

04-26-2024 LETTING ITEM 213

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1 & (34)RS-2 & 85-1	VERMILION	65	1
		ILLINOIS	CONTRACT NO. 70B07	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

FOR SUMMARY OF QUANTITIES, SEE SHEET NOS. 4-7

PROPOSED  
HIGHWAY PLANS

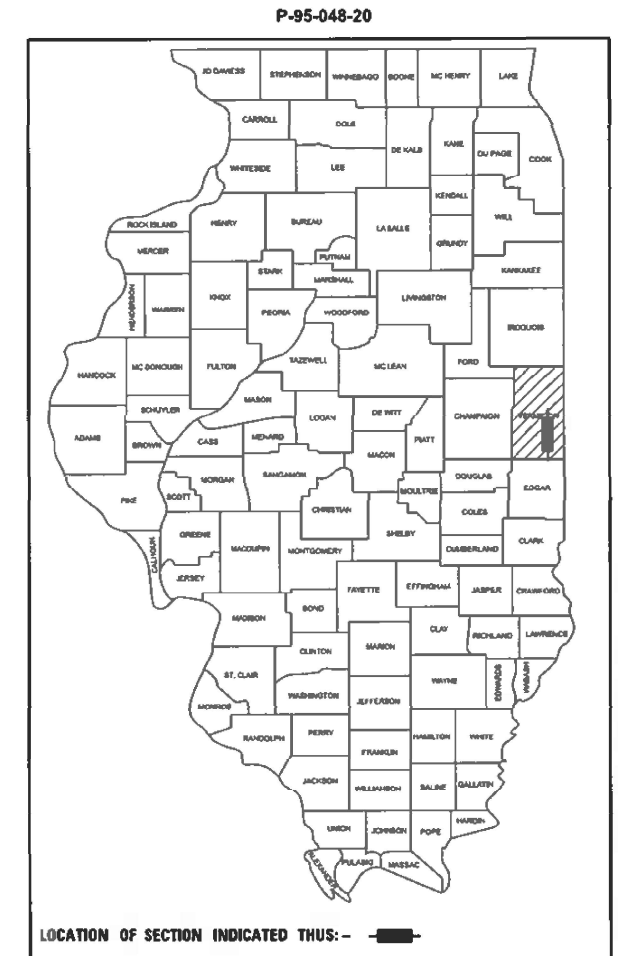
FAS ROUTE 506 (CATLIN INDIANOLA ROAD)  
SECTION (5,79,72)RS-1&(34)RS-2&85-1  
PROJECT STP-5EVK(773)  
DESIGNED OVERLAY & CULVERT REPAIR  
VERMILION COUNTY

CURRENT TRAFFIC DATA (2021): FAS 506 (CATLIN-INDIANOLA RD.)

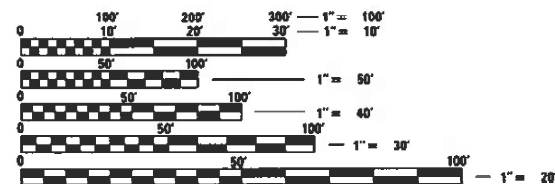
DESIGN DESIGNATION	LEG "A" MAJOR COLLECTOR	LEG "B" MAJOR COLLECTOR	LEG "C" MAJOR COLLECTOR
CURRENT ADT	750	1100	1500
P. U. & P. C. %	86.6	87.2	87.3
S. U. %	6.7	6.4	6.0
M. U. %	6.7	6.4	6.7
LEG "A":	FAS 506 FROM FAS 509 TO TR 383		
LEG "B":	FAS 506 FROM TR 383 TO FAS 508		
LEG "C":	FAS 506 FROM FAS 508 TO S. OF CATLIN		

C-95-074-20

GEORGETOWN / INDIANOLA RD TO S OF CATLIN



TOWNSHIPS  
CARROLL, GEORGETOWN, CATLIN



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

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

PROJECT ENGINEER JASON STULTS, P.E.  
PROJECT MANAGER JASON GOBLE  
PHONE: 217-465-4181  
CONTRACT NO. 70B07

END PROJECT  
STA. 64 + 65.00

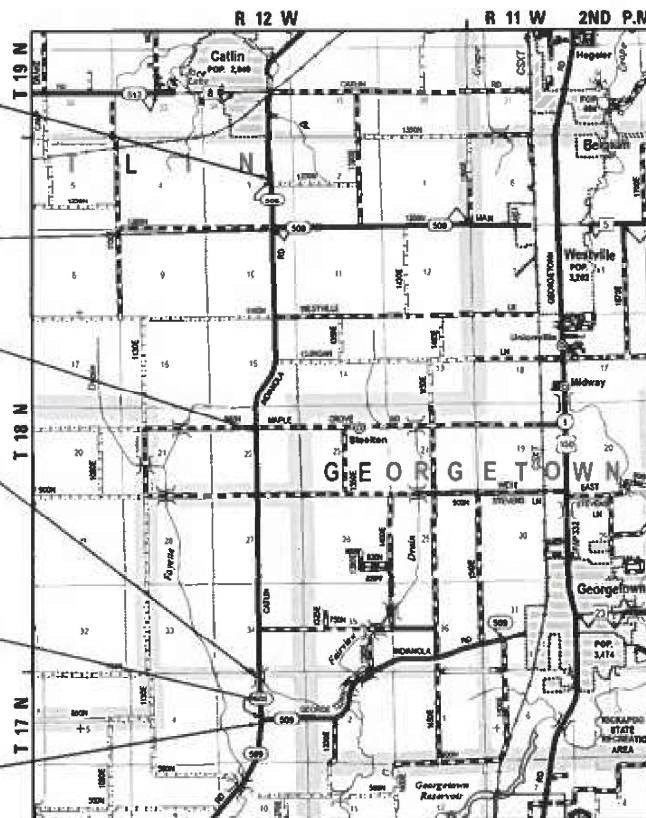
STATION EQUATION  
STA. 89 + 80.03 BK =  
STA. 89 + 83.51 AH

STATION EQUATION  
STA. 367 + 87.37 BK =  
STA. 215 + 00.00 AH

EXISTING SN 092-2021  
CULVERT REPAIR  
STA. 218 + 84.00

STATION EQUATION  
STA. 207 + 43.15 BK =  
STA. 207 + 44.39 AH

BEGIN PROJECT  
STA. 192 + 68.00



GROSS LENGTH = 32,549.65 FT. = 6.165 MILE  
NET LENGTH = 32,549.65 FT. = 6.165 MILE



DATE: JANUARY 25 20 24  
EXPIRES: NOVEMBER 30 20 25



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED 2/2 2024  
Kevin O. Bennett, Sr.  
REGIONAL ENGINEER

March 22, 2024  
[Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT

March 22, 2024  
[Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

**INDEX OF SHEETS**

1	COVER SHEET
2	INDEX OF SHEETS & LIST OF STANDARDS
3	GENERAL NOTES & COMMITMENTS
4 - 7	SUMMARY OF QUANTITIES
8 - 15	TYPICAL SECTIONS
16 - 21	SCHEDULE OF QUANTITIES
22	SURVEY LAYOUT
23 - 34	PLAN SHEETS
35 - 46	PAVEMENT MARKING PLANS
47	STAGING PLANS
48 - 49	STAGING TYPICAL SECTIONS
50	GENERAL PLAN, ELEVATIONS & DETAILS S.N. 092-2021
51	PAVEMENT RESURFACING TRANSITION DETAIL
52	WIDTH RESTRICTION SIGNING DETAIL
53 - 54	SIDEROAD & SIDESTREETS (RURAL)
55 - 56	FIELD ENTRANCES (NONCOMMERCIAL RURAL)
57	MAILBOX TURNOUT (RURAL)
58 - 59	PRIVATE COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)
60 - 63	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
64	WIDTH RESTRICTION SIGNING
65	SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

**LIST OF HIGHWAY STANDARDS**

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
630001-13	STEEL PLATE BEAM WITH GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635001-02	DELINEATORS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15'(4.5M) AWAY
701006-05	OFF ROAD OPERATIONS, 2L, 2W, 15'(4.5M) TO 24"(600MM) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORTTIME 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
701316-13	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR, FOR SPEEDS ≥ 45 MPH
701901-09	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>INDEX OF SHEETS &amp; LIST OF STANDARDS</b>			
SCALE:	SHEET 1	OF 2	SHEETS
	STA.		TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	2
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

**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)

**GN 406H Mixture Requirements Contract: 70B07**

Location	Catlin / Indianola Rd	Catlin / Indianola Rd	Catlin / Indianola Rd	Catlin / Indianola Rd	Catlin / Indianola Rd
Mixture Use	Mainline Surface	Mainline Binder FG	Class D Patches	Incidental & Top 1-3/4" of Shoulder	Shoulder Bottom 2"
AC/PG	PG 64-22	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	4.0% @ Ndes=50
Mix Comp(Gradation)	IL 9.5	IL 9.5 FG	IL 19.0	IL 9.5	IL 9.5 FG
Friction Aggregate	Mix C	N.A.	N.A.	Mix C	N.A.
Mixture Weight	112	112	112	112	112
Quality Management Program	QCP	QCP	QC/QA	QC/QA	QC/QA
Sublot Size	1000	1000	3000	3000	3000
Material Transfer Device (Required)	NO	NO	NO	NO	NO

**APPLICATION RATES**

THE FOLLOWING APPLICATION RATES WERE USED IN CALCULATING PLAN QUANTITIES AND HAVE BEEN INCLUDED FOR REFERENCE:

BITUMINOUS MATERIALS (TACK COAT)	0.05 LB/SQ FT (ON MILLED SURFACES)
	0.025 LB/SQ FT (ON HMA LIFTS)
HOT-MIX ASPHALT	112 LB/SQ YD/INCH
AGGREGATE SHOULDER	1.8 TON/CU YD

**GENERAL NOTES (CONT.)**

G.N.-406S

**PROJECT POSTED SPEED LIMITS**

THE FOLLOWING TABLE IS A LISTING OF POSTED SPEED LIMITS WITHIN THE PROJECT LIMITS. THE ENGINEER SHALL FIELD VERIFY THESE LIMITS:

STATION	TO	STATION	POSTED SPEED LIMIT (MPH)
192+68		64+65	55

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.

**COMMITMENTS**

THERE ARE NO COMMITMENTS.

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES & COMMITMENTS**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	3
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

LOCATION OF WORK:

FAS 506 (CATLIN INDIANOLA RD)

2 LANE MAJOR COLLECTOR

FUNDING BREAKOUT:

80% FED 20% STATE      VERMILION COUNTY 100% STATE      80% FED 20% STATE

192+68 TO 170+00      170+00 TO 64+65

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	192+68 TO 170+00		170+00 TO 64+65
				ROADWAY	BRIDGE	ROADWAY
				0005	0059	0005
				RURAL	092-2021	URBAN
20200500	EARTH EXCAVATION (WDENING)	CU YD	33		33	
35600708	HOT-MIX ASPHALT BASE COURSE WMDENING, 8"	SQ YD	160		160	
35800100	PREPARATION OF BASE	SQ YD	195	86		109
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	59219	39093		20126
40600370	LONGITUDINAL JOINT SEALANT	FOOT	32514	21992		10522
40600372	LONGITUDINAL JOINT SEALANT, HALF-WIDTH	FOOT	40	40		
40600990	TEMPORARY RAMP	SQ YD	80	58		22
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	TON	9761	6577	38	3146
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	8507	5754		2753
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	438	193		245
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	1444	910		534
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	285	176		109
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	41269	13073		28196
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	46923	46923		

\* DENOTES SPECIALTY ITEM

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REVISIED -  
 REVISIED -  
 REVISIED -  
 REVISIED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	4
CONTRACT NO. 70B07			ILLINOIS FED. AID PROJECT	



LOCATION OF WORK:

FUNDING BREAKOUT:

FAS 506 (CATLIN INDIANOLA RD)		
2 LANE MAJOR COLLECTOR		
80% FED 20% STATE	VERMILION COUNTY <b>100% STATE</b>	80% FED 20% STATE
192+68 TO 170+00		170+00 TO 64+65
ROADWAY 0005 RURAL	BRIDGE 0059 092 - 2021	ROADWAY 0005 URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY			
44000169	HOT-MIX ASPHALT SURFACE REMOVAL, 5"	SQ YD	77		77	
44201317	CLASS C PATCHES, TYPE II, 7 INCH	SQ YD	46		46	
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	32	32		
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	40			40
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	48	48		
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	160	160		
44201827	CLASS D PATCHES, TYPE II, 15 INCH	SQ YD	27	27		
44201833	CLASS D PATCHES, TYPE IV, 15 INCH	SQ YD	107	107		
44201843	CLASS D PATCHES, TYPE III, 16 INCH	SQ YD	40			40
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	860	459		401
48203100	HOT-MIX ASPHALT SHOULDERS	TON	290	268		22
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	77		77	
60255500	MANHOLES TO BE ADJUSTED	EACH	3	3		
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	188	188		

\* DENOTES SPECIALTY ITEM

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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	5
CONTRACT NO. 70B07			ILLINOIS FED. AID PROJECT	

LOCATION OF WORK:

FUNDING BREAKOUT:

FAS 506 (CATLIN INDIANOLA RD)		
2 LANE MAJOR COLLECTOR		
80% FED 20% STATE	VERMILION COUNTY 100% STATE	80% FED 20% STATE
192+68 TO 170+00		170+00 TO 64+65
ROADWAY 0005 RURAL	BRIDGE 0059 092 - 2021	ROADWAY 0005 URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005 RURAL	BRIDGE 0059 092 - 2021	ROADWAY 0005 URBAN
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2		
63200310	GUARDRAIL REMOVAL	FOOT	100	100		
63500105	DELINEATORS	EACH	48	48		
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6	3		3
67100100	MOBILIZATION	L SUM	1	0.5		0.5
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1		1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.5		0.5
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.5		0.5
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1		1	
70107004	PAVEMENT MARKING BLACKOUT TAPE, 4"	FOOT	140		140	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	9768	6606		3162
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1086	735		351
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	80313	55331		24982
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2		

\* DENOTES SPECIALTY ITEM

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	6
CONTRACT NO. 70B07			ILLINOIS FED. AID PROJECT	

LOCATION OF WORK:

FUNDING BREAKOUT:

FAS 506 (CATLIN INDIANOLA RD)		
2 LANE MAJOR COLLECTOR		
80% FED 20% STATE	VERMILION COUNTY 100% STATE	80% FED 20% STATE
192+68 TO 170+00		170+00 TO 64+65
ROADWAY	BRIDGE	ROADWAY
0005	0059	0005
RURAL	092 - 2021	URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	BRIDGE	ROADWAY
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	80313	55331		24982
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	410	276		134
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	12	12		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2	1		1
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	125		125	
X0327301	RELOCATE EXISTING MAILBOX	EACH	2	2		
X4060995	TEMPORARY RAMP (SPECIAL)	SQ YD	123	77		46
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL)	SQ YD	3203	2021		1182
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1		1	
∅ Z0076600	TRAINEES	HOUR	500	500		
* XZ193300	SURVEY MARKER, TYPE 1 (SPECIAL)	EACH	3	3		
∅ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5		0.5

\* DENOTES SPECIALTY ITEM

∅ 0042

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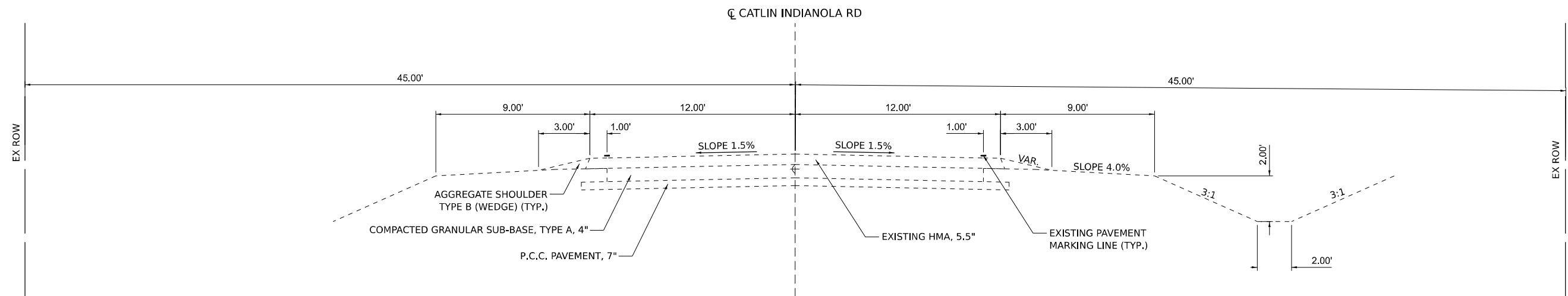
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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

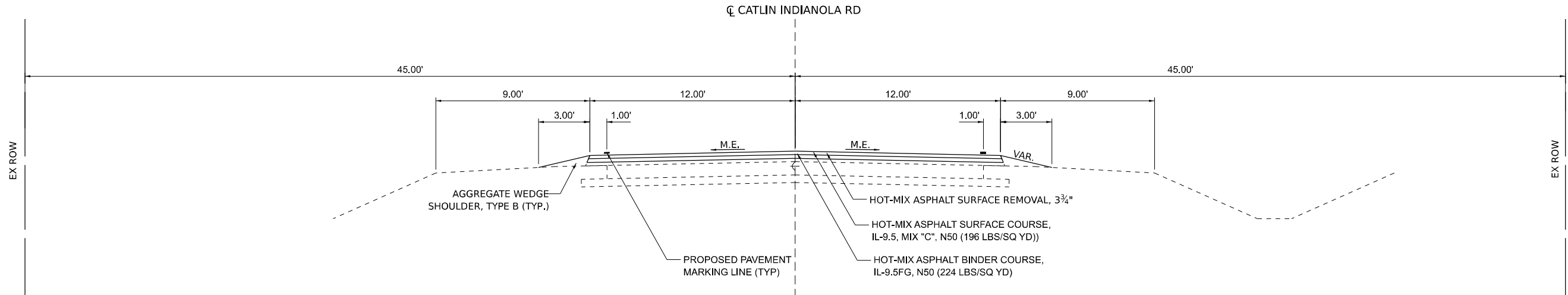
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	7
CONTRACT NO. 70B07			ILLINOIS FED. AID PROJECT	



**EXISTING TYPICAL SECTION - E1**

STA. 198+84 TO 199+32.13  
 STA. 276+12.37 TO 279+17.37  
 STA. 362+67.37 TO 367+87.37/215+00.00

STATION EQUATION: 367+87.37=215+00.00  
 STATIONING MOVES BACKWARDS FROM 215+00.00 TO NORTH END OF PROJECT LIMITS



**PROPOSED TYPICAL SECTION - P1**

STA. 198+84 TO 199+32.13  
 STA. 276+12.37 TO 279+17.37  
 STA. 362+67.37 TO 367+87.37/215+00.00

STATION EQUATION: 367+87.37=215+00.00  
 STATIONING MOVES BACKWARDS FROM 215+00.00 TO NORTH END OF PROJECT LIMITS

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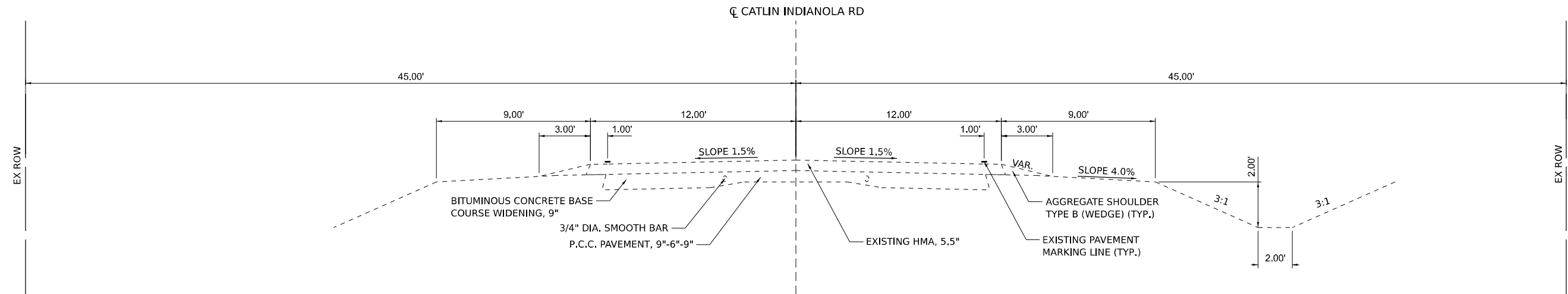
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	DATE - _____	REVISED - _____

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: SHEET 1 OF 8 SHEETS STA. \_\_\_+\_\_\_ TO STA. \_\_\_+\_\_\_

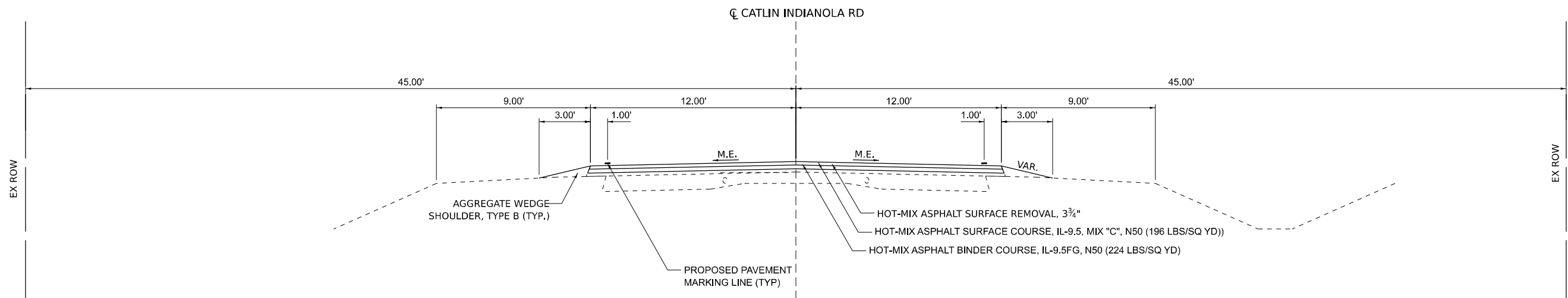
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	8
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				



**EXISTING TYPICAL SECTION - E2**

STA. 199+32.13 TO 276+12.37  
 STA. 279+17.37 TO 362+67.37

STATION EQUATION: 207+43.15 BK=207+44.39 AH



**PROPOSED TYPICAL SECTION - P2**

STA. 199+32.13 TO 276+12.37  
 STA. 279+17.37 TO 362+67.37

STATION EQUATION: 207+43.15 BK=207+44.39 AH

MODEL: TYP SECT E2.P2 (SHEET)  
 FILE NAME: J:\2024\70B07\DOT\DS-FTB-201-034\CADD\DATA\CAD\_Sheets\DS70B07-02\TYPICAL E2.dgn



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PLOT DATE	= 1/25/2024

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DRAWN -	_____
CHECKED -	_____
DATE -	_____

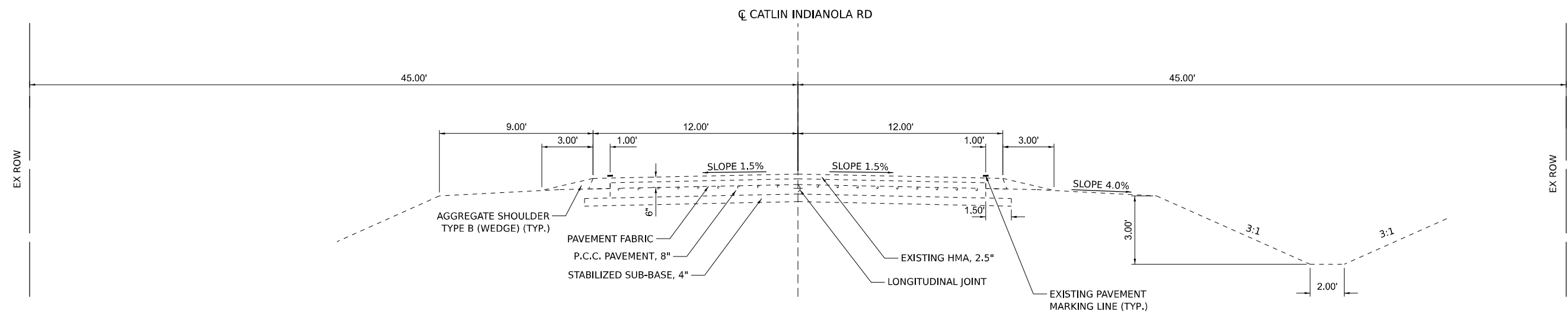
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REVISED -	_____
REVISED -	_____

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

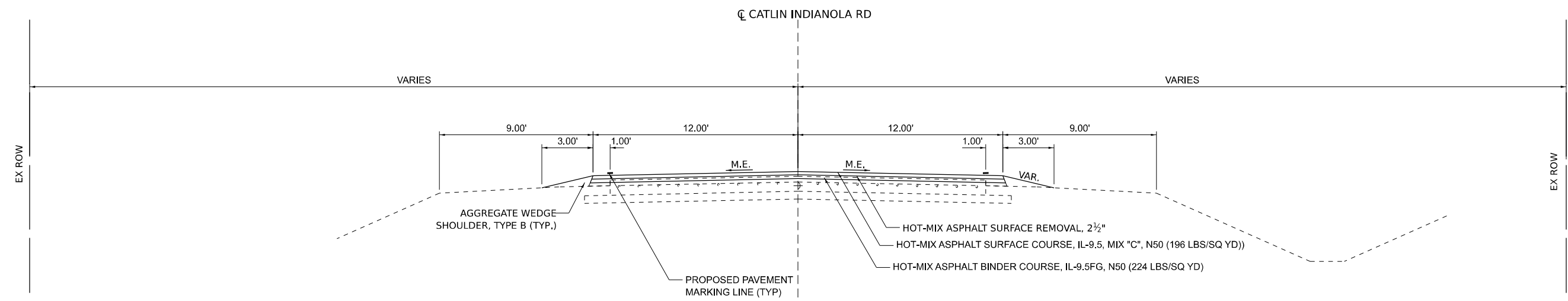
SCALE: 1"=5' SHEET 2 OF 8 SHEETS STA. \_\_\_+\_\_\_ TO STA. \_\_\_+\_\_\_

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	9
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				



**EXISTING TYPICAL SECTION - E3**  
 STA. 215+00.00/367+87.37 TO 204+19.53  
 STA. 186+05.89 TO 184+03.63  
 STA. 166+91.43 TO 90+89.34

STATION EQUATION: 367+87.37=215+00.00  
 STATIONING MOVES BACKWARDS FROM 215+00.00 TO NORTH END OF PROJECT LIMITS



**PROPOSED TYPICAL SECTION - P3**  
 STA. 215+00.00/367+87.37 TO 204+19.53  
 STA. 186+05.89 TO 184+03.63  
 STA. 166+91.43 TO 90+89.34

STATION EQUATION: 367+87.37=215+00.00  
 STATIONING MOVES BACKWARDS FROM 215+00.00 TO NORTH END OF PROJECT LIMITS

MODEL: TYP SECT E3 P3 (SHEET)  
 FILE NAME: J:\2107\DOT\DS-FTB-201-03\CAD\DATA\CAD\_Sheets\DS70B07\shb\Typical-01.dgn



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PLOT DATE = 1/25/2024	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

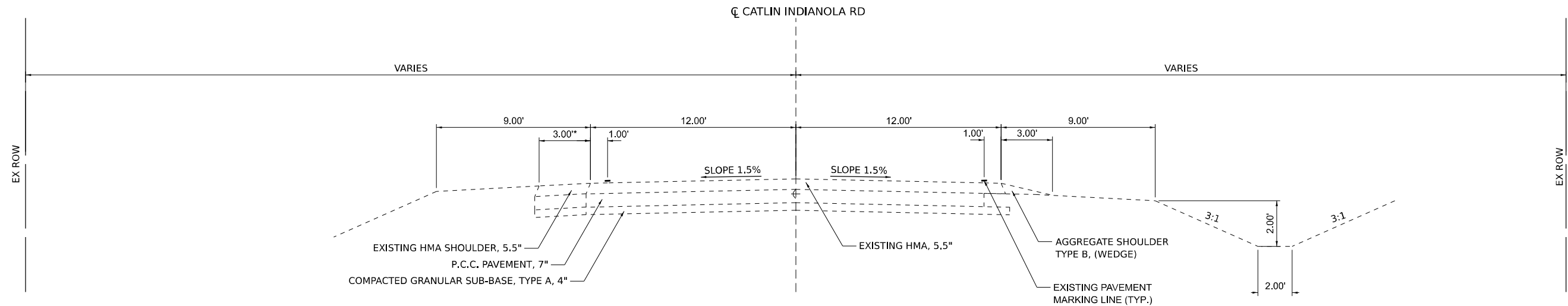
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: 1"=5'      SHEET 3 OF 8 SHEETS      STA. \_\_\_+\_\_\_ TO STA. \_\_\_+\_\_\_

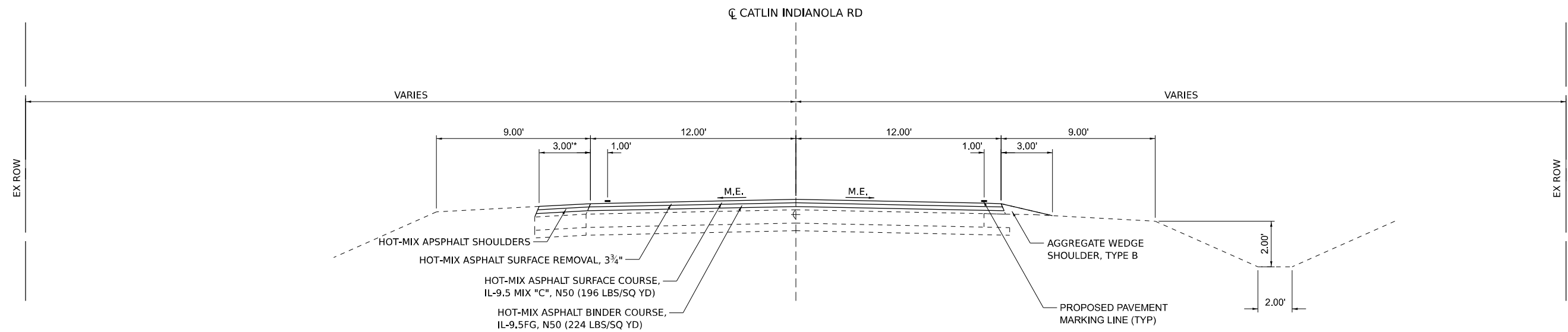
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	10
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				





**EXISTING TYPICAL SECTION-E4**

STA. 192+66 TO STA. 198+84  
 \*WIDTH TAPERS FROM 3' TO 2' FROM 196+35 TO 198+84



**PROPOSED TYPICAL SECTION-P4**

STA. 192+66 TO STA. 198+84  
 \*WIDTH TAPERS FROM 3' TO 2' FROM 196+35 TO 198+84

MODEL: TYP SECT E4.P4 (SHEET)  
 FILE NAME: J:\2107 IDOT DS - FTB 201-034\CADD\Drawn\CAD\_Sheets\DS70B07-Sub-Typical-E4-01.dgn



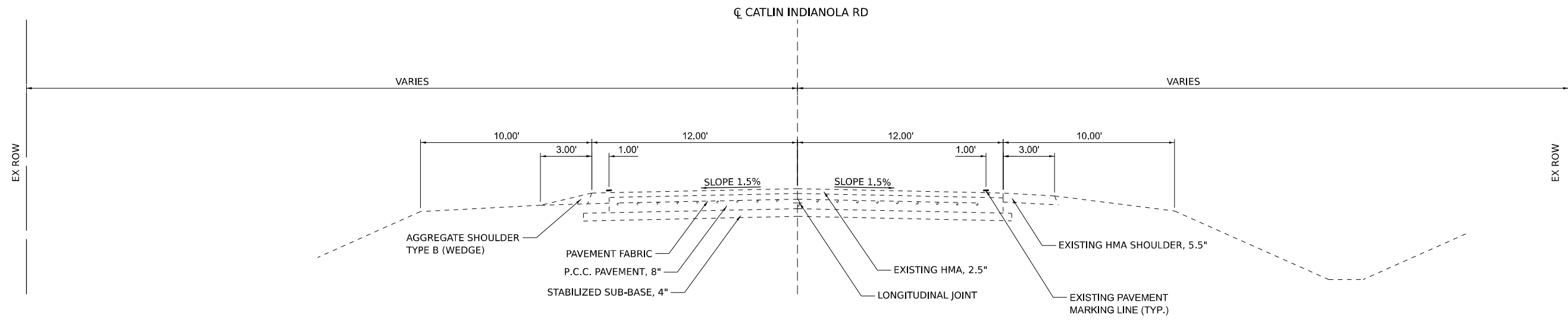
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PLOT SCALE = 0.16666633 1/1 in.	DRAWN - _____	REVISED - _____
PLOT DATE = 1/25/2024	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

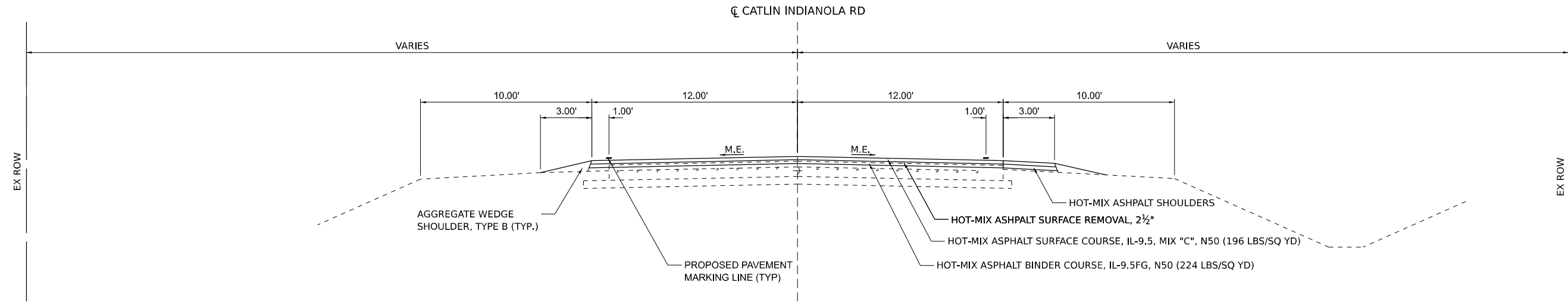
**TYPICAL SECTIONS**

SCALE: SHEET 4 OF 8 SHEETS STA. \_\_\_+\_\_\_ TO STA. \_\_\_+\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ROUTE (5,79,72)RS-1&(34)RS-2&85-1			65	11
CONTRACT NO. 70B07			ILLINOIS FED. AID PROJECT	



**EXISTING TYPICAL SECTION-E5**  
 STA. 204+19.53 TO STA. 186+05.89



**PROPOSED TYPICAL SECTION-P5**  
 STA. 204+19.53 TO STA. 186+05.89

MODEL: TYP SECT E5.P5 (SHEET)  
 FILE NAME: J:\21071\DOT\DS-FTB-201-034\CADD\DATA\CAD\_Sheets\DS70B07-shb-typical-p5.dgn



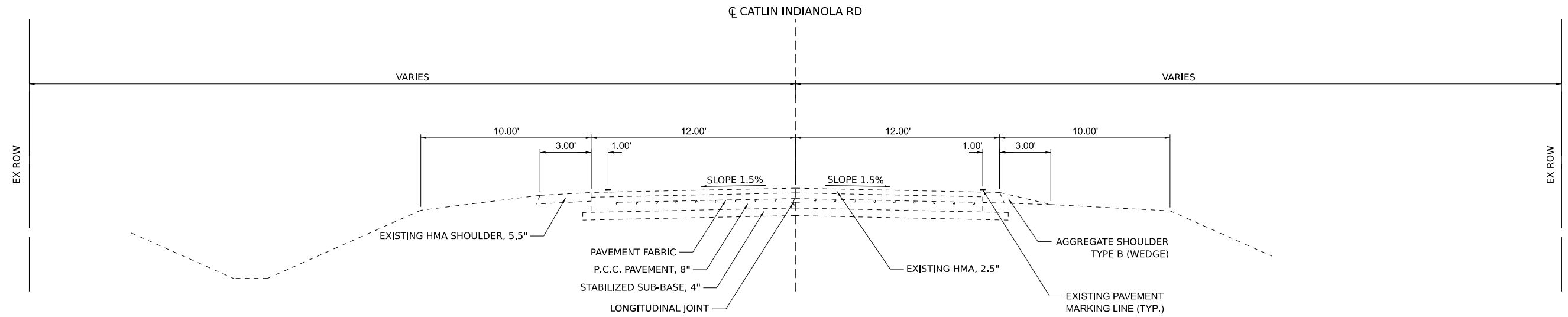
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DRAWN - _____	REVISED - _____	
PLOT SCALE = 0.16666633 1/1 in.	CHECKED - _____	REVISED - _____
PLOT DATE = 1/25/2024	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

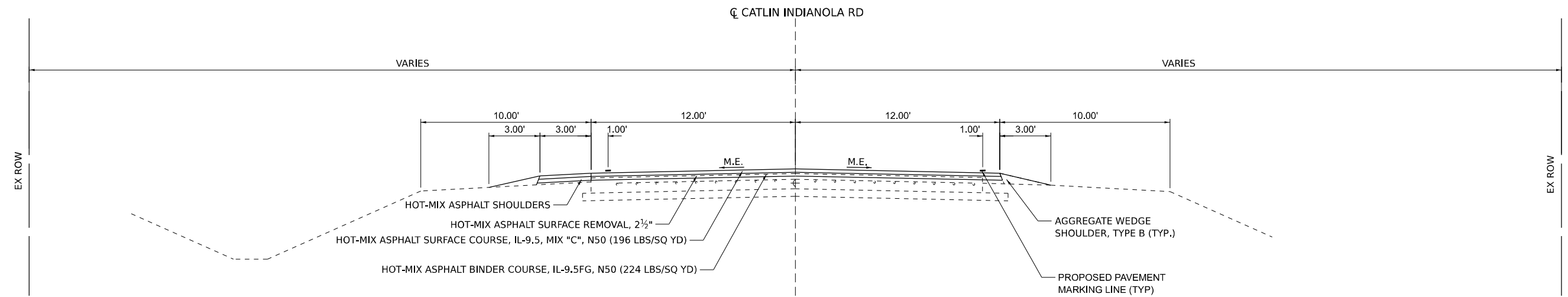
SCALE: 1"=5'    SHEET 5 OF 8 SHEETS    STA. \_\_\_+\_\_\_ TO STA. \_\_\_+\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ROUTE (5,79,72)RS-1&(34)RS-2&85-1			65	12
CONTRACT NO. 70B07			ILLINOIS FED. AID PROJECT	



**EXISTING TYPICAL SECTION-E6**

STA. 184+03.63 TO 166+91.43



**PROPOSED TYPICAL SECTION-P6**

STA. 184+03.63 TO 166+91.43

MODEL: TYP SECT E6 P6 (SHEET)  
 FILE NAME: J:\21071\DOT\DS-FTB-201-03\ACADD\DATA\CAD\_Sheets\DS70B07\shb\Typical-E6.dgn



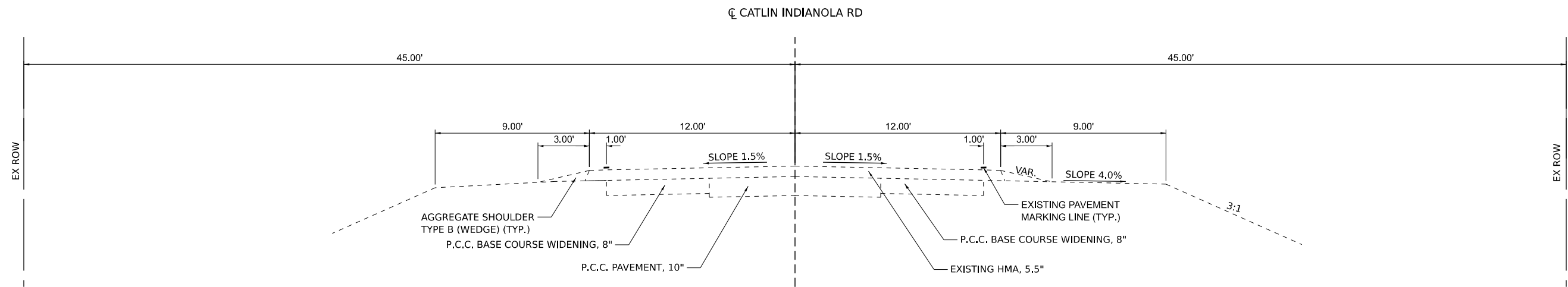
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PLOT DATE = 1/25/2024	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET 6 OF 8 SHEETS STA. \_\_\_+\_\_\_ TO STA. \_\_\_+\_\_\_

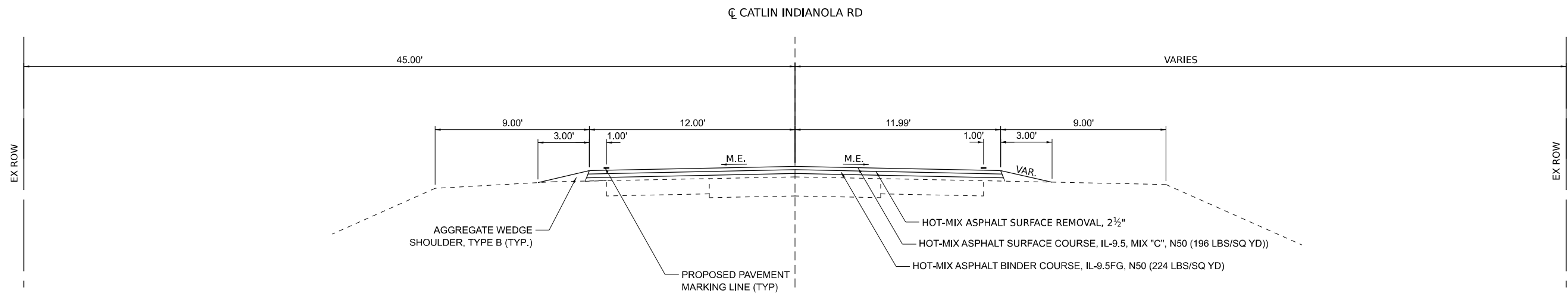
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ROUTE (5,79,72)RS-1&(34)RS-2&85-1		COUNTY 65	65	13
CONTRACT NO. 70B07			ILLINOIS FED. AID PROJECT	



**EXISTING TYPICAL SECTION - E7**

STA. 90+89.37 TO 88+64.36  
 CL WESTVILLE ROAD = 89+80.03

STATION EQUATION: 89+83.51 AH=89+80.03 BK



**PROPOSED TYPICAL SECTION - P7**

STA. 90+89.37 TO 88+64.36  
 CL WESTVILLE ROAD = 89+80.03

STATION EQUATION: 89+83.51 AH=89+80.03 BK

MODEL: TYP SECT E7 P7 (SHEET)  
 FILE NAME: J:\21071\DOT\DS-PTB-201-03\ACADD\DATA\CAD\_Sheets\DS70B07-Sub-Typical-02.dgn



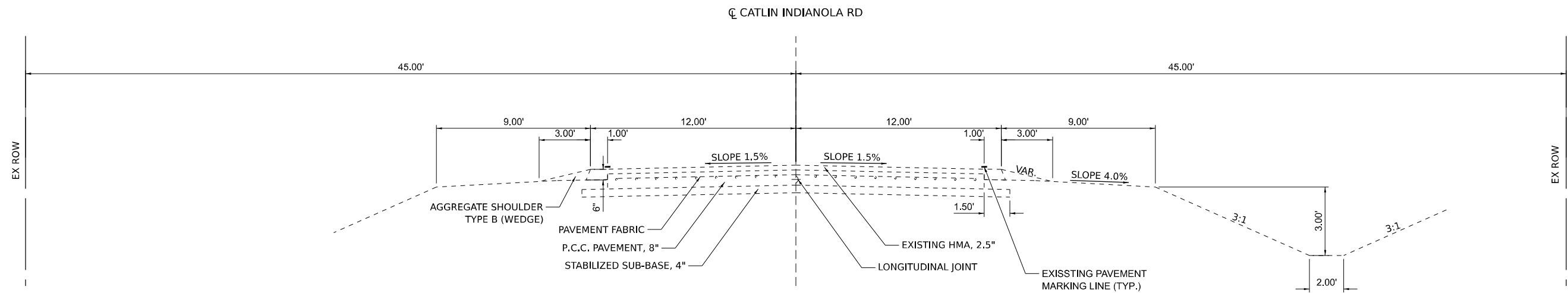
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PLOT SCALE = 0.16666633 1/1 in.	DRAWN - _____	REVISED - _____
PLOT DATE = 1/25/2024	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

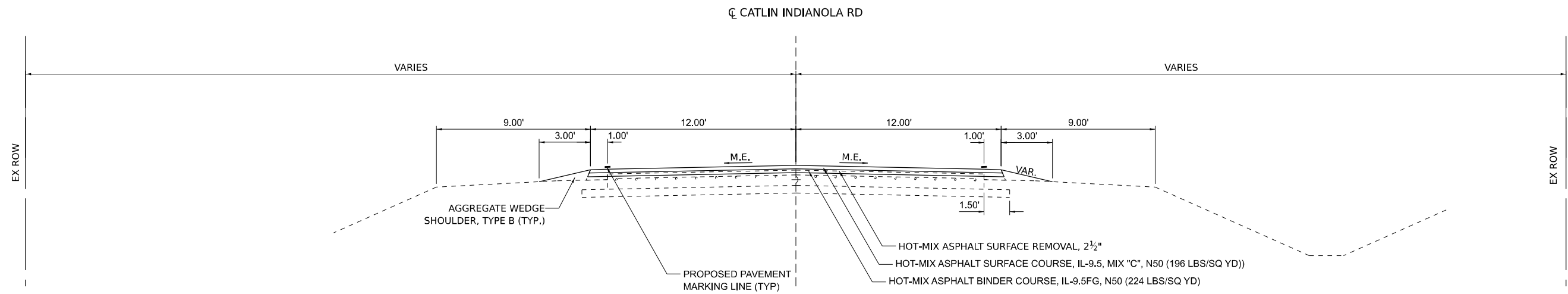
SCALE: SHEET 7 OF 8 SHEETS STA. \_\_\_+\_\_\_ TO STA. \_\_\_+\_\_\_

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	14
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				



**EXISTING TYPICAL SECTION - E8**

STA. 88+64.36 TO 42+79.28



**PROPOSED TYPICAL SECTION - P8**

STA. 88+64.36 TO 42+79.28

MODEL: TYP SECT E8.P8 (SHEET)  
 FILE NAME: J:\21071\DOT\DS-FTB-201-03\ACADD\Drawings\Sheet\Typical\catlin-02.dgn



USER NAME = msutheard	DESIGNED - _____	REVISED - _____
PLOT SCALE = 0.16666633 1/1 in.	DRAWN - _____	REVISED - _____
PLOT DATE = 1/25/2024	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: 1"=5' SHEET 8 OF 8 SHEETS STA. \_\_\_+\_\_\_ TO STA. \_\_\_+\_\_\_

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&B5-1	VERMILION	65	15
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

**RESURFACING SCHEDULE - MAINLINE**

LOCATION	SIDE	WIDTH	LENGTH	AREA	COMMENTS	LONGITUDINAL JOINT SEALANT	LONGITUDINAL JOINT SEALANT, HALF-WIDTH	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	HOT-MIX ASPHALT SHOULDERS	AGGREGATE WEDGE SHOULDER, TYPE B
STATION TO STATION						FOOT	FOOT	POUND	TON	TON	SQ YD	SQ YD	TON	TON
<b>MAINLINE</b>														
192+68		24	616	1643	ROADWAY	616		1,109	160.98	184		1643		
198+84	P1	24	48	128	ROADWAY	48		86	13	14		128		
199+32	P2	24	1932	5152	ROADWAY	1932		3,478	505	577		5152		
218+64	P2	24	40	107	STRUCTURE		40	72	10	12		107		
219+04	P2	24	5708	15221	ROADWAY	5708		10,274	1,492	1,705		15221		
276+12	P1	24	305	813	ROADWAY	305		549	80	91		813		
279+17	P2	24	8350	22267	ROADWAY	8350		15,030	2,182	2,494		22267		
362+67	P1	24	520	1387	ROADWAY	520		936	136	155		1387		
STATION EQUATION	367+87=215+00	STA. EQU.												
215+00	P3	24	1080	2880	ROADWAY	1080		1,944	282	323		2,880		
204+20	P5	24	1814	4837	ROADWAY	1814		3,265	474	542		4,837		
186+06	P3	24	202	539	ROADWAY	202		364	53	60		539		
184+04	P6	24	1713	4568	ROADWAY	1713		3,083	448	512		4,568		
166+91	P3	24	7602	20272	ROADWAY	7602		13,684	1,987	2,270		20,272		
90+89	P7	24	225	600	ROADWAY	225		405	59	67		600		
88+64	P8	24	2399	6397	ROADWAY	2399		4,318	627	717		6,397		
<b>HMA SHOULDER</b>														
192+68	LT	3	616	205	HMA SHOULDER			92				205	43	
204-20	RT	3	1,814	605	HMA SHOULDER			272			605		127	
184+04	LT	3	1,713	571	HMA SHOULDER			257			571		120	
<b>AGG SHOULDER</b>														
192+68	LT	3	9,512		AGG SHOULDER									99
289+56	LT	3	3,916		AGG SHOULDER									41
329+48	LT	3	3,839		AGG SHOULDER									40
STATION EQUATION	367+87=215+00	STA. EQU.												
215+00	LT	3	104		AGG SHOULDER									1
213+20	LT	3	6,930		AGG SHOULDER									72
143+10	LT	3	5,292		AGG SHOULDER									55
89+48	LT	3	2,483		AGG SHOULDER									26
192+68	RT	3	92		AGG SHOULDER									1
195+64	RT	3	5,287		AGG SHOULDER									55
249+27	RT	3	7,945		AGG SHOULDER									83
329+48	RT	3	3,839		AGG SHOULDER									40
STATION EQUATION	367+87=215+00	STA. EQU.												
215+00	RT	3	104		AGG SHOULDER									1
213+20	RT	3	4,280		AGG SHOULDER									45
169+64	RT	3	2,578		AGG SHOULDER									27
143+10	RT	3	5,250		AGG SHOULDER									55
88+70	RT	3	2,405		AGG SHOULDER									25
164+25	LT	3	2,039		LOW SHOULDER									68
143+10	LT	3	3,260		LOW SHOULDER									109
<b>TOTAL</b>						32514	40	59,219	8,507	9,723	41,269	46,923	290	842

NOTE: ADDITIONAL QUANTITY OF AGGREGATE HAS BEEN INCLUDED FROM STA. 164+25 TO STA. 110+50 TO ACCOUNT FOR EXISTING LOW SHOULDER.

MODEL SHEET: 1212107 IDOT DS - PTB 201-0341CADDData\CAD\_Sheets\DS70B07-ResurfSchedule01.dgn



**KUHN & TRELLO**  
CONSULTING ENGINEERS  
A Limited Liability Company  
109 N. 7th Street, 3rd Floor  
Springfield, IL 62761  
Phone: 217-681-0044  
Professional Design Firm No. 284-006526

USER NAME = msutheard  
DESIGNED -  
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CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79.72)RS-1&(34)RS-2&85-1	VERMILION	65	16
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				



**RESURFACING SCHEDULE - ENTRANCES**

LOCATION				WIDTH	LENGTH	DEPTH	AREA TO RESURFACE	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	INCIDENTAL HOT-MIX ASPHALT SURFACING	AGGREGATE WEDGE SHOULDER, TYPE B	PREPERATION OF BASE
								X4400196	40800025	40800029	40800050	48102100	35800100
SIDE	STATION	TYPE	MATERIAL	FT	FT	INCH	SQ YD	SQ YD	POUND	POUND	TON	TON	SQ YD
LT	195+00	FE	AGG	36-30	3	1.5	11	11		5.0	0.9		
RT	200+80	FE	EARTH	24-18	3	1.5	7	7		3.2	0.6		
LT	208+07	FE	EARTH	28-22	3	1.5	8.3	8.3		3.7	0.7		
RT	208+07	FE	EARTH	28-22	3	1.5	8.3	8.3		3.7	0.7		
LT	222+26	FE	AGG	38-32	3	1.5	11.7	11.7		5.3	1.0		
RT	222+26	FE	EARTH	38-32	3	1.5	11.7	11.7		5.3	1.0		
RT	235+56	FE	AGG	42-36	3	1.5	13	13		5.9	1.1		
LT	237+09	FE	AGG	30-24	3	1.5	9	9		4.1	0.8		
LT	242+20	FE	AGG	38-32	3	1.5	11.7		26.3		1.0		11.7
LT	249+25	FE	AGG	32-26	3	1.5	9.7	9.7		4.4	0.8		
LT	261+00	FE	EARTH	30-24	3	1.5	9	9		4.1	0.8		
RT	262+15	FE	AGG	30-24	3	1.5	9		20.3		0.8		9
RT	263+21	PE	AGG	42-34	8	1.5	33.8	33.8		15.2	2.8		
RT	263+50	MAILBOX	AGG	40-20	8	1.5	26.7		60.1		2.2		26.7
RT	265+35	FE	EARTH	26-20	3	1.5	7.7	7.7		3.5	0.6		
LT	267+65	FE	EARTH	42-36	3	1.5	13	13		5.9	1.1		
LT	270+88	PE	AGG	50-30	10	1.5	44.4	44.4		20.0	3.7		
RT	270+88	MAILBOX	HMA	72-20	8	1.5	40.9	40.9		18.4	3.4		
LT	272+01	PE	AGG	36-16	10	1.5	28.9	28.9		13.0	2.4		
LT	273+50	PE	HMA	38-18	10	1.5	31.1	31.1		14.0	2.6		
RT	273+70	MAILBOX	HMA	72-20	8	1.5	40.9	40.9		18.4	3.4		
RT	275+70	MAILBOX	HMA	52-20	8	1.5	32	32		14.4	2.7		
RT	275+87	PE	AGG	32-20	10	1.5	28.9	28.9		13.0	2.4		
LT	278+10	FE	EARTH	24-18	3	1.5	7	7		3.2	0.6		
RT	281+00	FE	EARTH	28-22	3	1.5	8.3	8.3		3.7	0.7		
RT	289+70	FE	EARTH	24-18	3	1.5	7	7		3.2	0.6		
LT	296+83	PE	AGG	36-16	10	1.5	28.9	28.9		13.0	2.4		
LT	298+31	PE	AGG	44-24	12	1.5	45.3	45.3		20.4	3.8		
LT	300+60	PE	HMA	34-18	10	1.5	28.9	28.9		13.0	2.4		
RT	300+60	MAILBOX	HMA	72-20	8	1.5	40.9	40.9		18.4	3.4		
RT	302+45	FE	AGG	38-32	3	1.5	11.7	11.7		5.3	1.0		
LT	307+74	PE	AGG	36-20	10	1.5	31.1	31.1		14.0	2.6		
RT	315+72	FF	FARTH	26-20	3	1.5	7.7	7.7		3.5	0.6		
LT	316+95	FE	EARTH	24-18	3	1.5	7	7		3.2	0.6		
LT	321+64	PE	AGG	36-20	10	1.5	31.1	31.1		14.0	2.6		
RT	321+64	MAILBOX	HMA	72-20	8	1.5	40.9	40.9		18.4	3.4		
RT	328+40	FE	EARTH	26-20	3	1.5	7.7	7.7		3.5	0.6		
RT	330+02	FE	EARTH	24-18	3	1.5	7	7		3.2	0.6		
LT	330+96	FE	EARTH	40-34	3	1.5	12.3	12.3		5.5	1.0		
LT	334+70	FE	EARTH	28-22	3	1.5	8.3	8.3		3.7	0.7		
RT	339+30	FE	EARTH	36-30	3	1.5	11	11		5.0	0.9		
RT	340+90	FE	EARTH	36-30	3	1.5	11	11		5.0	0.9		
LT	342+25	FE	EARTH	26-20	3	1.5	7.7	7.7		3.5	0.6		
LT	355+65	FE	EARTH	26-20	3	1.5	7.7	7.7		3.5	0.6		
RT	355+90	FE	EARTH	36-30	3	1.5	11	11		5.0	0.9		
LT	357+60	FE	EARTH	36-30	3	1.5	11	11		5.0	0.9		
RT	212+35	PE	AGG	36-18	12	1.5	36	36		16.2	3.0	0.3	
RT	209+20	PE	AGG	36-20	12	1.5	37.3	37.3		16.8	3.1	0.3	
LT	208+60	MAILBOX	HMA	72-20	8	1.5	40.9	40.9		18.4	3.4	0.6	
RT	208+00	FE	EARTH	22-16	3	1.5	6.3		14.2		0.5	0.0	6.3
LT	206+05	FE	EARTH	36-30	3	1.5	11	11		5.0	0.9	0.0	
RT	199+55	FE	SAFETY SHOULDER	32	0	1.5	0	0		0.0	0.0	0.0	

MODEL SHEET  
FILE NAME: \\1212107\DOT\05-PTB-201-034\CADD\01\CAD\_Sheets\0510B07-Entr-Schedule.dgn

**KT** KUHN & TRELLO  
CONSULTING ENGINEERS  
A Limited Liability Company  
109 N. 7th Street, 3rd Floor  
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Professional Design Firm No. 284-006526

USER NAME = msutheard  
DESIGNED -  
DRAWN -  
CHECKED -  
DATE -  
PLOT SCALE = 0.16666633 1/16"  
PLOT DATE = 1/16/2024

REVISIED -  
REVISIED -  
REVISIED -  
REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	17
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

**RESURFACING SCHEDULE - ENTRANCES**

LOCATION				WIDTH	LENGTH	DEPTH	AREA TO RESURFACE	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	INCIDENTAL HOT-MIX ASPHALT SURFACING	AGGREGATE WEDGE SHOULDER, TYPE B	PREPERATION OF BASE
								X4400196	40800025	40800029	40800050	48102100	35800100
SIDE	STATION	TYPE	MATERIAL	FT	FT	INCH	SQ YD	SQ YD	POUND	POUND	TON	TON	SQ YD
LT	195+70	PE	HMA	28-20	8	1.5	21.3	21.3		9.6	1.8	0.1	
LT	195+30	MAILBOX	AGG	52-20	8	1.5	32		72.0		2.7	0.4	32
LT	185+00	CE	AGG	50-20	10	1.5	38.9	38.9		17.5	3.3	0.2	
RT	185+00	FE	AGG	32-26	3	1.5	9.7	9.7		4.4	0.8	0.0	
LT	170+10	FE	SAFETY SHOULDER	36	0	1.5	0	0		0.0	0.0	0.0	
LT	167+75	PE	SAFETY SHOULDER	36-24	7	1.5	23.3	23.3		10.5	2.0	0.2	
LT	166+74	PE	HMA	36-24	10	1.5	33.3	33.3		15.0	2.8	0.1	
LT	166+25	MAILBOX	AGG	75	8	1.5	66.7	66.7		30.0	5.6	0.0	
LT	165+75	PE	AGG	26-16	10	1.5	23.3	23.3		10.5	2.0	0.1	
LT	164+60	FE	AGG	30-24	3	1.5	9		20.3		0.8	0.0	9
RT	154+75	FE	AGG	56-50	3	1.5	17.7		39.8		1.5	0.0	17.7
RT	153+20	PE	AGG	36-22	10	1.5	32.2		72.5		2.7	0.3	32.2
LT	152+60	MAILBOX	HMA	72-20	8	1.5	40.9	40.9		18.4	3.4	0.6	
RT	138+40	PE	AGG	36-20	10	1.5	31.1	31.1		14.0	2.6	0.3	
LT	137+75	MAILBOX	HMA	72-20	8	1.5	40.9	40.9		18.4	3.4	0.6	
RT	137+50	FE	AGG	36-30	3	1.5	11		24.8		0.9	0.0	11
RT	136+95	FE	AGG	24-18	3	1.5	7		15.8		0.6	0.0	7
RT	126+10	FE	AGG	38-32	3	1.5	11.7		26.3		1.0	0.0	11.7
LT	121+10	FE	EARTH	32-26	3	1.5	9.7	9.7		4.4	0.8	0.0	
RT	116+75	FE	AGG	30-24	3	1.5	9	9		4.1	0.8	0.0	
LT	116+70	FE	AGG	48-42	3	1.5	15	15		6.8	1.3	0.0	
RT	108+30	PE	AGG	36-16	10	1.5	28.9	28.9		13.0	2.4	0.3	
LT	107+95	MAILBOX	HMA	72-20	8	1.5	40.9	40.9		18.4	3.4	0.6	
RT	106+25	FE	AGG	22-16	3	1.5	6.3		14.2		0.5	0.0	6.3
LT	98+00	PE	AGG	32-22	10	1.5	28.9	28.9		13.0	2.4	0.1	
LT	97+70	MAILBOX	HMA	52-20	8	1.5	32	32		14.4	2.7	0.4	
RT	94+25	FE	EARTH	26-20	3	1.5	7.7		17.3		0.6	0.0	7.7
LT	81+40	MAILBOX	HMA	56-36	10	1.5	51.1	51.1		23.0	4.3	0.3	
LT	80+97	PE	HMA	36-24	11	1.5	36.7	36.7		16.5	3.1	0.1	
RT	81+00	FE	AGG	22-16	3	1.5	6.3		14.2		0.5	0.0	6.3
LT	79+45	PE	HMA	44-24	10	1.5	37.8	37.8		17.0	3.2	0.3	
LT	76+50	MAILBOX	HMA	72-20	8	1.5	40.9	40.9		18.4	3.4	0.6	
RT	76+25	PE	AGG	38-18	10	1.5	31.1	31.1		14.0	2.6	0.3	
LT	76+20	FE	EARTH	28-22	3	1.5	8.3	8.3		3.7	0.7	0.0	
<b>TOTAL</b>							<b>1810</b>	<b>1,616</b>	<b>438</b>	<b>727</b>	<b>152</b>	<b>7</b>	<b>195</b>

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79.72)RS-1&(34)RS-2&85-1	VERMILION	65	18
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

MODEL SHEET  
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**KUHN & TRELLO**  
CONSULTING ENGINEERS  
A Limited Liability Company  
109 N. 7th Street, 3rd Floor  
Springfield, IL 62761  
Phone: 217-628-0014  
Professional Design Firm No. 284-006526

USER NAME = msutheard	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/16"	DRAWN -	REVISED -
PLOT DATE = 1/16/2024	CHECKED -	REVISED -
	DATE -	REVISED -

RESURFACING SCHEDULE - SIDE ROADS										
SIDE ROAD	LOCATION	WIDTH	LENGTH	DEPTH	AREA	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	BITUMINOUS MATERIALS (TACK COAT)	INCIDENTAL HOT-MIX ASPHALT SURFACING	TEMPORARY RAMP, SPECIAL	AGGREGATE WEDGE SHOULDER, TYPE B
						X4400196	40800029	40800050	X4060995	48102100
	STATION	FT	FT	INCH	SQ YD	SQ YD	POUND	TON	SQ YD	TON
GEORGETOWN INDIANOLA RD	194+25 RT	OMIT	OMIT		0	0	0	0	15.6	0.0
750 N	248+89 RT	76-20	33	1.5	133	133	60	11.2	8.4	1.0
1130 E	288+87 LT	176-46	33	1.5	370	370	167	31.1	19.6	1.5
900 N	329+10 RT	76-20	33	1.5	133	133	60	11.2	8.4	1.0
900 N	329+10 LT	76-20	33	1.5	133	133	60	11.2	8.4	1.0
980 N	213+58 RT	76-20	33	1.5	133	133	60	11.2	8.4	1.0
980 N	213+58 LT	76-20	33	1.5	133	133	60	11.2	8.4	1.0
1050 N (CLINGAN LN)	170+02 RT	76-20	42	1.5	153	153	69	12.9	8.4	1.1
1100 N	143+50 LT	80-20	33	1.5	138	138	63	11.6	8.9	1.0
1100 N	143+48 RT	76-20	33	1.5	133	133	60	11.2	8.4	1.0
1200 N	89+83 LT	70-18	33	1.5	128	128	58	10.8	7.8	1.0
1200 N	89+83 RT	OMIT	OMIT		0	0	0	0.0	12.4	0.0
<b>TOTAL</b>						<b>1,587</b>	<b>717</b>	<b>133</b>	<b>123</b>	<b>11</b>

CULVERT REPAIR SCHEDULE - S.N. 092-2021							
LOCATION	LENGTH	WIDTH	AREA	HOT-MIX ASPHALT SURFACE REMOVAL, 5"	HOT-MIX ASPHALT BINDER COURSE IL-9.5FG N50	CLASS C PATCHES, TYPE II, 7 INCH	WATERPROOFING MEMBRANE SYSTEM
				44000169	40602965*	44201317	58100200
STATION TO STATION	FT	FT	SQ YD	SQ YD	TON	SQ YD	SQ YD
MAINLINE							
218+64 219+04	23	30	77	77	22		77
NORTH OF STRUCTURE					8	23	
SOUTH OF STRUCTURE					8	23	
<b>TOTAL</b>				<b>77</b>	<b>38</b>	<b>46</b>	<b>77</b>

\*5" BINDER FOR STAGE CONSTRUCTION WILL BE MILLED AND REPLACED AT 3.75" WITH MAINLINE MILLING, BINDER AND SURFACE.

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 PLOT DATE = 1/16/2024

DESIGNED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	19
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

CLASS D PATCHING SCHEDULE											
STATION	LANE	LENGTH	WIDTH	DEPTH	CLASS D	CLASS D	CLASS D	CLASS D	CLASS D	CLASS D	CLASS D
					TYPE III 11 INCH	TYPE IV 11 INCH	TYPE III 13 INCH	TYPE IV 13 INCH	TYPE II 15 INCH	TYPE IV 15 INCH	TYPE III 16 INCH
					44201781	44201783	44201807	44201809	44201827	44201833	44201843
					SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD
194+75	NB	20.0	12.0	12.5"				26.7			
194+75	SB	100.0	12.0	12.5"				133.3			
199+50	NB	10.0	12.0	14.5"					13.3		
199+50	SB	10.0	12.0	14.5"					13.3		
247+25	NB	20.0	12.0	14.5"						26.7	
247+25	SB	20.0	12.0	14.5"						26.7	
360+10	NB	20.0	12.0	14.5"						26.7	
360+10	SB	20.0	12.0	14.5"						26.7	
367+10	NB	18.0	12.0	12.5"			24.0				
367+10	SB	18.0	12.0	12.5"			24.0				
STATION EQUATION 367+87.37=215+00											
209+90	NB	12.0	12.0	10.5"	16.0						
209+90	SB	12.0	12.0	10.5"	16.0						
90+85	NB	15.0	12.0	15.5"							20.0
90+85	SB	15.0	12.0	15.5"							20.0
80+20	NB	30.0	12.0	10.5"		40.0					
TOTAL					32.0	40.0	48.0	160.0	26.6	106.8	40.0
USE					32	40	48	160	27	107	40

WIDENING SCHEDULE					
STATION	TO	STATION	OFFSET	20200500	35600708
				EARTH EXCAVATION (WIDENING)	HOT-MIX ASPHALT BASE COURSE WIDENING, 8"
				CU YD	SQ YD
217+91.0	-	218+72.5	LT	8.0	36.2
217+93.0		218+72.5	RT	7.9	39.8
218+95.5		219+79.0	LT	8.2	41.8
218+95.5		219+79.0	RT	8.2	41.8
TOTAL				32.3	159.6
USE				33.0	160

TEMPORARY RAMP SCHEDULE				
LOCATION	WIDTH	LENGTH	NOTES	TEMPORARY RAMP
				40600990
STATION	FT	FT		SQ YD
192+68	28	12.5	AFTER MILLING	38.9
192+68	28	5.8	AFTER BINDER	18.1
64+65	24	8.3	AFTER MILLING	22.2
TOTAL				79.2
USE				80

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USER NAME = msutheard  
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 PLOT DATE = 1/25/2024

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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	20
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

GUARDRAIL SCHEDULE								
STATION	TO	STATION	OFFSET	63000001	63100167	63200310	72501000	78200005
				STEEL PLATE BEAM GUARDRAIL TYPE A, 6' POSTS	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	GUARDRAIL REMOVAL	TERMINAL MARKER DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A
				FOOT	EACH	FOOT	EACH	EACH
173+38	-	171+88	RT	100	1	50	1	6
173+04	-	174+42	LT	87.5	1	50	1	6
TOTAL				188	2	100	2	12

RAISED REFLECTIVE PAVEMENT MARKERS				
LOCATION		COMMENT	RAISED REFLECTIVE PAVEMENT MARKERS	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
			78100100	78300200
STATION TO	STATION		EACH	EACH
192+68	367+87	80' Centers	220	1
215+00	64+65	80' Centers	190	1
TOTAL			410	2

PAVEMENT MARKING SCHEDULE										
LOCATION		COMMENT	PAVEMENT MARKING BLACKOUT TAPE, 4"	PAVEMENT MARKING REMOVAL - GRINDING	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING - LINE 4"		PAINT PAVEMENT MARKING - LINE 4"	
			70107004	78300201	70300100	70300150	WHITE	YELLOW	WHITE	YELLOW
STATION TO	STATION		FOOT	SQ FT	FOOT	SQ FT	70300221		78001110	
						FOOT	FOOT	FOOT	FOOT	
192+68	287+81	LT EDGE				9,513		9,513		
217+91	219+79	LT EDGE		63						
289+57	328+72	LT EDGE				3,915		3,915		
329+48	367+87	LT EDGE				3,839		3,839		
367+87	215+00	STA. EQUATION								
215+00	213+96	LT EDGE				104		104		
213+20	143+87	LT EDGE				6,933		6,933		
143+07	90+19	LT EDGE				5,288		5,288		
89+49	64+65	LT EDGE				2,480		2,480		
192+68	193+60	RT EDGE				92		92		
195+60	248+51	RT EDGE				5,291		5,291		
217+93	219+79	RT EDGE		62						
249+27	328+72	RT EDGE				7,945		7,945		
329+48	367+87	RT EDGE				3,839		3,839		
367+87	215+00	STA. EQUATION								
215+00	213+96	RT EDGE				104		104		
213+20	170+40	RT EDGE				4,280		4,280		
169+64	143+86	RT EDGE				2,578		2,578		
143+10	90+67	RT EDGE				5,243		5,243		
88+55	64+65	RT EDGE				2,390		2,390		
216+18	221+44	CL (SKIP DASH)	140							
192+68	367+87	CL (SKIP DASH)		5256	584		4,380		4,380	
367+87	215+00	STA. EQUATION								
215+00	193+00	CL (SKIP DASH)		660	74		550		550	
167+00	64+65	CL (SKIP DASH)		3072	341		2,559		2,559	
193+00	167+00	CL (DOUBLE YELLOW)		780	87		5,200		5,200	
204+00	193+00	NB (NO PASSING ZONE)					1,100		1,100	
92+00	79+00	NB (NO PASSING ZONE)					1,300		1,300	
167+00	160+00	SB (NO PASSING ZONE)					700		700	
77+70	70+80	SB (NO PASSING ZONE)					690		690	
SUBTOTAL						63834	16479	63834	16479	
TOTAL			140	125	9768	1086	80,313	80,313		

DELINEATOR SCHEDULE			
LOCATION		DELINEATORS	
STATION TO	STATION	LOCATION	SINGLE REFLECTOR
			63500105
			EACH
203+05	187+23	RT	12
203+05	187+23	LT	12
182+81	166+93	RT	12
182+81	166+93	LT	12
TOTAL			48

MANHOLE ADJUSTMENT SCHEDULE		
STATION	LOCATION	MANHOLES TO BE ADJUSTED
		60255500
		EACH
333+01	LT	1
341+25	LT	1
352+90	LT	1
TOTAL		3

SURVEY MARKER, TYPE 1 (SPECIAL)					
NORTHING	EASTING	LOCATION	OFFSET	COMMENT	SURVEY MARKER TYPE 1 (SPECIAL)
					XZ193300
					EACH
1213989.276	1160619.707	329+10.16	1.62' LT	RR SPIKE	1
1208652.866	1160700.407	275+73.13	3.84' LT	DISK	1
1205966.658	1160747.596	248+86.52	2.04' RT	DISK	1
TOTAL					3

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 PLOT DATE = 1/25/2024

DESIGNED -  
 DRAWN -  
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 DATE -

REVISED -  
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**  
 SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	21
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

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 USER: tlopez  
 PLOT DATE: 11/30/2023

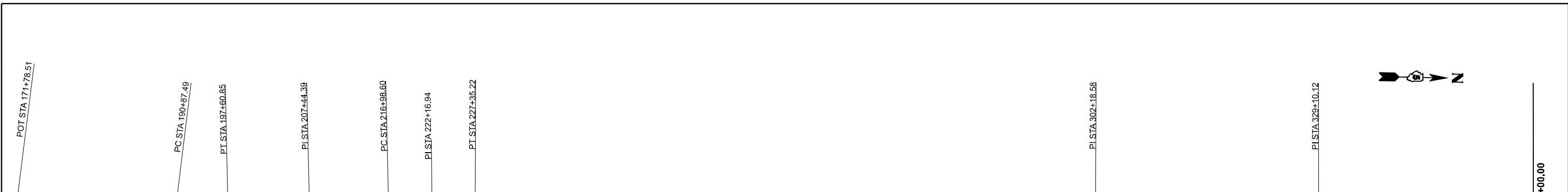
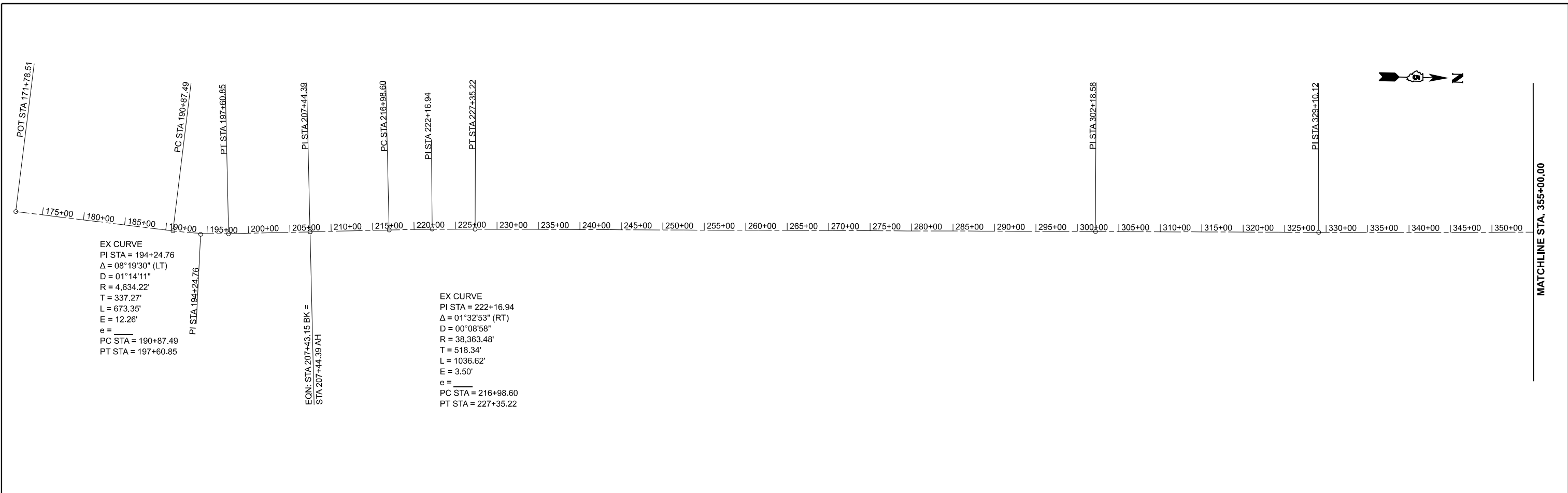
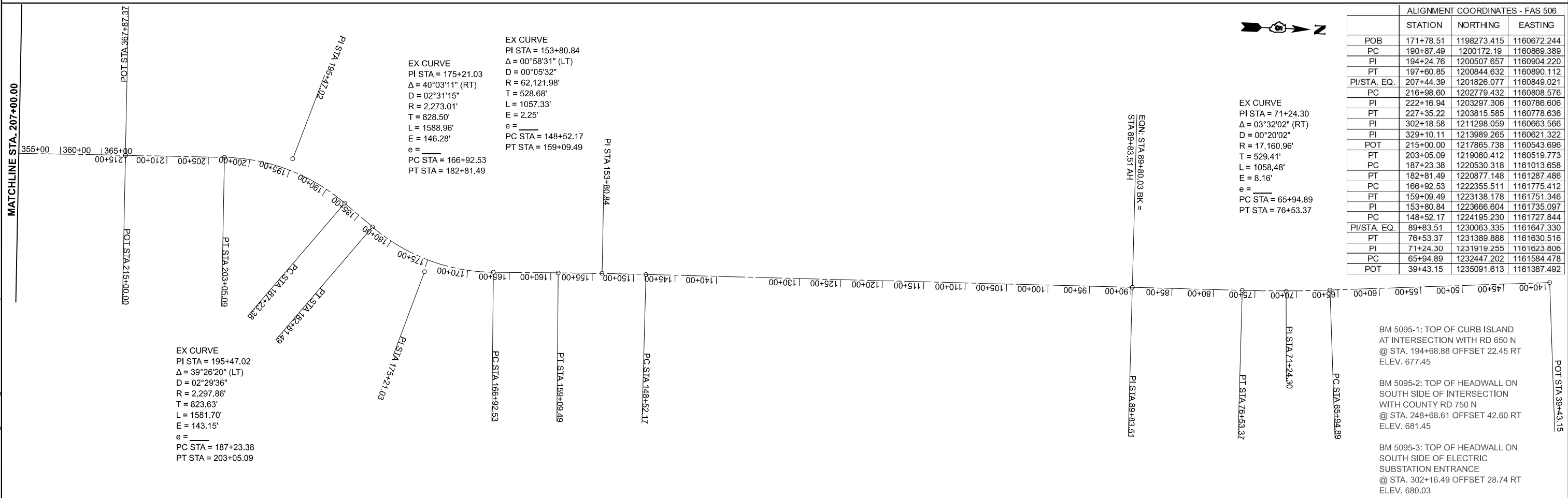


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

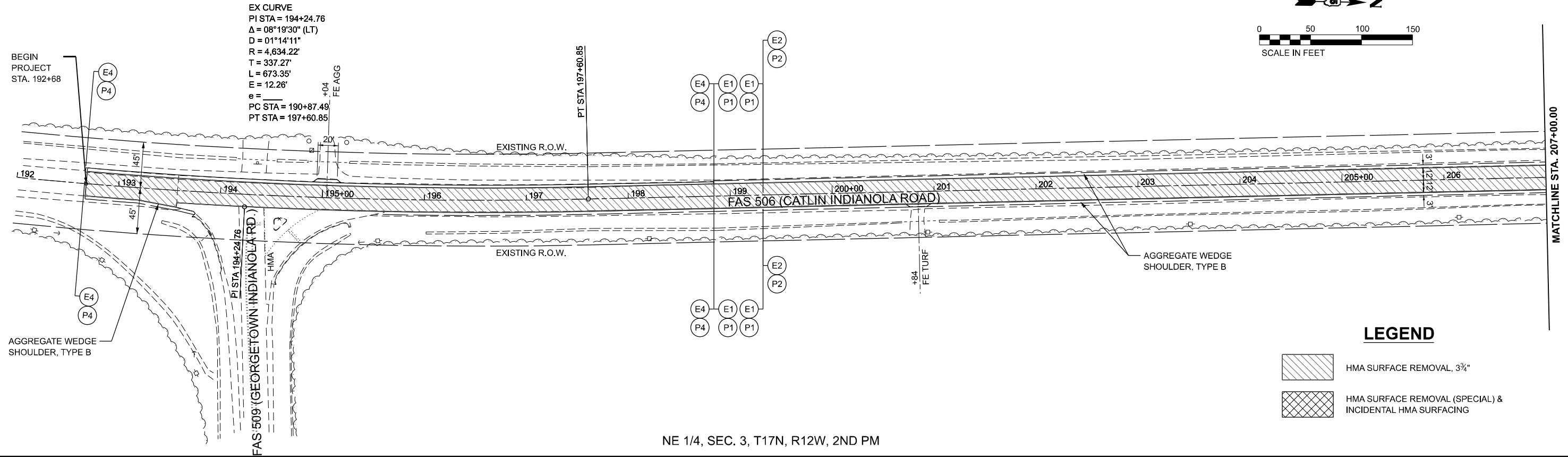
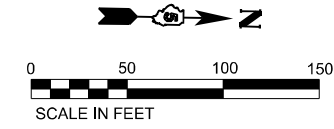
<b>FAS 506 (CATLIN INDIANOLA RD) ALIGNMENT AND BENCHMARKS</b>	
SCALE: 1" = 600'	SHEET 1 OF 1 SHEETS
STA. 171+78.51	TO STA. 39+43.15

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5.79,72)RS-1 & (34) RS-2 & 85-1	VERMILION	65	22
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				



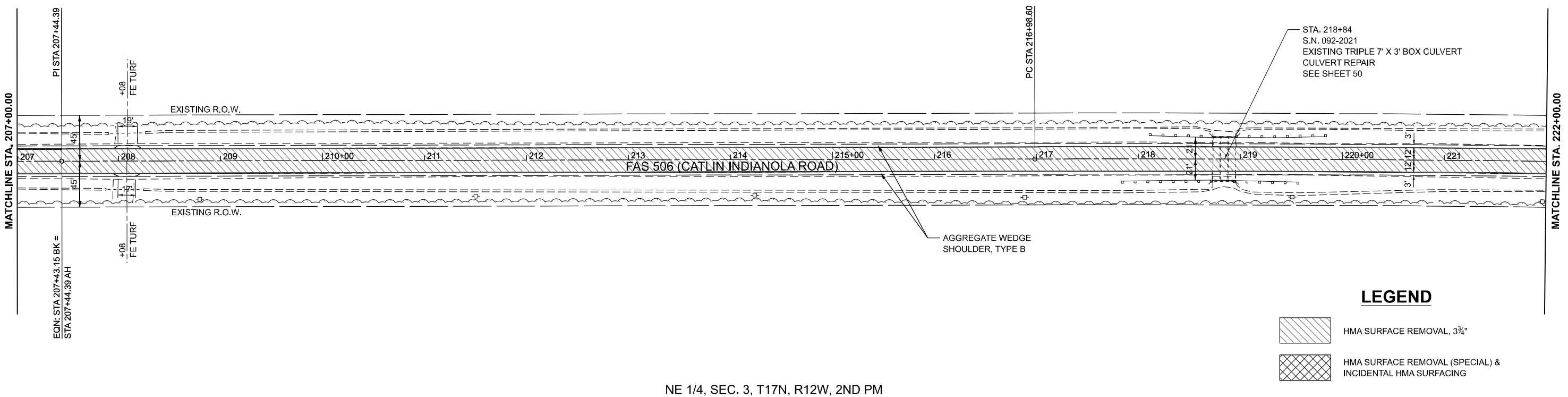
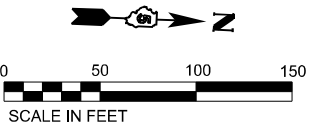


NW 1/4, SEC. 3, T17N, R12W, 2ND PM



NE 1/4, SEC. 3, T17N, R12W, 2ND PM

NW 1/4, SEC. 3, T17N, R12W, 2ND PM



NE 1/4, SEC. 3, T17N, R12W, 2ND PM

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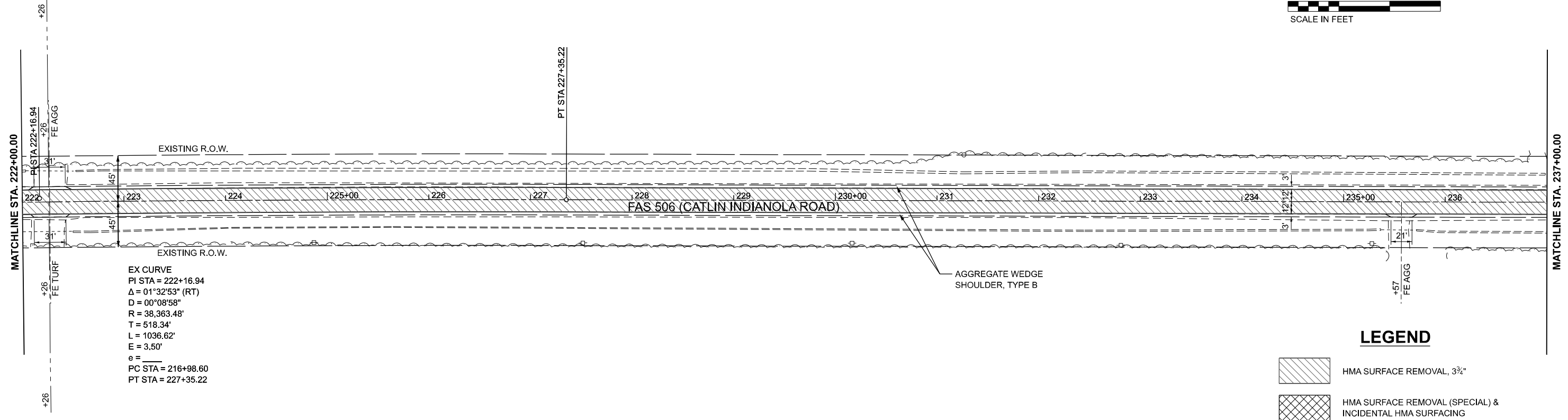
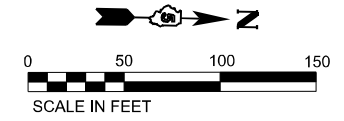
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	DATE - 05/18/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FAS 506 (CATLIN INDIANOLA RD)	
PLAN SHEET	
SCALE: 1" = 50'	SHEET 1 OF 12 SHEETS
STA. 192+00.00	TO STA. 222+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	23
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

SW 1/4, SEC. 34, T18N, R12W, 2ND PM



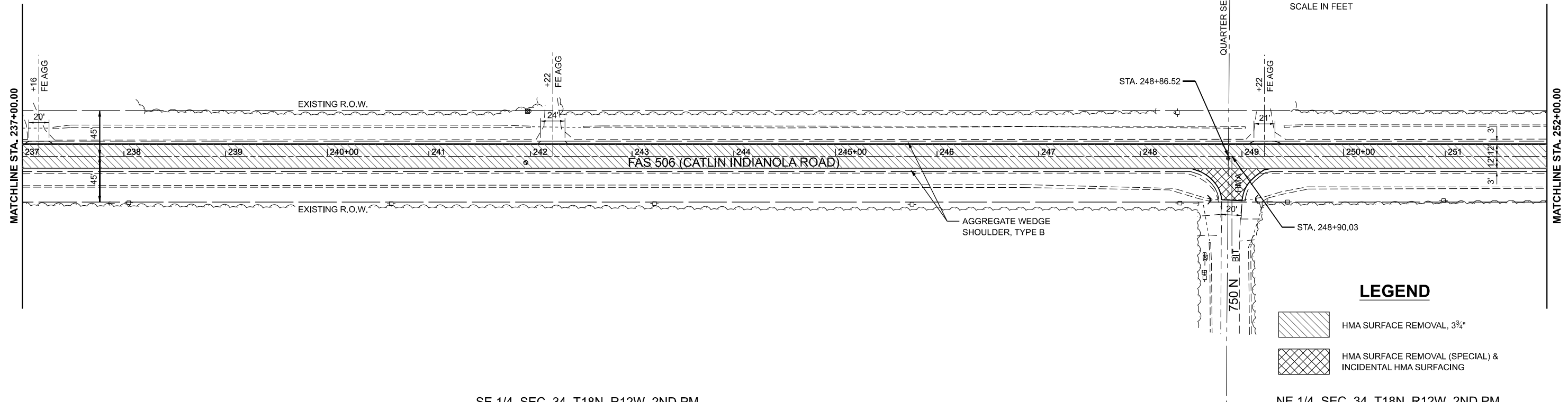
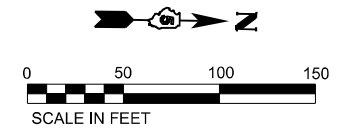
**LEGEND**

- HMA SURFACE REMOVAL, 3 3/4"
- HMA SURFACE REMOVAL (SPECIAL) & INCIDENTAL HMA SURFACING

SE 1/4, SEC. 34, T18N, R12W, 2ND PM

SW 1/4, SEC. 34, T18N, R12W, 2ND PM

NW 1/4, SEC. 34, T18N, R12W, 2ND PM



**LEGEND**

- HMA SURFACE REMOVAL, 3 3/4"
- HMA SURFACE REMOVAL (SPECIAL) & INCIDENTAL HMA SURFACING

SE 1/4, SEC. 34, T18N, R12W, 2ND PM

NE 1/4, SEC. 34, T18N, R12W, 2ND PM

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DRAWN	- MMY	REVISIONS	-	REVISIONS	-
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PLOT DATE	= 1/15/2024				

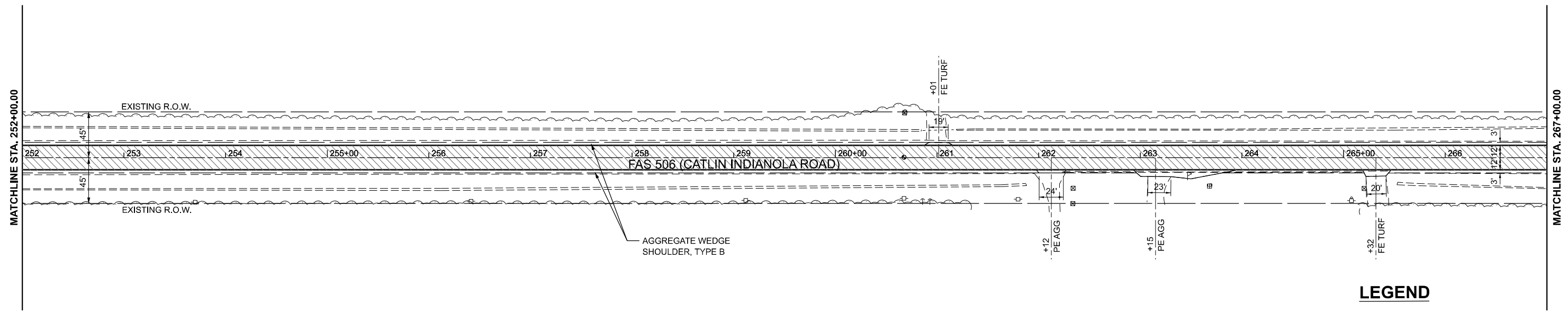
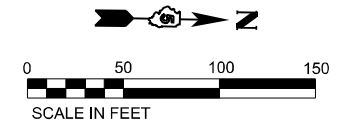
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAS 506 (CATLIN INDIANOLA RD)  
PLAN SHEET**

SCALE: 1" = 50'    SHEET 2 OF 12 SHEETS    STA. 222+00.00 TO STA. 252+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&5-1	VERMILION	65	24
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

NW 1/4, SEC. 34, T18N, R12W, 2ND PM



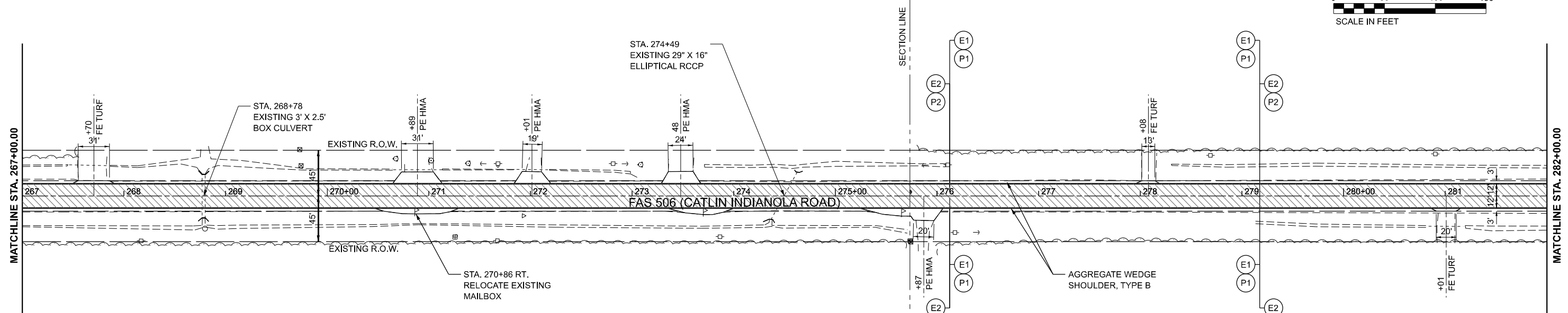
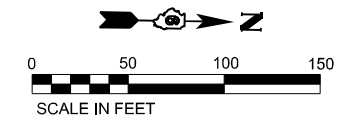
**LEGEND**

- HMA SURFACE REMOVAL, 3 3/4"
- HMA SURFACE REMOVAL (SPECIAL) & INCIDENTAL HMA SURFACING

NE 1/4, SEC. 34, T18N, R12W, 2ND PM

NW 1/4, SEC. 34, T18N, R12W, 2ND PM

SW 1/4, SEC. 27, T18N, R12W, 2ND PM



**LEGEND**

- HMA SURFACE REMOVAL, 3 3/4"
- HMA SURFACE REMOVAL (SPECIAL) & INCIDENTAL HMA SURFACING

NE 1/4, SEC. 34, T18N, R12W, 2ND PM

SE 1/4, SEC. 27, T18N, R12W, 2ND PM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAS 506 (CATLIN INDIANOLA RD)  
PLAN SHEET**

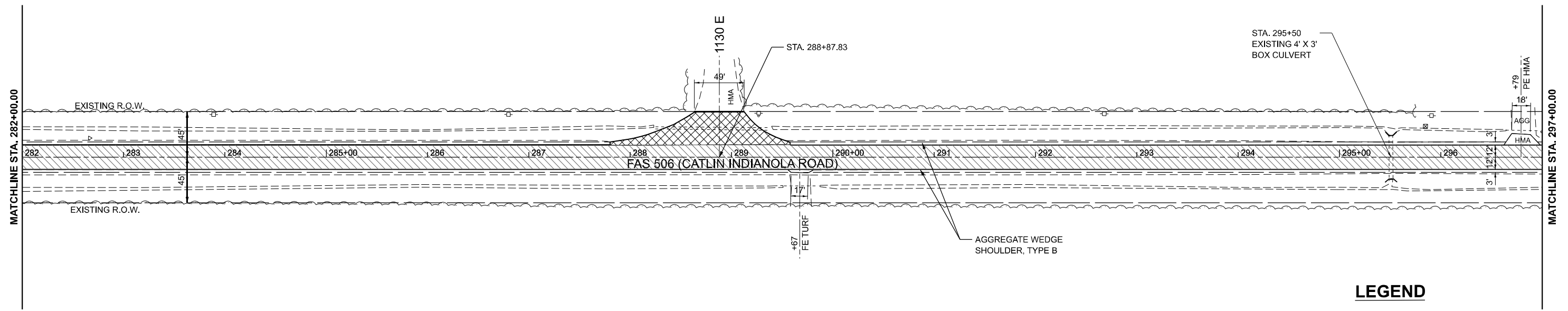
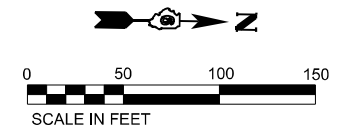
SCALE: 1" = 50' SHEET 3 OF 12 SHEETS STA. 252+00.00 TO STA. 282+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&5-1	VERMILION	65	25

CONTRACT NO. 70B07

ILLINOIS FED. AID PROJECT

SW 1/4, SEC. 27, T18N, R12W, 2ND PM



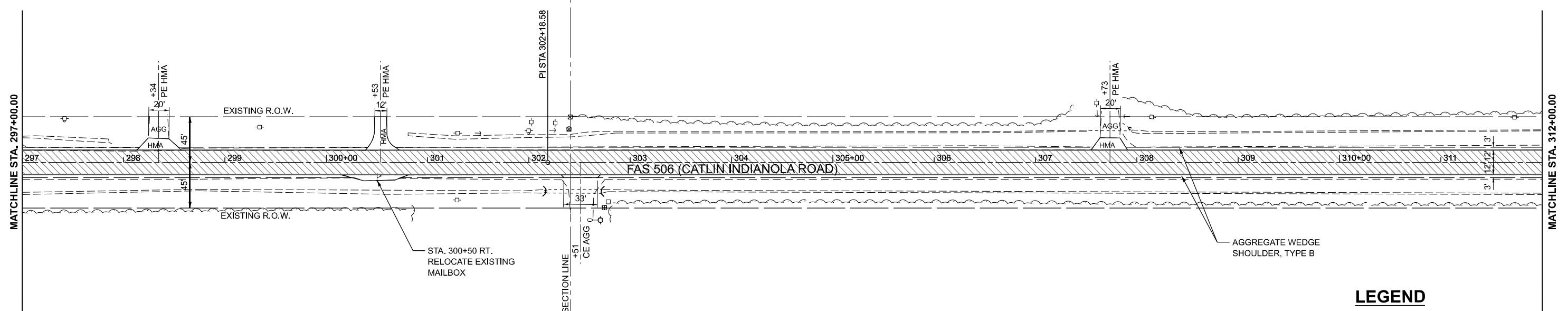
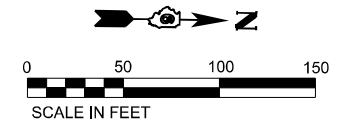
**LEGEND**

- HMA SURFACE REMOVAL, 3 3/4"
- HMA SURFACE REMOVAL (SPECIAL) & INCIDENTAL HMA SURFACING

SE 1/4, SEC. 27, T18N, R12W, 2ND PM

SW 1/4, SEC. 27, T18N, R12W, 2ND PM

NW 1/4, SEC. 27, T18N, R12W, 2ND PM



**LEGEND**

- HMA SURFACE REMOVAL, 3 3/4"
- HMA SURFACE REMOVAL (SPECIAL) & INCIDENTAL HMA SURFACING

SE 1/4, SEC. 27, T18N, R12W, 2ND PM

NE 1/4, SEC. 27, T18N, R12W, 2ND PM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

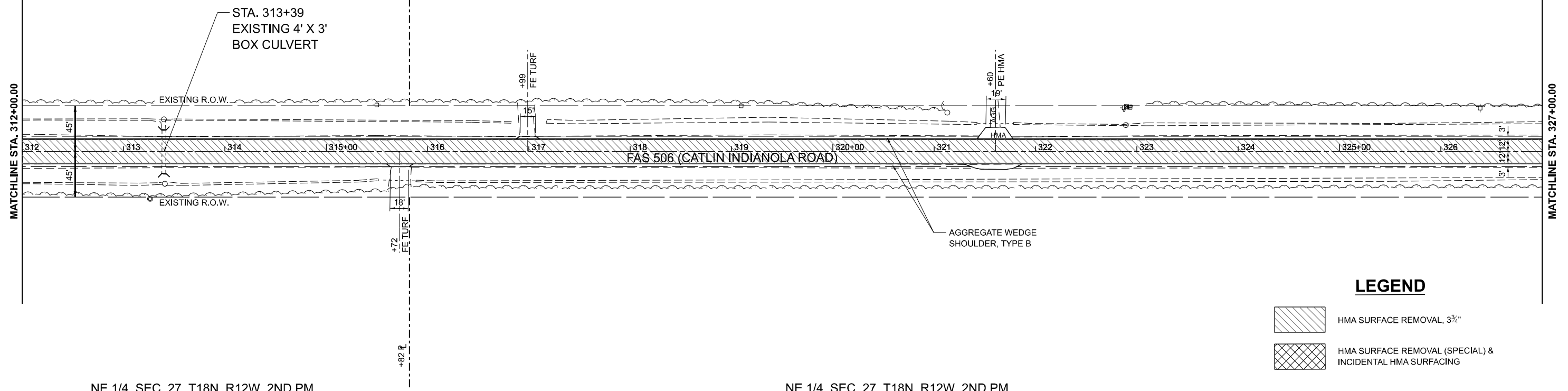
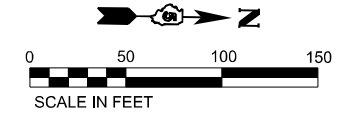
**FAS 506 (CATLIN INDIANOLA RD)  
PLAN SHEET**

SCALE: 1" = 50'      SHEET 4 OF 12 SHEETS      STA. 282+00.00 TO STA. 312+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79.72)RS-1&(34)RS-2&5-1	VERMILION	65	26
				CONTRACT NO. 70B07
ILLINOIS FED. AID PROJECT				

NW 1/4, SEC. 27, T18N, R12W, 2ND PM

NW 1/4, SEC. 27, T18N, R12W, 2ND PM



NE 1/4, SEC. 27, T18N, R12W, 2ND PM

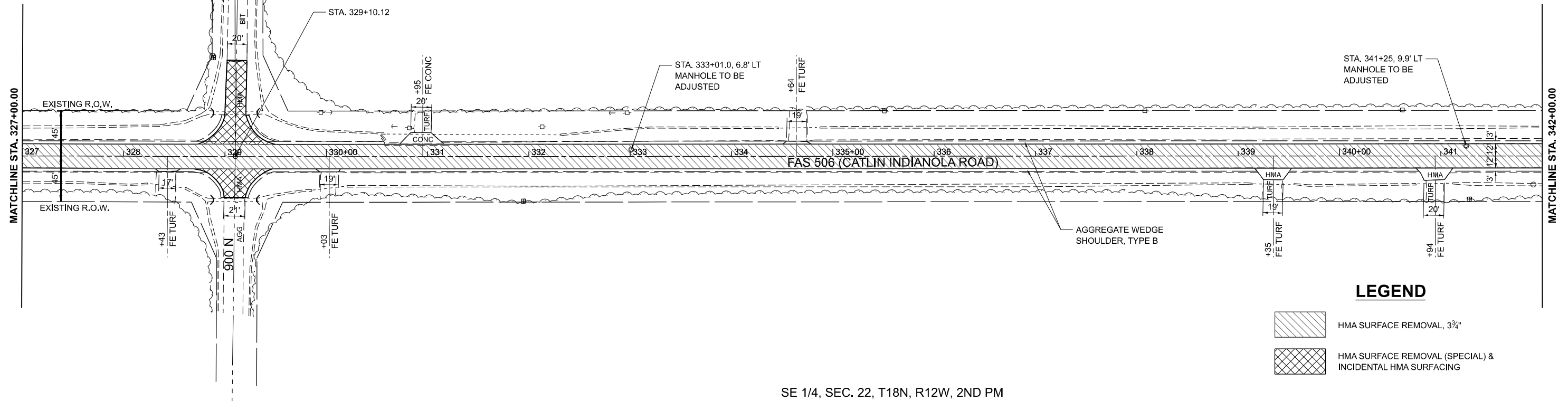
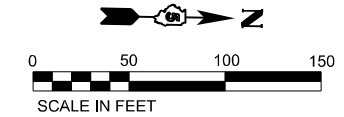
NE 1/4, SEC. 27, T18N, R12W, 2ND PM

**LEGEND**

- HMA SURFACE REMOVAL, 3 3/4"
- HMA SURFACE REMOVAL (SPECIAL) & INCIDENTAL HMA SURFACING

NW 1/4, SEC. 22, T18N, R12W, 2ND PM

SW 1/4, SEC. 22, T18N, R12W, 2ND PM



SE 1/4, SEC. 22, T18N, R12W, 2ND PM

**LEGEND**

- HMA SURFACE REMOVAL, 3 3/4"
- HMA SURFACE REMOVAL (SPECIAL) & INCIDENTAL HMA SURFACING

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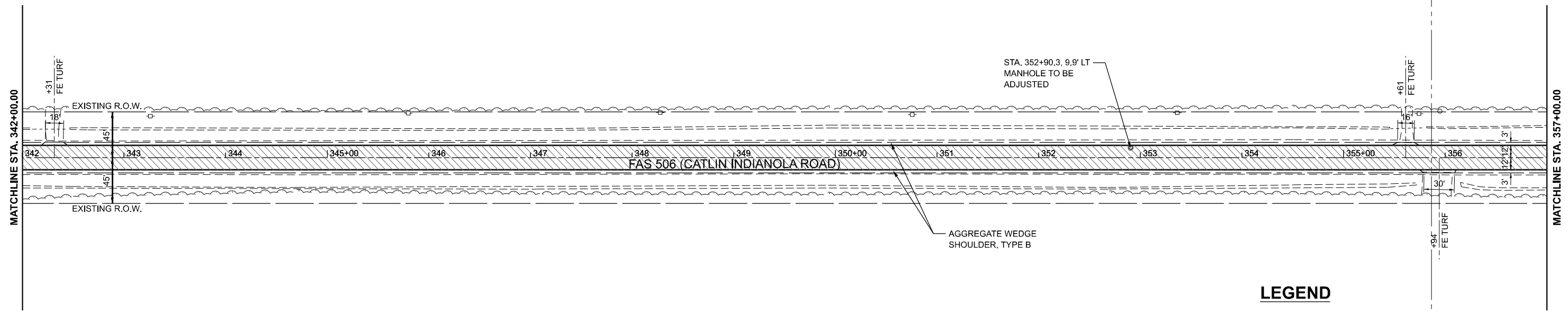
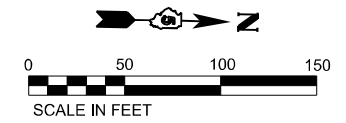
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAS 506 (CATLIN INDIANOLA RD)  
PLAN SHEET**

SCALE: 1" = 50'     SHEET 5 OF 12 SHEETS     STA. 312+00.00 TO STA. 342+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&5-1	VERMILION	65	27
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

SW 1/4, SEC. 22, T18N, R12W, 2ND PM

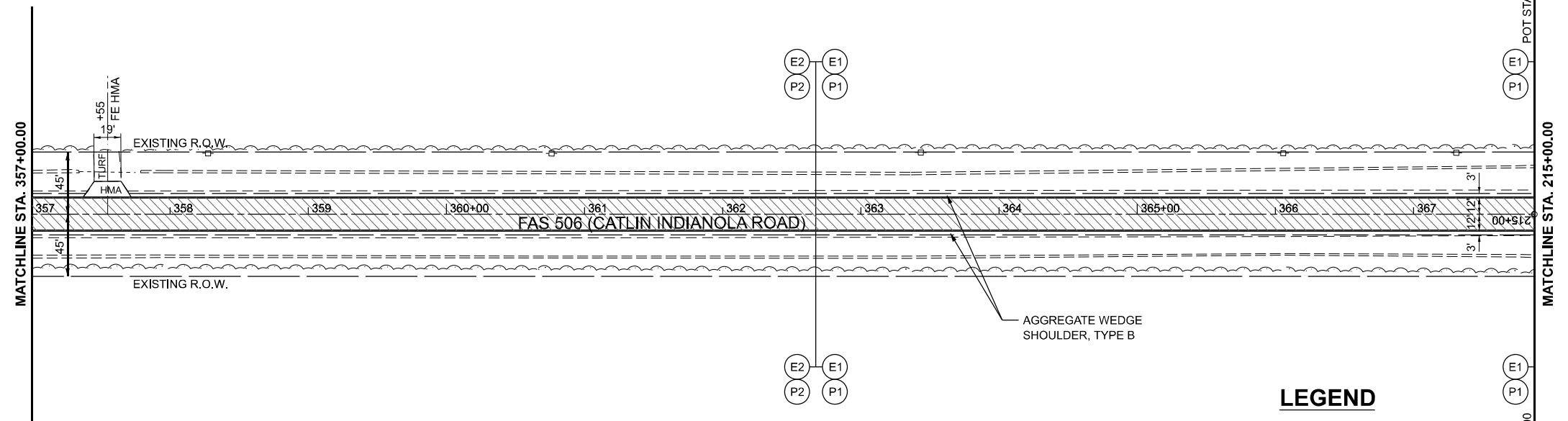
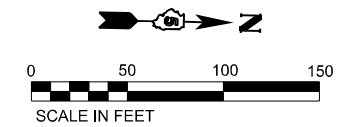


**LEGEND**

- HMA SURFACE REMOVAL, 3 3/4"
- HMA SURFACE REMOVAL (SPECIAL) & INCIDENTAL HMA SURFACING

SE 1/4, SEC. 22, T18N, R12W, 2ND PM

NW 1/4, SEC. 22, T18N, R12W, 2ND PM



**LEGEND**

- HMA SURFACE REMOVAL, 3 3/4"
- HMA SURFACE REMOVAL (SPECIAL) & INCIDENTAL HMA SURFACING

NE 1/4, SEC. 22, T18N, R12W, 2ND PM

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PLOT DATE = 1/15/2024	CHECKED - KLK	REVISED -
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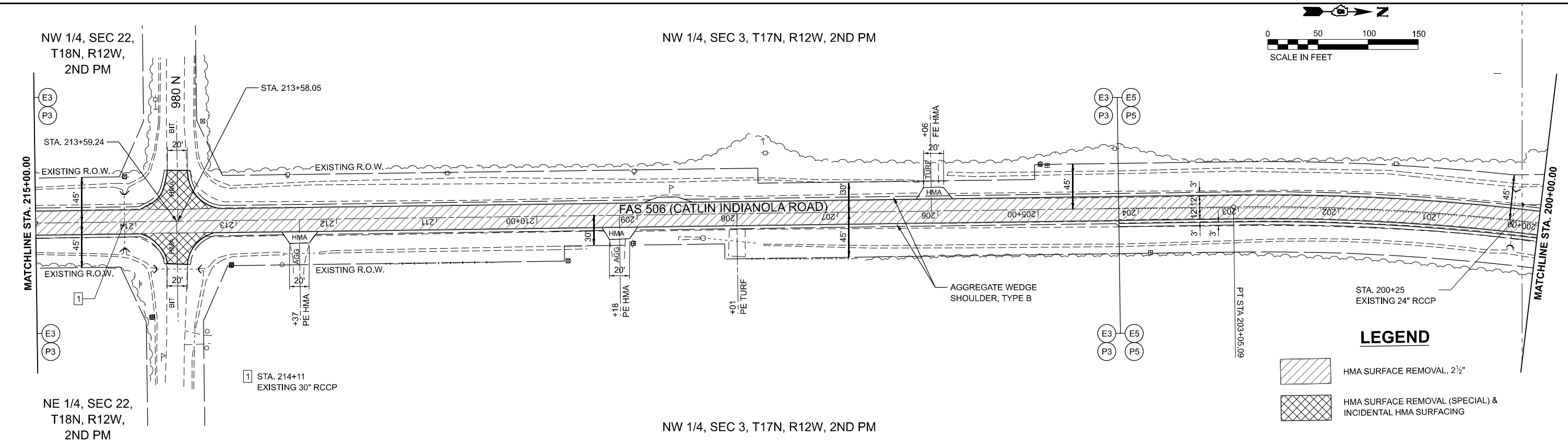
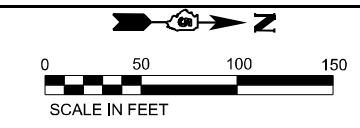
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAS 506 (CATLIN INDIANOLA RD)  
PLAN SHEET**

SCALE: 1" = 50'    SHEET 6 OF 12 SHEETS    STA. 342+00.00 TO STA. 215+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	28
CONTRACT NO. 70B07				
ILLINOIS   FED. AID PROJECT				

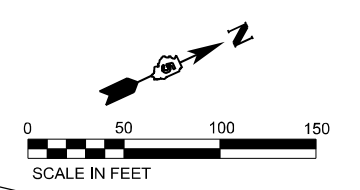
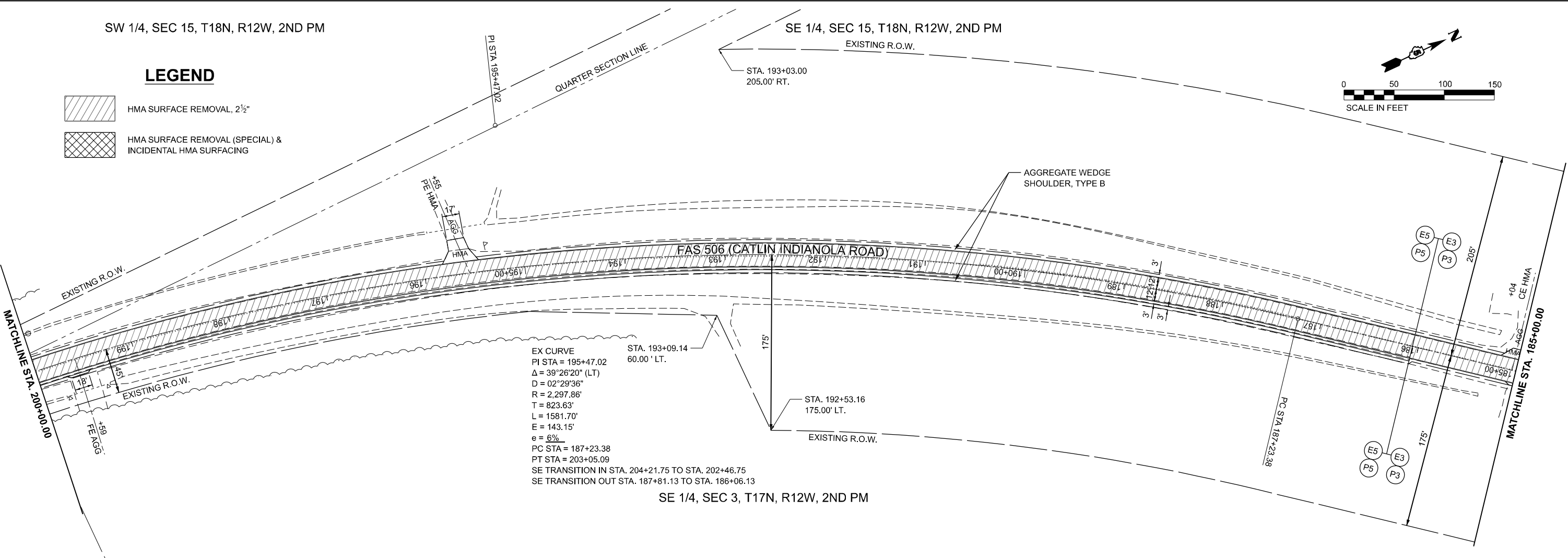




**LEGEND**

	HMA SURFACE REMOVAL, 2 1/2"
	HMA SURFACE REMOVAL (SPECIAL) & INCIDENTAL HMA SURFACING

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**KT** KUHN & TRELLO  
CONSULTING ENGINEERS  
A Limited Liability Company  
309 N. 7th Street, 3rd Floor  
Springfield, IL 62701  
Phone: 217-619-0044

USER NAME = msuheard	DESIGNED - JRS	REVISED -
PLOT SCALE = 0.16666833' / in.	DRAWN - MMY	REVISED -
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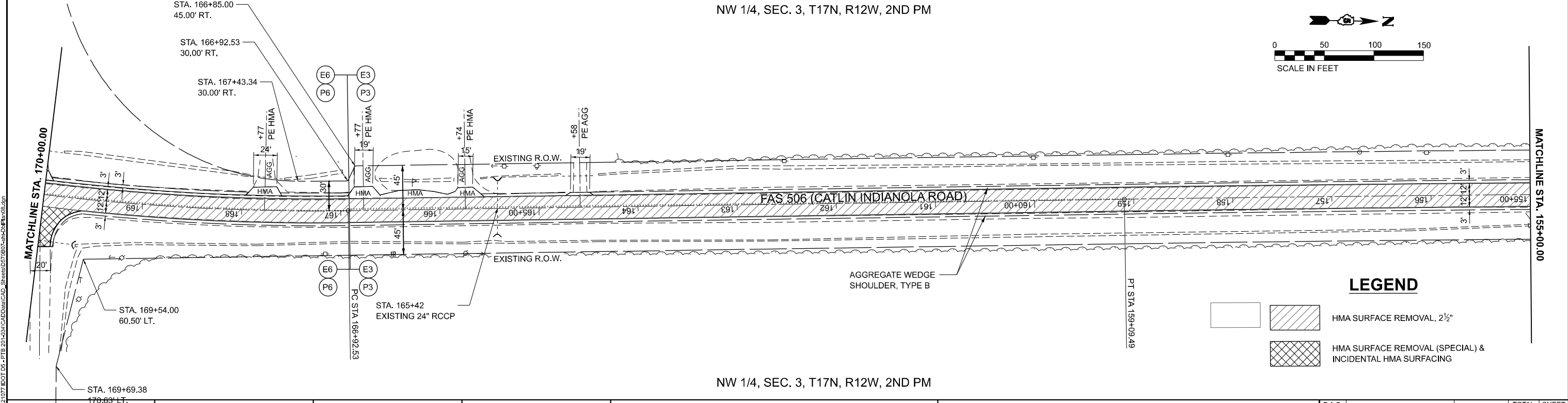
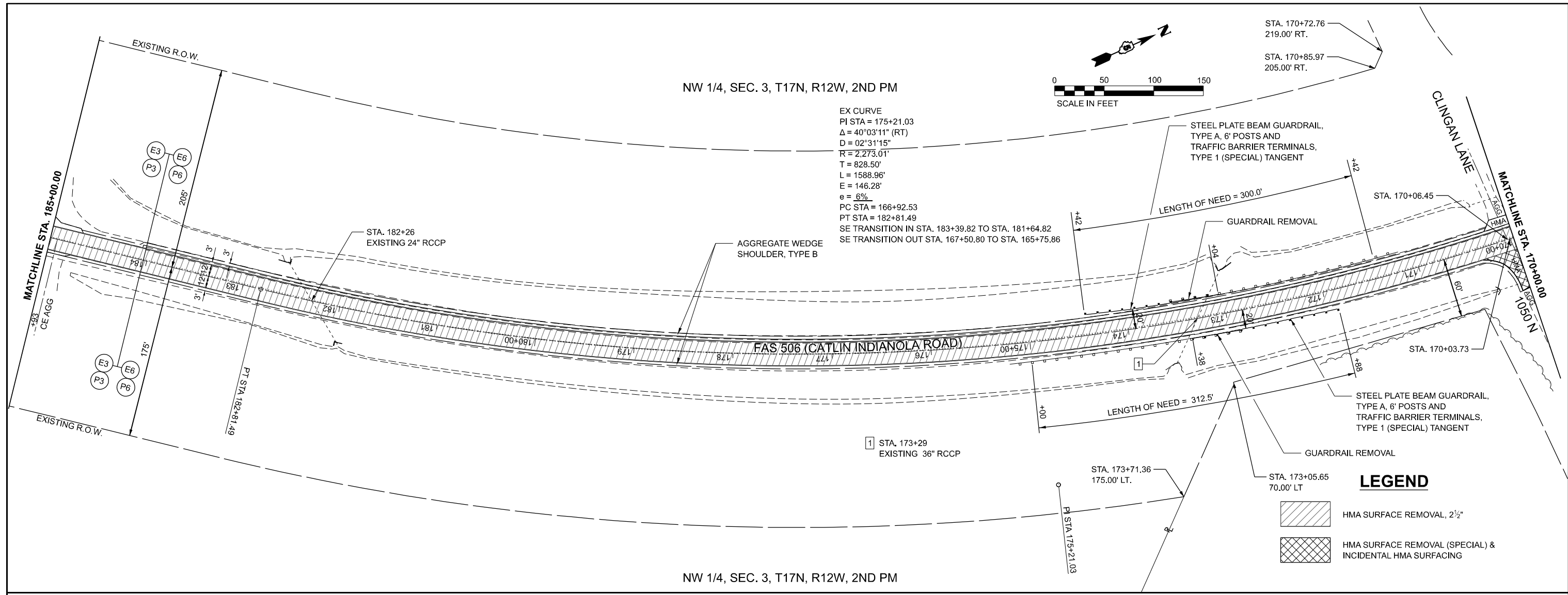
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAS 506 (CATLIN INDIANOLA RD)  
PLAN SHEET**

SCALE: 1" = 50'      SHEET 7 OF 12 SHEETS      STA. 214+00.00 TO STA. 185+00.00

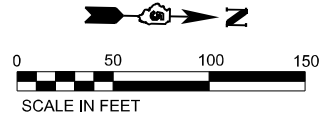
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CONTRACT NO. 70B07				

ILLINOIS FED. AID PROJECT

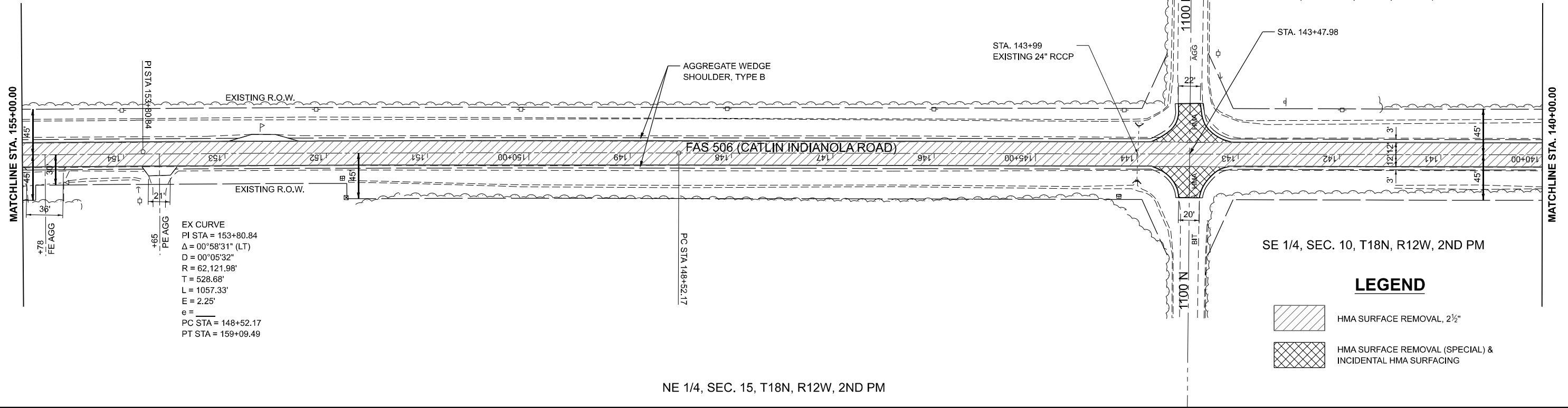


 KUHN & TRELLO CONSULTING ENGINEERS A Limited Liability Company 309 N. 7th Street, 3rd Floor Springfield, IL 62701 Phone: 217-618-0044	USER NAME = msutheard DESIGNED - JRS DRAWN - MMY CHECKED - KLK DATE - 05/18/2023	REVISED - REVISED - REVISED - REVISED -	F.A.S. RTE. 506 SECTION (5,79,72)RS-1&(34)RS-2&85-1 COUNTY VERMILION TOTAL SHEETS 65 SHEET NO. 30 CONTRACT NO. 70B07	SCALE: 1" = 50' SHEET 8 OF 12 SHEETS STA. 185+00.00 TO STA. 155+00.00	ILLINOIS FED. AID PROJECT
	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>			<b>FAS 506 (CATLIN INDIANOLA RD)          PLAN SHEET</b>	

NE 1/4, SEC. 15, T18N, R12W, 2ND PM

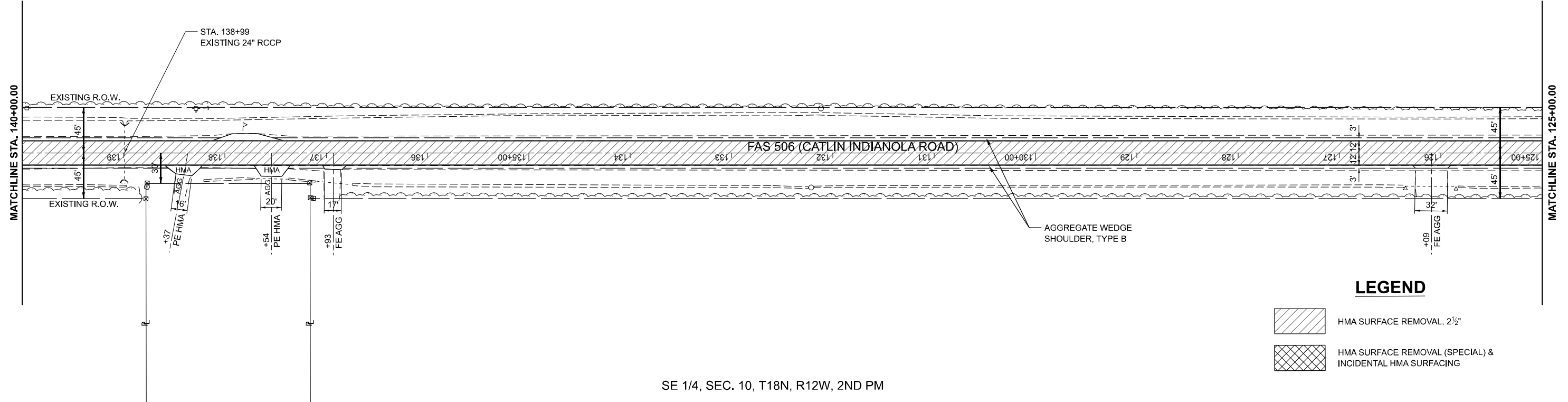
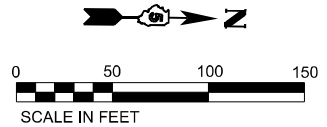


SE 1/4, SEC. 10, T18N, R12W, 2ND PM



NE 1/4, SEC. 15, T18N, R12W, 2ND PM

SE 1/4, SEC. 10, T18N, R12W, 2ND PM



SE 1/4, SEC. 10, T18N, R12W, 2ND PM

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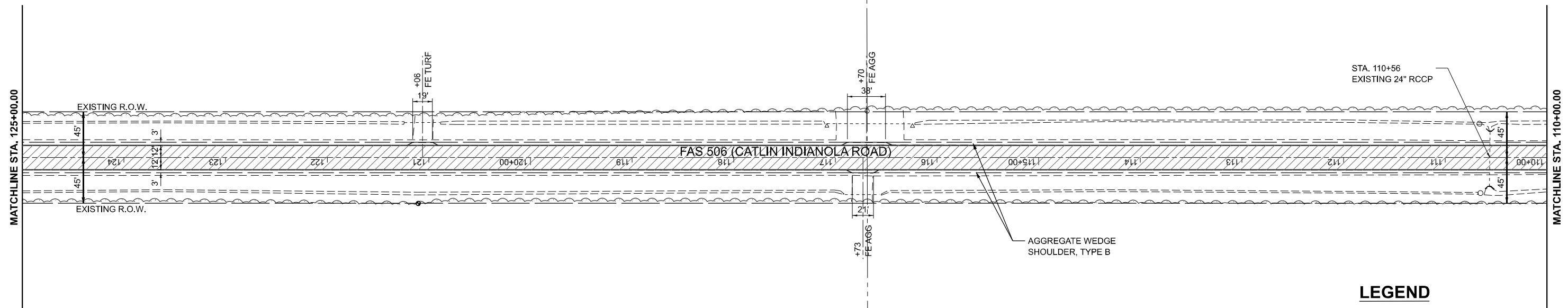
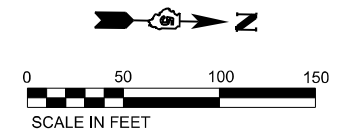
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FAS 506 (CATLIN INDIANOLA RD)  
PLAN SHEET  
SCALE: 1" = 50'  
SHEET 9 OF 12 SHEETS  
STA. 155+00.00 TO STA. 125+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79.72)RS-1&(34)RS-2&85-1	VERMILION	65	31
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

SE 1/4, SEC. 10, T18N, R12W, 2ND PM

NE 1/4, SEC. 10, T18N, R12W, 2ND PM

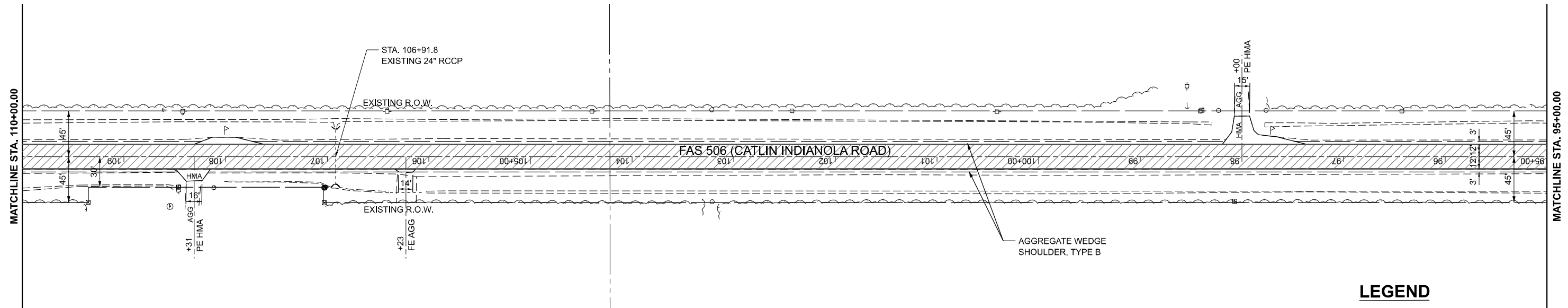
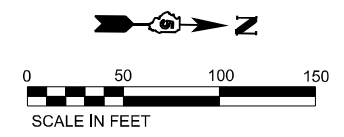


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NE 1/4, SEC. 10, T18N, R12W, 2ND PM

NE 1/4, SEC. 10, T18N, R12W, 2ND PM

NE 1/4, SEC. 10, T18N, R12W, 2ND PM



NE 1/4, SEC. 10, T18N, R12W, 2ND PM

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

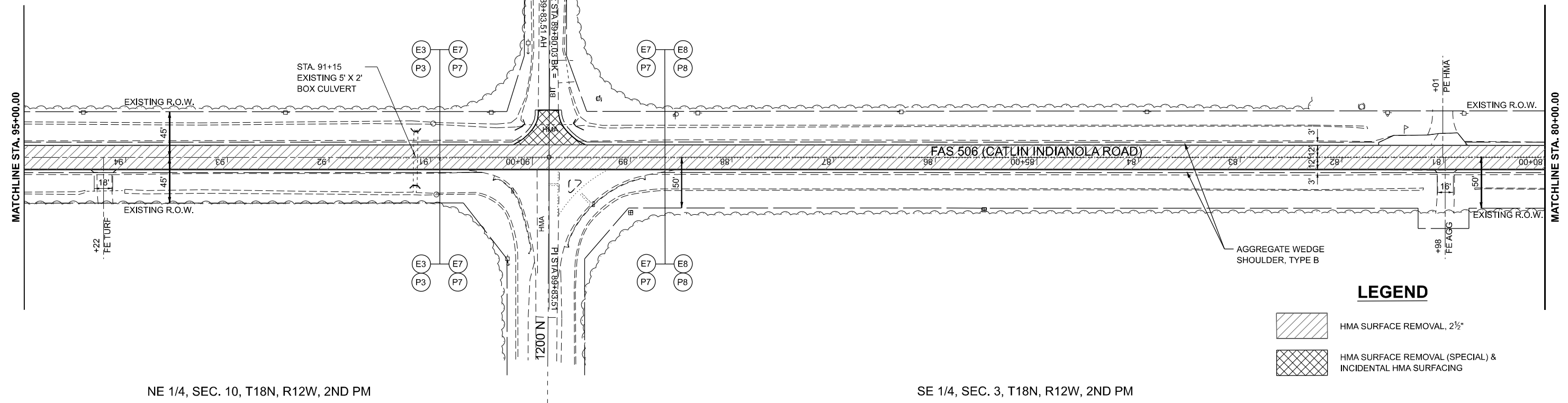
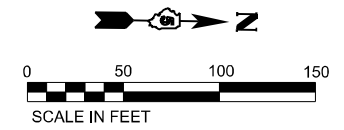
FAS 506 (CATLIN INDIANOLA RD)  
PLAN SHEET

SCALE: 1" = 50' SHEET 10 OF 12 SHEETS STA. 125+00.00 TO STA. 95+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79.72)RS-1&(34)RS-2&85-1	VERMILION	65	32
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

NE 1/4, SEC. 10, T18N, R12W, 2ND PM

SE 1/4, SEC. 3, T18N, R12W, 2ND PM



**LEGEND**

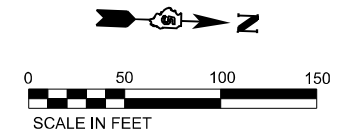
- HMA SURFACE REMOVAL, 2 1/2"
- HMA SURFACE REMOVAL (SPECIAL) & INCIDENTAL HMA SURFACING

NE 1/4, SEC. 10, T18N, R12W, 2ND PM

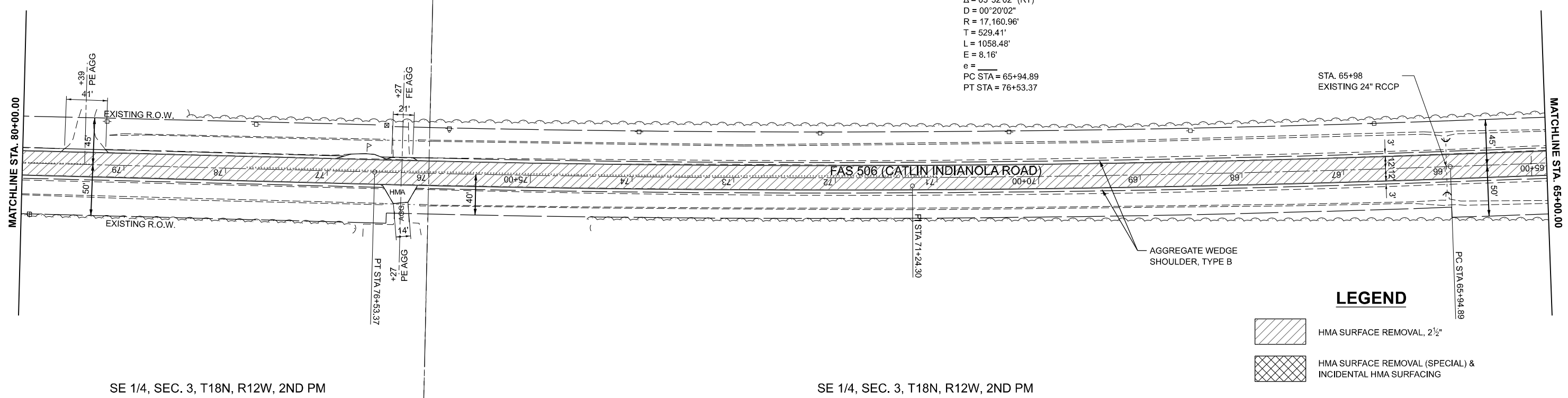
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SE 1/4, SEC. 3, T18N, R12W, 2ND PM

SE 1/4, SEC. 3, T18N, R12W, 2ND PM



EX CURVE  
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 $D = 00^{\circ}20'02''$   
 $R = 17,160.96'$   
 $T = 529.41'$   
 $L = 1058.48'$   
 $E = 8.16'$   
 $e =$   
 $PC STA = 65+94.89$   
 $PT STA = 76+53.37$



**LEGEND**

- HMA SURFACE REMOVAL, 2 1/2"
- HMA SURFACE REMOVAL (SPECIAL) & INCIDENTAL HMA SURFACING

SE 1/4, SEC. 3, T18N, R12W, 2ND PM

SE 1/4, SEC. 3, T18N, R12W, 2ND PM

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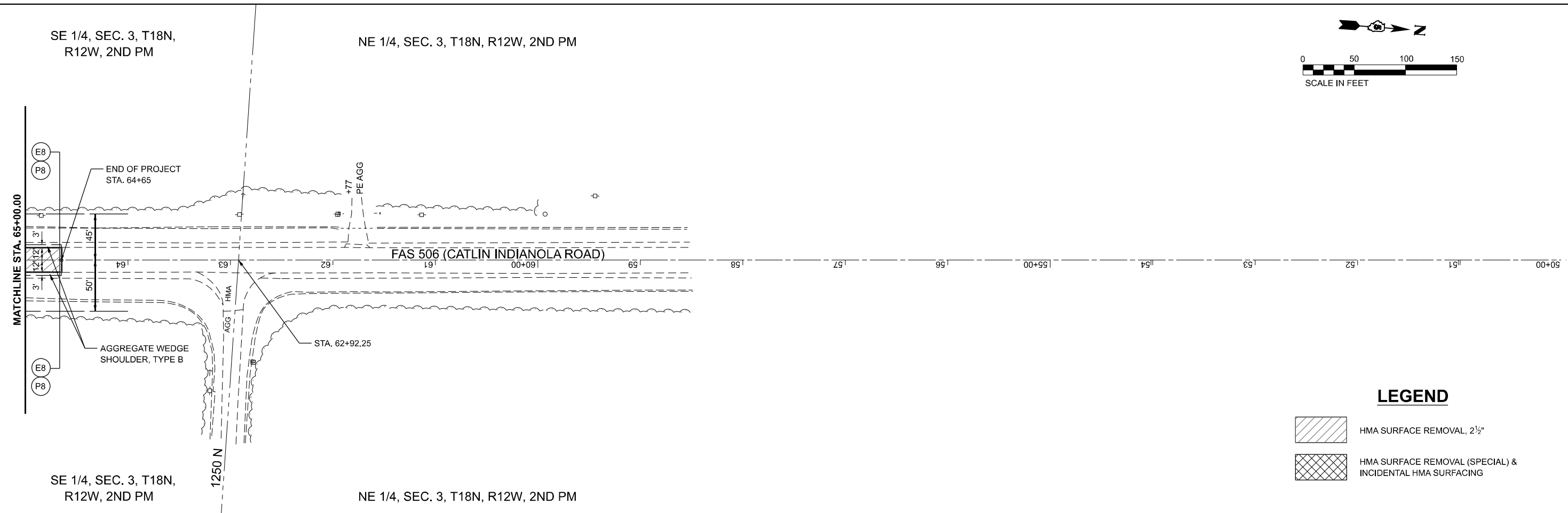
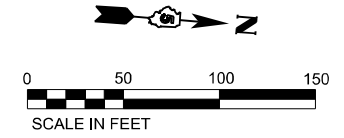
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PLOT DATE	= 1/15/2024

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>FAS 506 (CATLIN INDIANOLA RD)</b>	
<b>PLAN SHEET</b>	
SCALE: 1" = 50'	SHEET 11 OF 12 SHEETS
STA. 95+00.00	TO STA. 65+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	33
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- HMA SURFACE REMOVAL, 2 1/2"
- HMA SURFACE REMOVAL (SPECIAL) & INCIDENTAL HMA SURFACING

FILE: J:\21077\DOT\DOT-D5-PTB-201-034\CADD\Drawings\Drawings\506\506-12.dgn  
 PLOT DATE: 1/15/2024  
 PLOT SCALE: 0.16666633 1/In.  
 PLOT DATE: 1/15/2024



USER NAME = msutheard	DESIGNED - JRS	REVISED -
DRAWN - MMY	REVISED -	
CHECKED - KLK	REVISED -	
DATE - 05/18/2023	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

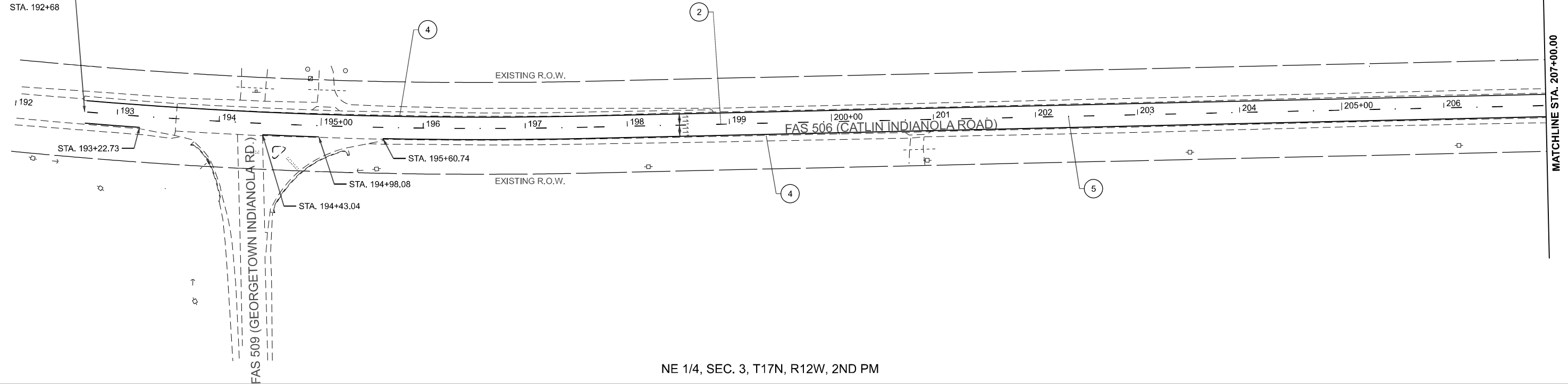
<b>FAS 506 (CATLIN INDIANOLA RD) PLAN SHEET</b>	
SCALE: 1" = 50'	SHEET 12 OF 12 SHEETS
STA. 65+00.00	TO STA. 50+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	34
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

NW 1/4, SEC. 3, T17N, R12W, 2ND PM



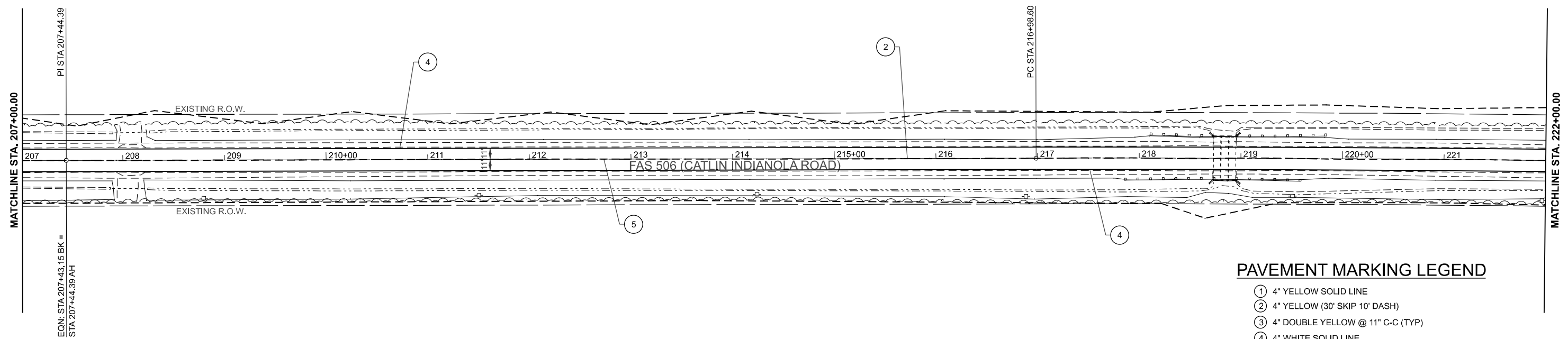
BEGIN PROJECT  
STA. 192+68



MATCHLINE STA. 207+00.00

NE 1/4, SEC. 3, T17N, R12W, 2ND PM

NW 1/4, SEC. 3, T17N, R12W, 2ND PM



MATCHLINE STA. 207+00.00

MATCHLINE STA. 222+00.00

**PAVEMENT MARKING LEGEND**

- ① 4" YELLOW SOLID LINE
- ② 4" YELLOW (30' SKIP 10' DASH)
- ③ 4" DOUBLE YELLOW @ 11" C-C (TYP)
- ④ 4" WHITE SOLID LINE
- ⑤ TWO-WAY AMBER MARKER (80' O.C.)

NE 1/4, SEC. 3, T17N, R12W, 2ND PM

FILE: P:\2023\ME3012\PTB 201-034\_05 Vermilion\_L&T\CADD\SHS\15070907-4th\PMK\01.dgn  
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USER NAME = tlopez	DESIGNED - MJR	REVISED -
DRAWN - TJL	REVISED -	
CHECKED - ERO	REVISED -	
DATE - 11/30/2023	REVISED -	

DESIGNED - MJR	REVISED -
DRAWN - TJL	REVISED -
CHECKED - ERO	REVISED -
DATE - 11/30/2023	REVISED -

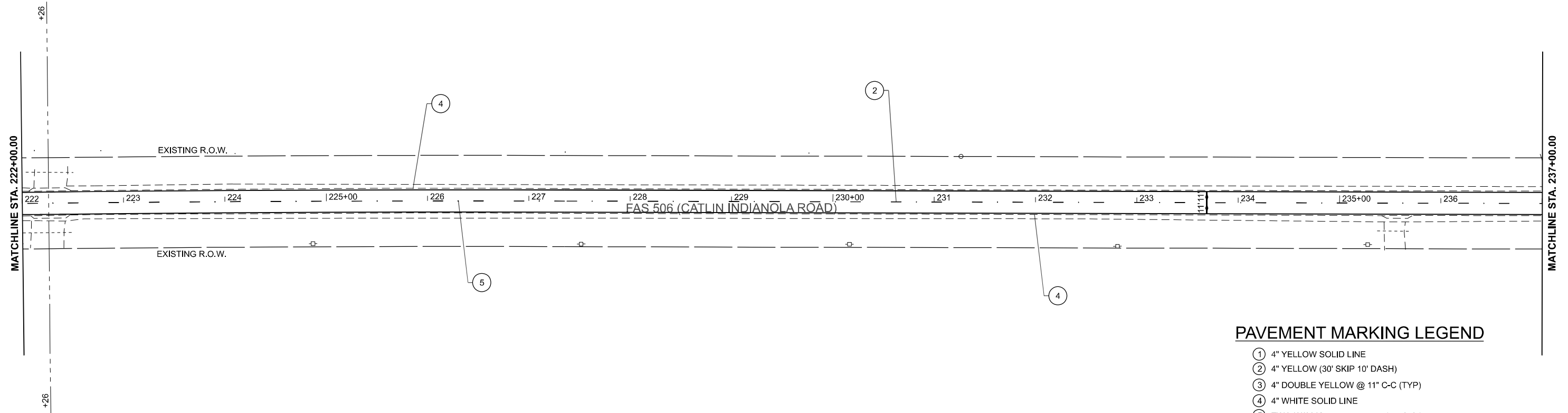
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAS 506 (CATLIN INDIANOLA RD)  
PAVEMENT MARKING PLAN**

SCALE: 1" = 50'      SHEET 1 OF 12 SHEETS      STA. 192+00.00 TO STA. 222+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5.79,72)RS-1 & (34) RS-2 & 85-1	VERMILION	65	35
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

SW 1/4, SEC. 34, T18N, R12W, 2ND PM



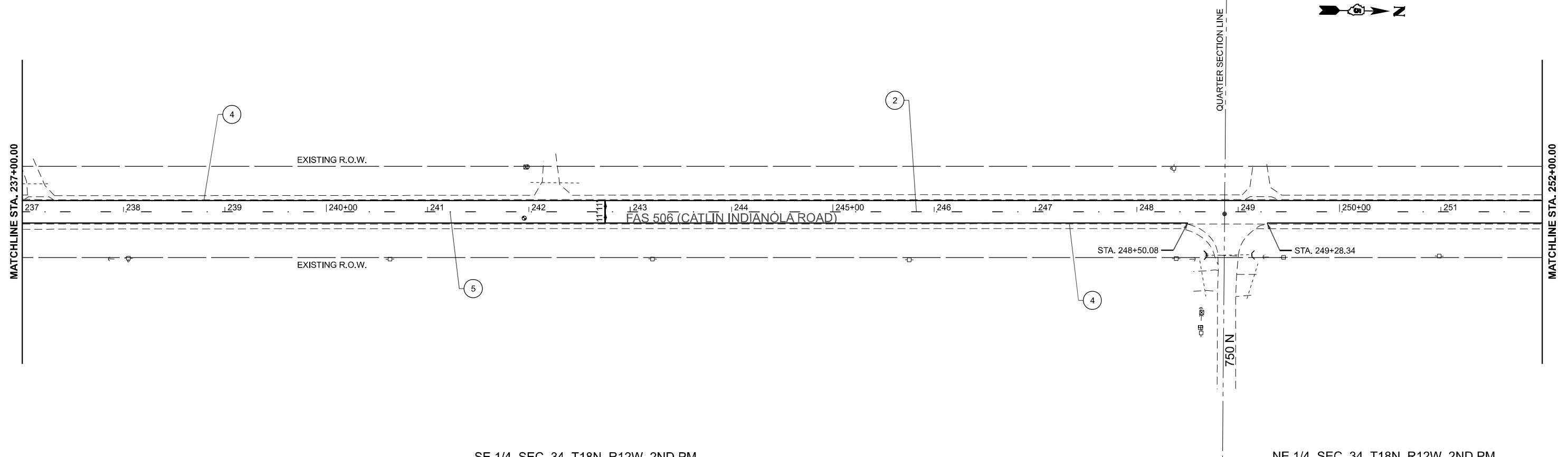
**PAVEMENT MARKING LEGEND**

- ① 4" YELLOW SOLID LINE
- ② 4" YELLOW (30' SKIP 10' DASH)
- ③ 4" DOUBLE YELLOW @ 11" C-C (TYP)
- ④ 4" WHITE SOLID LINE
- ⑤ TWO-WAY AMBER MARKER (80' O.C.)

SE 1/4, SEC. 34, T18N, R12W, 2ND PM

SW 1/4, SEC. 34, T18N, R12W, 2ND PM

NW 1/4, SEC. 34, T18N, R12W, 2ND PM



SE 1/4, SEC. 34, T18N, R12W, 2ND PM

NE 1/4, SEC. 34, T18N, R12W, 2ND PM

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USER NAME = tjbpe2	DESIGNED - MJR	REVISED -
DRAWN - TJL	REVISED -	
PLOT SCALE = 0.16666633' / in.	CHECKED - ERO	REVISED -
PLOT DATE = 1/15/2024	DATE - 11/30/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

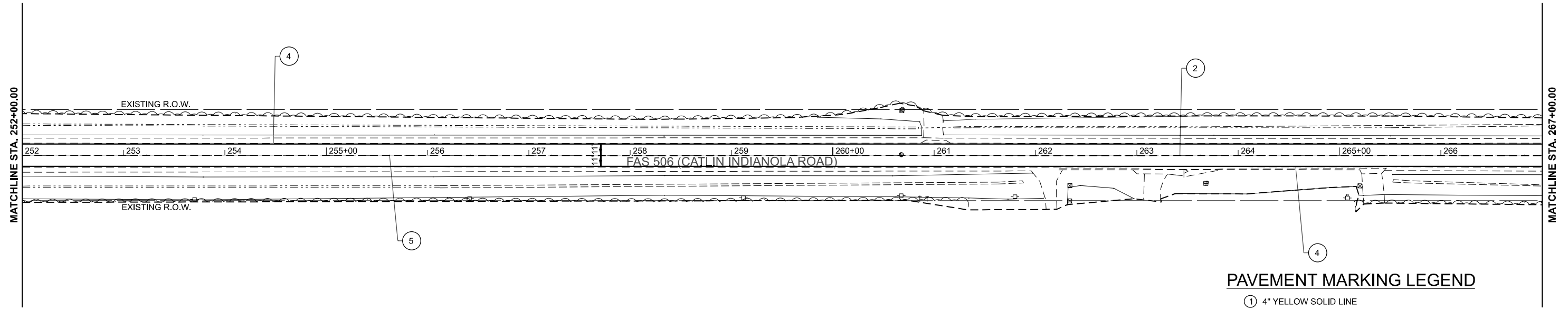
**FAS 506 (CATLIN INDIANOLA RD)  
PAVEMENT MARKING PLAN**

SCALE: 1" = 50' SHEET 2 OF 12 SHEETS STA. 222+00.00 TO STA. 252+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5.79,72)RS-1 & (34) RS-2 & 85-1	VERMILION	65	36
			CONTRACT NO. 70B07	
ILLINOIS FED. AID PROJECT				



NW 1/4, SEC. 34, T18N, R12W, 2ND PM



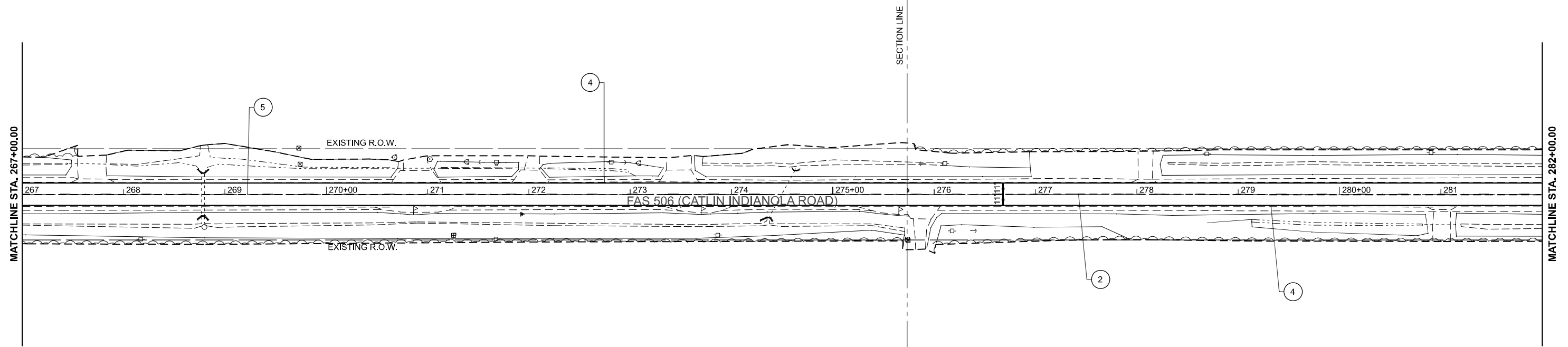
**PAVEMENT MARKING LEGEND**

- ① 4" YELLOW SOLID LINE
- ② 4" YELLOW (30' SKIP 10' DASH)
- ③ 4" DOUBLE YELLOW @ 11" C-C (TYP)
- ④ 4" WHITE SOLID LINE
- ⑤ TWO-WAY AMBER MARKER (80' O.C.)

NE 1/4, SEC. 34, T18N, R12W, 2ND PM

NW 1/4, SEC. 34, T18N, R12W, 2ND PM

SW 1/4, SEC. 27, T18N, R12W, 2ND PM



NE 1/4, SEC. 34, T18N, R12W, 2ND PM

SE 1/4, SEC. 27, T18N, R12W, 2ND PM

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USER NAME = jlopez	DESIGNED - MJR	REVISED -
	DRAWN - TJL	REVISED -
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PLOT DATE = 1/15/2024	DATE - 11/30/2023	REVISED -

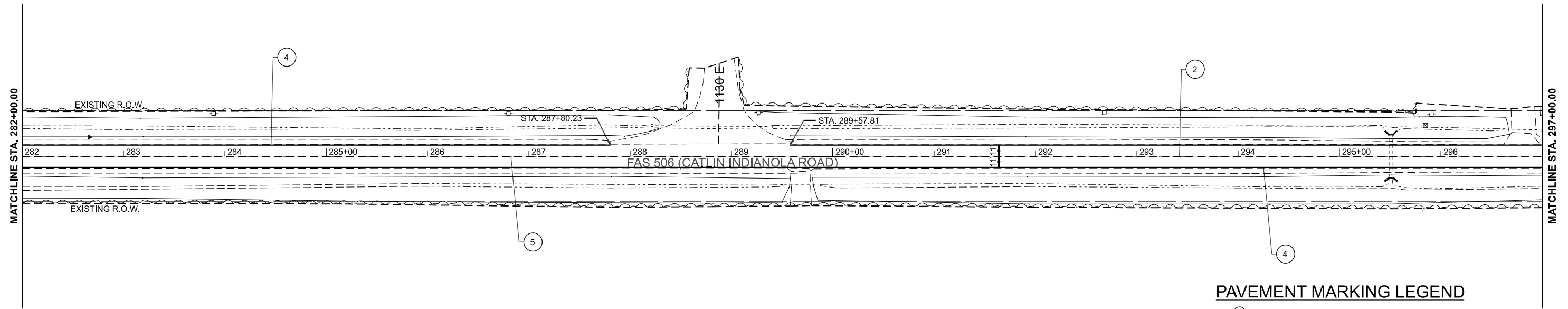
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAS 506 (CATLIN INDIANOLA RD)  
PAVEMENT MARKING PLAN**

SCALE: 1" = 50'      SHEET 3 OF 12 SHEETS      STA. 252+00.00 TO STA. 282+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5.79,72)RS-1 & (34) RS-2 & 85-1	VERMILION	65	37
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

SW 1/4, SEC. 27, T18N, R12W, 2ND PM



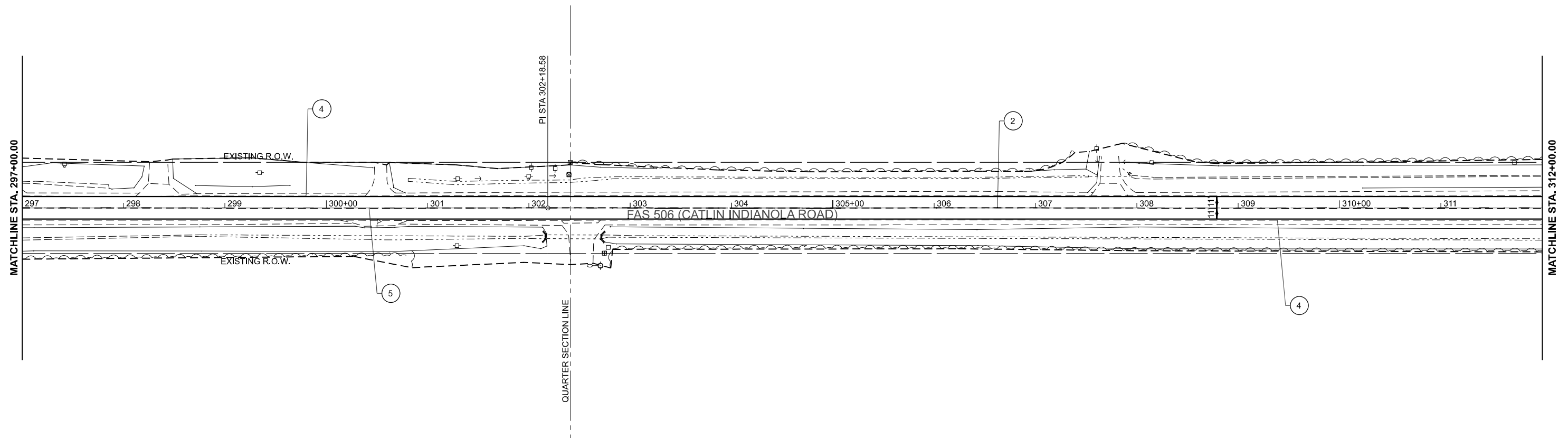
**PAVEMENT MARKING LEGEND**

- ① 4" YELLOW SOLID LINE
- ② 4" YELLOW (30' SKIP 10' DASH)
- ③ 4" DOUBLE YELLOW @ 11" C-C (TYP)
- ④ 4" WHITE SOLID LINE
- ⑤ TWO-WAY AMBER MARKER (80' O.C.)

SE 1/4, SEC. 27, T18N, R12W, 2ND PM

SW 1/4, SEC. 27, T18N, R12W, 2ND PM

NW 1/4, SEC. 27, T18N, R12W, 2ND PM



SE 1/4, SEC. 27, T18N, R12W, 2ND PM

NE 1/4, SEC. 27, T18N, R12W, 2ND PM

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USER NAME = jlopez	DESIGNED - MJR	REVISED -
PLOT SCALE = 0.16866833' / in.	DRAWN - TJL	REVISED -
PLOT DATE = 1/15/2024	CHECKED - ERO	REVISED -
	DATE - 11/30/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

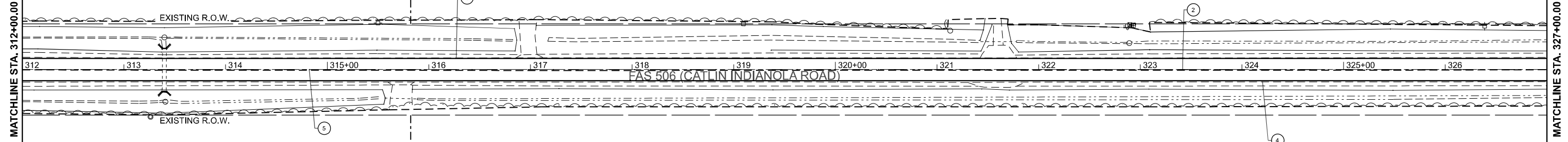
**FAS 506 (CATLIN INDIANOLA RD)  
PAVEMENT MARKING PLAN**

SCALE: 1" = 50'      SHEET 4 OF 12 SHEETS      STA. 282+00.00 TO STA. 312+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5.79,72)RS-1 & (34) RS-2 & 85-1	VERMILION	65	38
CONTRACT NO. 70B07			ILLINOIS FED. AID PROJECT	

NW 1/4, SEC. 27, T18N, R12W, 2ND PM

NW 1/4, SEC. 27, T18N, R12W, 2ND PM



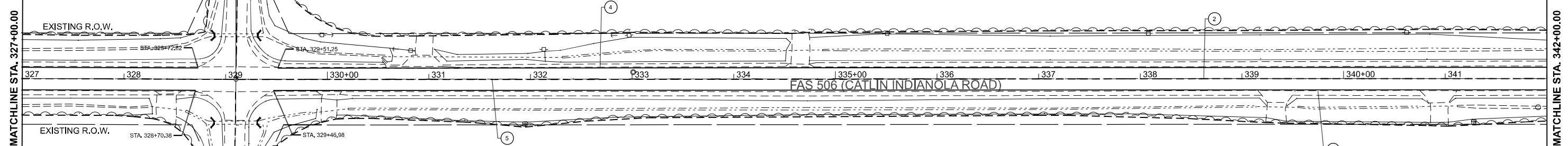
**PAVEMENT MARKING LEGEND**

- ① 4" YELLOW SOLID LINE
- ② 4" YELLOW (30' SKIP 10' DASH)
- ③ 4" DOUBLE YELLOW @ 11" C-C (TYP)
- ④ 4" WHITE SOLID LINE
- ⑤ TWO-WAY AMBER MARKER (80' O.C.)

NE 1/4, SEC. 27, T18N, R12W, 2ND PM

NE 1/4, SEC. 27, T18N, R12W, 2ND PM

SW 1/4, SEC. 22, T18N, R12W, 2ND PM



SE 1/4, SEC. 22, T18N, R12W, 2ND PM

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MCCHELL, ERO  
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USER NAME = tjlopez	DESIGNED - MJR	REVISED -
PLOT SCALE = 0.16866833" / in.	DRAWN - TJL	REVISED -
PLOT DATE = 1/15/2024	CHECKED - ERO	REVISED -
	DATE - 11/30/2023	REVISED -

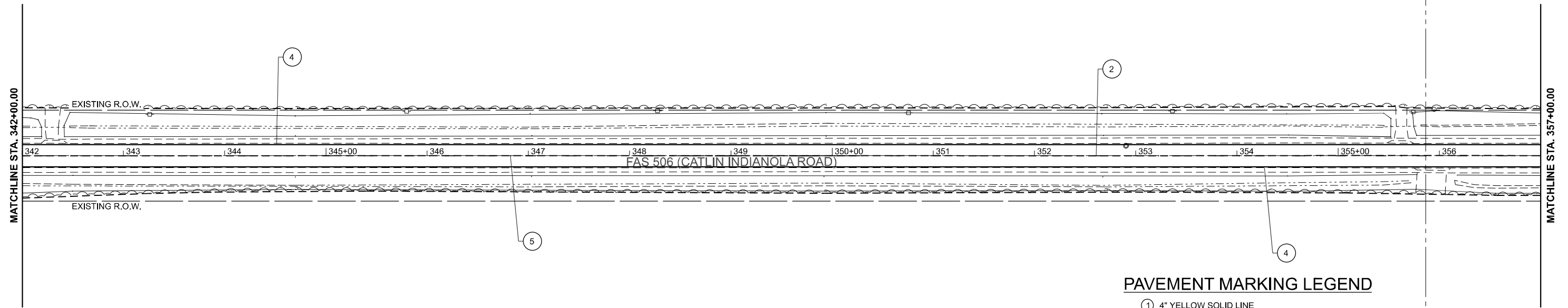
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAS 506 (CATLIN INDIANOLA RD)  
PAVEMENT MARKING PLAN**

SCALE: 1" = 50' SHEET 5 OF 12 SHEETS STA. 312+00.00 TO STA. 342+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5.79,72)RS-1 & (34) RS-2 & 85-1	VERMILION	65	39
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

SW 1/4, SEC. 22, T18N, R12W, 2ND PM

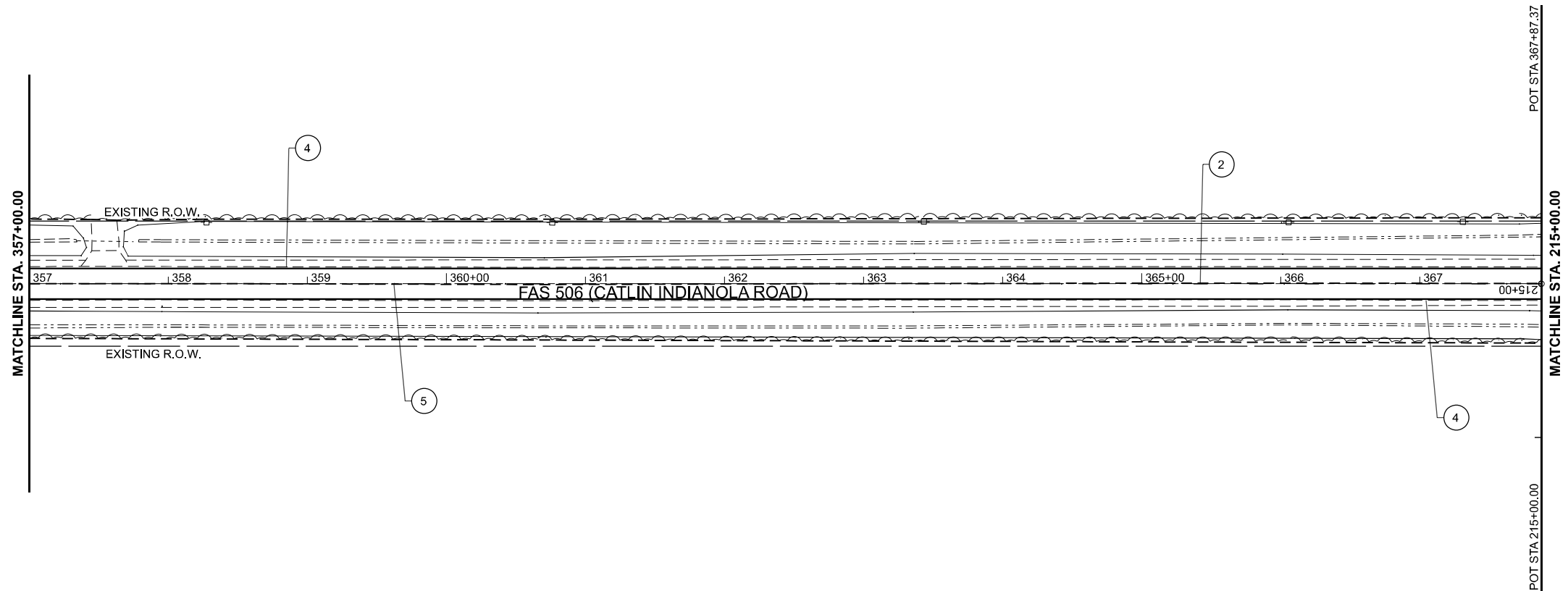


**PAVEMENT MARKING LEGEND**

- ① 4" YELLOW SOLID LINE
- ② 4" YELLOW (30' SKIP 10' DASH)
- ③ 4" DOUBLE YELLOW @ 11" C-C (TYP)
- ④ 4" WHITE SOLID LINE
- ⑤ TWO-WAY AMBER MARKER (80' O.C.)

SE 1/4, SEC. 22, T18N, R12W, 2ND PM

NW 1/4, SEC. 22, T18N, R12W, 2ND PM



NE 1/4, SEC. 22, T18N, R12W, 2ND PM

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 PLOT DATE: 11/30/2023  
 USER: mjroez



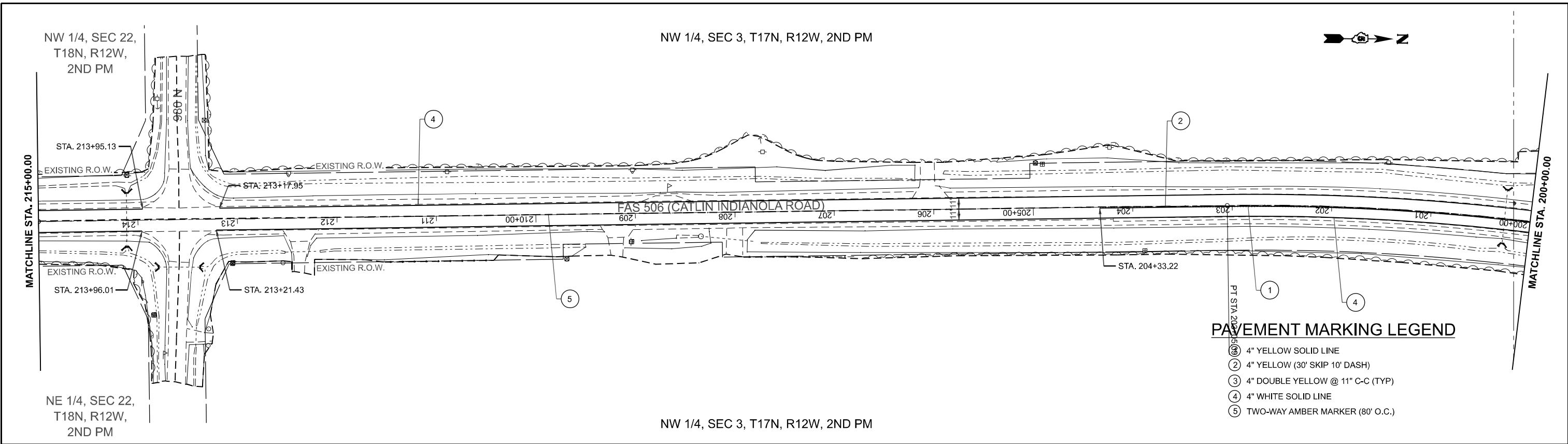
USER NAME = mjroez	DESIGNED - MJR	REVISED -
	DRAWN - TJL	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED - ERO	REVISED -
PLOT DATE = 11/15/2024	DATE - 11/30/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAS 506 (CATLIN INDIANOLA RD)  
PAVEMENT MARKING PLAN**

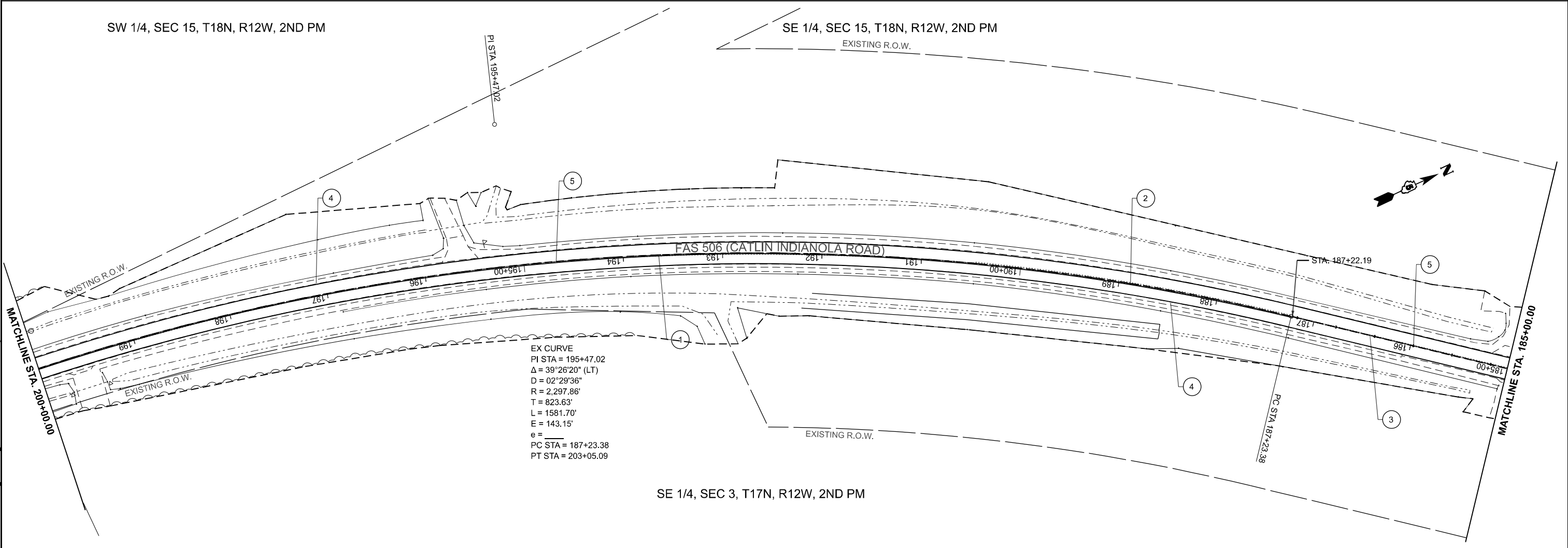
SCALE: 1" = 50' SHEET 6 OF 12 SHEETS STA. 342+00.00 TO STA. 215+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5.79.72)RS-1 & (34)RS-2 & 85-1	VERMILION	65	40
CONTRACT NO. 70B07			ILLINOIS FED. AID PROJECT	



**PAVEMENT MARKING LEGEND**

①	4" YELLOW SOLID LINE
②	4" YELLOW (30' SKIP 10' DASH)
③	4" DOUBLE YELLOW @ 11" C-C (TYP)
④	4" WHITE SOLID LINE
⑤	TWO-WAY AMBER MARKER (80' O.C.)



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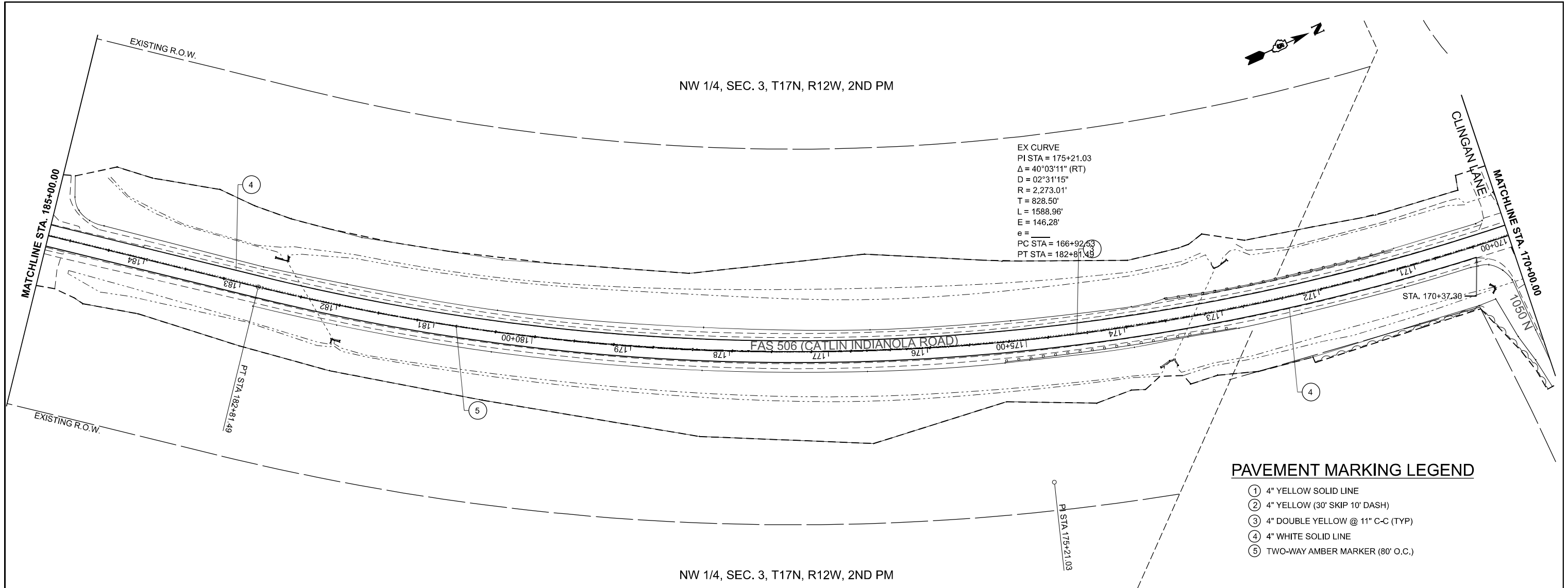


USER NAME = tjbpe2	DESIGNED - MJR	REVISED -
DRAWN - TJL	REVISED -	
CHECKED - ERO	REVISED -	
DATE - 11/30/2023	REVISED -	

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

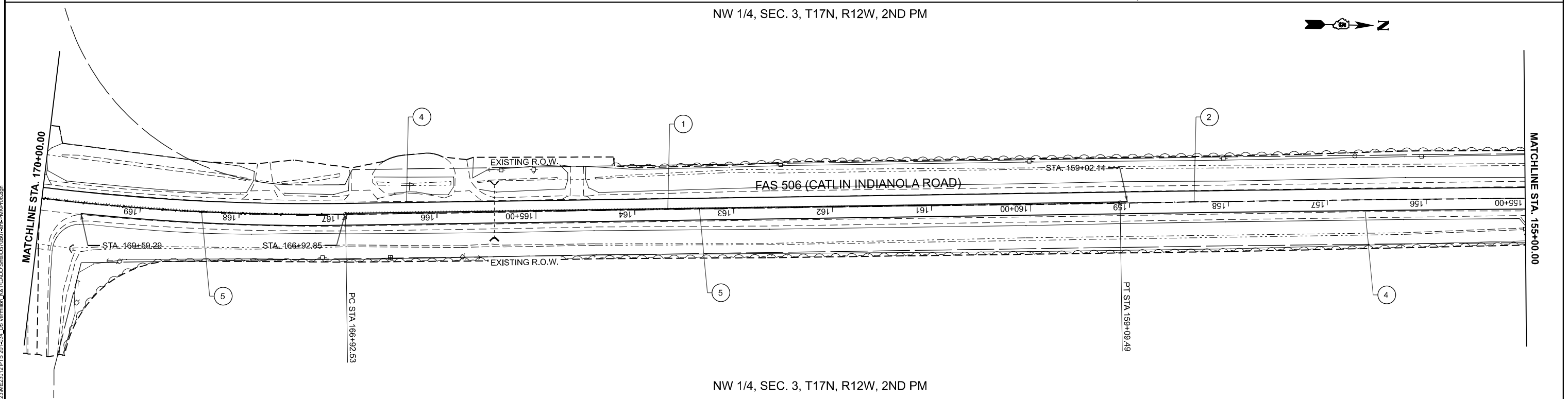
<b>FAS 506 (CATLIN INDIANOLA RD)</b>	
<b>PAVEMENT MARKING PLAN</b>	
SCALE: 1" = 50'	SHEET 7 OF 12 SHEETS
STA. 214+00.00	TO STA. 185+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1 & (34) RS-2 & 85-1	VERMILION	65	41
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

- ① 4" YELLOW SOLID LINE
- ② 4" YELLOW (30' SKIP 10' DASH)
- ③ 4" DOUBLE YELLOW @ 11" C-C (TYP)
- ④ 4" WHITE SOLID LINE
- ⑤ TWO-WAY AMBER MARKER (80' O.C.)



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 USER: TJD  
 PLOT SCALE: 0.166666633 / in.  
 DATE: 11/30/2023



USER NAME = tjdpez	DESIGNED - MJR	REVISED -
DRAWN - TJL	REVISED -	
CHECKED - ERO	REVISED -	
DATE - 11/30/2023	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

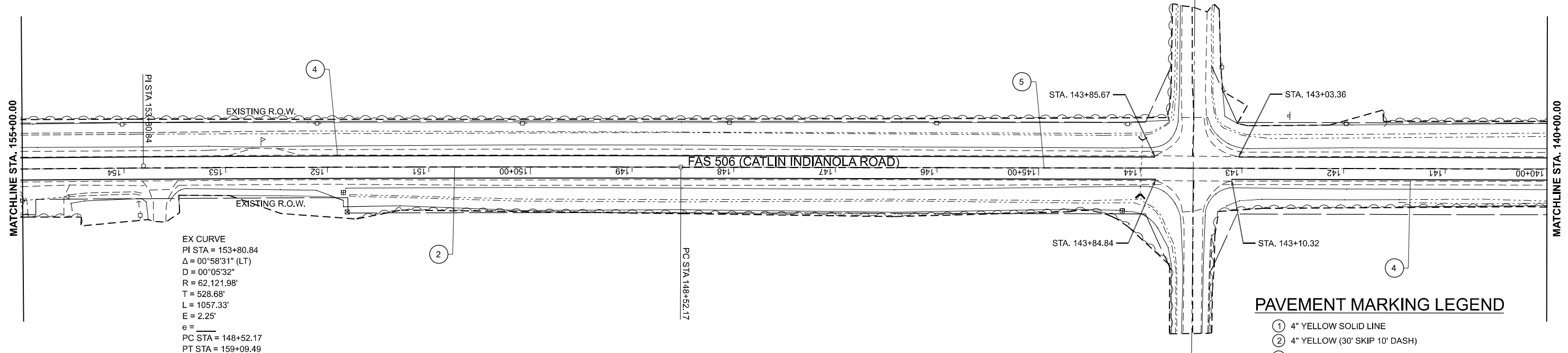
**FAS 506 (CATLIN INDIANOLA RD)  
PAVEMENT MARKING PLAN**

SCALE: 1" = 50'     SHEET 8 OF 12 SHEETS     STA. 185+00.00 TO STA. 155+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1 & (34) RS-2 & 85-1	VERMILION	65	42
CONTRACT NO. 70B07				

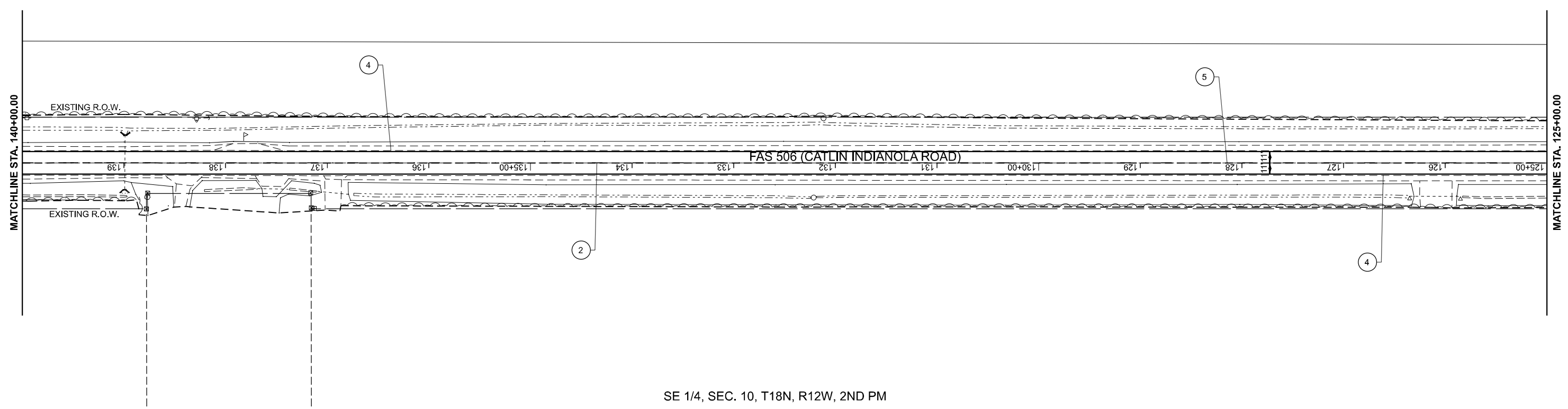
ILLINOIS FED. AID PROJECT

NE 1/4, SEC. 15, T18N, R12W, 2ND PM



NE 1/4, SEC. 15, T18N, R12W, 2ND PM

SE 1/4, SEC. 10, T18N, R12W, 2ND PM



SE 1/4, SEC. 10, T18N, R12W, 2ND PM

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USER NAME	= tbdpez
PLOT SCALE	= 0.16666633' / in.
PLOT DATE	= 1/15/2024

DESIGNED	- MJR
DRAWN	- TJL
CHECKED	- ERO
DATE	- 11/30/2023

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

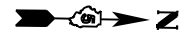
FAS 506 (CATLIN INDIANOLA RD)  
PAVEMENT MARKING PLAN  
SCALE: 1" = 50'  
SHEET 9 OF 12 SHEETS  
STA. 155+00.00 TO STA. 125+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1 & (34) RS-2 & 85-1	VERMILION	65	43

CONTRACT NO. 70B07  
ILLINOIS FED. AID PROJECT

SE 1/4, SEC. 10, T18N, R12W, 2ND PM

NE 1/4, SEC. 10, T18N, R12W, 2ND PM



MATCHLINE STA. 125+00.00

MATCHLINE STA. 110+00.00

EXISTING R.O.W.

EXISTING R.O.W.

FAS 506 (CATLIN INDIANOLA ROAD)

**PAVEMENT MARKING LEGEND**

- ① 4" YELLOW SOLID LINE
- ② 4" YELLOW (30' SKIP 10' DASH)
- ③ 4" DOUBLE YELLOW @ 11" C-C (TYP)
- ④ 4" WHITE SOLID LINE
- ⑤ TWO-WAY AMBER MARKER (80' O.C.)

SE 1/4, SEC. 10, T18N, R12W, 2ND PM

NE 1/4, SEC. 10, T18N, R12W, 2ND PM

NE 1/4, SEC. 10, T18N, R12W, 2ND PM

NE 1/4, SEC. 10, T18N, R12W, 2ND PM



MATCHLINE STA. 110+00.00

MATCHLINE STA. 95+00.00

EXISTING R.O.W.

EXISTING R.O.W.

FAS 506 (CATLIN INDIANOLA ROAD)

NE 1/4, SEC. 10, T18N, R12W, 2ND PM

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USER NAME = tjbpe2	DESIGNED - MJR	REVISED -
	DRAWN - TJL	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED - ERO	REVISED -
PLOT DATE = 1/15/2024	DATE - 11/30/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAS 506 (CATLIN INDIANOLA RD)  
PAVEMENT MARKING PLAN**

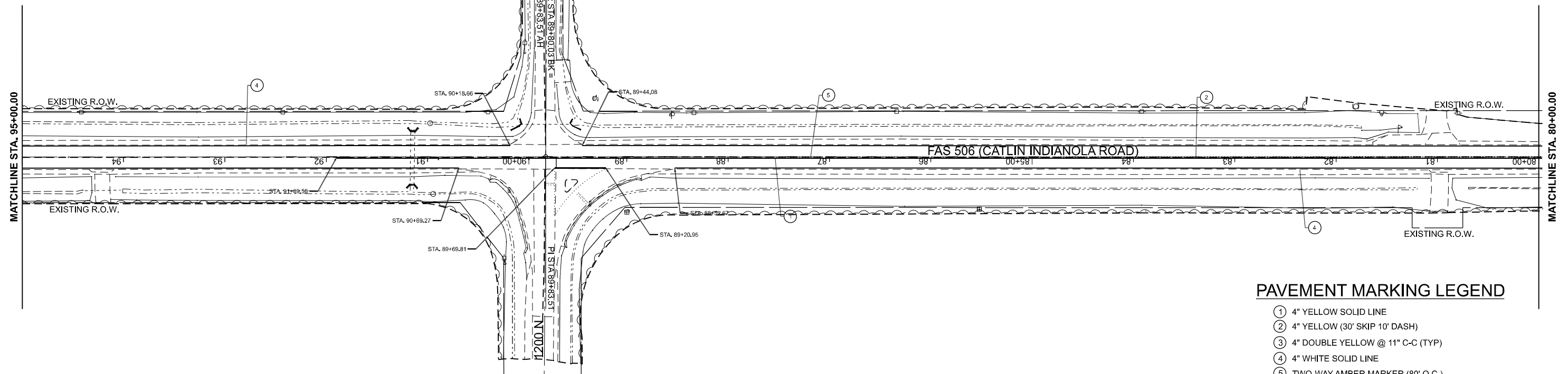
SCALE: 1" = 50' SHEET 10 OF 12 SHEETS STA. 125+00.00 TO STA. 95+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1 & (34) RS-2 & 85-1	VERMILION	65	44
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				



NE 1/4, SEC. 10, T18N, R12W, 2ND PM

SE 1/4, SEC. 3, T18N, R12W, 2ND PM



**PAVEMENT MARKING LEGEND**

- ① 4" YELLOW SOLID LINE
- ② 4" YELLOW (30' SKIP 10' DASH)
- ③ 4" DOUBLE YELLOW @ 11" C-C (TYP)
- ④ 4" WHITE SOLID LINE
- ⑤ TWO-WAY AMBER MARKER (80' O.C.)

NE 1/4, SEC. 10, T18N, R12W, 2ND PM

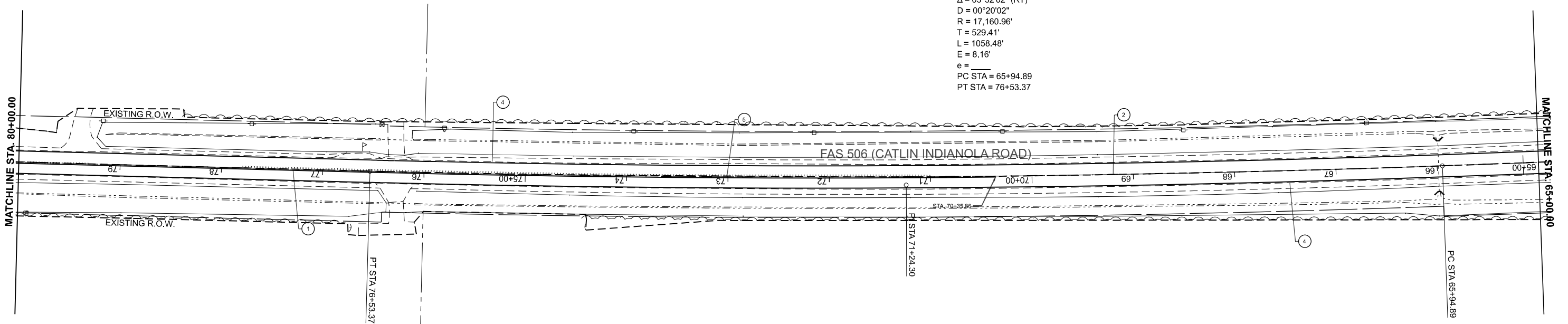
SE 1/4, SEC. 3, T18N, R12W, 2ND PM

SE 1/4, SEC. 3, T18N, R12W, 2ND PM

SE 1/4, SEC. 3, T18N, R12W, 2ND PM



EX CURVE  
 PI STA = 71+24.30  
 $\Delta = 03^{\circ}32'02''$  (RT)  
 $D = 00^{\circ}20'02''$   
 $R = 17,160.96'$   
 $T = 529.41'$   
 $L = 1058.48'$   
 $E = 8.16'$   
 $e =$   
 PC STA = 65+94.89  
 PT STA = 76+53.37



SE 1/4, SEC. 3, T18N, R12W, 2ND PM

SE 1/4, SEC. 3, T18N, R12W, 2ND PM

FILE: P:\0203\ME3012\PTB 20-05\05\_Vermilion\_K&T\CADD\Sheet\07\0707.dwg  
 PLOT DATE: 11/15/2024  
 USER: mjrope



USER NAME	= mjrope	DESIGNED	- MJR	REVISED	-
DRAWN	- TJL	REVIS	-	REVISED	-
CHECKED	- ERO	REVIS	-	REVISED	-
DATE	- 11/30/2023	REVIS	-	REVISED	-

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

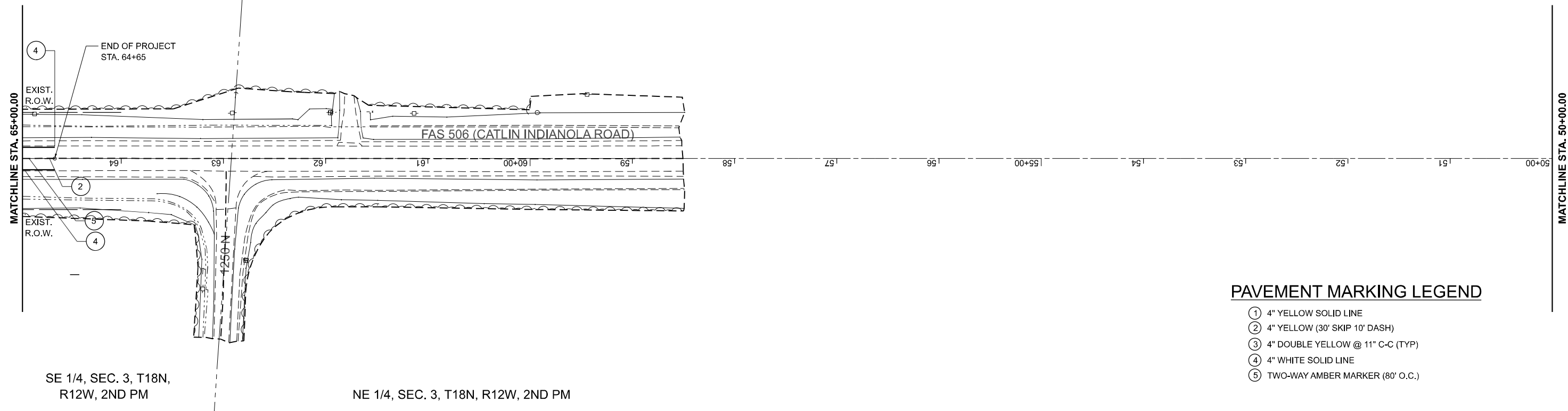
<b>FAS 506 (CATLIN INDIANOLA RD)</b>	
<b>PAVEMENT MARKING PLAN</b>	
SCALE: 1" = 50'	SHEET 11 OF 12 SHEETS
STA. 95+00.00	TO STA. 65+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5.79,72)RS-1 & (34) RS-2 & 85-1	VERMILION	65	45
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				



SE 1/4, SEC. 3, T18N,  
R12W, 2ND PM

NE 1/4, SEC. 3, T18N, R12W, 2ND PM



SE 1/4, SEC. 3, T18N,  
R12W, 2ND PM

NE 1/4, SEC. 3, T18N, R12W, 2ND PM

**PAVEMENT MARKING LEGEND**

- ① 4" YELLOW SOLID LINE
- ② 4" YELLOW (30' SKIP 10' DASH)
- ③ 4" DOUBLE YELLOW @ 11" C-C (TYP)
- ④ 4" WHITE SOLID LINE
- ⑤ TWO-WAY AMBER MARKER (80' O.C.)

FILE: P:\0203\ME2012\PTB 20-031\_05 Vermilion\_K&T\CADD\Sheet\0579807.dwg  
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USER NAME	# tlopez	DESIGNED	- MJR	REVISED	-
DRAWN	- TJL	REVISIONS	-	REVISIONS	-
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PLOT DATE	= 1/15/2024	DATE	- 11/30/2023	REVISIONS	-

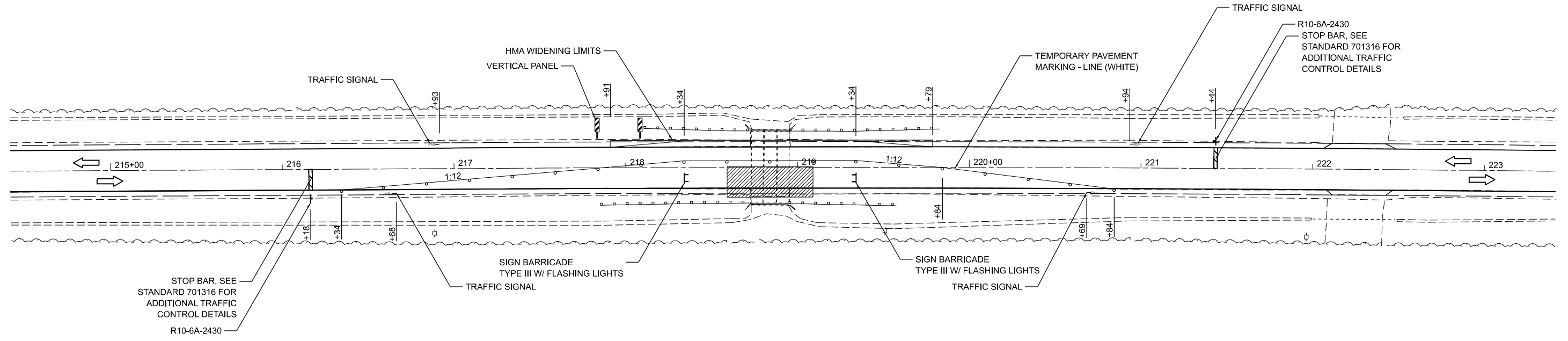
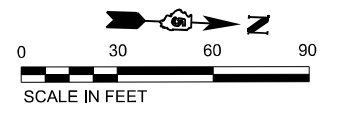
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAS 506 (CATLIN INDIANOLA RD)  
PAVEMENT MARKING PLAN**

SCALE: 1" = 50'    SHEET 12 OF 12 SHEETS    STA. 65+00.00 TO STA. 50+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5.79,72)RS-1 & (34) RS-2 & 85-1	VERMILION	65	46
			CONTRACT NO. 70B07	
			ILLINOIS FED. AID PROJECT	

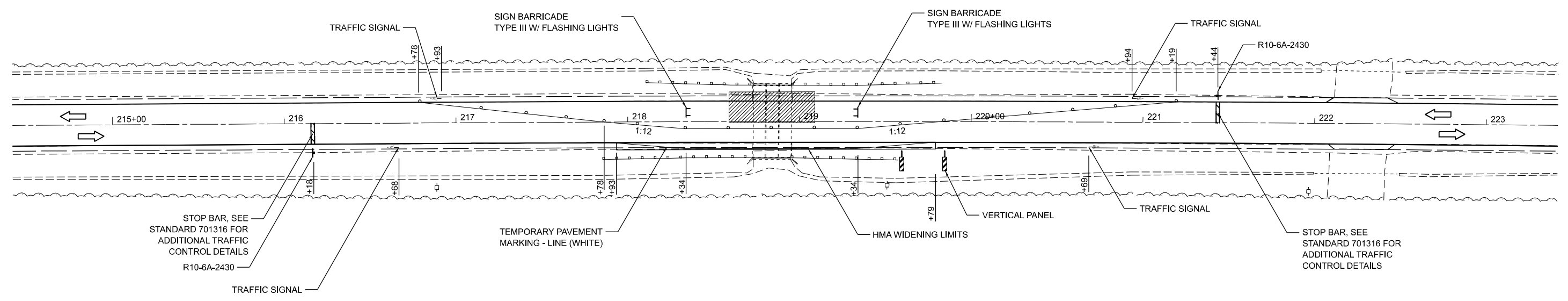
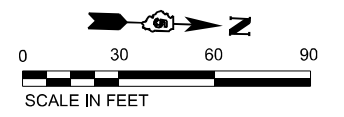
WORK AREA



**STAGE 1**

SEE STANDARD 701316 FOR ADDITIONAL DETAILS

WORK AREA



**STAGE 2**

SEE STANDARD 701316 FOR ADDITIONAL DETAILS

MODEL: Staging Plans  
 FILE NAME: Plus\X1520\X1520\15201 - PTB 201404 Caddis Indiana\Roads\TransCAD\Project Drawings\15201-441\_staging.dgn



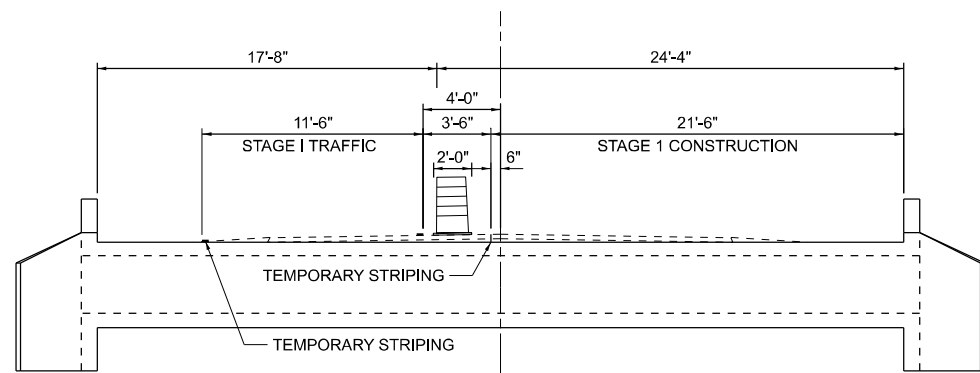
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	DRAWN -	REVISED -
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PLOT DATE = 1/23/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

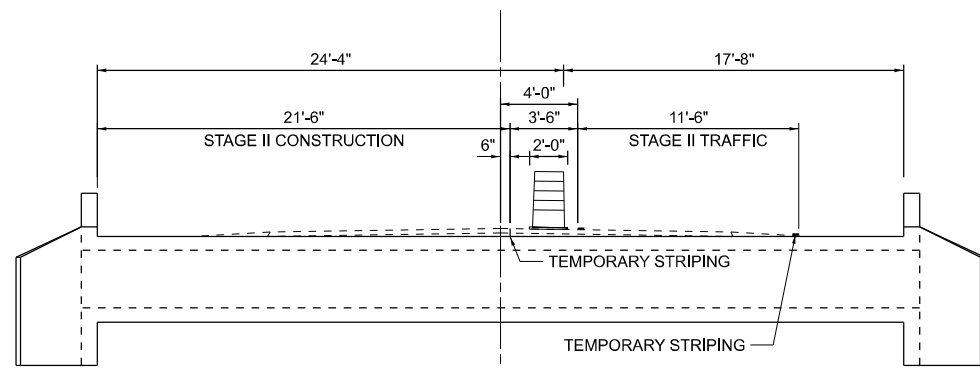
**S.N. 092-2021 STAGING PLANS**

SCALE: 1"=30' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&5-1	VERMILLION	65	47
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				



**STAGE 1 TRAFFIC**



**STAGE 2 TRAFFIC**

MODEL: Staging Traffic; (Sheet)  
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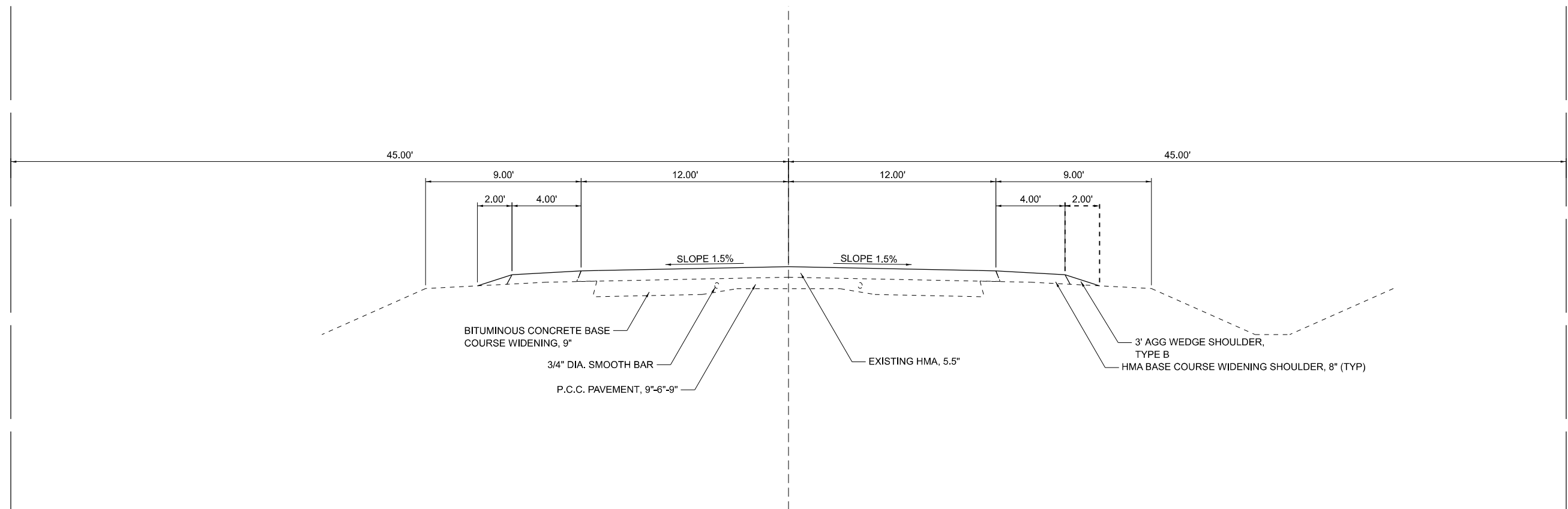


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	DRAWN -	REVISED -
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PLOT DATE = 1/23/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>S.N. 092-2021 STAGING PLAN</b>			
SCALE: N.T.S.	SHEET 2	OF 3	SHEETS
STA. ___+___	TO STA. ___+___		

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	48
CONTRACT NO. 70B07				
<small>ILLINOIS   FED. AID PROJECT</small>				



**PROPOSED STAGING TYPICAL SECTION**

STA. 217+91 TO 219+79 LT  
 STA. 217+93 TO 219+79 RT

OMISSION AT 092-2021 STA. 218+72.5 TO 218+95.5

MODEL: TYP SECT\_E3\_P3 (SHEET)  
 FILE NAME: P:\5\X\2524\353\X\2527 - PTB 201-034\_Catlin Indiana db\_Rd25-TransCAD\Project Drawings\0570807-2\ht\_typical\_prop\_shoulder.dgn



USER NAME = rhanfland  
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 PLOT DATE = 1/23/2024

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

S.N. 092-2021 STAGING PLAN

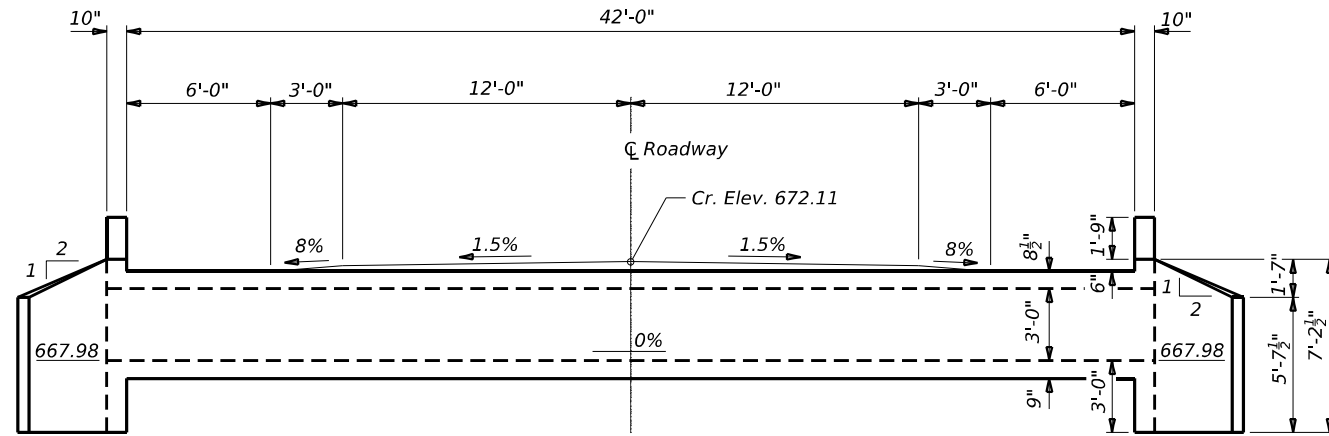
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

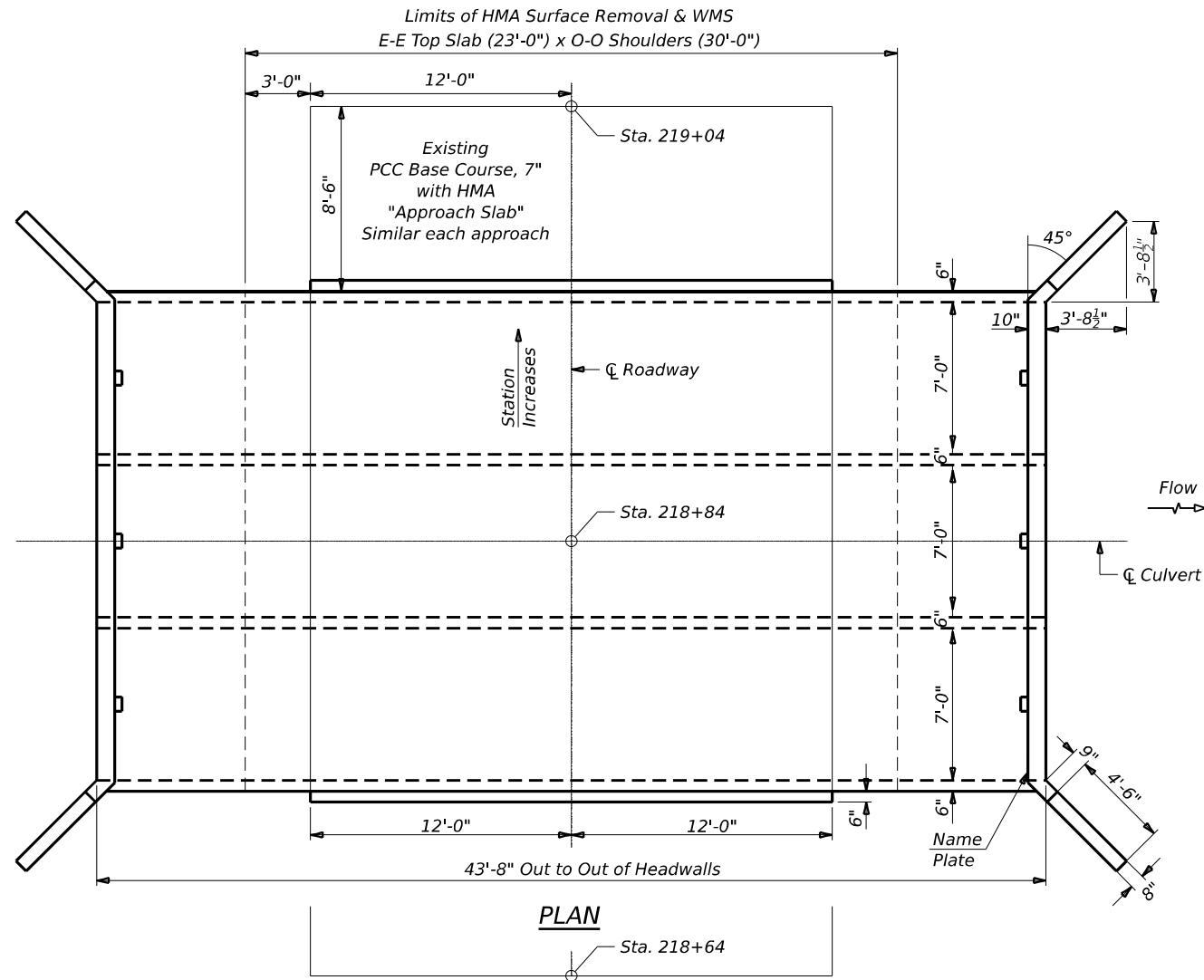
Benchmark: N.A.

Existing Structure 092-2021 was built in 1974 as Section 74-00085-00-WR at Sta. 218+84 in Vermilion County. The structure is a 3 @ 7'x3'x43'-8" RCBC carrying F.A.S. 506 (CH 7) over a stream 3 miles north of Georgetown.

Work shall be completed with stage construction.



ELEVATION



PLAN

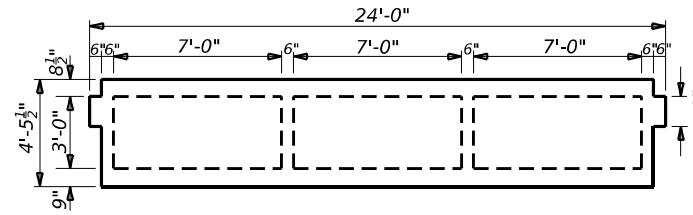
**SCOPE OF WORK**

1. Remove existing HMA (+/- 5") from Top Slab to limits shown.
2. Remove existing PCC Base Course, 7" at "Approach Slabs".
3. Place Class C Patches, Type II, 7" at "Approach Slabs".
4. Place waterproofing membrane system on Top Slab to limits shown.
5. Place proposed HMA courses (+/- 5") on Top Slab and "Approach Slabs" to limits shown.

**GENERAL NOTES**

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field 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 the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Removal of existing PCC Base Course, 7" and HMA at "Approach Slabs" included with Class C Patches, Type II, 7".



SECTION THRU BARREL

**TOTAL BILL OF MATERIAL**

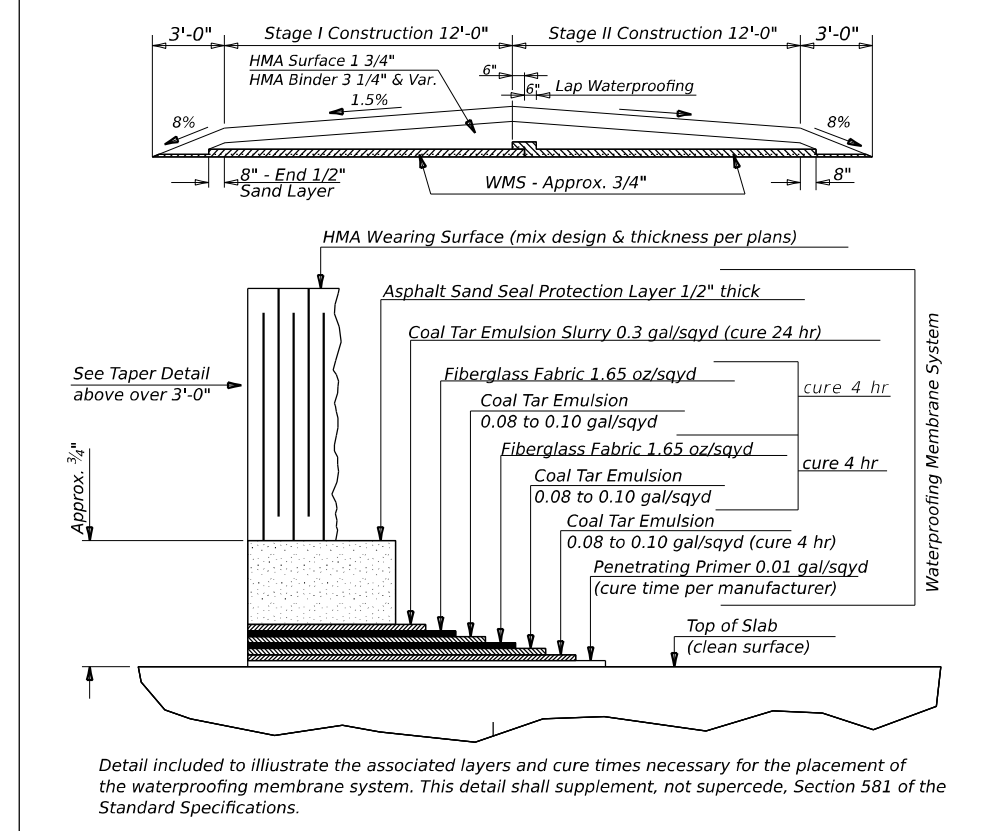
ITEM	UNIT	TOTAL
44000169 HMA Surface Removal, 5"	Sq. Yd.	77.0
58100200 Waterproofing Membrane System	Sq. Yd.	77.0
40602965 (5.00") HMA Binder Course, IL-9.5FG, N50	Ton	38.0
44201317 Class C Patches, Type II, 7"	Sq. Yd.	46.0

**LOADING HS-20**

**DESIGN STRESSES**

$f_s = 20,000$  psi (reinf.)  
 $f_c = 1,400$  psi (barrel)  
 $f_c = 1,200$  psi (wings)  
 $w = 90$  psi  
 $n = 70$

**WATERPROOFING MEMBRANE SYSTEM DETAILS**



Detail included to illustrate the associated layers and cure times necessary for the placement of the waterproofing membrane system. This detail shall supplement, not supercede, Section 581 of the Standard Specifications.

MODEL: Sheet Details (Sheet 1)  
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PLOT DATE = 1/23/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

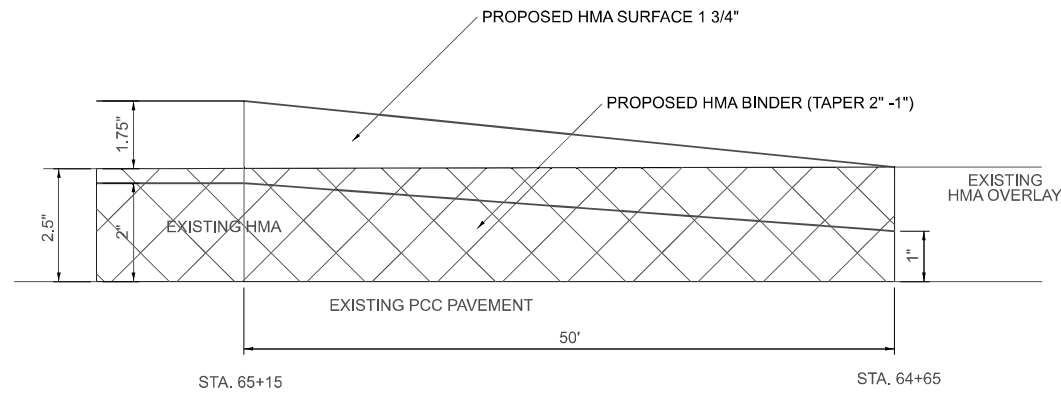
GENERAL PLAN, ELEVATION & DETAILS  
 S.N. 092-2021

SCALE: 1"=5' SHEET 1 OF 1 SHEETS STA. \_\_\_+\_\_\_ TO STA. \_\_\_+\_\_\_

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	50
CONTRACT NO. 70B07				

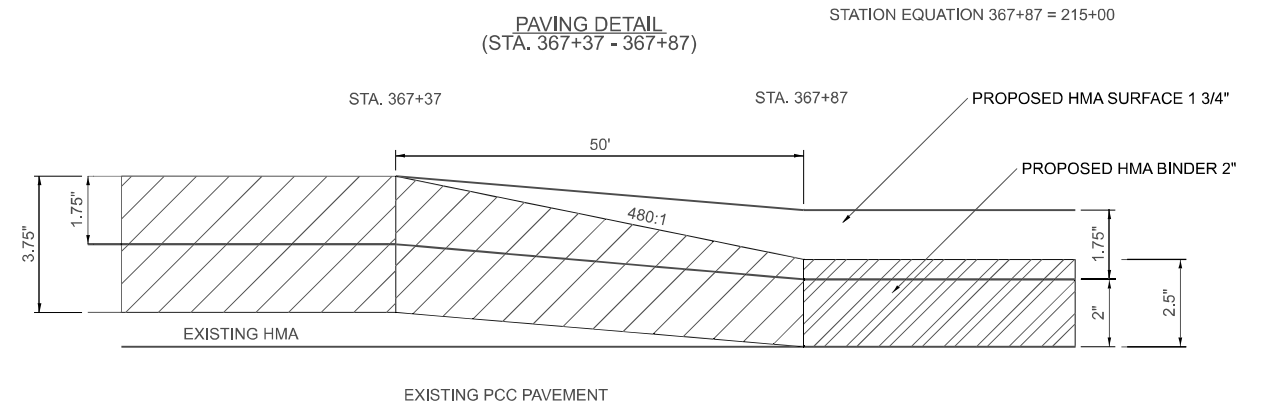
ILLINOIS FED. AID PROJECT


**BUTT JOINT DETAIL**  
(STA. 65+15 - 64+65)



HMA SURFACE REMOVAL 2 1/2" 

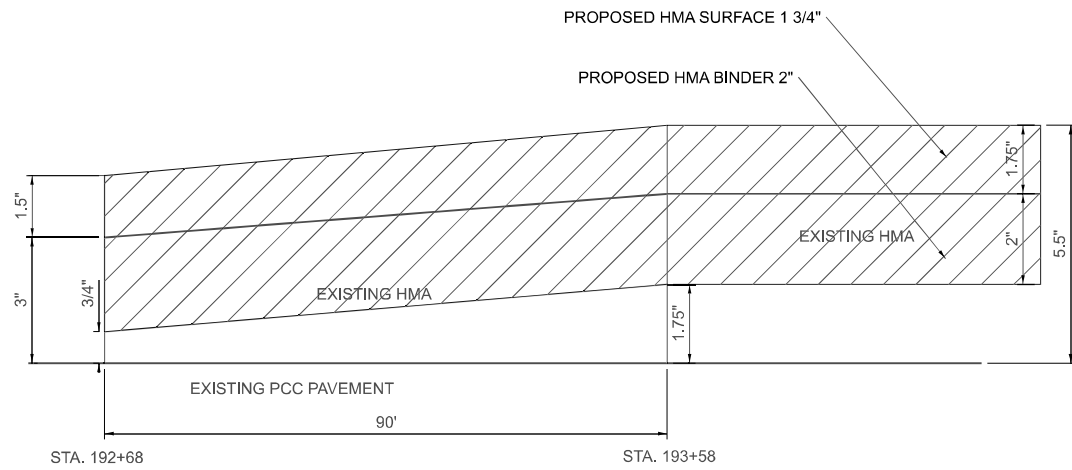
**PAVING DETAIL**  
(STA. 367+37 - 367+87)



HMA SURFACE REMOVAL 2 1/2" 

HMA SURFACE REMOVAL 3 3/4" 

**BUTT JOINT DETAIL**  
(STA. 192+68 - 193+58)



HMA SURFACE REMOVAL 3 3/4" 

FILE: P:\2023\ME23012 PTB 20+034\_05 Vermilion\_K&T\CADD\SHS\1507907.dwg  
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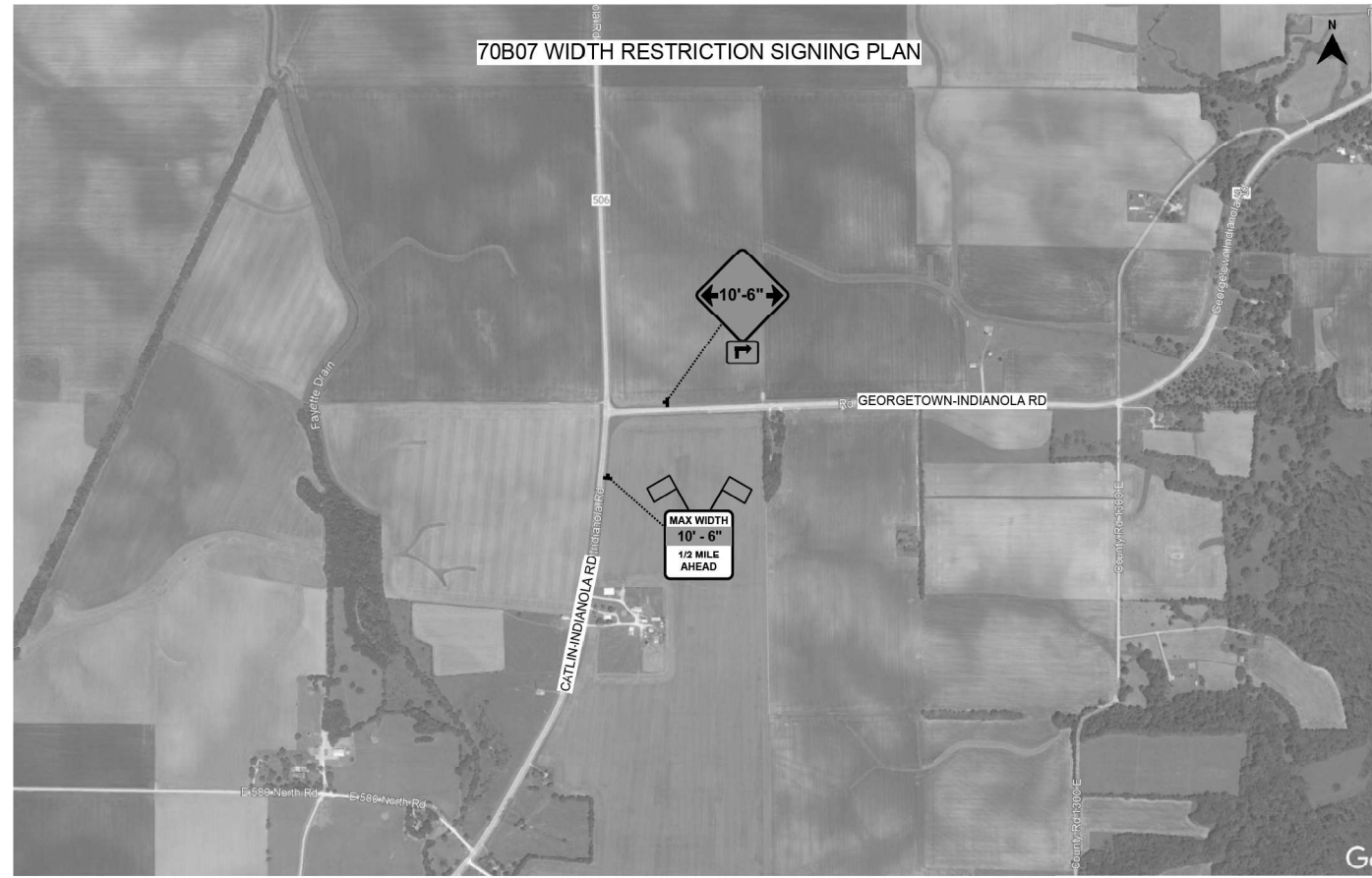
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

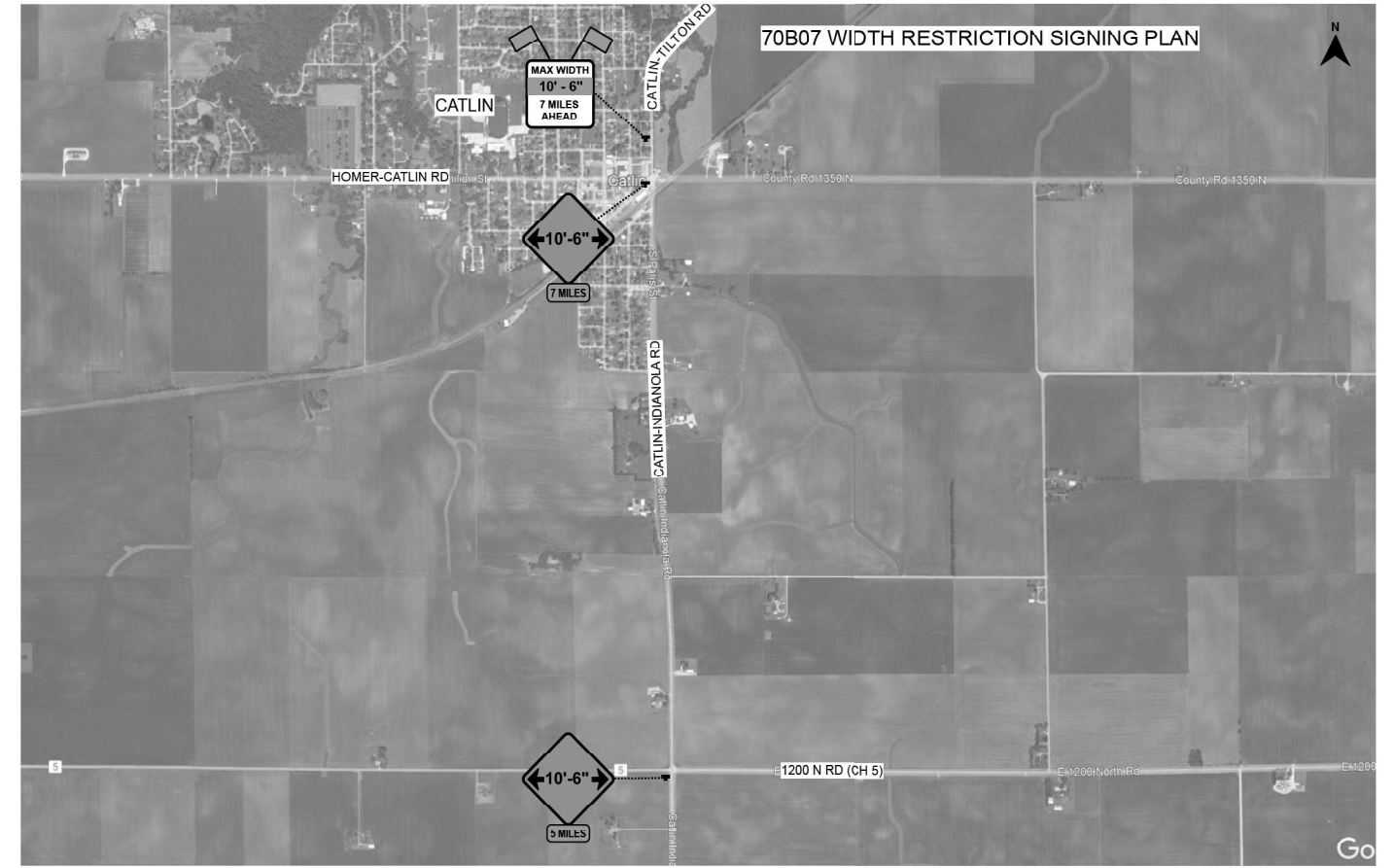
**FAS 506 (CATLIN INDIANOLA RD)**  
**PAVEMENT DETAILS**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5.79,72)RS-1 & (34) RS-2 & 85-1	VERMILION	65	51
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				



LOCATION 1  
(NOT TO SCALE)



LOCATION 2  
(NOT TO SCALE)

NOTE: SEE DISTRICT 5 DETAIL NO. X7200201 SHEET FOR ADDITIONAL DETAILS

MODEL: Sheet  
FILE NAME: I:\2107 IDOT D5 - PTB-201-034\CADD\Detail\CAD\_Sheets\DS70B07-Sub-Details\_WRS.dgn



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DRAWN -	REVISED -	
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING DETAIL

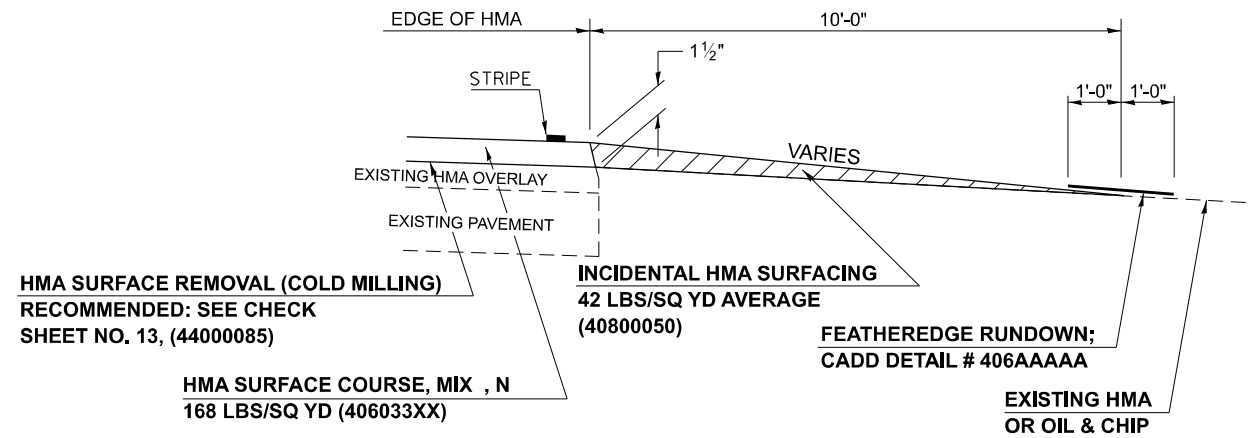
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

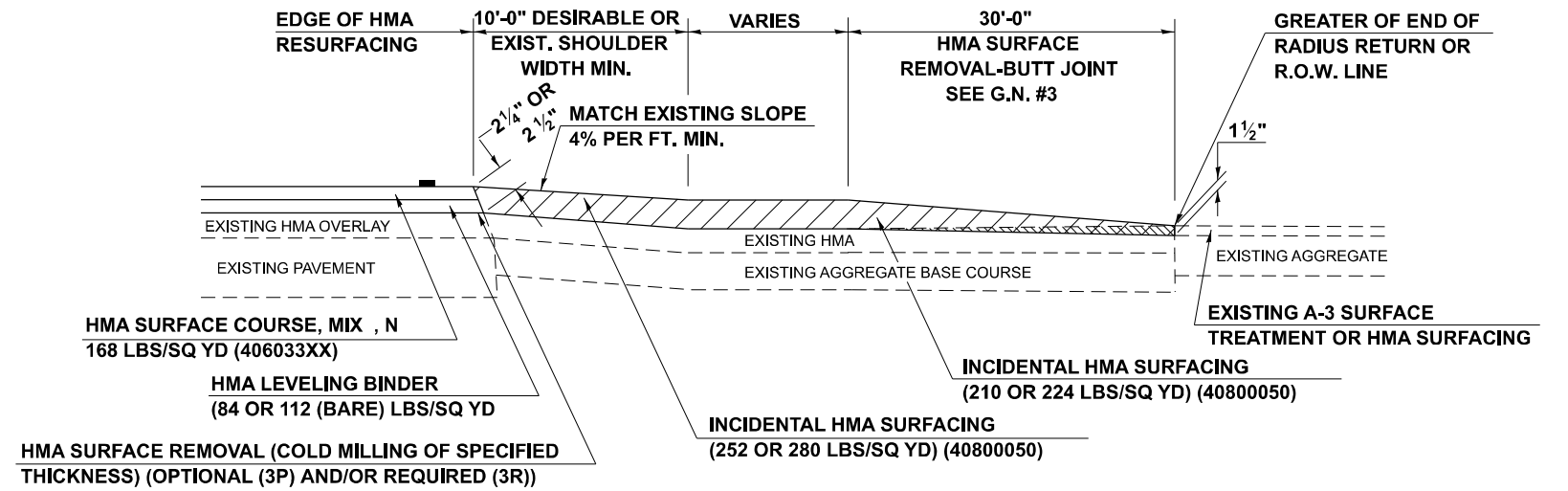


# PROJECTS WITHOUT RECONSTRUCTION

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



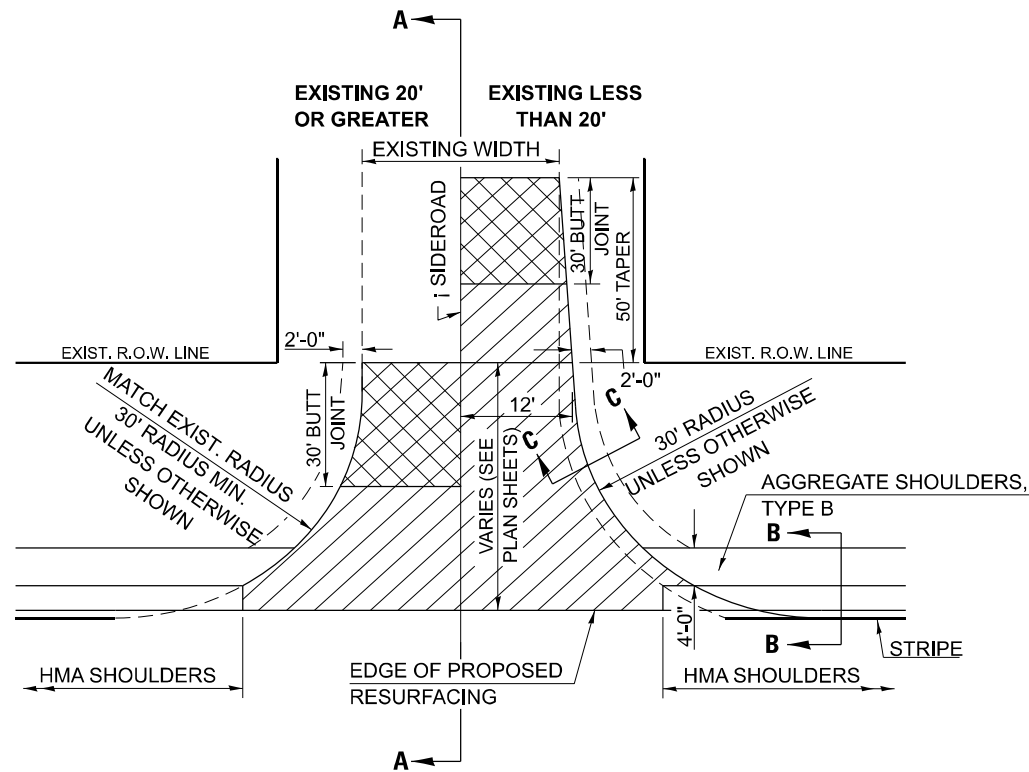
## "3P" OR "3R" IMPROVEMENTS



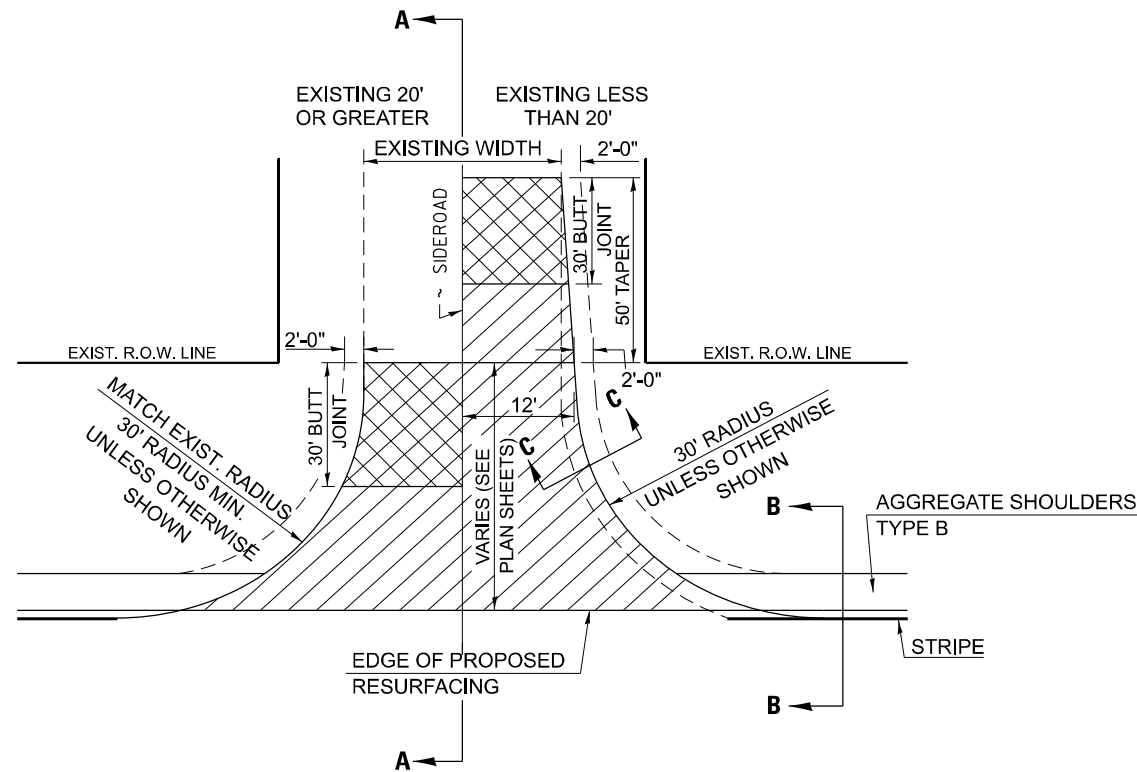
# PROJECTS WITH RECONSTRUCTION

## ("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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	53
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEROAD & SIDESTREETS (RURAL)

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

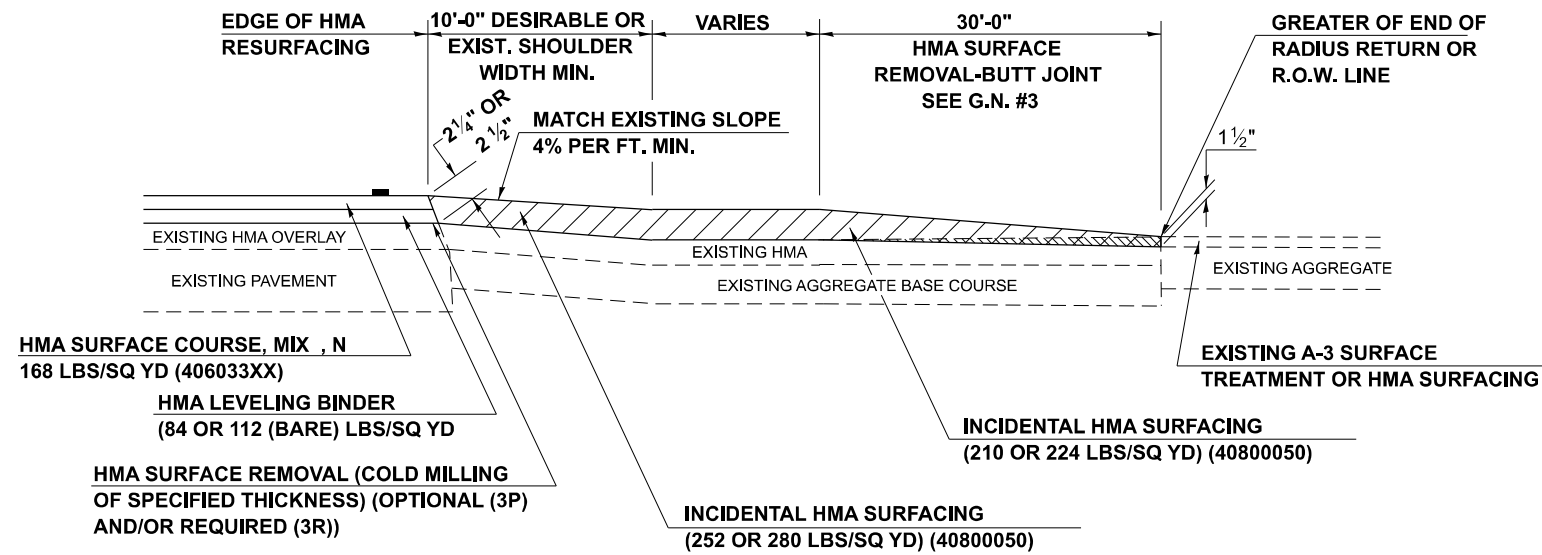
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FILE NAME: J:\21071\DOT D5-PTB 201\304\CADD\Detail\CAD\_Sheet10570B07-210405\_408000AA.dgn

**KT**  
KUNH & TRELLO  
CONSULTING ENGINEERS  
A Limited Liability Company  
109 N. 7th Street, 3rd Floor  
Springfield, IL 62761  
Phone: 217-678-0044

USER NAME = msutheard  
DESIGNED -  
DRAWN -  
CHECKED -  
DATE -  
PLOT SCALE = 0.16666633"/in.  
PLOT DATE = 1/15/2024

DESIGNED - 12/06 TJB  
DRAWN - 09/07 KAG  
CHECKED - 12/09 KJT  
DATE -  
REVISED -  
REVISED -  
REVISED -  
REVISED -

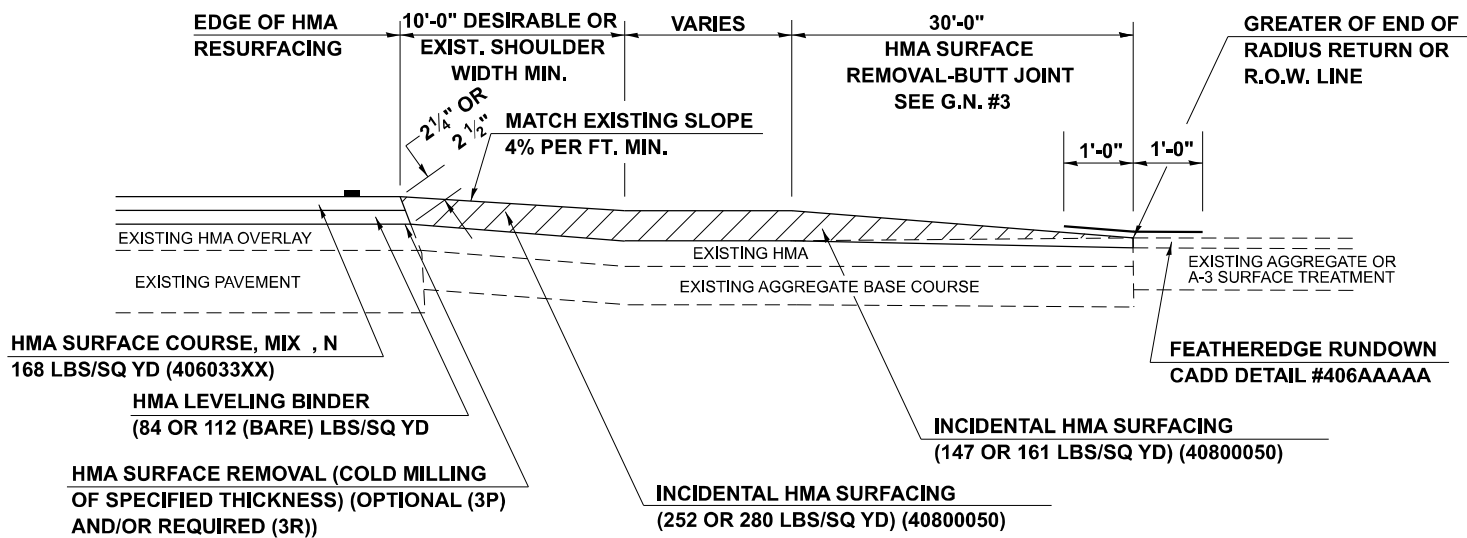
**SECTION A-A  
EXISTING HMA OR PCC SIDEROAD (> 400 ADT)**



HMA SURFACE COURSE, MIX , N  
168 LBS/SQ YD (406033XX)  
HMA LEVELING BINDER  
(84 OR 112 (BARE) LBS/SQ YD)  
HMA SURFACE REMOVAL (COLD MILLING  
OF SPECIFIED THICKNESS) (OPTIONAL (3P)  
AND/OR REQUIRED (3R))

INCIDENTAL HMA SURFACING  
(210 OR 224 LBS/SQ YD) (40800050)  
INCIDENTAL HMA SURFACING  
(252 OR 280 LBS/SQ YD) (40800050)

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

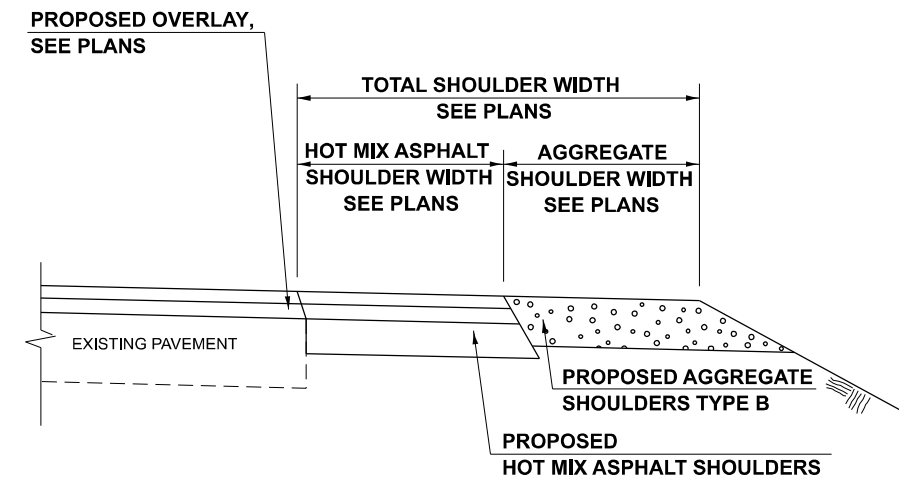


HMA SURFACE COURSE, MIX , N  
168 LBS/SQ YD (406033XX)  
HMA LEVELING BINDER  
(84 OR 112 (BARE) LBS/SQ YD)  
HMA SURFACE REMOVAL (COLD MILLING  
OF SPECIFIED THICKNESS) (OPTIONAL (3P)  
AND/OR REQUIRED (3R))

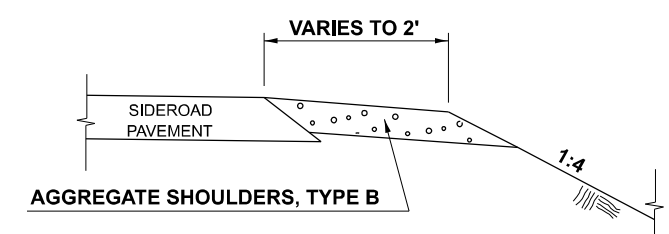
INCIDENTAL HMA SURFACING  
(147 OR 161 LBS/SQ YD) (40800050)  
INCIDENTAL HMA SURFACING  
(252 OR 280 LBS/SQ YD) (40800050)

FEATHEREDGE RUNDOWN  
CADD DETAIL #406AAAAA

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 rundown" 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									
<b>SURFACE TYPE</b>											
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**

MODEL: Sheet 2  
FILE NAME: J:\2024\DOT 05-PTB 201-034\CADD\DetailCAD\_Sheet05070B07-24h405\_408000AA.dgn



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PLOT DATE = 1/15/2024	CHECKED -	REVISD - 12/09 KJT
	DATE -	REVISD -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIDEROAD & SIDESTREETS (RURAL)**

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

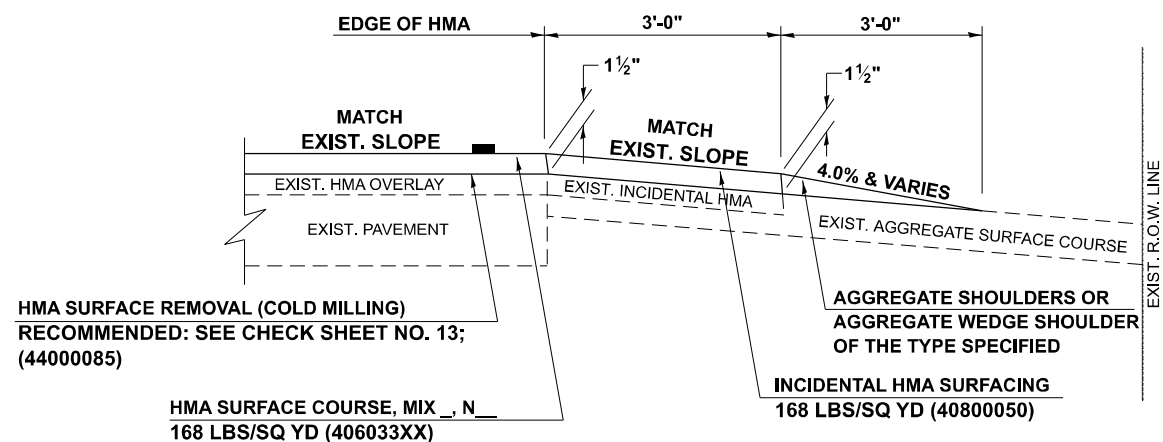
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	54
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

# PROJECTS WITHOUT RECONSTRUCTION

("3R" WITHOUT RECONSTRUCTION, 3P, SMART AND CM)

## S.M.A.R.T. IMPROVEMENTS

(POLICY RESURFACING; BDE 53-4.03; 1½")

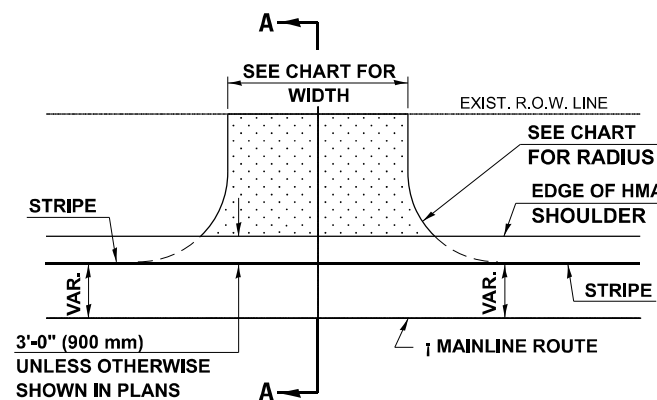


# PROJECTS WITH RECONSTRUCTION

("3R" IMPROVEMENTS AND SMART/3P "SPOT" LOCATIONS)

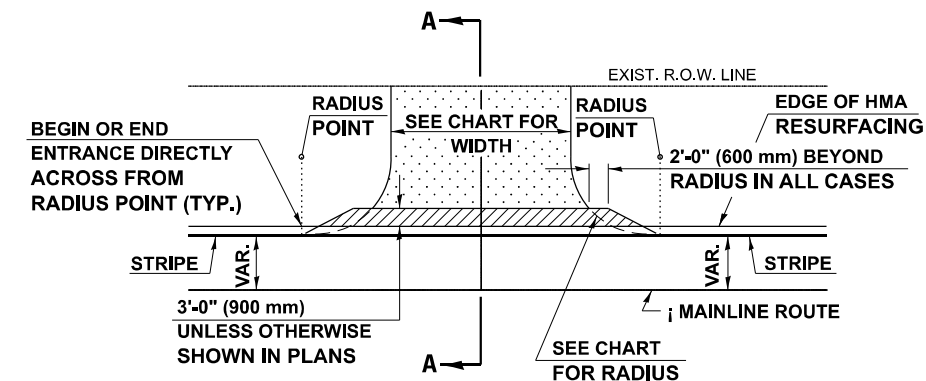
## ADJACENT TO PROPOSED HMA SHOULDERS

(AGGREGATE OR EARTH ENTRANCE)



TYPICAL APPLICATION

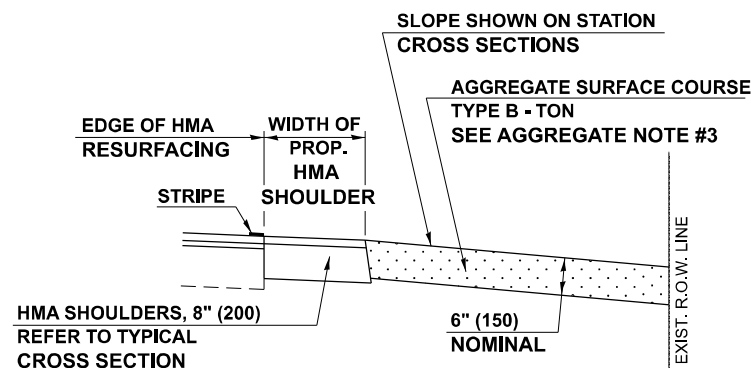
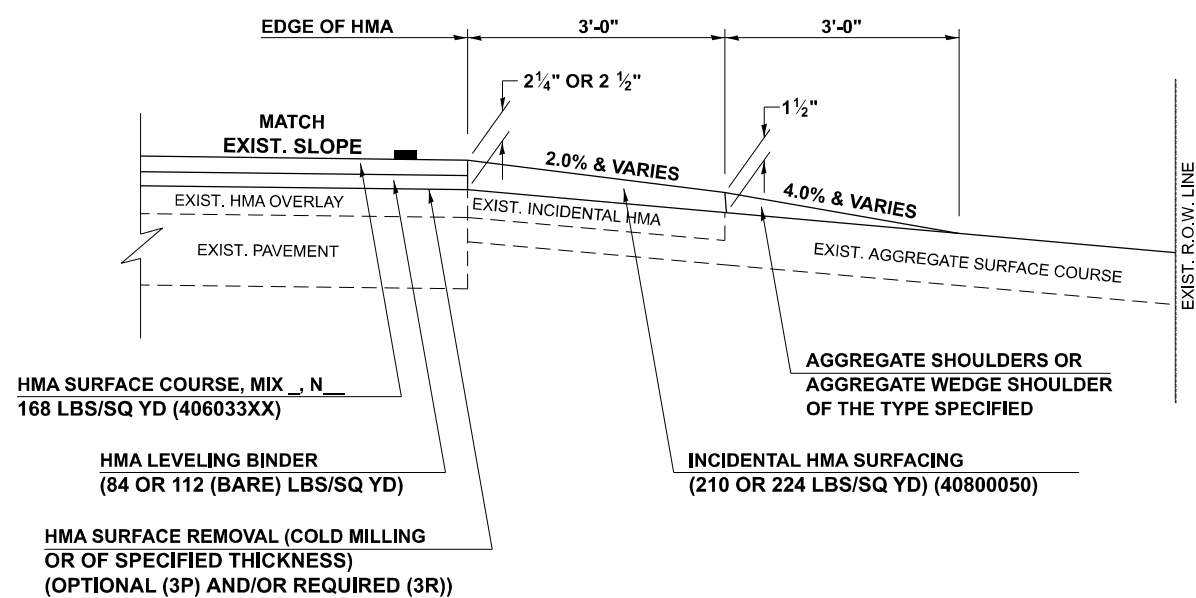
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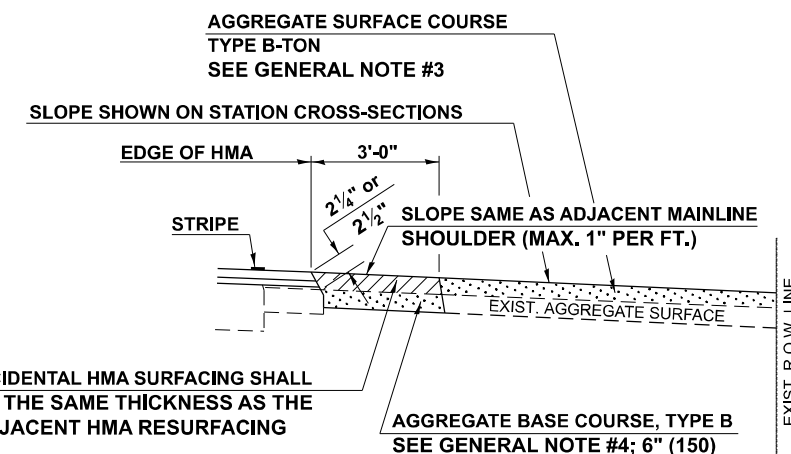
TYPICAL APPLICATION

## "3P" OR "3R" IMPROVEMENTS

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



SECTION A-A



SECTION A-A

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

### DISTRICT 5 DETAIL NO. 4080050A

MODEL: Sheet1  
FILE NAME: 20230715DOTD5-PTB 201204CADDetailCAD\_Sheet1057087-24h405\_4080050A.dgn



USER NAME = msutheard  
DESIGNED -  
DRAWN -  
PLOT SCALE = 0.16666833"/in.  
PLOT DATE = 1/15/2024

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED - 9/2007 KAG  
REVISED - 4/2008 KJT  
REVISED - 3/2017 SWN  
REVISED - 8/2022 JWS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FIELD ENTRANCES (NONCOMMERCIAL RURAL)

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-18(34)RS-2885-1	VERMILION	65	55
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

**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. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. 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".
7. 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 MEMORANDUM 104/01 DISCUSS THIS PROCEDURE.

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			PRIVATE & FIELD			COMMERCIAL	
	min.	des.	max.	min.	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					
						14	16	24						
						2 LANE, 2 WAY			2 LANE, 2 WAY					
						24	30	35	resurface existing configuration; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them					
RADIUS (FT)	15	25	40	30		20	30	50						
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)	1:4	1:6	1:10	1:4	1:6	1:4	1:6	1:10						
<b>SURFACE TYPE</b>														
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						

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

**DISTRICT 5 DETAIL NO. 4080050A**

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PLOT DATE = 1/15/2024	DATE -	REVISOR -	8/2022 JWS

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

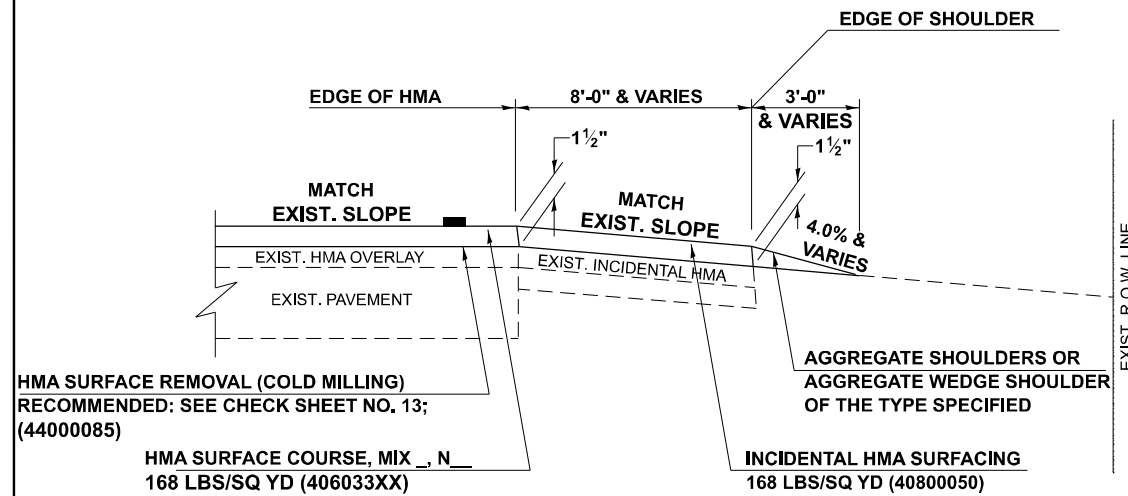
**FIELD ENTRANCES (NONCOMMERCIAL RURAL)**

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

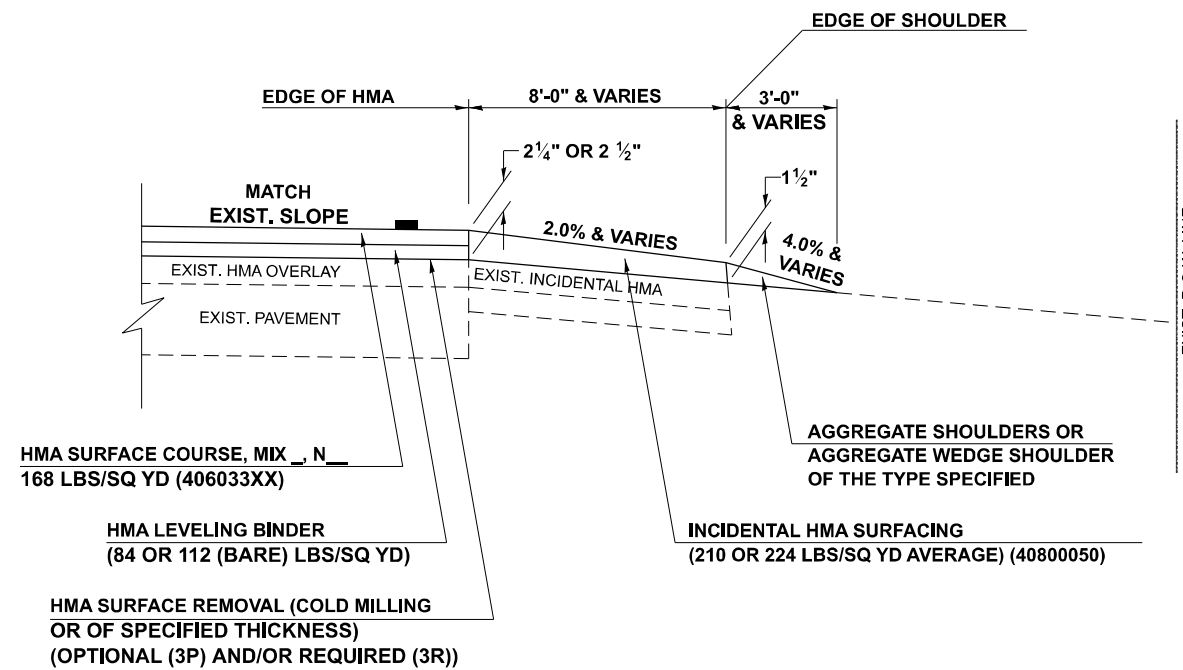
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	56
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

# PROJECTS WITHOUT RECONSTRUCTION

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



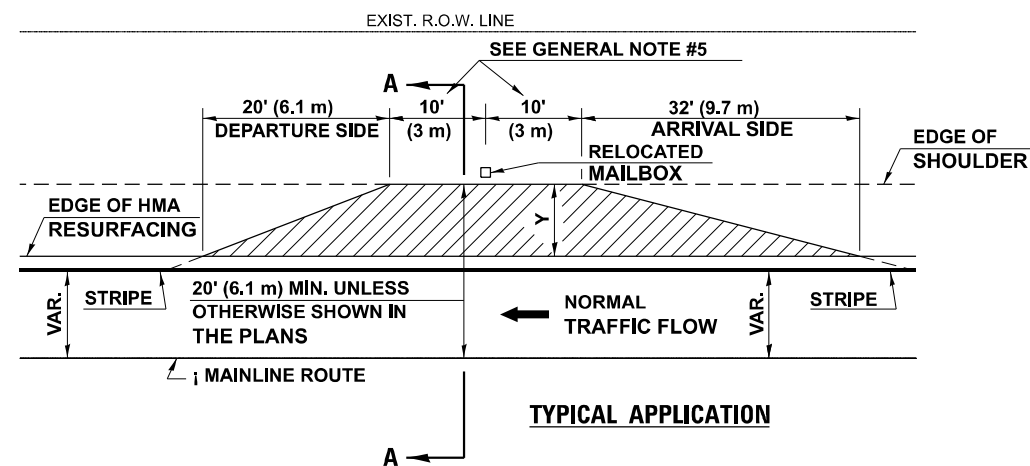
## "3P" OR "3R" IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.02; 2¼" OR 2½" ON BARE CONCRETE)



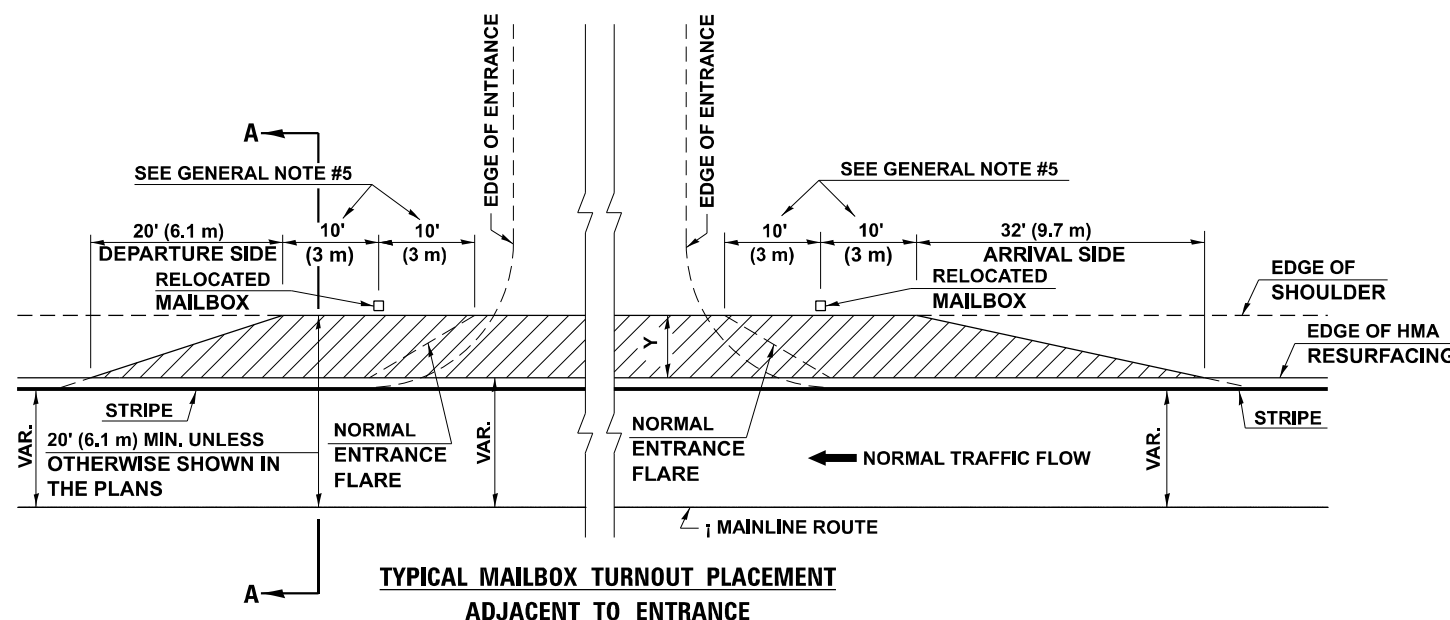
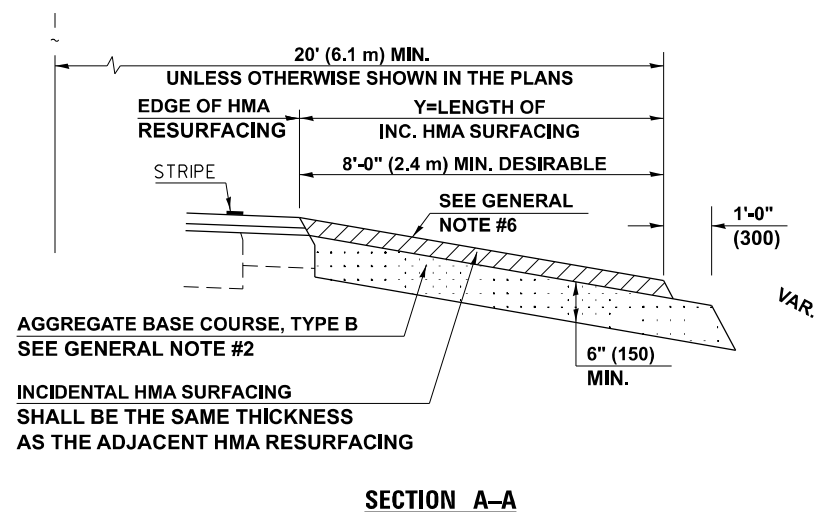
### GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED MAILBOX TURNOUTS. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ALL EXISTING MAILBOX TURNOUTS OR TO CONSTRUCT NEW MAILBOX TURNOUTS WHERE NONE NOW EXISTS.
3. ANY NECESSARY WORK BEHIND THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
4. THE TEMPORARY RELOCATION OF EXISTING MAILBOXES SHALL BE IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.
5. WHEN MORE THAN ONE RELOCATED MAILBOX IS INCLUDED IN A PARTICULAR LOCATION THE TWO 10' (3 m) DIMENSIONS AS SHOWN ABOVE SHALL BE FROM THE END MAILBOX.
6. CROSS SLOPE SHALL BE AS SHOWN ON THE STATION CROSS SECTIONS AND/OR AS DIRECTED BY THE ENGINEER.  
MINIMUM 4% (1/2") DESIRABLE; MAXIMUM 8% (1")
7. WHEN MAILBOX TURNOUTS ARE CONSTRUCTED ADJACENT TO FIELD ENTRANCES, THE WIDTH OF THE INCIDENTAL HMA SURFACING CONSTRUCTED FOR THE FIELD ENTRANCE SHALL MATCH THE WIDTH OF THE PROPOSED MAILBOX TURNOUT SURFACING.
8. THE TOTAL SHOULDER WIDTH, 2.4 m (8') MINIMUM, SHALL BE PAVED BETWEEN SIDEROADS ENTRANCES AND/OR MAILBOX TURNOUTS AT LOCATIONS WHERE THE DISTANCE BETWEEN RADIUS OR TAPER CONTROL POINTS IS LESS THAN 15.0 m (50').
9. MAILBOXES SHALL BE MOUNTED SUCH THAT THE FACE OF THE MAILBOX IS 6" (150 mm) TO 12" (300 mm) AND THE POST A MINIMUM OF 24" (600 mm) FROM THE EDGE OF THE TURNOUT SURFACING.

# PROJECTS WITH RECONSTRUCTION ("3R" IMPROVEMENTS)



WIDTH OF SHOULDER	4'-0" - 8'-0" (1.2 m - 2.4 m)	10'-0" (3.0 m)
WIDTH OF TURNOUT "Y"	8'-0" (2.4 m)	8'-0" - 10'-0" (2.4 m - 3.0 m)



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

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**KT**  
KUNN & TRELLO  
CONSULTING ENGINEERS  
A Limited Liability Company  
109 N. 7th Street, 3rd Floor  
Springfield, IL 62761  
Phone: 217-678-0044

USER NAME = msutheard  
DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

DESIGNED - 12/2006 TJB  
REVISOR - 9/2007 KAG  
REVISOR - 8/2022 JWS  
REVISOR -

PLOT SCALE = 0.16666833"/in.  
PLOT DATE = 1/15/2024

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAILBOX TURNOUT (RURAL)

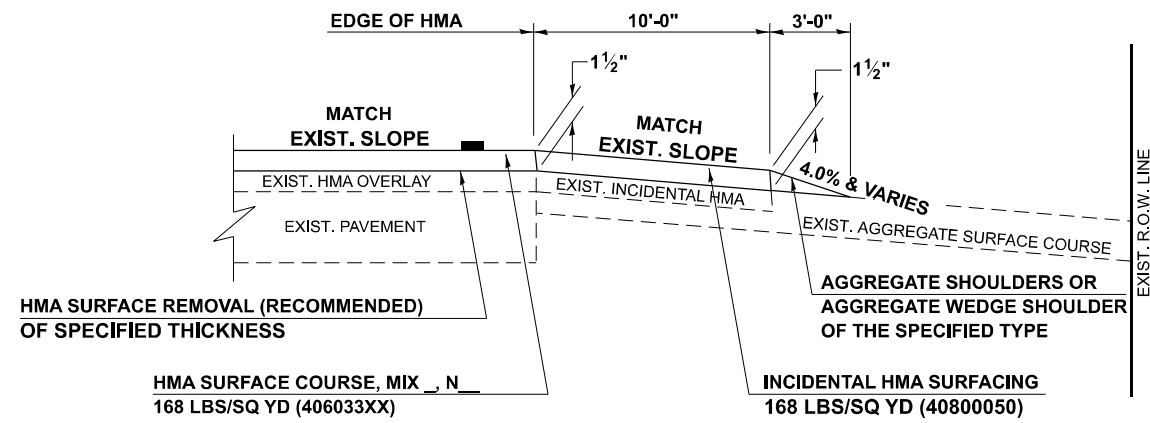
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 40800050B

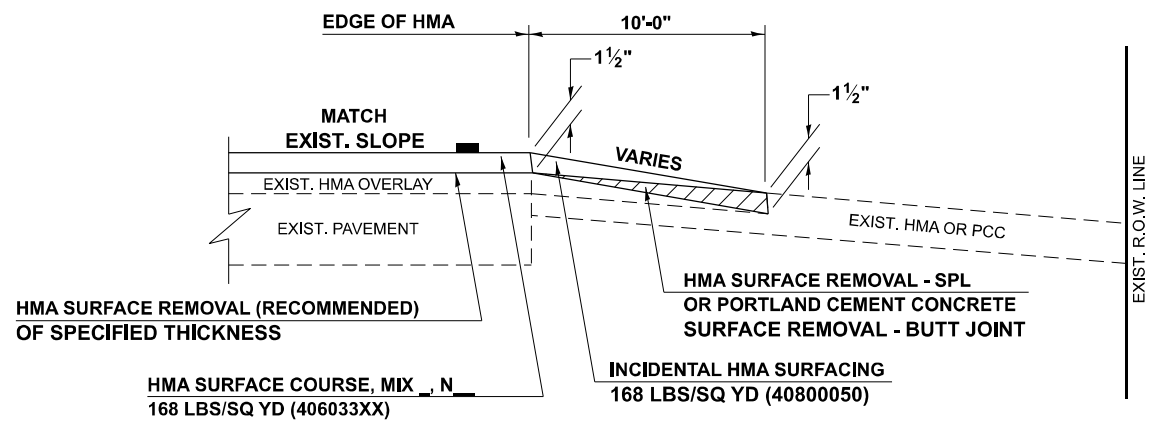
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-18(34)RS-2885-1	VERMILION	65	57
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

# PROJECTS WITHOUT RECONSTRUCTION

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

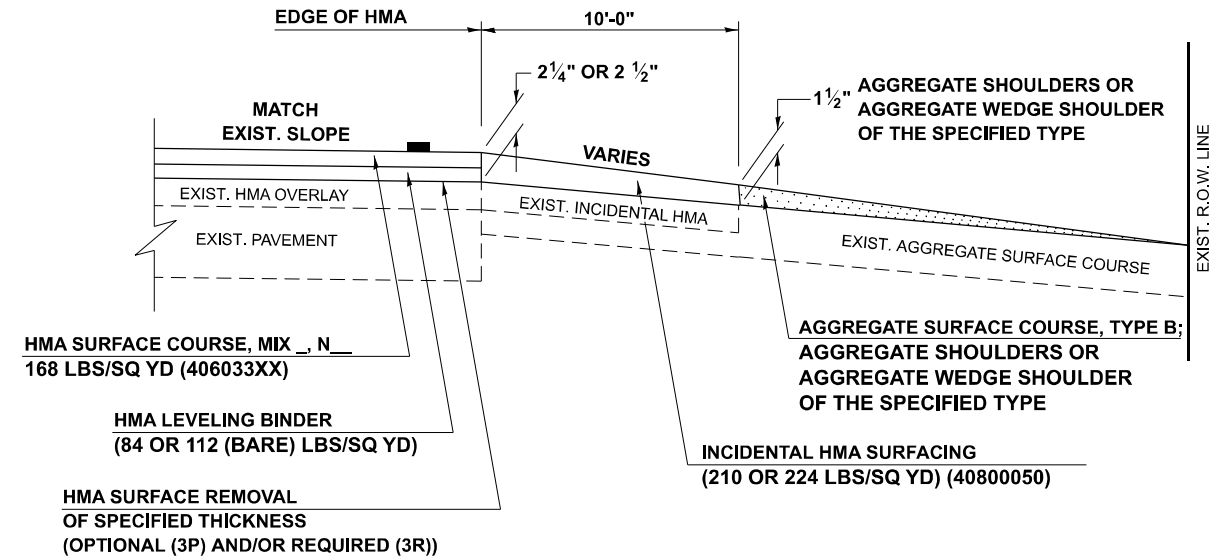


**EXISTING AGGREGATE ENTRANCE**

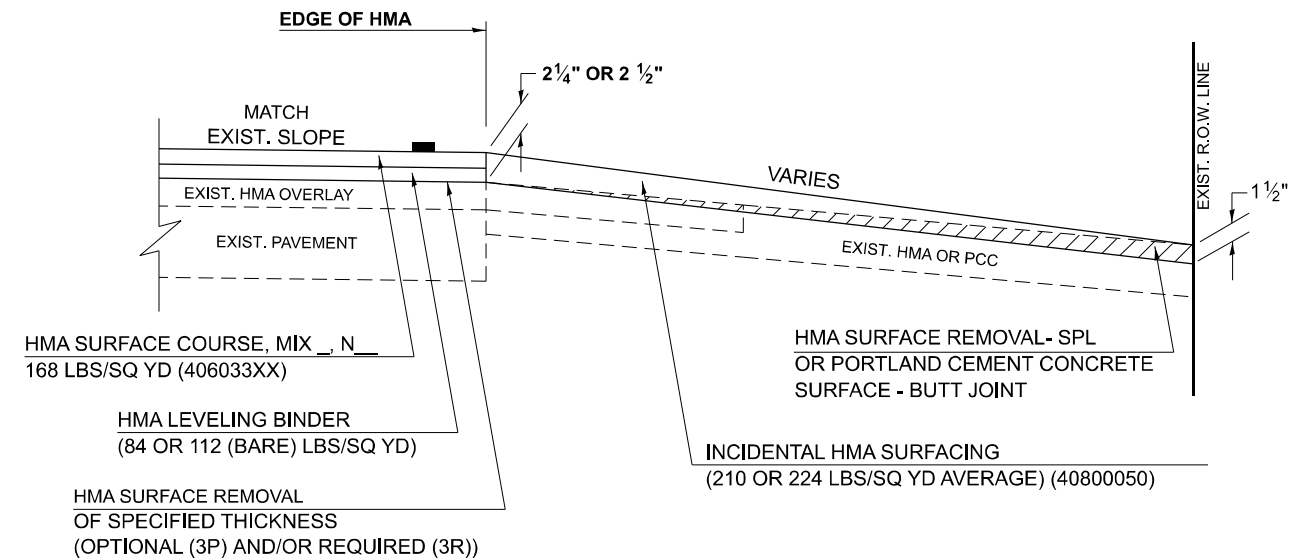


**EXISTING HMA OR PCC ENTRANCE**

## "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.

**DISTRICT 5 DETAIL NO. 40800050C**

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PLOT DATE = 1/15/2024	CHECKED -	REVISED - 3/6/17 SWN
	DATE -	REVISED - 8/25/22 JWS

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

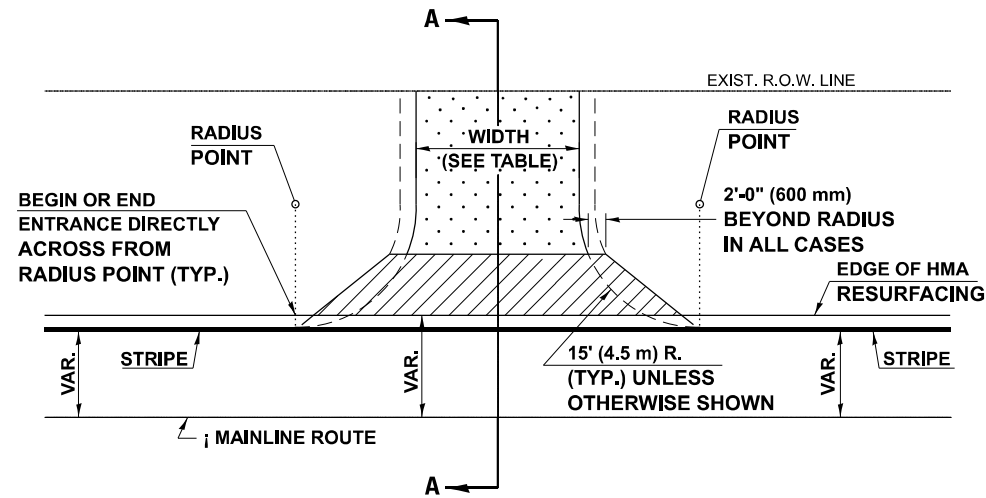
<b>PRIVATE COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)</b>			
SCALE:	SHEET 1	OF 2 SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

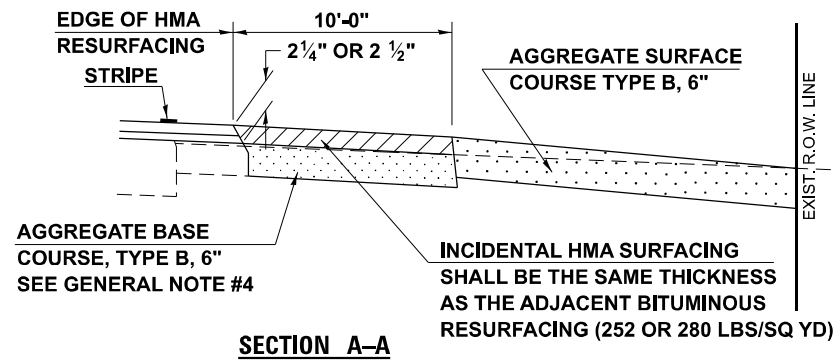
# PROJECTS WITH RECONSTRUCTION

## AGGREGATE ENTRANCE

## (3R IMPROVEMENTS)

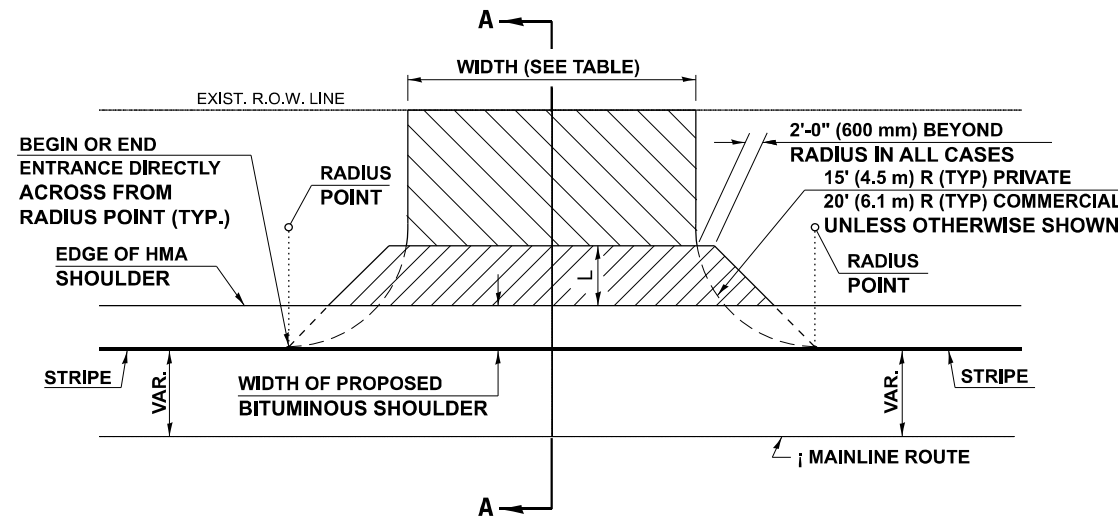


TYPICAL APPLICATION

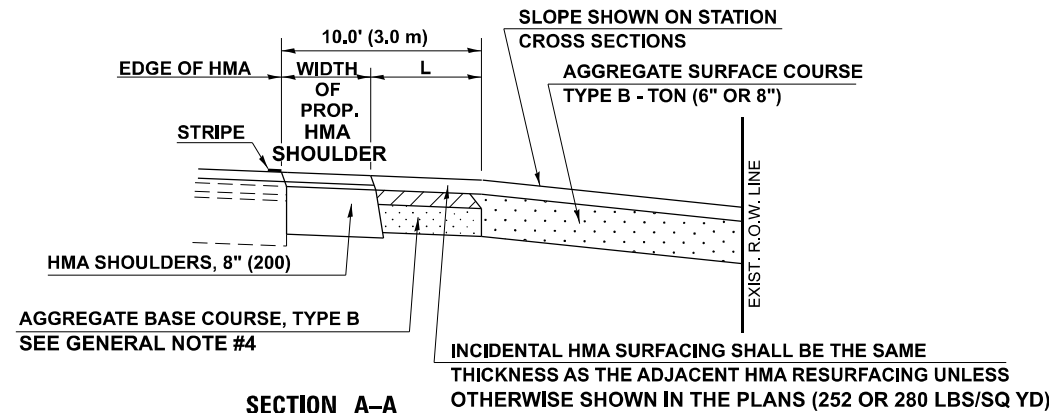


SECTION A-A

## HMA OR PCC ENTRANCE



TYPICAL APPLICATION



SECTION A-A  
"HMA EXAMPLE"

## 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. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. 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			FIELD W/FARM IMPLEMENTS			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL		
	min.	des.	max.	min.	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		resurface existing configuration; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them						
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							
<b>SURFACE TYPE</b>															
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							

### DISTRICT 5 DETAIL NO. 40800050C

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Professional Design Firm No. 284-006526



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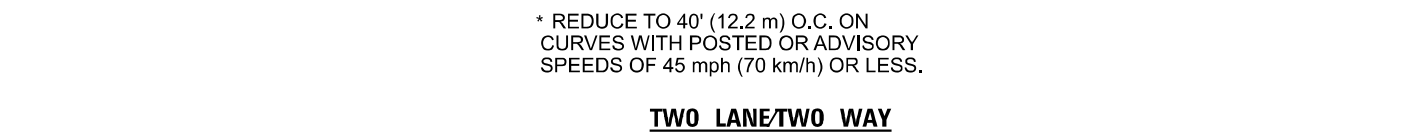
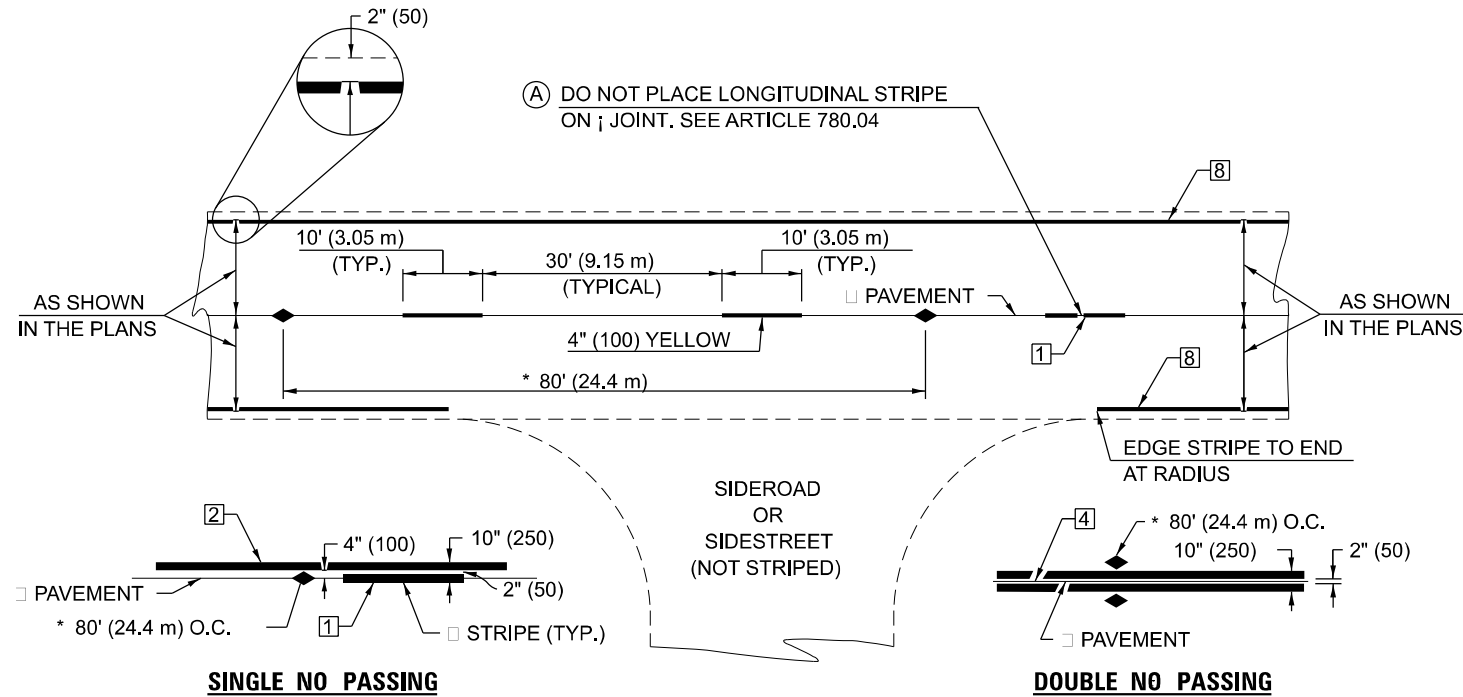
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REVISED - 3/6/17 SWN  
REVISED - 8/25/22 JWS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PRIVATE COMMERCIAL ENTRANCES  
(NONCOMMERCIAL AND COMMERCIAL RURAL)

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5.79,72)RS-1&(34)RS-2&85-1	VERMILION	65	59
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				



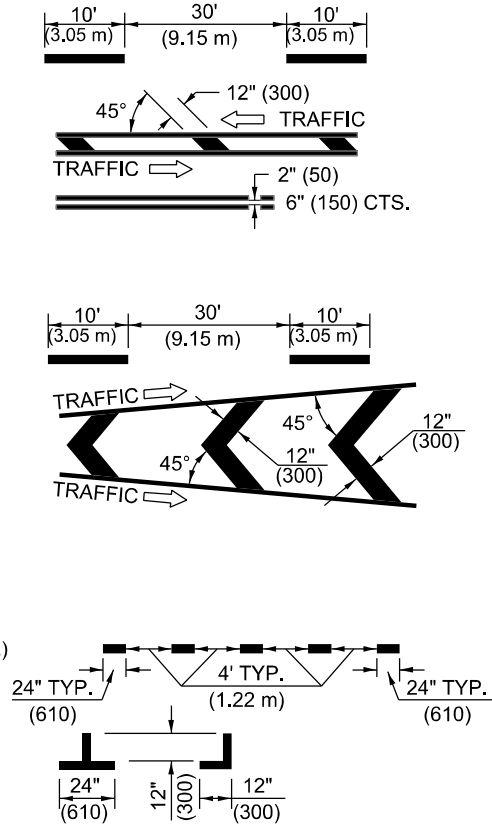
**TWO LANE/TWO WAY**

**TYPICAL PAVEMENT MARKING LEGEND**

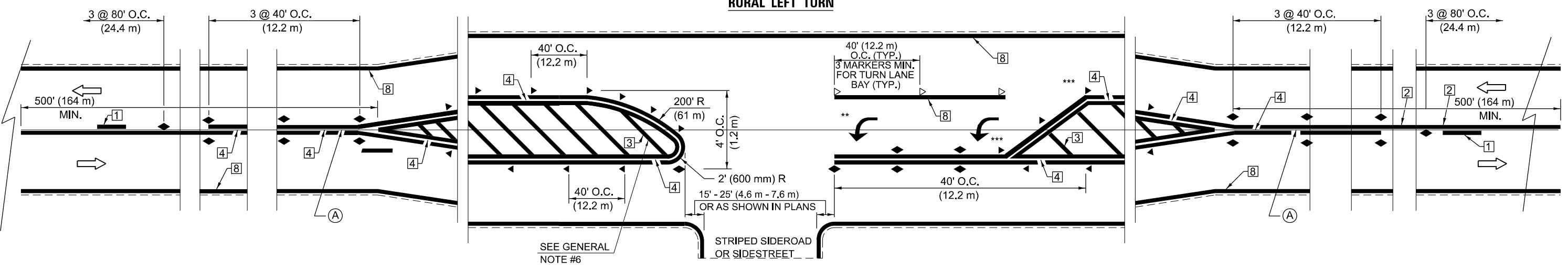
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)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

MODEL: Sheet1  
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 Professional Design Firm No. 184-006516



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	DATE -	8/2022 JLA

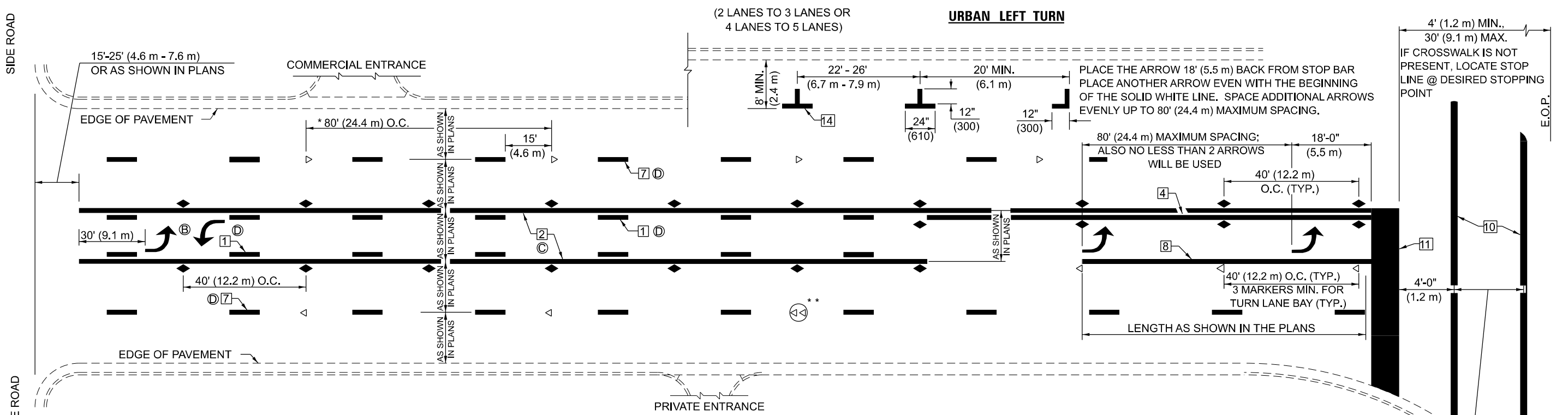
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

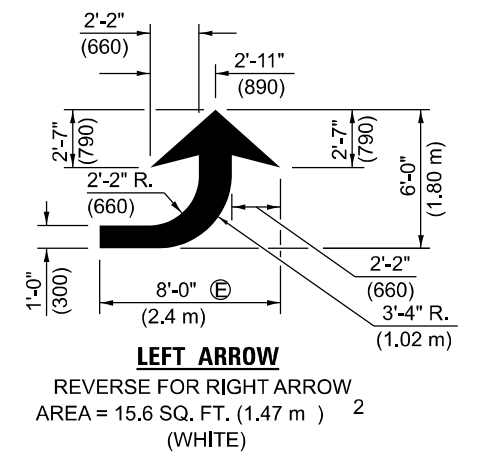




\* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

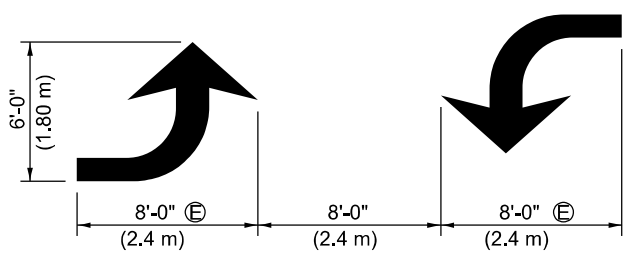
\*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

- 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 2 □ 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 1 □ OR 7 □ 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)

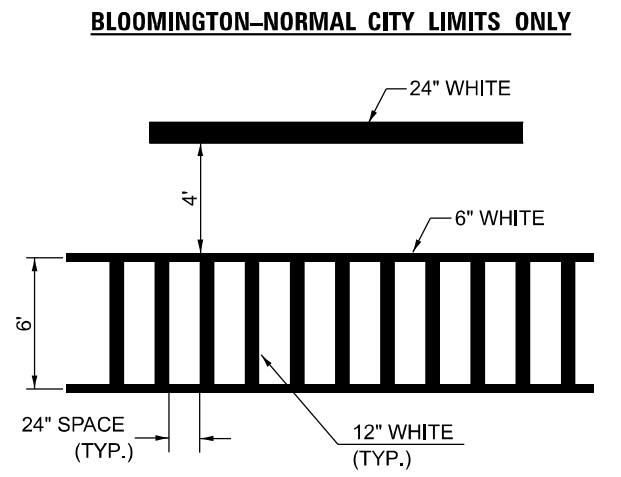


**LEFT ARROW**

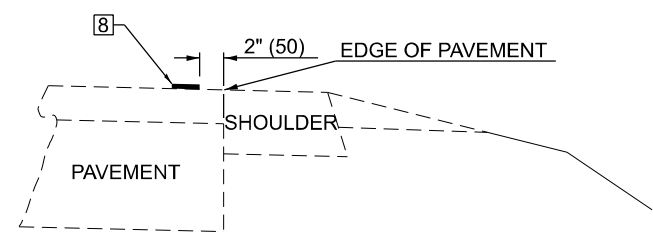
REVERSE FOR RIGHT ARROW  
 AREA = 15.6 SQ. FT. (1.47 m<sup>2</sup>)  
 (WHITE)



**TYPICAL DOUBLE TURN ARROWS (WHITE)**

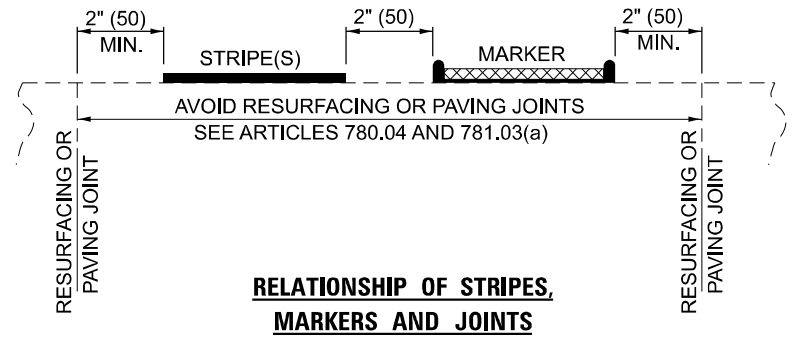


**TYPICAL SPACING FOR CROSSWALKS & STOP BARS**



**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: Sheet 2  
 FILE NAME: 20230715DOTD5-PTB 201034CADDmainCAD\_Sheet05070807-24h405\_7800AAA.dgn  
 Professional Design Firm No. 284-006526



USER NAME = msutheard  
 PLOT SCALE = 0.16666833"/in.  
 PLOT DATE = 1/15/2024

DESIGNED -	9/2009 KJT
DRAWN -	4/2014 JLA
CHECKED -	3/2019 SWN
DATE -	8/2022 JLA

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

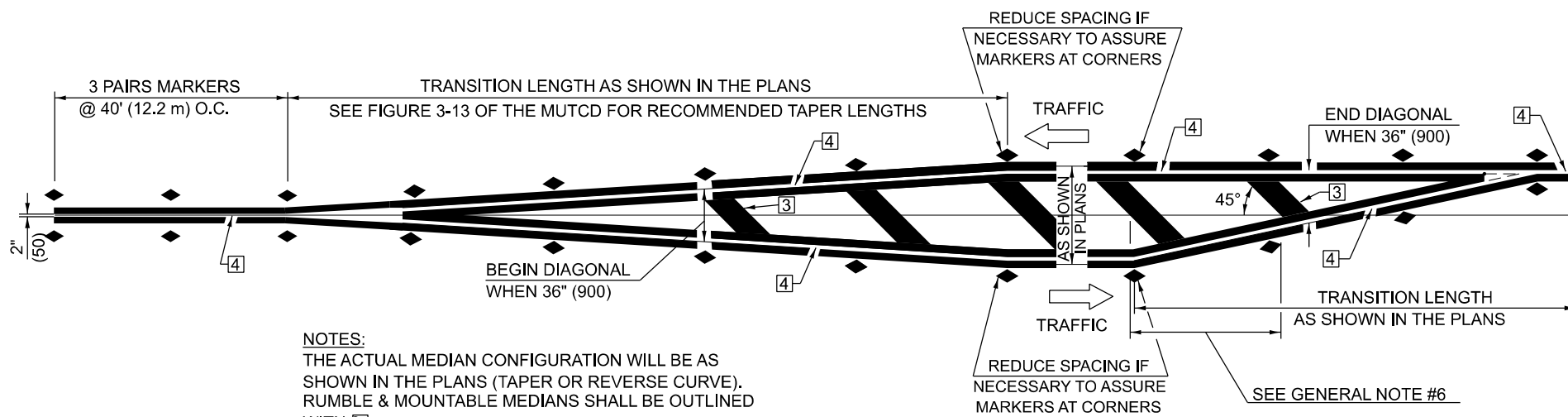
**PAVEMENT MARKING AND MARKERS  
 (RURAL & URBAN APPLICATIONS)**

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

**DISTRICT 5 (DETAIL NO. 7800AAA)**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5.79,72)RS-18(34)RS-2885-1	VERMILION	65	61

CONTRACT NO. 70B07  
 ILLINOIS FED. AID PROJECT

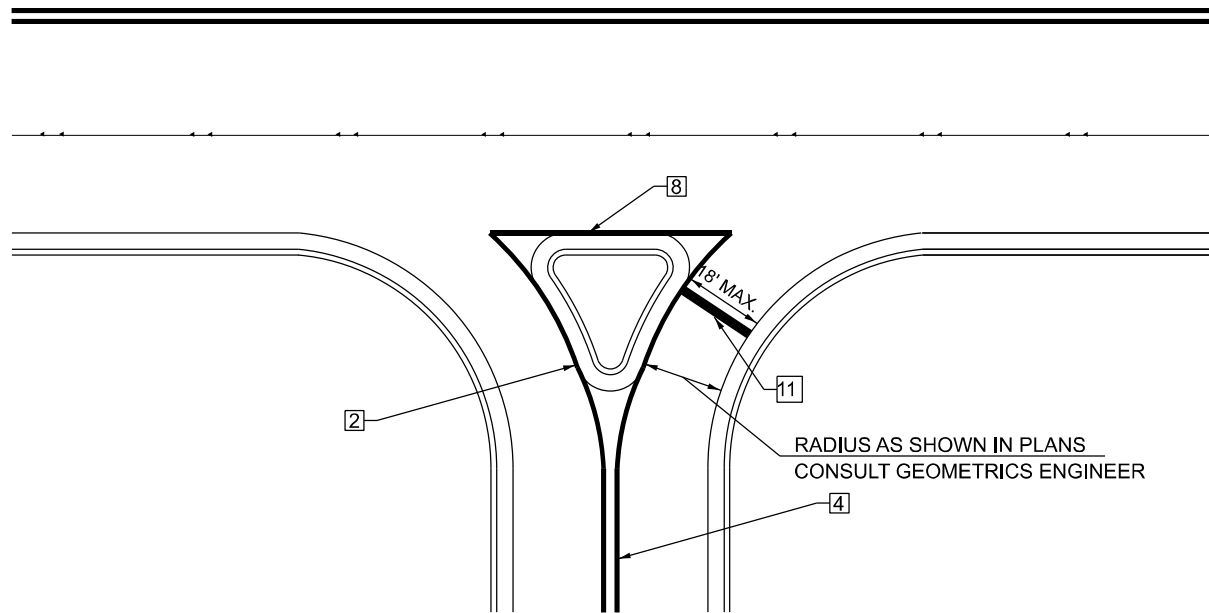


NOTES:  
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).  
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH

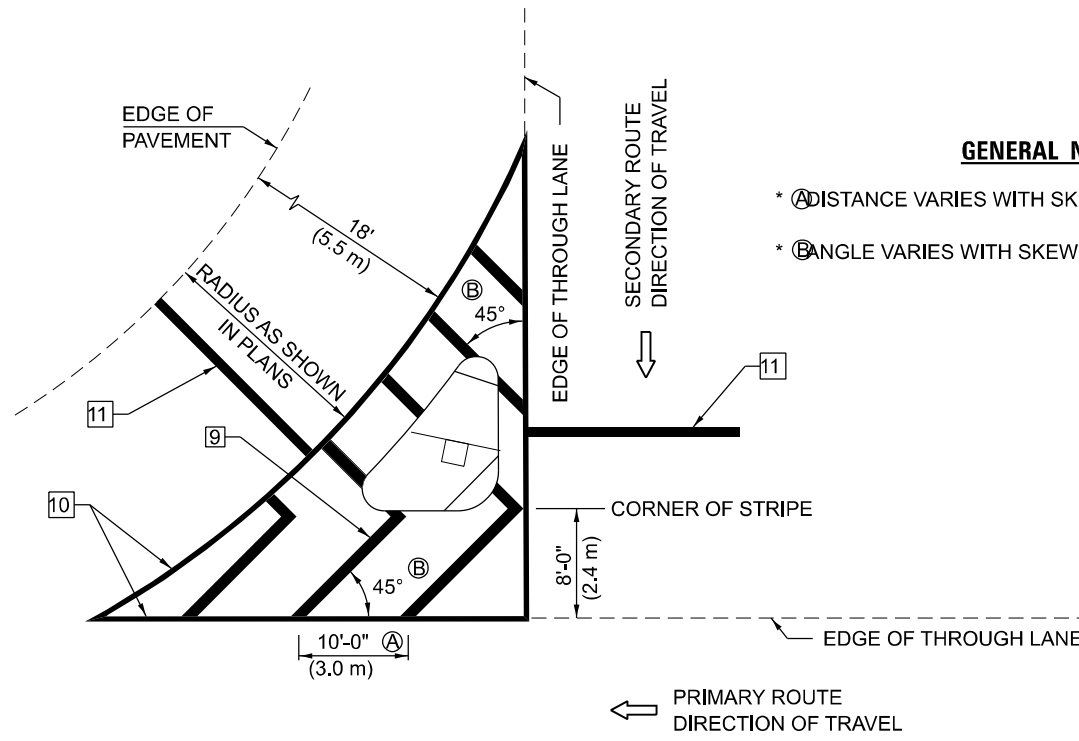
**TYPICAL MEDIAN TRANSITIONS**

**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**



**ISLAND**

**GENERAL NOTES**

- \*  $\textcircled{A}$  DISTANCE VARIES WITH SKEW OF INTERSECTION.
- \*  $\textcircled{B}$  ANGLE VARIES WITH SKEW OF INTERSECTION.

\* FOR RIGHT TURN LANE AND ISLAND STRIPING CONSULT GEOMETRICS ENGINEER.

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

MODEL: Sheet 3  
 FILE NAME: J:\2022\DOT\DOT 05-PTB 201-034\CADD\CADD\CAD\_Sheet\05PTB07-24h05\_7800AAA.dgn  
 Professional Design Firm No. 184-006516



USER NAME = msutheard	DESIGNED -	REVISED - 9/2009 KJT
PLOT SCALE = 0.16666833"/in.	DRAWN -	REVISED - 4/2014 JLA
PLOT DATE = 1/15/2024	CHECKED -	REVISED - 3/2019 SWN
	DATE -	REVISED - 8/2022 JLA

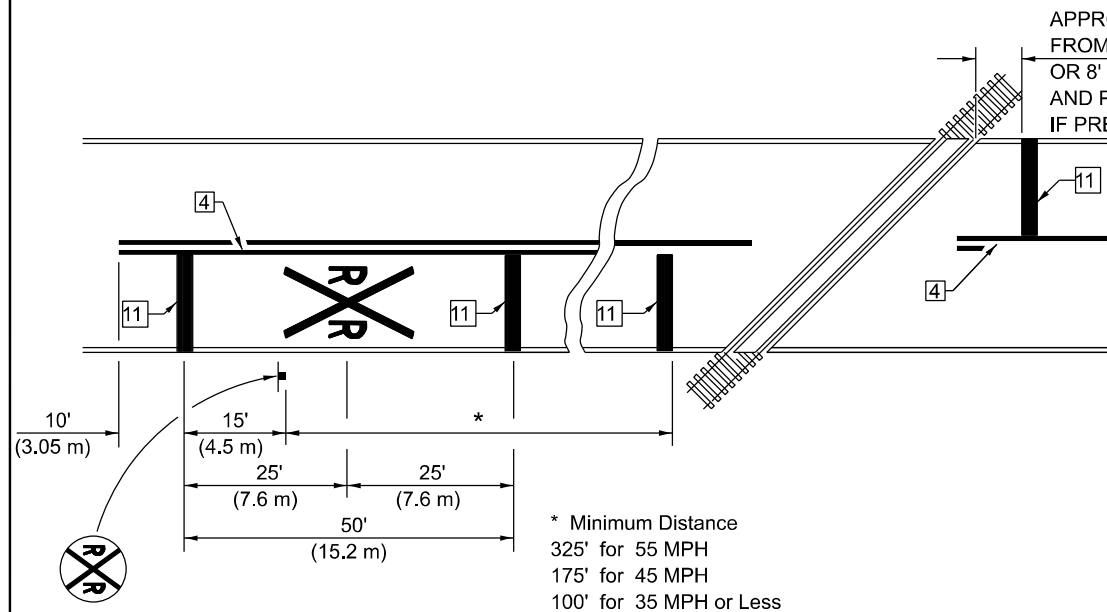
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

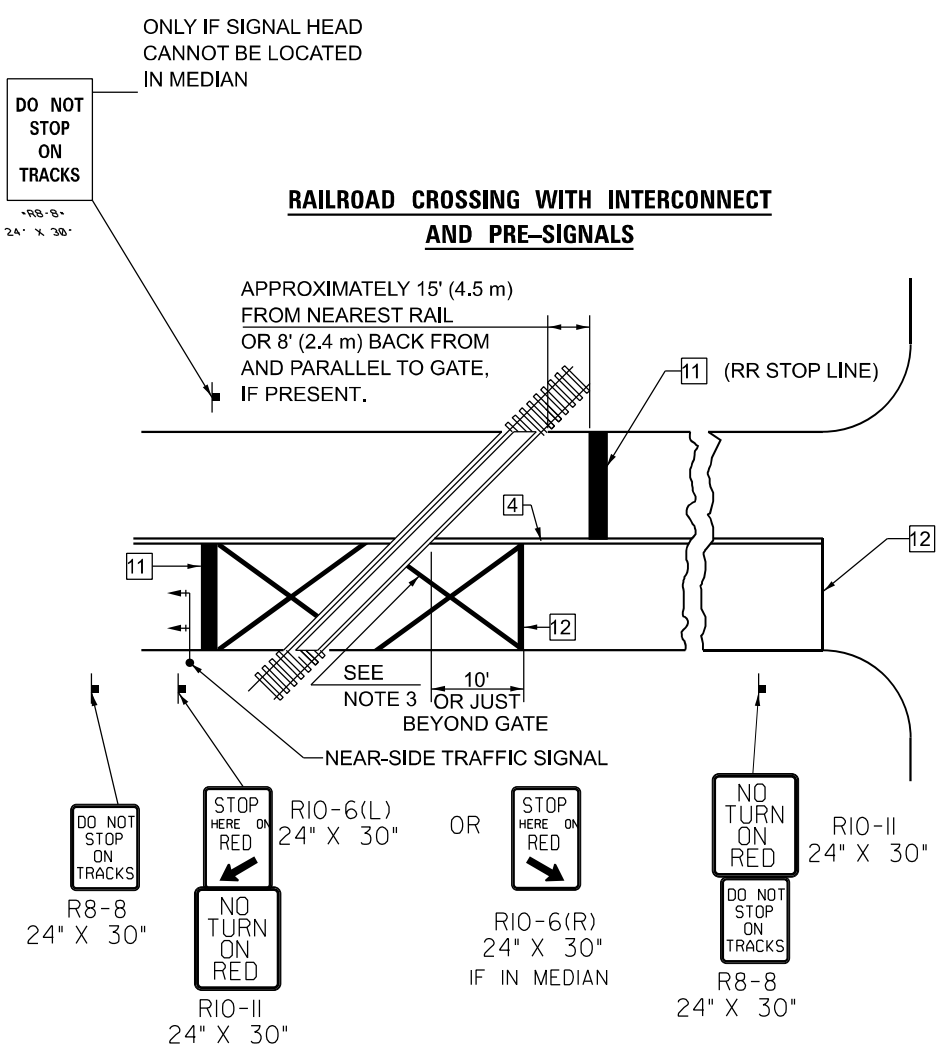
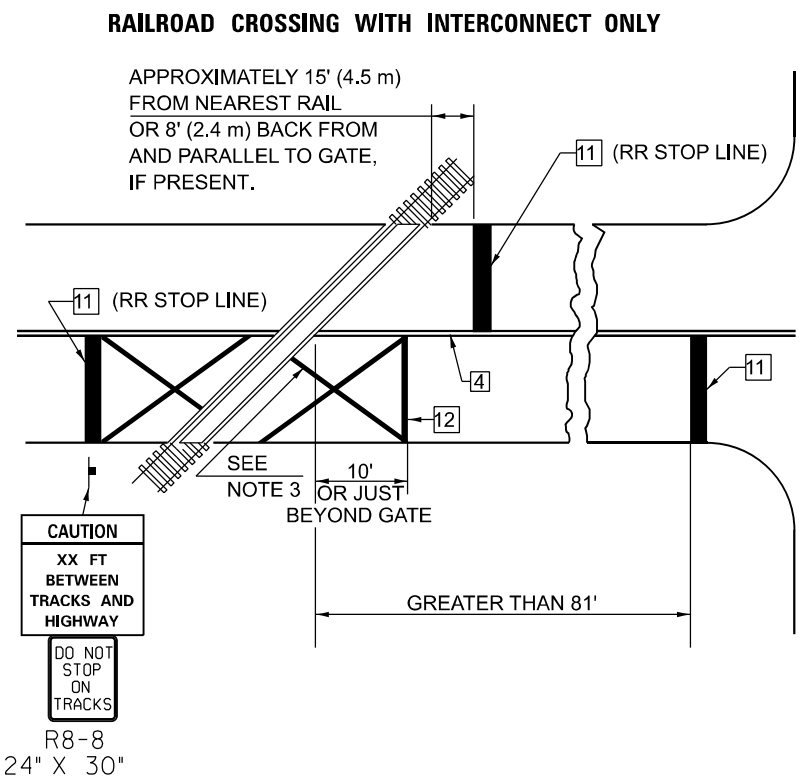
SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAA				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	62
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				

MODEL: Sheet 4  
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 Professional Design Firm No. 284-006526



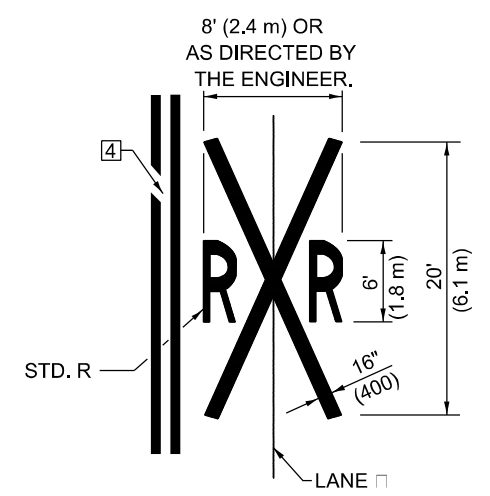
**PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING**



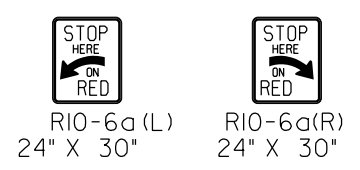
**SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING**

**GENERAL NOTES**

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
3. 6" WHITE PAVEMENT MARKINGS AT 45° TO PAVEMENT, 8' CENTER TO CENTER.
4. 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.
5. 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.



**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.

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

**DISTRICT 5 DETAIL NO. 7800AAA**



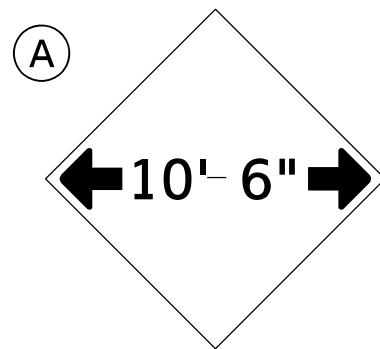
USER NAME = msutheard	DESIGNED -	REVISED - 9/2009 KJT
PLOT SCALE = 0.16666833"/in.	DRAWN -	REVISED - 4/2014 JLA
PLOT DATE = 1/15/2024	CHECKED -	REVISED - 3/2019 SWN
	DATE -	REVISED - 8/2022 JLA

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

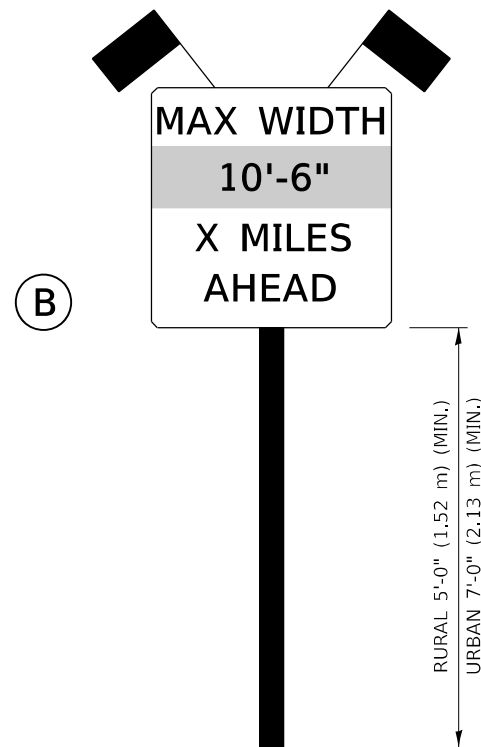
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5.79,72)RS-18(34)RS-2885-1	VERMILION	65	63
CONTRACT NO. 70B07				
ILLINOIS		FED. AID PROJECT		



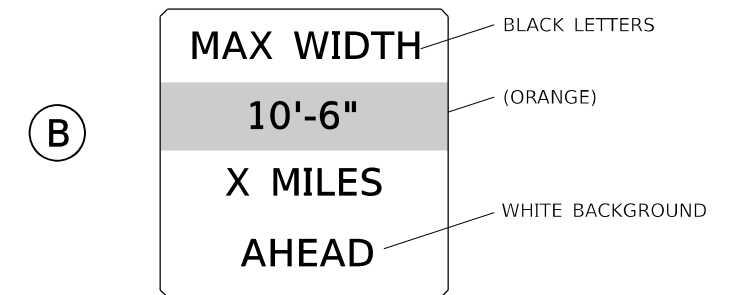
**W12-2(O)-48"x48"(1200x1200)**

SIGN (A) 2 SIGNS - W12-2(O)-48"x48"(1200x1200) ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

SIGN (B) 2 SIGNS - (SIGN PANEL, TYPE II) AS SHOWN ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.



**SIGN PANEL, TYPE II**



**W12-I103(O)-48"x48"(1200x1200)  
"D" LETTERS/NUMBERS**

### GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL (B) SIGNS SHALL HAVE FLAGS INSTALLED UNLESS OTHERWISE DIRECTED.
3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
4. ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
5. ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE DIRECTED.
6. ALL SIGNS SHOWN ORANGE (O) SHALL BE FLUORESCENT ORANGE.
7. ALL SIGNS SHOWN SHALL CONSIST OF THE CURRENT RETROREFLECTIVE SHEETING REQUIREMENTS AS OUTLINED IN SECTION 1106.01 OF THE STANDARD SPECIFICATIONS BOOK.

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

MODEL SHEET 1  
FILE NAME: I:\1077\_IDOT\_D5 - PTB 201-031\CADD\Bals\CAD\_Sheets\0570B07-sh1-D5\_X7200201.dgn



USER NAME = msulheard	DESIGNED -	REVISED - 05/08
PLOT SCALE = 0.16666633 1 / in.	DRAWN -	REVISED - 10/08 KJT
PLOT DATE = 1/29/2024	CHECKED -	REVISED - 07/09 KJT
	DATE -	REVISED - 03/11 KJT

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WIDTH RESTRICTION SIGNING**

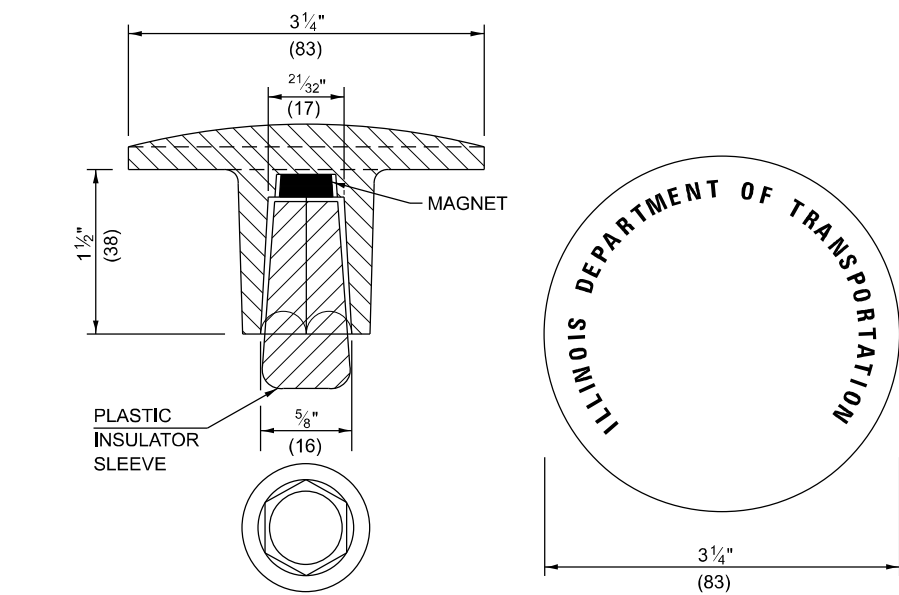
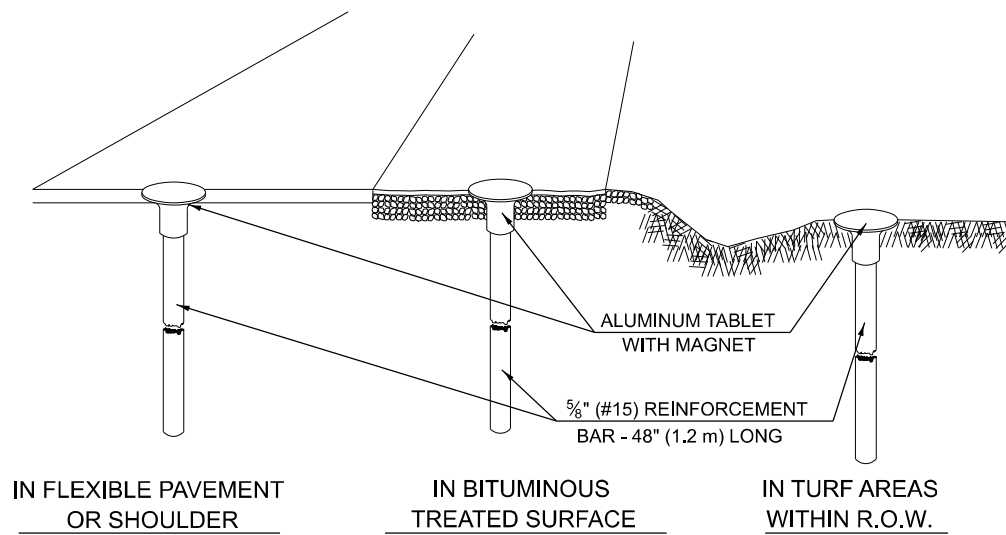
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

**DISTRICT 5 DETAIL NO. X7200201**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79.72)RS-1&(34)RS-2&85-1	VERMILION	65	64
CONTRACT NO. 70B07				
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)



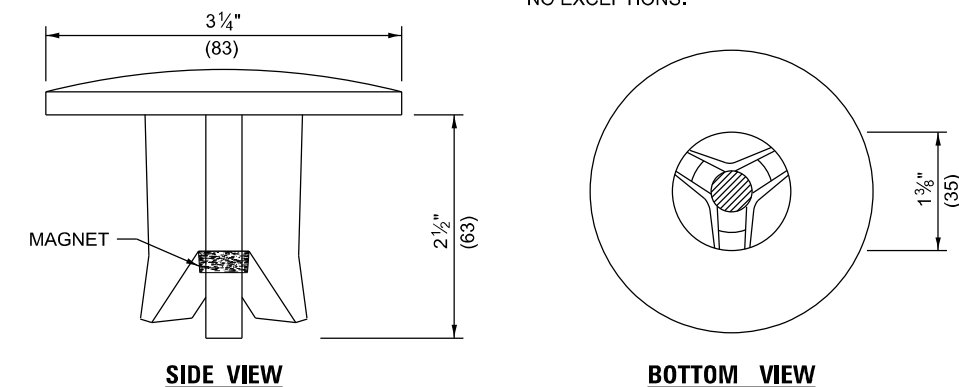
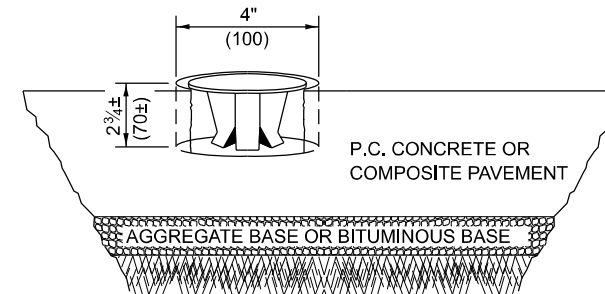
THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

**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).

**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.

**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.

DESIGNER NOTE: BDE 58-8.02 "PLACE MARKERS AT THE PT'S AND PC'S OF ALL HORIZONTAL CURVES AND SPACE THEM ALONG TANGENTS SO THAT TWO MARKERS ARE ALWAYS INTERVISIBLE."

MODEL: Sheet1

FILE NAME: J:\2107\DOT\05-PTB\210504\CADD\Detail\CAD\_Sheets\05\0507\shk05-XZ1933AA.dgn



USER NAME = msuheard	DESIGNED -	REVISED - 11/06
	DRAWN -	REVISED - 11/10
PLOT SCALE = 0.16666633"/in.	CHECKED -	REVISED -
PLOT DATE = 1/15/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

SCALE: SHEET OF SHEETS STA. TO STA.

**DISTRICT 5 DETAIL NO. XZ193AAA**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(5,79,72)RS-1&(34)RS-2&85-1	VERMILION	65	65
CONTRACT NO. 70B07				
ILLINOIS FED. AID PROJECT				