

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	1
		ILLINOIS	CONTRACT NO. 70951	

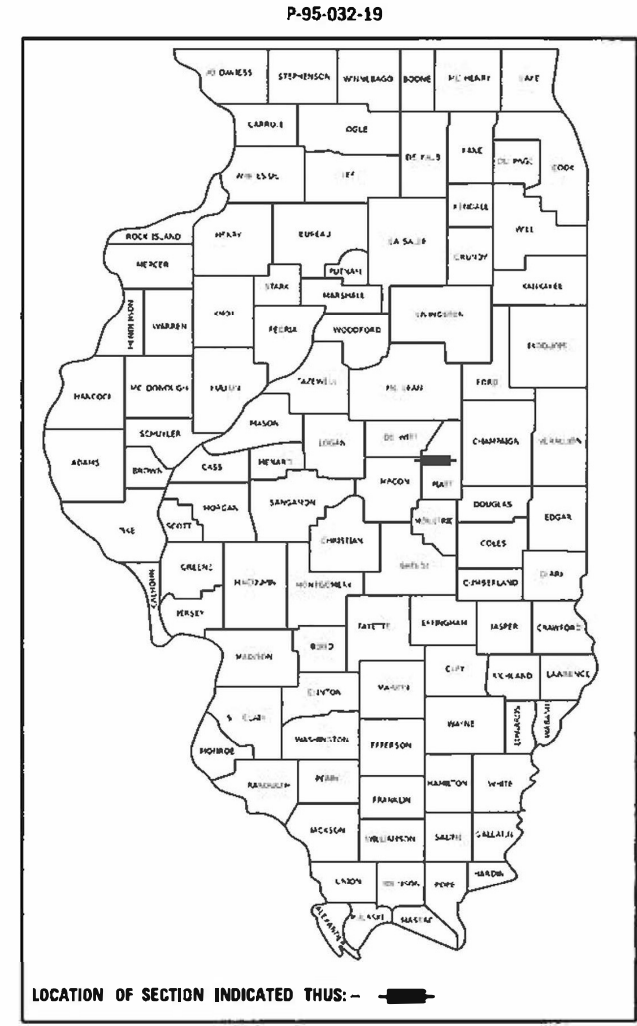
PROPOSED HIGHWAY PLANS

FAS ROUTE 1531 (OLD IL 47)
SECTION (10)RS
PROJECT STP-ORZF(582)
3P RESURFACING-DESIGNED OVERLAY
PIATT COUNTY

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

INDEX OF SHEETS

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FUNCTIONAL CLASSIFICATION
MAJOR COLLECTOR
2020 ADT = 950
PV = 90.5% SU = 6.3% MU = 3.2%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 12/16/20 21
Kevin A. Garnett
REGIONAL ENGINEER

February 4 20 22
Stephen M. Laska
ENGINEER OF DESIGN AND ENVIRONMENT

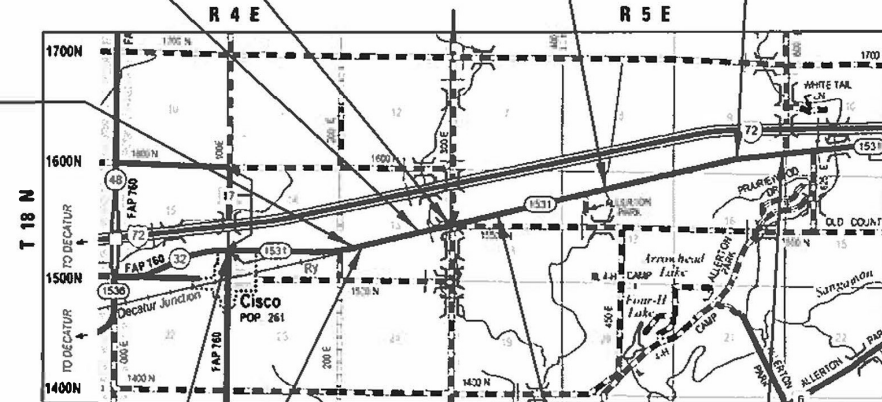
February 4 20 22
Stephen M. Laska
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

C-95-048-20
ILL 32 TO 600E WEST OF MONTICELLO

- S.N. 074-2007
STA. 164 + 40
HMA RESURFACING
- S.N. 074-8606
STA. 241 + 65
HMA RESURFACING
- S.N. 074-8055
STA. 151 + 35
POSTING MITIGATION
- S.N. 074-8056
STA. 186 + 90
POSTING MITIGATION
- S.N. 074-8057
STA. 302 + 77
POSTING MITIGATION
- S.N. 074-8609
STA. 121 + 85
POSTING MITIGATION
- S.N. 074-8056
STA. 328 + 25
POSTING MITIGATION

STATION EQUATION
STA. 2219 + 00.70 (BK)
STA. 117 + 77.88 (AH)

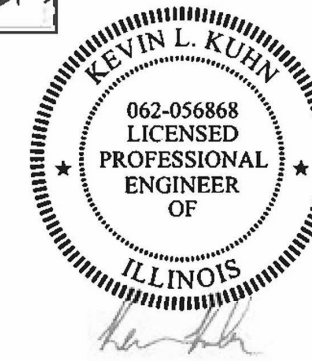


BEGIN SECTION: (10)RS
STA. 2159 + 50

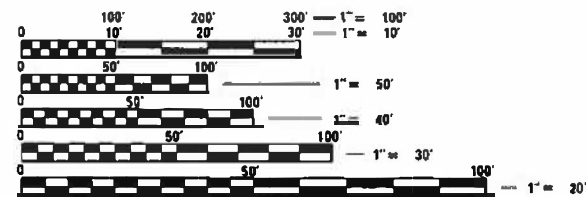
END SECTION: (10)RS
STA. 328 + 25

LOCATION MAP

GROSS LENGTH = 26,997.8 FT. = 5.113 MILE
NET LENGTH = 26,997.8 FT. = 5.113 MILE



DATE: 12 / 15 20 21
EXPIRES: NOVEMBER 30 20 23



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
1-800-892-8123
OR 811

PROJECT ENGINEER: RYAN T. CARROLL, P.E.
DISTRICT 5 PHONE NUMBER: 217-466-7225

CONTRACT NO. 70951

GENERAL NOTES

G.N. - 100B
 MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

G.N.-105.09A
 ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.- 703A
 SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (TACK COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N.- 781
 THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS.

BASED ON OUR STRUCTURAL ANALYSIS, THE FOLLOWING STRUCTURES CAN BE CROSSED WITH AN EMPTY MTD WITH THE FOLLOWING MAXIMUM GROSS WEIGHT RESTRICTIONS:
 074-2007 (40 TONS)
 074-8606 (40 TONS)
 IF THE SAME MTD IS USED THROUGHOUT THE ENTIRE CONTRACT, THEN IT MUST BE LIMITED TO AN EMPTY GROSS WEIGHT \leq 40 TONS.
 STRUCTURES 074-8055, -8056, -8057 AND -8609 MAY NOT BE CROSSED WITH AN EMPTY MTD.

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

BITUMINOUS MATERIALS (TACK COAT)	0.05 LBS/SQ FT (ON PAVEMENT)
BITUMINOUS MATERIALS (TACK COAT)	0.025 LBS/SQ FT (FOG)
HOT-MIX ASPHALT MATERIAL	112 LBS/SQ YD/IN
AGGREGATE MATERIAL	2.05 TONS/CU YD

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION:	OLD IL 47	OLD IL 47	OLD IL 47	OLD IL 47
MIXTURE USE(S):	SURFACE	BINDER	SHOULDERS & PATCHING (BOTTOM 2 1/4" FOR SHLDS)	SHOULDERS & INCIDENTAL (TOP 1 1/2" FOR SHLDS)
AC/PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDES=50	4.0% @ NDES=50	4.0% @ NDES=50	4.0% @ NDES=50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5	IL 19.0	IL 19.0	IL 9.5
FRICTION AGGREGATE:	MIX C	N/A	N/A	MIX C
MIXTURE WEIGHT:	112	112	112	112
QUALITY MANAGEMENT:	QCP	QCP	QC/QA	QC/QA
SUBLOT SIZE:	1000	1000	N/A	N/A
MATERIAL TRANSFER DEVICE REQUIRED:	NO	NO	NO	NO

COMMITMENTS

THERE ARE NO COMMITMENTS

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 MODEL = 5MODELS
 PLOT DRIVER = 5PLTDIV55



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PLOT SCALE = 2,0000 ' / in.	CHECKED - MJT	REVISED -
PLOT DATE = 1/31/2022	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTEMENT OF TRANSPORTATION

GENERAL NOTES, COMMITMENTS AND LIST OF STANDARDS

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	2
CONTRACT NO. 70951			ILLINOIS FED. AID PROJECT	

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 MODEL = 5MODELS
 PLOT DRIVER = 5PLTRV55

LOCATION OF WORK: 3P-STP STRUCTURE-STP
 FAS 1531 (OLD IL 47)
 MAJOR COLLECTOR
 STA. 2159+50
 STA. 328+25
 PIATT CO.
 FUNDING BREAKOUT: 80% FED / 20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	3P-STP		STRUCTURE-STP	
				ROADWAY	BOX	CULVERT	
				0005	0004		
				RURAL	RURAL		
20200500	EARTH EXCAVATION (WIDENING)	CU YD	169	169			
35100100	AGGREGATE BASE COURSE, TYPE A	TON	365	346	19		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	44550	44550			
40600370	LONGITUDINAL JOINT SEALANT	FOOT	27000	27000			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	40	40			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	595	595			
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	115	115			
40600990	TEMPORARY RAMP	SQ YD	350	350			
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	8344	8316	28		
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	5544	5544			
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	443	443			
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	146	146			
44000100	PAVEMENT REMOVAL	SQ YD	101		101		
44201749	CLASS D PATCHES, TYPE I, 9 INCH	SQ YD	120	120			

* DENOTES SPECIALTY ITEM

LOCATION OF WORK: 3P-STP STRUCTURE-STP
 FAS 1531 (OLD IL 47)
 MAJOR COLLECTOR
 STA. 2159+50
 STA. 328+25
 PIATT CO.
 FUNDING BREAKOUT: 80% FED / 20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	3P-STP		STRUCTURE-STP	
				ROADWAY	BOX	CULVERT	
				0005	0004		
				RURAL	RURAL		
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	340	340			
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	20	20			
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	200	200			
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2500	2500			
48203012	HOT-MIX ASPHALT SHOULDERS, 3 3/4"	SQ YD	1012	1012			
50300255	CONCRETE SUPERSTRUCTURE	CU YD	25.3		25.3		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	5910		5910		
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6	6			
67100100	MOBILIZATION	L SUM	1	1			
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1			
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1			
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1			
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	14		14		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5400	5400			

* DENOTES SPECIALTY ITEM



USER NAME = myoung
 FILE NAME = D570951-shi-500.dgn
 PLOT SCALE = 2,0000' / in.
 PLOT DATE = 12/16/2021

DESIGNED - JS
 DRAWN - MMY
 CHECKED - MJT
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTEMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70951	

LOCATION OF WORK: 3P-STP STRUCTURE-STP
 FAS 1531 (OLD IL 47)
 MAJOR COLLECTOR
 STA. 2159+50
 STA. 328+25
 PIATT CO.
 FUNDING BREAKOUT: 80% FED / 20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY		BOX CULVERT	
				0005	0004	0004	
				RURAL	RURAL		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1800	1800			
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	60420	60420			
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	60420	60420			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	338	338			
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	65	65			
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1			1	
* XZ193400	SURVEY MARKER, TYPE 2 (SPECIAL)	EACH	4	4			
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			

* DENOTES SPECIALTY ITEM

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 MODEL = 5MODELS
 PLOT DRIVER = 5PLTDV55



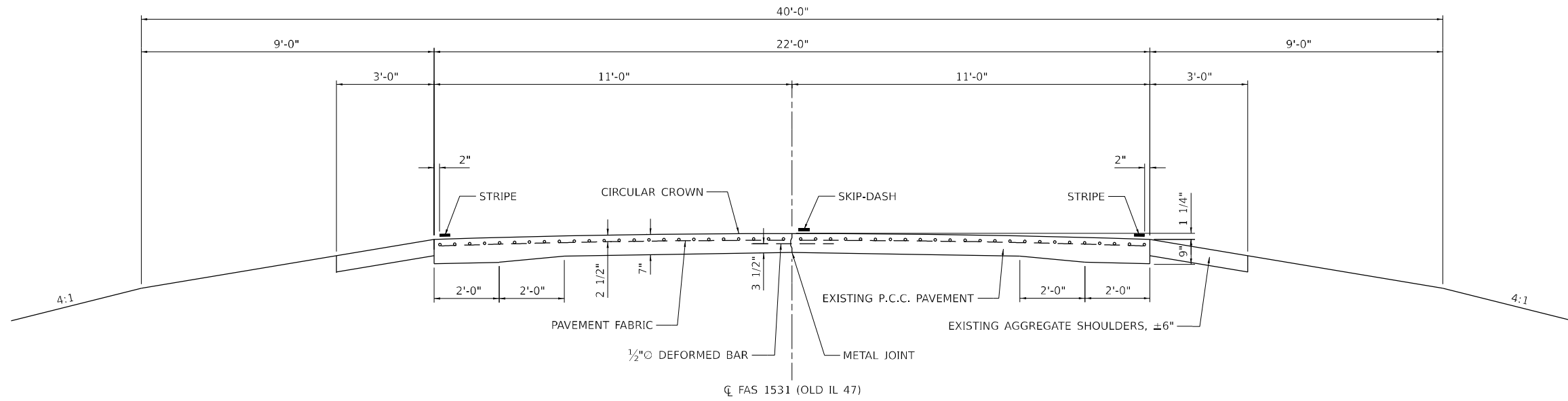
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PLOT DATE = 12/16/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTEMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

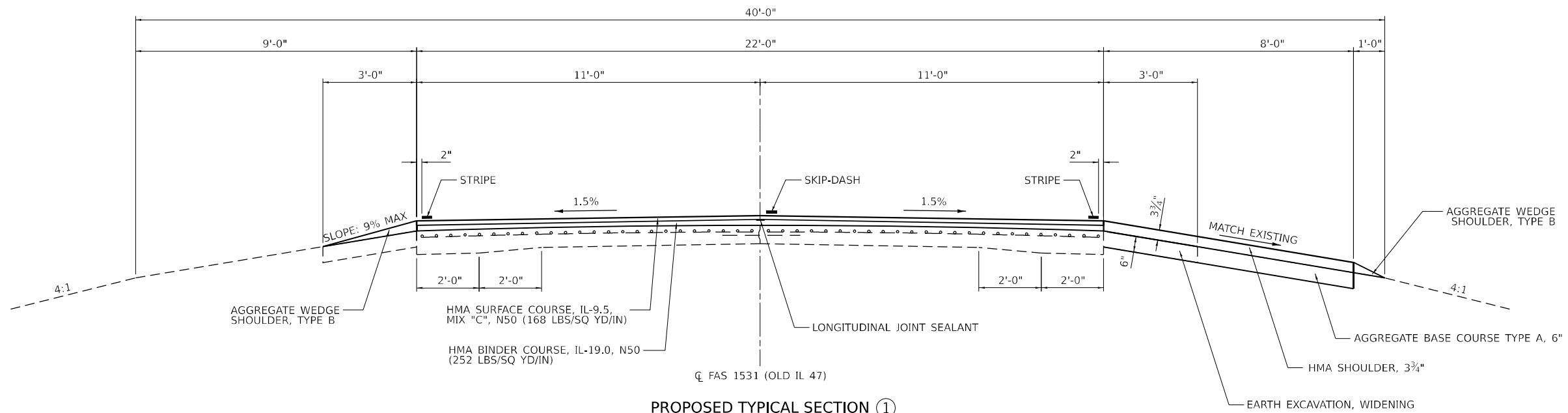
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F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	4
CONTRACT NO. 70951			ILLINOIS FED. AID PROJECT	



EXISTING TYPICAL SECTION ①

STA. 2159+50.00 TO STA. 2169+00.00



PROPOSED TYPICAL SECTION ①

STA. 2159+50.00 TO STA. 2169+00.00

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 MODEL = 3MODELS
 PLOT DRIVER = SPLDRV55



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 PLOT DATE = 12/16/2021

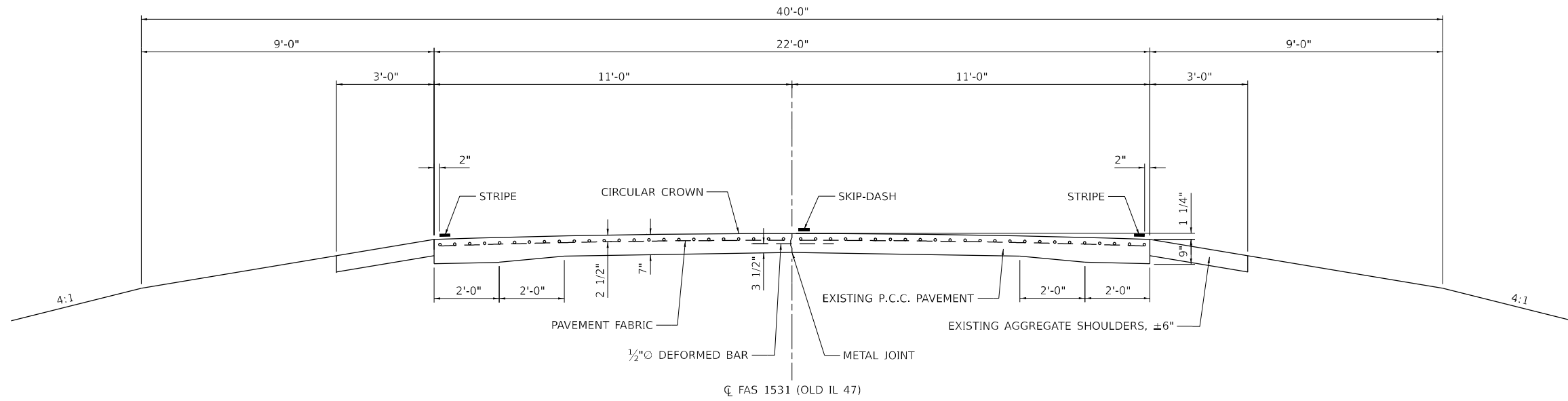
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DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTEMENT OF TRANSPORTATION**

TYPICAL SECTIONS

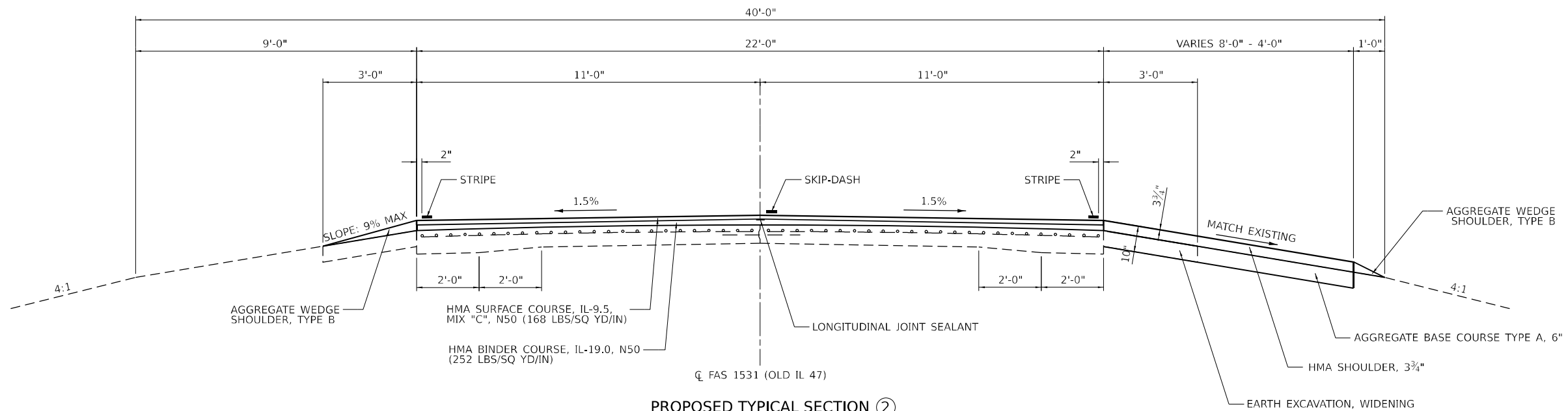
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	5
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION ②

STA. 2169+00.00 TO STA. 2171+50.00



PROPOSED TYPICAL SECTION ②

STA. 2169+00.00 TO STA. 2171+50.00

FILE NAME = J:\2023\6.05 IDOT D5 - PTB 1944-010 - W05 - IL 47 Overlay - Phase II\CA00Data\CA00Sheet\0570951-sh-typical.dgn
 MODEL = 3MODELS
 PLOT DRIVER = SPLDRV55



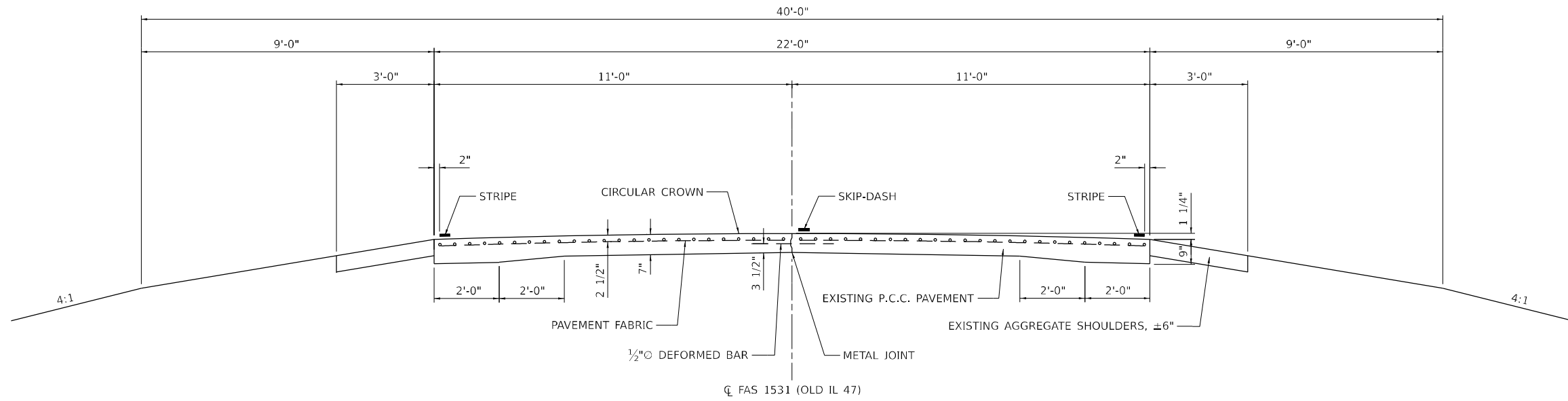
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PLOT DATE = 12/16/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTEMENT OF TRANSPORTATION**

TYPICAL CROSS SECTIONS

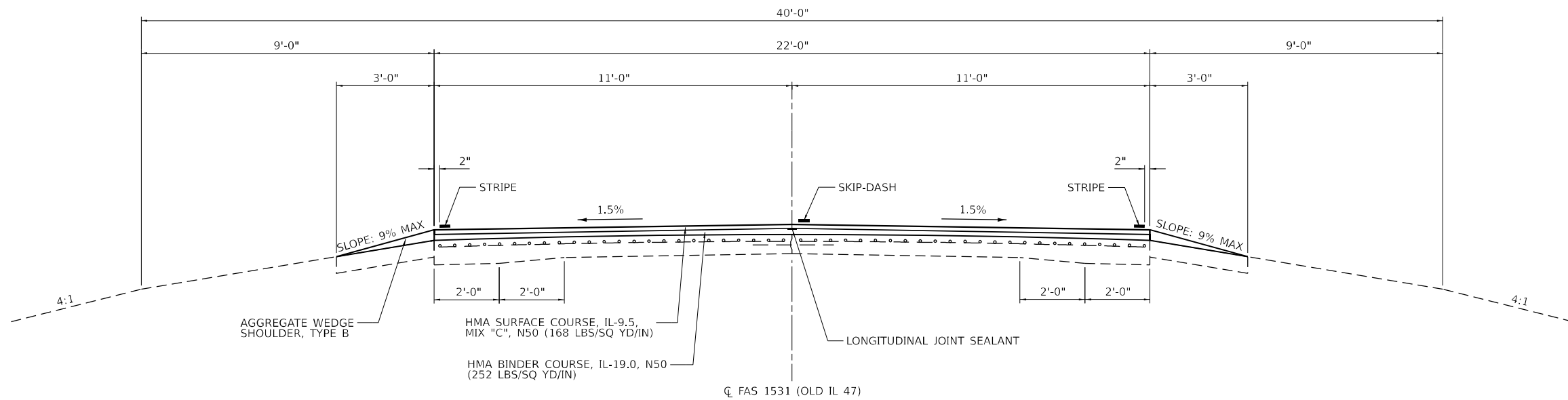
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	6
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION ③

STA. 2171+50.00 TO STA. 2199+22.44
 STA. 2218+89.03 TO STA. 299+06.60
 EQUATION: STA. 2219+00.70 BK = 117+77.88 AH
 STA. 308+82.01 TO STA. 328+25.00



PROPOSED TYPICAL SECTION ③

STA. 2171+50.00 TO STA. 2199+22.44
 EQUATION: STA. 2219+00.70 BK = 117+77.88 AH
 STA. 2218+89.03 TO STA. 299+06.60
 STA. 308+82.01 TO STA. 328+25.00

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 MODEL = S\MODELS
 PLOT DRIVER = SPLDRV55



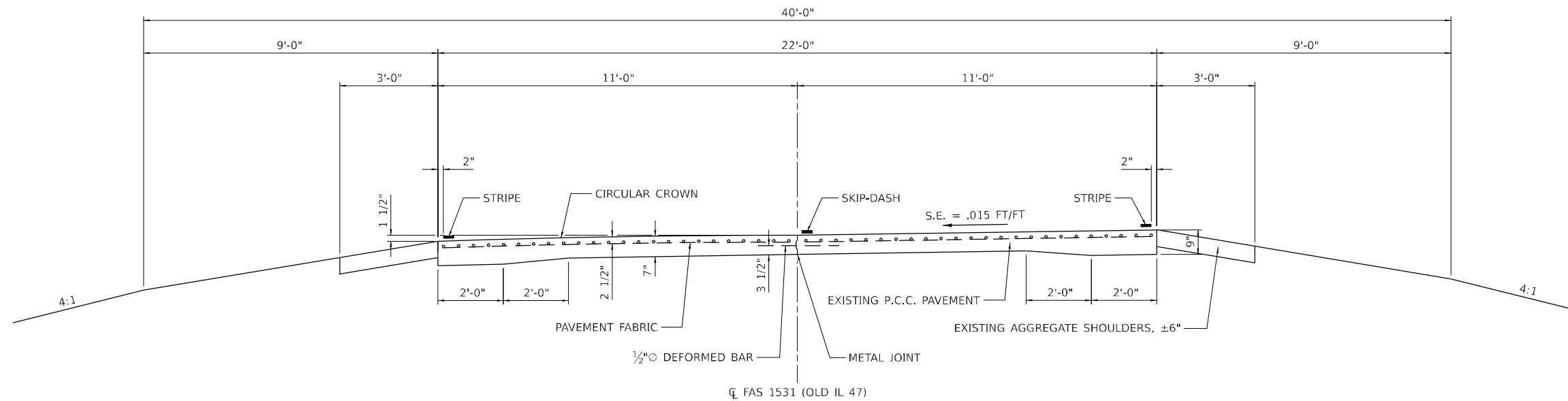
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PLOT DATE = 12/16/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL CROSS SECTIONS

SCALE: SHEET NO. 3 OF 5 SHEETS STA. TO STA.

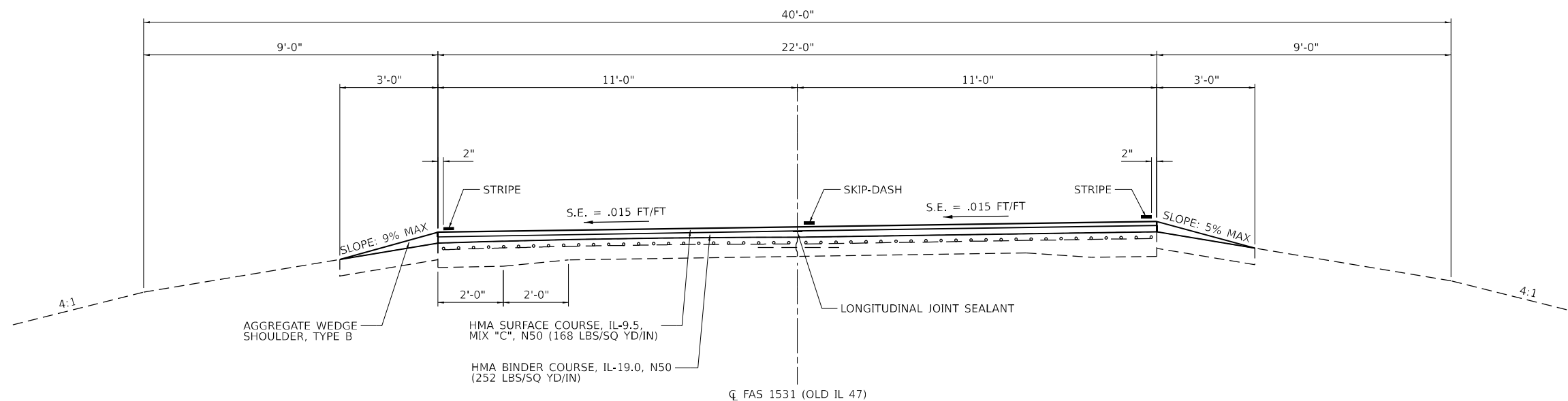
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	7
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION ④

STA. 2199+22.44 TO STA. 2218+89.03
 STA. 299+06.60 TO STA. 308+82.01

S.E. ATTAINED
 STA. 2198+52.44 TO STA. 2199+22.44
 STA. 2218+89.03 TO STA. 118+36.21
 EQUATION: STA. 2219+00.70 BK = 117+77.88 AH



PROPOSED TYPICAL SECTION ④

STA. 2199+22.44 TO STA. 2218+89.03
 STA. 299+06.60 TO STA. 308+82.01

S.E. ATTAINED
 STA. 2198+52.44 TO STA. 2199+22.44
 STA. 2218+89.03 TO STA. 118+36.21
 EQUATION: STA. 2219+00.70 BK = 117+77.88 AH

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 PLOT DRIVER = S:\PLOTDRVS



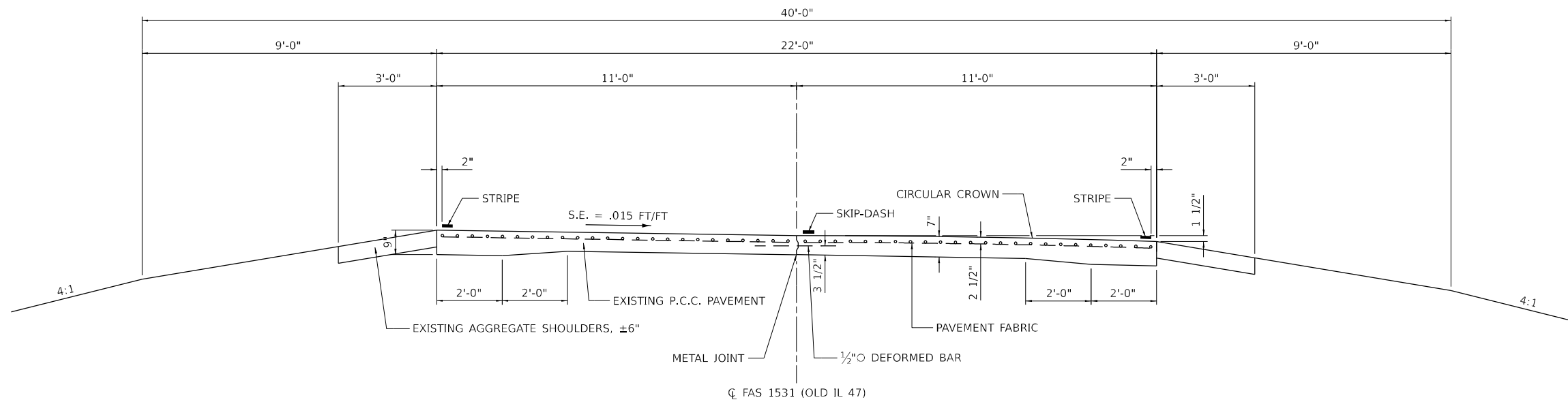
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PLOT DATE = 12/16/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTEMENT OF TRANSPORTATION**

TYPICAL CROSS SECTIONS

SCALE: SHEET NO. 4 OF 5 SHEETS STA. TO STA.

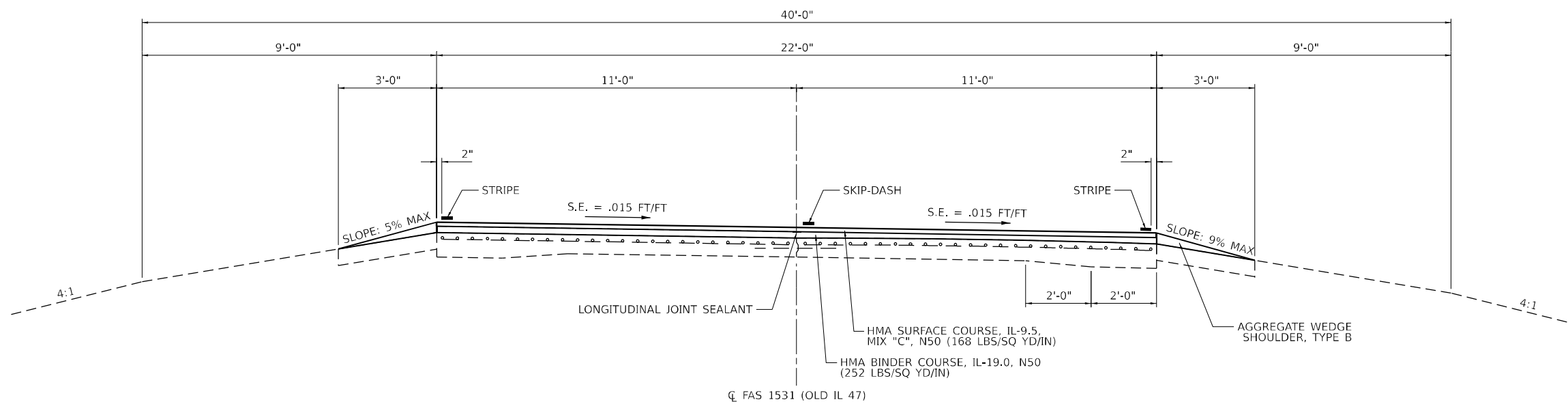
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	8
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION ⑤

STA. 299+06.60 TO STA. 308+82.01

S.E. ATTAINED
 STA. 298+36.60 TO STA. 299+06.60
 STA. 308+82.01 TO STA. 309+52.01



PROPOSED TYPICAL SECTION ⑤

STA. 299+06.60 TO STA. 308+82.01

S.E. ATTAINED
 STA. 298+36.60 TO STA. 299+06.60
 STA. 308+82.01 TO STA. 309+52.01

FILE NAME = J:\2023\05 IDOT D5 - PTB 194+010 - W05 - IL 47 Overlay - Phase II\CAD\DATA\CAD\Sheet\0570951-shi-typical.dgn
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 PLOT DRIVER = 5PLOTDRV55



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FILE NAME = D570951-shi-typical.dgn	DRAWN - MMY	REVISED -
PLOT SCALE = 4,0000 ' / in.	CHECKED - MJT	REVISED -
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**STATE OF ILLINOIS
 DEPARTEMENT OF TRANSPORTATION**

TYPICAL CROSS SECTIONS

SCALE: SHEET NO. 5 OF 5 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	9
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				

RESURFACING SCHEDULE - MAINLINE

LOCATION		SIDE	WIDTH	LENGTH	AREA	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	AGGREGATE WEDGE SHOULDER, TYPE B
STATION TO	STATION		FT	FT	SQ YD	40600290	40603080	40604050	48102100
						POUND	TON	TON	TON
2159+50.00	328+25.00		22.0	26,997.8	65,994.60	44,550.00	8,316.00	5,544.00	
2159+50.00	328+25.00	LT							1,250.00
2159+50.00	328+25.00	RT							1,250.00
TOTAL						44,550	8,316	5,544	2,500

RESURFACING SCHEDULE - SIDE ROADS

SIDE ROAD	LOCATION	AVERAGE WIDTH	DEPTH	AREA	AREA	BITUMINOUS MATERIALS (TACK COAT)	INCIDENTAL HOT-MIX ASPHALT SURFACING	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL
						40800029	40800050	X4400196
STATION		FT	FT	SQ FT	SQ YD	POUND	TON	SQ YD
200E RT.	2211+51.84	41	39	1599	177.7	80	26.1	16.7
300E RT.	165+49.07	35	39	1365	151.7	68	22.3	16.7
300E LT.	165+54.80	44	39	1716	190.7	86	28.0	14.7
600E LT.	327+69.68	46	39	1794	199.3	90	29.3	16.7
TOTAL						324	105.7	64.8
USE						324	106	65

RESURFACING SCHEDULE - ENTRANCES

LOCATION			AVERAGE WIDTH	DEPTH	AREA TO RESURFACE	INCIDENTAL HOT-MIX ASPHALT SURFACING	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	BITUMINOUS MATERIALS (TACK COAT)
						40800050	40600982	40600985	40800029
SIDE	STATION	TYPE	FT	FT	SQ YD	TON	SQ YD	SQ YD	POUND
LT.	162+90.00	PE	30	10	33.3	4.9	20.0		15
LT.	289+36.00	CE	104.5	10	116.1	17.1		57.4	52
LT.	293+12.00	CE	104.5	10	116.1	17.1		57.4	52
TOTAL						39.1	20	114.8	119
USE						40	20	115	119

PAVEMENT MARKING SCHEDULE

LOCATION	COMMENT	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING - LINE 4"		PAINT PAVEMENT MARKING - LINE 4"	
				WHITE	YELLOW	WHITE	YELLOW
		70300100	70300150	70300221		78001110	
STATION TO	STATION	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT
2159+50.00	328+25.00	5400	1800				
		LT EDGE		26,830		26,830	
		RT EDGE		26,840		26,840	
		CENTERLINE			6,750		6,750
TOTAL THIS SHEET		5400	1800	60,420		60,420	

REMOVALS SCHEDULE

LOCATION		LENGTH	AVERAGE WIDTH	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
				40600982
STATION TO	STATION	FT	FT	SQ YD
2159+50.00	2160+60.00	110	22	268.9
327+00.00	328+25.00	125	22	305.6
TOTAL				574.4
USE				575

TEMPORARY RAMP SCHEDULE

LOCATION	WIDTH	LENGTH	NOTES	TEMPORARY RAMP
				40600990
STATION	FT	FT		SQ YD
2159+50.00	22	8.3	AFTER MILLING	20.3
2159+50.00	22	5.0	AFTER BINDER	12.2
328+25.00	22	8.3	AFTER MILLING	20.3
328+25.00	22	5.0	AFTER BINDER	12.2
200E RT	80	7.5	AFTER BINDER	66.7
300E RT	70	7.5	AFTER BINDER	58.3
300E LT	90	7.5	AFTER BINDER	75.0
600E LT	100	7.5	AFTER BINDER	83.3
TOTAL				348.3
USE				350

PAVEMENT MARKERS SCHEDULE

LOCATION		LENGTH	RAISED REFLECTIVE PAVEMENT MARKER
			78100100
STATION TO	STATION	FEET	TWO-WAY AMBER EACH
2159+50	328+25	27000	338
TOTAL			338

SHOULDER IMPROVEMENT SCHEDULE

LOCATION	COMMENT	EARTH EXCAVATION (WIDENING)	AGGREGATE BASE COURSE, TYPE A	HOT-MIX ASPHALT SHOULDERS, 3 3/4"
		20200500	35100100	48203012
		CU YD	TON	SQ YD
STA 2159+50 TO STA 2169+00	RT	140.7	288.4	844.4
STA 2169+00 TO STA 2171+50	RT	27.8	57.0	166.7
TOTAL		168.5	345.4	1011.1
USE		169	346	1012

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 PLOT DATE = 12/16/2021

DESIGNED - JS
 DRAWN - MMY
 CHECKED - MJT
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULES OF QUANTITIES

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	10
CONTRACT NO. 70951				

ILLINOIS FED. AID PROJECT

CLASS D PATCHING SCHEDULE

STATION	LANE	LENGTH	WIDTH	AREA	CLASS D TYPE I	CLASS D TYPE II	CLASS D TYPE III	CLASS D TYPE IIII
					9 INCHES	9 INCHES	9 INCHES	9 INCHES
					44201749	44201753	44201757	44201759
					SQ YD	SQ YD	SQ YD	SQ YD
2161+24.00	WB	30	11	36.7				36.7
2162+78.00	WB	8	4	3.6	3.6			
2162+78.00	EB	10	11	12.2		12.2		
2163+96.00	WB	4	11	4.9	4.9			
2176+18.00	WB	4	8	3.6	3.6			
2177+55.00	WB	6	11	7.3		7.3		
2177+76.00	EB	6	11	7.3		7.3		
2185+90.00	EB	6	4	2.7	2.7			
2185+90.00	WB	6	4	2.7	2.7			
2186+37.00	EB	8	8	7.1		7.1		
2186+84.00	EB	4	11	4.9	4.9			
2186+96.00	WB	10	11	12.2		12.2		
2188+59.00	EB	16	11	19.6			19.6	
2195+51.00	WB	20	4	8.9		8.9		
2207+76.00	EB	30	4	13.3		13.3		
2210+93.00	WB	12	11	14.7		14.7		
2211+54.00	EB	8	11	9.8		9.8		
2217+21.00	WB	10	11	12.2		12.2		
2217+21.00	EB	4	11	4.9	4.9			
2219+00.70 BK = 117+77.88 AH								
121+83.18	WB	4	11	4.9	4.9			
130+25.18	EB	10	5	5.6		5.6		
130+25.18	WB	10	5	5.6		5.6		
132+53.18	WB	6	11	7.3		7.3		
135+35.18	WB	6	11	7.3		7.3		
137+96.18	EB	7	4	3.1	3.1			
137+96.18	WB	7	4	3.1	3.1			
138+95.18	WB	6	11	7.3		7.3		
139+33.18	WB	6	11	7.3		7.3		
140+93.18	WB	6	11	7.3		7.3		
143+44.18	WB	8	11	9.8		9.8		
144+43.18	EB	8	4	3.6	3.6			
150+93.18	EB	4	11	4.9	4.9			
152+45.18	EB	10	11	12.2		12.2		
153+20.18	EB	4	11	4.9	4.9			
153+85.18	EB	4	11	4.9	4.9			
153+85.18	WB	4	11	4.9	4.9			
156+88.18	EB	6	11	7.3		7.3		
157+86.18	EB	8	11	9.8		9.8		
161+87.18	EB	12	4	5.3		5.3		
161+87.18	WB	12	4	5.3		5.3		
172+60.18	WB	6	11	7.3		7.3		
177+60.18	WB	8	5	4.4	4.4			
179+93.18	EB	6	11	7.3		7.3		
193+53.18	WB	4	11	4.9	4.9			
212+16.18	EB	30	11	36.7			36.7	
226+28.18	WB	4	11	4.9	4.9			
229+63.18	EB	10	4	4.4	4.4			
229+63.18	WB	10	4	4.4	4.4			
230+91.18	EB	6	11	7.3		7.3		
230+91.18	WB	6	11	7.3		7.3		
231+70.18	EB	6	11	7.3		7.3		
238+19.18	EB	12	11	14.7		14.7		
238+19.18	WB	12	11	14.7		14.7		
238+68.18	WB	4	11	4.9	4.9			
238+76.18	EB	4	11	4.9	4.9			
238+96.18	EB	4	11	4.9	4.9			
241+05.18	EB	100	6	66.7			66.7	
241+11.18	WB	80	6	53.3			53.3	
245+34.18	EB	8	11	9.8		9.8		
249+95.18	EB	8	6	5.3		5.3		
249+95.18	WB	8	11	9.8		9.8		
254+56.18	WB	6	11	7.3		7.3		
255+21.18	EB	10	4	4.4	4.4			
258+24.18	EB	4	11	4.9	4.9			
258+24.18	WB	4	11	4.9	4.9			
259+52.18	EB	8	6	5.3		5.3		
266+86.18	WB	6	11	7.3		7.3		
266+86.18	EB	10	11	12.2		12.2		
309+78.18	WB	12	4	5.3		5.3		
326+50.00	WB	4	11	4.9	4.9			
328+00.00	WB	12	4	5.3		5.3		
TOTAL					118.2	335.9	19.6	193.3
USE					120	340	20	200

SURVEY MARKER SCHEDULE

LOCATION	DESCRIPTION	COORDINATES		SURVEY MARKER, TYPE 2 (SPECIAL)	
		NORTHING	EASTING		
STATION	POINT			EACH	
2199+10.78	PC18	MAG Nail Set	1219528.201	878279.421	1
2219+00.70	PT18	MAG Nail Set	1219733.626	880253.678	1
298+94.94	PC14	MAG Nail Set	1223803.489	897907.684	1
308+93.68	PT14	MAG Nail Set	1223967.595	898892.215	1
TOTAL					4

POSTING MITIGATION SLABS SCHEDULE

LOCATION	S.N.	AGGREGATE BASE COURSE, TYPE A	HMA BINDER COURSE, IL 19.0, N50	PAVEMENT REMOVAL	CONCRETE SUPERSTRUCTURE	REINFORCEMENT BARS EPOXY COATED
		35100100	40603080	44000100	50300255	50800205
		TON	TON	SQ. YD.	CU. YD.	POUND
STA 121+85	074-8609		2.2	24.4	6.5	1510
STA 151+35	074-8055		5.3	24.4	6.5	1510
STA 186+90	074-8056	19	13.6	26.9	5.8	1380
STA 302+76	074-8057		6.0	24.4	6.5	1510
TOTAL		19	27.1	100.1	25.3	5910
USE		19	28	101	25.3	5910

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 PLOT DRIVER = SPLIDRV55



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DESIGNED - JS
 DRAWN - MMY
 CHECKED - MJT
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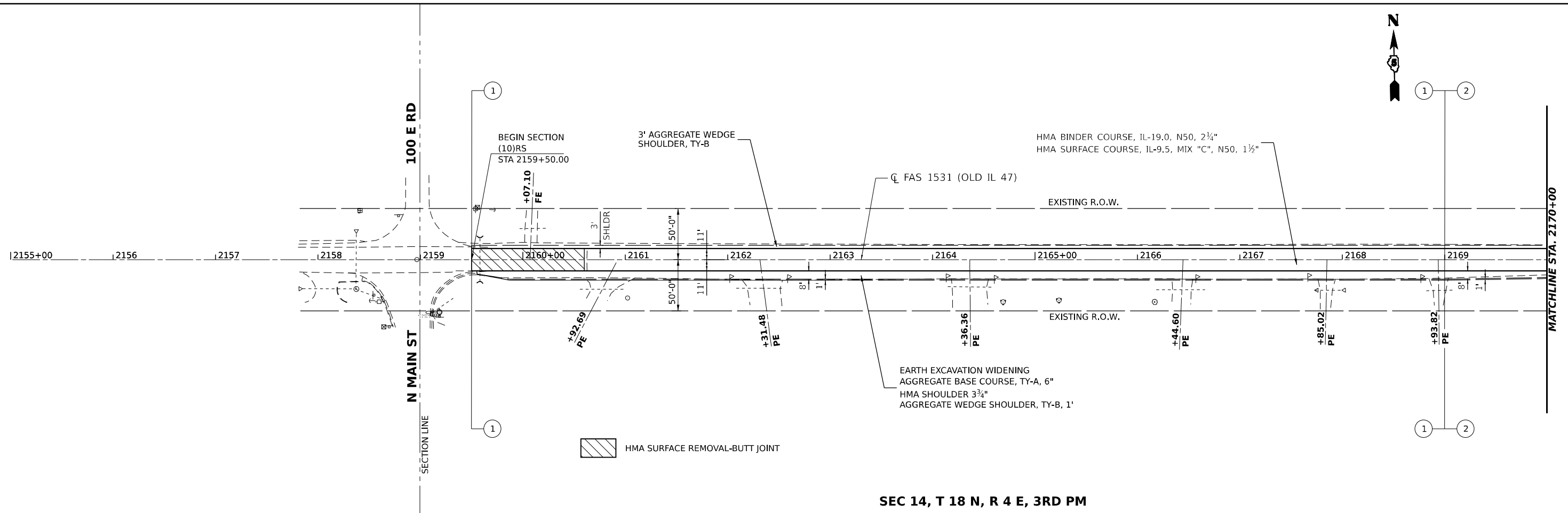
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

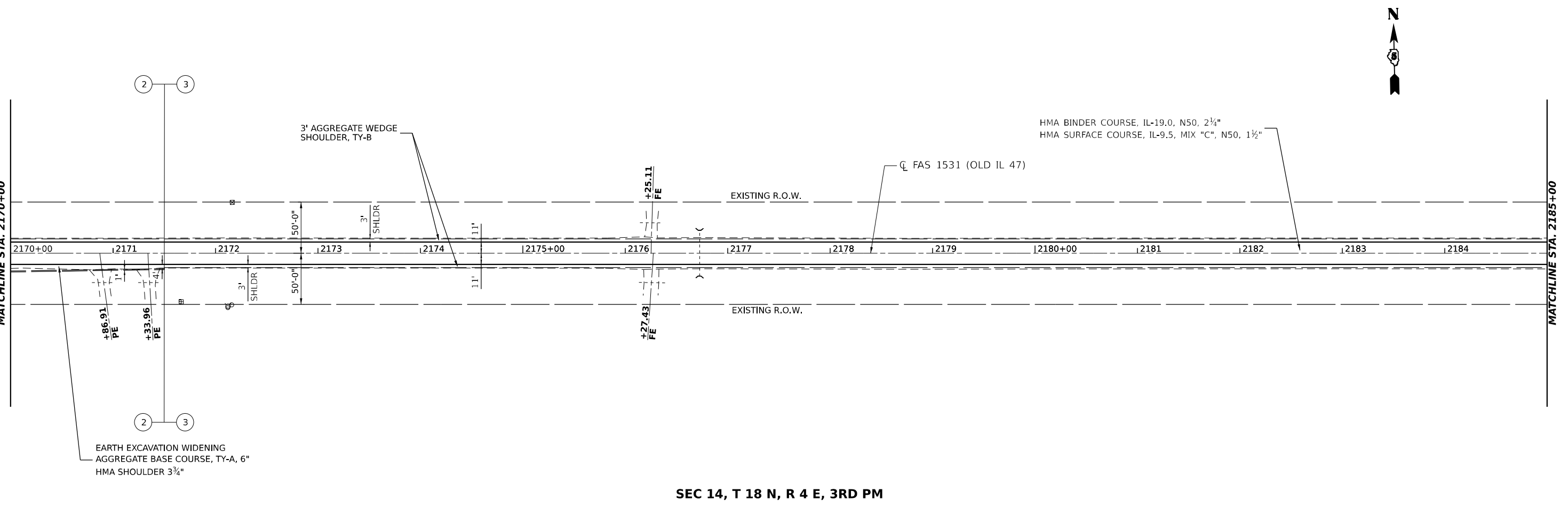
SCHEDULES OF QUANTITIES

SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	11
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				



SEC 14, T 18 N, R 4 E, 3RD PM



SEC 14, T 18 N, R 4 E, 3RD PM

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 PLOT DRIVER = SPLIDRV55



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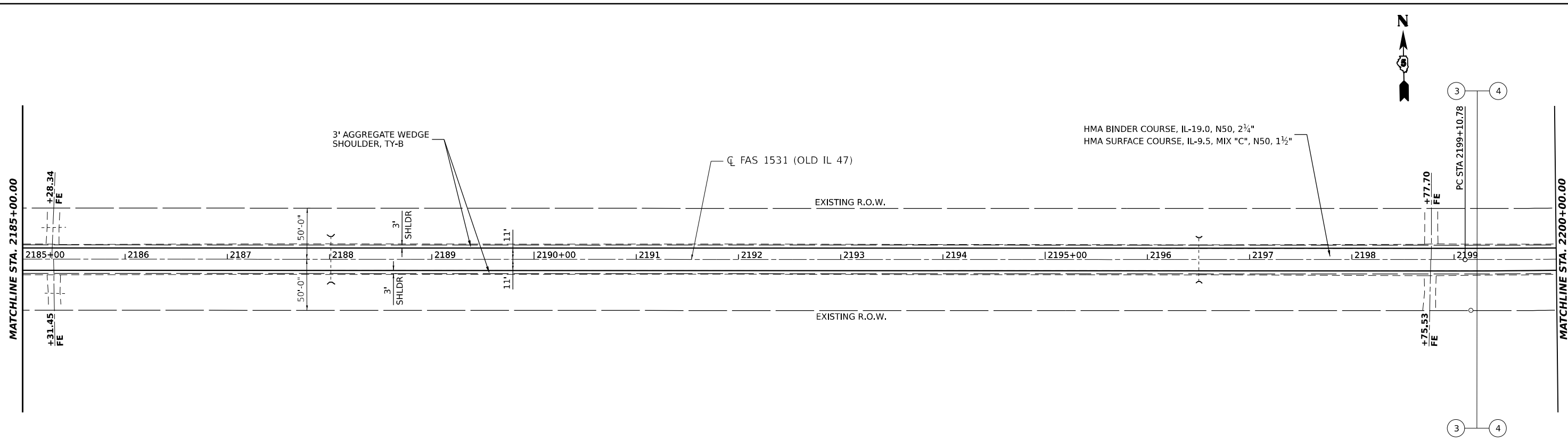
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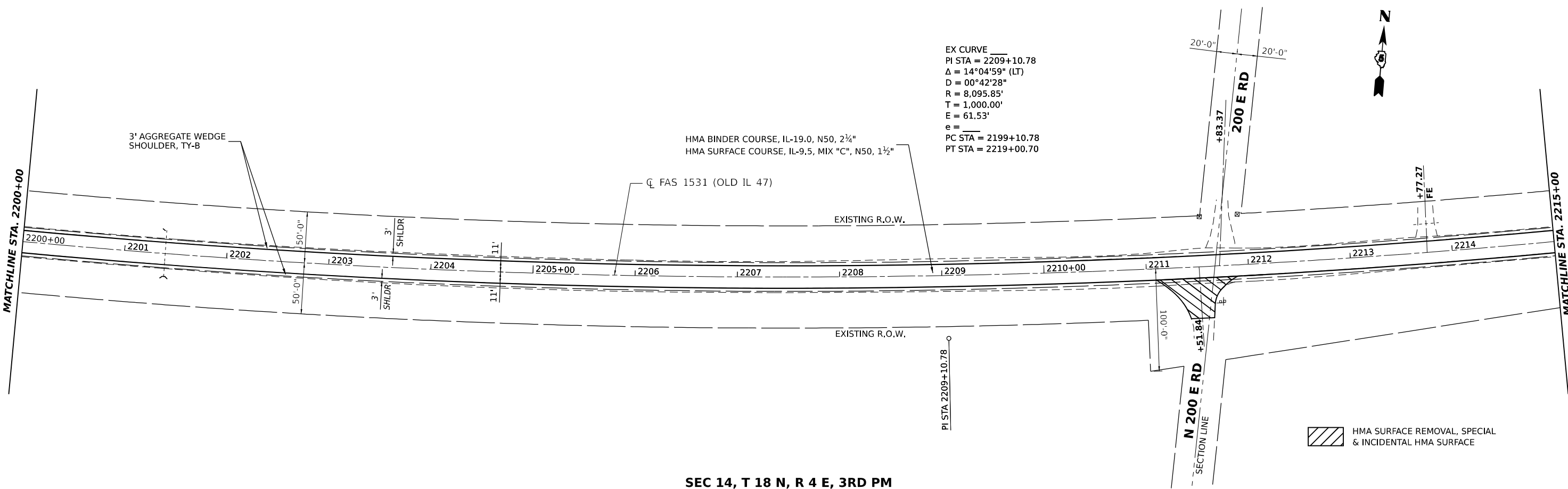
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

OLD IL 47
 PLAN SHEET
 SCALE: 1" = 50'
 SHEET NO. 1 OF 10 SHEETS
 STA. 2155+00 TO STA. 2185+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	12
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				



SEC 14, T 18 N, R 4 E, 3RD PM



SEC 14, T 18 N, R 4 E, 3RD PM

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 PLOT DRIVER = SPLIDRV55

KT KUHN & TRELLO
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 109 N. 7th Street, 3rd Floor
 Springfield, IL 62701
 Phone: 217-619-0044
 Professional Design Firm No. 184-006516

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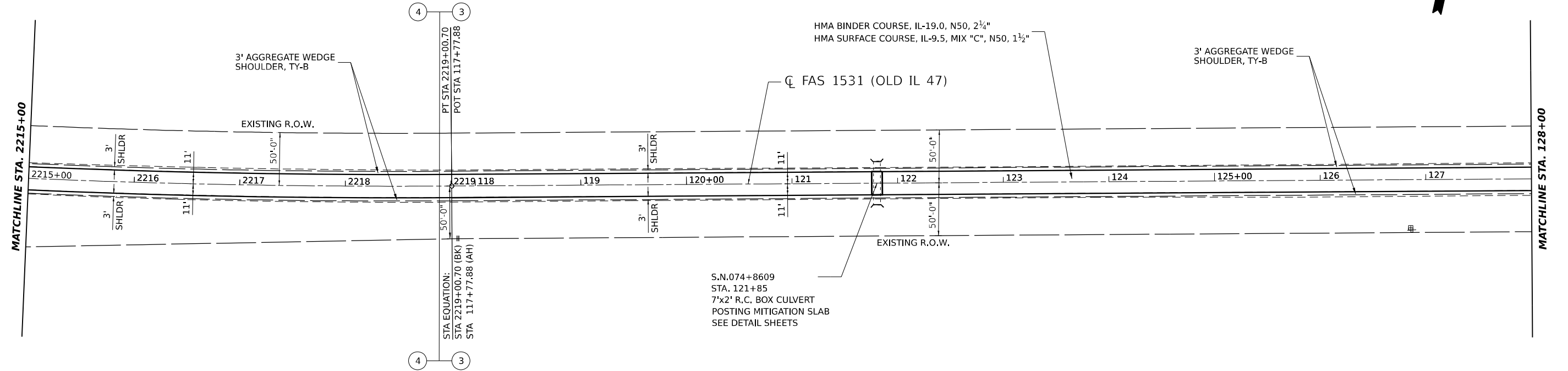
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DATE -		REVISED -	

STATE OF ILLINOIS
 DEPARTEMENT OF TRANSPORTATION

SCALE: 1" = 50'		SHEET NO. 2 OF 10 SHEETS		STA. 2185+00 TO STA. 2215+00	
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OLD IL 47
 PLAN SHEET

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	13
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				



S.N.074+8609
 STA. 121+85
 7'x2' R.C. BOX CULVERT
 POSTING MITIGATION SLAB
 SEE DETAIL SHEETS

SEC 13, T 18 N, R 4 E, 3RD PM

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 PLOT DRIVER = SPLIDRV55



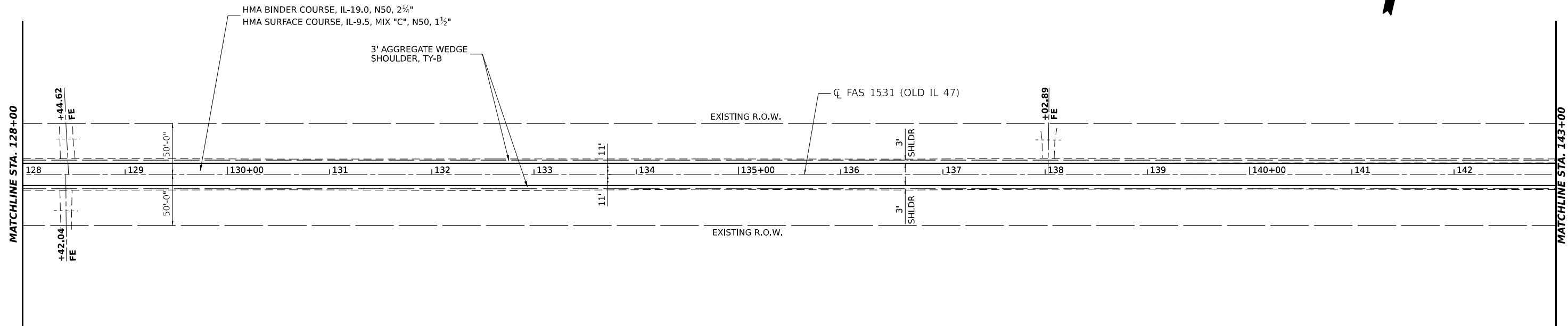
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

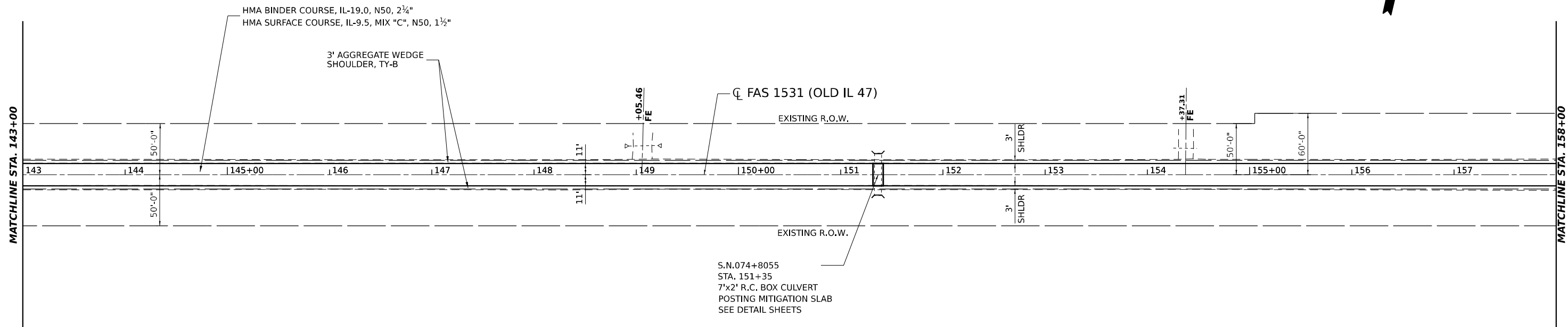
**OLD IL 47
 PLAN SHEETS**

SCALE: 1" = 50' SHEET NO. 3 OF 10 SHEETS STA. 2215+00 TO STA. 128+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	14
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				



SEC 13, T 18 N, R 4 E, 3RD PM



SEC 13, T 18 N, R 4 E, 3RD PM

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 PLOT DRIVER = SPLIDRV55



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DRAWN -	MS/MY	REVISED -	-
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DATE -		REVISED -	-

STATE OF ILLINOIS
DEPARTEMENT OF TRANSPORTATION

OLD IL 47
PLAN SHEETS

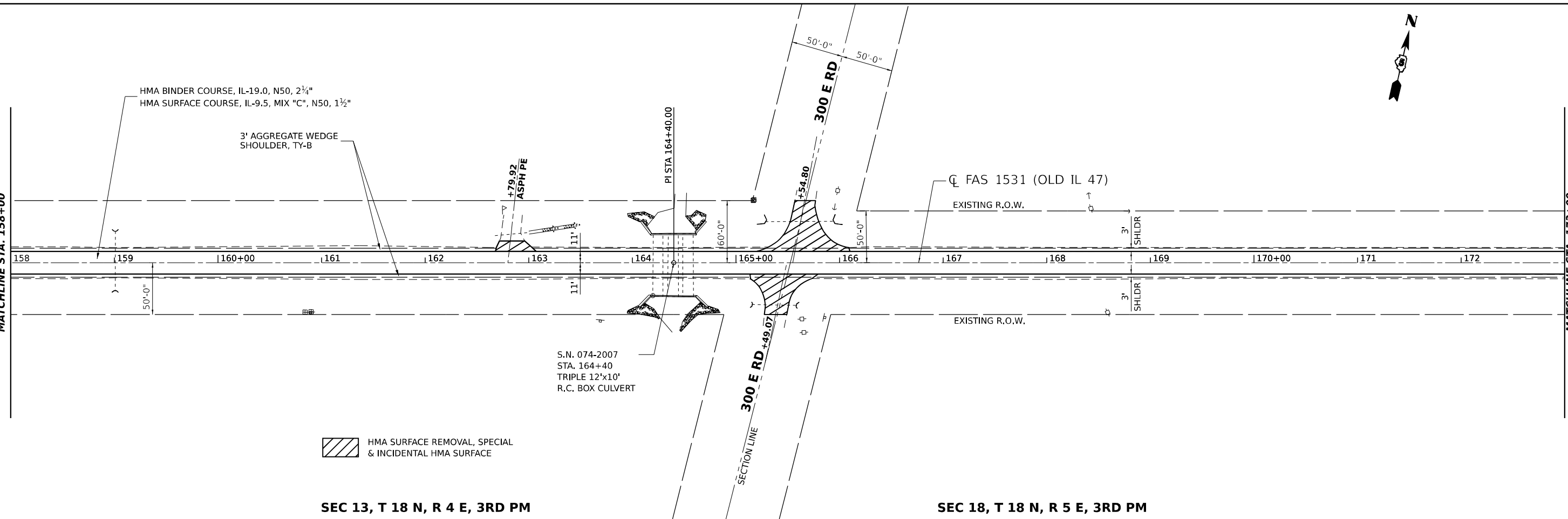
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1521	(10)RS	PIATT	38	15
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 158+00

MATCHLINE STA. 173+00



HMA SURFACE REMOVAL, SPECIAL & INCIDENTAL HMA SURFACE

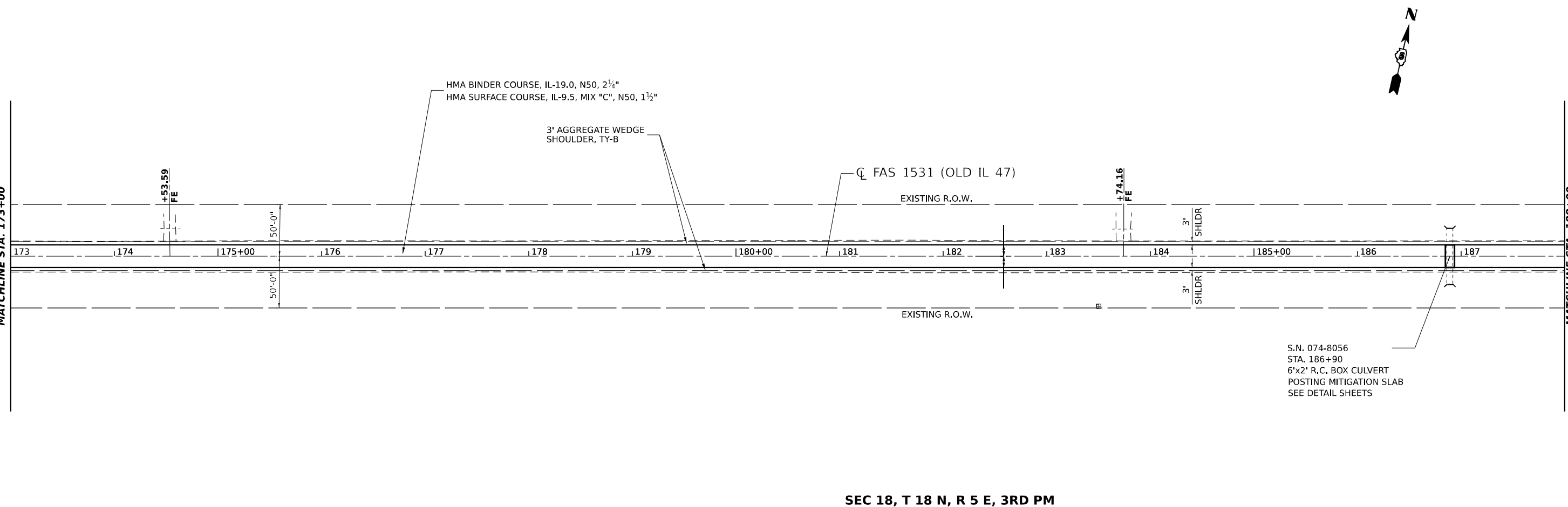
SEC 13, T 18 N, R 4 E, 3RD PM

SEC 18, T 18 N, R 5 E, 3RD PM



MATCHLINE STA. 173+00

MATCHLINE STA. 188+00



S.N. 074-8056
STA. 186+90
6'x2' R.C. BOX CULVERT
POSTING MITIGATION SLAB
SEE DETAIL SHEETS

SEC 18, T 18 N, R 5 E, 3RD PM

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PLOT DRIVER = SPLDRV55



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DRAWN - MS/MY
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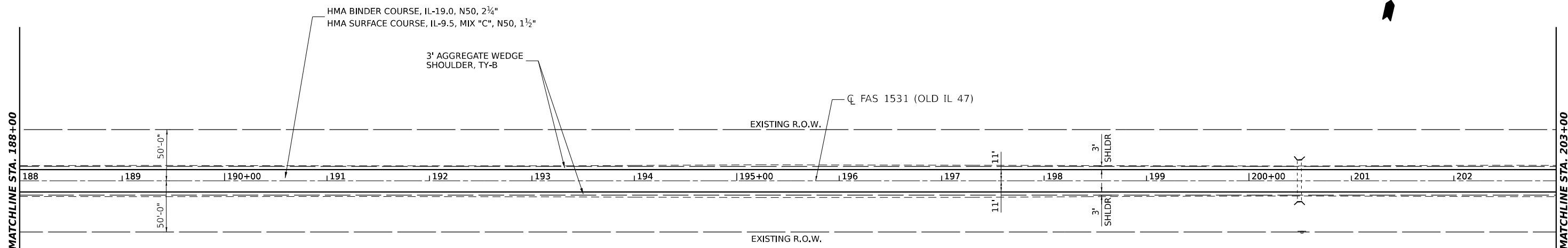
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OLD IL 47
PLAN SHEETS

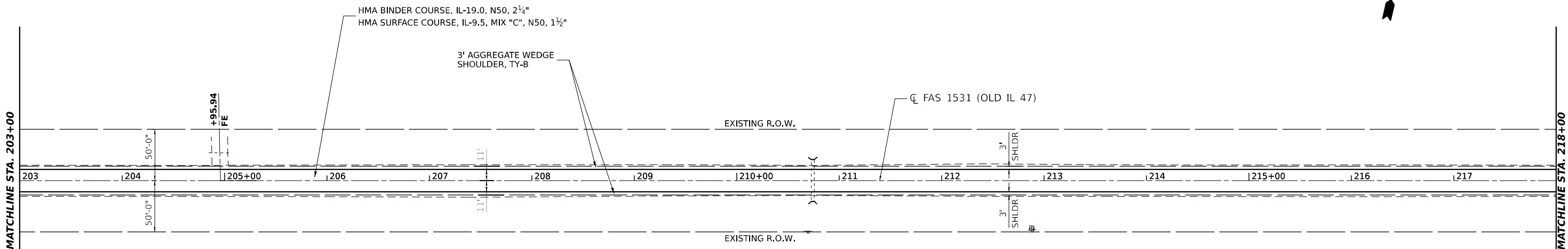
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	16
CONTRACT NO. 70951				

ILLINOIS FED. AID PROJECT



SEC 18, T 18 N, R 5 E, 3RD PM



SEC 18, T 18 N, R 5 E, 3RD PM

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 PLOT DRIVER = SPLIDRV55

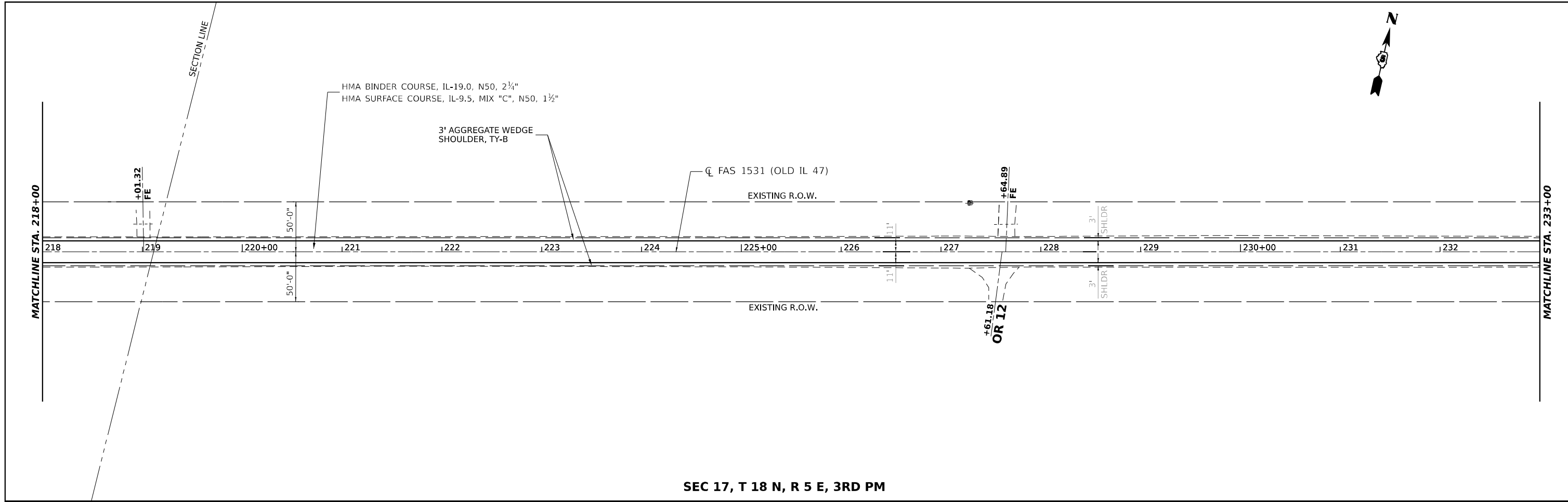


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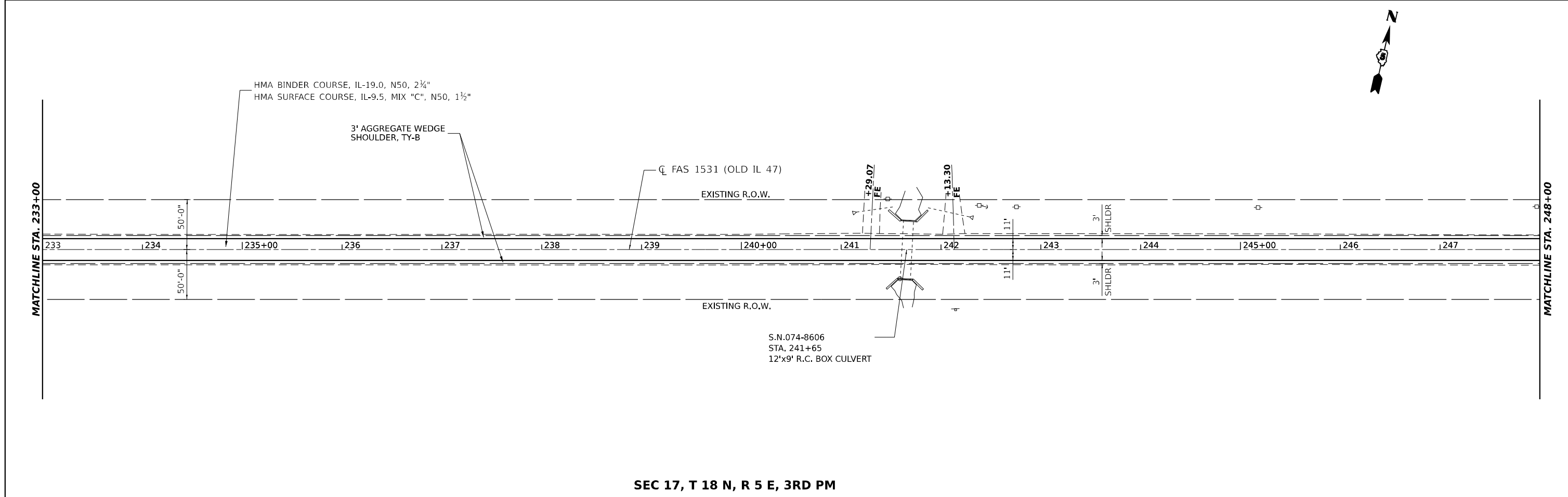
STATE OF ILLINOIS
 DEPARTEMENT OF TRANSPORTATION

OLD IL 47 PLAN SHEETS	
SCALE: 1" = 50'	SHEET NO. 6 OF 10 SHEETS
STA. 188+00 TO STA. 218+00	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	17
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				



SEC 17, T 18 N, R 5 E, 3RD PM



SEC 17, T 18 N, R 5 E, 3RD PM

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MODEL = SMOODELS
PLOT DRIVER = SPLIDRV55

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Professional Design Firm No. 184-006516

USER NAME = myoung	DESIGNED - JRS
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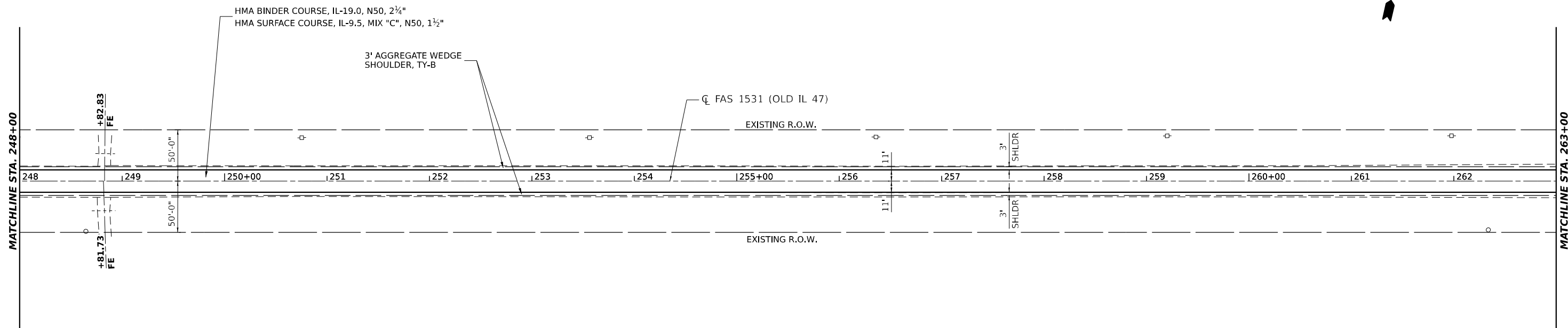
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STATE OF ILLINOIS
DEPARTEMENT OF TRANSPORTATION

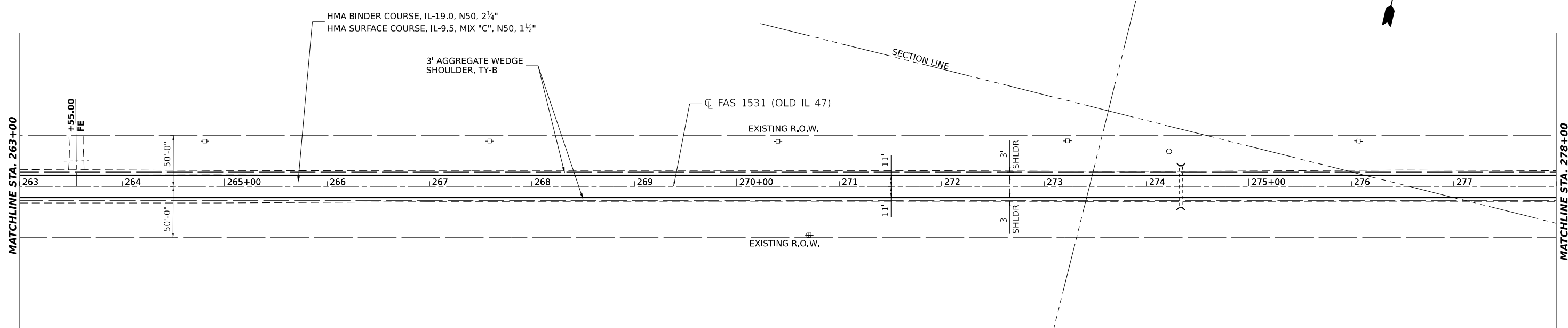
OLD IL 47
PLAN SHEETS

SCALE: 1" = 50' SHEET NO. 7 OF 10 SHEETS STA. 218+00 TO STA. 248+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	18
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				



SEC 17, T 18 N, R 5 E, 3RD PM



SEC 17, T 18 N, R 5 E, 3RD PM

SEC 16, T 18 N, R 5 E, 3RD PM

FILE NAME = J:\2023\03\05 IDOT D5 - PTB 191+010 - W05 - IL 47 Overlay - Phase II\CADD\DATA\CAD\Sheets\05\0951-shd-DrPlan08.dgn
 MODEL = SMOODELS
 PLOT DRIVER = SPLIDRV55



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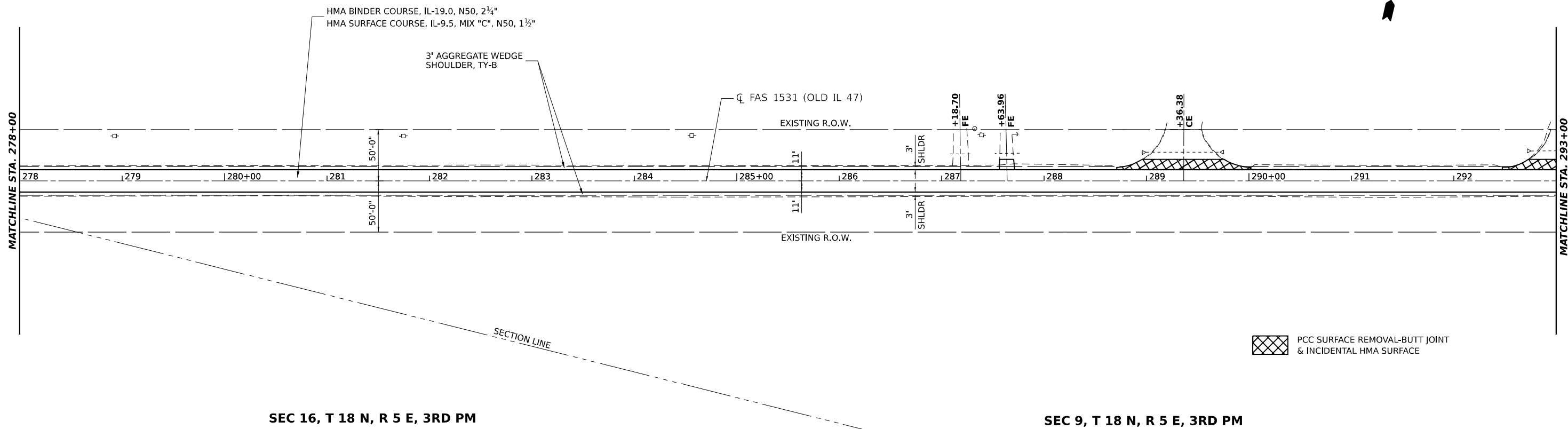
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DATE	-

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REVISED	-

STATE OF ILLINOIS
 DEPARTEMENT OF TRANSPORTATION

OLD IL 47 PLAN SHEETS		
SCALE: 1" = 50'	SHEET NO. 8 OF 10 SHEETS	STA. 248+00 TO STA. 278+00

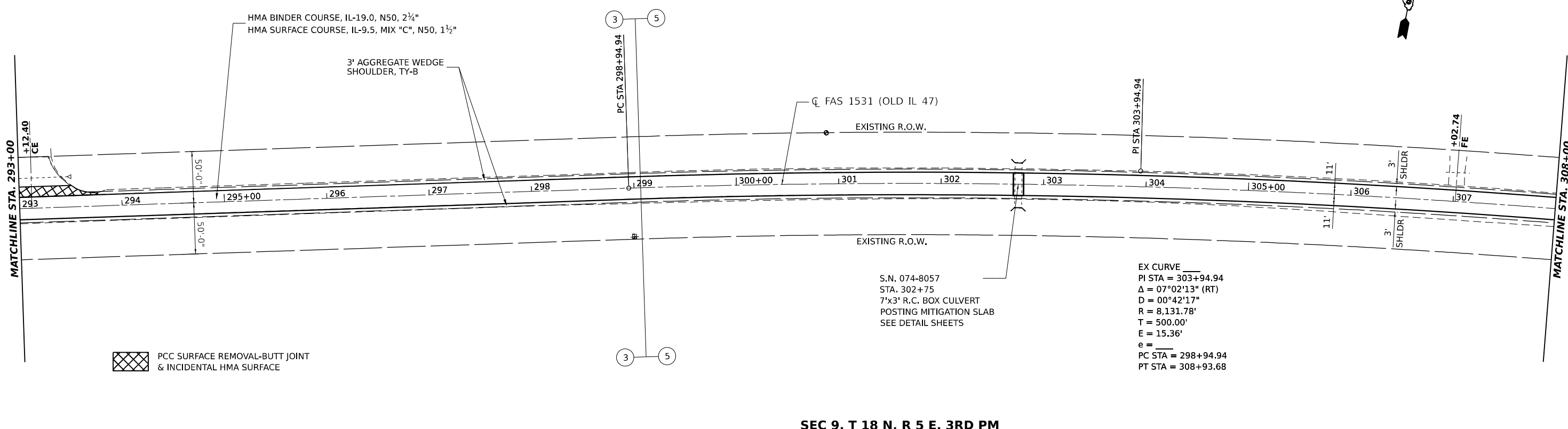
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1531	(10)RS	PIATT	38	19
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				



SEC 16, T 18 N, R 5 E, 3RD PM

SEC 9, T 18 N, R 5 E, 3RD PM

PCC SURFACE REMOVAL-BUTT JOINT & INCIDENTAL HMA SURFACE



SEC 9, T 18 N, R 5 E, 3RD PM

S.N. 074-8057
 STA. 302+75
 7'x3' R.C. BOX CULVERT
 POSTING MITIGATION SLAB
 SEE DETAIL SHEETS

EX CURVE
 PI STA = 303+94.94
 $\Delta = 07^{\circ}02'13"$ (RT)
 $D = 00^{\circ}42'17"$
 $R = 8,131.78'$
 $T = 500.00'$
 $E = 15.36'$
 $e =$
 PC STA = 298+94.94
 PT STA = 308+93.68

PCC SURFACE REMOVAL-BUTT JOINT & INCIDENTAL HMA SURFACE

FILE NAME = J:\2023\05 IDOT D5 - PTB 1914-010 - W05 - IL 47 Overlay - Phase II\CAD\Drawings\05\0951-shd-DbPlan09.dgn
 MODEL = SMOODELS
 PLOT DRIVER = SPLIDRV55

KT KUHN & TRELLO
 CONSULTING ENGINEERS
 A Limited Liability Company
 109 N. 7th Street, 3rd Floor
 Springfield, IL 62701
 Phone: 217-618-0044
 Professional Design Firm No. 184-006516

USER NAME = myoung	DESIGNED - JRS
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PLOT SCALE = 0.16666633 1 / in.	CHECKED - MJT
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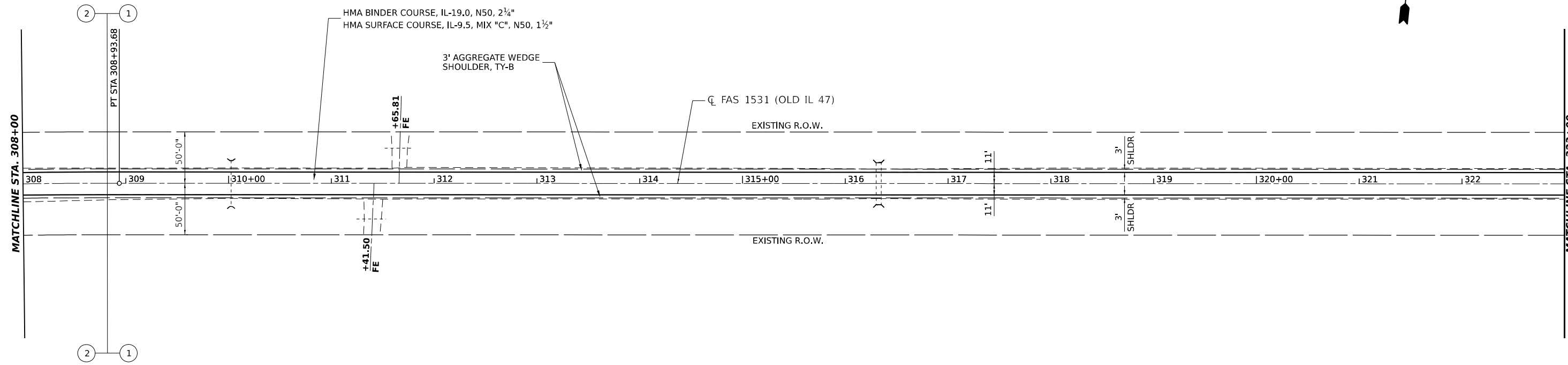
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STATE OF ILLINOIS
 DEPARTEMENT OF TRANSPORTATION

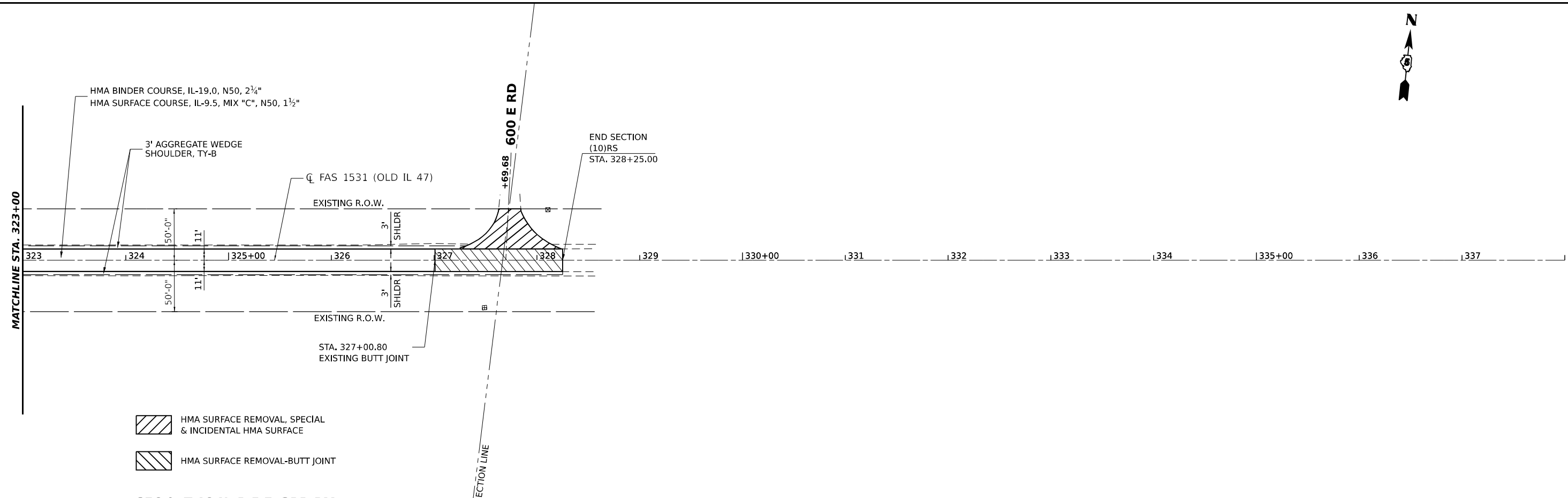
SCALE: 1" = 50'		SHEET NO. 9 OF 10 SHEETS		STA. 278+00 TO STA. 308+00	
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OLD IL 47
 PLAN SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	20
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				



SEC 9, T 18 N, R 5 E, 3RD PM



SEC 10, T 18 N, R 5 E, 3RD PM

- HMA SURFACE REMOVAL, SPECIAL & INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL-BUTT JOINT

SEC 9, T 18 N, R 5 E, 3RD PM

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 PLOT DRIVER = SPLIDRV55

KT KUHN & TRELLO
 CONSULTING ENGINEERS
 A Limited Liability Company
 309 N. 7th Street, 3rd Floor
 Springfield, IL 62701
 Phone: 217-618-0044
 Professional Design Firm No. 184-006516

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DATE	-

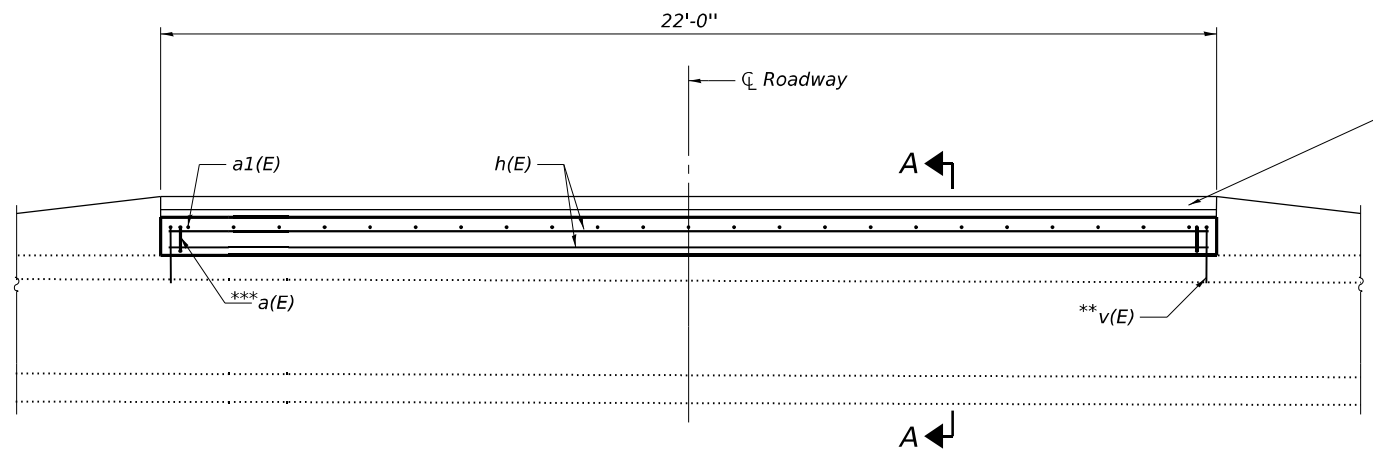
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

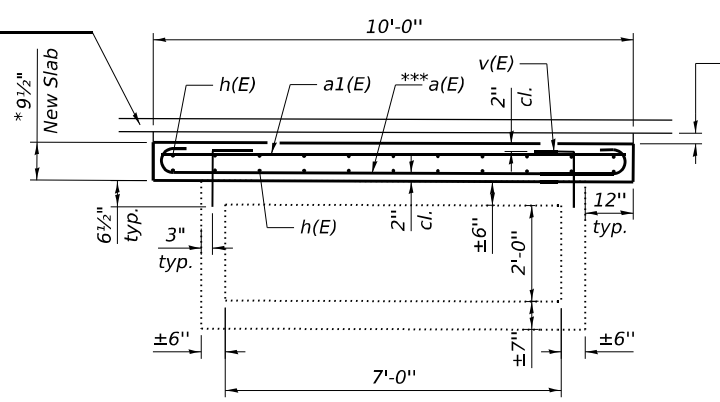
OLD IL 47
PLAN SHEETS

SCALE: 1" = 50' SHEET NO. 10 OF 10 SHEETS STA. 308+00 TO STA. 338+00

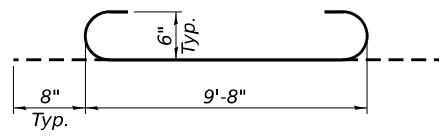
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				



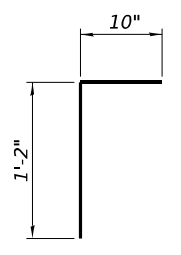
LONGITUDINAL SECTION



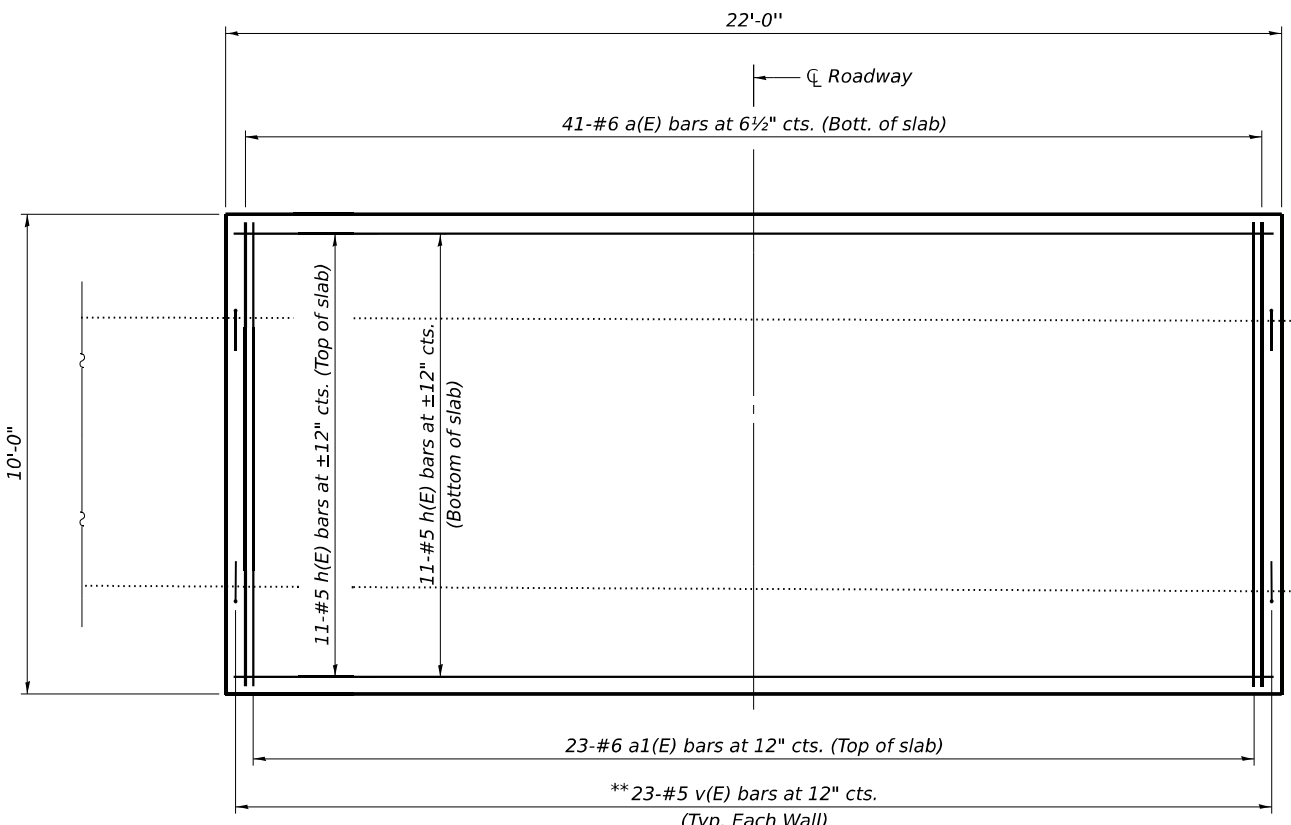
SECTION A-A



a(E) BAR



v(E) BAR



PLAN

- * Remove 9" of existing P.C.C. pavement and any sub-base material necessary to expose the top of culvert and replace with 9 1/2" concrete. Cost of all removal included with Pavement Removal pay item.
- ** Epoxy grout v(E) bars in accordance with Art. 584 of the Standard Specifications. Cost included with Reinforcement Bars, Epoxy Coated.
- *** Tilt hook of a(E) bars if necessary to maintain clearance.

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. Reinforcement bars designated (E) shall be epoxy coated.

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

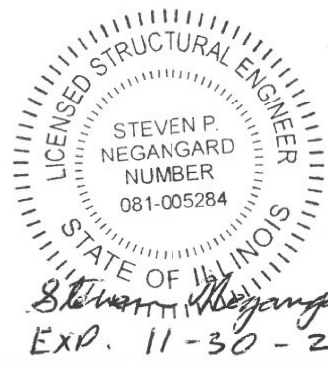
New Construction
2020 AASHTO LRFD Bridge
Design Specifications

DESIGN STRESSES

New Construction
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
Existing Construction
f'c = 3,500 psi
fy = 40,000 psi (Reinforcement)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	41	#6	11'-0"	
a1(E)	23	#5	9'-8"	
h(E)	22	#5	21'-8"	
v(E)	46	#5	2'-0"	
Pavement Removal			Sq. Yd.	24.4
Reinforcement Bars, Epoxy Coated			Pound	1510
Concrete Superstructure			Cu. Yd.	6.5
HMA Binder Course IL-19.0, N50			Ton	2.2



MODEL: Default
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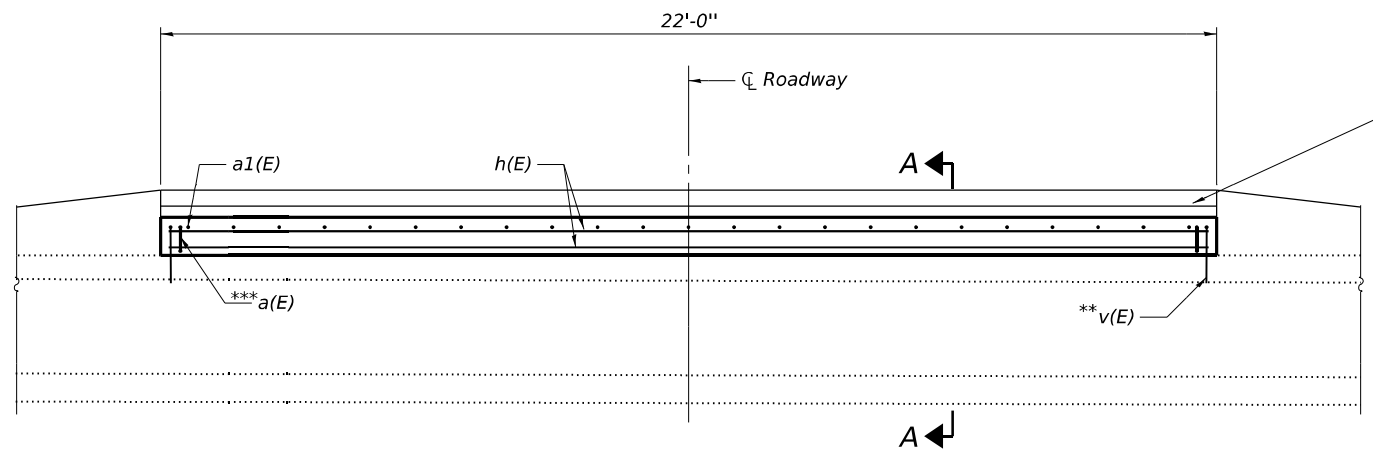
KUHN & TRELLO
 CONSULTING ENGINEERS
 A Limited Liability Company
 109 N. 7th Street, 3rd Floor
 Springfield, IL 62702
 Phone: 217-616-0244
 Professional Design Firm No. 284-006516

USER NAME =	DESIGNED - SPN	REVISED -
PLOT SCALE =	CHECKED - MJT	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

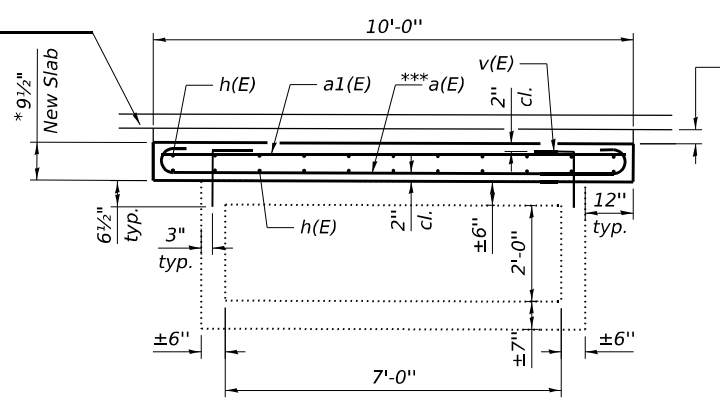
POSTING MITIGATION SLAB DETAILS
 STRUCTURE NO. 074-8609 STA. 121+85
 SHEET 1 OF 1 SHEETS

F.A.S. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	22
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				



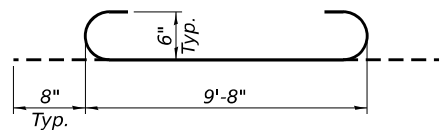
LONGITUDINAL SECTION

3 3/4" Overlay
See Roadway Plans



SECTION A-A

Prop. HMA Binder Course
IL-19.0, N50,
Average depth = 3 7/8"

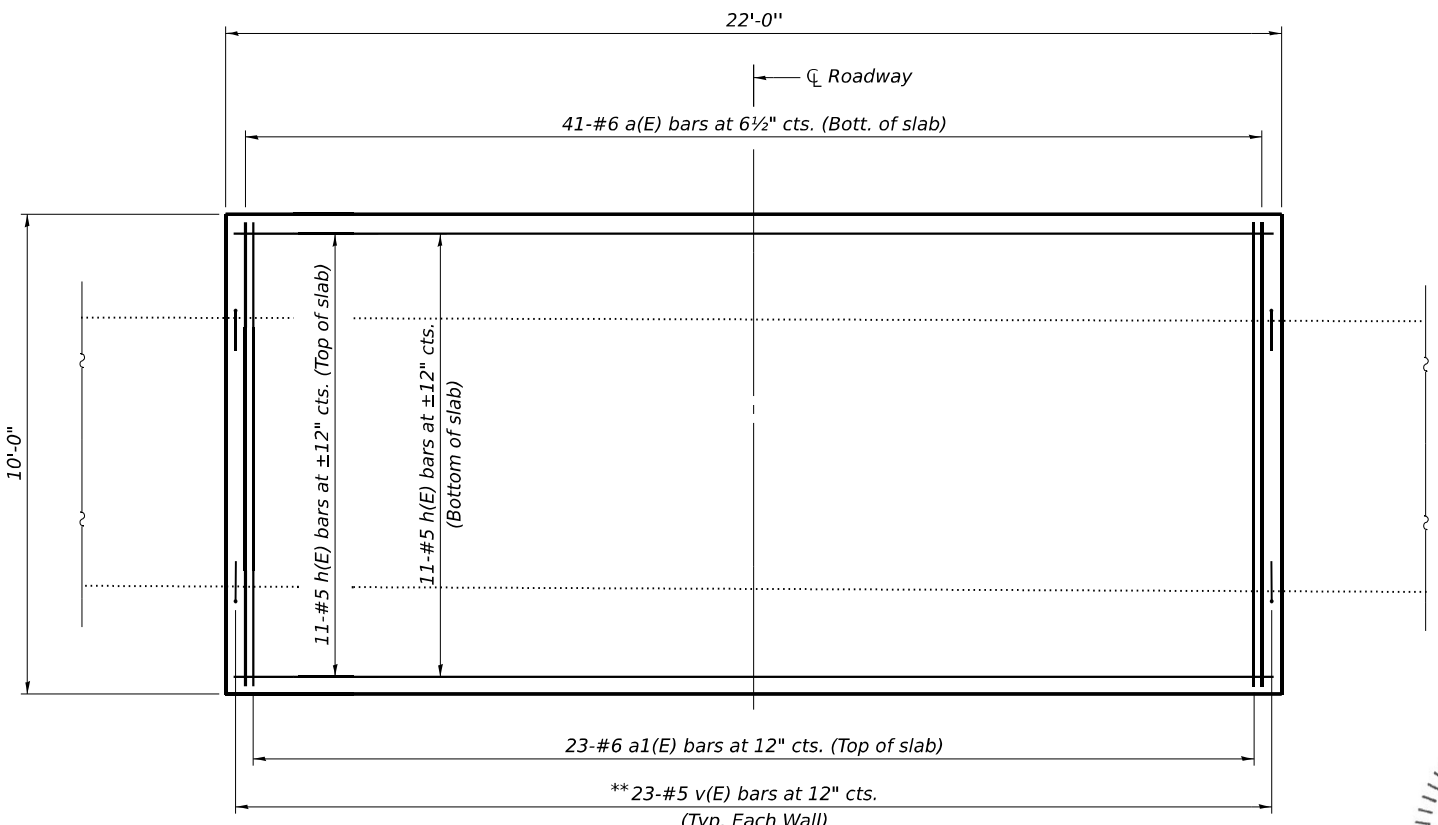


a(E) BAR

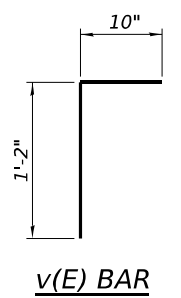
* Remove 9" of existing P.C.C. pavement and any sub-base material necessary to expose the top of culvert and replace with 9 1/2" concrete. Cost of all removal included with Pavement Removal pay item.

** Epoxy grout v(E) bars in accordance with Art. 584 of the Standard Specifications. Cost included with Reinforcement Bars, Epoxy Coated.

*** Tilt hook of a(E) bars if necessary to maintain clearance.



PLAN



v(E) BAR

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. Reinforcement bars designated (E) shall be epoxy coated.

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

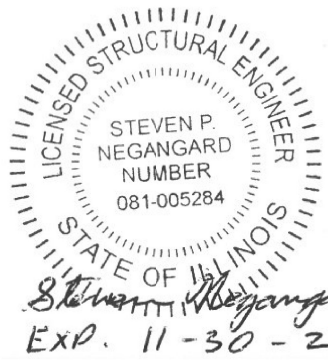
New Construction
2020 AASHTO LRFD Bridge
Design Specifications

DESIGN STRESSES

New Construction
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
Existing Construction
f'c = 3,500 psi
fy = 40,000 psi (Reinforcement)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	41	#6	11'-0"	
a1(E)	23	#5	9'-8"	
h(E)	22	#5	21'-8"	
v(E)	46	#5	2'-0"	
Pavement Removal			Sq. Yd.	24.4
Reinforcement Bars, Epoxy Coated			Pound	1510
Concrete Superstructure			Cu. Yd.	6.5
HMA Binder Course IL-19.0, N50			Ton	5.3



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

POSTING MITIGATION SLAB DETAILS
STRUCTURE NO. 074-8055 STA. 151+35

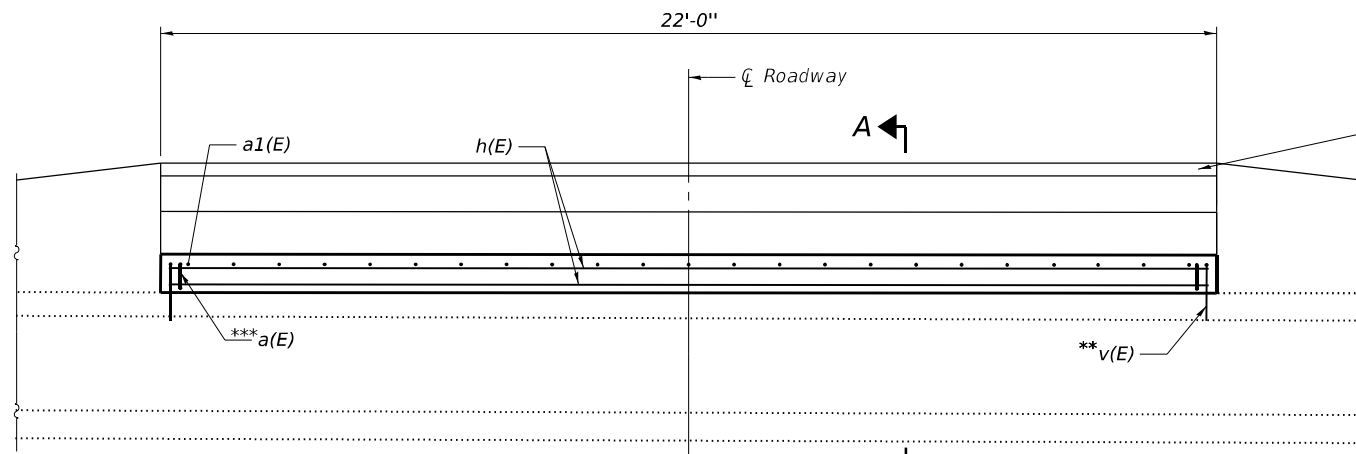
SHEET 1 OF 1 SHEETS

F.A.S. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				

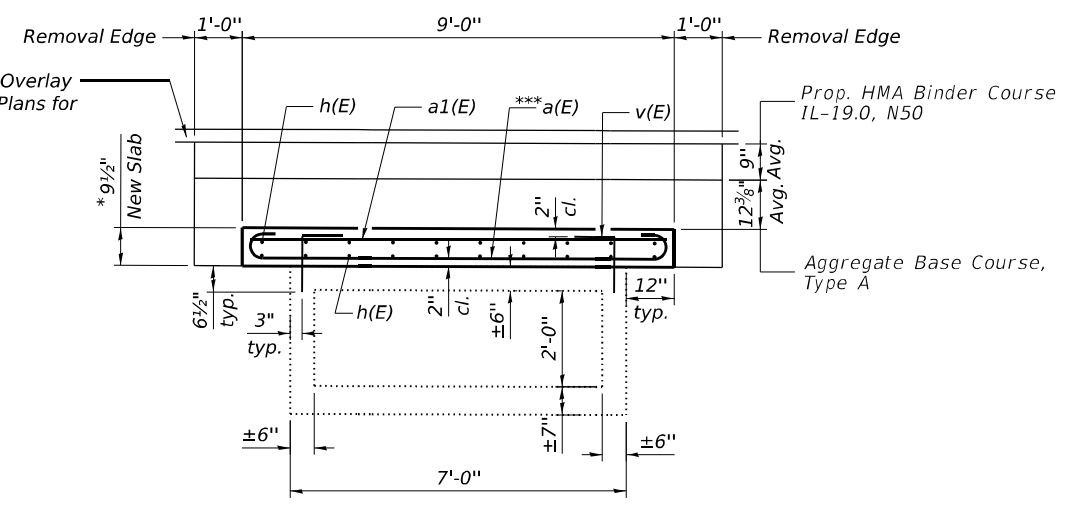
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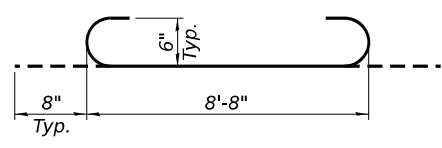
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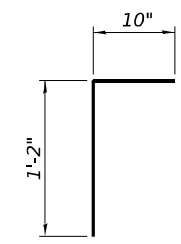
LONGITUDINAL SECTION



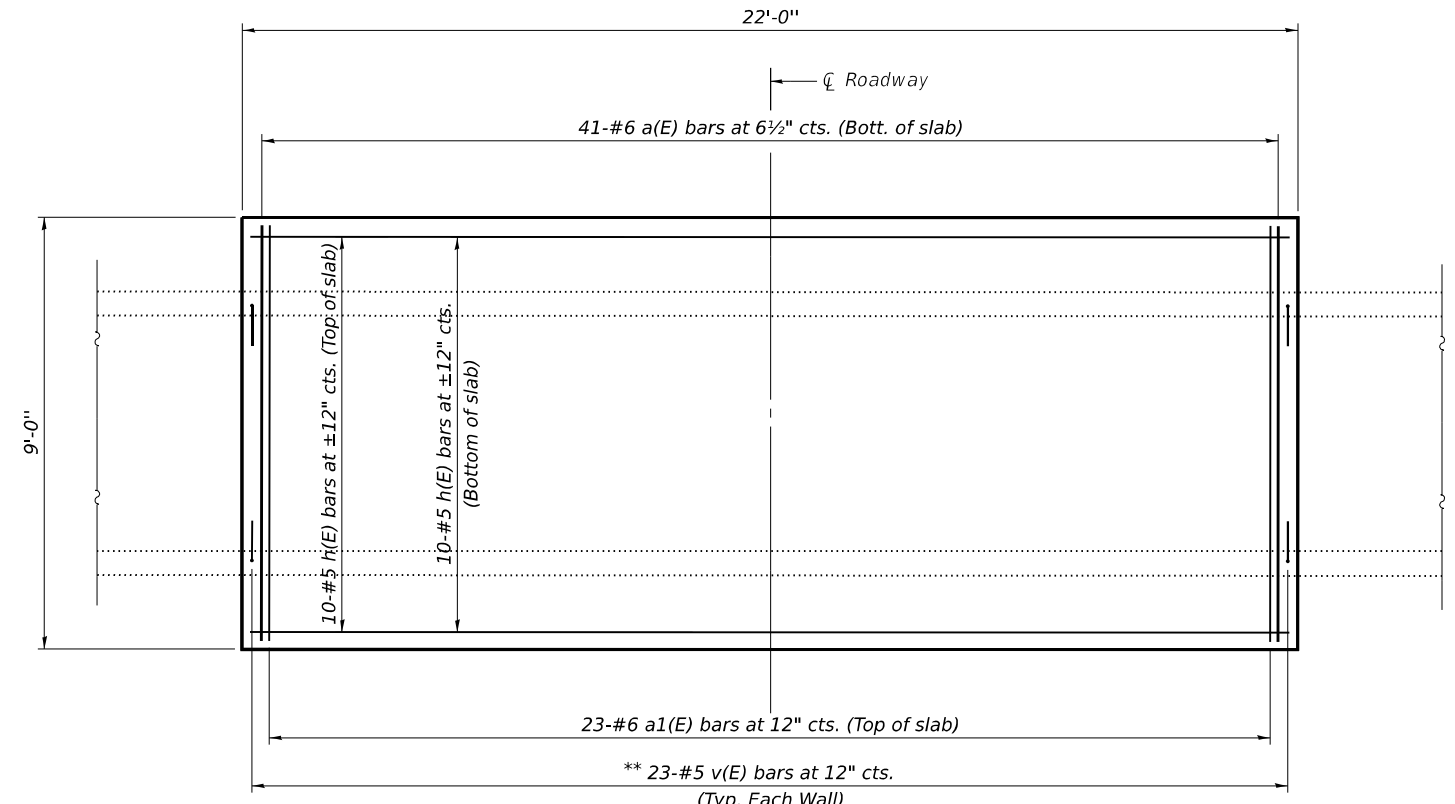
SECTION A-A



a(E) BAR



v(E) BAR



PLAN

* Remove 9" of existing P.C.C. pavement and any sub-base material necessary to expose the top of culvert and replace with 9 1/2" concrete. Cost of all removal included with Pavement Removal pay item.

** Epoxy grout v(E) bars in accordance with Art. 584 of the Standard Specifications. Cost included with Reinforcement Bars, Epoxy Coated.

*** Tilt hook of a bars if necessary to maintain clearance.

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. Reinforcement bars designated (E) shall be epoxy coated.

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

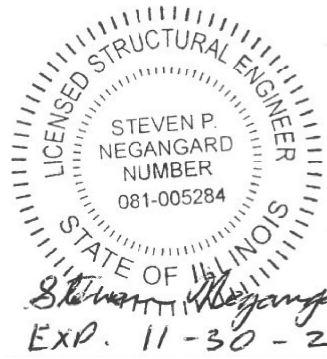
New Construction
2020 AASHTO LRFD Bridge Design Specifications

DESIGN STRESSES

New Construction
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
Existing Construction
f'c = 3,500 psi
fy = 40,000 psi (Reinforcement)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	41	#6	10'-0"	
a1(E)	23	#5	8'-8"	
h(E)	20	#5	21'-8"	
v(E)	46	#5	2'-0"	
			Sq. Yd.	26.9
Pavement Removal				
Reinforcement Bars, Epoxy Coated			Pound	1380
Concrete Superstructure			Cu. Yd.	5.8
HMA Binder Course IL-19.0, N50			Ton	13.6
Aggregate Base Course, Type A			Ton	19.0



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

POSTING MITIGATION SLAB DETAILS
STRUCTURE NO. 074-8056 STA. 186+90

SHEET 1 OF 1 SHEETS

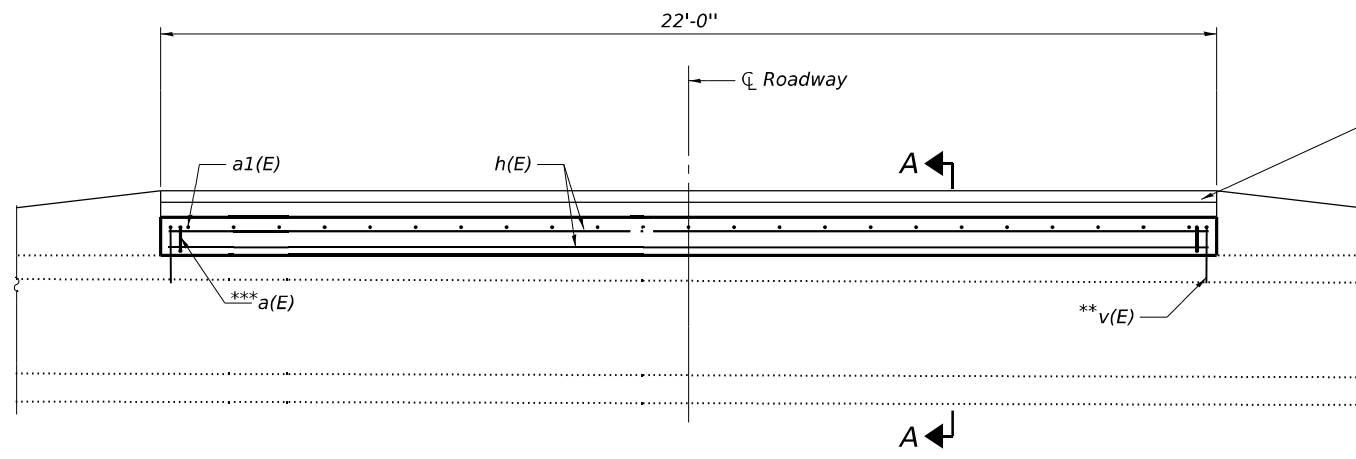
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1531	(10)RS	PIATT	38	24
CONTRACT NO. 70951				

ILLINOIS FED. AID PROJECT

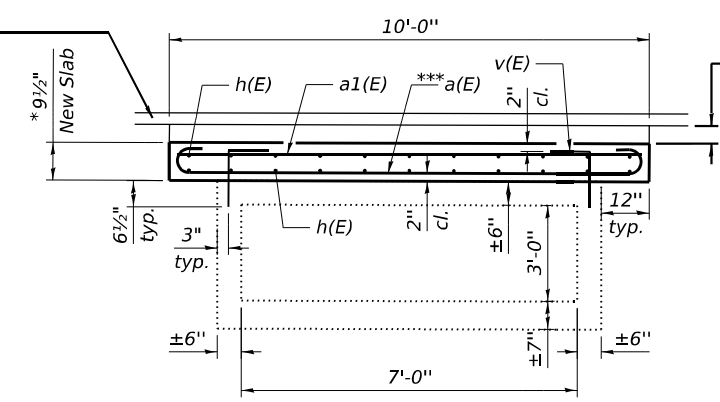
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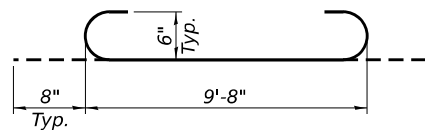
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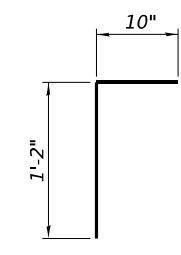
LONGITUDINAL SECTION



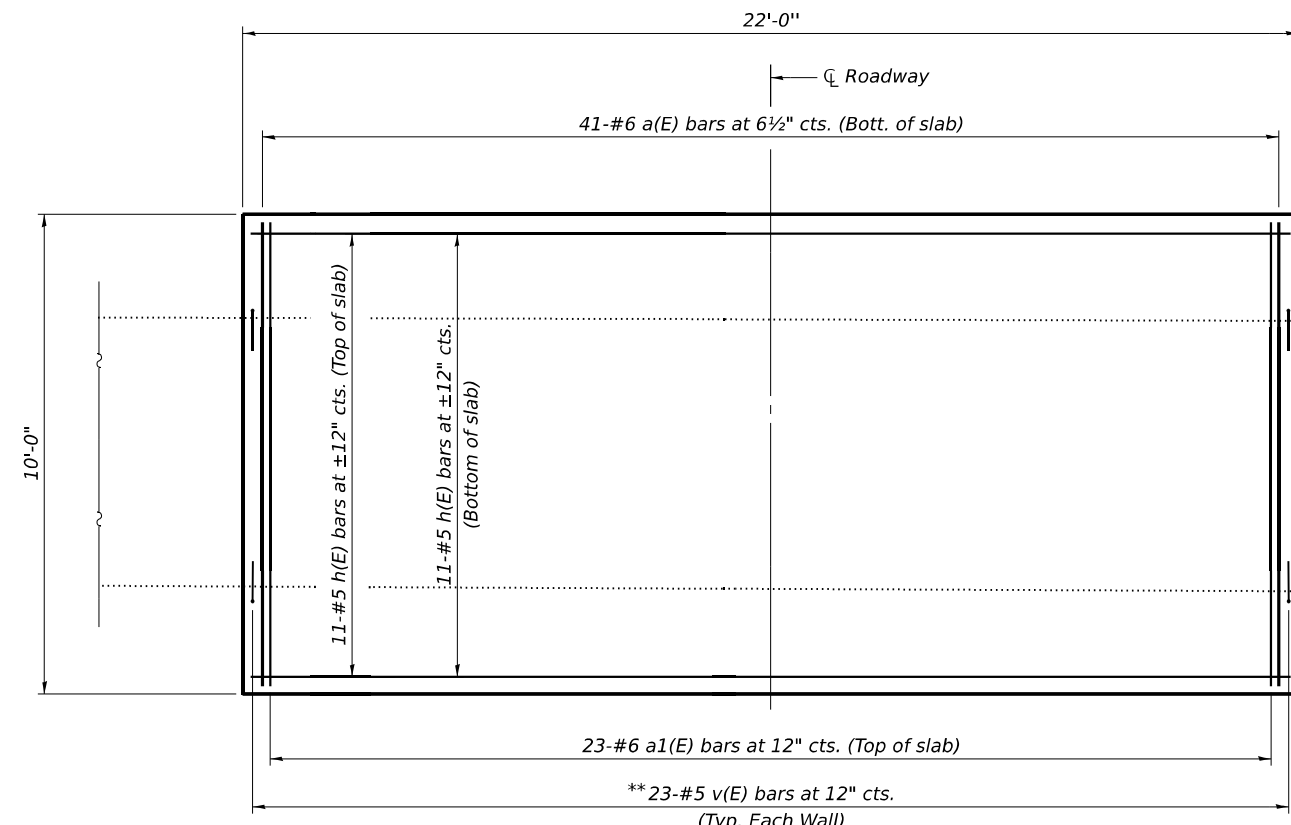
SECTION A-A



a(E) BAR



v(E) BAR



PLAN

- * Remove 9" of existing P.C.C. pavement and any sub-base material necessary to expose the top of culvert and replace with 9 1/2" concrete. Cost of all removal included with Pavement Removal pay item.
- ** Epoxy grout v(E) bars in accordance with Art. 584 of the Standard Specifications. Cost included with Reinforcement Bars, Epoxy Coated.
- *** Tilt hook of a(E) bars if necessary to maintain clearance.

GENERAL NOTES

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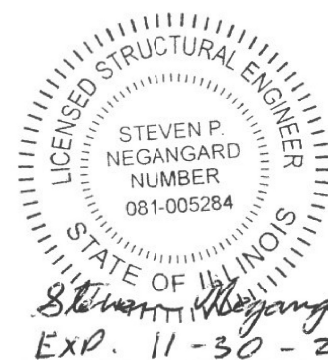
LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
New Construction
2020 AASHTO LRFD Bridge
Design Specifications

DESIGN STRESSES
New Construction
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
Existing Construction
f'c = 3,500 psi
fy = 40,000 psi (Reinforcement)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	41	#6	11'-0"	
a1(E)	23	#5	9'-8"	
h(E)	22	#5	21'-8"	
v(E)	46	#5	2'-0"	
Pavement Removal			Sq. Yd.	24.4
Reinforcement Bars, Epoxy Coated			Pound	1510
Concrete Superstructure			Cu. Yd.	6.5
HMA Binder Course IL-19.0, N50			Ton	6.0



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

POSTING MITIGATION SLAB DETAILS
STRUCTURE NO. 074-8057 STA. 302+75

SHEET 1 OF 1 SHEETS

F.A.S. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	25
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				

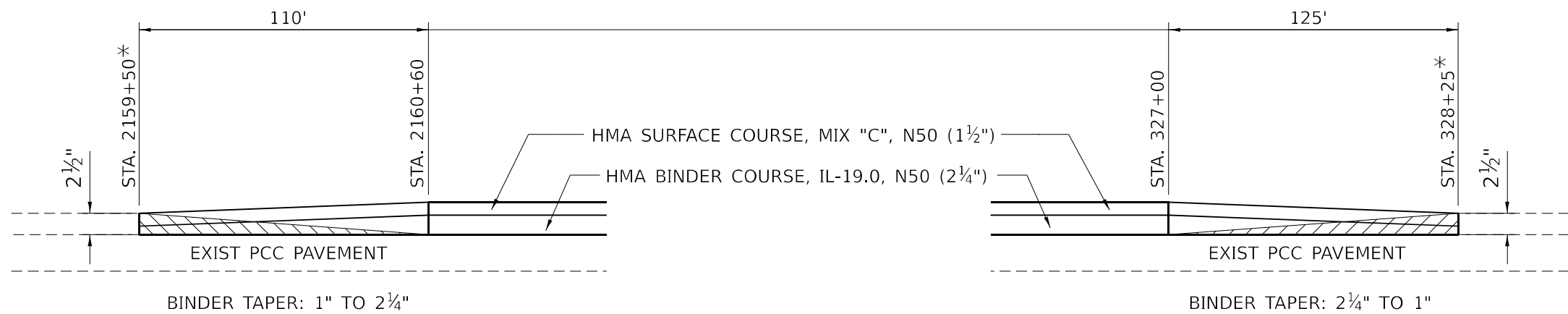
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PLOT DATE =	DRAWN - MMY	REVISED -
	CHECKED - SPN/MJT	REVISED -

BUTT-JOINT AT BEGINNING OF PROJECT

BUTT-JOINT AT END OF PROJECT



 HMA SURFACE REMOVAL-BUTT JOINT

* BASED ON EXISTING AS BUILT PLANS, STATION 2159+50 & 328+25 SHOULD BE THE APPROXIMATE LOCATION WHERE THE EXISTING HMA RESURFACING REACHES A THICKNESS OF 2½". THIS LOCATION MAY CHANGE ONCE THE EXISTING RESURFACING HAS BEEN REMOVED. IT IS THE INTENT TO END THIS PROJECT AT THE POINT WHERE THE 2½" REMOVAL IS ATTAINED OR AS DIRECTED BY THE ENGINEER

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 MODEL = \$MODELS
 PLOT DRIVER = \$PLTDV55

KT **KUHN & TRELLO**
 CONSULTING ENGINEERS
 A Limited Liability Company
 100 N. 7th Street, 3rd Floor
 Springfield, IL 62702
 Phone: 217-616-0044
 Professional Design Firm No. 284-006516

USER NAME = myoung	DESIGNED - JS	REVISED -
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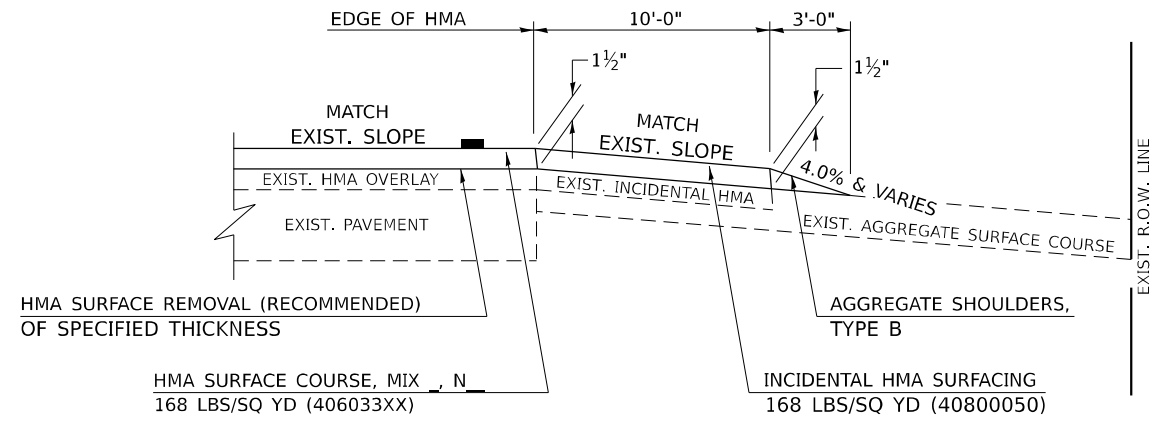
STATE OF ILLINOIS
DEPARTEMENT OF TRANSPORTATION

BUTT JOINT DETAILS	
SCALE:	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

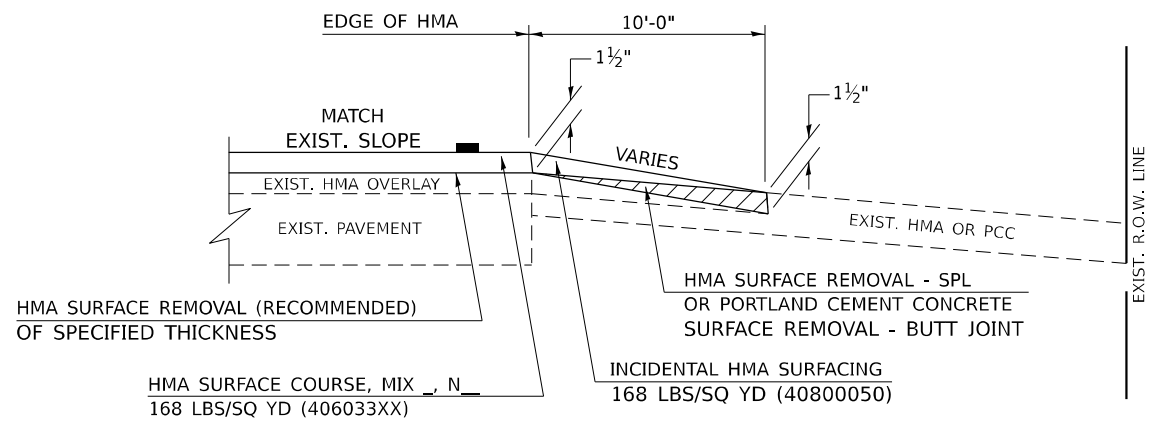
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	26
CONTRACT NO. 70951			ILLINOIS FED. AID PROJECT	

PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.03; 1½")

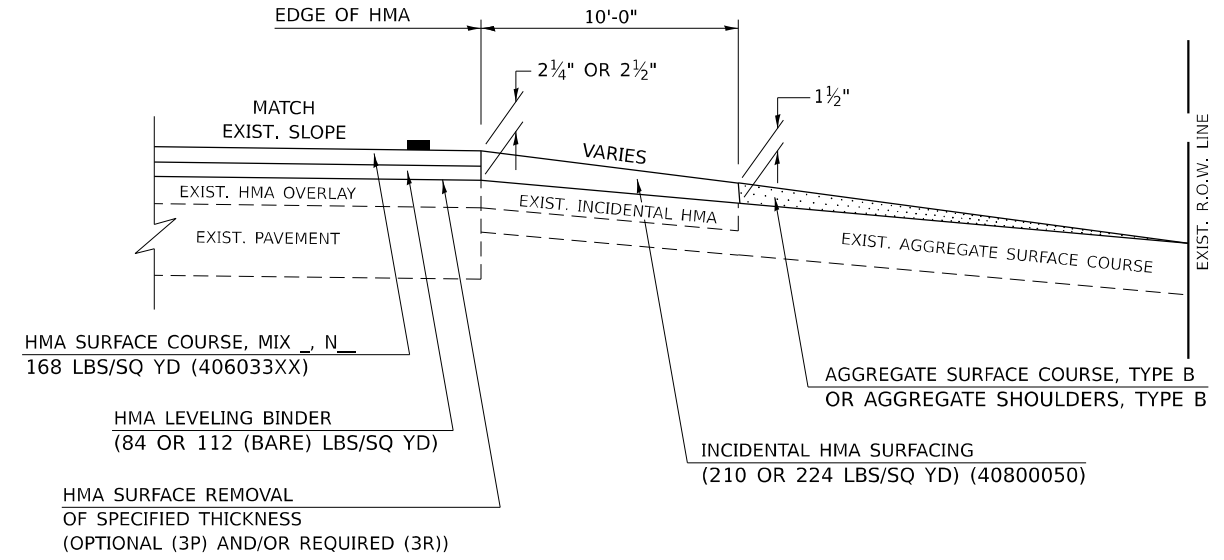


EXISTING AGGREGATE ENTRANCE

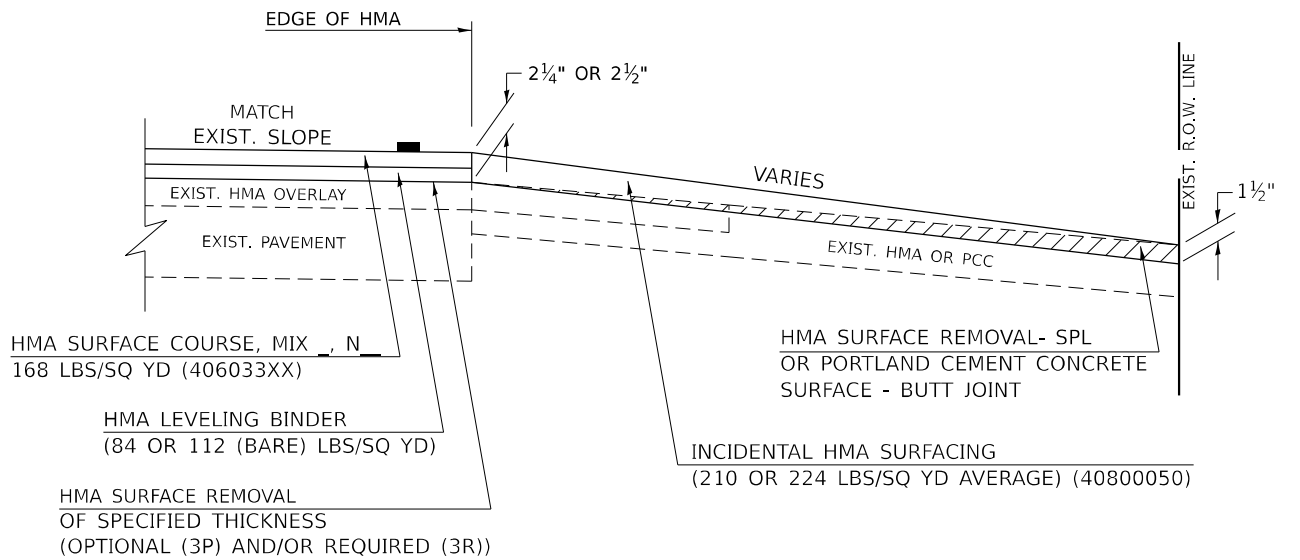


EXISTING HMA OR PCC ENTRANCE

"3P" OR "3R" IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.02; 2¼" OR 2½" ON BARE CONCRETE)



EXISTING AGGREGATE ENTRANCE



EXISTING HMA OR PCC ENTRANCE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

MODEL Path: \\P:\2020\03\05 IDOT D5 - PTB 194-000 - V05 - IL 47 Overlay - Phase II\CAD\Draws\CAD\Sheet1\051095-1-2h-detail.dgn
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USER NAME = myoung	DESIGNED -	REVISD - 09/07 KAG
PLOT SCALE = 2,000' / in.	DRAWN -	REVISD - 05/08 KJT
PLOT DATE = 12/16/2021	CHECKED -	REVISD - 04/10 KJT
	DATE -	REVISD - 3/6/17 SWN

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PRIVATE COMMERCIAL ENTRANCES
(NONCOMMERCIAL AND COMMERCIAL RURAL)**

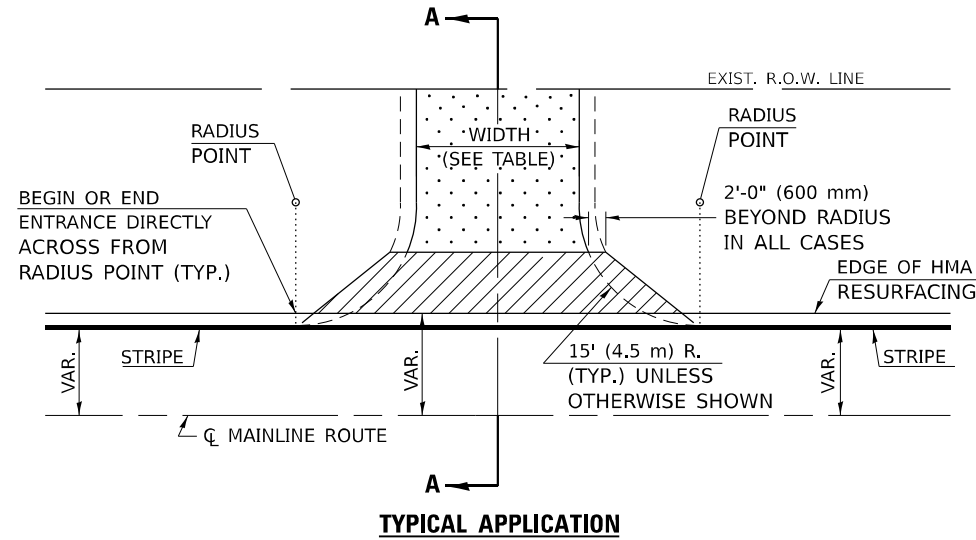
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DISTRICT 5 DETAIL NO. 4080050C

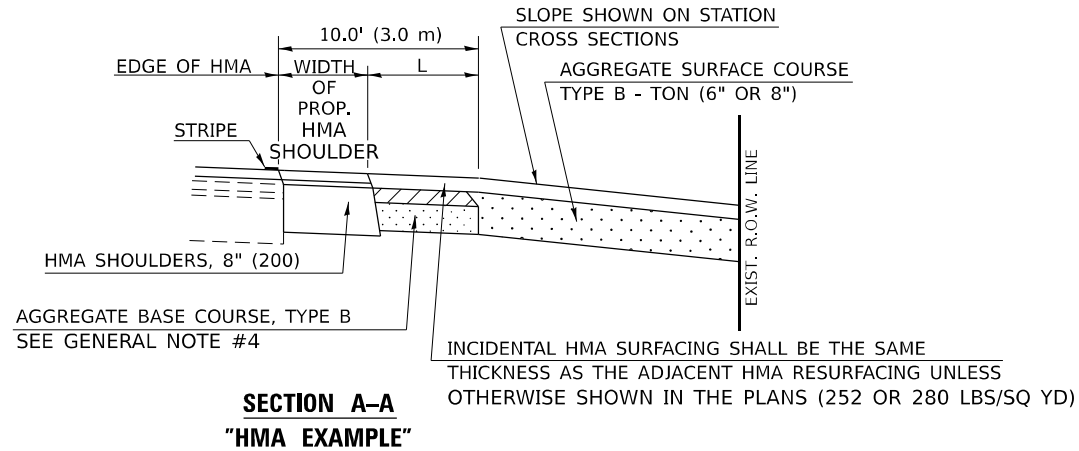
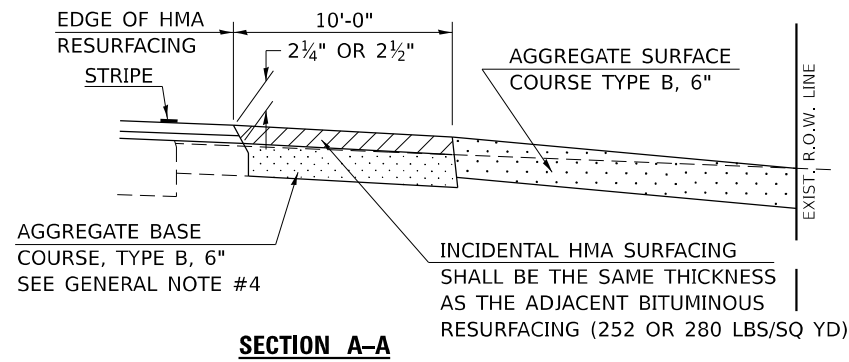
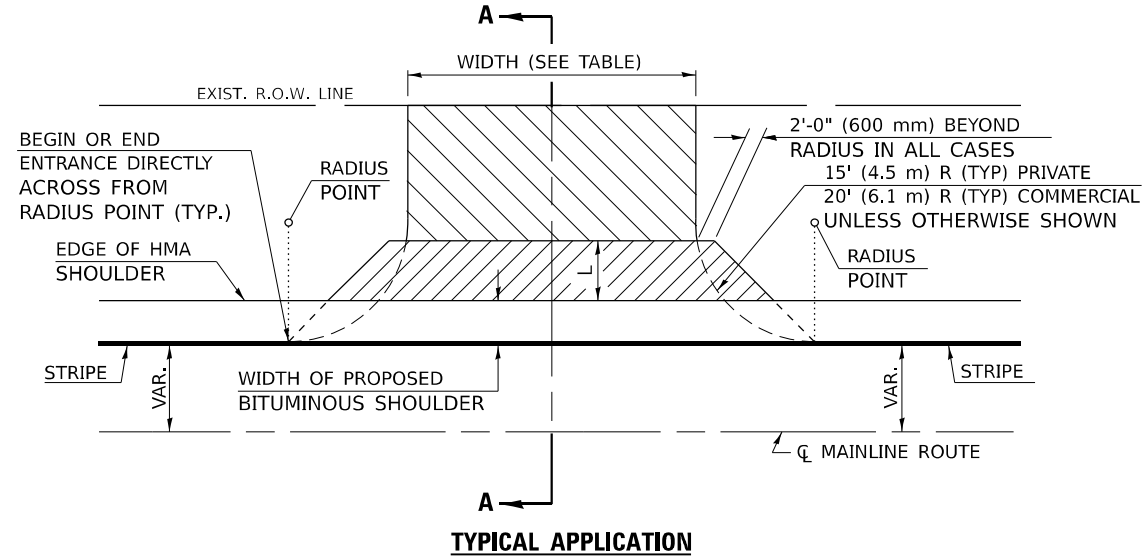
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	27
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				

PROJECTS WITH RECONSTRUCTION

AGGREGATE ENTRANCE (3R IMPROVEMENTS)



HMA OR PCC ENTRANCE



GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
- 5.
6. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
7. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".

TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 ALONG WITH DISTRICT PROJECT IMPLEMENTATION MEMO 104/01 DISCUSS THIS PROCEDURE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)																				
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with CONSTRUCTION										3R w/out RECONSTRUCTION, 3P, SMART & CM									
	NONCOMMERCIAL					COMMERCIAL					NONCOMMERCIAL					COMMERCIAL				
	PRIVATE & FIELD			FIELD W/FARM IMPLEMENTS		COMMERCIAL			COMMERCIAL		PRIVATE & FIELD			COMMERCIAL		COMMERCIAL				
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.			
SURFACE WIDTH (FT)	12	16	24	24	30	1 LANE, 1 WAY			1 LANE, 1 WAY			1 LANE, 1 WAY								
						14	16	24												
RADIUS (FT)	15	25	40	30		2 LANE, 2 WAY			2 LANE, 2 WAY			2 LANE, 2 WAY								
						24	30	35												
SHOULDER WIDTH (FT)	2	2		2		1	3													
SHOULDER SLOPE (%)	2	4	6	4		2	4	6												
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10												
SIDE SLOPE (FT)	1:10	1:6	1:4	1:6	1:4	1:10	1:6	1:4												
SURFACE TYPE																				
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" to minimize aggregate shoulder											
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable, use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02											
PCC DRIVEWAY PAVEMENT (INCH)		6						6 or 8												

MODEL Path: \\... FILE NAME: 10200302_05 IDOT DS - PTB 194-000 - V05 - IL 47 Overdy - Phase II\CAD\Drawings\CAD\Drawings\10200302_05 IDOT DS - PTB 194-000 - V05 - IL 47 Overdy - Phase II\dtdetail.dgn

USER NAME = myoung	DESIGNED -	REVISED - 09/07 KAG
	DRAWN -	REVISED - 05/08 KJT
PLOT SCALE = 2,0000' / in.	CHECKED -	REVISED - 04/10 KJT
PLOT DATE = 12/16/2021	DATE -	REVISED - 3/6/17 SWN

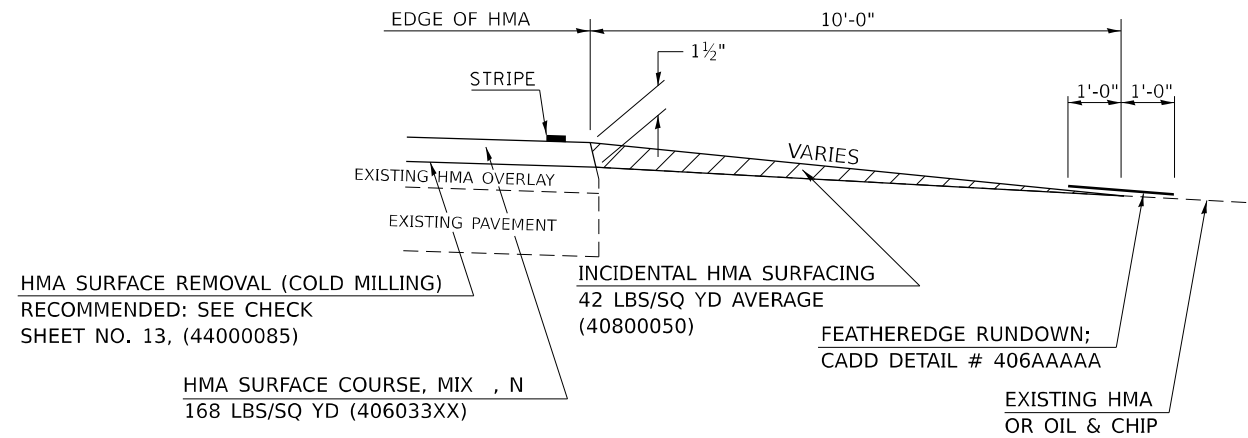
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRIVATE COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)				
SCALE:	SHEET 2	OF 2	SHEETS	STA. TO STA.

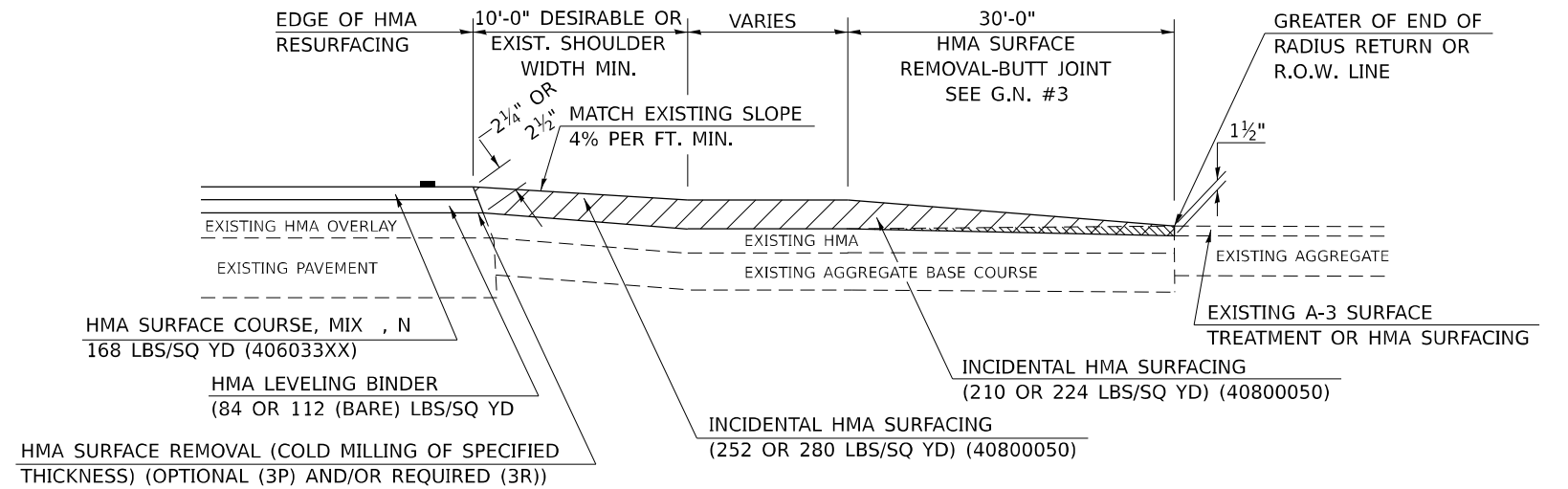
DISTRICT 5 DETAIL NO. 40800050C				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	28
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				

PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS (ALSO CONTRACT MAINTENANCE)



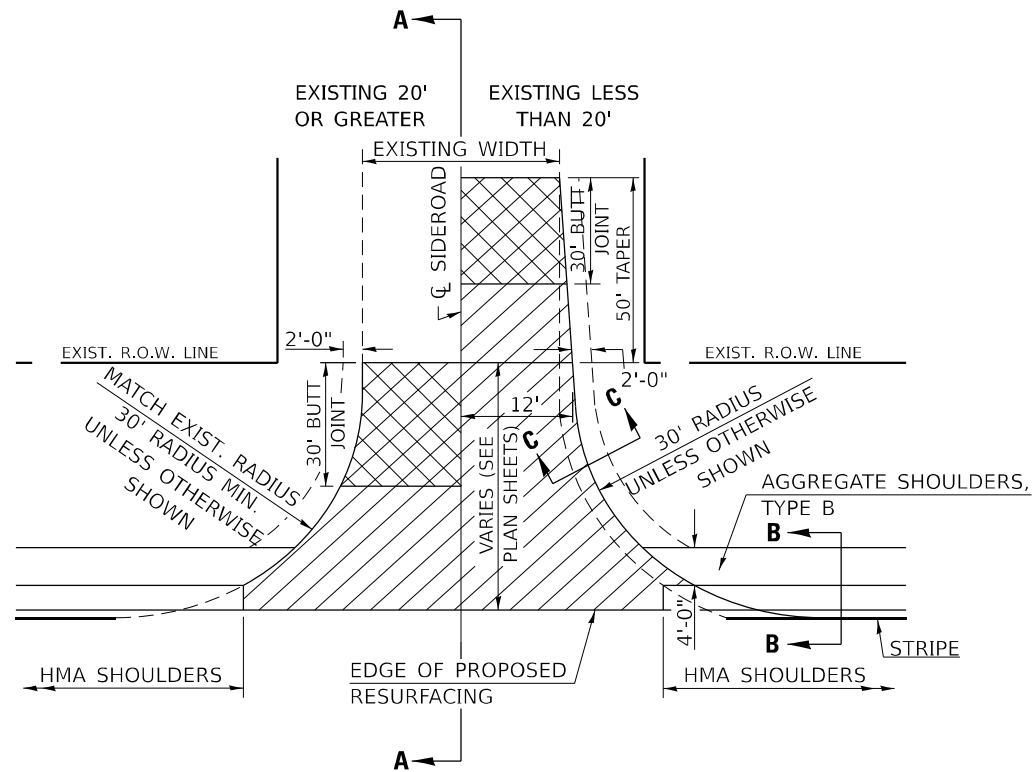
"3P" OR "3R" IMPROVEMENTS



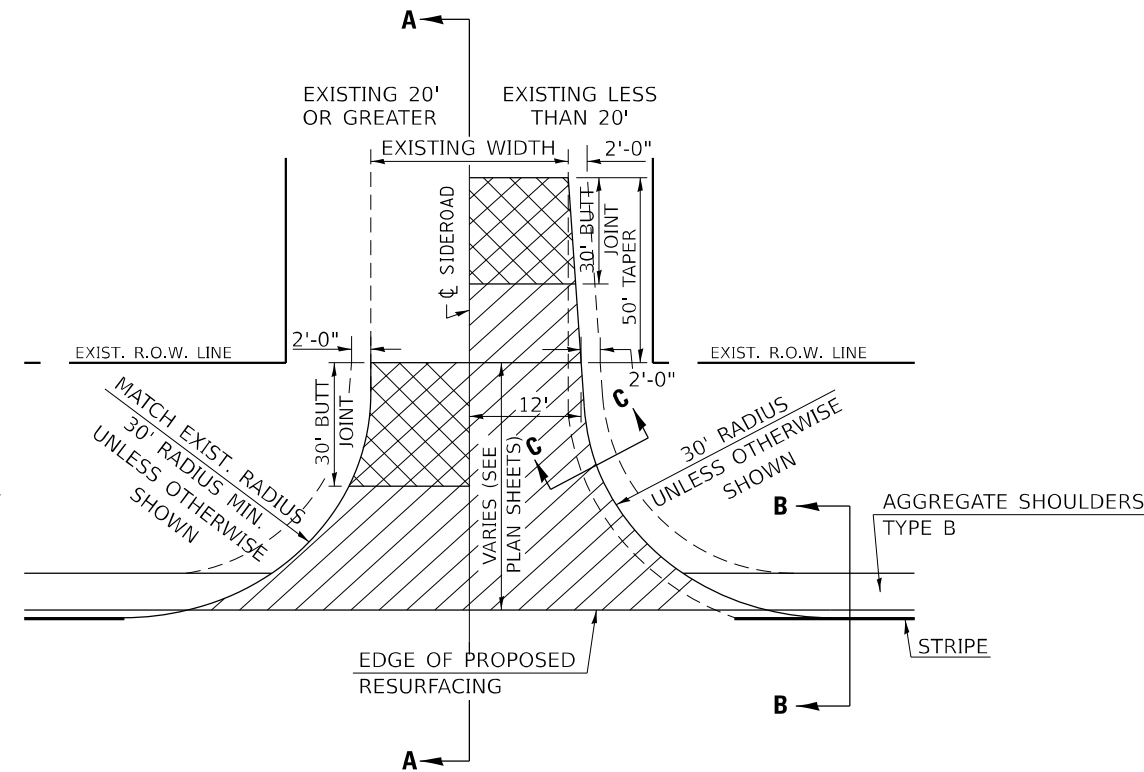
PROJECTS WITH RECONSTRUCTION

("3R" IMPROVEMENTS)

WITH HMA SHOULDER



WITHOUT HMA SHOULDER



GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS
2. PROPOSED SIDEROAD GRADES SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. MAJOR SIDEROAD/SIDESTREETS (>400 ADT) SHALL HAVE "BUTT JOINTS" CONSTRUCTED WHETHER THE EXISTING ENTRANCE IS HMA OR PCC. MINOR SIDEROAD/SIDESTREETS (<400 ADT) SHALL HAVE "FEATHEREDGE RUNDOWNS".
4. AGGREGATE BASE COURSE, TYPE B OF THE THICKNESS SPECIFIED IN THE PLANS 6" MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT 6" EXISTING BASE MATERIAL FOR THE PROPOSED SIDEROAD RETURNS. THIS MATERIAL SHALL BE USED TO WIDEN SIDEROAD RETURNS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' WIDER THAN THE SURFACE DIMENSIONS.
6. AGGREGATE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 4' ALONG MAINLINE TO 2' AT BACK OF RETURN.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 408000AA

USER NAME = myoung	DESIGNED -	REVISED - 12/06 TJB
PLOT SCALE = 2,000' / in.	DRAWN -	REVISED - 09/07 KAG
PLOT DATE = 12/16/2021	CHECKED -	REVISED - 12/09 KJT
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

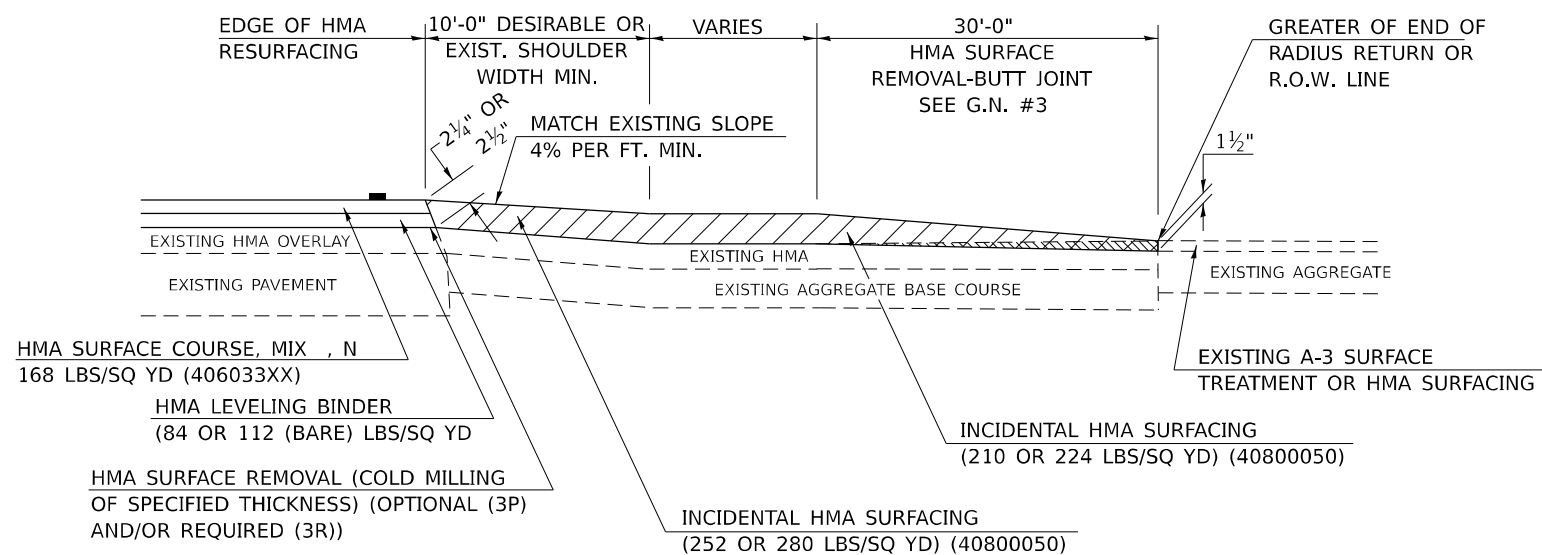
SIDEROAD & SIDESTREETS (RURAL)

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

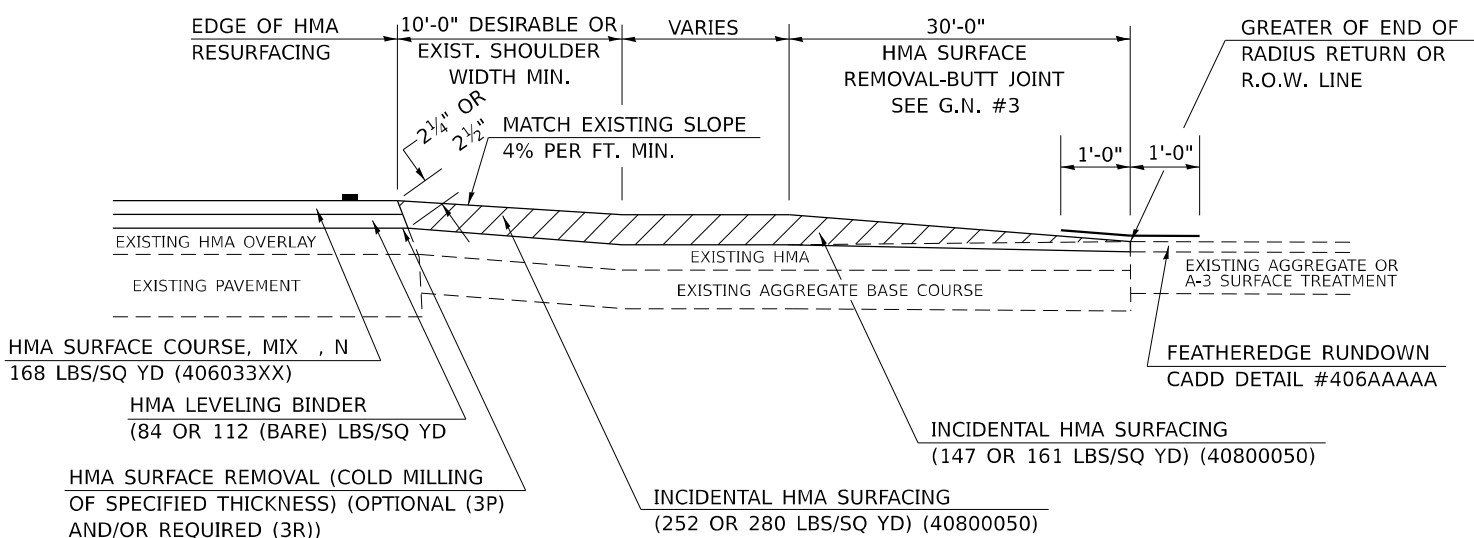
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	29
CONTRACT NO. 70951				

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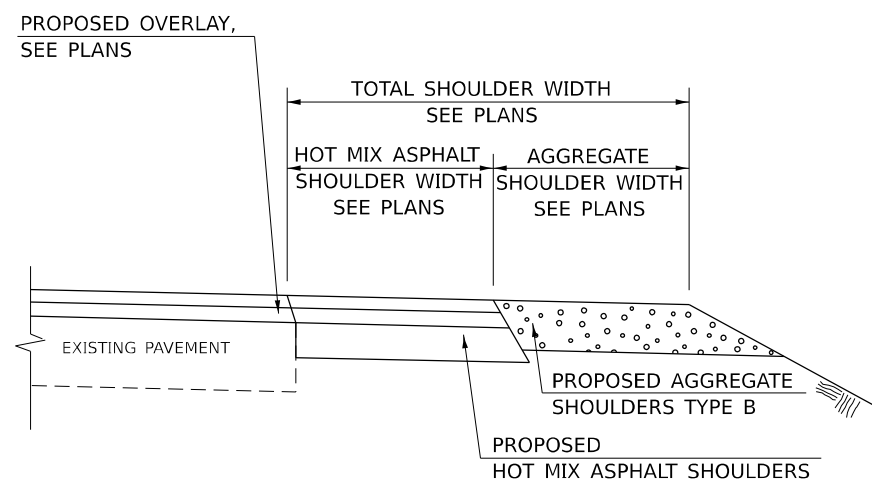
**SECTION A-A
EXISTING HMA OR PCC SIDEROAD (> 400 ADT)**



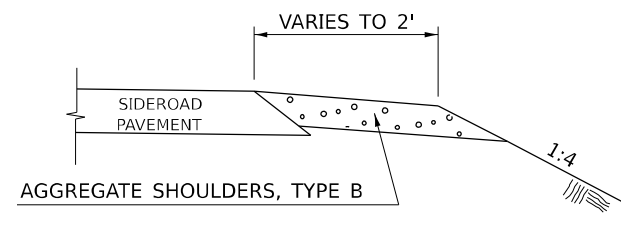
**SECTION A-A
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (< 400 ADT)**



RURAL SIDEROAD DESIGN STANDARDS (PPM 40-06)										
DESIGN ELEMENT	New Construction & 3R (Existing Width Less Than 20 ft)			3R (Existing Width 20 ft or Greater) & 3P			SMART & Contract Maintenance			
	min.	des.	max.	min.	des.	max.	min.	des.	max.	
SURFACE WIDTH (FT); (Measured at end of radius or row line; greatest distance from edge of traveled way)	24	24	Coordinate with Geometrics Engineer	Resurface existing configuration to completion of radius return or row line; greatest distance from edge of traveled way; major sideroads (> 400 adt) shall have "butt joints" constructed whether the entrance is hma or pcc; minor sideroads (< 400 adt) shall have "featheredge" as shown in district cadd detail 406AAAAA						resurface existing configuration with the completion of a 10 ft. featheredge rundown for ALL sideroads as shown in district cadd detail 406AAAAA
RADIUS (FT)	30	30								
SHOULDER WIDTH (FT)	4	8	10							
SHOULDER SLOPE (%)	2	4	12							
ENTRANCE GRADE (%)	1	1 to 4	4							
BREAKOVER (%)	0	5	10							
SIDE SLOPE (FT)	1:10	1:6	1:4							
INTERSECTION ANGLE	60	75 to 90								
SURFACE TYPE										
INCIDENTAL HMA SURFACING (INCH)	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge			
AGGREGATE BASE COURSE, TYPE A (INCH)	8	4		if applicable use item: 35800100 Preparation of Base						
PCC PAVEMENT (INCH)		8								



**SECTION B-B
MAINLINE SHOULDER TREATMENT**



**SECTION C-C
SIDEROAD SHOULDER TREATMENT**

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 408000AA

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEROAD & SIDESTREETS (RURAL)

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	30
CONTRACT NO. 70951				

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

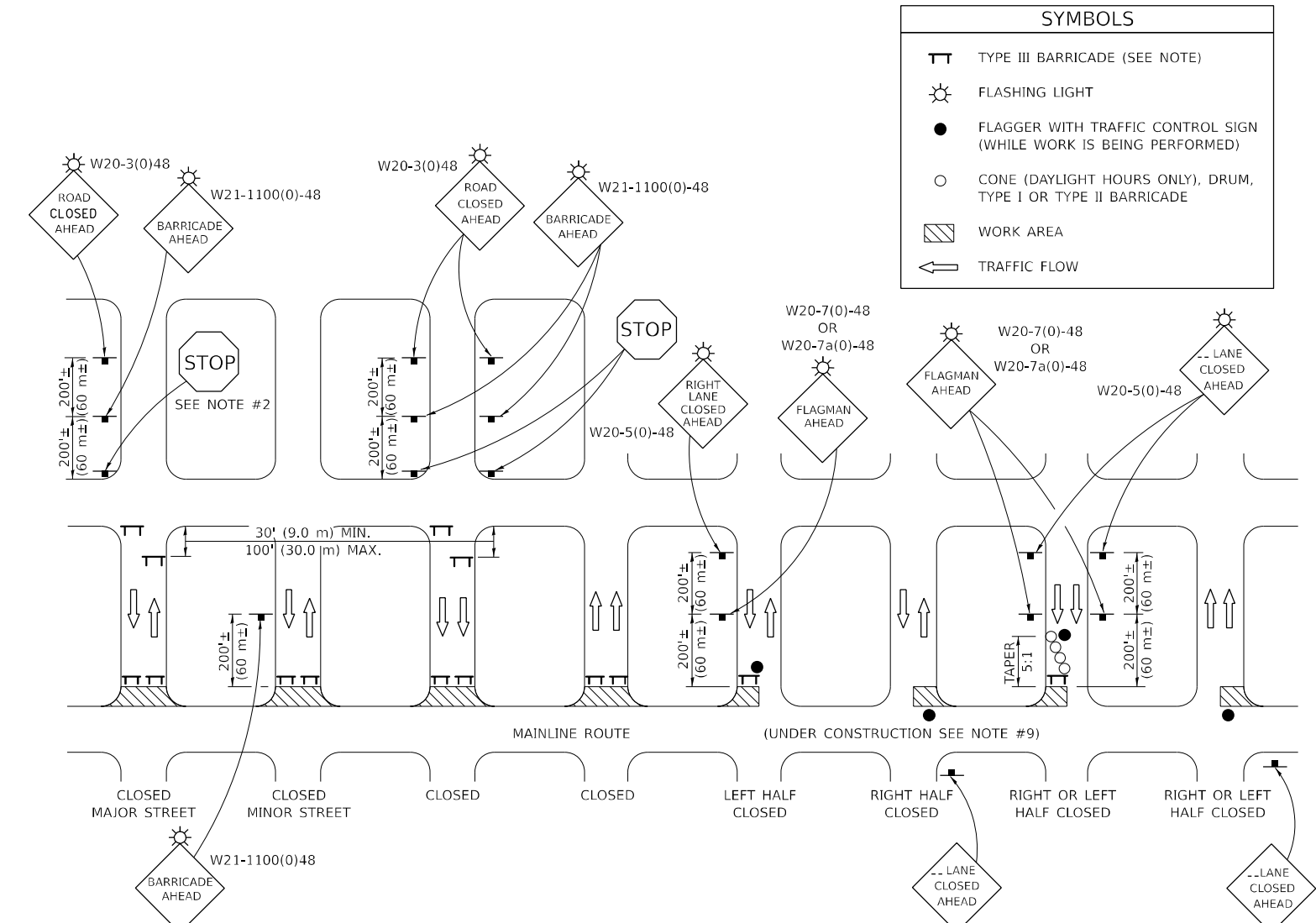
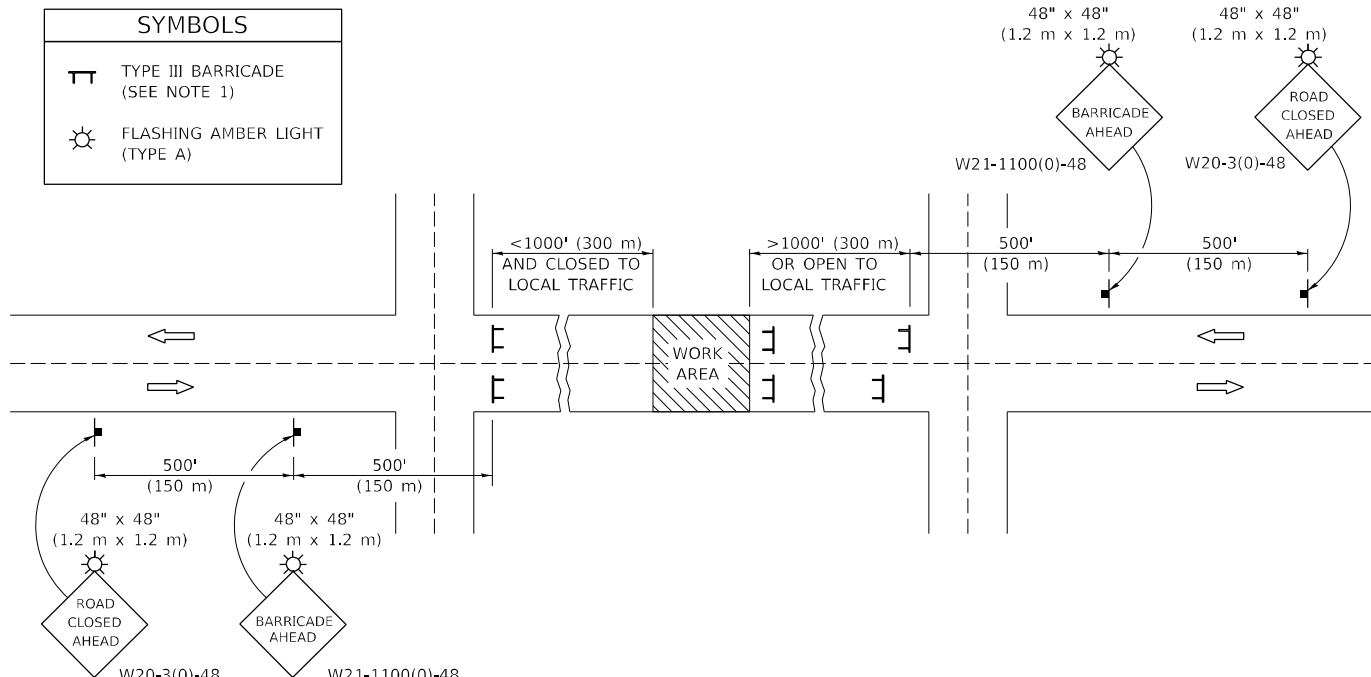
ILLINOIS FED. AID PROJECT

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	DRAWN -	REVISD - 09/07 KAG
PLOT SCALE = 2,000' / in.	CHECKED -	REVISD - 12/09 KJT
PLOT DATE = 12/16/2021	DATE -	REVISD -

ROAD CLOSURE

SIDEROAD / STREET CLOSURE



GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
- WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
- REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TYPE III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT. 725 AND BT. 726 ARE REQUIRED.
- WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
- AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.

GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT 725 AND BT 726 ARE REQUIRED.
- THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
- ALL FLAGGERS REQUIRED AT SIDE ROADS AND ENTRANCES REMAINING OPEN TO TRAFFIC AND/OR ADDITIONAL BARRICADES REQUIRED BY THE ENGINEER TO CLOSE SIDE ROADS AND ENTRANCES WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

MODEL: P:\ref\h... FILE NAME: 20200305 IDOT D5 - PTB 194-000 - W05 - IL 47 Overlay - Phase II\CADD\Draw\Caddsheet\1051095-1-2b-detaile.dgn

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	DRAWN -	REVISED - 12/07
PLOT SCALE = 2,0000' / in.	CHECKED -	REVISED - 09/09 KJT
PLOT DATE = 12/16/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL & PROTECTION DEVICES
(ROAD & SIDEROAD / STREET CLOSURES)**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7020000

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	31
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				

FILE NAME = J:\2023\05 IDOT D5 - PTB 1944-010 - W05 - IL 47 Overlay - Phase II\CADD\atv\CA\Business\0570951-shi-tra.c.dgn
 MODEL = S\MODELS
 PLOT DRIVER = S\PLTDV55



USER NAME = myoung	DESIGNED - JS	REVISED -
FILE NAME = D570951-shi-tra.c.dgn	DRAWN - MMY	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED - MJT	REVISED -
PLOT DATE = 12/16/2021	DATE -	REVISED -

DESIGNED - JS	REVISED -
DRAWN - MMY	REVISED -
CHECKED - MJT	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTEMENT OF TRANSPORTATION**

TRAFFIC CONTROL PLAN - CISCO

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	32
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70951	



Google Earth



FILE NAME = J:\2023\05 IDOT D5 - PTB 1944-010 - W05 - IL 47 Overlay - Phase II\CADD\atc\atc\sheet\0570951-shi-tra.c.dgn
 MODEL = SMOBELLS
 PLOT DRIVER = SPLDRV55



USER NAME = myoung
 FILE NAME = D570951-shi-tra.c.dgn
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 PLOT DATE = 12/16/2021

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 CHECKED - MJT
 DATE -

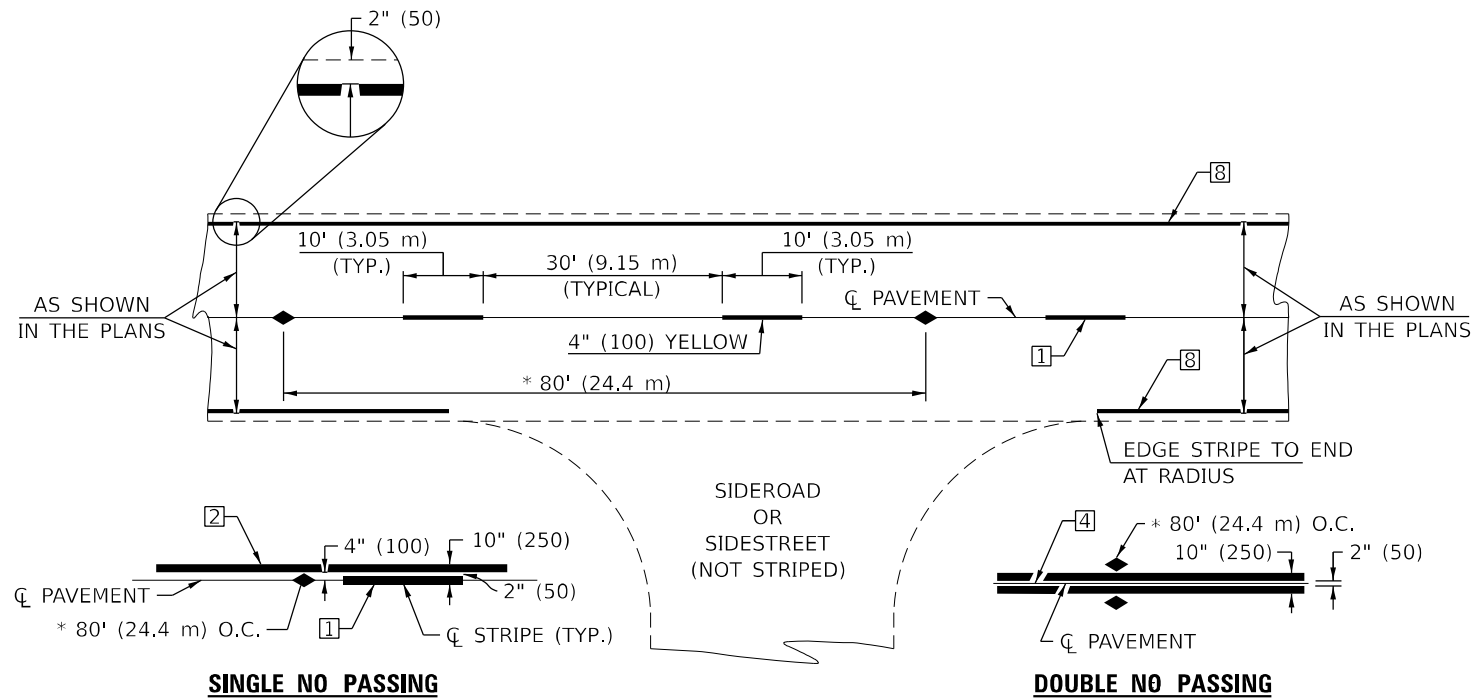
REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL PLAN - MONTICELLO

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	33
CONTRACT NO. 70951			ILLINOIS FED. AID PROJECT	



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

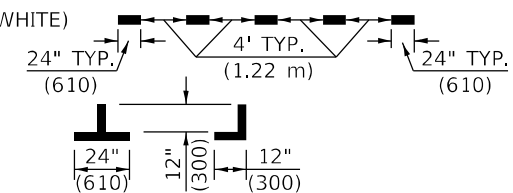
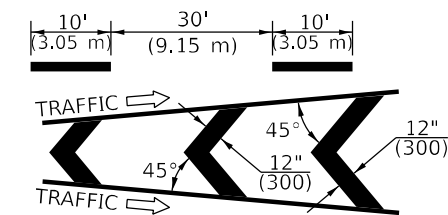
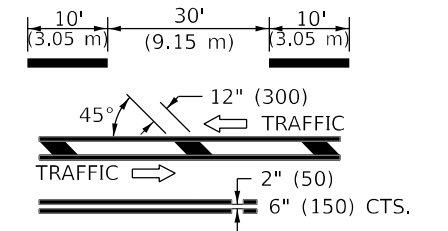
TWO LANE/TWO WAY

TYPICAL PAVEMENT MARKING LEGEND

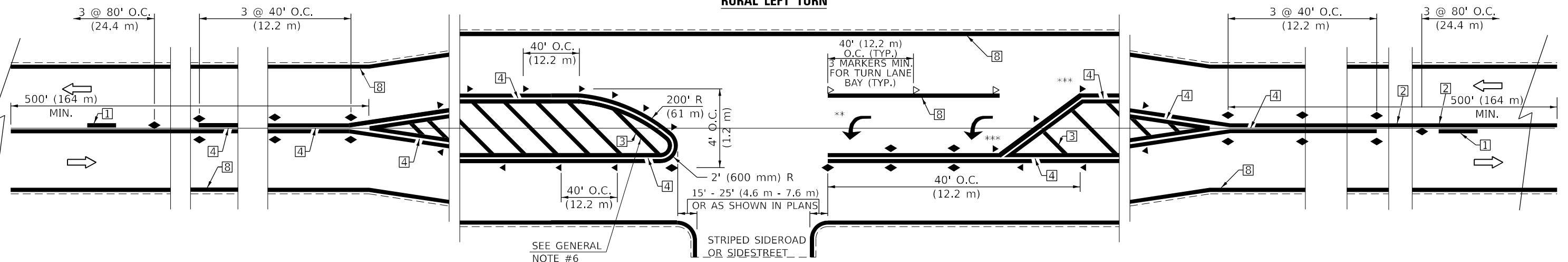
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER



RURAL LEFT TURN



- *** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.
- ** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

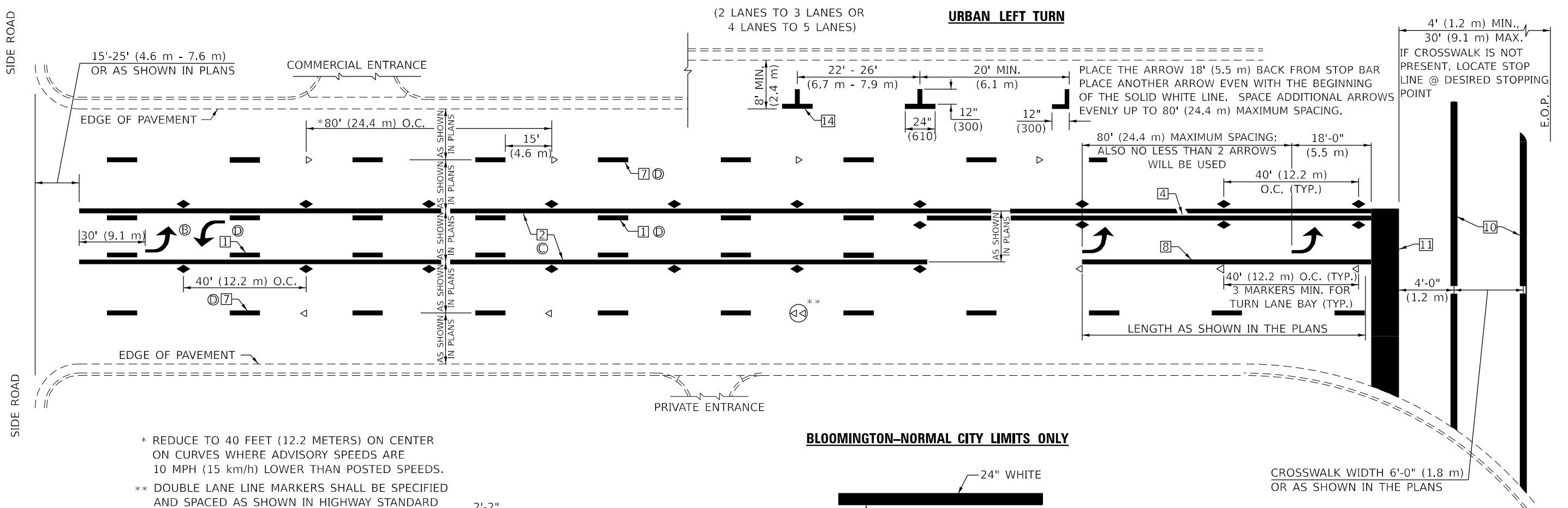
**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

USER NAME = myoung	DESIGNED -	REVISED - 11/06
	DRAWN -	REVISED - 9/2009 KJT
PLOT SCALE = 2,000' / in.	CHECKED -	REVISED - 04/14 JLA
PLOT DATE = 12/16/2021	DATE -	REVISED - 3/2019 SWN

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	34
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				

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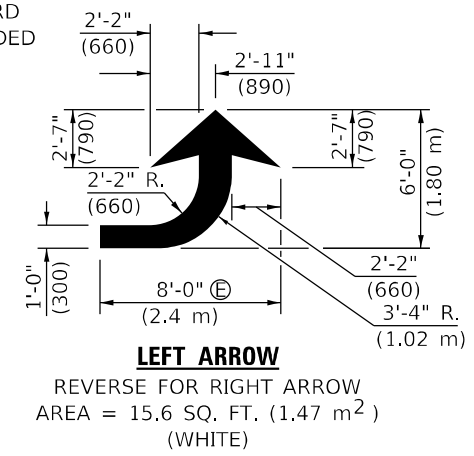


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

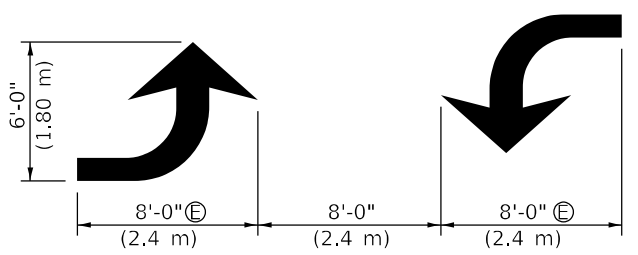
GENERAL NOTES:

- Ⓑ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
- Ⓒ THE SOLID YELLOW PAVEMENT MARKINGS [] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- Ⓓ THE SKIP-DASH PAVEMENT MARKINGS [] OR [] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
- Ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)

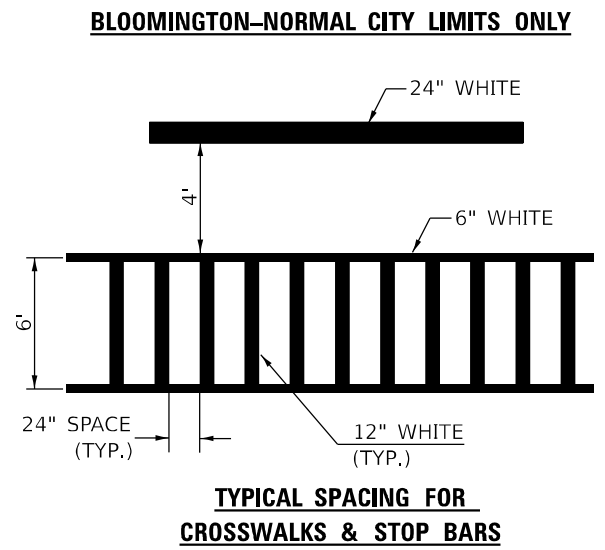


LEFT ARROW

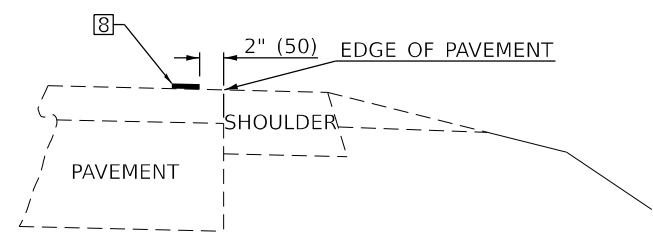
REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)



TYPICAL DOUBLE TURN ARROWS (WHITE)

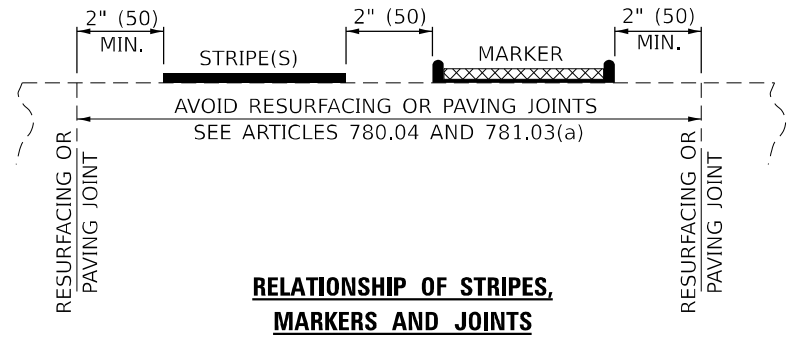


TYPICAL SPACING FOR CROSSWALKS & STOP BARS



RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT

(SAFETY SHOULDER OR PAVED SURFACE)
SEE ARTICLE 780.04



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

MODEL Path: \\s01\p01\2020\03\05 IDOT DS - RTB 19x0400 - V05 - IL 47 Overlay - Phase III\CAD\Drawings\CAD\Sheet1\051095-1-ar-detail.dgn

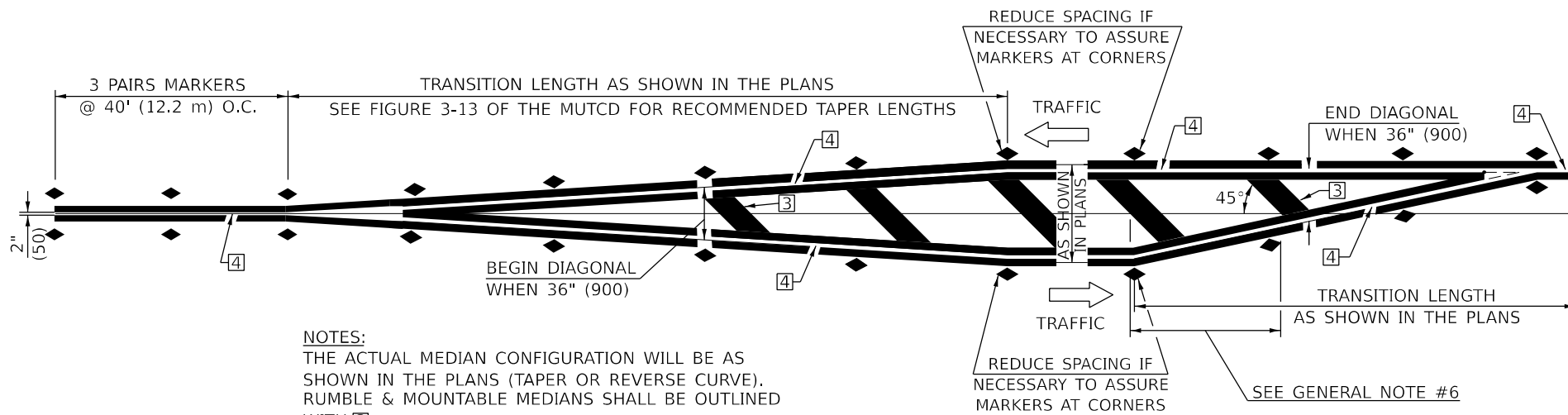
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	DRAWN -	REVISED - 9/2009 KJT
PLOT SCALE = 2,0000' / in.	CHECKED -	REVISED - 04/14 JLA
PLOT DATE = 12/16/2021	DATE -	REVISED - 3/2019 SWN

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAAA				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	35
			CONTRACT NO. 70951	
			ILLINOIS FED. AID PROJECT	

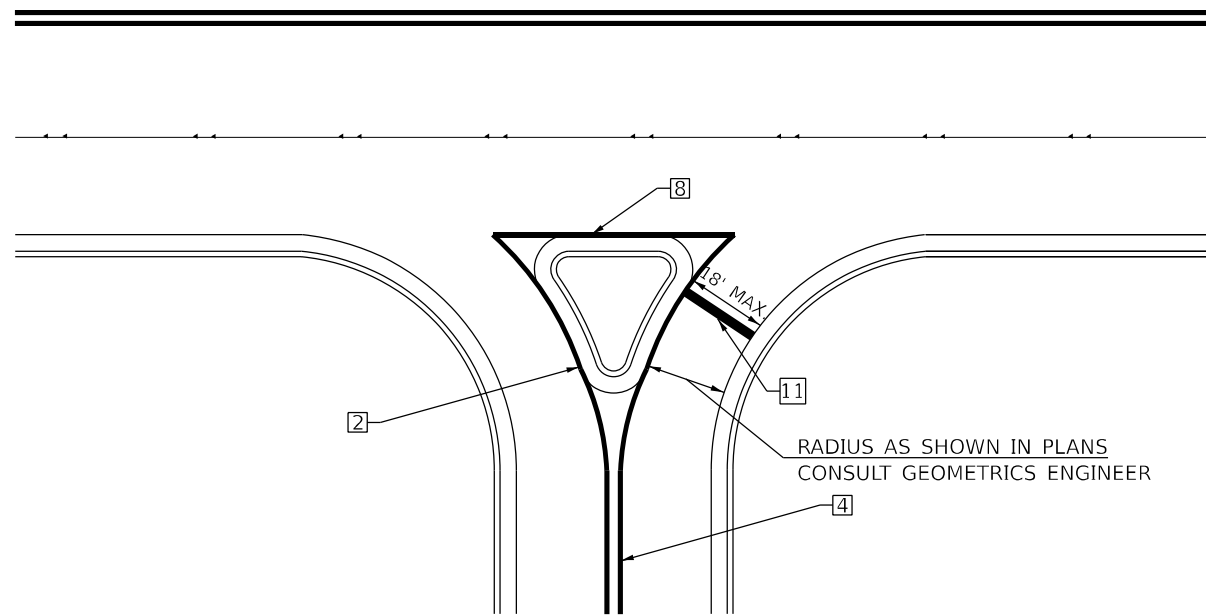


NOTES:
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE). RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

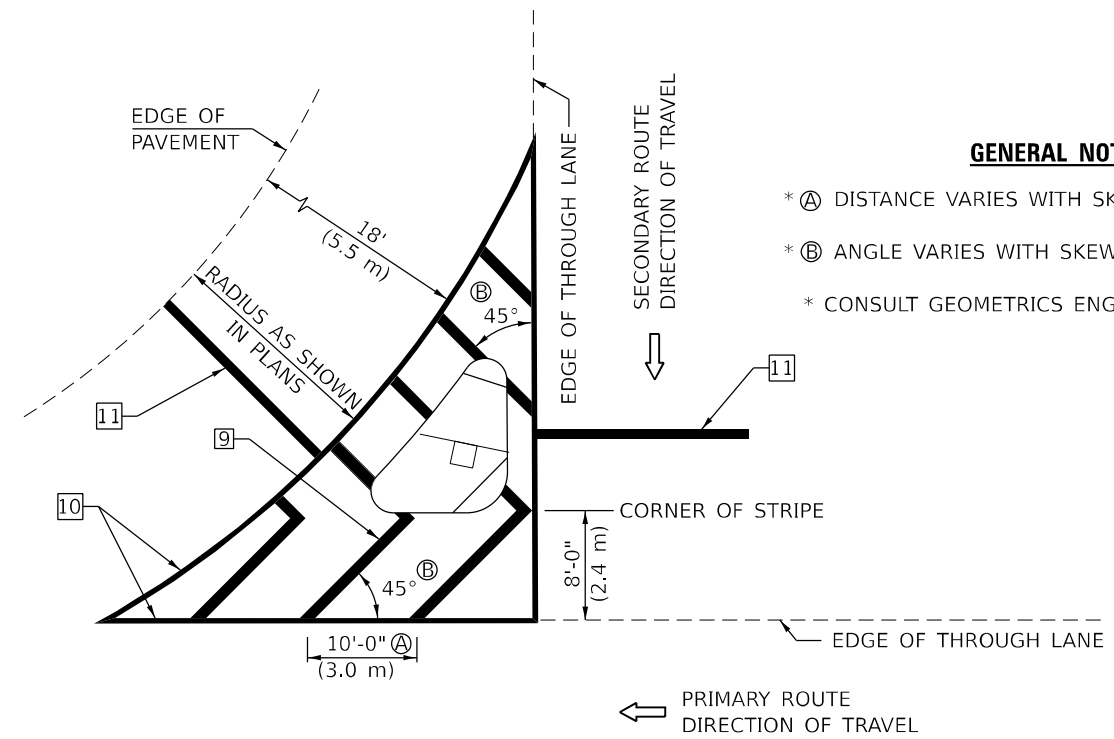
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
 <30 MPH USE 15' (<50 km/h USE 4.5 m)
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
 >45 MPH USE 30' (>75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



GENERAL NOTES

- * A DISTANCE VARIES WITH SKEW OF INTERSECTION.
- * B ANGLE VARIES WITH SKEW OF INTERSECTION.
- * CONSULT GEOMETRICS ENGINEER

ISLAND

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

MODEL: D:\p\h\11\1200030_05 IDOT DS - PTB 194-000 - V05 - IL 47 Overlay - Phase III\CAD\Drawings\CAD\Sheet\12057095_1-2hr-detail.dwg

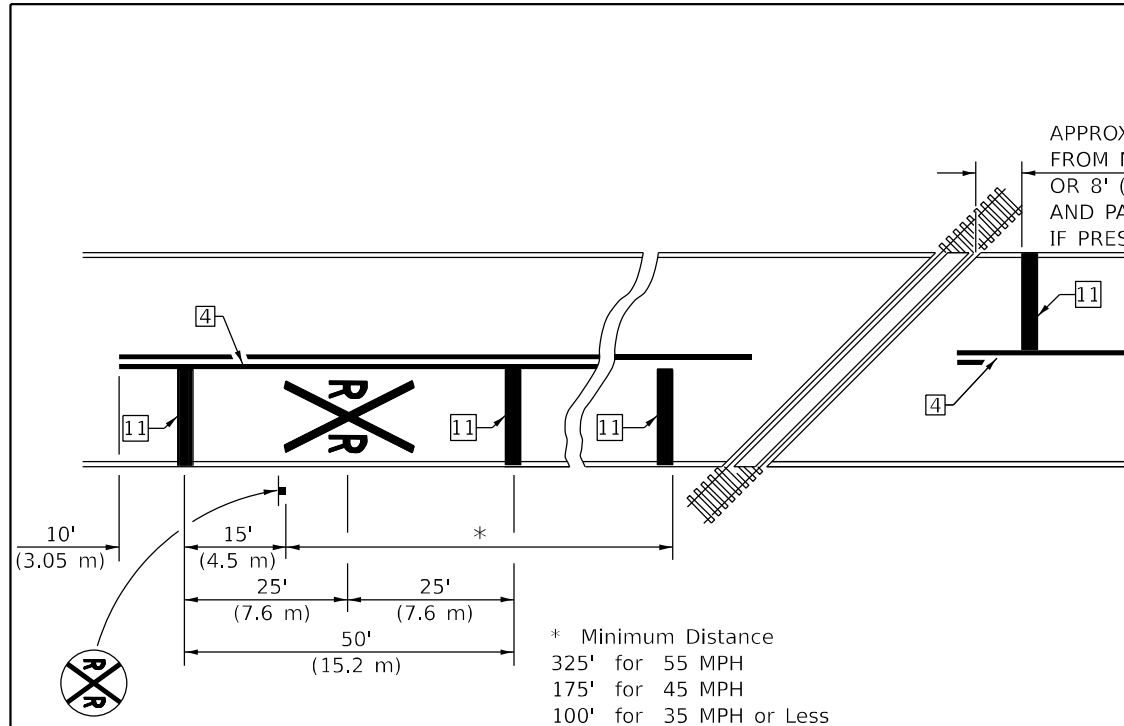
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	DATE -	REVISED - 3/2019 SWN

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

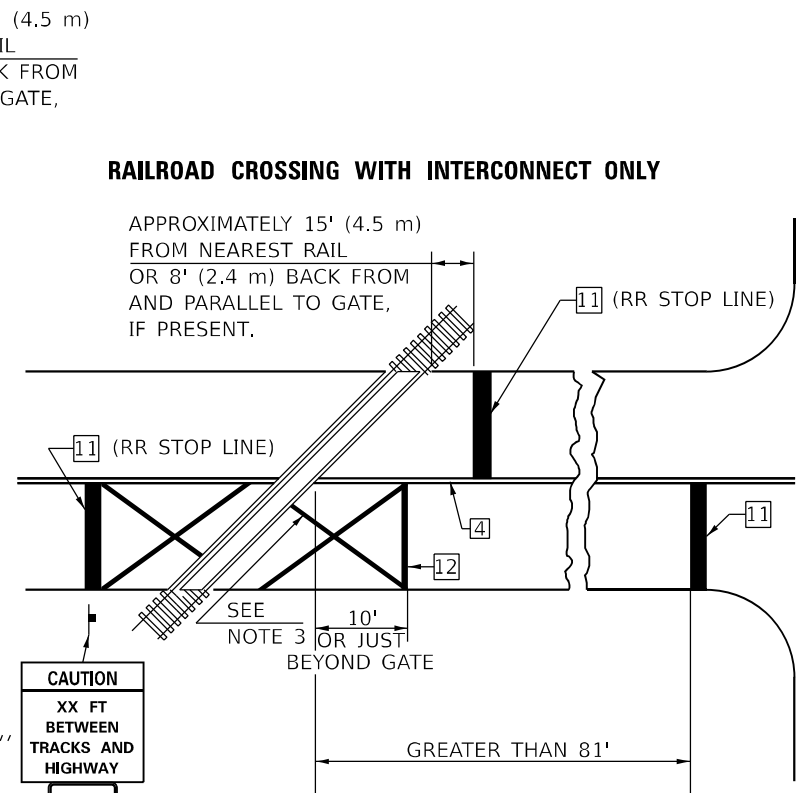
**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

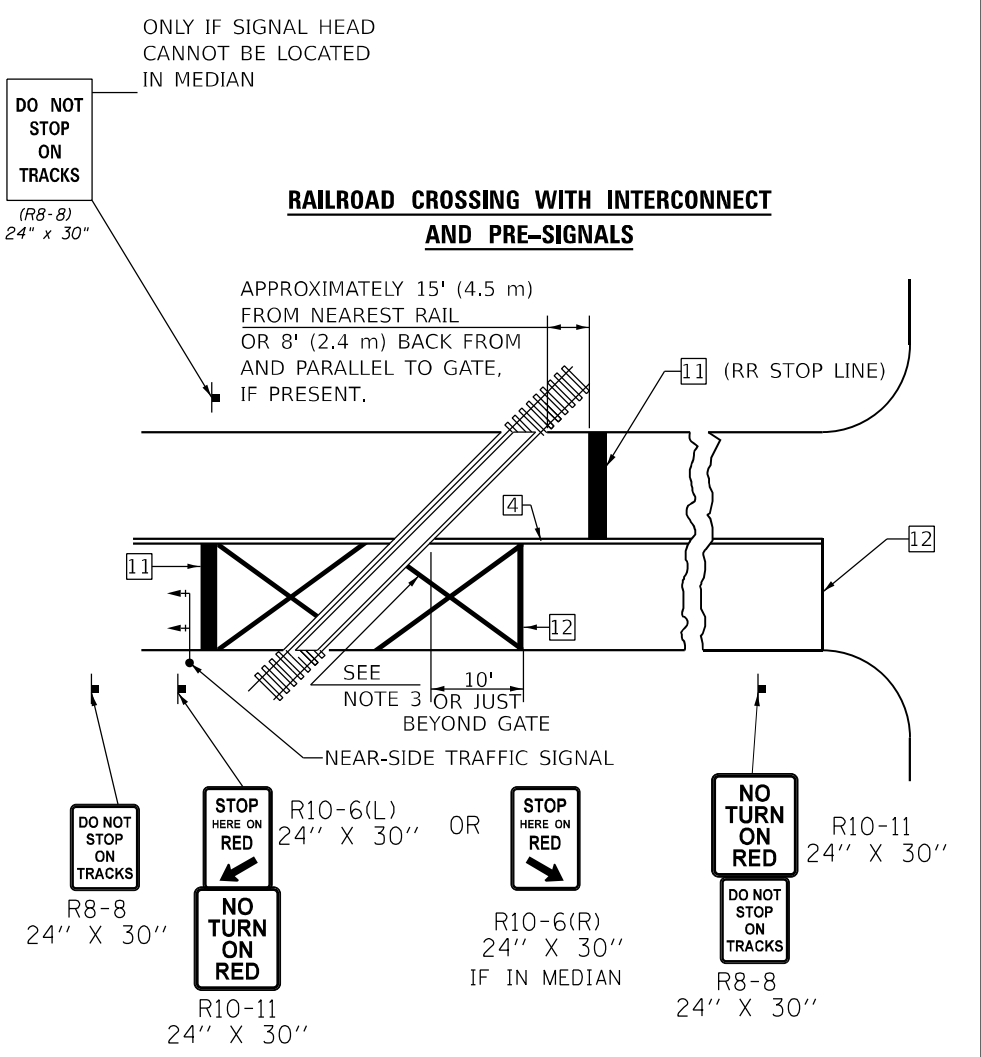
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	36
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



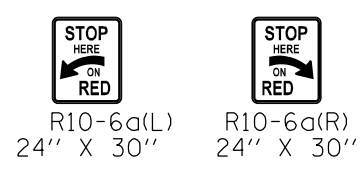
W10-I100
30" X 36"
CAUTION
XX FT
BETWEEN
TRACKS AND
HIGHWAY
DO NOT
STOP
ON
TRACKS
R8-8
24" X 30"



DO NOT STOP ON TRACKS (R8-8) 24" X 30"
ONLY IF SIGNAL HEAD CANNOT BE LOCATED IN MEDIAN
RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS
APPROXIMATELY 15' (4.5 m) FROM NEAREST RAIL OR 8' (2.4 m) BACK FROM AND PARALLEL TO GATE, IF PRESENT.
(RR STOP LINE)
SEE NOTE 3 OR JUST BEYOND GATE
NEAR-SIDE TRAFFIC SIGNAL
DO NOT STOP ON TRACKS R8-8 24" X 30"
STOP HERE ON RED R10-6(L) 24" X 30" OR STOP HERE ON RED R10-6(R) 24" X 30" IF IN MEDIAN
NO TURN ON RED R10-11 24" X 30"
DO NOT STOP ON TRACKS R8-8 24" X 30"

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

ALTERNATE SIGNS

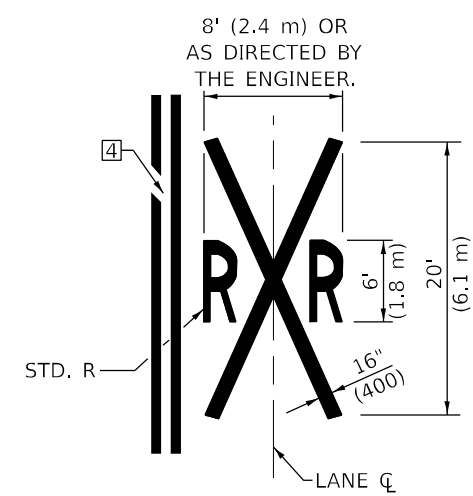


NOTES

- THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.
- ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.
- WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- 6" WHITE PAVEMENT MARKINGS AT 45° TO PAVEMENT, 8' CENTER TO CENTER.
- XX DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICH EVER IS CLOSEST, ROUNDED DOWN TO NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTENDED TO THE INTERSECTION.



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

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PLOT DATE = 12/16/2021	DATE -	REVISED - 3/2019 SWN

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

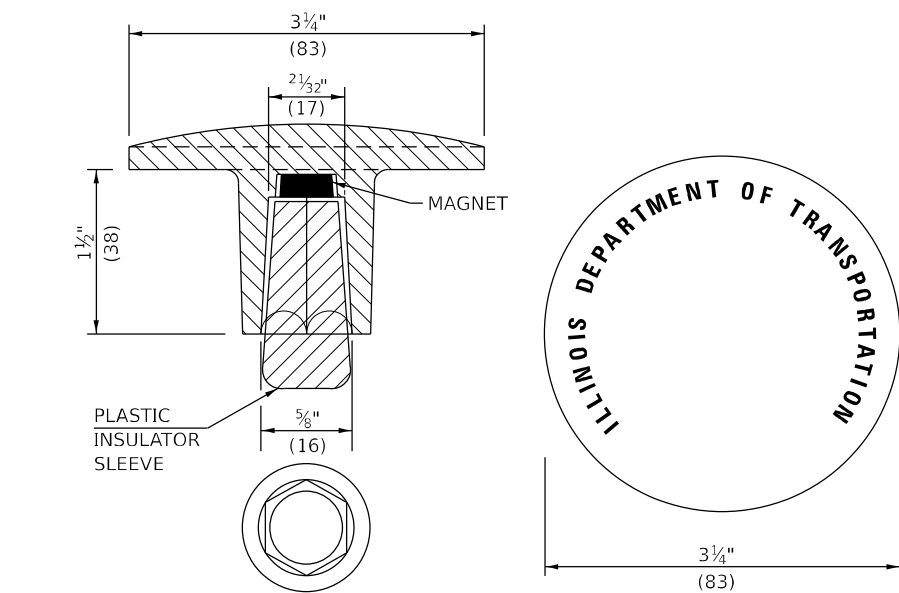
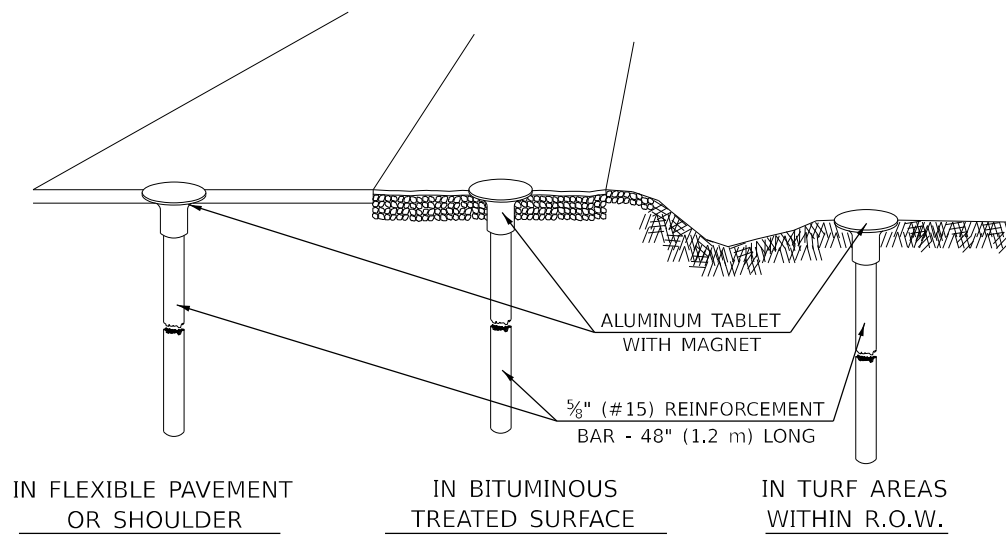
**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	37
CONTRACT NO. 70951				
ILLINOIS FED. AID PROJECT				

XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. THE CONTRACT UNIT PRICE, EACH, FOR SURVEY MARKER, TYPE 1 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE REINFORCEMENT BAR AND ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE.
2. ALL SURVEY MARKERS, TYPE 1 (SPECIAL) SHALL BE PLACED ±1/4" (6 mm) BELOW THE FINAL SURFACE.
3. WHEN THE TABLET AND REBAR ARE PLACED AS PART OF A SURVEY MARKER VAULT, THEY SHALL BE CONSIDERED AS INCLUDED IN THAT PAY ITEM AND THERE WILL BE NO PAYMENT FOR THE SURVEY MARKER, TYPE 1 (SPECIAL).

SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR. 3 1/4" (83 mm) CONVEX SURVEY CAP FOR 5/8" (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1 1/2" (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%; STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa), ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

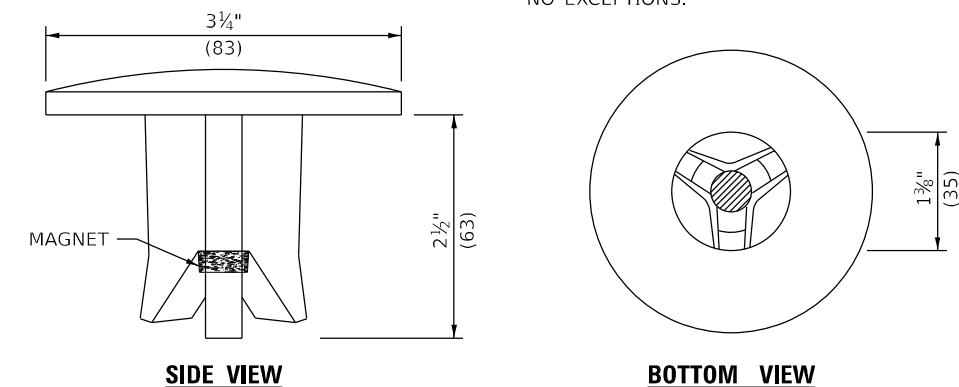
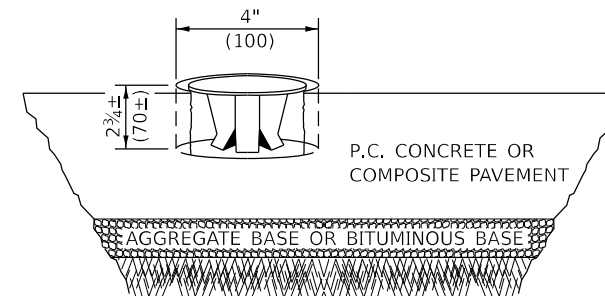
SPECIFICATIONS FOR REBAR

REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE 5/8" (#15) X 48" (1.2 m) (DEFORMED).

INSPECTION OF REINFORCEMENT BAR 5/8" (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.

XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
4. THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
5. THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
6. ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

MODEL: Definit FILE NAME: XZ193300.DWG DATE: 12/16/2021 USER: myoung

USER NAME = myoung	DESIGNED -	REVISED - 11/06
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PLOT DATE = 12/16/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. XZ193AAA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10)RS	PIATT	38	38
CONTRACT NO. 70951			ILLINOIS FED. AID PROJECT	