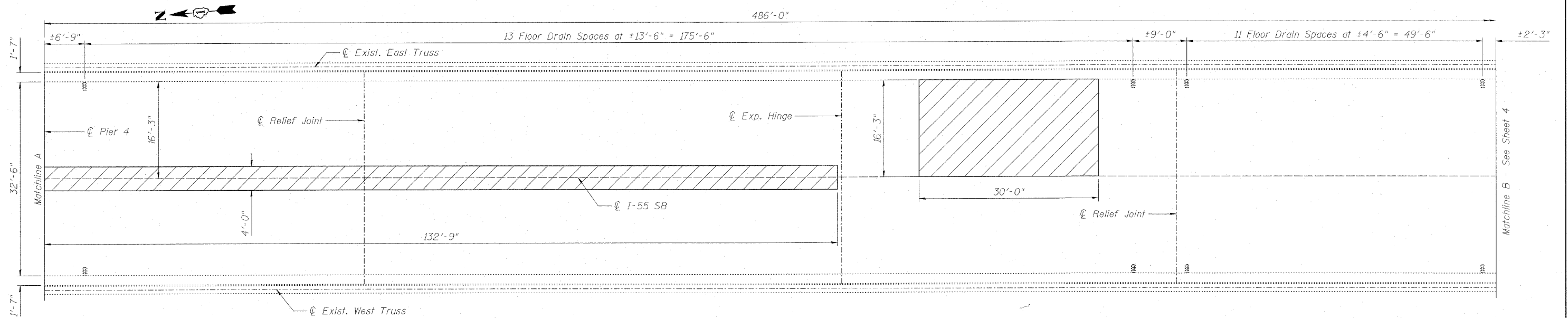
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			CONTRACT NO. 60K04		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOTE:
The limits and locations of Partial Depth Patch, Mix "F", N90 shown on the Deck Plan are taken from the most recent Survey performed by the District in October 2009.



REPAIR PLAN - SPAN 4




REPAIR PLAN - SPAN 5

DECK REPAIR PLANS
SPANS 4 & 5
STRUCTURE NO. 099-0009

DESIGNED	BRT
CHECKED	BJM
DRAWN	JNH
CHECKED	BJM

LEGEND:

 Partial Depth Patch, Mix "F", N90



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630.969.7000 630.969.7979 fax
Design Firm Registration 184-000451

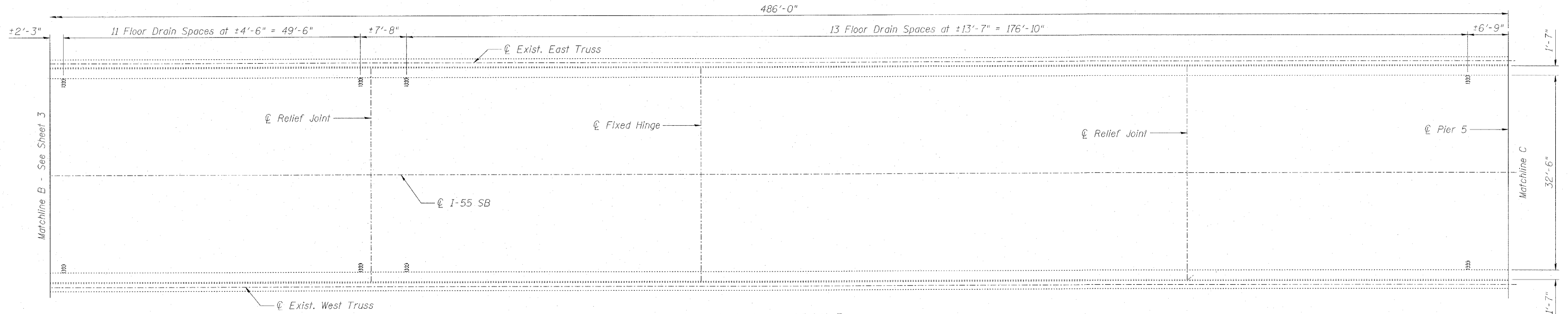
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CONTRACT NO. 60K04					
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

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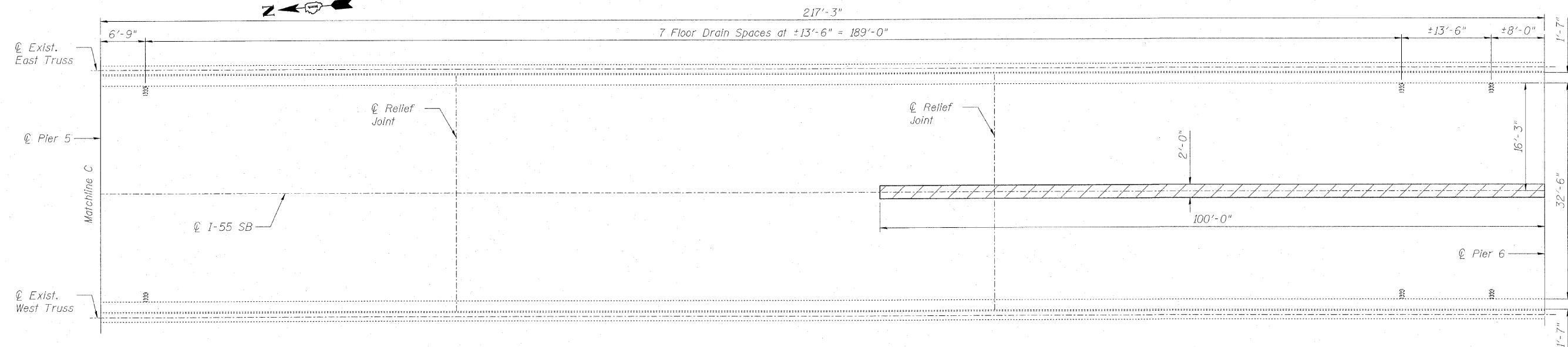
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOTE:

The limits and locations of Partial Depth Patch, Mix "F", N90 shown on the Deck Plan are taken from the most recent Survey performed by the District in October 2009.



REPAIR PLAN - SPAN 5



REPAIR PLAN - SPAN 6

DECK REPAIR PLANS
SPANS 5 & 6
STRUCTURE NO. 099-0009

LEGEND:



Partial Depth Patch, Mix "F", N90

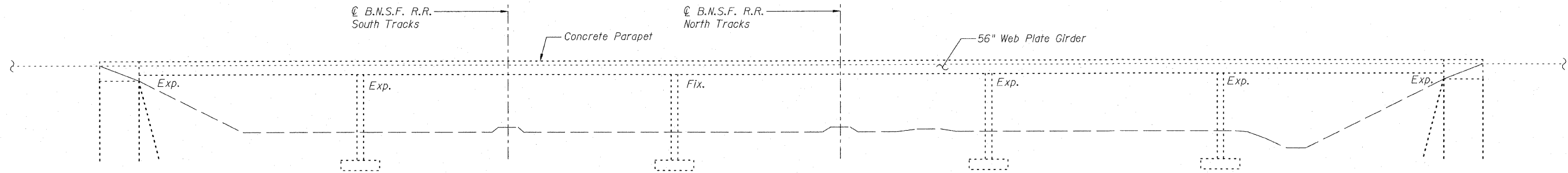


Wight & Company
2500 North Frontage Road . Darien . IL 60561
630.969.7000 630.969.7979 fax
Design Firm Registration 184-000451

DESIGNED	BRT
CHECKED	BJM
DRAWN	JNH
CHECKED	BJM

SHEET NO. 4 4 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (1&2) RS-12	WILL	110	88
CONTRACT NO. 60K04					
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

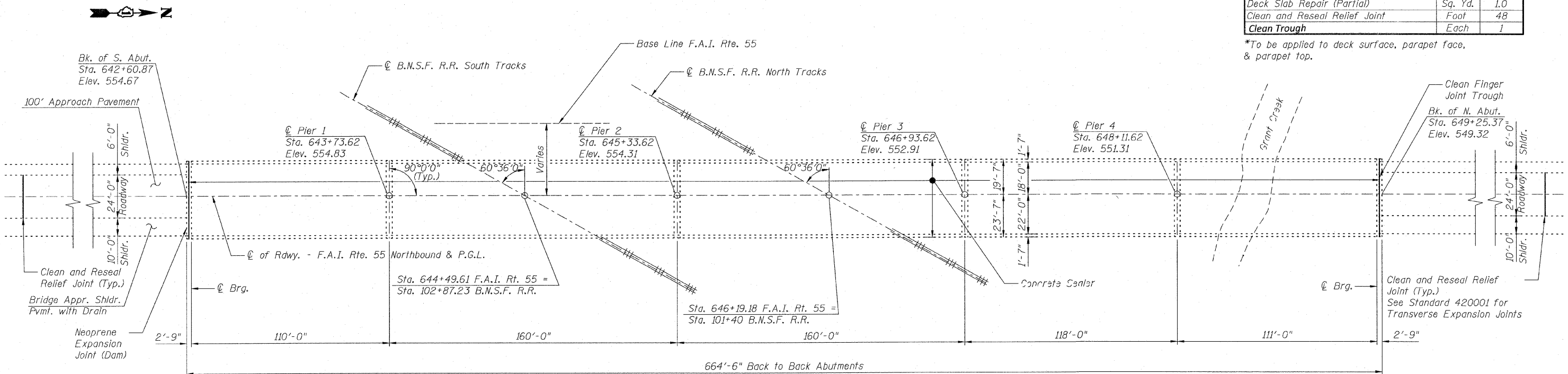


ELEVATION

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Neoprene Expansion Joint (Dam)	Foot	42
* Concrete Sealer	Sq. Ft.	31361
Deck Slab Repair (Partial)	Sq. Yd.	1.0
Clean and Reseal Relief Joint	Foot	48
Clean Trough	Each	1

*To be applied to deck surface, parapet face, & parapet top.



PLAN

GENERAL PLAN & ELEVATION

**I-55 NB OVER B.N.S.F. R.R.
& GRANT CREEK
F.A.I. RT. 55 - SEC. 87R
WILL COUNTY
STATION 646+19.18
STRUCTURE NO. 099-0286**

GENERAL NOTES

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.

See Roadway Plans for overlay repairs on approaches.

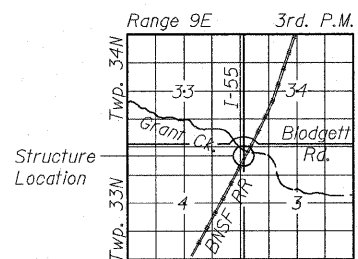
INDEX OF SHEETS:

1. General Plan & Elevation
2. Cross Section & Construction Staging
3. Deck Plan
4. Neoprene Expansion Joint Repair
5. Finger Joint Trough Details
6. Finger Joint Trough Details

DESIGNED	BRT
CHECKED	BJM
DRAWN	KMS
CHECKED	BJM



B. Robert Tessiatore
B. Robert Tessiatore Date
Expires: 11-30-10



LOCATION SKETCH

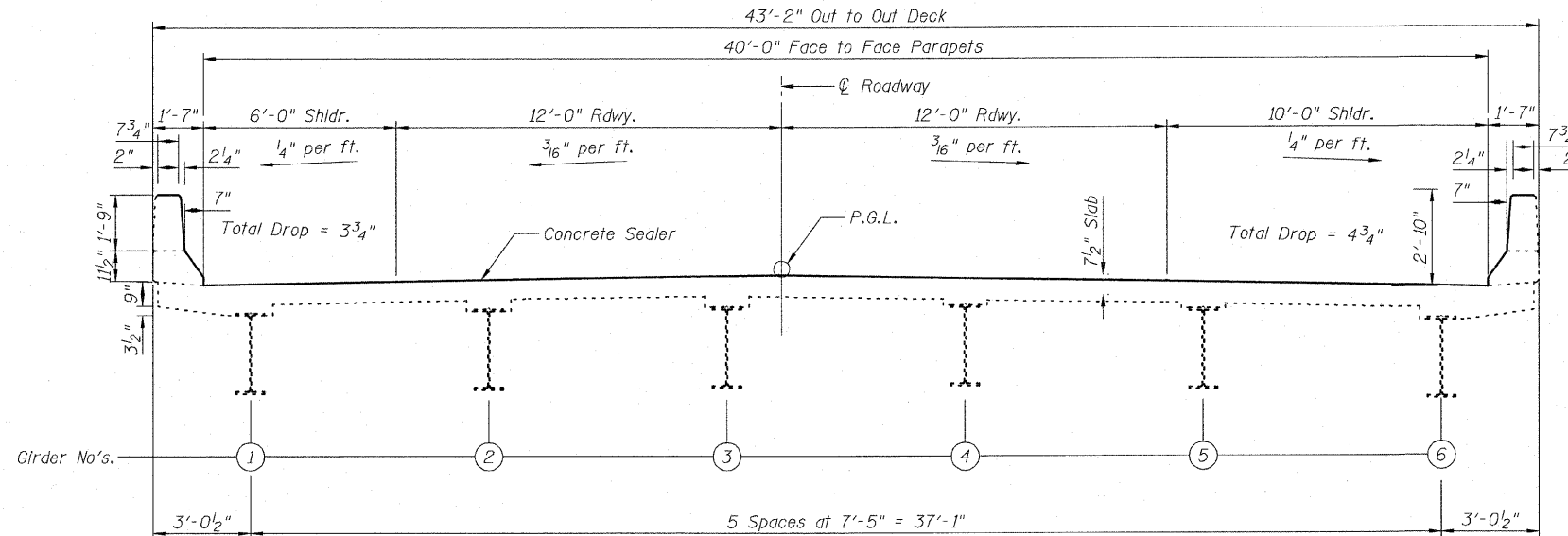


Wight & Company
2500 North Frontage Road, Darien, IL 60561
630.969.7000 630.969.7979 fax
Design Firm Registration 184-000451

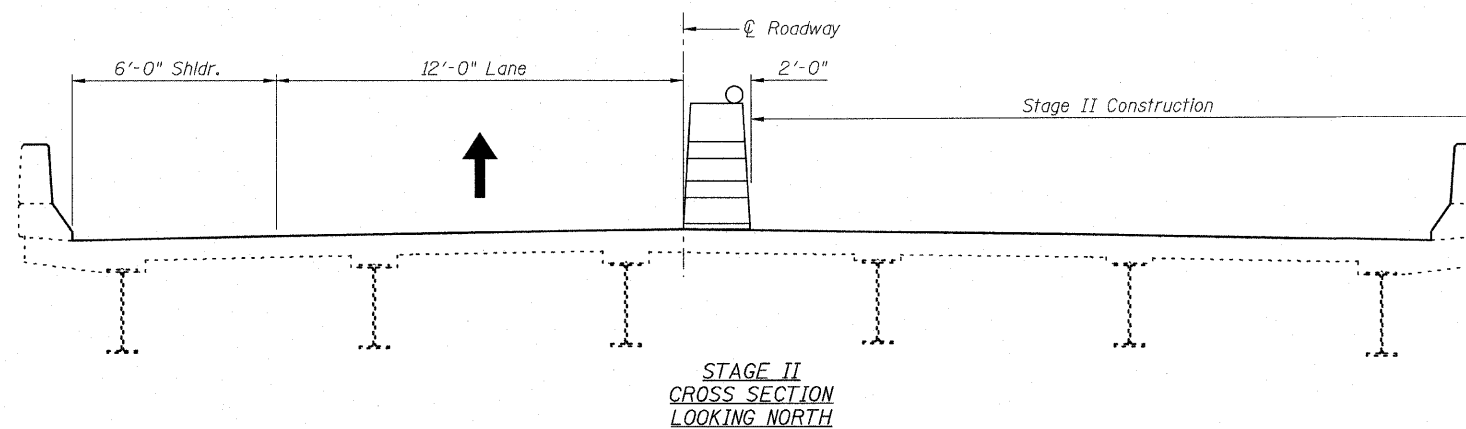
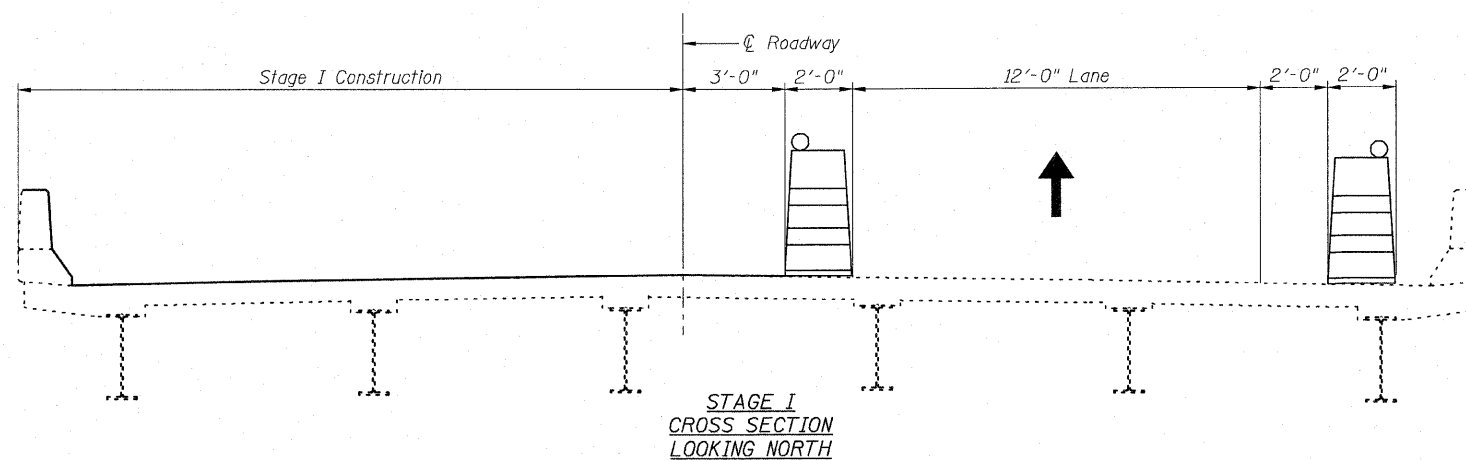
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FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



CROSS SECTION
(LOOKING NORTH)



CONSTRUCTION STAGING

Note: Stage I and Stage II lane closures to be staged to allow for installation of a continuous expansion joint membrane.

**CROSS SECTION &
CONSTRUCTION STAGING
STRUCTURE NO. 099-0286**

DESIGNED	BRT
CHECKED	BJM
DRAWN	KMS
CHECKED	BJM



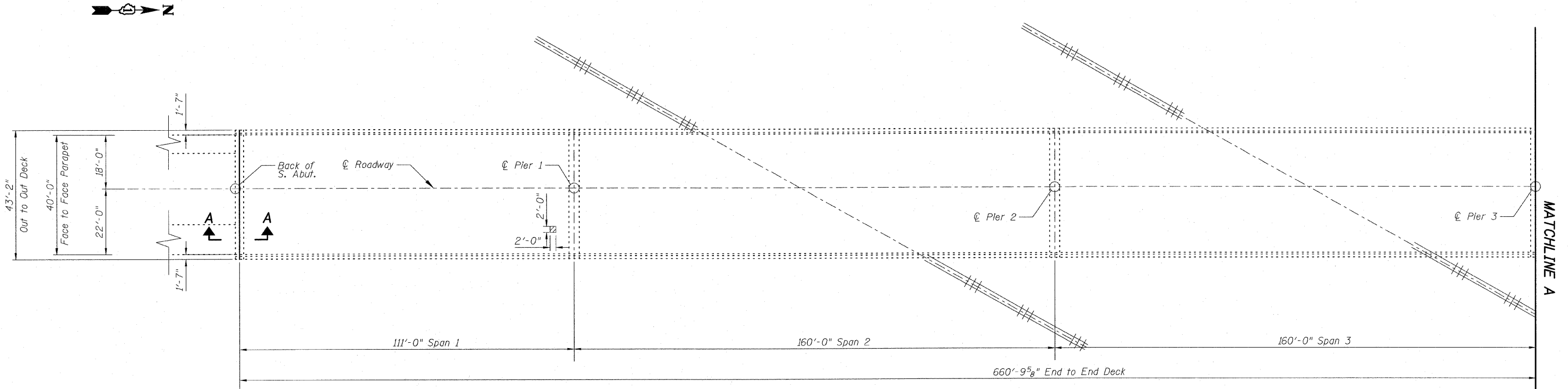
Wight & Company
2500 North Frontage Road, Darien, IL 60561
630.969.7000 630.969.7979 fax
Design Firm Registration 184-000451

SHEET NO. 2 6 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 60E04		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

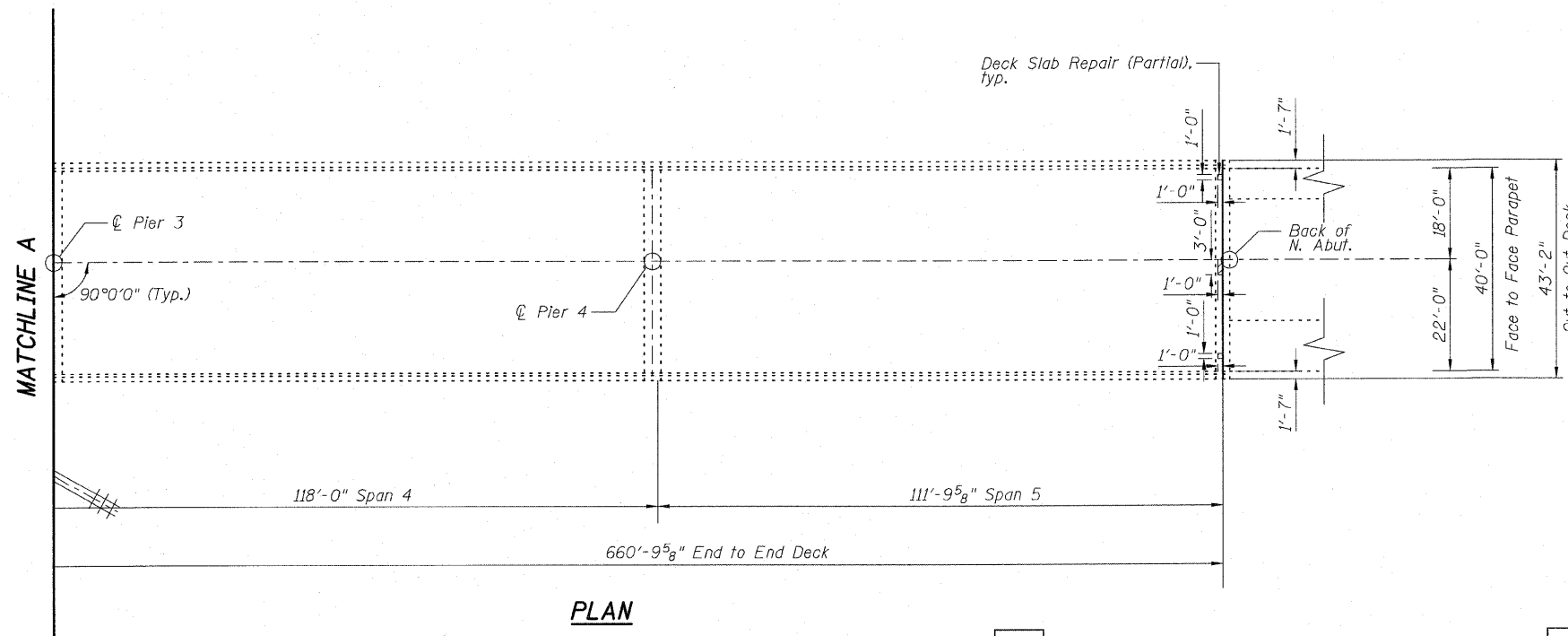
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOTE:

The limits and locations of repairs shown on the Deck Plan are taken from the most recent Survey performed by the District in October 2009.

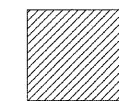


PLAN



PLAN

LEGEND



Deck Slab Repair (Partial)

DESIGNED	BRT
CHECKED	BJM
DRAWN	KMS
CHECKED	BJM



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**DECK PLAN
STRUCTURE NO. 099-0286**

SHEET NO. 3 6 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (1+2) R3-12	WILL	110	91
			CONTRACT NO. 60K04		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

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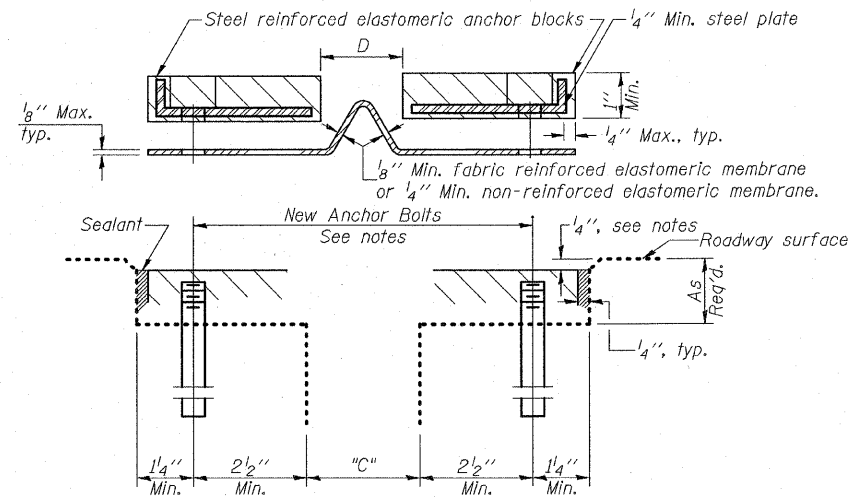
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Joint Size	"C" at 50°F	"D" at 50°F
2"	2"	1 1/2" Min.
2 1/2"	2 1/2"	1 3/4" Min.
4"	3"	2 1/2" Min.

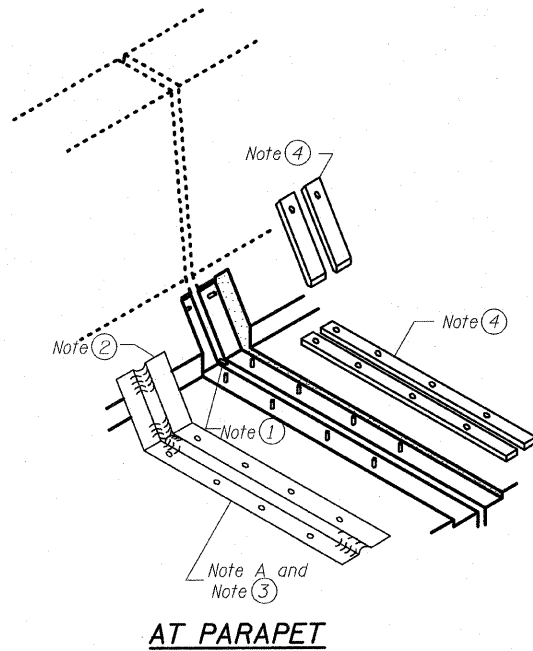
INSTALLATION NOTES

- ① Install sponge mandrels into positions shown to form flap convolution.
- ② Install parapet or sidewalk piece (trim roadway flap to fit before applying epoxy).
- ③ Install continuous seal in roadway.
- ④ Install anchor blocks as indicated.

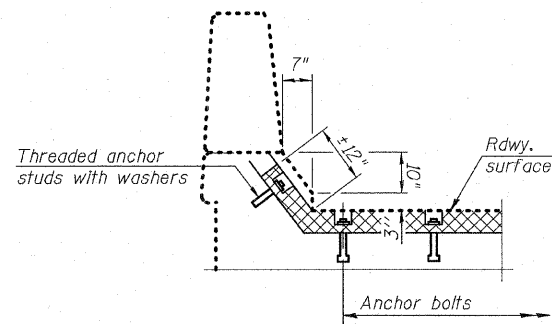
Note A:
Maximum spacing of anchor bolts shall be 12" centers.



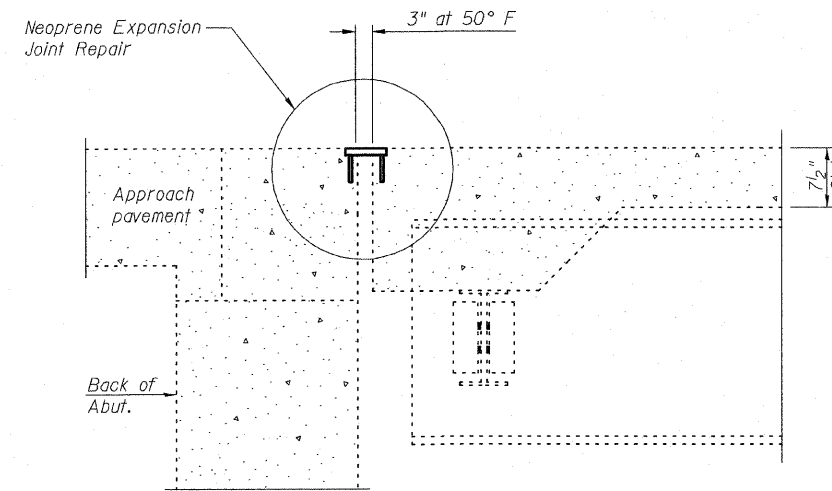
CROSS SECTION



AT PARAPET



AT PARAPET



SECTION A-A

GENERAL NOTES

Neoprene Expansion Joint Repair shall consist of removal of existing neoprene blocks and membrane and replacement with new neoprene blocks and continuous membrane.

New threaded 5/8" x 6" anchor bolts to be epoxy grouted per Art. 584 of the Standard Specifications, space between existing anchors. Existing anchors to be cut flush with top of concrete. Existing anchor bolts in the parapet may be reused if the anchorage is acceptable, and can develop the torque requirements of Art. 520.07 if the Standard Specifications.

Contractor shall maintain the 1/4" recess and repair any unsound concrete under the joint through use of a rapid setting material per Section 1018 of the Standard Specifications. This work will be paid for at the contract unit price per foot for Neoprene Expansion Joint (Dam). The unit price for Neoprene Expansion Joint (Dam) shall include removal of the existing joint material and flush cutting existing anchor bolts.

Continuous Seal Neoprene Expansion Joint shall consist of molded anchor blocks of elastomer and steel, field assembled over continuous lengths of elastomeric membrane.

The elastomeric membrane shall be premolded with a single or a double upward convolution that will have a "memory" to return to its molded position upon joint closure.

The convolution length shall be such that the extended length will not be greater than the manufactured length when the joint is fully expanded in its design range and will not protrude above the anchor blocks when the joint is fully compressed.

The parapet and roadway membrane shall be made continuous by an approved vulcanizing process. Lapping will not be permitted.

Contractor shall field verify dimensions of existing neoprene joint prior to adhering new joint material.

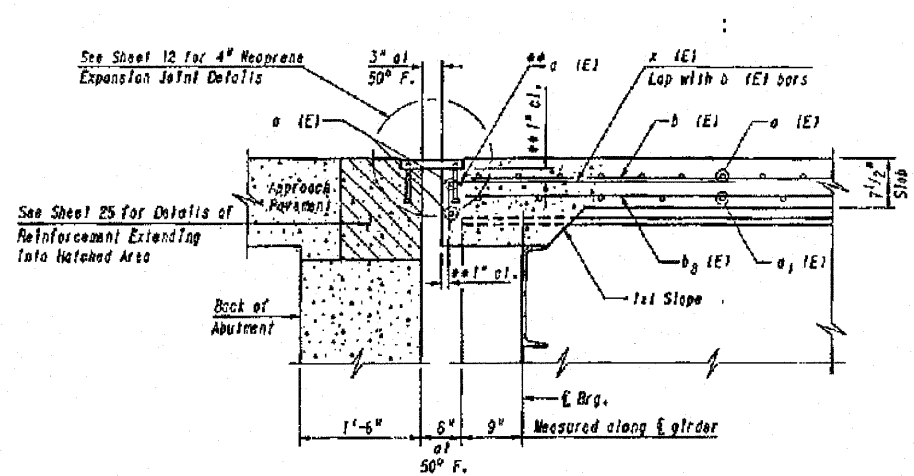
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DRAWN	KMS
CHECKED	BJM



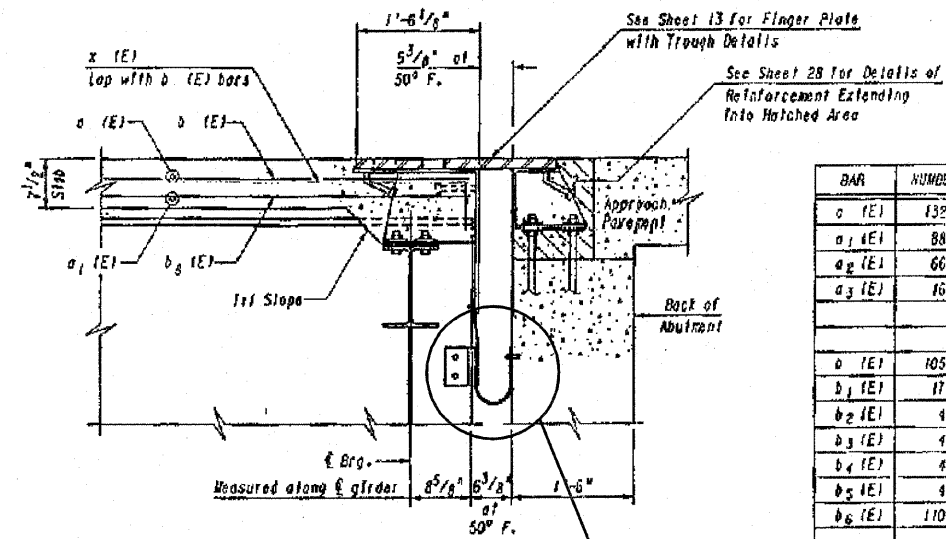
Wight & Company
2500 North Frontage Road, Darien, IL 60561
630.969.7000 630.969.7979 fax
Design Firm Registration 184-000451

SHEET NO. 4 6 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (1+2) RS-12	WILL	110	92
			CONTRACT NO. 60K04		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SECTION A-A



SECTION B-B

BILL OF MATERIAL - SUPERSTRUCTURE

BAR	NUMBER	SIZE	LENGTH	SHAPE
a (E)	1322	# 5	42'-6"	
a ₁ (E)	880	# 5	41'-2"	
a ₂ (E)	661	# 6	4'-0"	
a ₃ (E)	168	# 5	2'-0"	
b (E)	1038	# 5	30'-7"	
b ₁ (E)	172	# 6	60'-0"	
b ₂ (E)	43	# 6	24'-0"	
b ₃ (E)	43	# 6	38'-0"	
b ₄ (E)	43	# 6	26'-0"	
b ₅ (E)	43	# 6	9'-0"	
b ₆ (E)	1104	# 5	23'-5"	

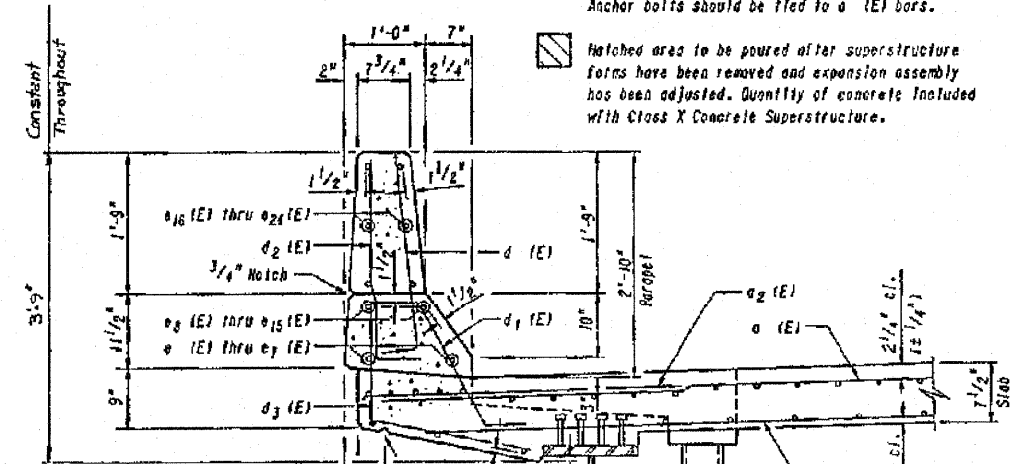
BAR	NUMBER	SIZE	LENGTH	SHAPE
d (E)	1442	# 5	3'-0"	
d ₁ (E)	1442	# 5	2'-7"	
d ₂ (E)	1322	# 4	3'-0"	
d ₃ (E)	1322	# 4	3'-10"	
e (E)	12	# 5	31'-3"	
e ₁ (E)	8	# 5	20'-7"	
e ₂ (E)	32	# 5	30'-1"	
e ₃ (E)	8	# 5	23'-10"	
e ₄ (E)	8	# 5	21'-2"	
e ₅ (E)	12	# 5	28'-2"	
e ₆ (E)	8	# 5	15'-4"	
e ₇ (E)	12	# 5	33'-3"	
e ₈ (E)	12	# 8	33'-7"	
e ₉ (E)	8	# 8	20'-7"	
e ₁₀ (E)	32	# 8	32'-10"	
e ₁₁ (E)	6	# 8	23'-10"	
e ₁₂ (E)	8	# 8	21'-2"	
e ₁₃ (E)	12	# 8	30'-6"	
e ₁₄ (E)	8	# 8	15'-4"	
e ₁₅ (E)	12	# 8	35'-8"	
e ₁₆ (E)	72	# 4	14'-8"	
e ₁₇ (E)	48	# 4	10'-1"	
e ₁₈ (E)	84	# 4	16'-1"	
e ₁₉ (E)	48	# 4	11'-9"	
e ₂₀ (E)	84	# 4	15'-11"	
e ₂₁ (E)	48	# 4	10'-5"	
e ₂₂ (E)	72	# 4	15'-10"	
e ₂₃ (E)	24	# 4	15'-4"	
e ₂₄ (E)	60	# 4	15'-8"	
f (E)	80	# 5	4'-1"	

Reinforcement Bars Epoxy Coated	Lbs.	220,510
Class X Concrete Superstructure	Cu.Yds.	844.2

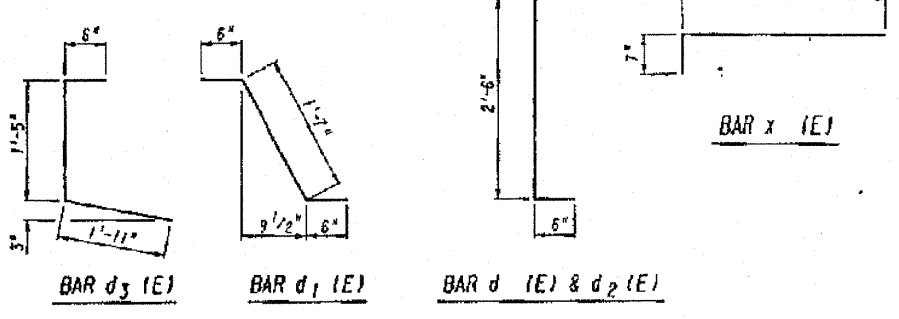
NOTES:
Work this Sheet with Sheets 8, 9 & 10.
Reinforcement bars designated (E) shall be epoxy coated.

FOR INFORMATION ONLY
CLEAN FINGER JOINT TROUGH ONLY

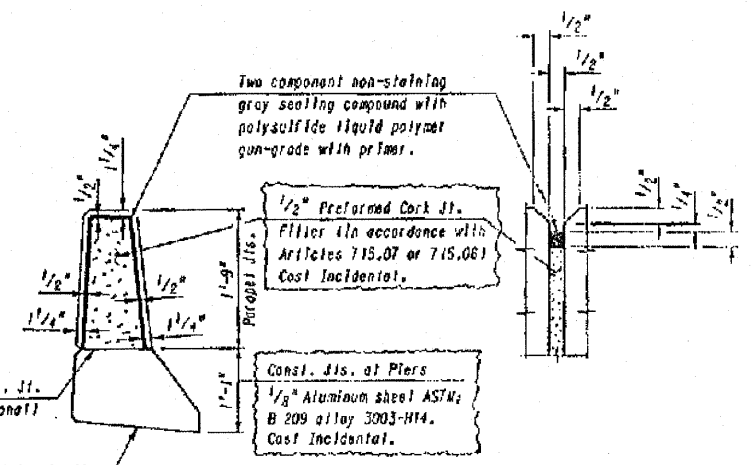
FINGER JOINT TROUGH DETAILS
STRUCTURE NO. 099-0286



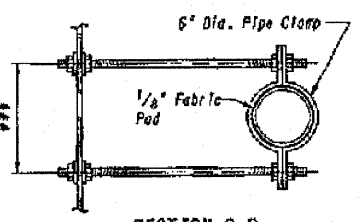
SECTION THRU PARAPET



NOTES:
Drainage Scuppers shall be located clear of all cross framing.



PARAPET JOINT DETAILS



SECTION B-B

*** Dimension as required
by Pipe Clamp

DESIGNED	BRT
CHECKED	BJM
DRAWN	KMS
CHECKED	BJM



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Design Firm Registration 184-000451

SHEET NO. 5 6 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (I+2) 25-12	WILL	110	93
			CONTRACT NO. 60604		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

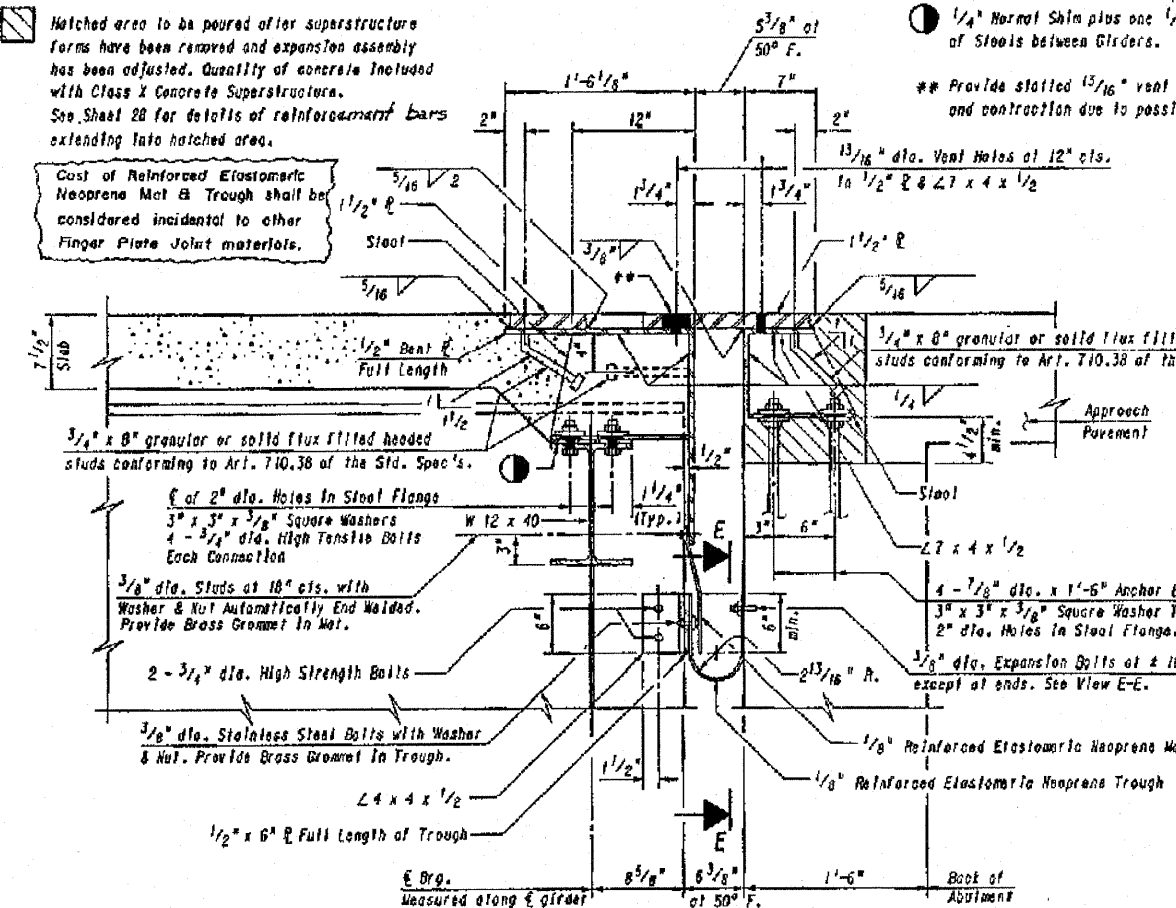
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

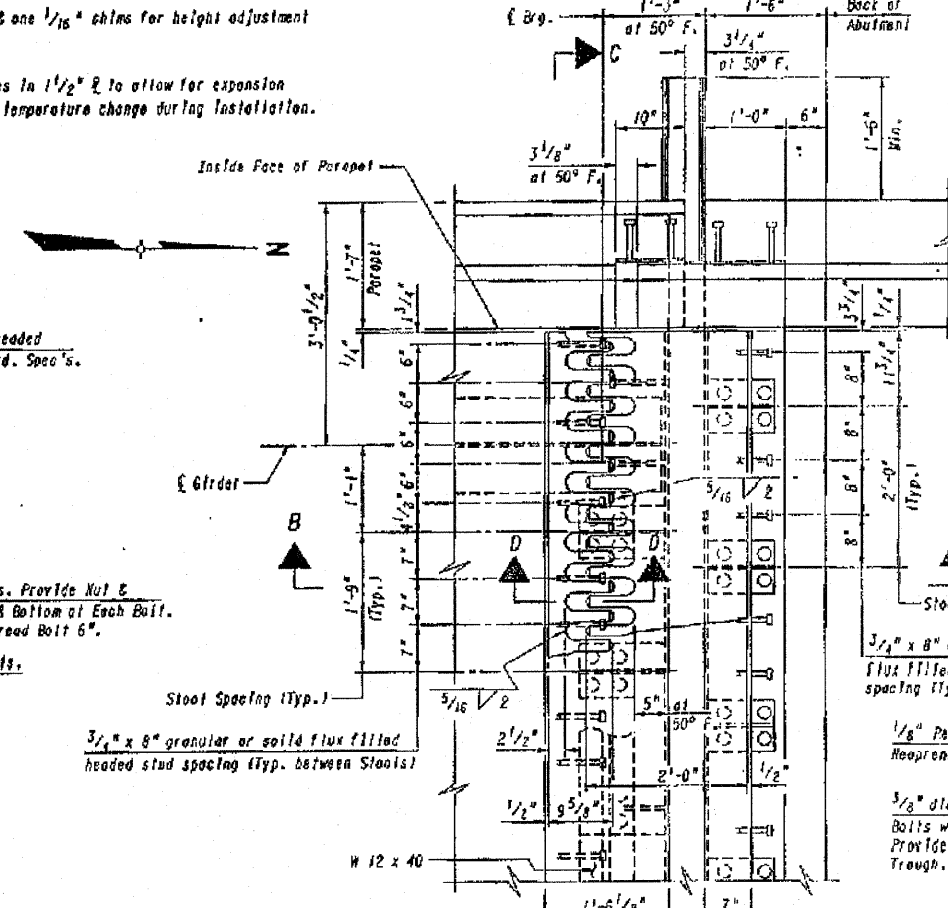
Hatched area to be poured after superstructure forms have been removed and expansion assembly has been adjusted. Quantity of concrete included with Class X Concrete Superstructure. See Sheet 28 for details of reinforcement bars extending into hatched area.

Cost of Reinforced Elastomeric Neoprene Mat & Trough shall be considered incidental to other Finger Plate Joint materials.

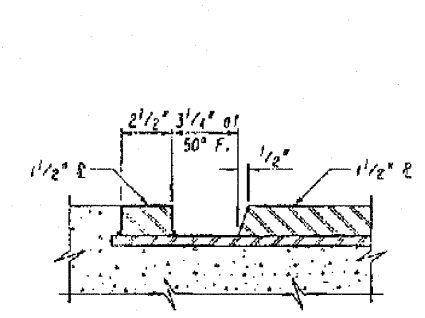
1/4" Normal Shim plus one 1/8" & one 1/16" shims for height adjustment of Stools between Girders.
** Provide slotted 13/16" vent holes in 1/2" R to allow for expansion and contraction due to possible temperature change during installation.



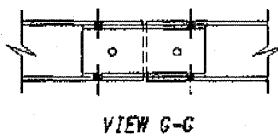
SECTION B-B



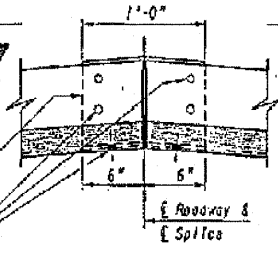
PLAN AT NORTH ABUTMENT



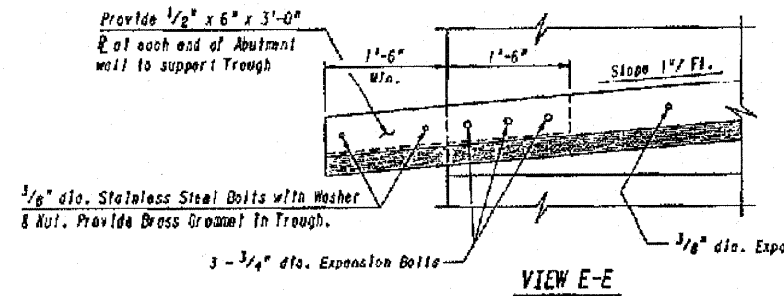
SECTION D-D



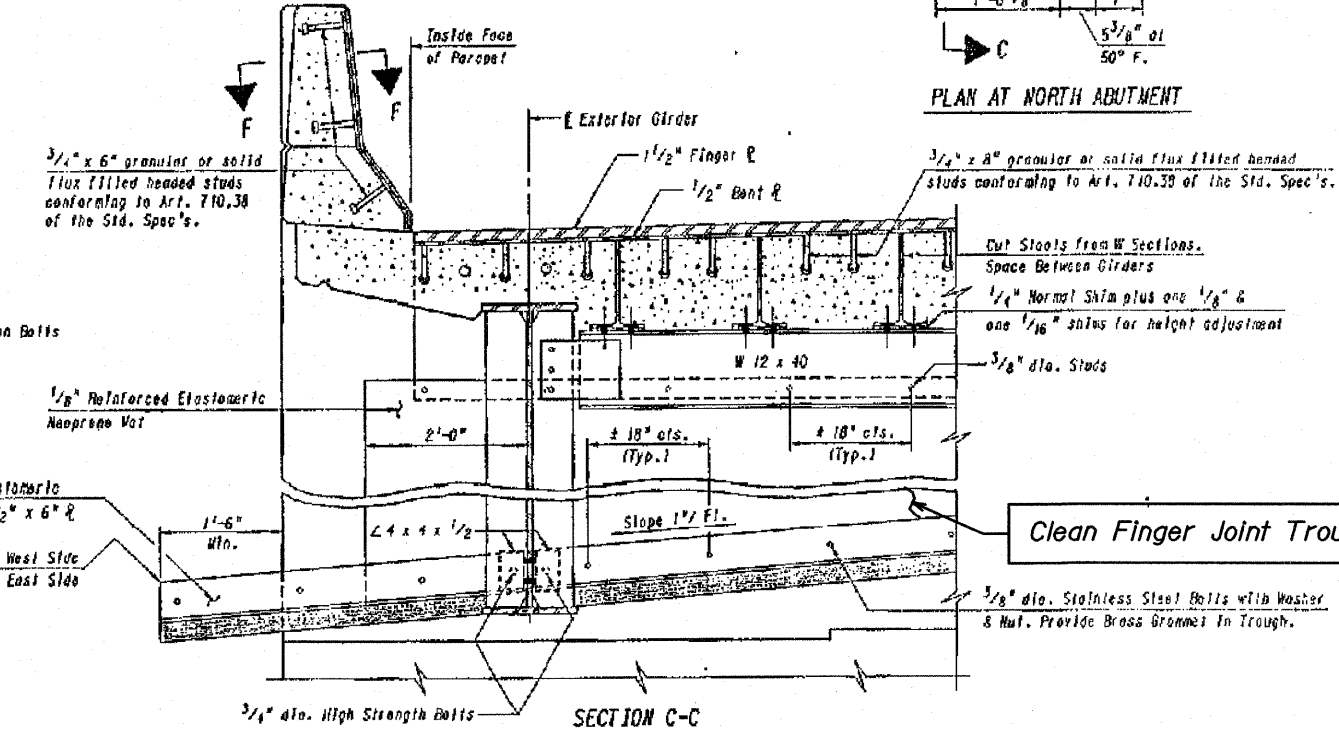
VIEW G-G



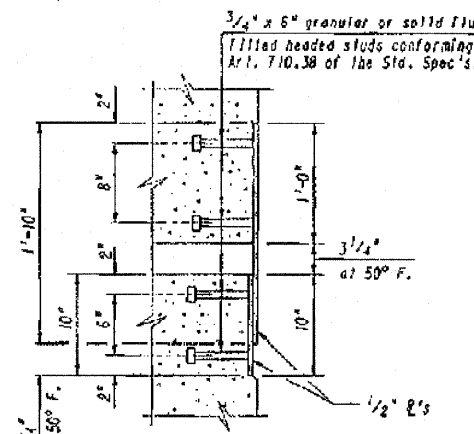
TROUGH SPLICE DETAIL



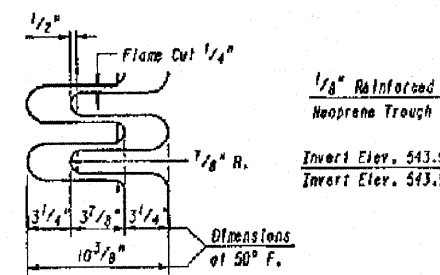
VIEW E-E



SECTION C-C



SECTION F-F



FINGER PLATE DETAIL

FOR INFORMATION ONLY
CLEAN FINGER JOINT TROUGH ONLY

FINGER JOINT TROUGH DETAILS
STRUCTURE NO. 099-0286

DESIGNED	BRT
CHECKED	BJM
DRAWN	KMS
CHECKED	BJM

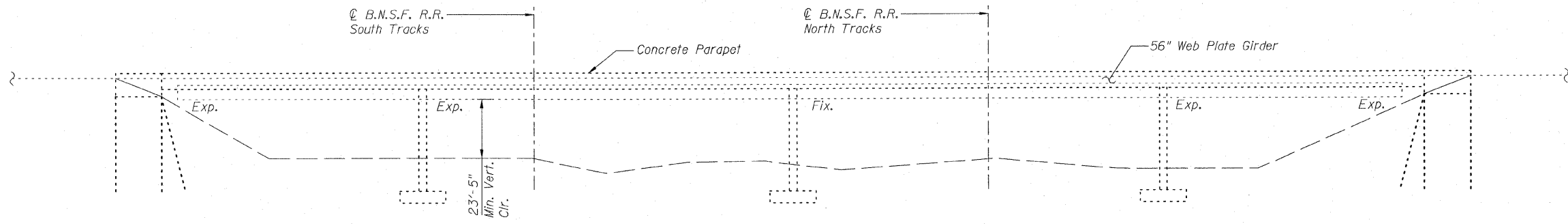
Wight

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630.969.7000 630.969.7979 fax
Design Firm Registration 184-000451

SHEET NO. 6 6 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (1+2) 2S-12	WILL	110	94
			CONTRACT NO. 60604		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

1/27/2010 9:28:20 AM Default G:\ENR\06-5329-02-D1 Various Structures\CAD\0990286\SHIT\0990286_006_Finger Joint Trough Details.dwg

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

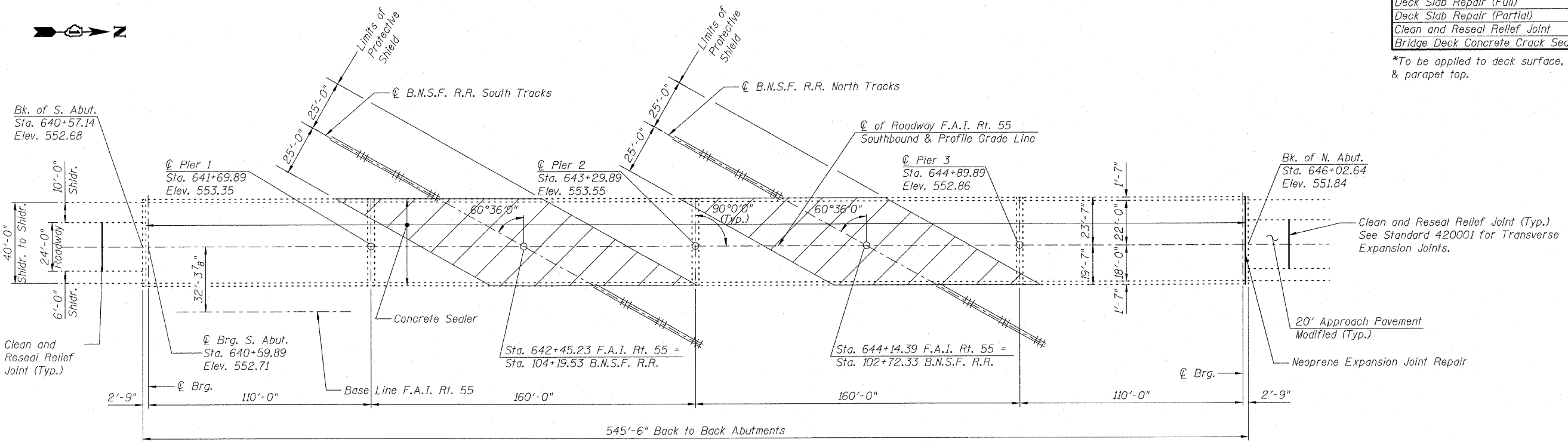


ELEVATION

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Protective Shield	Sq. Yd.	980
Neoprene Expansion Joint (Dam)	Foot	42
*Concrete Sealer	Sq. Ft.	26004
Deck Slab Repair (Full)	Sq. Yd.	5.0
Deck Slab Repair (Partial)	Sq. Yd.	5.0
Clean and Reseal Relief Joint	Foot	48
Bridge Deck Concrete Crack Sealer	Foot	32

*To be applied to deck surface, parapet face, & parapet top.



PLAN

GENERAL NOTES

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.

INDEX OF SHEETS:

1. General Plan & Elevation
2. Cross Section & Staging
3. Deck Plan
4. Deck Plan
5. Neoprene Expansion Joint Repair

GENERAL PLAN & ELEVATION
I-55 SB OVER B.N.S.F. R.R.
F.A.I. RT. 55 - SEC. 87R
WILL COUNTY
STATION 643+29.89
STRUCTURE NO. 099-0304

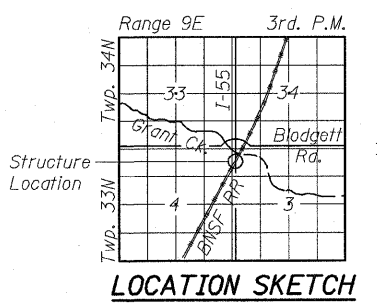
SHEET NO. 1	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5 SHEETS	55	99 (1+2) 25-12	WILL	110	95
CONTRACT NO. 60604					
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

DESIGNED	BRT
CHECKED	BJM
DRAWN	KMS
CHECKED	BJM



B. Robert Tessitore
Expires: 11-30-10

01-22-2010
Date

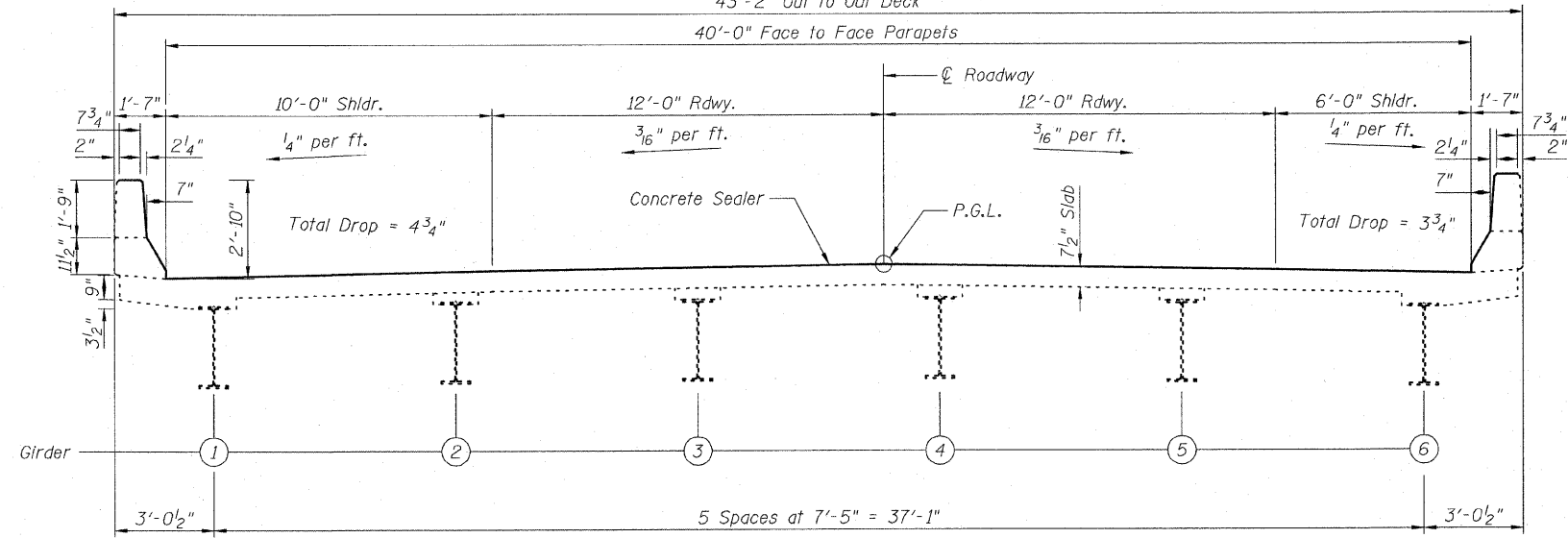


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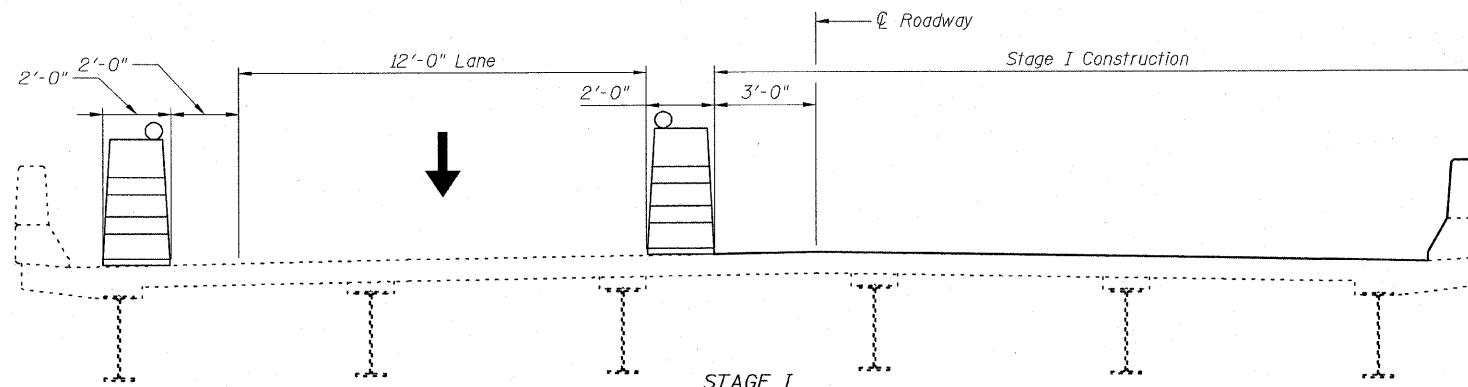
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

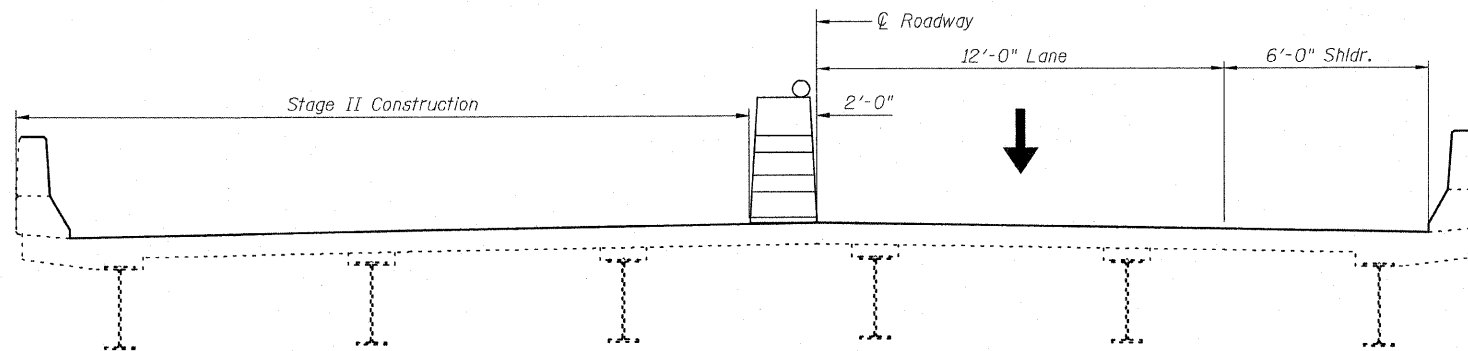
43'-2" Out to Out Deck



CROSS SECTION
(LOOKING NORTH)



STAGE I
CROSS SECTION
LOOKING NORTH



STAGE II
CROSS SECTION
LOOKING NORTH

CONSTRUCTION STAGING

**CROSS SECTION &
CONSTRUCTION STAGING
STRUCTURE NO. 099-0304**

Note: Stage I and Stage II lane closures to be staged to allow for installation of a continuous expansion joint membrane.

DESIGNED	BRT
CHECKED	BJM
DRAWN	KMS
CHECKED	BJM

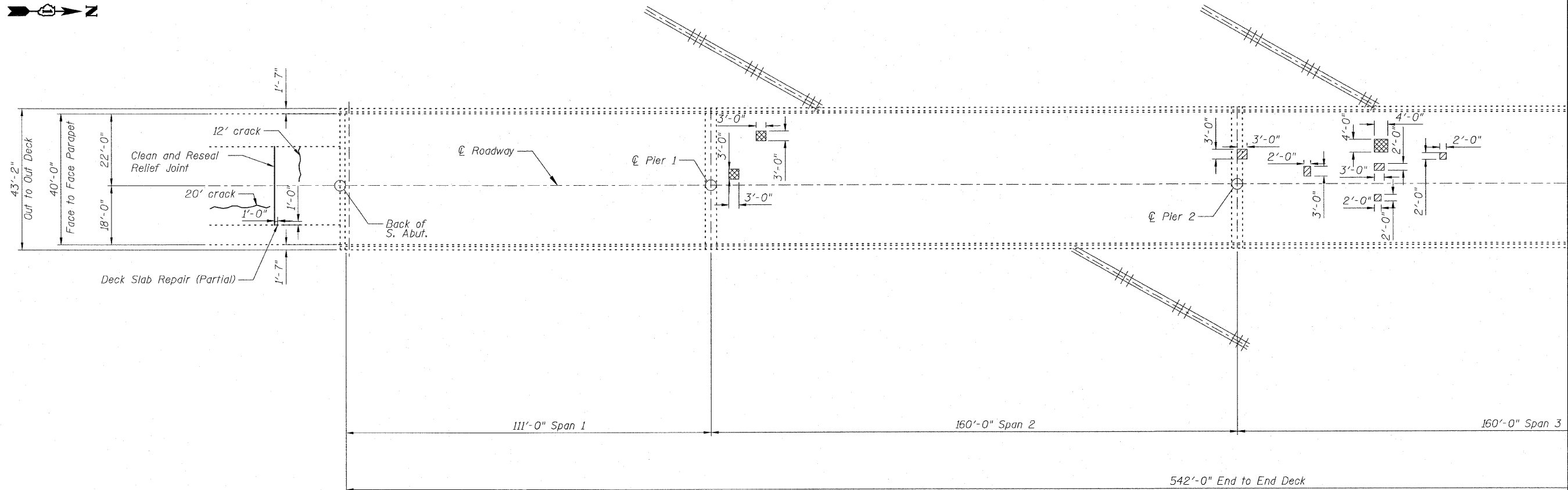


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Design Firm Registration 184-000451

SHEET NO. 2	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (1+2) 2S-12	WILL	110	96
5 SHEETS	CONTRACT NO. 60204				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					




STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOTE:
The limits and locations of repairs shown on the Deck Plan are taken from the most recent Survey performed by the District in October 2009.



PARTIAL DECK PLAN

LEGEND

-  Deck Slab Repair (Partial)
-  Deck Slab Repair (Full)
-  Bridge Deck Concrete Crack Sealer

DESIGNED	BRT
CHECKED	BJM
DRAWN	KMS
CHECKED	BJM

**DECK PLAN
STRUCTURE NO. 099-0304**



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Design Firm Registration 184-000451

SHEET NO. 3 5 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 60K04		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

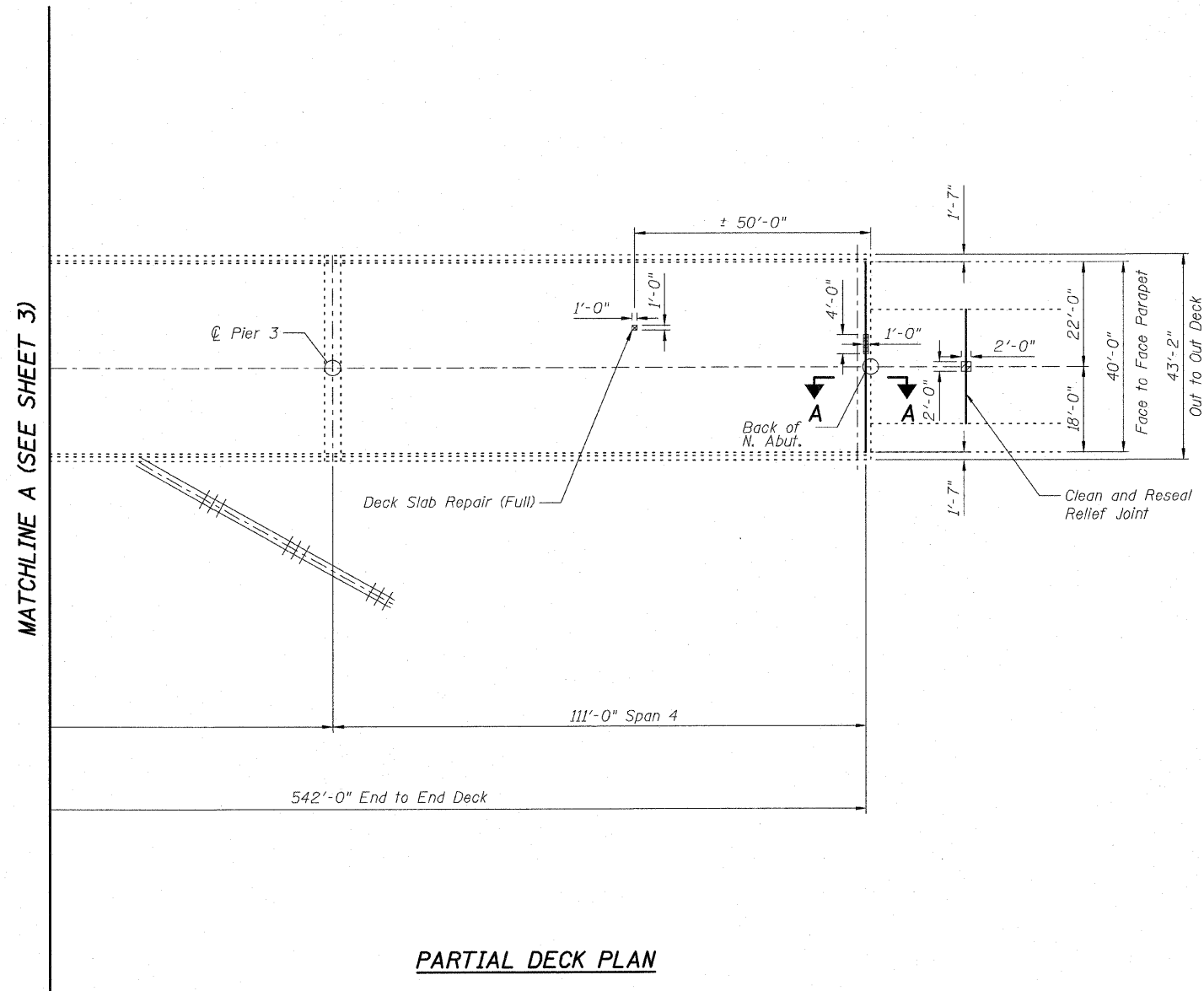
G:\EN\08-5329-02.D1 Various Structure\CAD\0990304\SET\0990304_003_Deck Plan.dgn 1/27/2010 10:40:40 AM Default

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

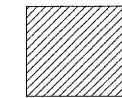
NOTES:

The limits and locations of repairs shown on the Deck Plan are taken from the most recent Survey performed by the District in October 2009.

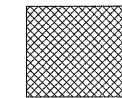
See Sheet 5 for Section A-A.



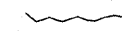
LEGEND



Deck Slab Repair (Partial)



Deck Slab Repair (Full)



Bridge Deck Concrete Crack Sealer

PARTIAL DECK PLAN

1/27/2010 10:40:43 AM Default G:\ENG\06-5329-02-D1-Variou Structure\CAD\0990304\SH\0990304_004_Deck_Plan.dgn

DESIGNED	BRT
CHECKED	BJM
DRAWN	KMS
CHECKED	BJM



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630.969.7000 630.969.7979 fax
Design Firm Registration 184-000451

**DECK PLAN
STRUCTURE NO. 099-0304**

SHEET NO. 4	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (1+2) 25-12	WILL	110	98
5 SHEETS	CONTRACT NO. 60K04				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

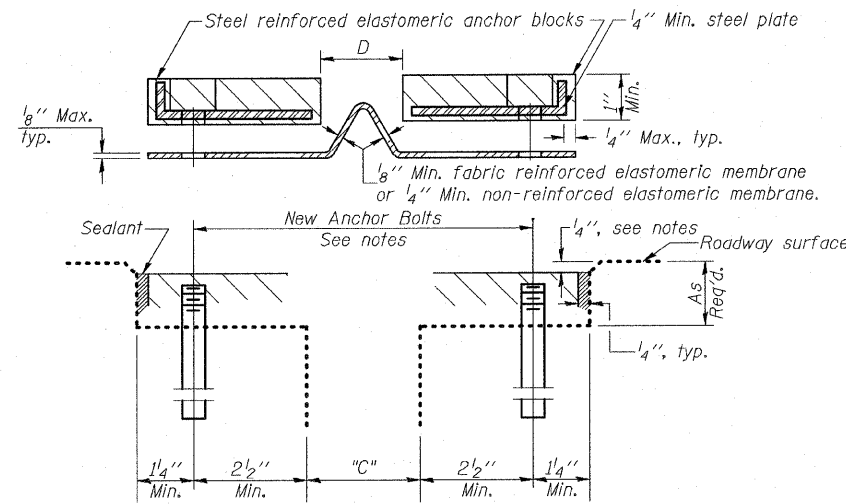
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Joint Size	"C" at 50°F	"D" at 50°F
2"	2"	1 1/2" Min.
2 1/2"	2 1/2"	1 3/4" Min.
4"	3"	2 1/2" Min.

INSTALLATION NOTES

- ① Install sponge mandrels into positions shown to form flap convolution.
- ② Install parapet or sidewalk piece (trim roadway flap to fit before applying epoxy).
- ③ Install continuous seal in roadway.
- ④ Install anchor blocks as indicated.

Note A:
Maximum spacing of anchor bolts shall be 12" centers.



CROSS SECTION

GENERAL NOTES

Neoprene Expansion Joint Repair shall consist of removal of existing neoprene blocks and membrane and replacement with new neoprene blocks and continuous membrane. Concrete removal may be required to form block-out for new joint material.

New threaded 5/8" x 6" anchor bolts to be epoxy grouted per Art. 584 of the Standard Specifications, space between existing anchors. Existing anchors to be cut flush with top of concrete. Existing anchor bolts in the parapet may be reused if the anchorage is acceptable, and can develop the torque requirements of Art. 520.07 if the Standard Specifications.

Contractor shall maintain the 1/4" recess and repair any unsound concrete for the joint block-out through use of a rapid setting material per Section 1018 of the Standard Specifications. This work will be paid for at the contract unit price per foot for Neoprene Expansion Joint (Dam). The unit price for Neoprene Expansion Joint (Dam) shall include removal of the existing joint material and flush cutting existing anchor bolts.

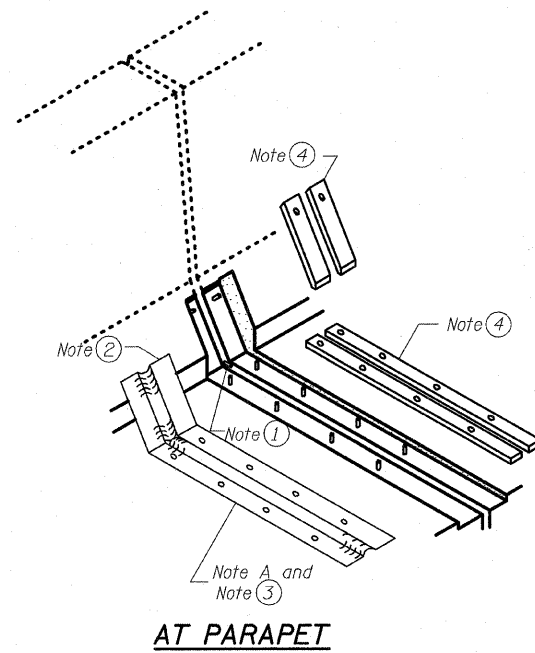
Continuous Seal Neoprene Expansion Joint shall consist of molded anchor blocks of elastomer and steel, field assembled over continuous lengths of elastomeric membrane.

The elastomeric membrane shall be pre-molded with a single or a double upward convolution that will have a "memory" to return to its molded position upon joint closure.

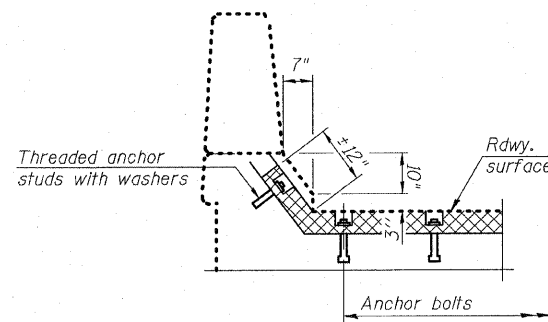
The convolution length shall be such that the extended length will not be greater than the manufactured length when the joint is fully expanded in its design range and will not protrude above the anchor blocks when the joint is fully compressed.

The parapet and roadway membrane shall be made continuous by an approved vulcanizing process. Lapping will not be permitted.

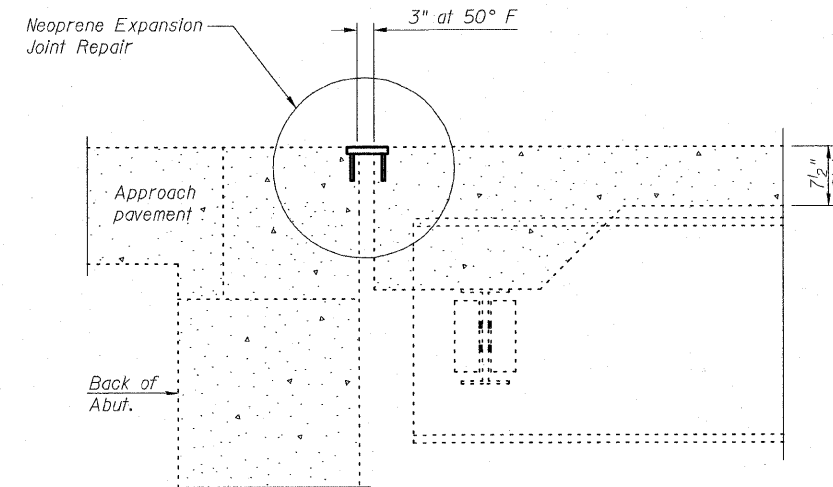
Contractor shall field verify dimensions of existing neoprene joint prior to adhering new joint material.



AT PARAPET



AT PARAPET



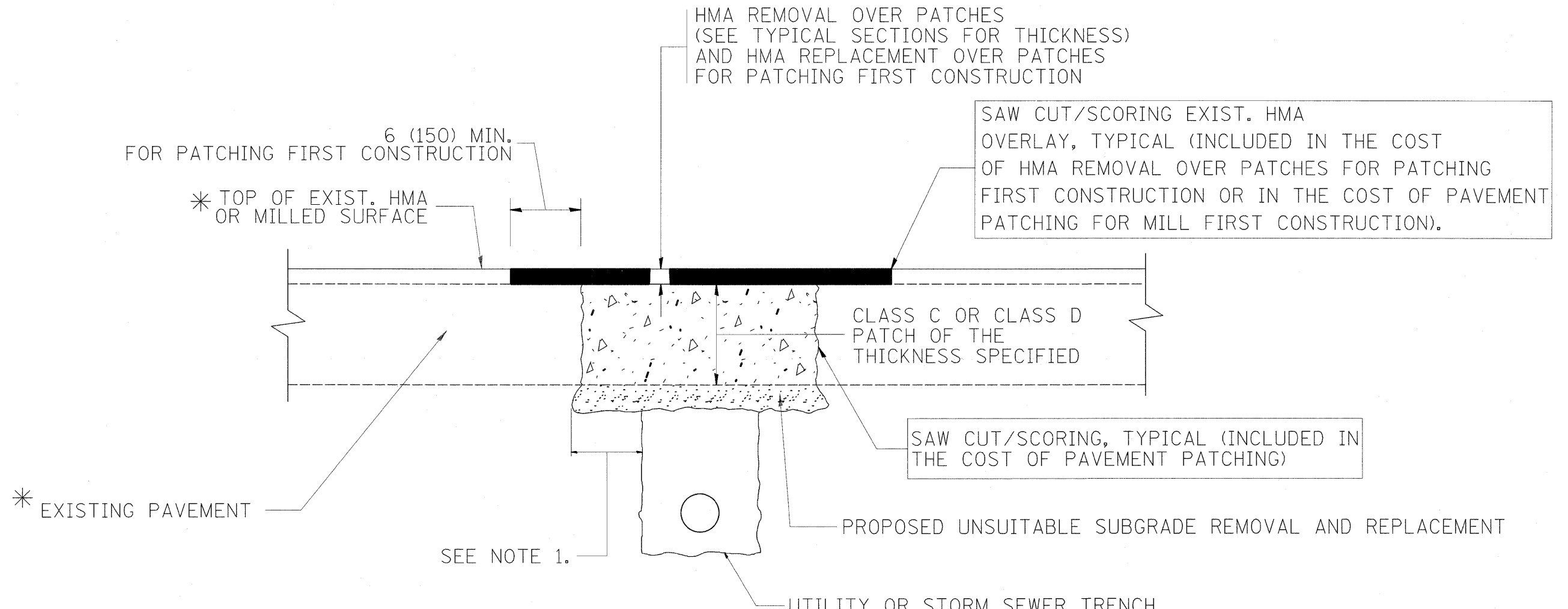
SECTION A-A

DESIGNED	BRT
CHECKED	BJM
DRAWN	KMS
CHECKED	BJM



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Design Firm Registration 184-000451

SHEET NO. 5	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (1+2)	25-12	WILL	110
CONTRACT NO. 60E04					
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

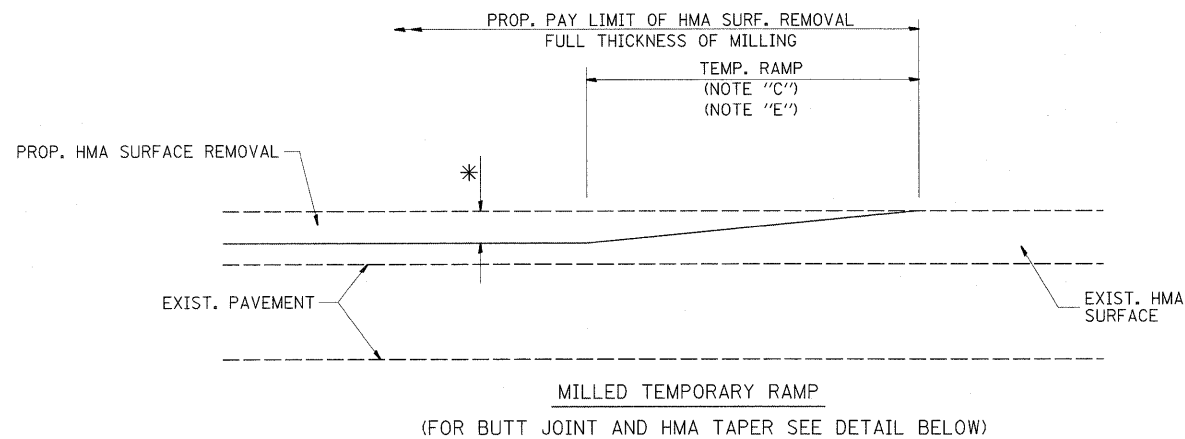
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

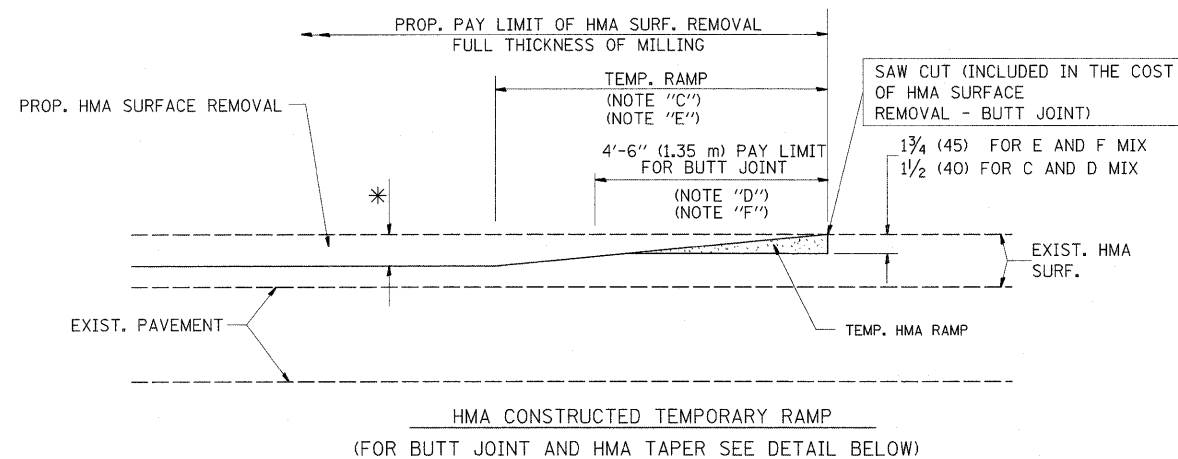
1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME =	USER NAME = abebawa	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PWIDOT\ABEBAWA\0169692\01a5td.dgn	DRAWN -	REVISED - R. BORO 01-01-07	55			99 (1&2) RS-12	WILL	110	100	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - R. BORO 09-04-07	BD400-04 (BD-22)			CONTRACT NO. 60K04				
PLOT DATE = 2/11/2010	DATE - 10-25-94	REVISED - K. ENG 10-27-08	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

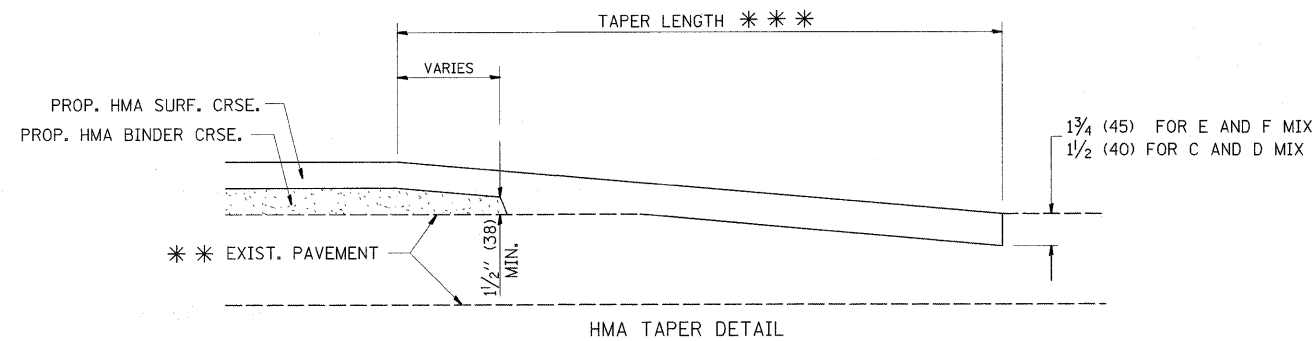
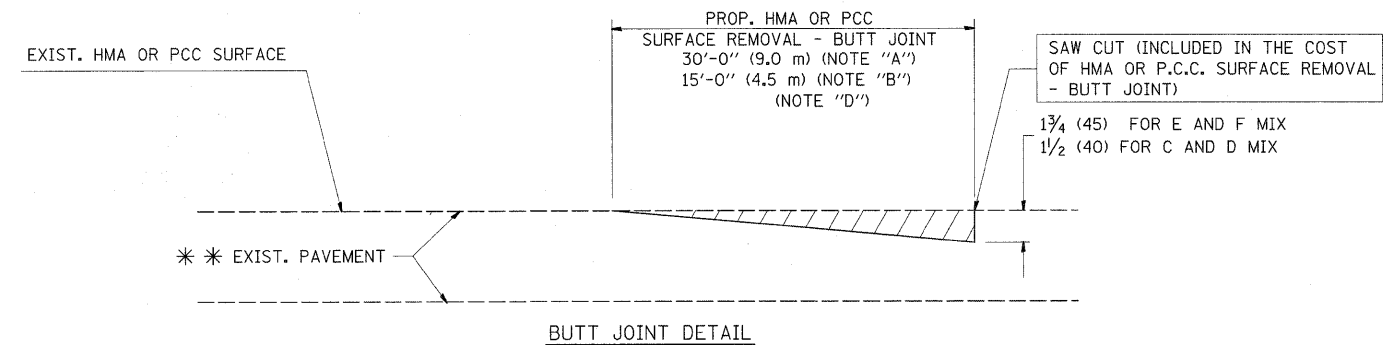


OPTION 1



OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

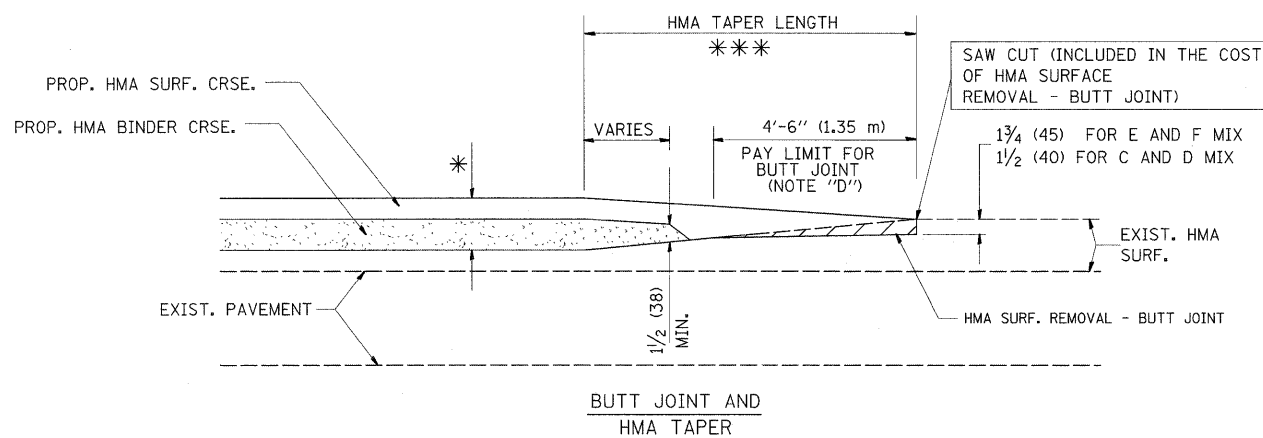
NOTES

- 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.



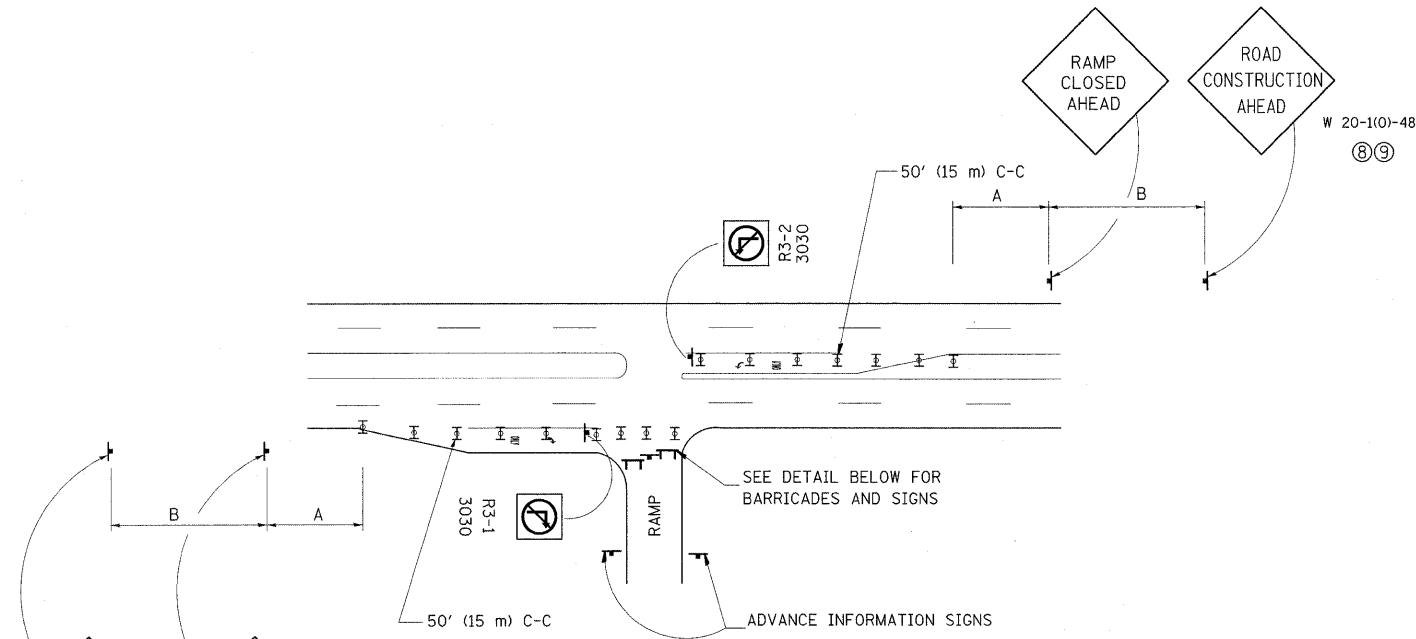
TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME =	USER NAME = abebawa	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
cd:\pw_work\PWIDOT\ABEBAWA\0169692\01st	td.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97
	PLLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLLOT DATE = 2/11/2010	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.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (I&2) RS-12	WILL	110	101
BD400-05 BD32			CONTRACT NO. 60K04	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

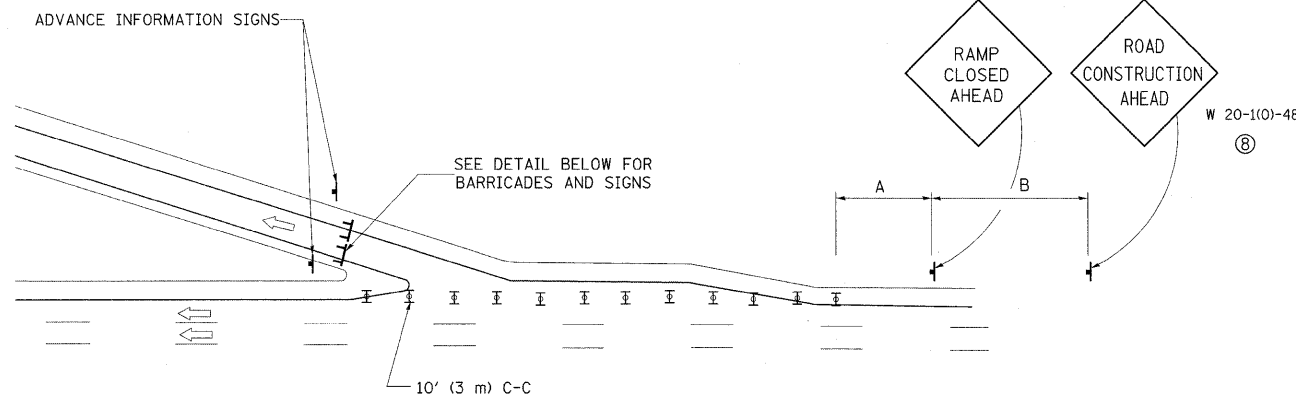
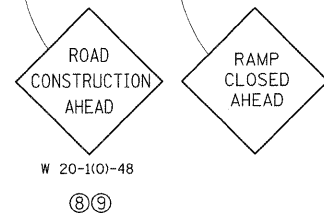


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL ≥45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	150' (45 m)	150' (45 m)

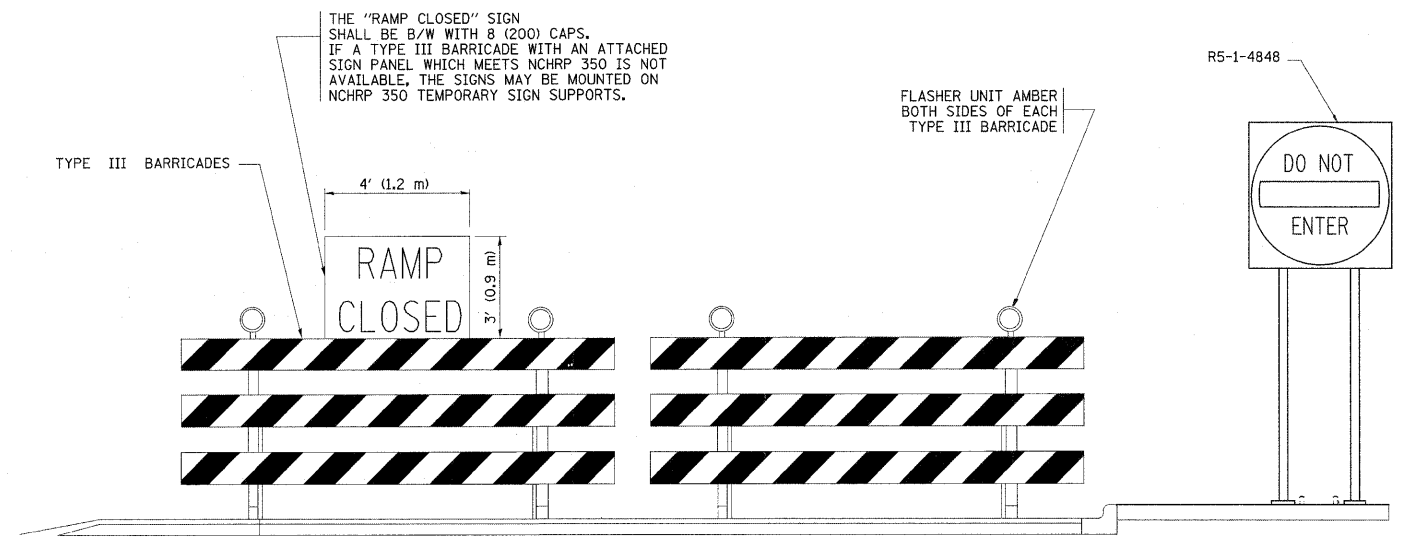
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

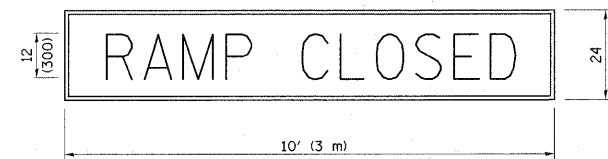
SYMBOLS

- ⊥ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHT



DETAIL FOR REQUIRED BARRICADES & SIGNS

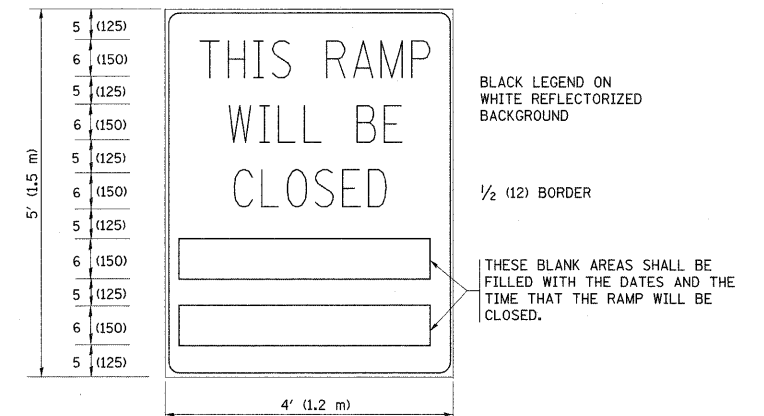
RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE REFLECTORIZED BACKGROUND
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR THE CLOSED EXIT RAMPS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY-FOUR (24) HOURS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED ON CLOSURES LESS THAN 24 HOURS IN DURATION.

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

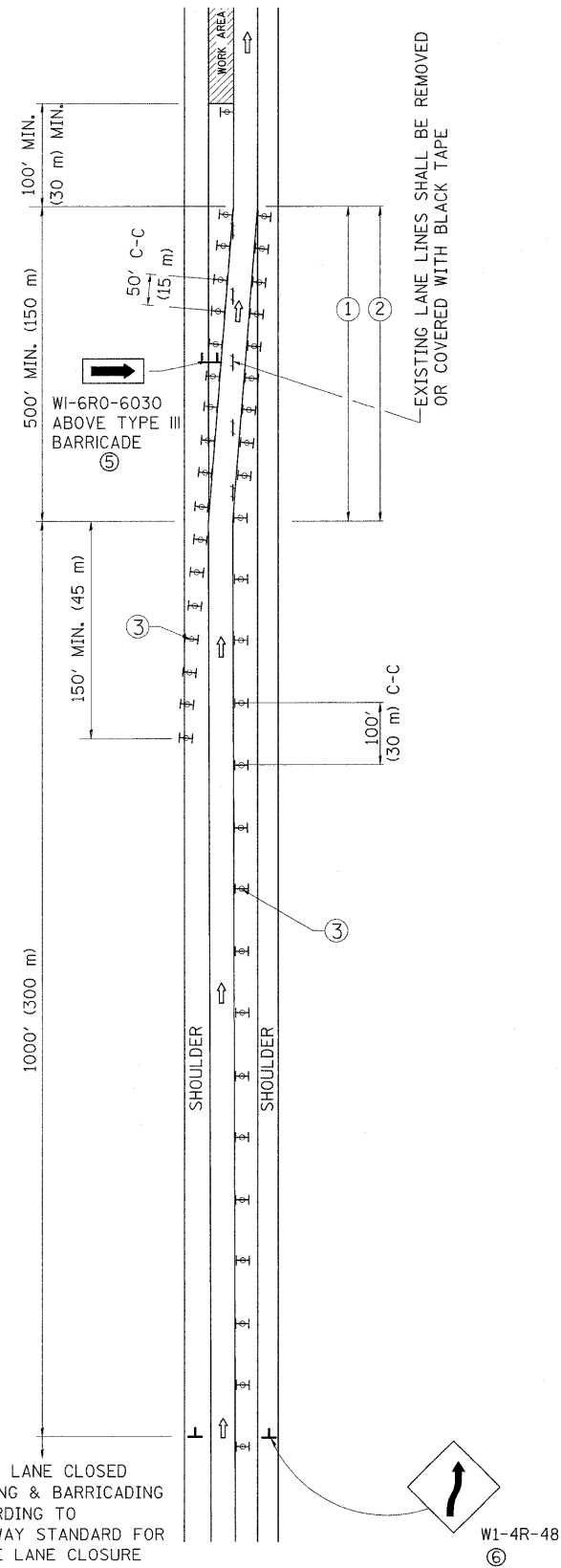
FILE NAME =	USER NAME = abebewa	DESIGNED - DWS	REVISED - DWS/JAF 12-02
cd:\pwwork\p\w\DOT\ABEBAWA\10169692\01st	td.dgn	DRAWN -	REVISED - JAF 02-06
	PLT SCALE = 50.0000' / IN.	CHECKED -	REVISED - SPB 01-07
	PLT DATE = 2/11/2010	DATE - 02-83	REVISED - SPB 12-09

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

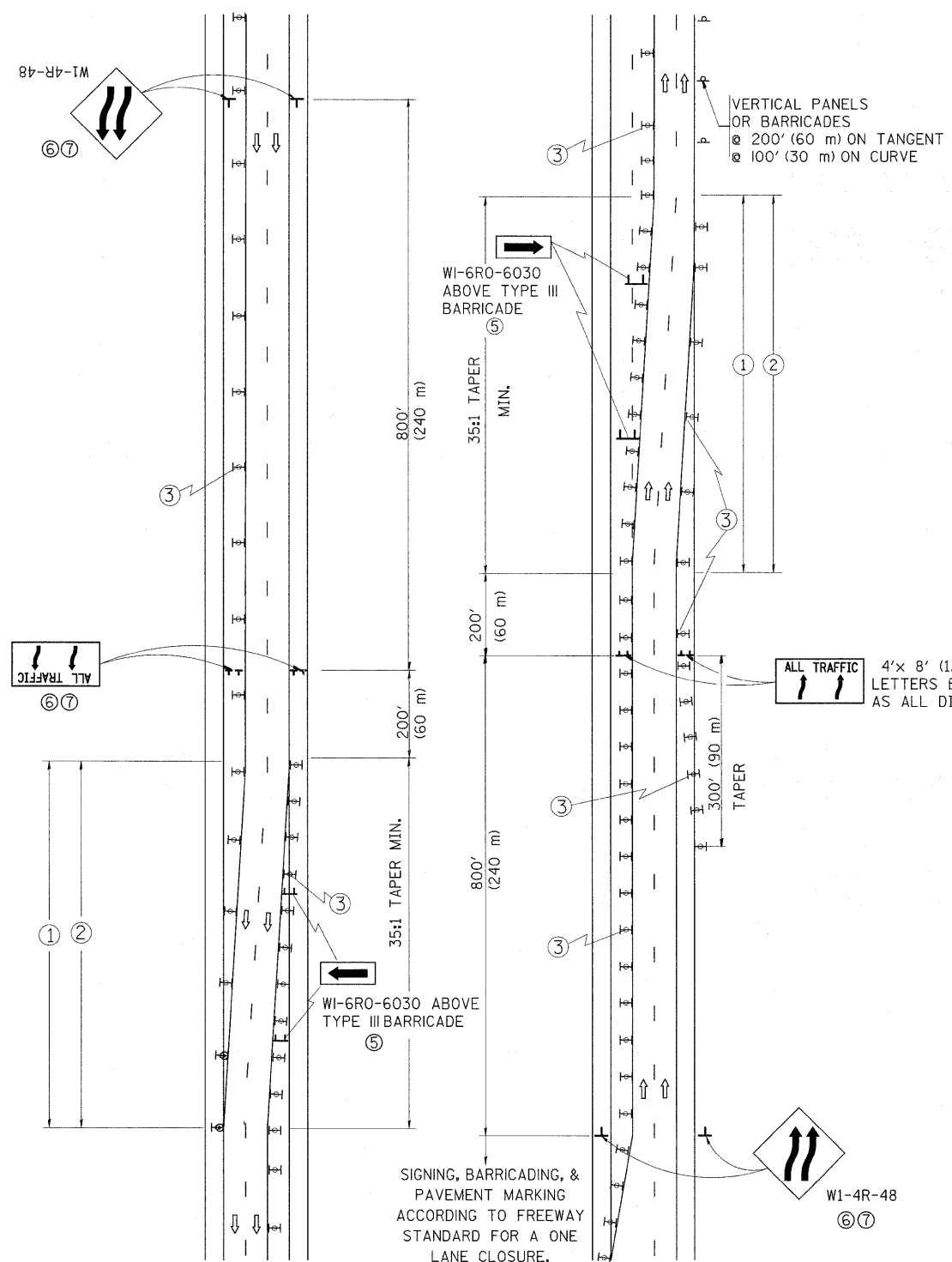
FREWAY ENTRANCE AND EXIST RAMP CLOSURE DETAILS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA. TO STA.	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (I&2) RS-12	WILL	110	102
TC-08		CONTRACT NO. 60K04		
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. W1-6 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.

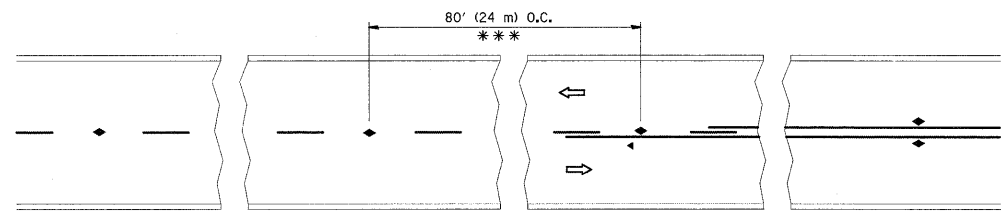
ALL TRAFFIC 4'x 8' (1.2 m x 2.4 m); 1 (25) BORDER; 10 (250) CAPITAL LETTERS BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS.

SYMBOLS

- ↑ DIRECTION OF TRAFFIC
 - ▨ WORK AREA
 - ┆ SIGN ON PORTABLE OR PERMANENT SUPPORT
 - ⊥ TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- W1-4R-48
W24-1-48

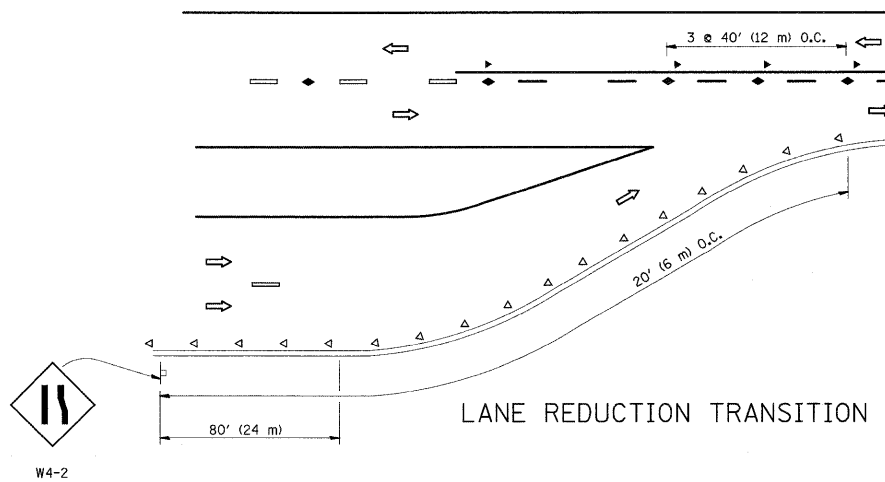
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = abebawa	DESIGNED - DWS	REVISED - JAF 01-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\p\WIDOT\ABEBAWA\0169692\01st.dgn		DRAWN -	REVISED - JAF 02-06		55	99 (I&2) RS-12	WILL	110	103		
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED - SPB 01-07		TC-09		CONTRACT NO. 60K04				
PLOT DATE = 2/11/2010		DATE - 02-87	REVISED - SPB 12-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

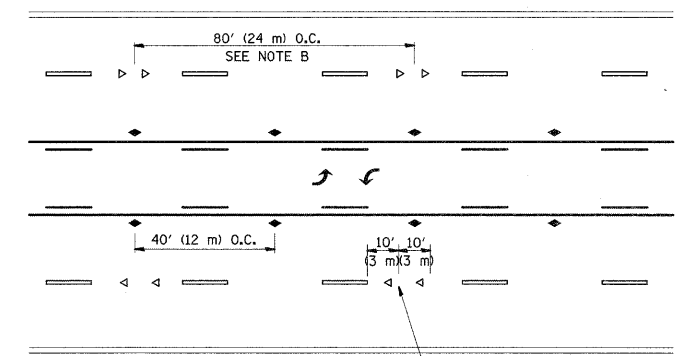


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

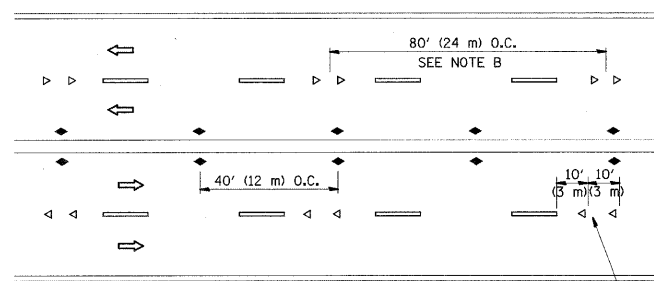
TWO-LANE/TWO-WAY



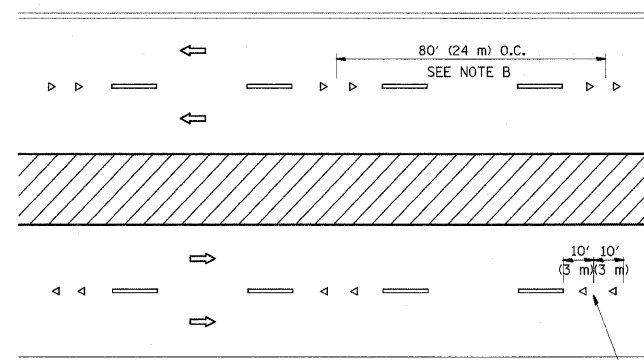
LANE REDUCTION TRANSITION



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

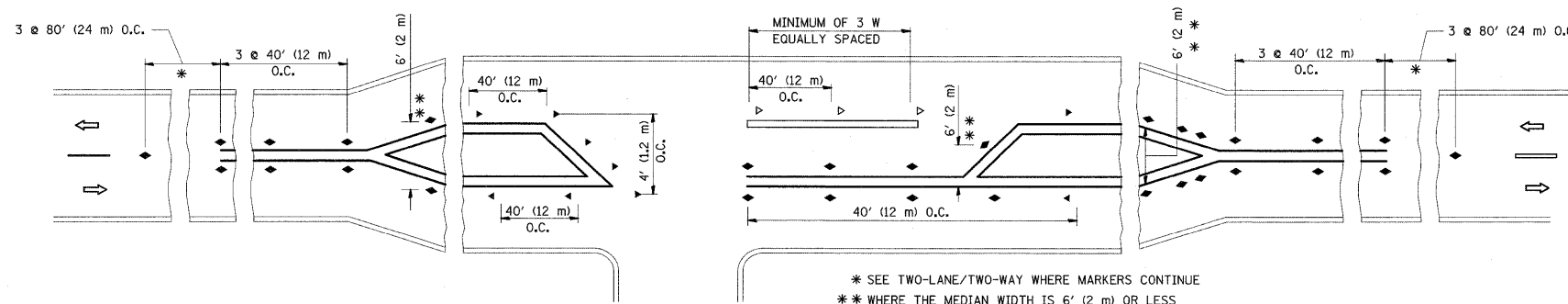
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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 SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

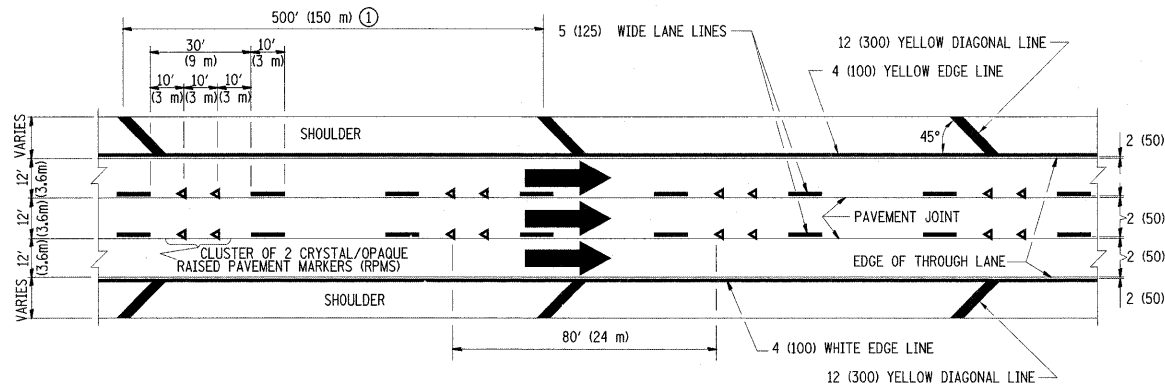


LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

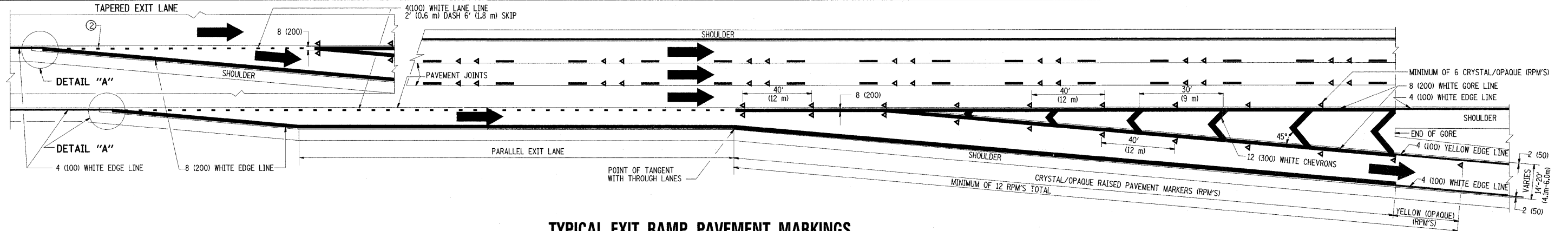
FILE NAME = c:\pwork\p\WIDOT\ABEBAMA\0169692\0169692.dgn	USER NAME = abebawa	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A.I. RTE. 55	SECTION 99 (1&2) RS-12	COUNTY WILL	TOTAL SHEETS 110	SHEET NO. 104
PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED - T. RAMMACHER 03-12-99	REVISED - T. RAMMACHER 01-06-00		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	TC-11 CONTRACT NO. 60K04				
PLOT DATE = 2/11/2010	CHECKED -	REVISED - T. RAMMACHER 01-06-00	REVISED - C. JUICIUS 09-09-09		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT							
	DATE -											



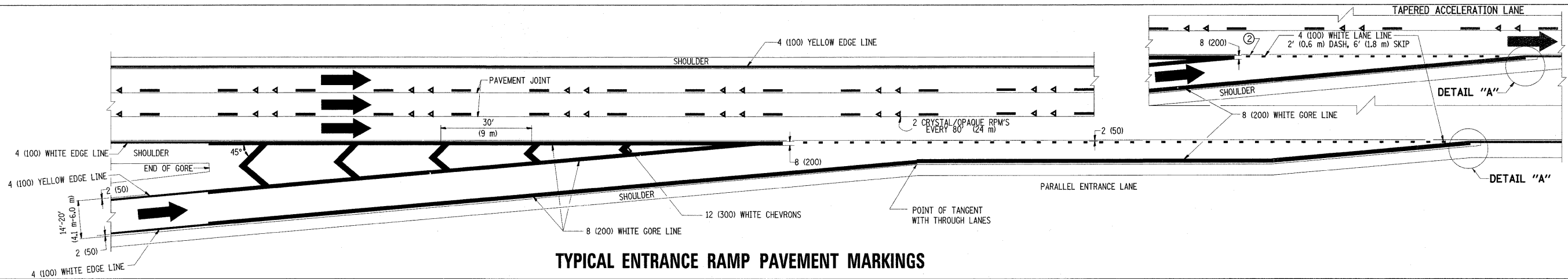
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

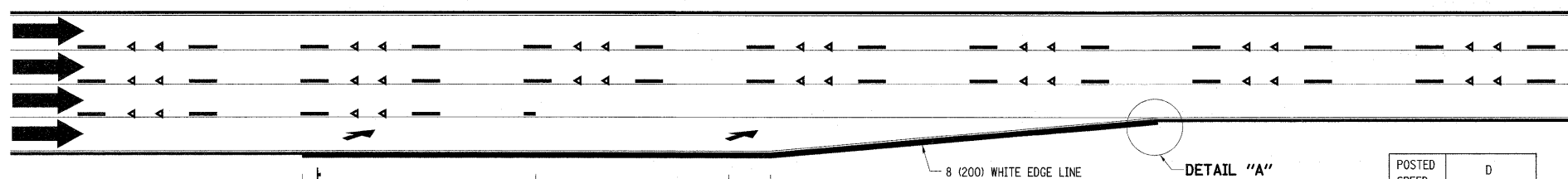
1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE SHALL BE USED FOR ALL LANE LINES ON BITUMINOUS PAVEMENT.
3. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS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



TYPICAL EXIT RAMP PAVEMENT MARKINGS

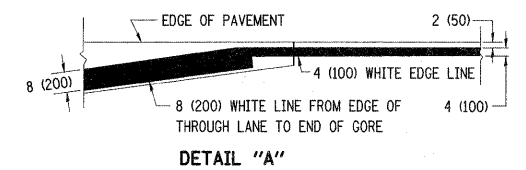


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



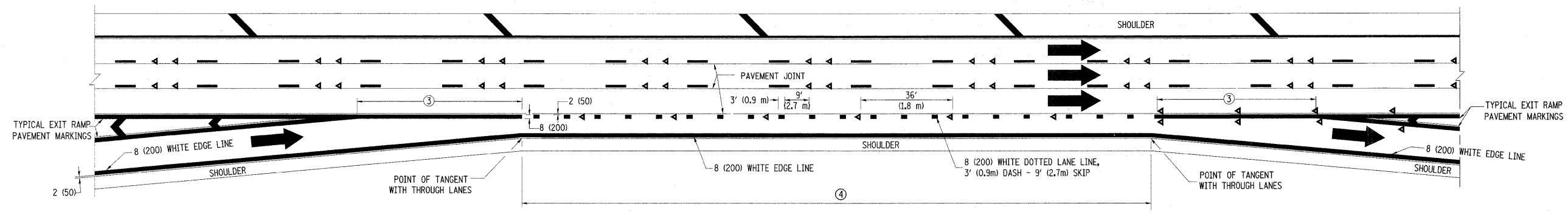
LANE REDUCTION PAVEMENT MARKINGS

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

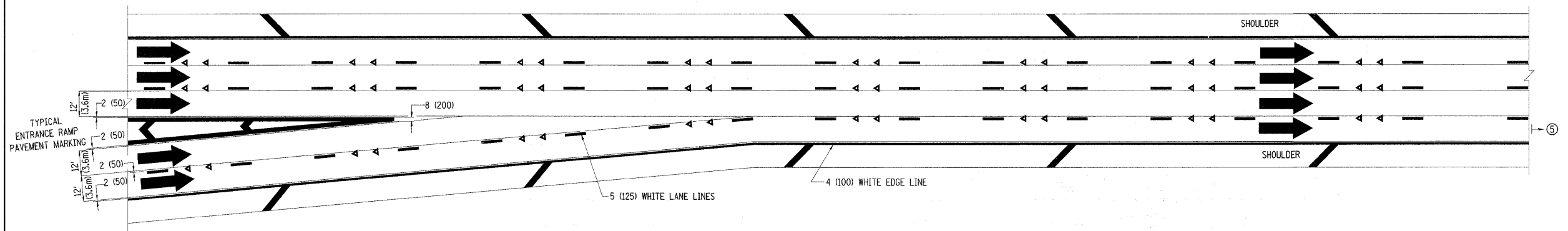


NOTES:

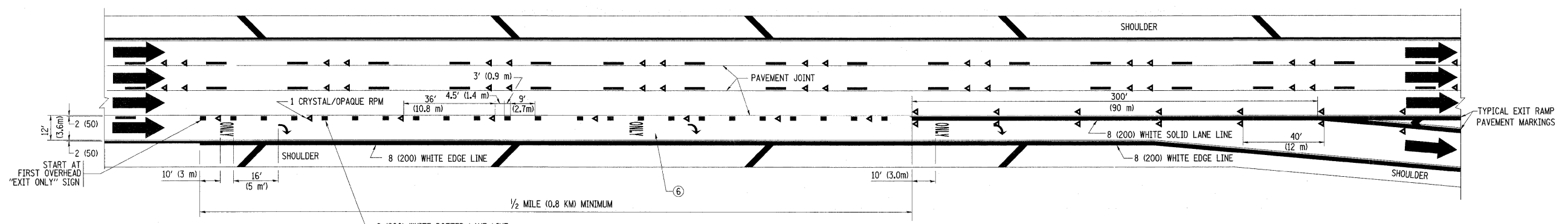
- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
- ② 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT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



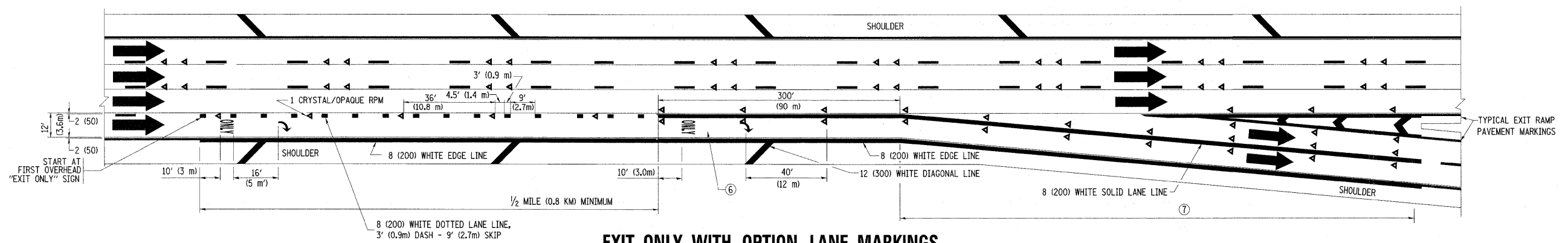
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



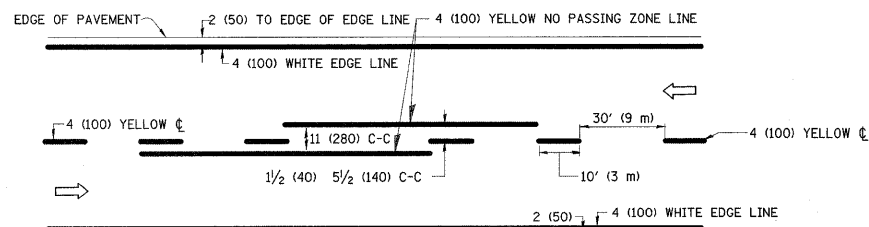
EXIT ONLY LANE MARKINGS



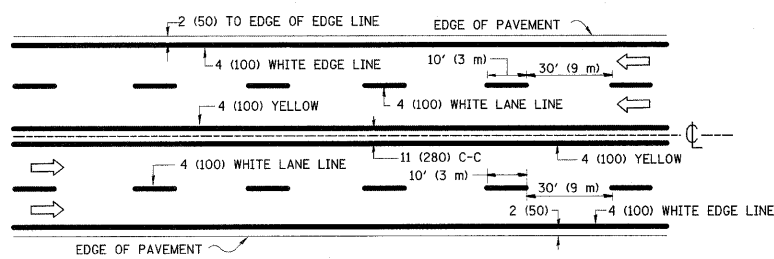
EXIT ONLY WITH OPTION LANE MARKINGS

- 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.

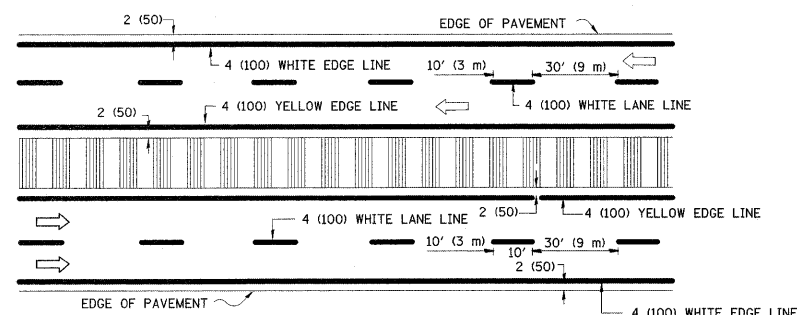
FILE NAME =	USER NAME = abebawa	DESIGNED - D.W.S.	REVISED - D.W.S. 07-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS		F.A.I. RTE. 55	SECTION 99 (1&2) RS-12	COUNTY WILL	TOTAL SHEETS 110	SHEET NO. 106	
c:\pw\work\1\DOT\ABEBAWA\016962\016962.dgn	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED - J.A.F. 02-06		SCALE: NONE	SHEET NO. 2 OF 2 SHEETS	STA. TO STA.	TC-12		CONTRACT NO. 60K04		
PLOT DATE = 2/11/2010	DATE - 01-90	CHECKED -	REVISED - S.P.B. 01-07		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE - 01-90	REVISED - S.P.B. 01-10									



2-LANE ROADWAY



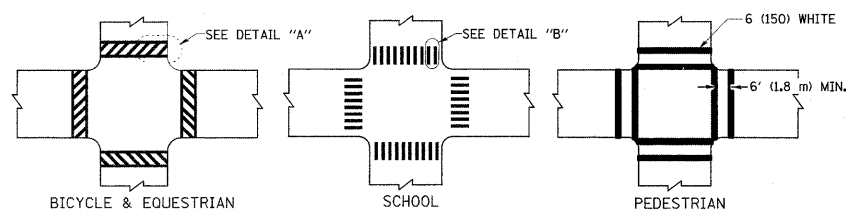
MULTI-LANE UNDIVIDED



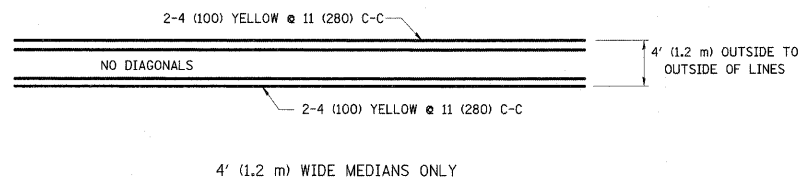
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

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

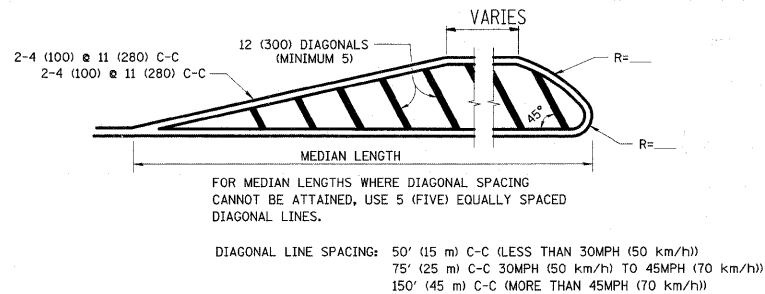
TYPICAL LANE AND EDGE LINE MARKING



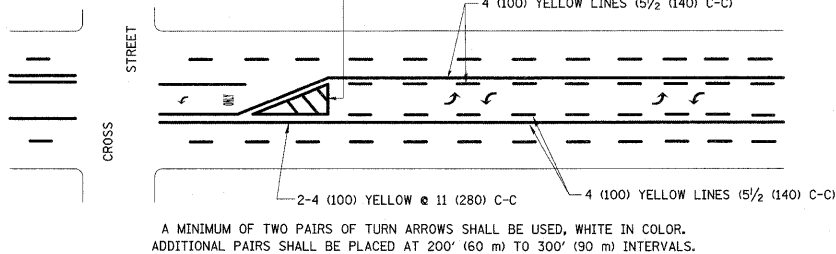
TYPICAL CROSSWALK MARKING



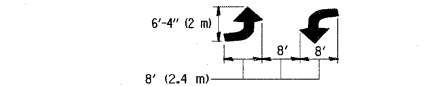
4' (1.2 m) WIDE MEDIANS ONLY



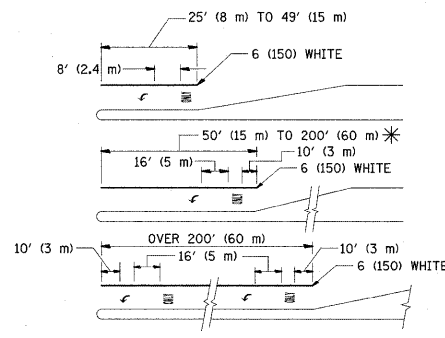
MEDIANS OVER 4' (1.2 m) WIDE



TYPICAL PAINTED MEDIAN MARKING



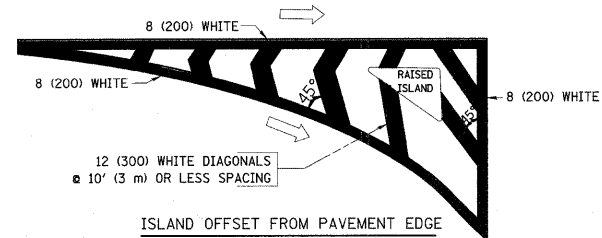
MEDIAN WITH TWO-WAY LEFT TURN LANE



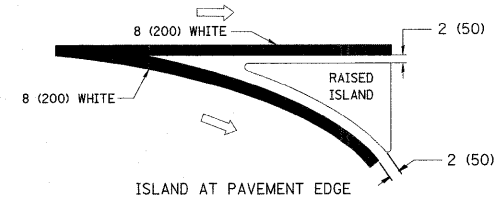
TYPICAL LEFT (OR RIGHT) TURN LANE

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 1/2 (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 1/2 (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" IS 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.

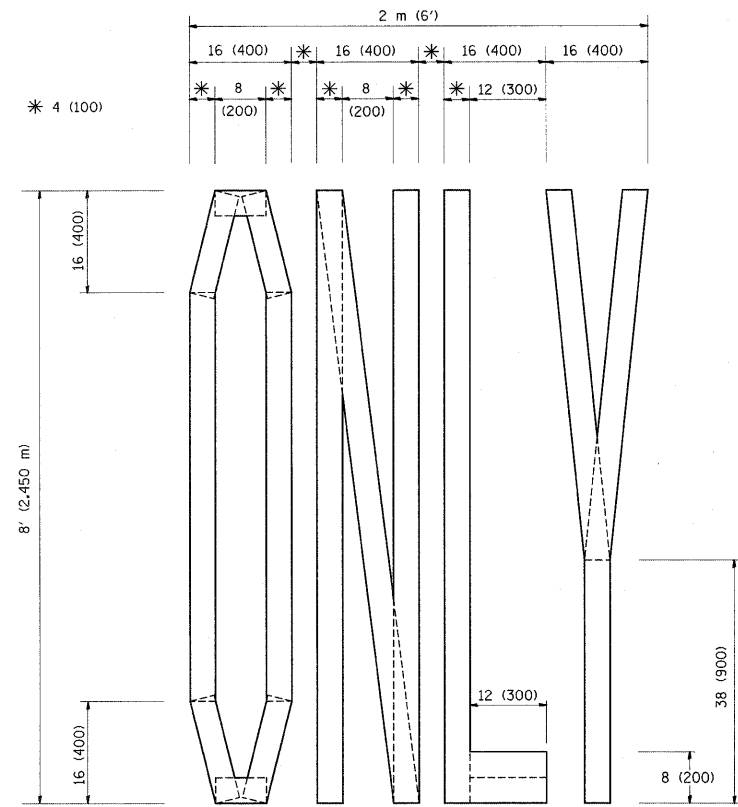
FILE NAME =	USER NAME = a1ebaw	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
o:\pwork\PWIDOT\ABEBAWA\d0159692\d0159692.dgn		DRAWN -	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 2/11/2010		DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

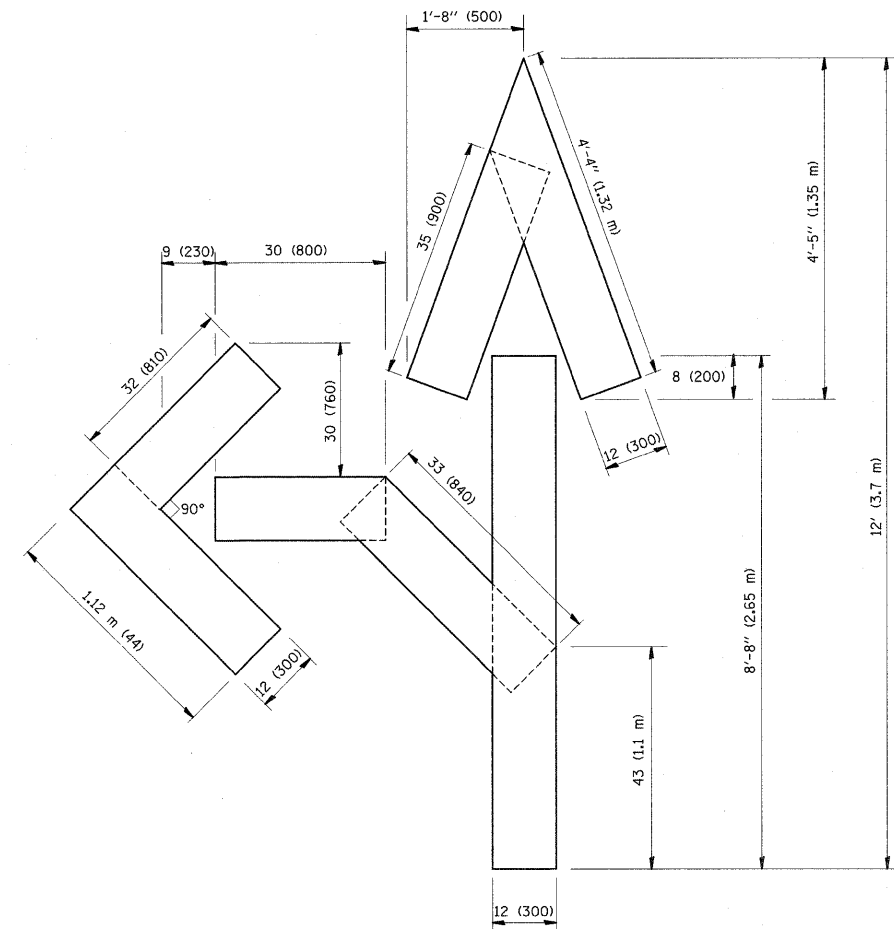
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

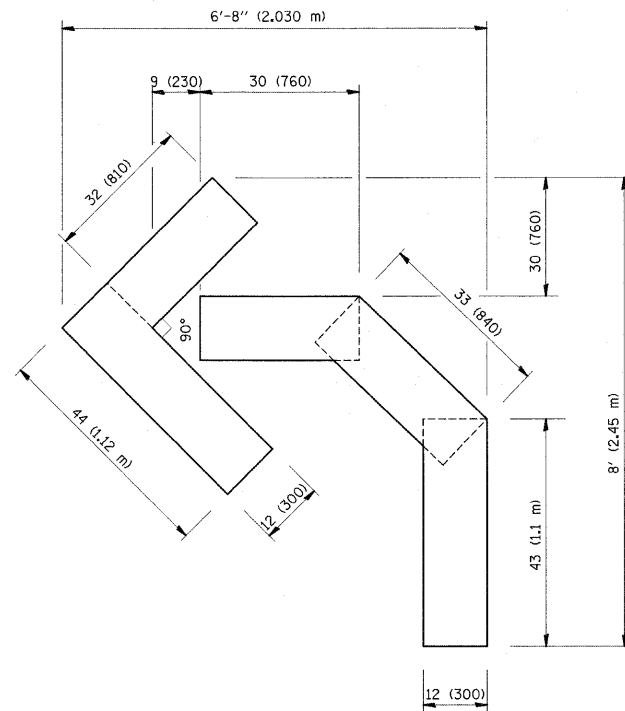
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1&2) RS-12	WILL	110	107
TC-13			CONTRACT NO. 60K04	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

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

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
cd:\pw_work\PIWIDOT\ABEBAWA\0169692\Dist	td.dgn	DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 2/11/2010	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

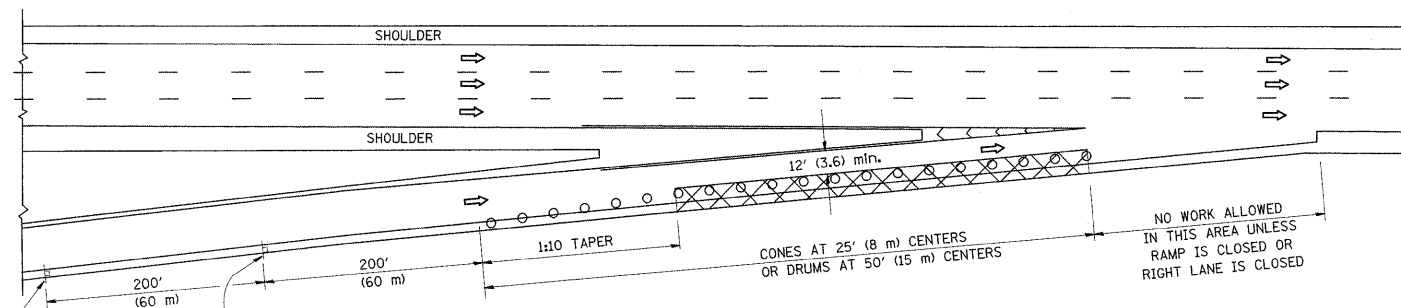
PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

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

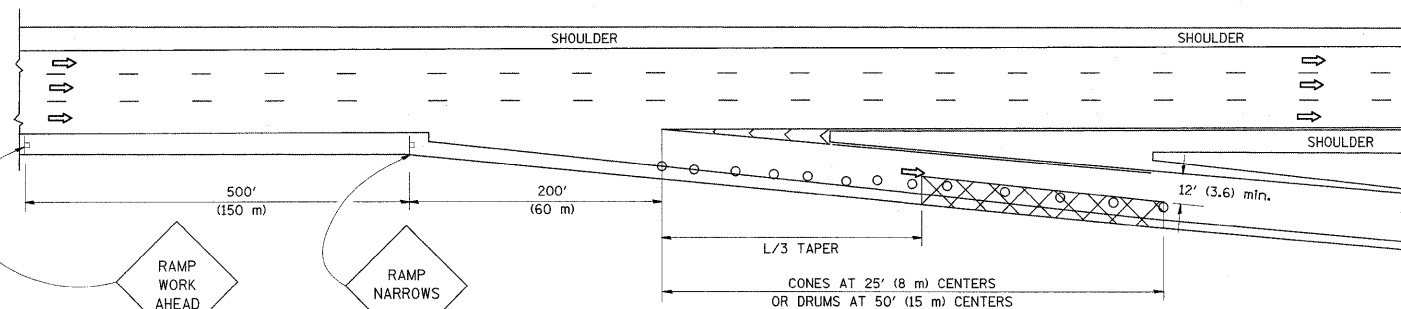
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55	99 (1&2) RS-12	WILL	110	108
TC-16			CONTRACT NO. 60K04	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PARTIAL RAMP CLOSURE DETAILS

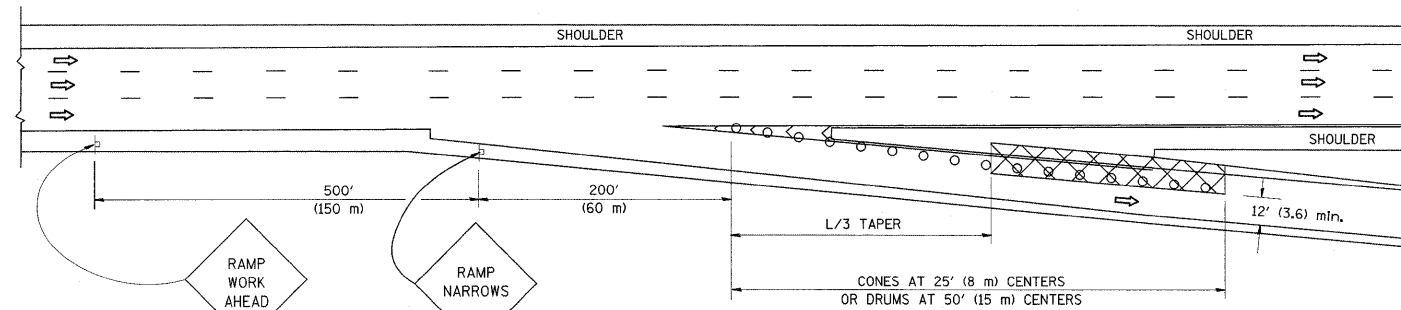
SHOULDER CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

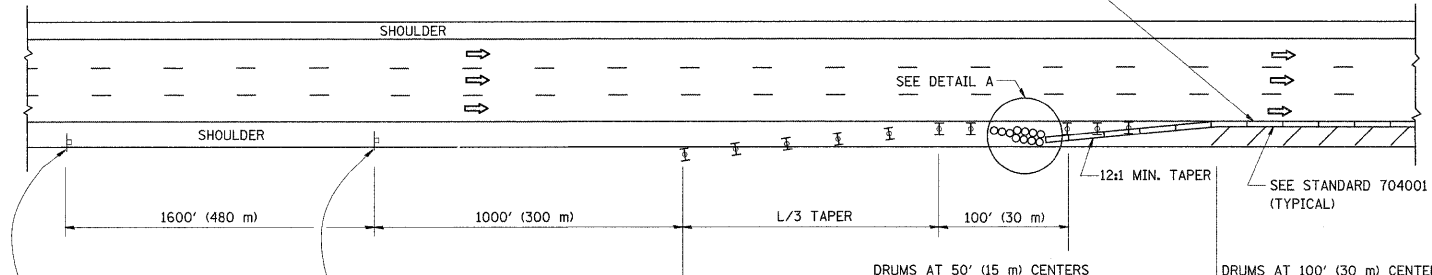
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

GENERAL NOTES

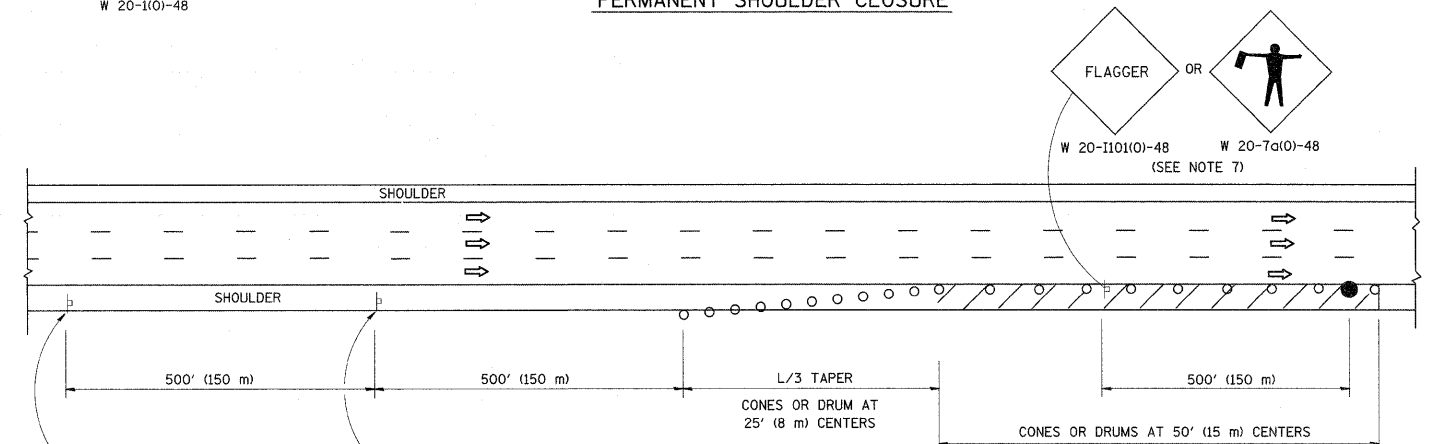
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH L=0.6S(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.
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 ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.

REFLECTIVE 6 (150) EDGE LINE ON LOWER SLOPE OF WALL (LEFT EDGE YELLOW, RIGHT EDGE WHITE)



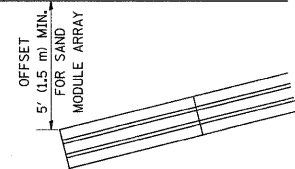
PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

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

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350 COMPLIANT.



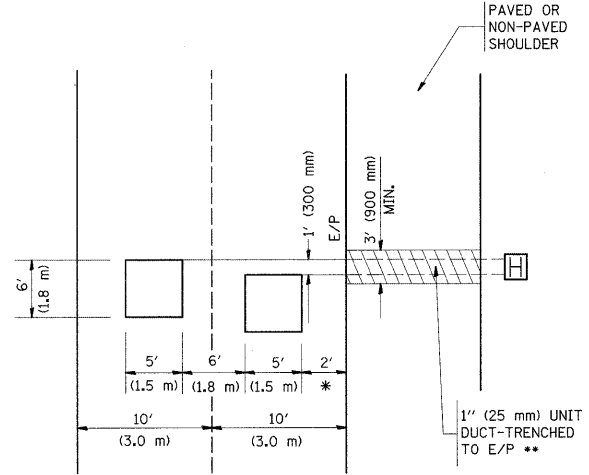
DETAIL "A"
 IMPACT ATTENUATOR, TEMPORARY (SEE NOTE 5)

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

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED - 04-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cr\pwork\PWIDOT\ABEBAWA\d0169692\d0169692.dgn		DRAWN - D.W.S.	REVISED - J.A.F. 12-06		55	99 (1&2) RS-12	WILL	110	109			
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED - S.P.B. 01-07		TC-17				CONTRACT NO. 60K04			
PLOT DATE = 2/11/2010		DATE - 11-96	REVISED - S.P.B. 12-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

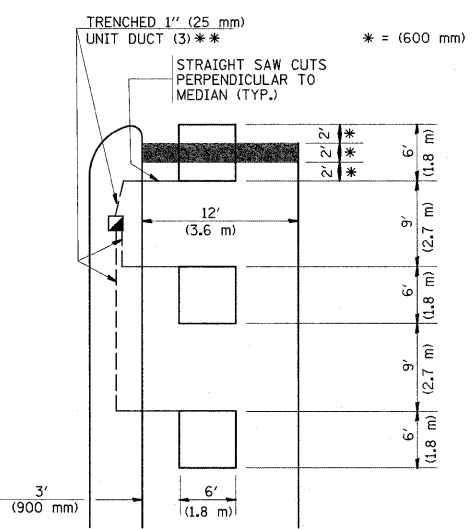


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.

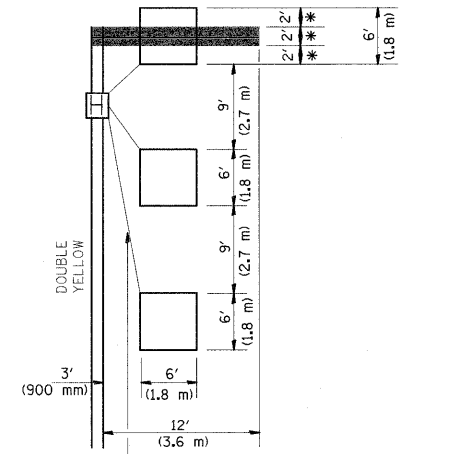


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

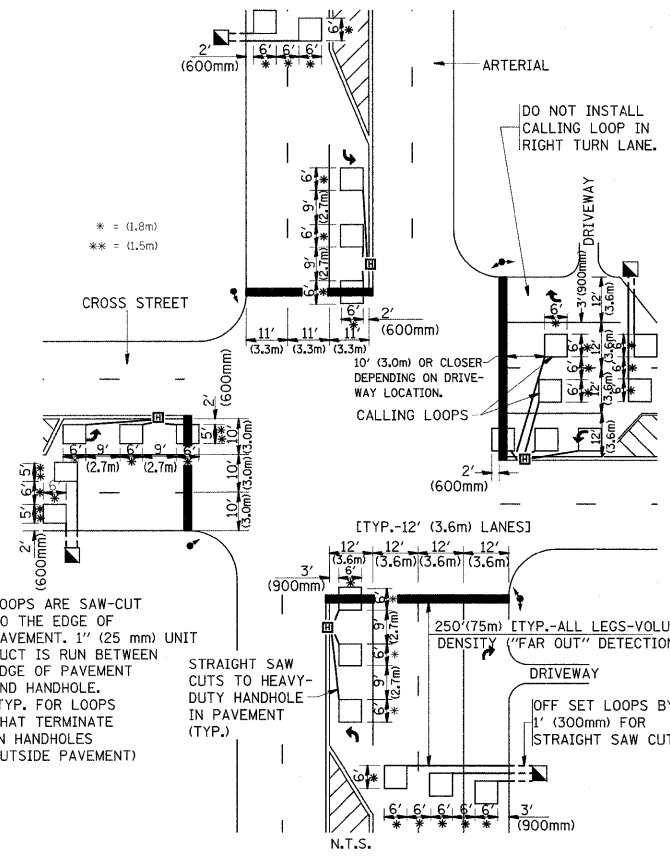
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)

* = (600 mm)



NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

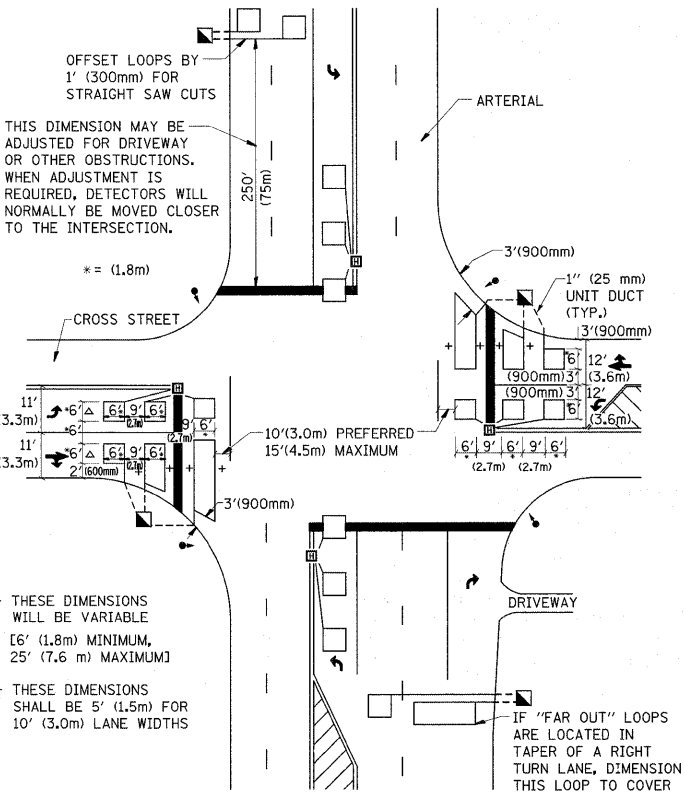
ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)



LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



+ - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8 m) MINIMUM, 25' (7.6 m) MAXIMUM]
△ - THESE DIMENSIONS SHALL BE 5' (1.5 m) FOR 10' (3.0 m) LANE WIDTHS

DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.
LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cd\pw_work\PW\DOT\ABEBAWA\0169692\01st\dtd.dgn	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -					55	99 (I&2) RS-12	WILL	110	110
	PLOT DATE = 2/11/2010	CHECKED - R.K.F.	REVISED -					TS-07				CONTRACT NO. 60K04
		DATE -	REVISED -					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	