01-15-2016 LETTING ITEM 022

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	1
	ILLINOIS	CONTRACT NO. 72H14		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

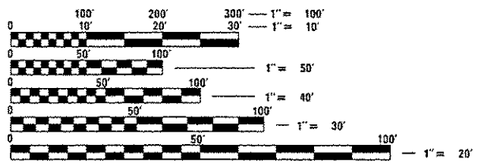
FAP ROUTE 320 (IL 121)
SECTION (134) RS-10, I-3, BJR
PROJECT ACNHPP-0320(040)
3P RESURFACING
LOGAN COUNTY

C-96-085-14

INDEX OF SHEETS

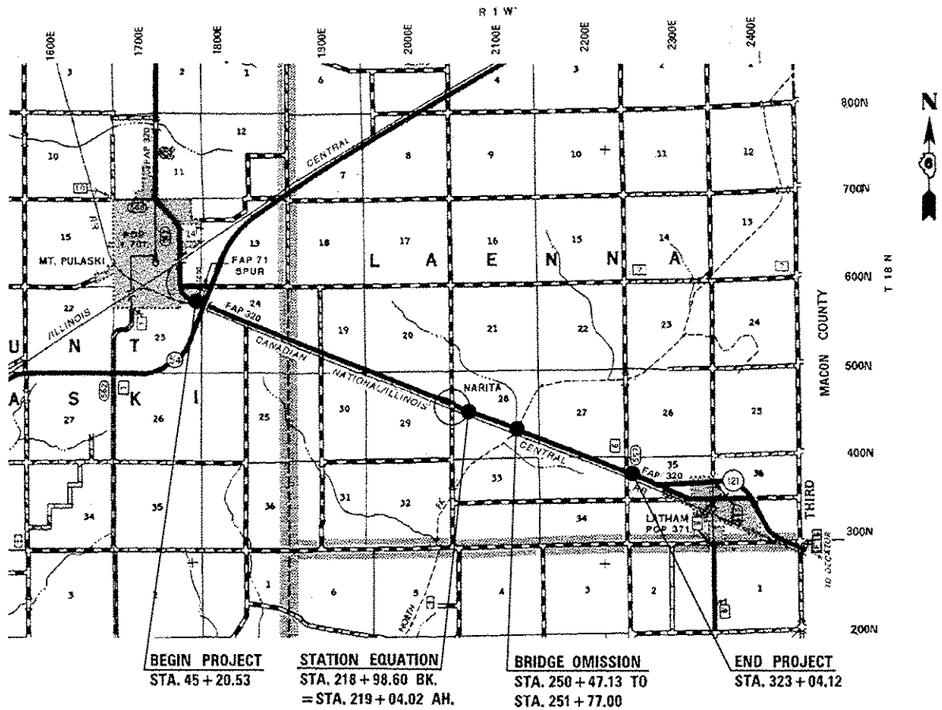
STANDARDS

442201-03	701006-05
630001-10	701011-04
630301-06	701201-04
631031-13	701306-03
635006-03	701311-03
635011-02	701316-09
642006	701326-04
701001-02	701901-04
	781001-03



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



LOCATION MAP

GROSS LENGTH = 27,778.17 FT. = 5.261 MILE
NET LENGTH = 27,648.30 FT. = 5.236 MILE

TRAFFIC COUNT

ADT=3,400 (2013)
PV=2,585 (76.03%)
SU=215 (6.32%)
MU=600 (17.65%)

D-96-085-14

LOCATION OF SECTION INDICATED THUS:- ■

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED October 15 2015
Roger T. Driskell Jr.
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
Dec 4 2015
John D. Baranzelli P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT
Dec 4 2015
Omer Osman P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROJECT ENGINEER: JAY EDWARDS (217) 785-0597
PROJECT MANAGER: JARED MARTIN (217) 524-0064

CONTRACT NO. 72H14

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GENERAL NOTES

1. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

2. IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

3. ACCESS TO ALL ENTRANCES AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS, AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.

5. THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

6. ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED.

7. UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT. EDGE LINES SHALL BE APPROXIMATELY 2" FROM THE EDGE LINE OF PAVEMENT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.

8. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:

BITUMINOUS MATERIALS (PRIME COAT)	0.05 LBS/SQ. FT.. (ON PAVEMENT)
BITUMINOUS MATERIALS (PRIME COAT)	0.25 LBS/SQ. FT. (ON AGG)
BITUMINOUS CONCRETE SURFACE	0.056 TON/SQ. YD. PER 1"
AGGREGATE MATERIAL	2.05 TON/CU. YD.

9. THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.

10. WHERE SECTION OR SUB-SECTION MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED AGENT OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

11. LIMITS OF CONSTRUCTION ALONG SIDE ROADS SHALL BE VERIFIED AND APPROVED BY THE ENGINEER BEFORE WORK BEGINS. LIMITS MAY BE ADJUSTED FROM PROPOSED PLAN LAYOUT IF ENGINEER DEEMS NECESSARY.

12. NO PASSING ZONES TO BE FIELD VERIFIED BY THE BUREAU OF OPERATIONS. THE RESIDENT ENGINEER SHALL NOTIFY THE BUREAU OF OPERATIONS AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PERMANENT PAVEMENT MARKING. (PH: 217-782-7314)

COMMITMENTS

1. THE RESIDENT ENGINEER SHALL CONTACT STUDIES & PLANS CONCERNING ANY MAJOR PLAN CHANGE TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN AND ALLOW AN IMPROVED DESIGN FOR FUTURE PROJECTS.

MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Location(s):	IL 121 MAINLINE
Mixture Use(s):	Surface
PG:	PG 64-22
Design Air Voids:	4.0% @ N70
Mixture Composition:	IL 9.5
Friction Aggregate:	Mix C
Quality Management:	QCP
Sublot Size:	1,000 Tons

Location(s):	IL 121 MAINLINE
Mixture Use(s):	Leveling Binder
PG:	PG 64-22
Design Air Voids:	4.0% @ N70
Mixture Composition:	IL 9.5
Friction Aggregate:	Mix C
Quality Management:	QCP
Sublot Size:	1,000 Tons

Location(s):	ENTRANCES / SHOULDERS / SIDEROADS
Mixture Use(s):	Incidental Surfacing / HMA Shoulders (Top Lift)
PG:	PG 64-22
Design Air Voids:	4.0% @ N50
Mixture Composition:	IL 9.5
Friction Aggregate:	Mix C
Quality Management:	QC / QA
Sublot Size:	N/A

Location(s):	IL 121 MAINLINE / SHOULDERS
Mixture Use(s):	Pavement Patching / HMA Shoulders (Bottom Lift)
PG:	PG 64-22
Design Air Voids:	4.0% @ N70
Mixture Composition:	IL 19.0 or IL 19.0CB
Friction Aggregate:	N/A
Quality Management:	QC / QA
Sublot Size:	N/A

DISTRICT SIX

EXAMINED August 11th 20 15

OPERATIONS ENGINEER

EXAMINED August 17 20 15

PROJECT IMPLEMENTATION ENGINEER

EXAMINED August 18 20 15

PROGRAM DEVELOPMENT ENGINEER

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	PLOT DATE = 10/15/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES / COMMITMENTS
FAP 320 (IL 121)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	2
		CONTRACT NO. 72H14		
		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE 6-00226-0400 ROADWAY 0004 RURAL	80% FEDERAL 20% STATE 6-00226-0600 BRIDGE 0014 S. N. 054-0022
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	553	553	0
35800100	PREPARATION OF BASE	SQ YD	27	27	0
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	11	11	0
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	53477	53477	0
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	2959	2959	0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	955	955	0
40600990	TEMPORARY RAMP	SQ YD	178	178	0
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	5930	5930	0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	70	70	0
44200156	PAVEMENT PATCHING, TYPE II, 13 INCH	SQ YD	100	100	0
44200160	PAVEMENT PATCHING, TYPE III, 13 INCH	SQ YD	192	192	0
44200162	PAVEMENT PATCHING, TYPE IV, 13 INCH	SQ YD	991	991	0
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2378	2378	0
48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SQ YD	24559	24559	0

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	PLOT DATE = 10/15/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FAP 320 (IL 121)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(13,4) RS-10, 1-3, BJR	LOGAN	26	3
		CONTRACT NO. 72H14		
	ILLINOIS FED. AID PROJECT			

	SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
					6-00226-0400	6-00226-0600
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 RURAL	BRIDGE 0014 S. N. 054-0022
	48203100	HOT-MIX ASPHALT SHOULDERS	TON	2063	2063	0
	50102400	CONCRETE REMOVAL	CU YD	1	0	1
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	1	0	1
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	575	575	0
*	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	0
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	6	6	0
	63200310	GUARDRAIL REMOVAL	FOOT	375	375	0
	64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	54316	54316	0
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	0
	67100100	MOBILIZATION	LSUM	1	1	0
	70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1	0	1
	70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1	1	0
	70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	1	0
	70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	LSUM	1	1	0

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* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FAP 320 (IL 121)

SCALE: | SHEET | OF | SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, 1-3, BJR	LOGAN	26	4
		CONTRACT NO. 72H14		
	ILLINOIS FED. AID PROJECT			

	SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
					6-00226-0400	6-00226-0600
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 RURAL	BRIDGE 0014 S. N. 054-0022
	70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	0	1
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	7979	7979	0
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	886	886	0
*	78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	64569	64569	0
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	334	334	0
*	78200410	GUARDRAIL MARKERS, TYPE A	EACH	14	14	0
*	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	6	6	0
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	334	334	0
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	70283	70283	0
	X5015225	PIPE CULVERT REMOVAL (SPECIAL)	FOOT	32	32	0
	X7200201	WIDTH RESTRICTION SIGNING	LSUM	1	0	1
	Z0021907	SILICONE JOINT SEALER, 1.75"	FOOT	35	0	35
	Z0021914	SILICONE JOINT SEALER, 2.75"	FOOT	35	0	35
Ø	Z0076600	TRAINEES	HOUR	1000	1000	
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1	1	0
Ø	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	1000	

* SPECIALTY ITEM Ø 0042

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FAP 320 (IL 121)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, 1-3, BJR	LOGAN	26	5
		CONTRACT NO. 72H14		
	ILLINOIS FED. AID PROJECT			

PAVEMENT SCHEDULE

LOCATION STATION TO STATION FAP 320 (IL 121)	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	HOT-MIX ASPHALT SURF. REM. BUTT-JOINT (SQ YD)	HMA SURF. REM. VARI. DEPTH (SQ YD)	HMA LEVEL BINDER (MM) N70 (3/4") (TON)	HMA SURF. COURSE MIX "C", N70 (1 1/2") (TON)	BIT. MAT. (PRIME (POUND)
NORTHBOUND								
STATION EQUATION STA. 577+69.96 BK. = STA. 45+20.53 AH.								
STA. 45+20.53 TO STA. 45+50.53	30.00	12	40.0	40.0	0.0	0.8	3.4	27.0
STA. 45+50.53 TO STA. 218+98.60	17,348.07	12	23130.8	0.0	23130.8	971.5	1,943.0	15613.3
STATION EQUATION STA. 218+98.60 BK. = STA. 219+04.02 AH.								
STA. 219+04.02 TO STA. 250+17.13	3,113.11	12	4150.8	0.0	4150.8	174.3	348.7	2801.8
STA. 250+17.13 TO STA. 250+47.13	30.00	12	40.0	40.0	0.0	0.8	3.4	27.0
BRIDGE OMISSION S.N. 054-0022								
STA. 251+77.00 TO STA. 252+07.00	30.00	12	40.0	40.0	0.0	0.8	3.4	27.0
STA. 252+07.00 TO STA. 311+02.00	5,895.00	12	7860.0	0.0	7860.0	330.1	660.2	5305.5
STA. 311+02.00 TO STA. 311+32.00	30.00	12	40.0	40.0	0.0	0.8	3.4	27.0
SUB-TOTAL				160.0	35141.6	1479.3	2965.3	23828.6
SOUTHBOUND								
STATION EQUATION STA. 577+69.96 BK. = STA. 45+20.53 AH.								
STA. 45+20.53 TO STA. 45+50.53	30.00	12	40.0	40.0	0	0.8	3.4	27.0
STA. 45+50.53 TO STA. 218+98.60	17,348.07	12	23130.8	0.0	23130.8	971.5	1,943.0	15613.3
STATION EQUATION STA. 218+98.60 BK. = STA. 219+04.02 AH.								
STA. 219+04.02 TO STA. 250+17.13	3,113.11	12	4150.8	0.0	4150.8	174.3	348.7	2801.8
STA. 250+17.13 TO STA. 250+47.13	30.00	12	40.0	40.0	0.0	0.8	3.4	27.0
BRIDGE OMISSION S.N. 054-0022								
STA. 251+77.00 TO STA. 252+07.00	30.00	12	40.0	40.0	0.0	0.8	3.4	27.0
STA. 252+07.00 TO STA. 311+02.00	5,895.00	12	7860.0	0.0	7860.0	330.1	660.2	5305.5
STA. 311+02.00 TO STA. 311+32.00	30.00	12	40.0	40.0	0.0	0.8	3.4	27.0
SUB-TOTAL				160.0	35141.6	1479.3	2965.3	23828.6
TOTAL				320.0	70,283.1	2,958.6	5,930.7	47,657.1

HOT-MIX ASPHALT SHOULDER SCHEDULE

LOCATION STATION TO STATION FAP 320 (IL 121)	LENGTH (FT)	EXISTING WIDTH (FT)	PROPOSED WIDTH (FT)	EX. & GR. EXIST. SHLDR (SPECIAL) (UNIT)	HOT-MIX ASPHALT SHOULDERS, 6 1/2" (SQ YD)	HOT-MIX ASPHALT SHOULDERS, 1 1/2" (TON)	BITUMINOUS MATERIALS (PRIME COAT) (POUND)
NORTHBOUND							
STATION EQUATION STA. 577+69.96 BK. = STA. 45+20.53 AH.							
STA. 45+20.53 TO STA. 52+00.00	679.47	1	4	6.8	302.0	25.4	67.9
STA. 52+00.00 TO STA. 218+98.60	16,698.60	0	4	167.0	7421.6	623.4	1669.9
STATION EQUATION STA. 218+98.60 BK. = STA. 219+04.02 AH.							
STA. 219+04.02 TO STA. 245+45.51	2,641.49	0	4	26.4	1174.0	98.6	264.1
STA. 245+45.51 TO STA. 250+47.13	501.62	3	4	5.0	222.9	18.7	50.2
BRIDGE OMISSION S.N. 054-0022							
STA. 251+77.00 TO STA. 256+79.36	502.36	3	4	5.0	223.3	18.8	50.2
STA. 256+79.36 TO STA. 322+65.67	6,586.31	0	4	65.9	2927.2	245.9	658.6
SUB-TOTAL				276.1	12271.0	1030.8	2761.0
SOUTHBOUND							
STATION EQUATION STA. 577+69.96 BK. = STA. 45+20.53 AH.							
STA. 45+20.53 TO STA. 52+00.00	679.47	1	4	6.8	302.0	25.4	67.9
STA. 52+00.00 TO STA. 218+98.60	16,698.60	0	4	167.0	7421.6	623.4	1669.9
STATION EQUATION STA. 218+98.60 BK. = STA. 219+04.02 AH.							
STA. 219+04.02 TO STA. 244+94.59	2,590.57	0	4	25.9	1151.4	96.7	259.1
STA. 244+94.59 TO STA. 250+47.13	552.54	3	4	5.5	245.6	20.6	55.3
BRIDGE OMISSION S.N. 054-0022							
STA. 251+77.00 TO STA. 257+31.15	554.15	3	4	5.5	246.3	20.7	55.4
STA. 257+31.15 TO STA. 323+04.12	6,572.97	0	4	65.7	2921.3	245.4	657.3
SUB-TOTAL				276.5	12288.1	1032.2	2764.8
TOTAL				552.58	24,559.18	2,062.97	5,525.82

SHOULDER RUMBLE STRIPS, 8"

LOCATION STATION TO STATION	RUMBLE STRIP (FT)
FAP 320 (IL 121)	
NORTHBOUND	
STATION EQUATION STA. 577+69.96 BK. = STA. 45+20.53 AH.	
STA. 45+20.53 TO STA. 123+85.00	7864.5
STA. 124+42.00 TO STA. 181+44.00	5702.0
STA. 182+03.00 TO STA. 209+07.00	2704.0
STA. 209+61.00 TO STA. 218+98.60	937.6
STATION EQUATION STA. 218+98.60 BK. = STA. 219+04.02 AH.	
STA. 219+04.02 TO STA. 235+15.00	1611.0
STA. 235+48.00 TO STA. 250+47.13	1499.1
BRIDGE OMISSION S.N. 054-0022	
STA. 251+77.00 TO STA. 285+04.00	3327.0
STA. 285+46.00 TO STA. 308+72.00	2326.0
STA. 309+03.00 TO STA. 322+65.00	1362.0
SUB-TOTAL	27333.2
SOUTHBOUND	
STATION EQUATION STA. 577+69.96 BK. = STA. 45+20.53 AH.	
STA. 45+20.53 TO STA. 74+20.00	2899.5
STA. 75+31.00 TO STA. 116+81.00	4150.0
STA. 117+51.00 TO STA. 124+05.00	654.0
STA. 124+67.00 TO STA. 181+46.00	5679.0
STA. 181+82.00 TO STA. 200+90.00	1908.0
STA. 201+48.00 TO STA. 202+78.00	130.0
STA. 203+31.00 TO STA. 209+26.00	595.0
STA. 209+78.00 TO STA. 218+98.60	920.6
STATION EQUATION STA. 219+98.60 BK. = STA. 219+04.02 AH.	
STA. 219+04.02 TO STA. 234+88.00	1584.0
STA. 235+47.00 TO STA. 250+47.13	1500.1
BRIDGE OMISSION S.N. 054-0022	
STA. 251+77.00 TO STA. 308+46.00	5669.0
STA. 309+10.00 TO STA. 322+04.00	1294.0
SUB-TOTAL	26983.2
TOTAL	54,316

TEMPORARY RAMPS

LOCATION STATION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)
FAP 320 (IL 121)			
STA. 45+20.53	5.0	24.0	13.3
STA. 250+47.13	5.0	24.0	13.3
STA. 251+77.00	5.0	24.0	13.3
STA. 311+32.00	5.0	24.0	13.3
TR 240 (1750th Ave)			
STA. 74+88.40 RT.	5.0	83.0	46.1
TR 268 (1842nd Ave)			
STA. 124+28.41 RT.	5.0	43.0	23.9
STA. 124+28.41 LT.	5.0	30.0	16.7
TR 288 (2000th Ave)			
STA. 209+43.52 RT.	5.0	34.0	18.9
STA. 209+43.52 LT.	5.0	34.0	18.9
TOTAL			177.8

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
FAP 320 (IL 121)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	6
		CONTRACT NO. 72H14		
		ILLINOIS FED. AID PROJECT		

ENTRANCE SCHEDULE

LOCATION STATION FAP 320 (IL 121)			WIDTH ACROSS FRONT (FT)	WIDTH ACROSS BACK (FT)	LENGTH OF IMPROVEMENT FROM EOP (FT)	AREA (SQ YD)	EXIST. SURF. TYPE	HOT-MIX ASPH. SURF. REMOVAL BUTT - JT. (SQ YD)	PREPARATION OF BASE (SQ YD)	INCIDENTAL HOT-MIX ASPH. SURF. (TON)	BIT. MAT. PRIME COAT (POUNDS)	AGG. SURFACE CSE. TYPE B (TON)
STATION EQUATION STA. 577+69.96 BK. = STA. 45+20.53 AH.												
STA. 74+88.40	TR 240 (1750th Ave)	RT.	108	80	10	104.4	HMA / O & C	104.4	0.00	10.97	47.0	-
STA. 117+13.60	C.E.	RT.	63	38	10	56.1	HMA / AGG	56.1	0.00	5.89	25.3	1.50
STA. 124+28.41	TR 268 (1842nd Ave)	LT.	57	35	10.5	53.7	HMA / O & C	53.7	0.00	5.64	24.2	-
STA. 124+28.41	TR 268 (1842nd Ave)	RT.	62	40	10	56.7	HMA / O & C	56.7	0.00	5.95	25.5	-
STA. 181+61.92	P.E.	RT.	36	26	8	27.6	HMA / AGG	27.6	0.00	2.89	12.4	1.50
STA. 181+72.72	MBT	LT.	58	16	8.5	34.9	HMA / AGG	34.9	0.00	3.67	15.7	-
STA. 201+13.93	C.E.	RT.	58	30	10.5	51.3	HMA / AGG	51.3	0.00	5.39	23.1	1.50
STA. 203+09.17	C.E.	RT.	53	33	10.5	50.2	HMA / AGG	50.2	0.00	5.27	22.6	1.50
STA. 209+43.52	TR 288 (2000th Ave)	LT.	54	28	10.5	47.8	HMA / O & C	47.8	0.00	5.02	21.5	-
STA. 209+43.52	TR 288 (2000th Ave)	RT.	53	32	9.5	44.9	HMA / O & C	44.9	0.00	4.71	20.2	-
STATION EQUATION STA. 218+98.60 BK. = STA. 219+04.02 AH.												
STA. 235+22.23	MBT	RT.	58	19	7	29.9	HMA / AGG	29.9	0.00	3.14	13.5	-
STA. 235+26.97	P.E.	LT.	33	21	8	24.0	HMA / AGG	24.0	0.00	2.52	10.8	1.50
BRIDGE OMISSION S.N. 054-0022												
STA. 285+27.87	P.E.	LT.	41	29	7	27.2	AGG	0.0	27.2	2.86	12.3	1.50
STA. 308+81.46	MBT	RT.	64	14	8	34.7	HMA / AGG	34.7	0.00	3.64	15.6	-
STA. 308+92.05	P.E.	LT.	30	18	7	18.7	HMA / AGG	18.7	0.00	1.96	8.4	1.50
							TOTAL	634.9	27.2	69.5	297.94	10.50

SHORT-TERM PAVEMENT MARKING

LOCATION STATION TO STATION FAP 320 (IL 121)	LENGTH (FT)	SPACING	NUMBER OF APPLICATIONS	SHORT-TERM PAVE MARK (FT)	WORK ZONE PAVE MARK REM (SQ FT)
STATION EQUATION STA. 577+69.96 BK. = STA. 45+20.53 AH.					
STA. 45+20.53 TO STA. 218+98.60	17378.1	4"/40'	3	5225.4	580
STATION EQUATION STA. 218+98.60 BK. = STA. 219+04.02 AH.					
STA. 219+04.02 TO STA. 250+47.13	3143.1	4"/40'	3	954.9	106
BRIDGE OMISSION S.N. 054-0022					
STA. 251+77.00 TO STA. 311+32.00	5955.0	4"/40'	3	1798.5	200
			TOTAL	7,978.9	886

GUARDRAIL SCHEDULE

LOCATION STATION TO STATION FAP 320 (IL 121)	LENGTH (FT)	GUARDRAIL REMOVAL (FT)	SPBG TY. A 6' POST (FT)	TR. BAR. TERM., TY 1 (SPL) TANGENT (EACH)	TR. BAR. TERM., TY 6 (EACH)	GUARDRAIL MARKERS TY. A (EACH)	TERMINAL MARKER DIRECT APPLIED (EACH)
STA. 46+32.50 RT TO STA. 48+07.50 RT	175.00	-	75.0	2.0	-	2.0	2.0
STA. 247+78.13 RT TO STA. 250+49.72 RT	271.59	93.8	175.0	1.0	1.0	4.0	1.0
STA. 248+77.03 LT TO STA. 250+48.85 LT	171.82	93.8	75.0	1.0	1.0	2.0	1.0
BRIDGE OMISSION S.N. 054-0022							
STA. 251+74.44 RT TO STA. 253+46.16 RT	171.72	93.8	75.0	1.0	1.0	2.0	1.0
STA. 251+74.93 LT TO STA. 254+46.42 LT	271.49	93.8	175.0	1.0	1.0	4.0	1.0
	TOTAL	375.2	575.0	6.0	4.0	14.0	6.0

PAVEMENT MARKING

LOCATION STATION TO STATION FAP 320 (IL 121)	DESCRIPTION	LENGTH (FT)	SPACING	LINE-5" YELLOW (FT)	LINE-5" WHITE (FT)
STATION EQUATION STA. 577+69.96 BK. = STA. 45+20.53 AH.					
STA. 45+20.53 TO STA. 198+46.00	SKIP-DASH	15325.47	10' @ 40'	3841	-
STA. 198+46.00 TO STA. 206+00.00	SKIP-DASH (NORTH BOUND)	754.00	10' @ 40'	199	-
STA. 198+46.00 TO STA. 211+80.00	SOLID (SOUTH BOUND NPZ)	1334.00	-	1334	-
STA. 206+00.00 TO STA. 214+64.00	SOLID (NORTH BOUND NPZ)	864.00	-	864	-
STA. 211+80.00 TO STA. 214+64.00	SKIP-DASH (SOUTH BOUND)	284.00	10' @ 40'	81	-
STA. 214+64.00 TO STA. 218+98.60	SKIP-DASH	434.60	10' @ 40'	119	-
STA. 45+20.53 TO STA. 218+98.60	SOLID (EDGE LINE RT)	17378.07	-	-	17378
STA. 45+20.53 TO STA. 218+98.60	SOLID (EDGE LINE LT)	17378.07	-	-	17378
STATION EQUATION STA. 218+98.60 BK. = STA. 219+04.02 AH.					
STA. 219+04.02 TO STA. 323+17.92	SKIP-DASH	10413.90	10' @ 40'	2613	-
STA. 219+04.02 TO STA. 323+04.12	SOLID (EDGE LINE RT)	10400.10	-	-	10400
STA. 219+04.02 TO STA. 322+65.67	SOLID (EDGE LINE LT)	10361.65	-	-	10362
			SUB TOTAL	9051	55518
				TOTAL	64,569

AGGREGATE SHOULDERS TYPE B

LOCATION STATION TO STATION FAP 320 (IL 121)	LENGTH (FT)	WIDTH (FT)	(TONS)
SOUTHBOUND			
STATION EQUATION STA. 577+69.96 BK. = STA. 45+20.53 AH.			
STA. 45+20.53 TO STA. 74+32.94	2912.41	3	126.0
STA. 75+33.31 TO STA. 124+06.56	4873.25	3	210.9
STA. 124+64.56 TO STA. 209+28.46	8463.90	3	366.3
STA. 209+78.43 TO STA. 218+98.60	920.17	3	39.8
STATION EQUATION STA. 218+98.60 BK. = STA. 219+04.02 AH.			
STA. 219+04.02 TO STA. 250+47.13	3143.11	3	136.0
BRIDGE OMISSION S.N. 054-0022			
STA. 251+77.00 TO STA. 323+04.12	7127.12	3	308.4
		SUB TOTAL	1187.5
NORTHBOUND			
STATION EQUATION STA. 577+69.96 BK. = STA. 45+20.53 AH.			
STA. 45+20.53 TO STA. 123+98.77	7878.24	3	341.0
STA. 124+49.87 TO STA. 209+07.45	8457.58	3	366.0
STA. 209+56.10 TO STA. 218+98.60	942.50	3	40.8
STATION EQUATION STA. 218+98.60 BK. = STA. 219+04.02 AH.			
STA. 219+04.02 TO STA. 250+47.13	3143.11	3	136.0
BRIDGE OMISSION S.N. 054-0022			
STA. 251+77.00 TO STA. 322+65.67	7088.67	3	306.8
		SUB TOTAL	1190.6
		TOTAL	2,378.1

PIPE CULVERT REMOVAL (SPECIAL)

LOCATION STATION	LENGTH (FT)
FAP 320 (IL 121)	
STA. 46+74.00 RT.	32
TOTAL	32

RAISED REFLECTIVE PAVEMENT MARKERS

LOCATION STATION TO STATION FAP 320 (IL 121)	LENGTH (FT)	SPACING (FT)	TWO-WAY AMBER MARKER (EACH)	REMOVAL (EACH)
STATION EQUATION STA. 577+69.96 BK. = STA. 45+20.53 AH.				
STA. 45+20.53 TO STA. 218+98.60	17,378.1	1/80	218	218
STATION EQUATION STA. 218+98.60 BK. = STA. 219+04.02 AH.				
STA. 219+04.02 TO STA. 250+47.13	3,143.1	1/80	40	40
BRIDGE OMISSION S.N. 054-0022				
STA. 251+77.00 TO STA. 311+32.00	5,955.0	1/80	75	75
		TOTALS	334	334

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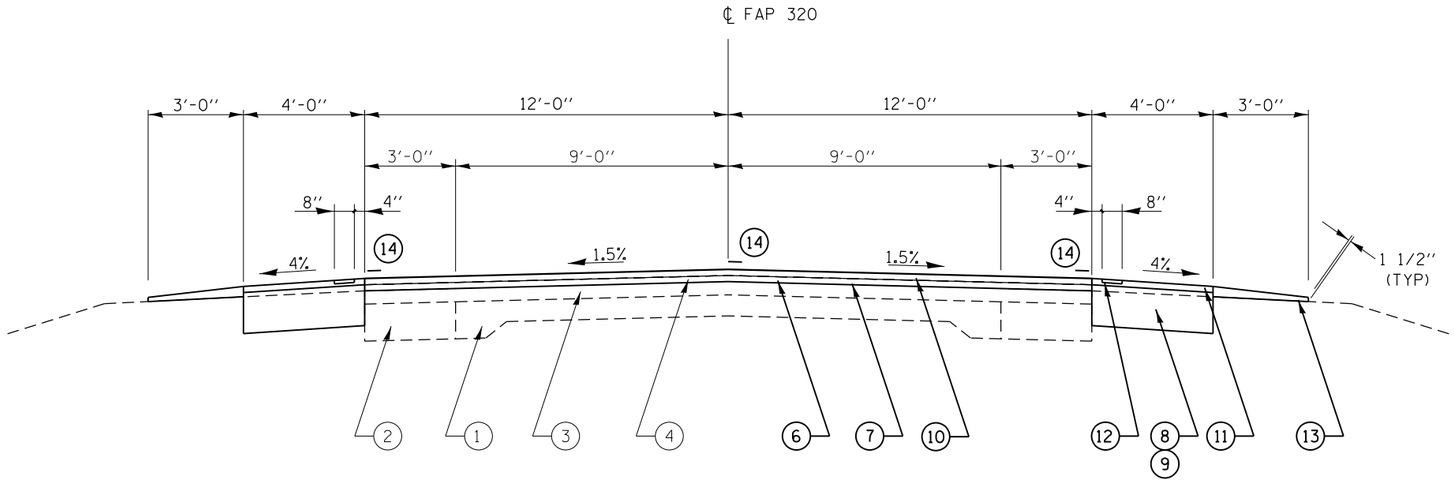
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
FAP 320 (IL 121)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	7
		CONTRACT NO. 72H14		
		ILLINOIS FED. AID PROJECT		

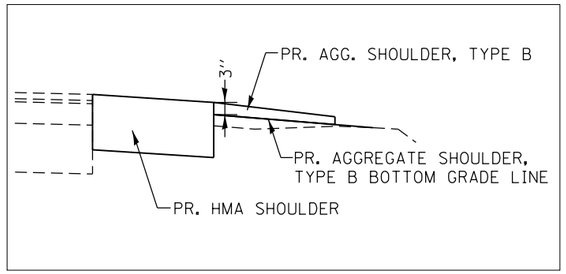


TYPICAL SECTION #2

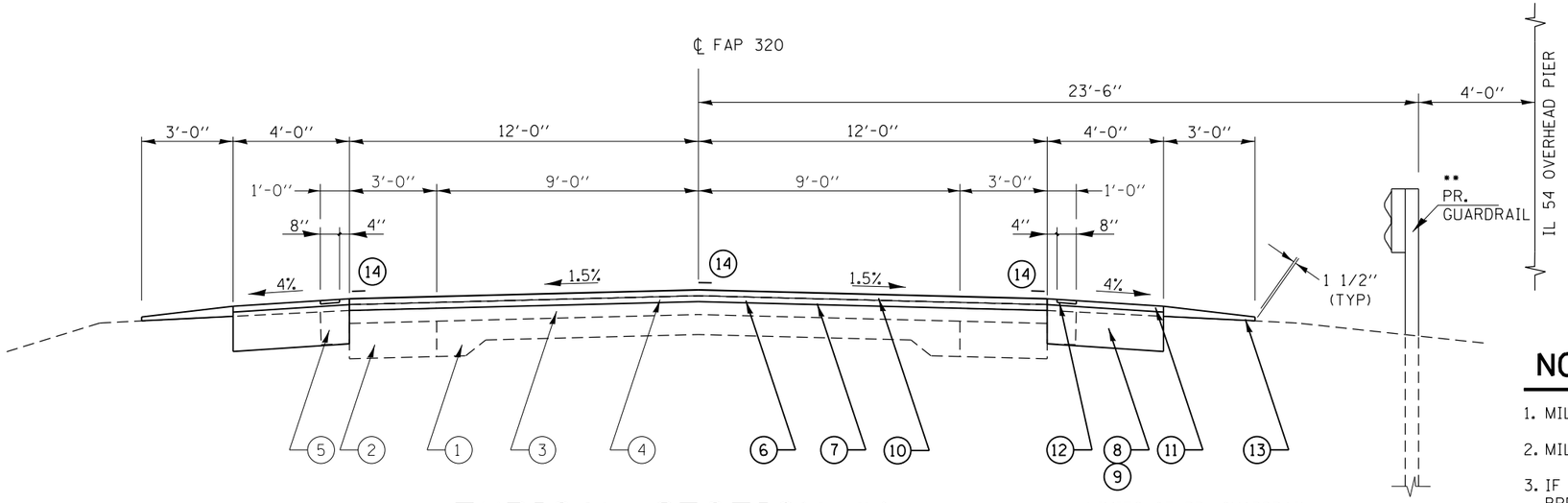
STA. 52+00.00 TO STA. 189+97.75
STA. 197+77.46 TO STA. 202+57.60
STA. 211+16.20 TO STA. 211+93.82
STA. 220+10.04 LT. TO STA. 245+45.51 LT.
STA. 220+10.04 RT. TO STA. 244+94.59 RT.
STA. 256+79.36 LT. TO STA. 311+32.00 LT.
STA. 257+31.15 RT. TO STA. 311+32.00 RT.

LEGEND

1. EX. PCC PAVEMENT 9"-6"-9"
2. EX. BASE COURSE WIDENING (9")
3. EX. HMA OVERLAY, (3")
4. EX. HMA OVERLAY, (1 1/2")
5. EX. HMA SHOULDER, (8")
6. PR. HMA SURFACE REMOVAL (3/4" & VARIABLE DEPTH)
7. PR. LEVEL BINDER (MM), N70 (3/4")
8. PR. EXCAVATE & GRADE EXISTING SHOULDER
9. PR. HMA SHOULDERS (6 1/2")
10. PR. HMA SURFACE COURSE, MIX "C", N70 (1 1/2")
11. PR. HMA SHOULDERS (1 1/2")
12. PR. RUMBLE STRIPS
13. PR. AGGREGATE SHOULDER, TYPE B
14. PR. PAINT PAVEMENT MARKING - LINE, 5"



SHOULDER DETAIL



TYPICAL SECTION #1

STA. 45+20.53 TO STA. 52+00.00

**LIMITS OF PR. GUARDRAIL
STA. 46+32.50 RT. TO STA. 48+07.50 RT.
OFFSET FROM IL 54 OVERHEAD PIER

NOTES:

1. MILL 3/4" MIN. AT ℄ AND MAINTAIN 1.5% SLOPE ON TANGENT SECTIONS
2. MILL 3/4" AS REQUIRED TO MAINTAIN SUPERELEVATED SECTION
3. IF SUPERELEVATIONS EXIST THE SHOULDER SLOPES ON THE HIGH SIDE MAXIMUM BREAK - OVER SHOULD BE NO GREATER THAN 8% AND ON THE LOW SIDE SAME AS SUPERELEVATION IF OVER 4%
4. FOR LIMITS OF SUPERELEVATION, SEE SUPERELEVATION TRANSITION DETAIL FOR TWO LANE HIGHWAY

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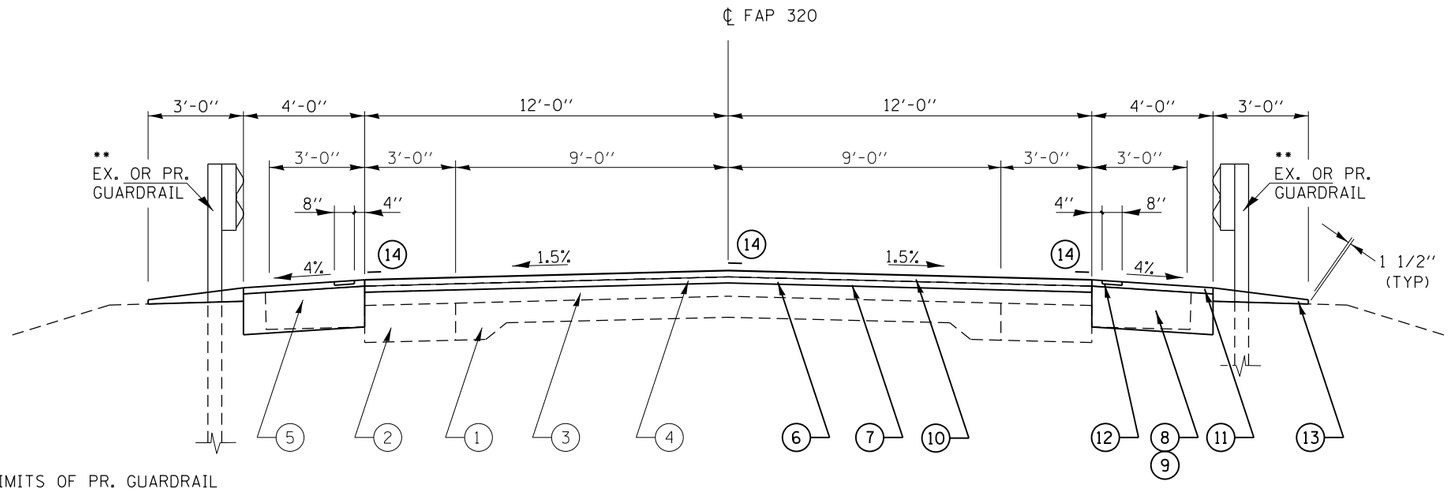
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
FAP 320 (IL 121)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	8
		CONTRACT NO. 72H14		
	ILLINOIS FED. AID PROJECT			



**LIMITS OF PR. GUARDRAIL
STA. 248+77.03 LT. TO STA. 250+48.85 LT.
STA. 251+74.93 LT. TO STA. 254+46.42 LT.

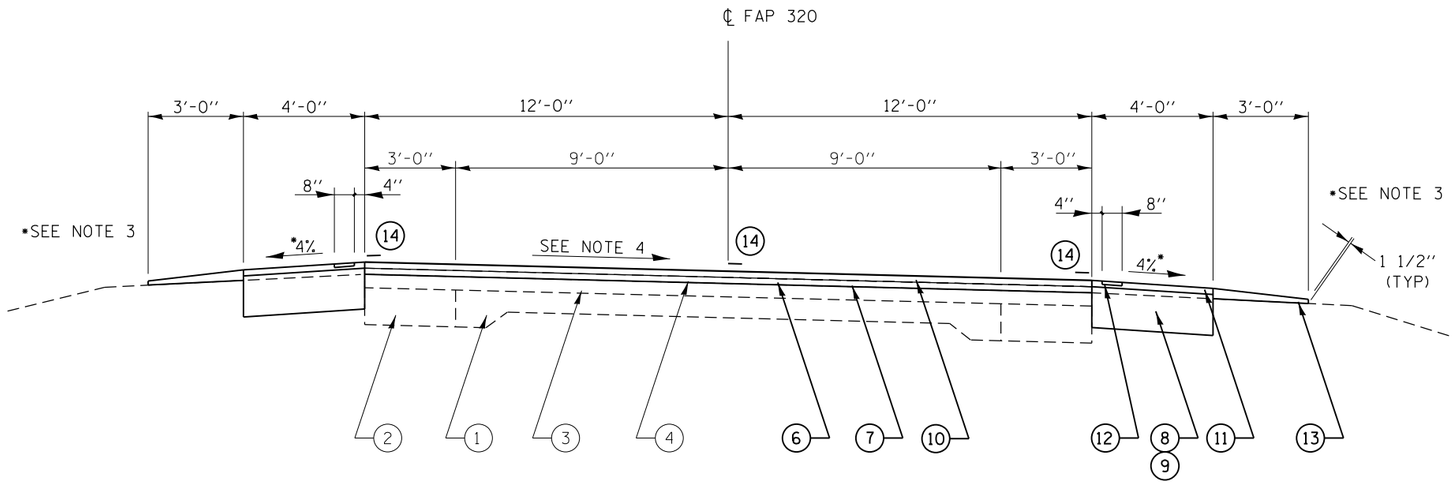
TYPICAL SECTION #4

STA. 245+45.51 LT. TO 250+47.13 LT.
STA. 244+94.59 RT. TO STA. 250+47.13 RT
BRIDGE OMISSION STA. 250+47.13 TO 251+77.00
STA. 251+77.00 LT. TO 256+79.36 LT.
STA. 251+77.00 RT. TO STA. 257+31.15 RT.

**LIMITS OF PR. GUARDRAIL
STA. 247+78.13 RT. TO STA. 250+49.72 RT.
STA. 251+74.44 RT. TO STA. 253+46.16 RT.

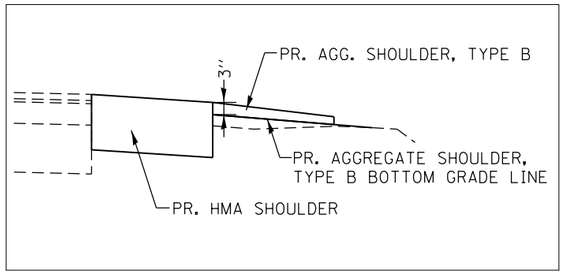
LEGEND

1. EX. PCC PAVEMENT 9''-6''-9''
2. EX. BASE COURSE WIDENING (9'')
3. EX. HMA OVERLAY, (3'')
4. EX. HMA OVERLAY, (1 1/2'')
5. EX. HMA SHOULDER, (8'')
6. PR. HMA SURFACE REMOVAL (3/4'' & VARIABLE DEPTH)
7. PR. LEVEL BINDER (MM), N70 (3/4'')
8. PR. EXCAVATE & GRADE EXISTING SHOULDER
9. PR. HMA SHOULDERS (6 1/2'')
10. PR. HMA SURFACE COURSE, MIX ''C'', N70 (1 1/2'')
11. PR. HMA SHOULDERS (1 1/2'')
12. PR. RUMBLE STRIPS
13. PR. AGGREGATE SHOULDER, TYPE B
14. PR. PAINT PAVEMENT MARKING - LINE, 5''



TYPICAL SECTION #3

STA. 189+97.75 TO STA. 197+77.46
STA. 202+57.60 TO STA. 211+16.20
STA. 211+93.82 TO STA. 218+98.60
STATION EQUATION STA. 218+98.60 BK. = STA. 219+04.02 AH.
STA. 219+04.02 TO STA. 220+10.04



SHOULDER DETAIL

NOTES:

1. MILL 3/4'' MIN. AT ℄ AND MAINTAIN 1.5% SLOPE ON TANGENT SECTIONS
2. MILL 3/4'' AS REQUIRED TO MAINTAIN SUPERELEVATED SECTION
3. IF SUPERELEVATIONS EXIST THE SHOULDER SLOPES ON THE HIGH SIDE MAXIMUM BREAK - OVER SHOULD BE NO GREATER THAN 8% AND ON THE LOW SIDE SAME AS SUPERELEVATION IF OVER 4%
4. FOR LIMITS OF SUPERELEVATION, SEE SUPERELEVATION TRANSITION DETAIL FOR TWO LANE HIGHWAY

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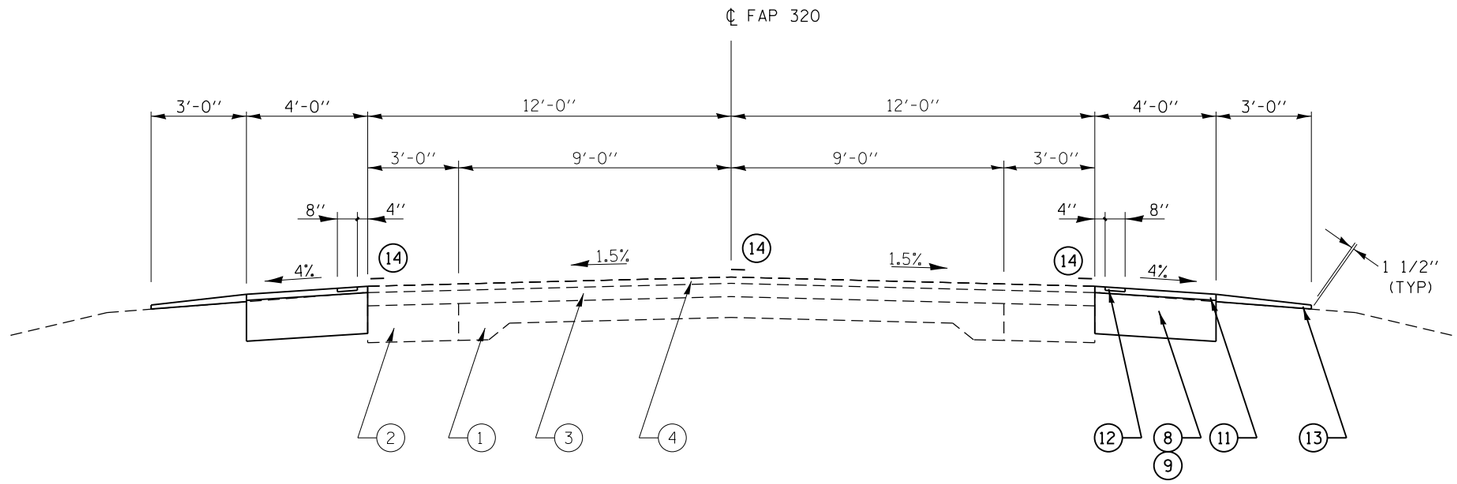
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
FAP 320 (IL 121)**

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	9
		CONTRACT NO. 72H14		
	ILLINOIS FED. AID PROJECT			

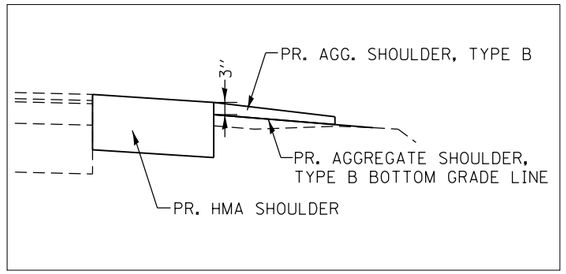


TYPICAL SECTION #5

STA. 311+32.00 LT. TO STA. 322+65.67 LT.
STA. 311+32.00 RT. TO STA. 323+04.12 RT.

LEGEND

1. EX. PCC PAVEMENT 9''-6''-9''
2. EX. BASE COURSE WIDENING (9'')
3. EX. HMA OVERLAY, (3'')
4. EX. HMA OVERLAY, (1 1/2'')
5. EX. HMA SHOULDER, (8'')
6. PR. HMA SURFACE REMOVAL (3/4'' & VARIABLE DEPTH)
7. PR. LEVEL BINDER (MM), N70 (3/4'')
8. PR. EXCAVATE & GRADE EXISTING SHOULDER
9. PR. HMA SHOULDERS (6 1/2'')
10. PR. HMA SURFACE COURSE, MIX ''C'', N70 (1 1/2'')
11. PR. HMA SHOULDERS (1 1/2'')
12. PR. RUMBLE STRIPS
13. PR. AGGREGATE SHOULDER, TYPE B
14. PR. PAINT PAVEMENT MARKING - LINE, 5''



SHOULDER DETAIL

NOTES:

1. MILL 3/4'' MIN. AT ℄ AND MAINTAIN 1.5% SLOPE ON TANGENT SECTIONS
2. MILL 3/4'' AS REQUIRED TO MAINTAIN SUPERELEVATED SECTION
3. IF SUPERELEVATIONS EXIST THE SHOULDER SLOPES ON THE HIGH SIDE MAXIMUM BREAK - OVER SHOULD BE NO GREATER THAN 8% AND ON THE LOW SIDE SAME AS SUPERELEVATION IF OVER 4%
4. FOR LIMITS OF SUPERELEVATION, SEE SUPERELEVATION TRANSITION DETAIL FOR TWO LANE HIGHWAY

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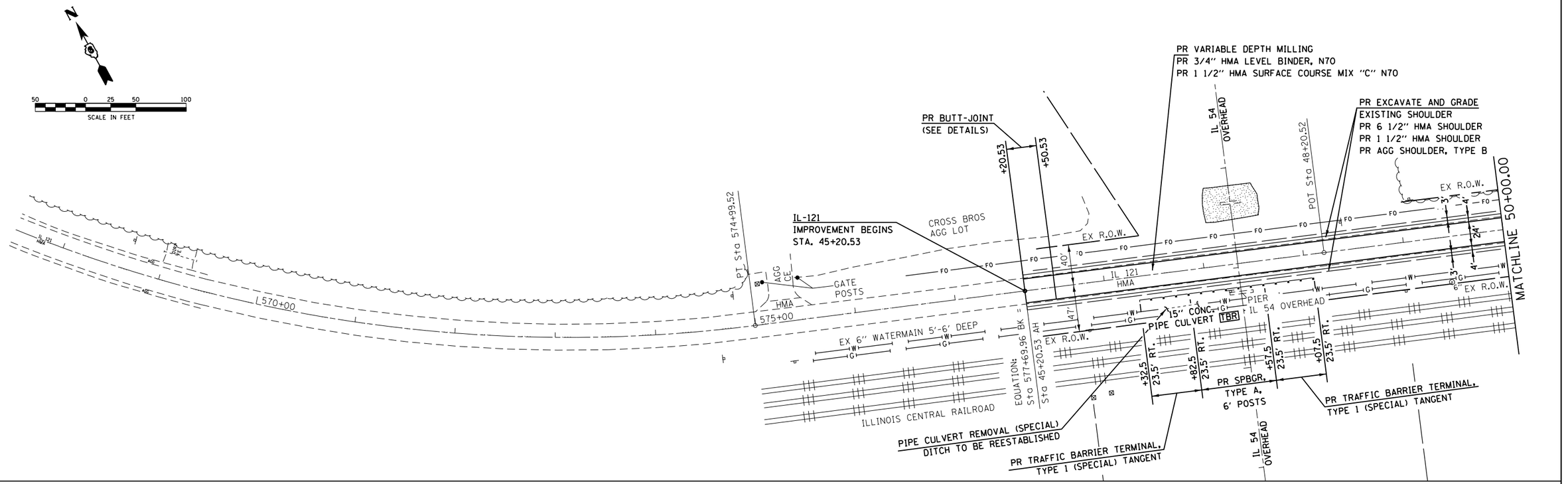
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
FAP 320 (IL 121)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	10
		CONTRACT NO. 72H14		
		ILLINOIS FED. AID PROJECT		



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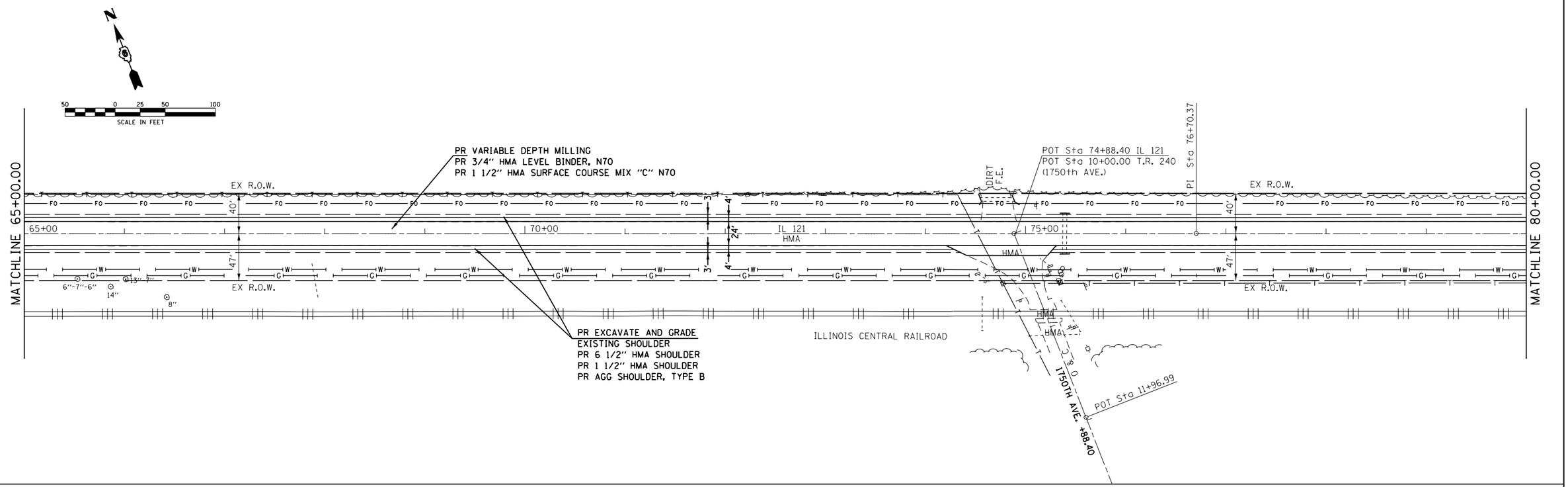
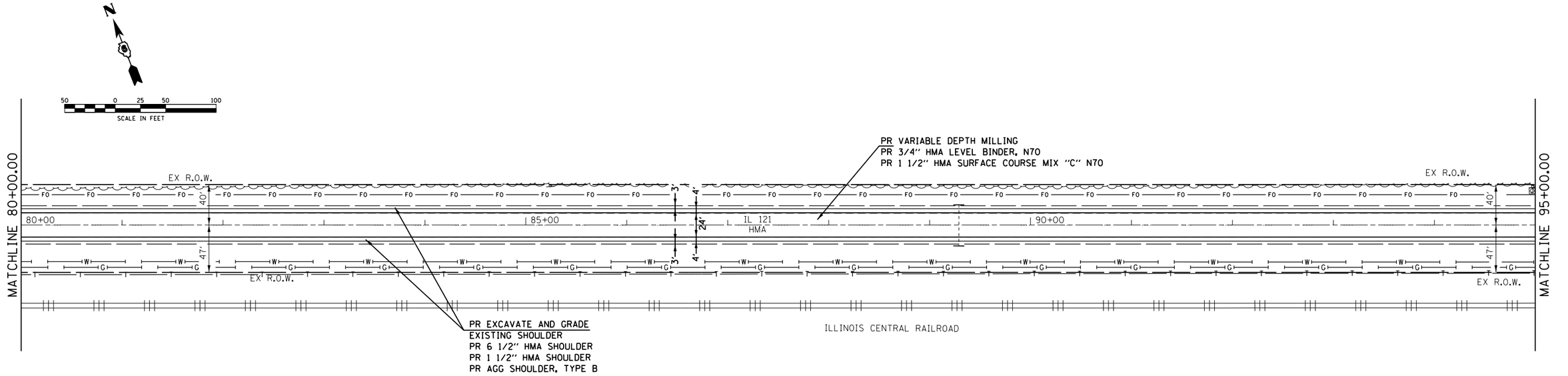
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
FAP 320 (IL 121)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	11
		CONTRACT NO. 72H14		
	ILLINOIS FED. AID PROJECT			





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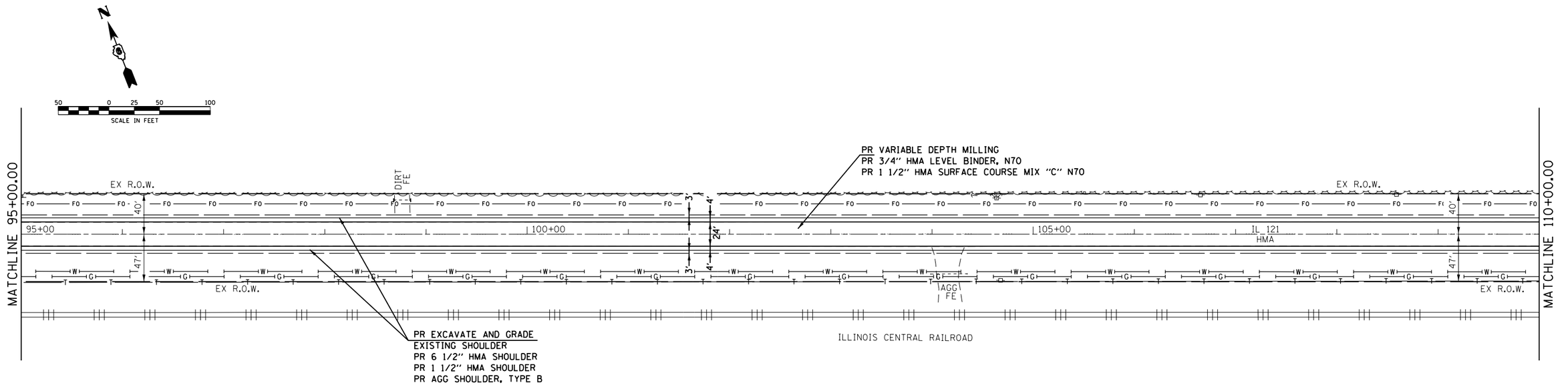
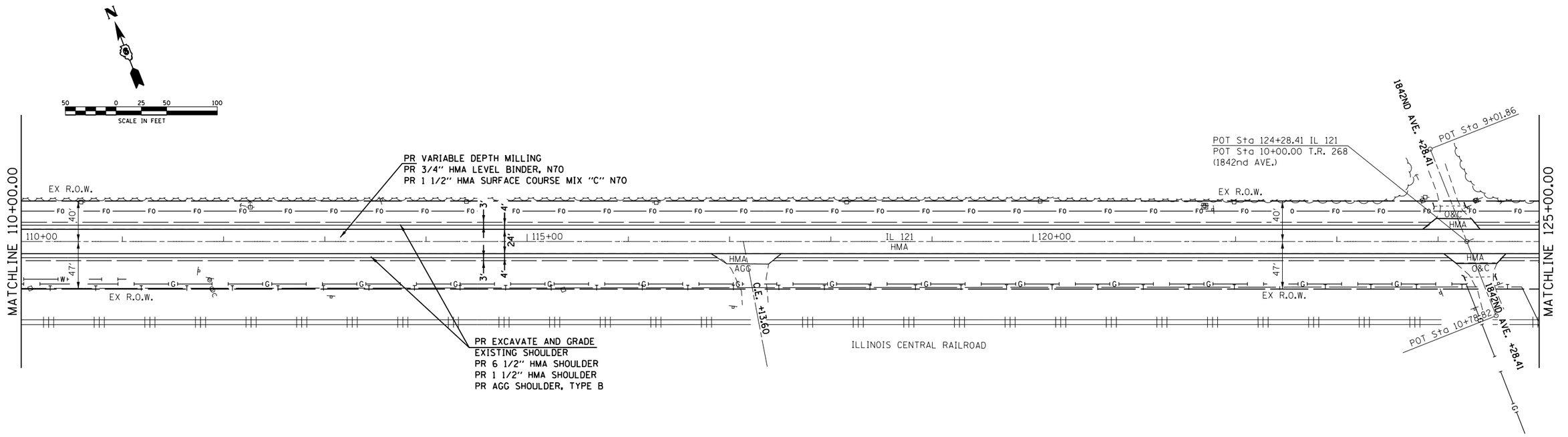
		DRAWN -	REVISED -			320	(134) RS-10, I-3, BJR	LOGAN	26	12
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 72H14		
Default	PLOT DATE = 10/15/2015	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		





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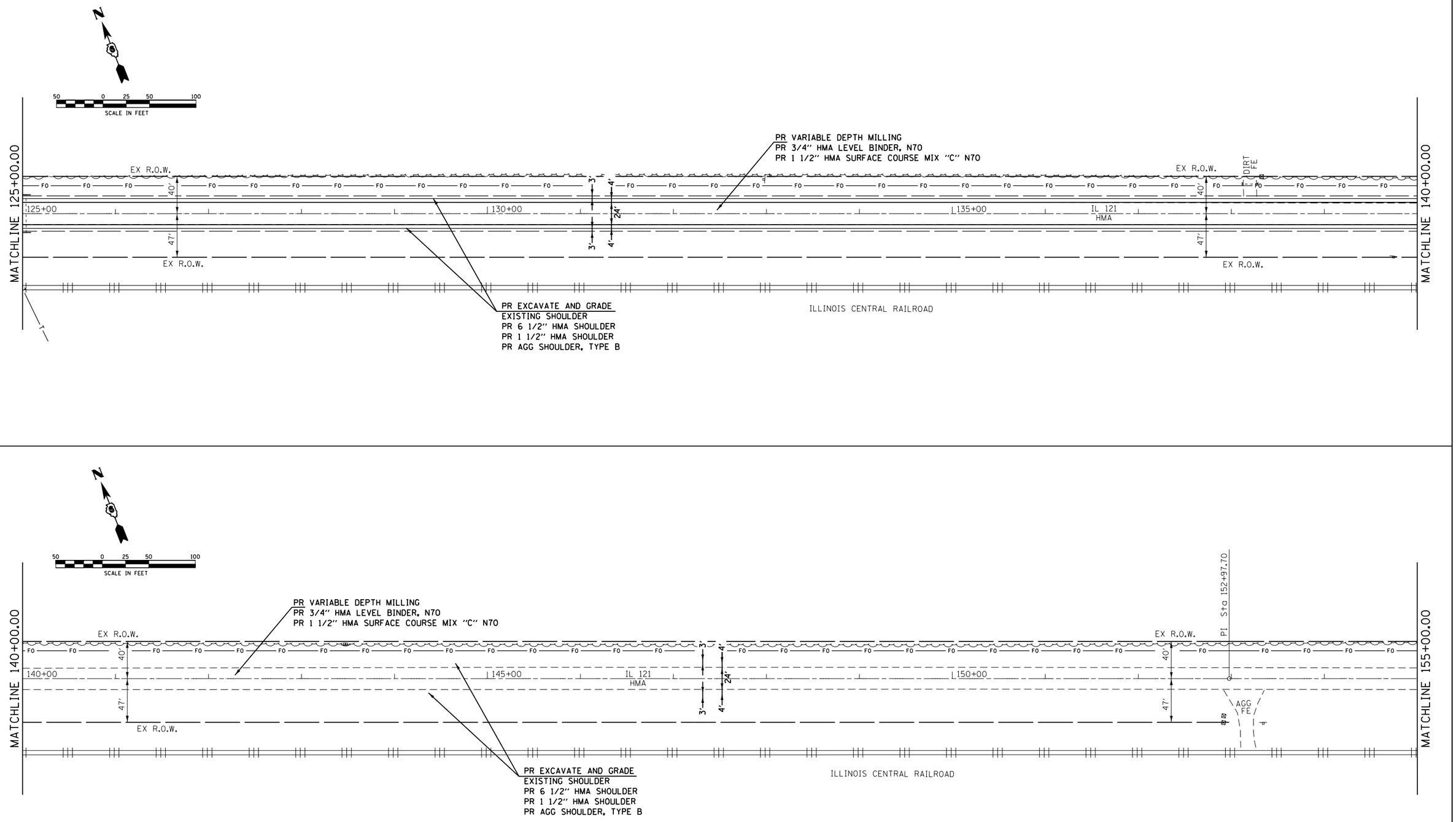
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					320	(134) RS-10, I-3, BJR	LOGAN	26	13
	PLOT DATE = 10/15/2015	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.			CONTRACT NO. 72H14		
									ILLINOIS	FED. AID PROJECT		



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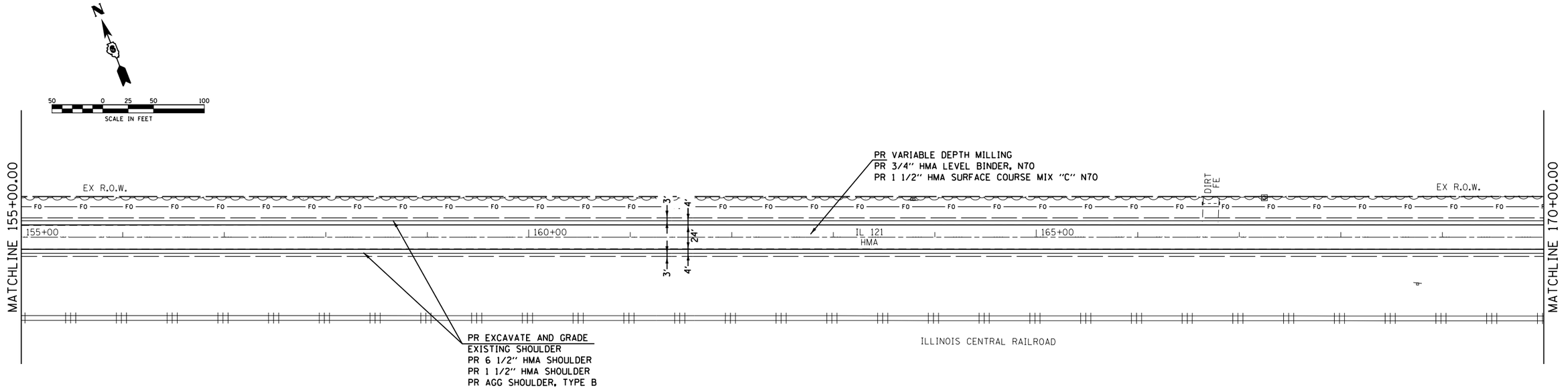
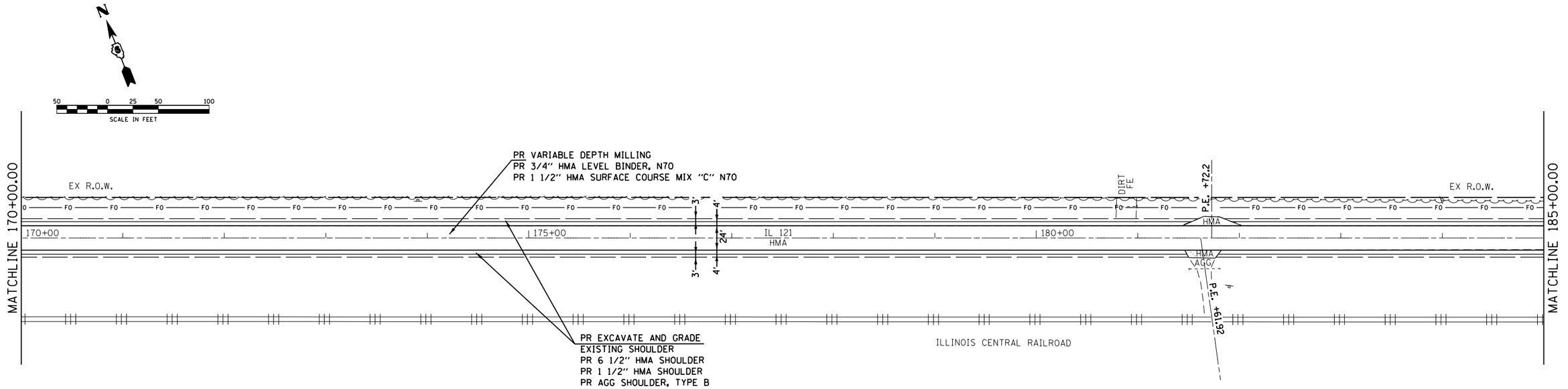
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					320	(134) RS-10, I-3, BJR	LOGAN	26	14
Default	PLOT DATE = 10/15/2015	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.			CONTRACT NO. 72H14		
									ILLINOIS	FED. AID PROJECT		





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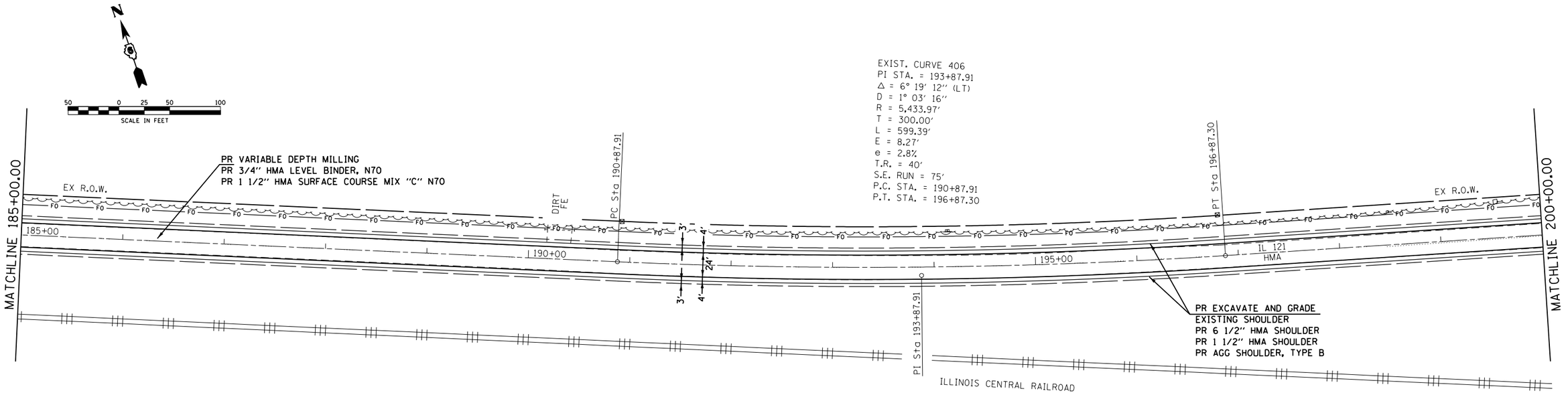
Default	PLOT DATE = 10/15/2015	DATE -	REVISED -

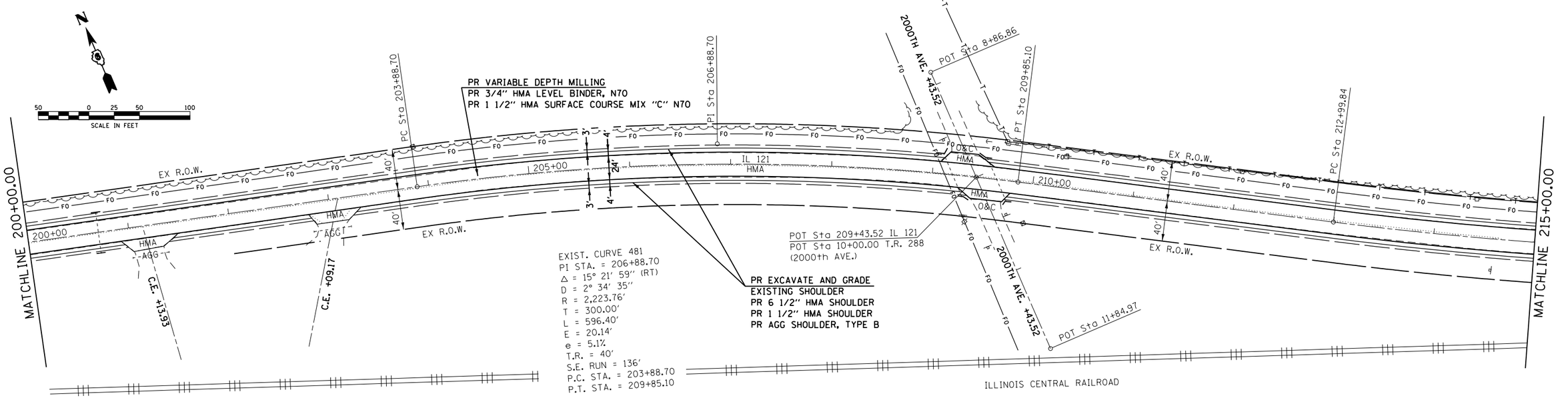
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
FAP 320 (IL 121)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	15
		CONTRACT NO. 72H14		
	ILLINOIS FED. AID PROJECT			





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	PLOT DATE = 10/15/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
FAP 320 (IL 121)

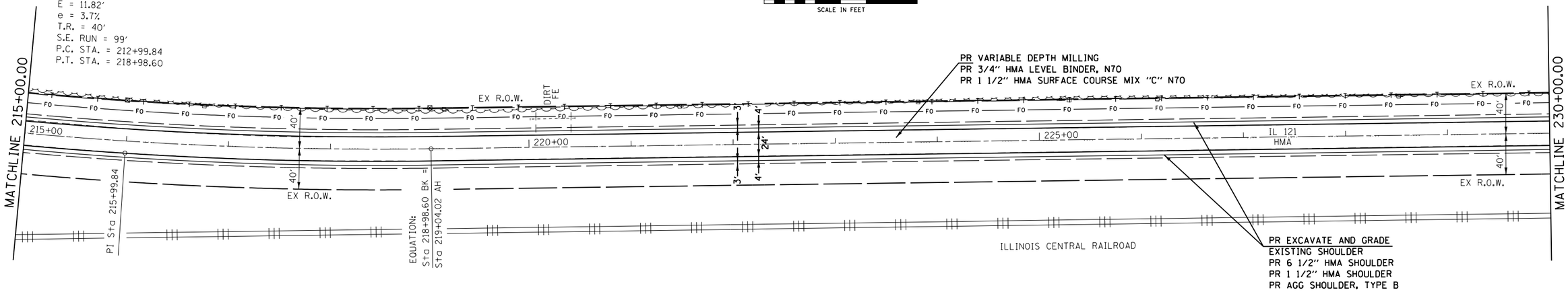
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	16
		CONTRACT NO. 72H14		
		ILLINOIS FED. AID PROJECT		

EXIST. CURVE 407
PI STA. = 215+99.84
Δ = 9° 01′ 33″ (LT)
D = 1° 30′ 27″
R = 3,800.88′
T = 300.00′
L = 598.76′
E = 11.82′
e = 3.7%
T.R. = 40′
S.E. RUN = 99′
P.C. STA. = 212+99.84
P.T. STA. = 218+98.60

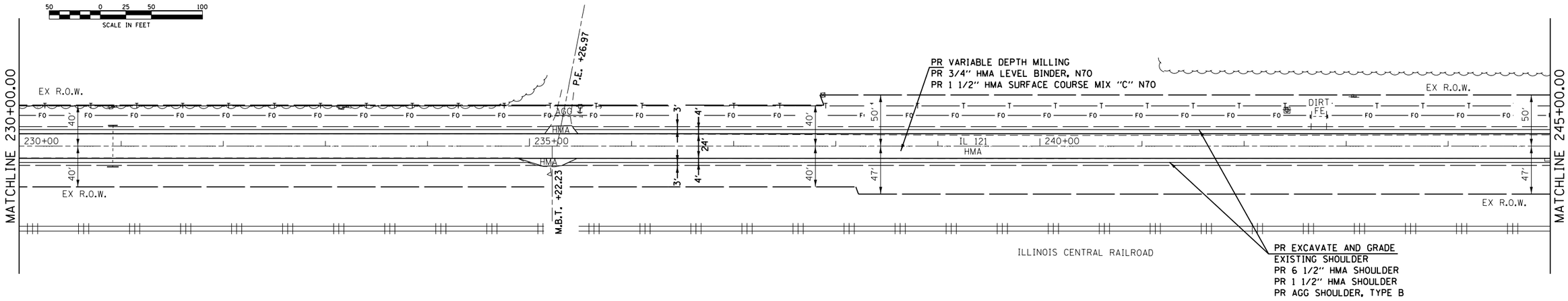
N

50 0 25 50 100
SCALE IN FEET



N

50 0 25 50 100
SCALE IN FEET



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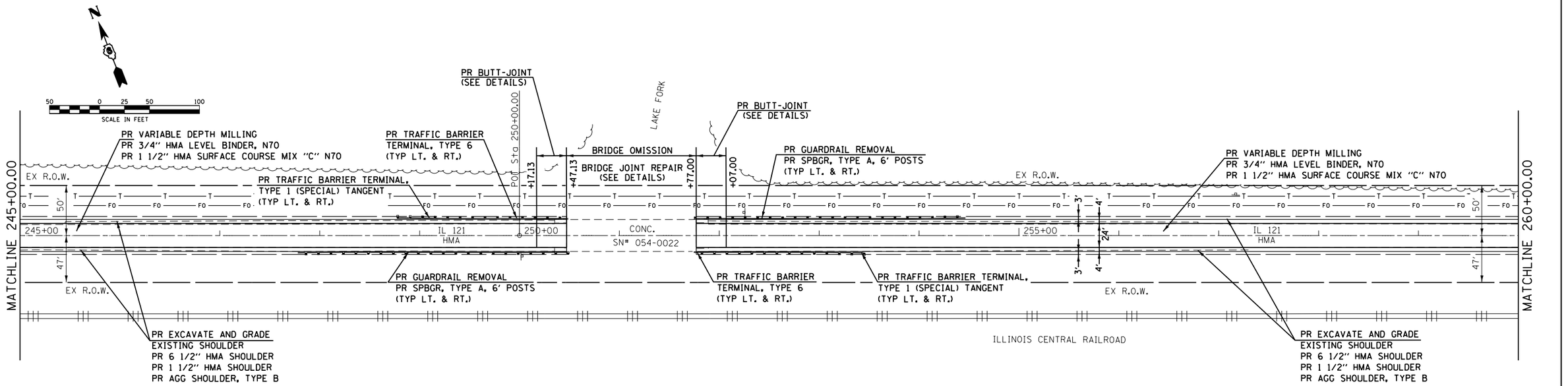
Default	PLOT DATE = 10/15/2015	DATE -	REVISED -

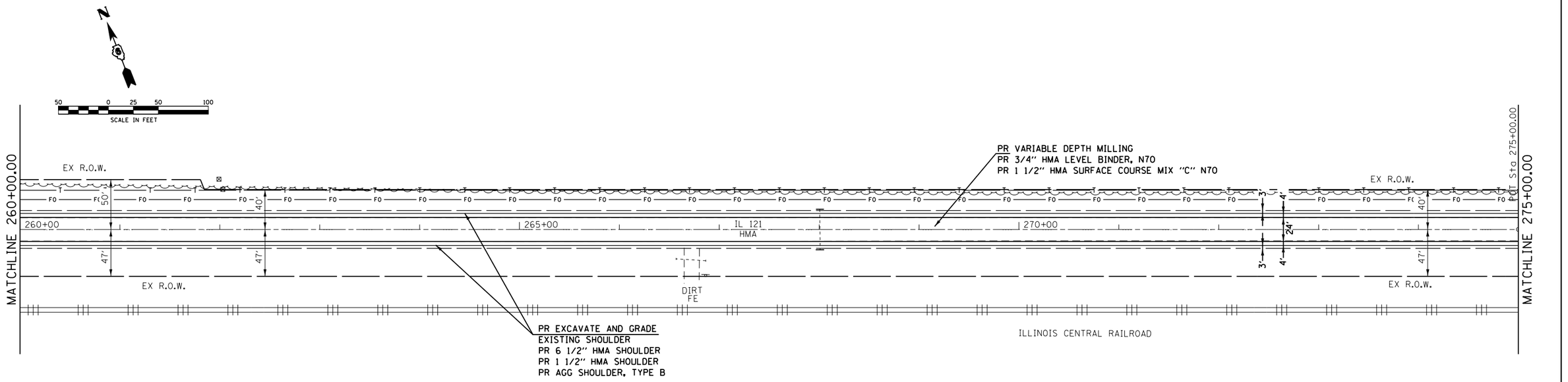
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
FAP 320 (IL 121)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	17
		CONTRACT NO. 72H14		
	ILLINOIS FED. AID PROJECT			





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		DRAWN -	REVISED -
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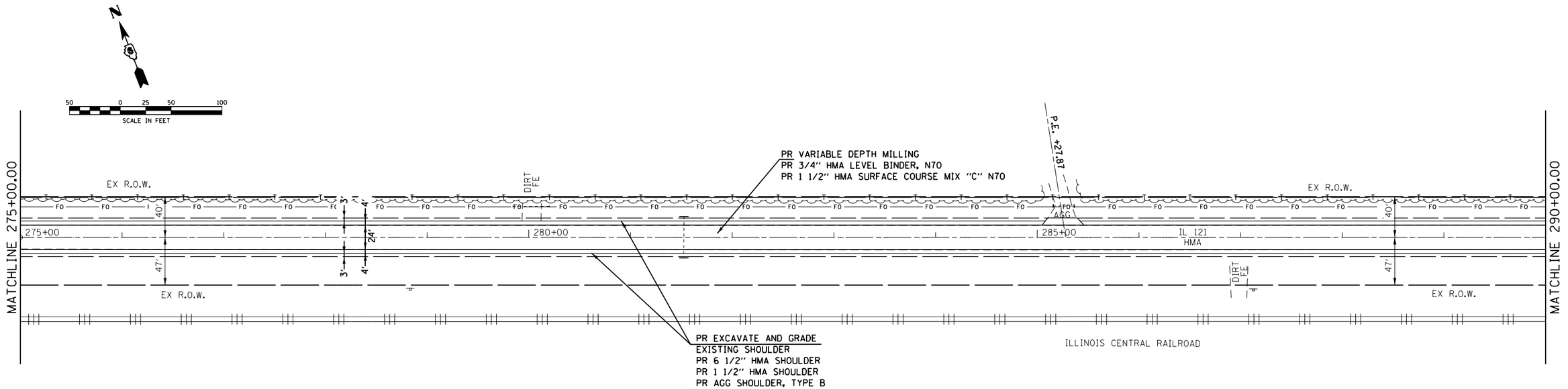
Default	PLOT DATE = 10/15/2015	DATE -	REVISED -

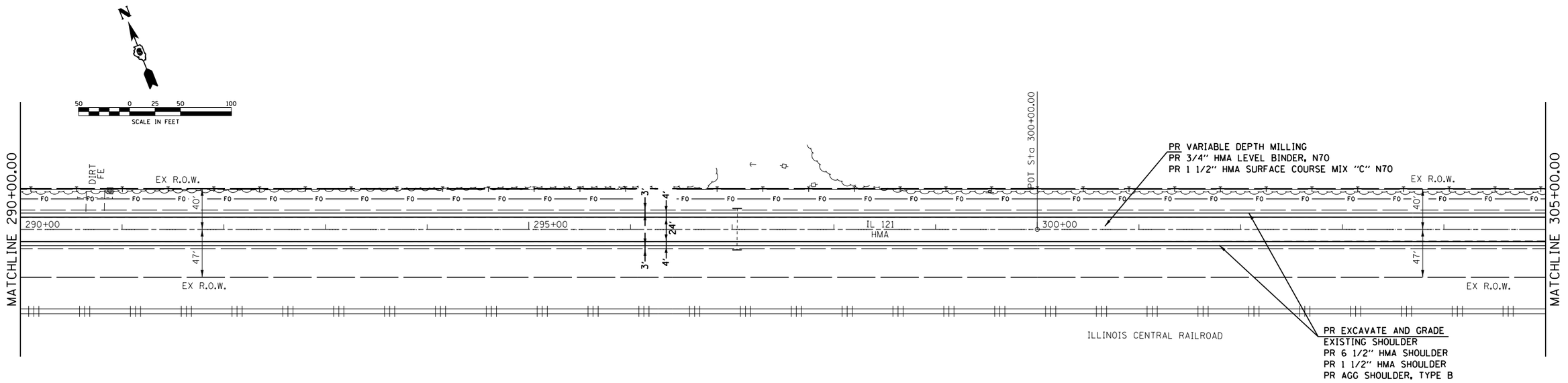
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
FAP 320 (IL 121)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	18
		CONTRACT NO. 72H14		
	ILLINOIS FED. AID PROJECT			





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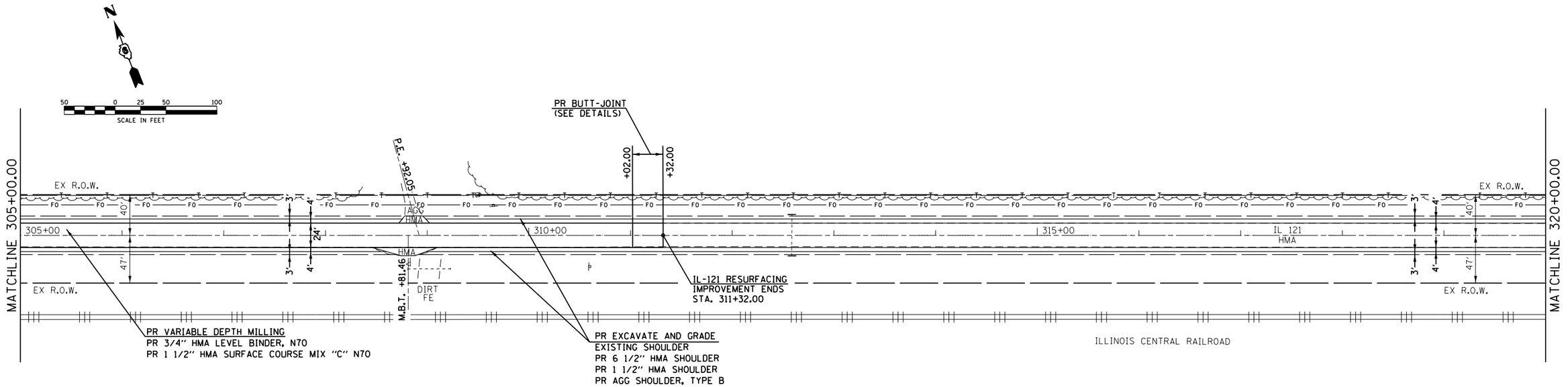
	PLOT DATE = 10/15/2015	DATE -	REVISED -

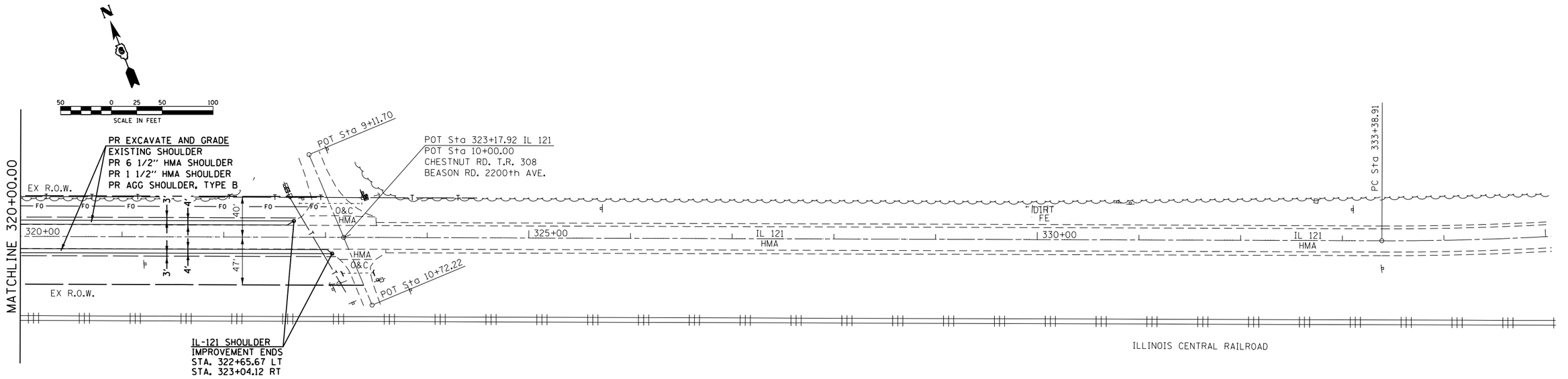
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
FAP 320 (IL 121)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	19
		CONTRACT NO. 72H14		
	ILLINOIS FED. AID PROJECT			





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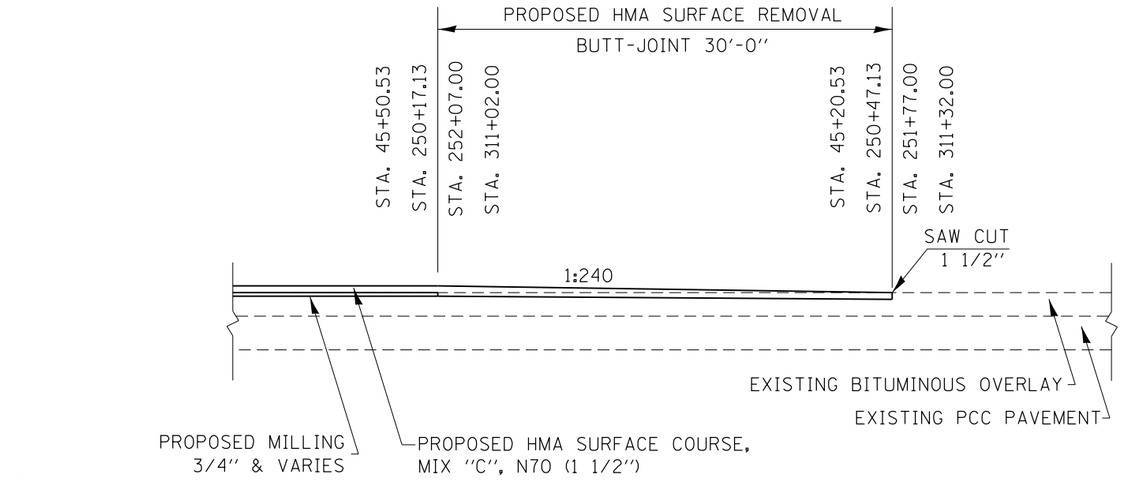
Default	PLOT DATE = 10/15/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
FAP 320 (IL 121)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	20
		CONTRACT NO. 72H14		
	ILLINOIS FED. AID PROJECT			



BUTT-JOINT DETAIL

STA. 45+20.53 TO STA. 45+50.53
STA. 250+17.13 TO STA. 250+47.13
STA. 251+77.00 TO STA. 252+07.00
STA. 311+02.00 TO STA. 311+32.00

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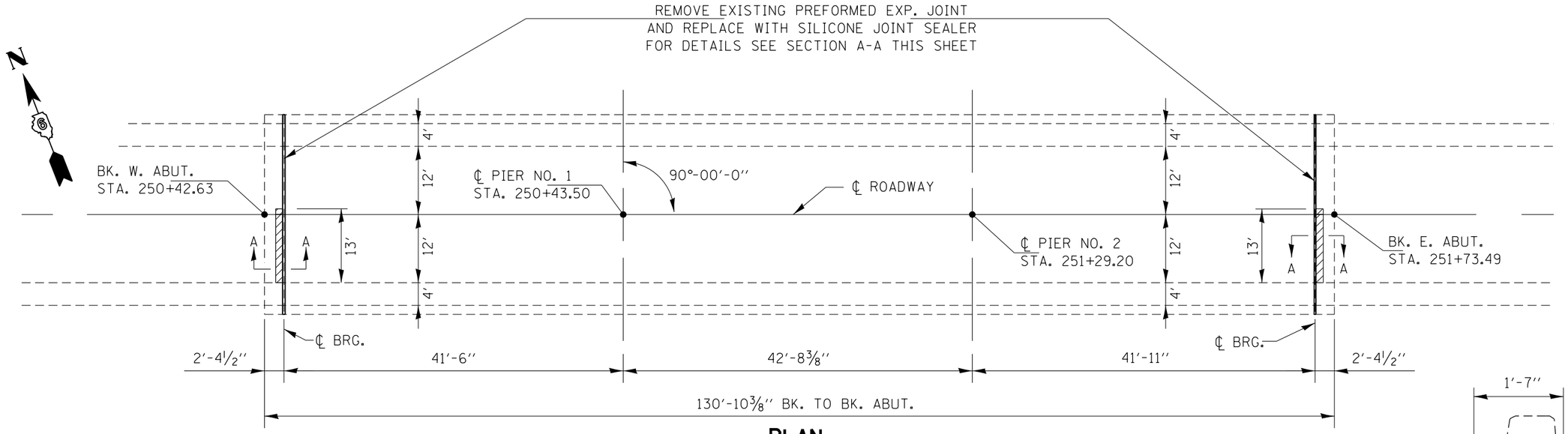
Default	PLOT DATE = 10/15/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT DETAIL
FAP 320 (IL 121)

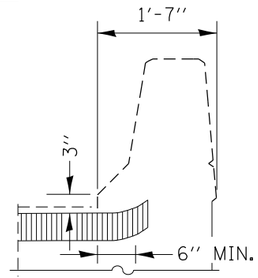
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	21
		CONTRACT NO. 72H14		
	ILLINOIS FED. AID PROJECT			



PLAN

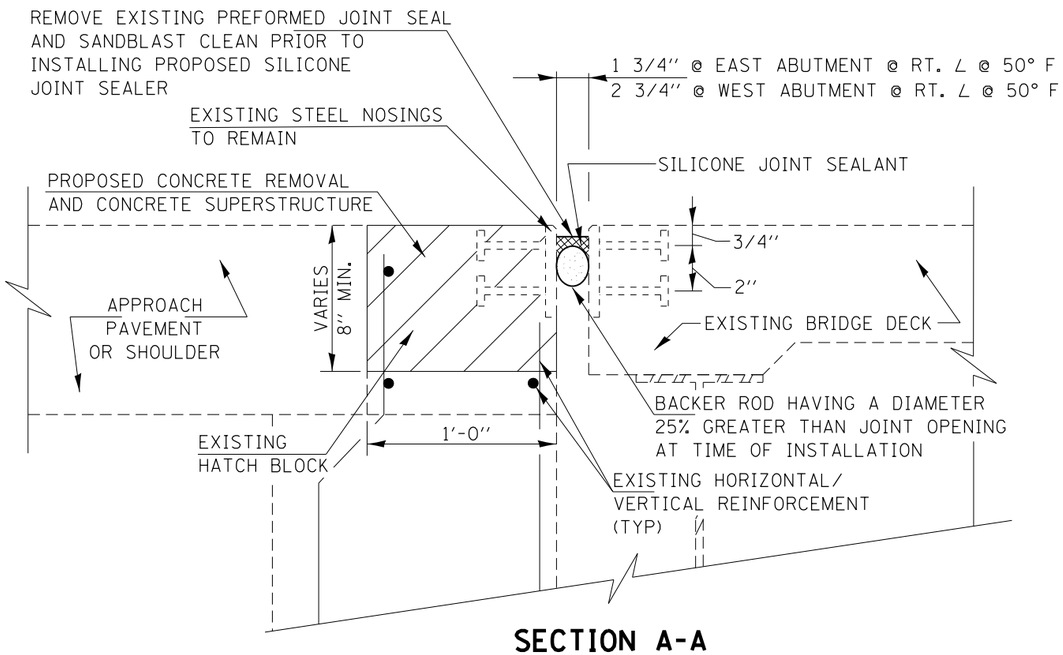
SN 054-0022



TYPICAL END OF SEAL TREATMENT

BILL OF MATERIAL

ITEM	UNIT	TOTAL
SILICONE JOINT SEALER, 1 3/4"	FOOT	35
SILICONE JOINT SEALER, 2 3/4"	FOOT	35
CONCRETE REMOVAL	CU. YD.	1
CONCRETE SUPERSTRUCTURE	CU. YD.	1



SECTION A-A

SILICONE JOINT DETAIL

NOTES

1. CONCRETE REMOVAL ON THE ABUTMENT HATCH BLOCK SHALL BE DEEP ENOUGH TO REMOVE ALL UNSOUND CONCRETE, BUT SHALL NOT BE LESS THAN 8".
2. HORIZONTAL REINFORCEMENT ENCOUNTERED IN THE HATCH BLOCK AREA SHALL BE REPLACED WITH #6 EPOXY COATED BARS. BARS SHALL BE LAPPED 24" WITH EXISTING HORIZONTAL REINFORCEMENT OR ATTACHED TO EXISTING REINFORCEMENT WITH MECHANICAL SPLICERS. THE ENGINEER MAY ELECT TO REUSE EXISTING HORIZONTAL REINFORCEMENT IF HATCH BLOCK REPLACEMENT AREAS ARE TOO SMALL TO ACCOMMODATE NEW REINFORCEMENT AND IF THE CONDITION OF THE EXISTING REINFORCEMENT IS SATISFACTORY. ALL COSTS ASSOCIATED WITH THIS NOTE SHALL BE INCLUDED IN THE BID PRICE FOR CONCRETE SUPERSTRUCTURE.
3. IF EXISTING VERTICAL REINFORCEMENT IS NOT PRESENT OR IF IT IS TOO SHORT TO PROPERLY ORIENT THE HORIZONTAL BARS, THE CONTRACTOR SHALL DRILL AND EPOXY GROUT #6 EPOXY COATED VERTICAL REINFORCEMENT IN 9" MIN. HOLES ACCORDING TO ARTICLE 584 OF THE STANDARD SPECIFICATION AND AT 24" CTS PARALLEL TO THE JOINT. THE NECESSARY EMBEDMENT LENGTH INTO EXISTING CONCRETE SHALL BE DETERMINED BY THE APPROVED EPOXY MANUFACTURERS RECOMMENDATIONS. WORK AND MATERIAL DESCRIBED IN THIS NOTE SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04.
4. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE THE EXISTING STUDS ATTACHED TO THE STEEL PLATES. ANY STUDS THAT ARE DAMAGED SHALL BE REPLACED WITH NEW 8" STUDS CONFORMING TO ARTICLE 1006.32 OR ALTERNATE ANCHORING DEVICE APPROVED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR REPAIRING ANCHORING STUDS DAMAGED BY THE CONTRACTORS ACTIVITIES.

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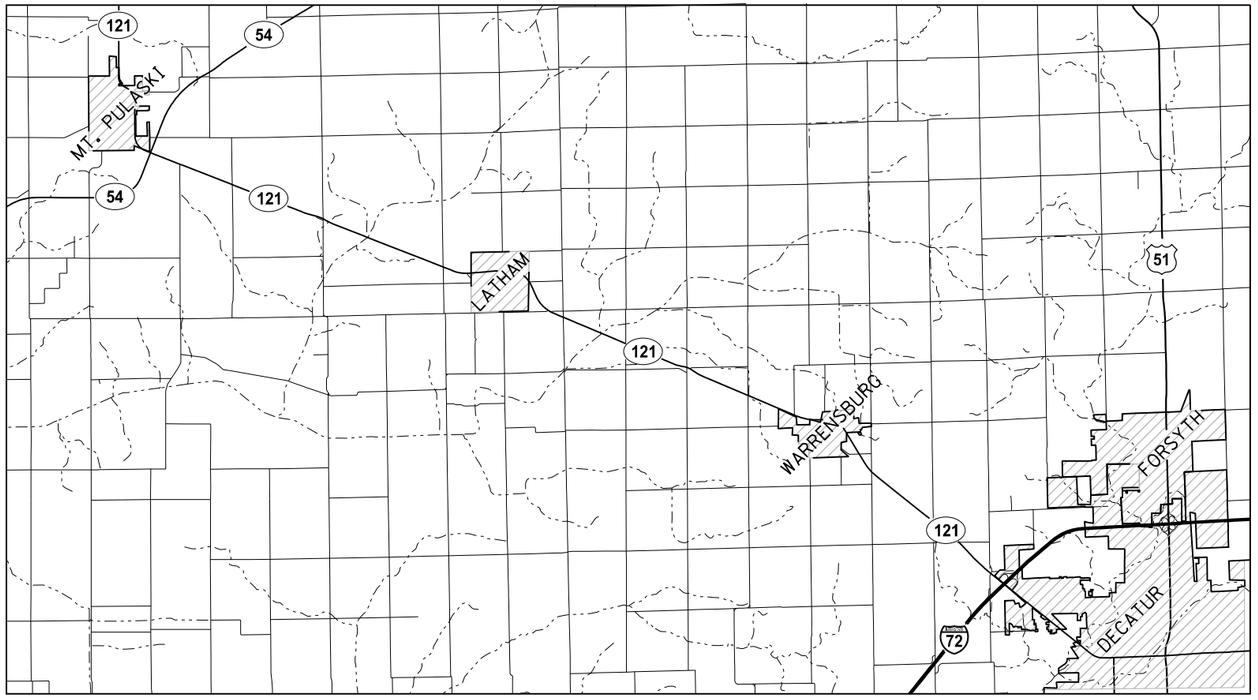
Default	PLOT DATE = 10/15/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT REPAIR DETAILS

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	22
		CONTRACT NO. 72H14		
	ILLINOIS	FED. AID PROJECT		



N

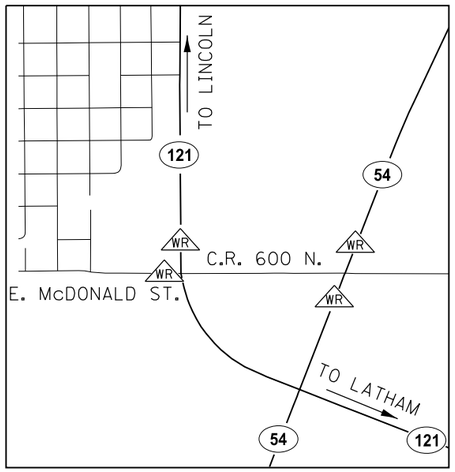
NOTES

1. SEE SPECIAL PROVISIONS FOR TRAFFIC CONTROL PLAN.
2. LOCATION OF WIDTH RESTRICTION SIGNING IS SUBJECT TO THE APPROVAL OF THE ENGINEER.

WR = LOCATION OF WIDTH RESTRICTION SIGNING

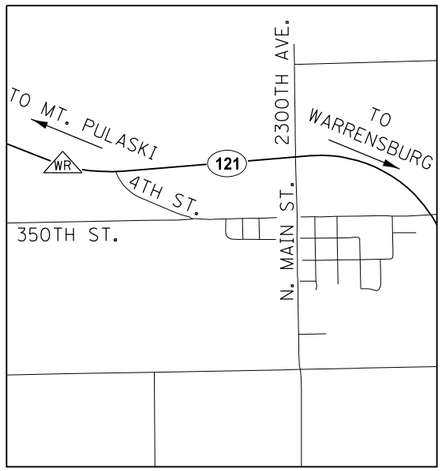
VICINITY MAP

NTS



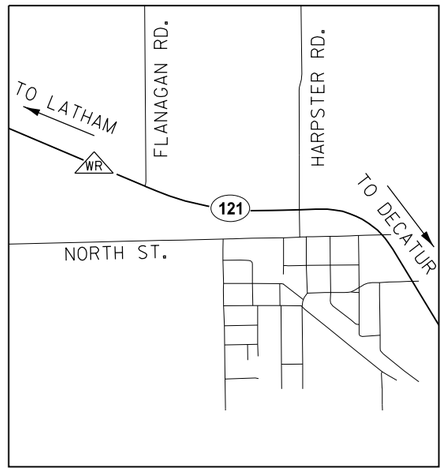
MT. PULASKI INSET

NTS



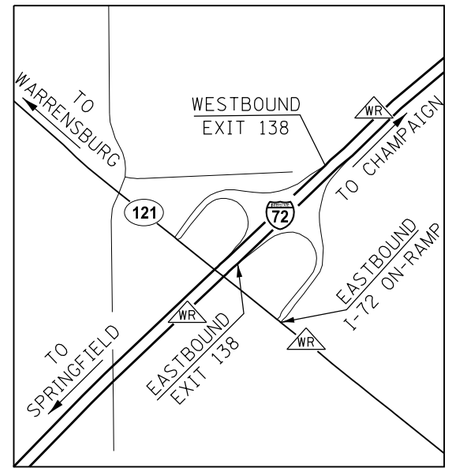
LATHAM INSET

NTS



WARRENSBURG INSET

NTS



DECATUR INSET

NTS

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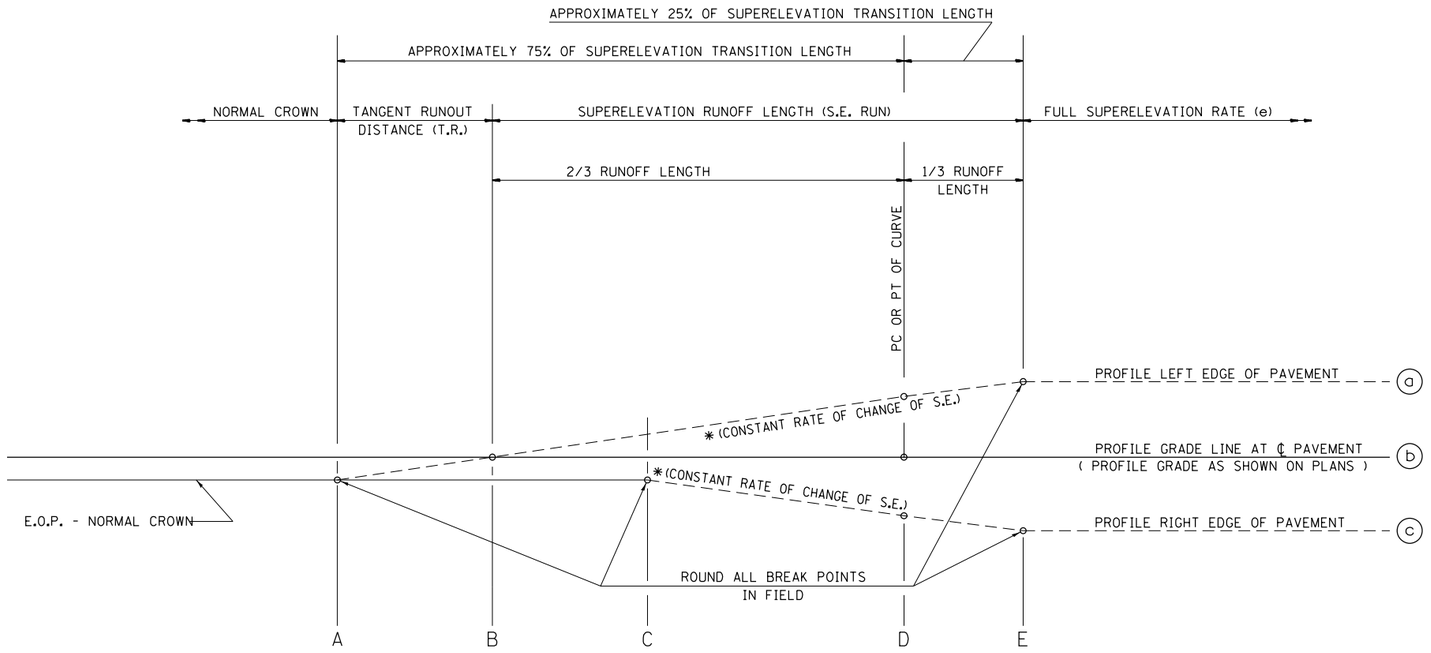
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/15/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

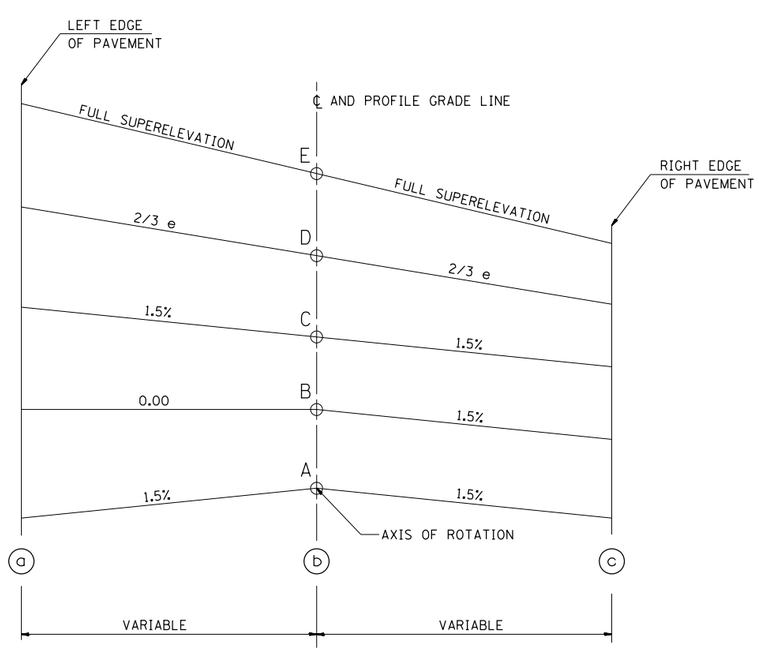
WIDTH RESTRICTION SIGNING
FAP 320 (IL 121)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	23
		CONTRACT NO. 72H14		
	ILLINOIS FED. AID PROJECT			



TYPICAL PROFILE - S.E. TRANSITION



TYPICAL CROSS SECTION - S.E. TRANSITION

SEE PLANS FOR CURVE DATA INFORMATION

CURVE DATA
P.I. STA=
Δ=
R=
T=
L=
E=
e= SUPERELEVATION RATE IN PERCENT
T.R.= TANGENT RUNOUT DISTANCE
S.E. RUN= SUPERELEVATION RUNOFF LENGTH
P.C. STA=
P.T. STA=

TABLE OF SUPERELEVATION BREAK POINT LOCATIONS

CURVE NO.	e	A	B	C	D	E	TRANSITION
406	2.8%	189+97.75	190+37.71	190+77.67	190+87.91	191+13.01	TRANS. IN
		197+77.46	197+37.50	196+97.54	196+87.30	196+62.20	TRANS. OUT
481	5.1%	202+57.60	202+97.56	203+37.52	203+88.70	204+34.27	TRANS. IN
		211+16.20	210+76.24	210+36.28	209+85.10	209+39.53	TRANS. OUT
407	3.7%	211+93.82	212+33.78	212+73.74	212+99.84	213+32.87	TRANS. IN
		220+10.04	219+70.08	219+30.12	218+98.60	218+65.57	TRANS. OUT

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		DRAWN -	REVISED -
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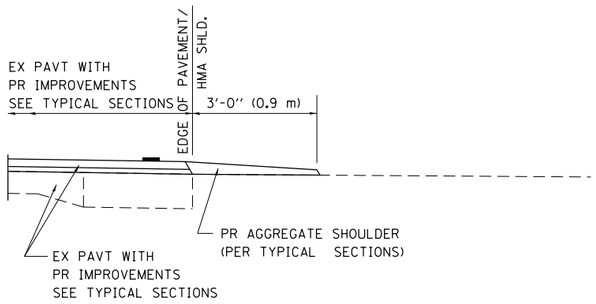
	PLOT DATE = 10/15/2015	DATE - 12/08/97	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

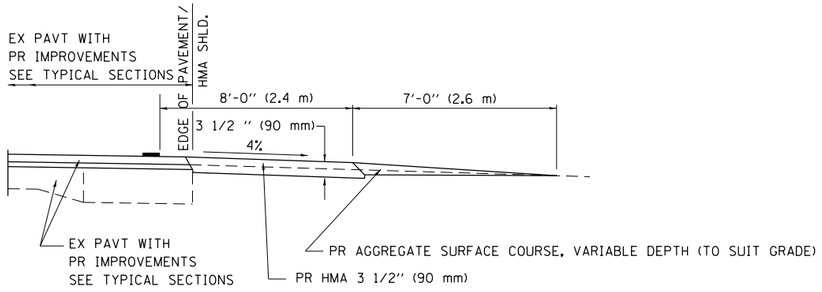
SUPERELEVATION TRANSITION DETAIL FOR TWO LANE HIGHWAY

SCALE: | SHEET OF SHEETS | STA. | TO STA.

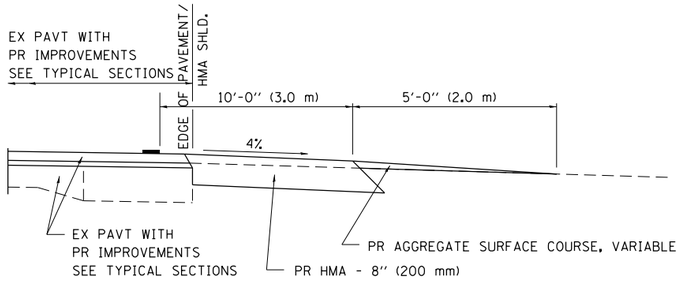
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	24
		CONTRACT NO. 72H14		
	ILLINOIS FED. AID PROJECT			



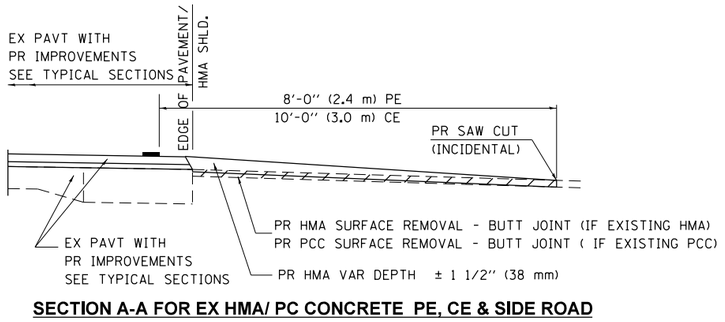
SECTION A-A FOR EX EARTH/ AGGREGATE FE



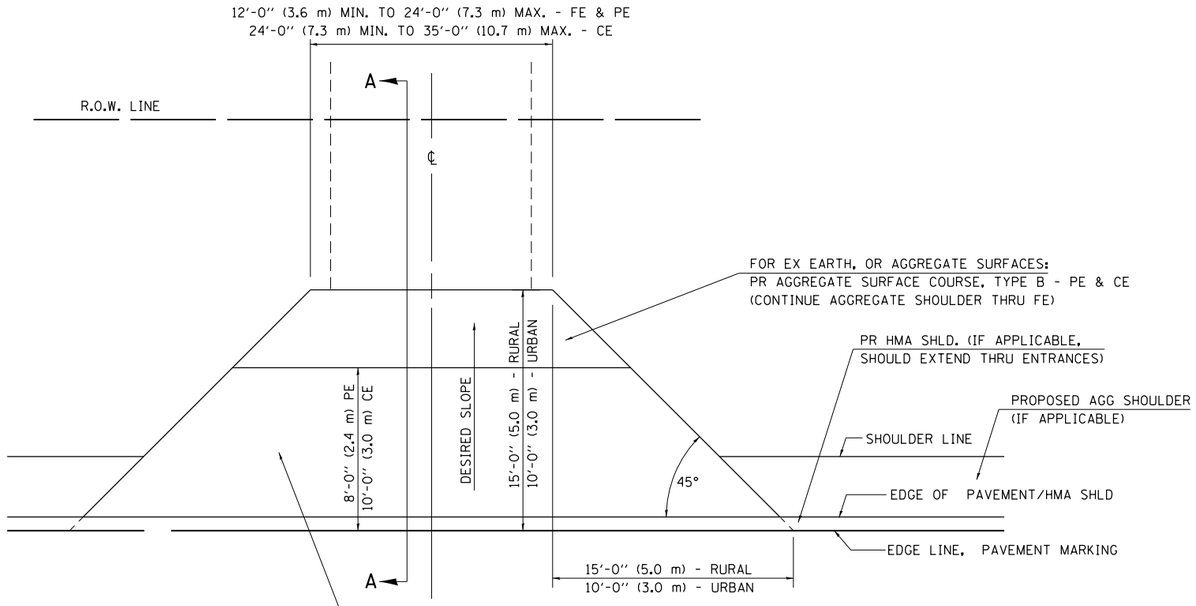
SECTION A-A FOR EX EARTH/AGGREGATE PE



SECTION A-A FOR EX EARTH/AGGREGATE CE & SIDE ROAD



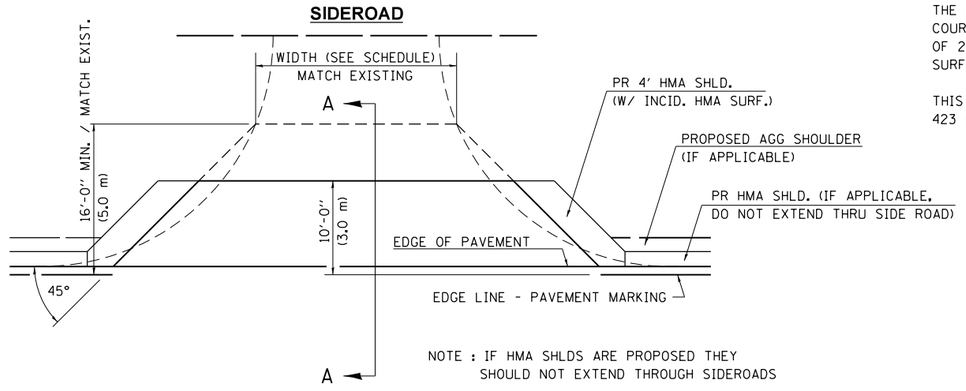
SECTION A-A FOR EX HMA/ PC CONCRETE PE, CE & SIDE ROAD



FOR EX EARTH OR AGGREGATE SURFACES:
PR HMA SURFACE REMOVAL (IF APPLICABLE)
PR AGGREGATE SHOULDER THRU - FE
PR HMA CONCRETE 3 1/2 '' (90 mm) - PE
PR HMA CONCRETE 8'' (200 mm) - CE

FOR EX HMA CONCRETE SURFACES:
PR HMA SURFACE REMOVAL-BUTT JOINT

FOR EX PCC SURFACES:
PR PCC SURFACE REMOVAL-BUTT JOINT



GENERAL NOTES:

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

HMA CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE HMA CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 3 INCHES (75 mm) AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF HMA BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 2 INCHES (50 mm) SHALL MEET THE REQUIREMENTS OF HMA CONCRETE SURFACE COURSE, SUPERPAVE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

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

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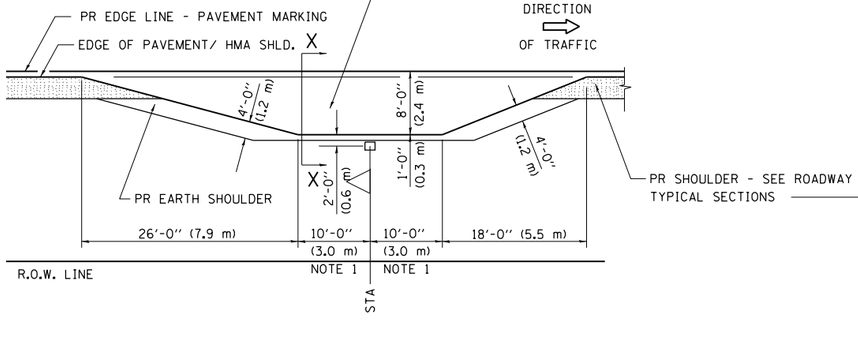
			REVISED - 4/01/04	JCN	
Default ENT PPP.DGN	PLOT SCALE = 40.0000 '/ in.	CHECKED - JCN	REVISED -		
	PLOT DATE = 10/15/2015	DATE - FEBRUARY 23, 1999	REVISED -		

DIST. 6 DETAILS FOR RURAL/URBAN ENT., MAILBOX TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)

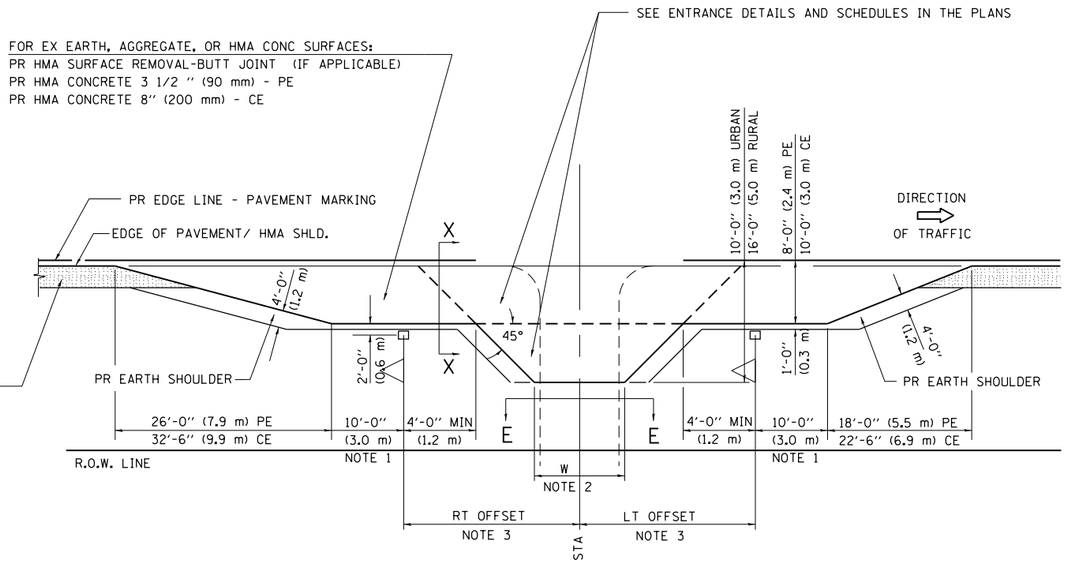
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	25
		CONTRACT NO. 72H14		
	ILLINOIS FED. AID PROJECT			

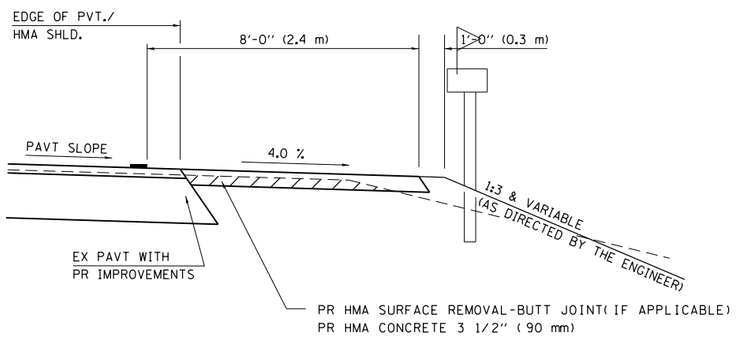
DETAILS OF MAILBOX TURNOUTS



PLAN - MAILBOX TURNOUTS

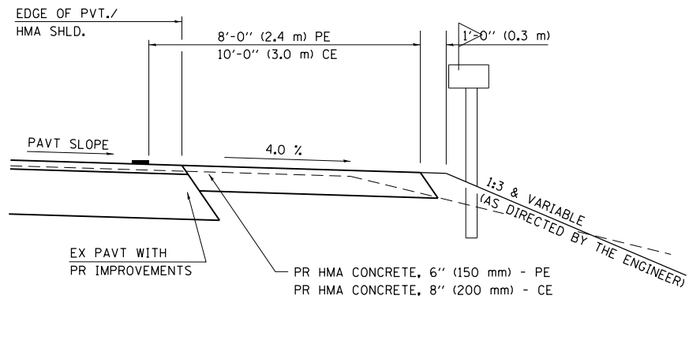


PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



SECTION X-X THRU MAILBOX TURNOUT
ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH EX EARTH, AGGREGATE, OR HMA PE & FE

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST. IF EXISTING, TREAT SAME AS ENTRANCE.)



SECTION X-X THRU MAILBOX TURNOUT
COMBINED WITH EX HMA CONC & PC CONC PE & CE

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST. IF EXISTING, TREAT SAME AS ENTRANCE.)

NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT, DIMENSION FROM CENTER OF END MAILBOX.

NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.

NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

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

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		DRAWN -	REVISED - 4/01/04	JCN
Default ENT PPP.DGN	PLOT SCALE = 40.0000 ' / in.	CHECKED - JCN	REVISED -	
	PLOT DATE = 10/15/2015	DATE - FEBRUARY 23, 1999	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIST. 6 DETAILS FOR RURAL/URBAN ENT., MAILBOX TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(134) RS-10, I-3, BJR	LOGAN	26	26
		CONTRACT NO. 72H14		
	ILLINOIS FED. AID PROJECT			