

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(6,15,14)R-RS-2	ILLINOIS	50	1
CONTRACT NO. 64R15				
*WINNEBAGO & BOONE				

D-92-059-21

FOR INDEX OF SHEETS AND HIGHWAY STANDARDS,
SEE SHEET NO. 2

PROPOSED
HIGHWAY PLANS

FAP ROUTE 525 (US 20)
SECTION (6,15,14)R-RS-2
PROJECT
SMART OVERLAY
WINNEBAGO & BOONE COUNTIES

C-92-043-23

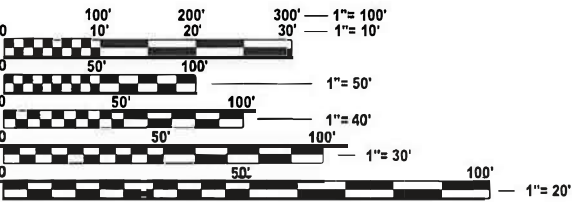
FUNCTIONAL CLASSIFICATION
OTHER PRINCIPAL ARTERIAL

2025 ADT: 19,975
2045 ADT: 21,925

P.V. = 89.1%
M.U. = 6.4%
S.U. = 4.5%

DESIGN SPEED: 60 MPH
POSTED SPEED: 55 MPH

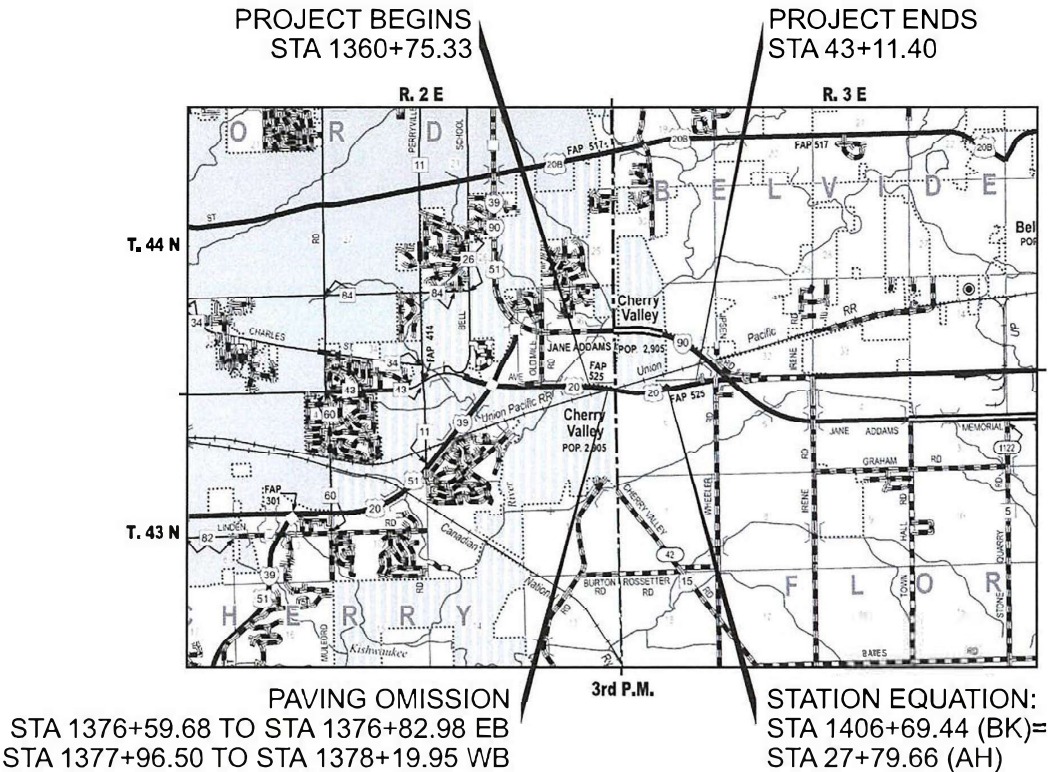
CHERRY VALLEY TOWNSHIP, SECTION: 1
FLORA TOWNSHIP, SECTION: 6



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: MIKE KUEHN
PROJECT MANAGER: ANDREW DEWEY (815) 284-5358
EMAIL: ANDREW.P.DEWEY@ILLINOIS.GOV
CONTRACT NO. 64R15



GROSS LENGTH = 6,125.85 FT. = 1.160 MILE
NET LENGTH = 6,102.55 FT. = 1.156 MILE

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Signature: *Zachary D. Leach* Date: 10-14-24
Printed or Typed Name: Zachary D. Leach License Number: 062-065588
My license renewal date is November 30, 2025



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED: Oct 16, 2024
Judea Shum REGIONAL ENGINEER
May 9, 2025
S. E. Leach ENGINEER OF DESIGN AND ENVIRONMENT
May 9, 2025
J. Leach DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

INDEX OF SHEETS

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HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
442001-04	CLASS A PATCHES
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL TYPE 2
635001-02	DELINEATORS
642001-03	SHOULDER RUMBLE STRIPS 16"
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS - DAY ONLY
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701422-10	LANE CLOSURE MULTILANE 45-55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-10	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
701400-12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-13	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY

MODEL: Index - Standards
FILE NAME: I:\035102\2149 2201.D0 P18 2015-027 02 Various Phase I I\Work Order 8\Drawings\CAD Sheets\035102\2149 2201-01t-gen-note.dgn

 Prairie Engineers, P.C. 404 N. Main Street Columbia, IL 62236 (217) 605-6403 www.prairieengineers.com Professional design firm no. 164-005965 © Copyright Prairie Engineers of Illinois, P.C. 2024	USER NAME = bbrennan		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS & HIGHWAY STANDARDS				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 10/14/2024		DATE - 10-14-2024	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

*WINNEBAGO & BOONE

REV. 5/15/25

GENERAL NOTES

THE CONTRACTOR SHALL NOTIFY TRAFFIC OPERATIONS A MINIMUM OF 5 WORKING DAYS PRIOR TO PLACING PERMANENT PAVEMENT MARKING OR SIGNING.

THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 4 OR 2A SHALL BE USED, EXCEPT IN FRONT OF PROPERTIES WHERE THE GRASS WILL BE MOWED, THEN USE SEEDING, CLASS 1A. CLASS 2A SHALL BE USED ON FRONT SLOPES AND DITCH BOTTOMS. CLASS 4 SHALL BE USED BEHIND TYPE A GUTTER, ON ALL BACKSLOPES AND AREAS BEHIND THE BACKSLOPE, AND BEYOND THE TOE OF FRONT SLOPE ON FILL SECTIONS WITHOUT DITCHES. THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR FURNISHED EXCAVATION.

FERTILIZER NUTRIENTS SHALL BE APPLIED AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

MULCH METHOD II SHALL BE APPLIED OVER ALL SEEDED AREAS. THIS SHALL BE INCLUDED IN THE COST OF THE FURNISHED EXCAVATION.

WHEN LAYING OUT FOR PATCHING, THE MINIMUM DISTANCE BETWEEN NEW PATCHES (SAW CUT TO SAW CUT) SHALL BE 15 FEET. WHEN PATCH SPACING IS LESS THAN 15 FEET, THE PAVEMENT BETWEEN PATCHES SHALL ALSO BE REMOVED AND REPLACED.

THE EXISTING HOT-MIX ASPHALT ON PRIVATE AND COMMERCIAL ENTRANCES SHALL BE BLADED OFF OR MILLED AND DISPOSED OF OUTSIDE THE PROJECT LIMITS. THIS COULD BE THE ENTIRE ENTRANCE OR TAPERED AT THE END DEPENDING ON IF THE MAINLINE IS RESURFACED OR MILLED AND RESURFACED. THE COST OF THE BLADING, MILLING, ROLLING, AND DISPOSAL IS INCLUDED IN THE CONTRACT UNIT PRICE FOR INCIDENTAL HOT-MIX ASPHALT SURFACING.

THE DROP OFF THAT OCCURS AT ENTRANCE EDGES AS A RESULT OF RESURFACING OF THE ENTRANCE SHALL BE CORRECTED USING AGGREGATE SHOULDER MATERIAL. THIS WORK SHALL BE PAID FOR BY THE TON FOR AGGREGATE SHOULDERS OF THE TYPE SPECIFIED IN THE PLANS.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION & MIXTURE USE(S)	MAINLINE	SHOULDER	FRONTAGE ROAD	
	SURFACE	SURFACE	SURFACE	BINDER
PG:	SBS PG 70-28	PG 58-28	PG 58-28	PG 58-28
DESIGN AIR VOIDS	4.0% @ N70	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION	IL 9.5	IL 9.5	IL 9.5	IL 9.5 FG
FRICTION AGGREGATE	D	C	D	N/A
MIX WEIGHT	112 LB/SY/IN	112 LB/SY/IN	112 LB/SY/IN	N/A
QUALITY MANAGEMENT PROGRAM	QCP	QCQA	QCQA	QCQA
SUBLOT SIZE	1000	N/A	N/A	N/A
MATERIAL TRANSFER DEVICE	YES	N/A	N/A	N/A

POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) - APPLICATION RATES*	
SURFACE TYPE	RESIDUAL RATE
MILLED (HMA OR PCC)	0.05 LB/SQFT
EXISTING PAVEMENT	0.05 LB/SQFT
FOG COAT (BETWEEN LIFTS)	0.05 LB/SQFT

*POLYMER TACK COAT SHALL BE SS-1hP,
CSS-1hP OR NTEA LISTED MATERIAL

THE CONTRACTOR WILL BE REQUIRED TO FURNISH 5 1/2" HIGH BRASS STENCILS AS APPROVED BY THE ENGINEER AND INSTALL STATIONING AT 250' INTERVALS. STATIONING SHALL BE PLACED ON BOTH LANES OF 2 LANE HIGHWAYS AND ON THE OUTSIDE LANES IN BOTH DIRECTIONS ON 4-LANE HIGHWAYS. THE STATIONS SHALL BE PLACED 6" INSIDE THE PAVEMENT MARKING EDGE SO THEY CAN BE READ FROM THE SHOULDER. THIS WORK WILL BE INCLUDED IN THE COST OF THE FINAL PAVEMENT SURFACE.

THE AREA TO BE TACKED OR PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAY'S PRODUCTION, BUT NO MORE THAN FIVE DAYS IN ADVANCE OF THE PLACEMENT OF THE HMA, UNLESS APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL SUPPLY THE RESIDENT ENGINEER WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS FOR THE TYPE OF STEEL PLATE BEAM GUARDRAIL TERMINAL TYPE 1 SPECIAL (TANGENT) OR STEEL PLATE BEAM GUARDRAIL TERMINAL TYPE I SPECIAL (FLARED).

DELINEATORS SHALL BE INSTALLED AS SHOWN IN STANDARD 635001, EXCEPT THAT THE POST SHALL BE ROTATED 180° AND ONLY METAL-BACKED DELINEATORS SHALL BE PERMITTED. DELINEATORS SHALL BE PLACED AT THE ENDS OF APPROACH GUARDRAIL TERMINAL SECTIONS, AND AT EACH HEADWALL OR END SECTION OF AR CULVERTS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR DELINEATORS.

PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:

1. ALL WORDS, SUCH AS ONLY, SHALL BE 8 FEET HIGH.
2. ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
3. THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8 INCHES, NOT 7 INCHES, AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.
4. CENTERLINE SKIP DASH PAVEMENT MARKING ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED, AND ONE-WAY ROADWAY SHALL BE ACCORDING TO DISTRICT STANDARD 41.1.

THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

NICOR GAS CO.	(630) 388-3019
FOUR RIVERS SANITATION AUTHORITY	(815) 387-7656
AT&T CABLE OF IOWA	(319) 556-6595
COMCAST CABLE	(815) 509-8653
MEDIACOM	(815) 716-0582
VILLAGE OF CHERRY VALLEY	(815) 332-3441
ALDRIDGE ELECTRIC	(847) 508-8755
FRONTIER (NORTH)	(309) 853-6297
COMMONWEALTH EDISON COMPANY	(779) 231-1027
WINDSTREAM (NON-MEMBER)	(815) 715-2287

IDOT IS NOT A MEMBER OF JULIE. IF YOU ARE NEAR ANY OVERHEAD LIGHTING, INTERSECTION LIGHTING OR TRAFFIC SIGNALS, CONTACT THE IDOT TRAFFIC OFFICE AT (815) 284-5469 AT LEAST 48 HOURS PRIOR TO WORK.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE MUNICIPALITY TO DETERMINE APPROVED METHODS OF UTILITY STRUCTURE ADJUSTMENT. UTILITY STRUCTURES MAY INCLUDE, BUT ARE NOT LIMITED TO, MANHOLES, WATER VALVES, HANDHOLES, ETC. ALL MATERIALS AND WORK NECESSARY TO COMPLETE ADJUSTMENTS PER MUNICIPALITY REQUIREMENTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ASSOCIATED ADJUSTMENT PAY ITEM.

THE CONTRACTOR SHALL FILL POTHOLES AND UTILIZE CRACK SEALING ON ANY SIGNIFICANT CRACKS ALONG THE STATE JURISDICTION FRONTAGE ROAD (SJFR) AS DIRECTED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL ALSO CLEAN THE SJFR OF ALL WEEDS AND DEBRIS MATERIAL ALONG THE ROADWAY AND CURB AND GUTTER PRIOR TO ANY APPLICATION OF BITUMINOUS MATERIALS TACK COAT TO ENSURE PROPER ASPHALT BONDING. THE WORK EXPLAINED HEREIN WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCULDED IN THE COST OF 40604060 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50."

THE EXCAVATED MATERIALS FROM EXCAVATING AND GRADING SHOULDERS SHALL BE USED TO BUILD UP THE SHOULDER THROUGHOUT THE JOB TO CONFORM WITH THE TYPICAL SECTIONS AND SHOULDER WIDENING FOR TERMINALS AS SHOWN ON THE PLANS.

COMMITMENTS

1. TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT CAN BE CLEARED FROM OCTOBER 1 THROUGH MARCH 31. THE US FISH AND WILDLIFE SERVICE CONCURRED WITH OUR DETERMINATION AND DATE RESTRICTION ON TREE CLEARING.
2. ALL TREE IMPACTS WILL BE MITIGATED UNDER INTER GOVERNMENTAL AGREEMENT NO. 21-IDNR-TREES-D2 WITH IDNR, THEREFORE NO TREE REPLACEMENT IS INCLUDED WITH THIS PROJECT. THIS AGREEMENT COVERS ALL PROJECTS FUNDED FROM FY 2022 THROUGH FY 2025.

MODEL: S002
FILE NAME: I:\projects\2023\149 2201.D0 P18 2023-027 02 Various Phase I JNWork Order 8\Drawings\CAD Sheets\0344815-ent-S00.dgn

				CONSTRUCTION CODE	
				NHPP	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE WINNEBAGO COUNTY	100% STATE BOONE COUNTY
				ROADWAY	ROADWAY
				0005	0005
				URBAN	URBAN
40604162	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	3739	985	2754
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	63	0	63
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	59927	16509	43418
44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SQ YD	1915	368	1547
44200620	CLASS A PATCHES, TYPE II, 14 INCH	SQ YD	307	195	112
44200624	CLASS A PATCHES, TYPE III, 14 INCH	SQ YD	150	50	100
44200628	CLASS A PATCHES, TYPE IV, 14 INCH	SQ YD	1608	173	1435
44213000	PATCHING REINFORCEMENT	SQ YD	2065	418	1647
44213200	SAW CUTS	FOOT	5693	1915	3778
44213204	TIE BARS 3/4"	EACH	572	43	529
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	567	125	442
60260100	INLETS TO BE ADJUSTED	EACH	2	0	2
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1050	425	625
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3	2	1

* DENOTES SPECIALTY ITEM
** SEE COVER SHEET AND TYPICAL SECTIONS FOR OMISSIONS AND ADDITIONAL STATION INFORMATION

Prairie Engineers, P.C. Prairie Engineers 404 N. Main Street Columbia, IL 62236 (217) 605-0403 www.prairieengineers.com professional design firm no. 164-005965 © Copyright Prairie Engineers of Illinois, P.C. 2024	USER NAME = bbrennan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES					F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE - 10-14-2024	REVISED -							ILLINOIS FED. AID PROJECT				
	SCALE: NONE SHEET 2 OF 5 SHEETS STA. TO STA.													

MODEL: S004
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				100% STATE	100% STATE
				WINNEBAGO COUNTY	BOONE COUNTY
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	ROADWAY
				0005	0005
				URBAN	URBAN
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	592	162	430
72000100	SIGN PANEL - TYPE 1	SQ FT	200	42	158
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	139	23	116
72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	77	30	47
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	32	0	32
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	2	1
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	126	28	98
73000100	WOOD SIGN SUPPORT	FOOT	288	65	223
78004630	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 6"	FOOT	3055	878	2177
78004640	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 8"	FOOT	1213	0	1213
78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	432	122	310
78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	23014	6722	16292
78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	253	0	253
78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	194	72	122

* DENOTES SPECIALTY ITEM
** SEE COVER SHEET AND TYPICAL SECTIONS FOR
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		DATE - 10-14-2024	REVISED -					ILLINOIS FED. AID PROJECT				

*WINNEBAGO & BOONE

REV. 4/4/25

MODEL: S005
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* DENOTES SPECIALTY ITEM
** SEE COVER SHEET AND TYPICAL SECTIONS FOR
OMISSIONS AND ADDITIONAL STATION INFORMATION

Prairie Engineers, P.C.
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ENGINEERS SURVEYORS SCIENTISTS
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USER NAME	= bbrennan
PLOT SCALE	= 0.16666633 ' / in.
PLOT DATE	= 10/14/2024

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	- 10-14-2024

REVISED	-
REVISED	-
REVISED	-
REVISED	-

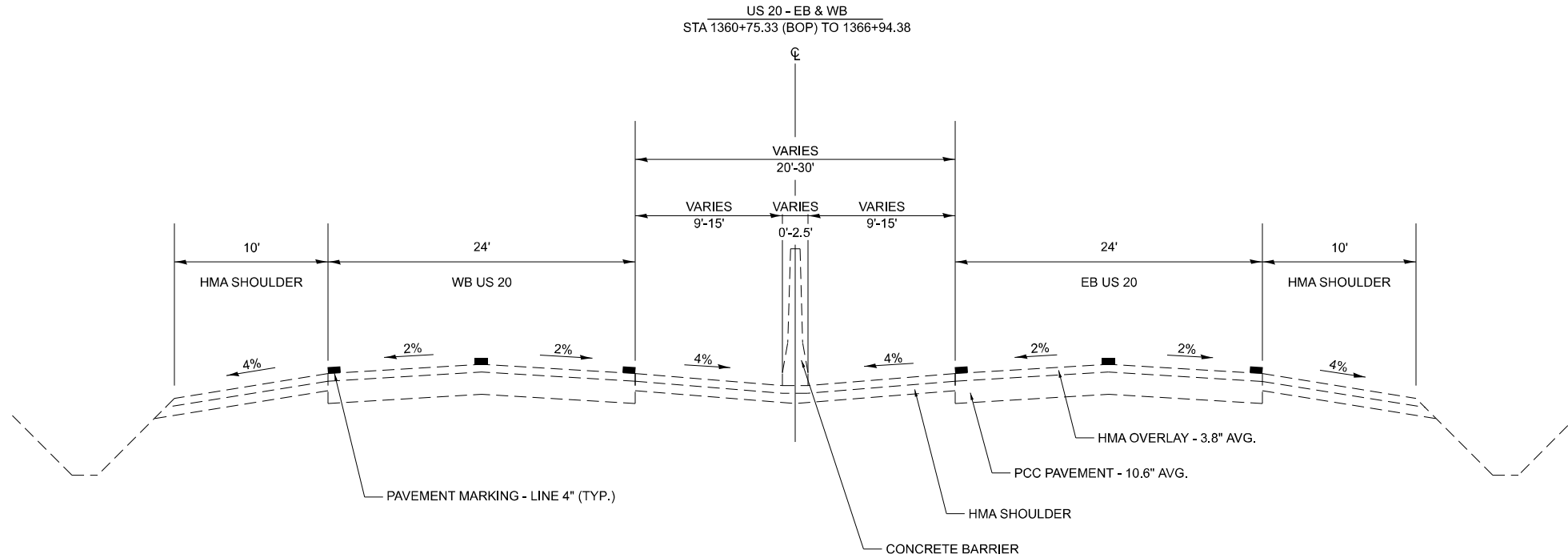
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES				
SCALE: NONE	SHEET 5	OF 5	SHEETS	STA. TO STA.

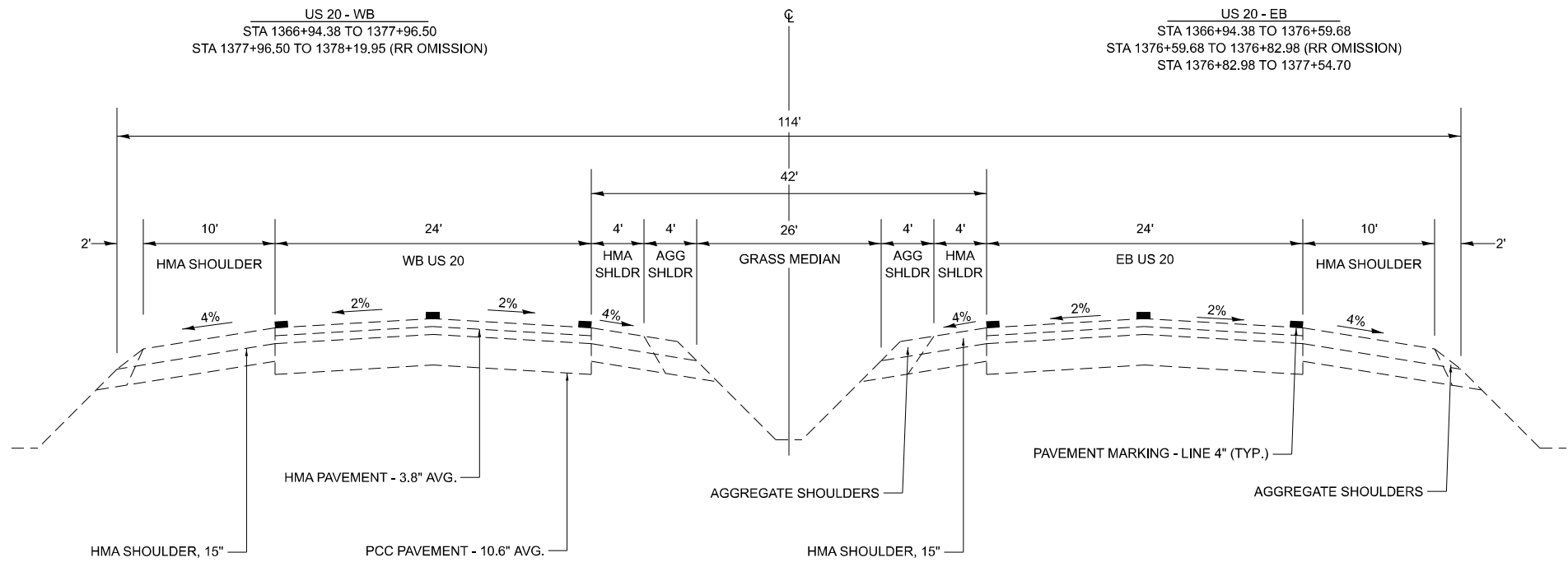
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(6.15.14)R-RS-2	*	50	8
CONTRACT NO. 64R15				
		ILLINOIS	FED. AID PROJECT	

				CONSTRUCTION CODE	
				NHPP	
				100% STATE WINNEBAGO COUNTY	100% STATE BOONE COUNTY
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005 URBAN	ROADWAY 0005 URBAN
* 78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	474	136	338
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	23014	6722	16292
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	3055	878	2177
* 78011045	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	1213	0	1213
* 78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	253	0	253
* 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	194	72	122
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	189	44	145
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	170	39	131
X4401196	HOT-MIX ASPHALT SURFACE REMOVAL- LONGITUDINAL JOINT	SQ YD	1328	378	950
* X7820007	GUARDRAIL REFLECTORS, TYPE C (SPECIAL)	EACH	17	8	9
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	0.5	0.5
X2100104	GEOTECHNICAL REINFORCEMENT	SQ YD	207	42	165

① EXISTING TYPICAL SECTION US 20



② EXISTING TYPICAL SECTION US 20

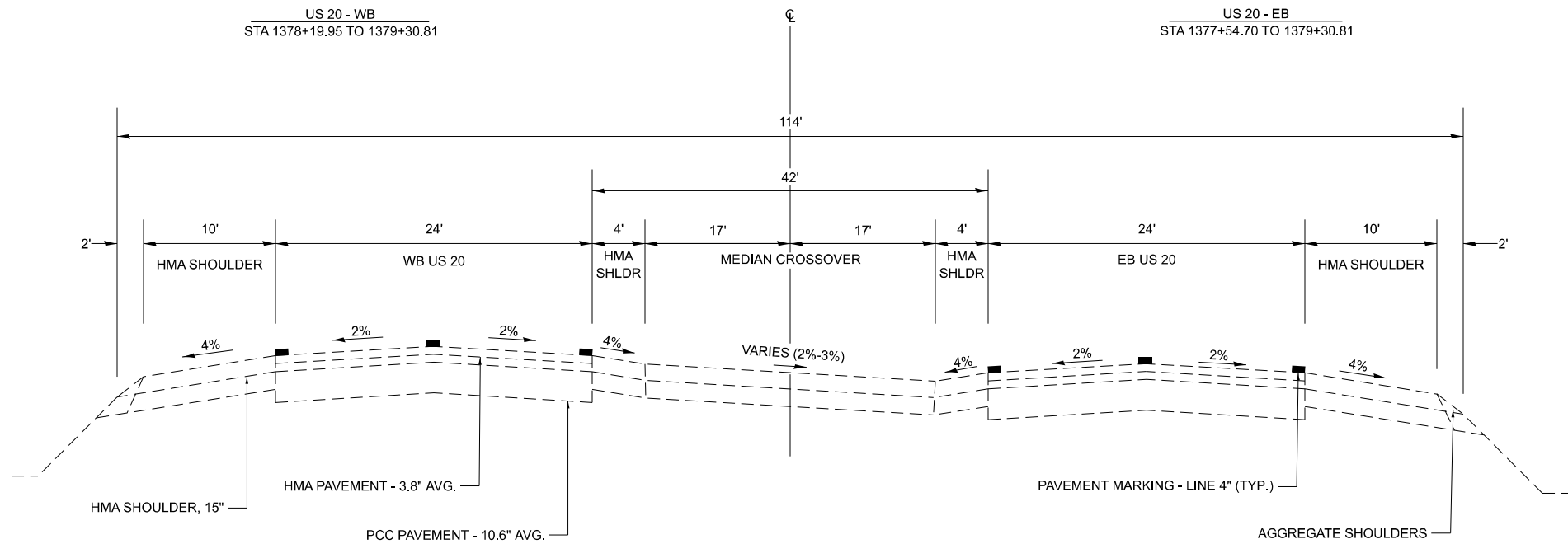


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FILE NAME: I:\2023\20231149_2201.00 PTB 203-027 D2 Various Phase 1\JWork Order 8\Drawings\CAD Sheets\0264815-jtc\typical.dgn

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	DRAWN -		CHECKED -	REVISED -					525	(6.15.14)R-RS-2	*	50	9
	PLOT SCALE = 59.99988000" / in.		DATE - 10-14-2024	REVISED -		SCALE: SHEET 1 OF 12 SHEETS STA. TO STA.			CONTRACT NO. 64R15				
	PLOT DATE = 10/14/2024								ILLINOIS FED. AID PROJECT				

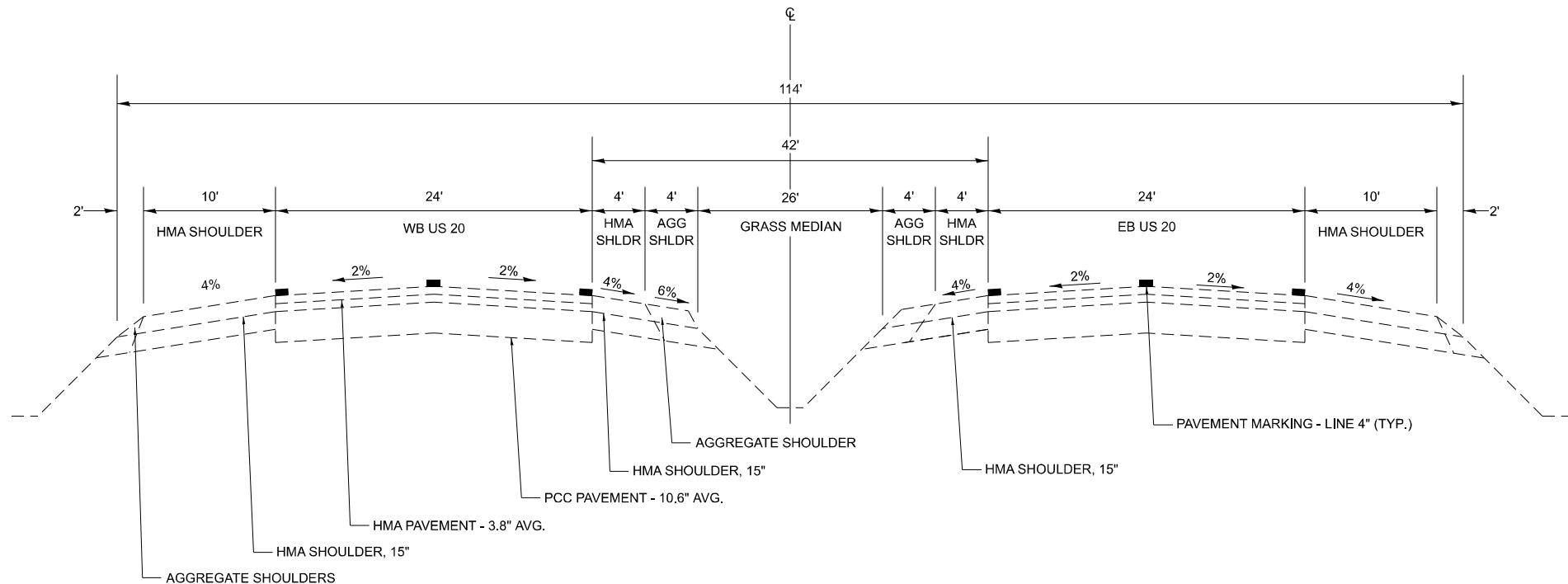
*WINNEBAGO & BOONE

③ EXISTING TYPICAL SECTION US 20



④ EXISTING TYPICAL SECTION US 20

US 20 - EB & WB
STA 1379+30.81 TO 1383+19.38
STA 1392+10.54 TO 1401+18.82
STATION EQUATION 1406+69.44 (BK) = 27+79.66 (AH)
STA 34+79.19 TO 41+72.08

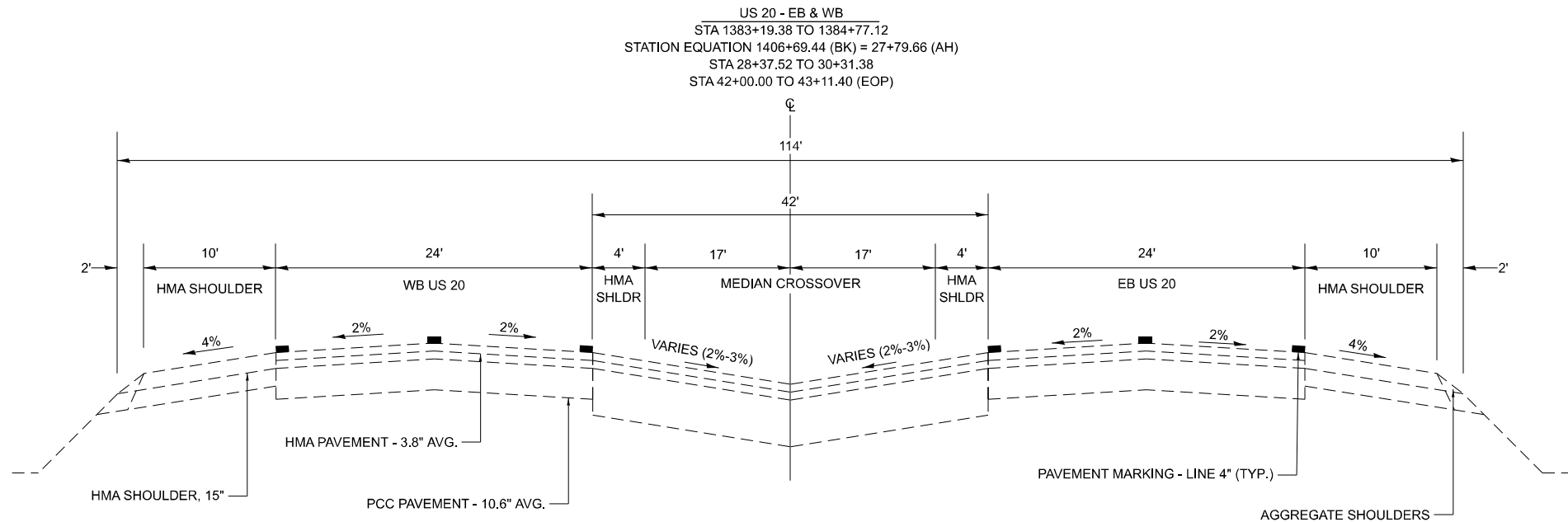


MODEL: Typical Section 2
FILE NAME: I:\032021\149-2201.00 PFB 20-027 D2 Various Phase 1\JWork Order 8\Drawings\CAD Sheets\0264815-typical.dgn

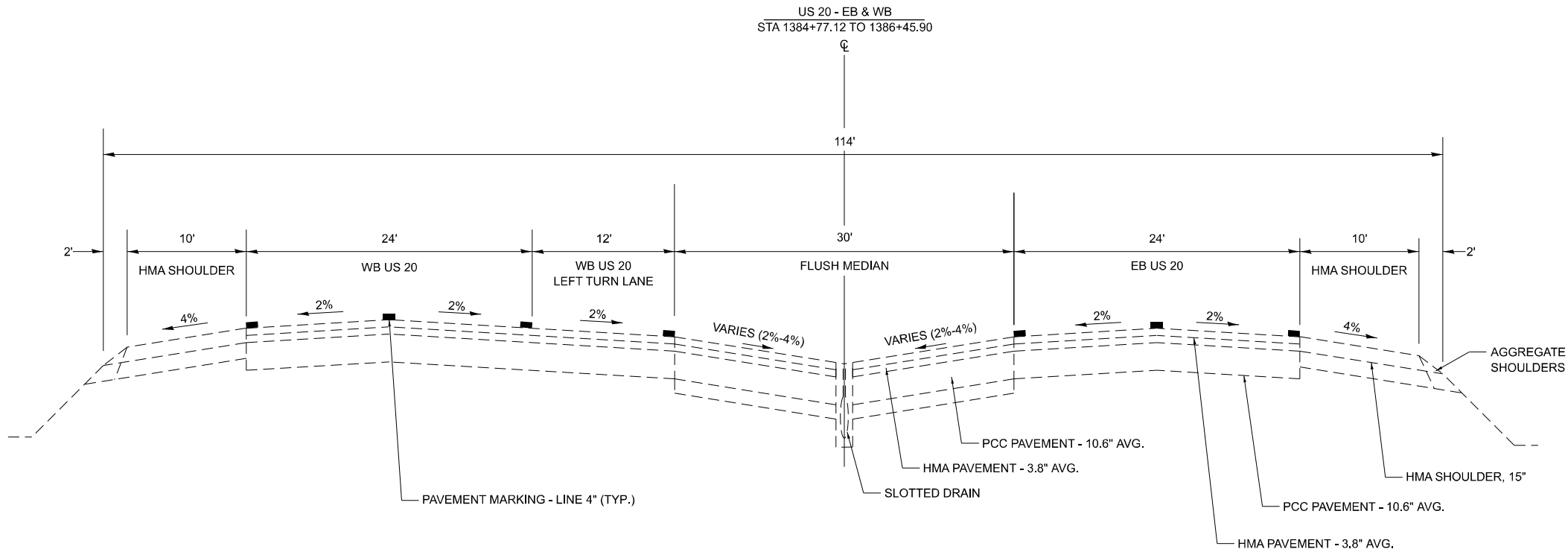
Prairie Engineers, P.C. 404 N. Main Street Columbia, IL 62236 (217) 605-0403 www.prairieengineers.com professional design firm no. 1544005965 Copyright Prairie Engineers of Illinois, P.C. 2024	USER NAME = bbrennan		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS US 20			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -		CHECKED -	REVISED -					525	(6.15.14)R-RS-2	*	50	10
	PLOT SCALE = 59.99988000" / in.		DATE - 10-14-2024	REVISED -		SCALE: SHEET 2 OF 12 SHEETS STA. TO STA.			CONTRACT NO. 64R15				
	PLOT DATE = 10/14/2024								ILLINOIS FED. AID PROJECT				

*WINNEBAGO & BOONE

⑤ EXISTING TYPICAL SECTION US 20



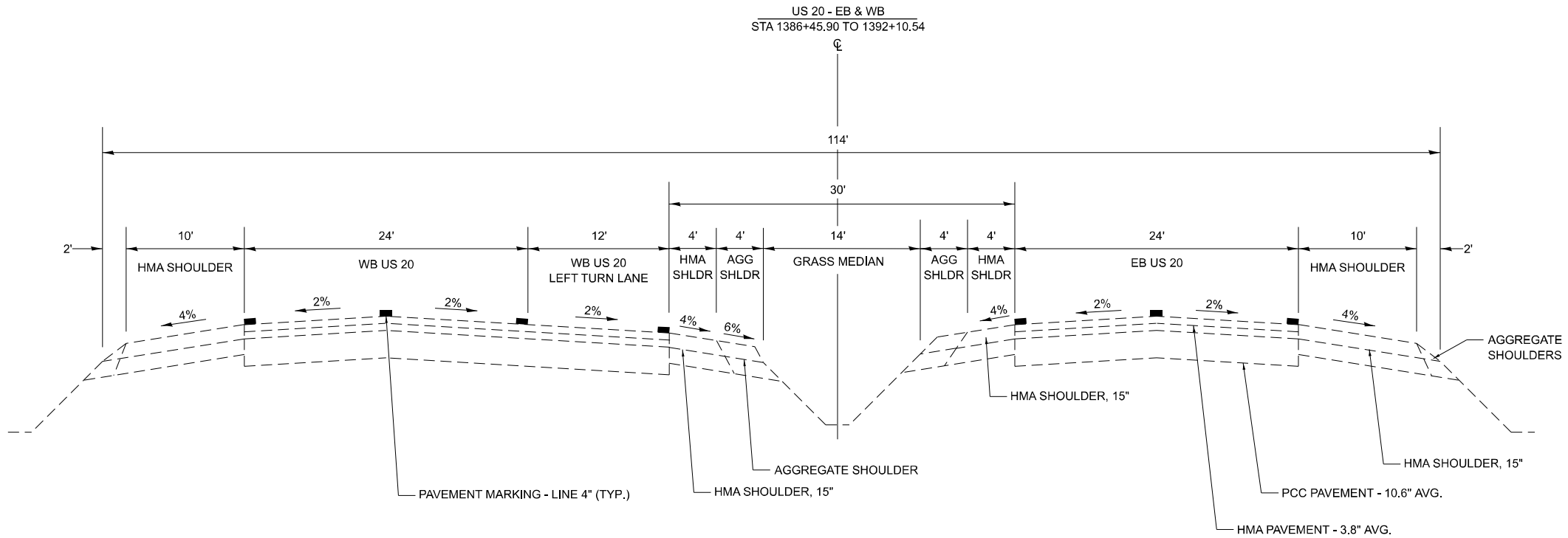
⑥ EXISTING TYPICAL SECTION US 20



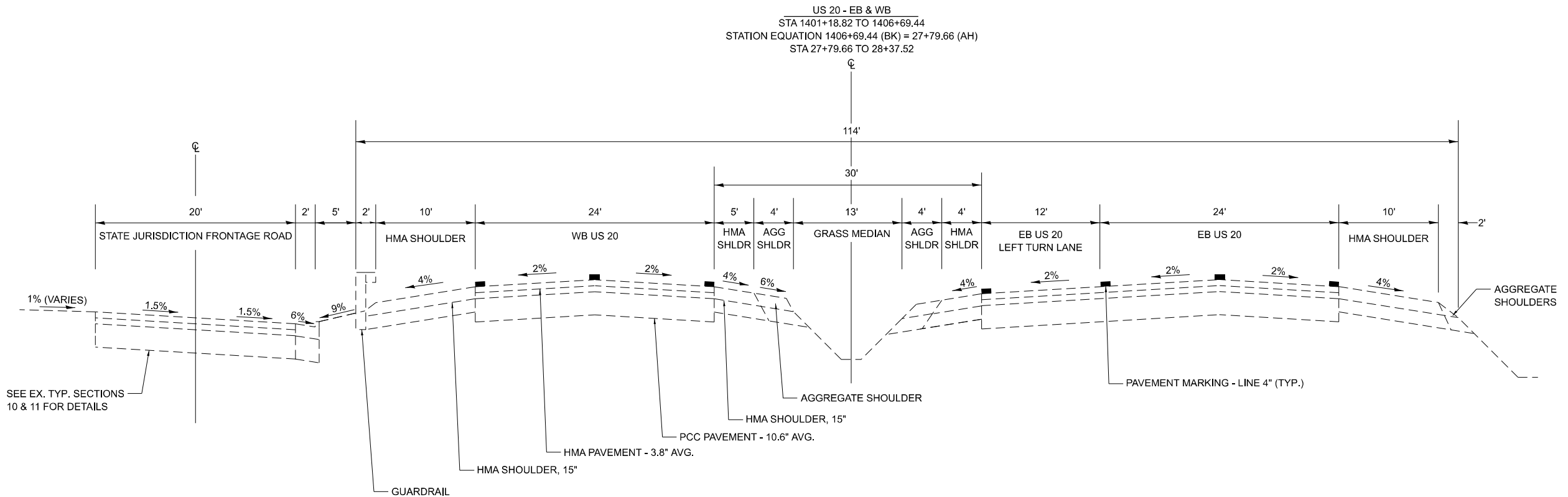
MODEL: Typical Section 3
FILE NAME: I:\2023\20231149_2201.00 RTB 203-027 D2 Various Phase 1\Work Order 8\Drawings\CAD Sheets\0264815-typical.dgn

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	DRAWN -		CHECKED -	REVISED -					525	(6,15,14)R-RS-2	*	50	11
	PLOT SCALE = 59.99988000" / in.		DATE - 10-14-2024	REVISED -		SCALE:	SHEET 3	OF 12 SHEETS	STA.	TO STA.	CONTRACT NO. 64R15		
	PLOT DATE = 10/14/2024										ILLINOIS	FED. AID PROJECT	*WINNEBAGO & BOONE

7 EXISTING TYPICAL SECTION US 20



8 EXISTING TYPICAL SECTION US 20

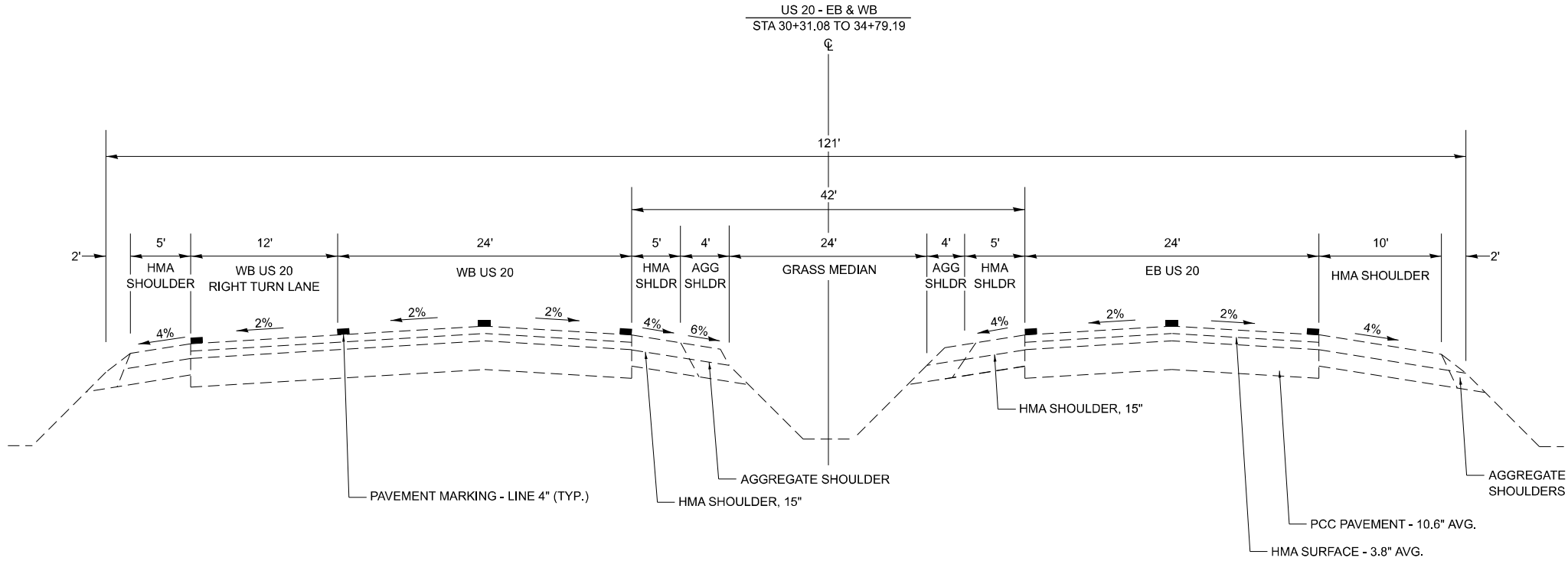


MODEL: Typical Section 4
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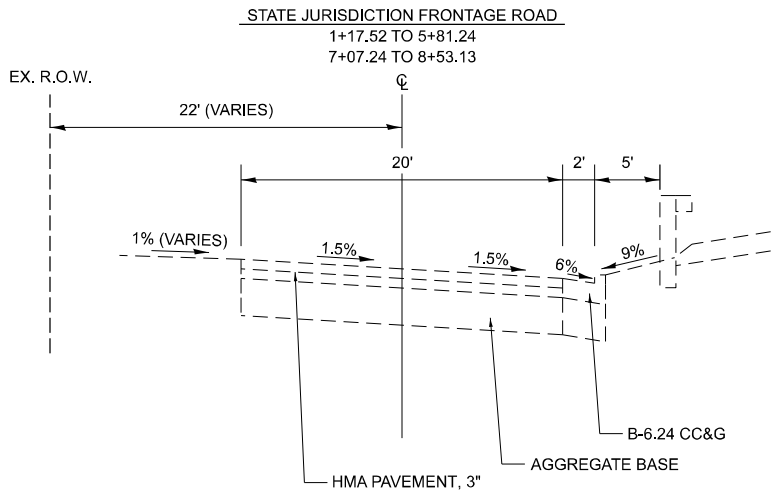
Prairie Engineers, P.C. 404 N. Main Street Columbia, IL 62236 (217) 605-0403 www.prairieengineers.com professional design firm no. 154-005955 ENGINEERS SURVEYORS SCIENTISTS © Copyright Prairie Engineers of Illinois, P.C. 2024	USER NAME = bbrennan		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS US 20			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -		CHECKED -	REVISED -					525	(6,15,14)R-RS-2	*	50	12
	PLOT SCALE = 59.999880000 "/in.		DATE - 10-14-2024	REVISED -		SCALE: SHEET 4 OF 12 SHEETS STA. TO STA.			CONTRACT NO. 64R15				
	PLOT DATE = 10/14/2024								ILLINOIS FED. AID PROJECT				

*WINNEBAGO & BOONE

9 EXISTING TYPICAL SECTION US 20



10 EXISTING TYPICAL SECTION FRONTAGE ROAD



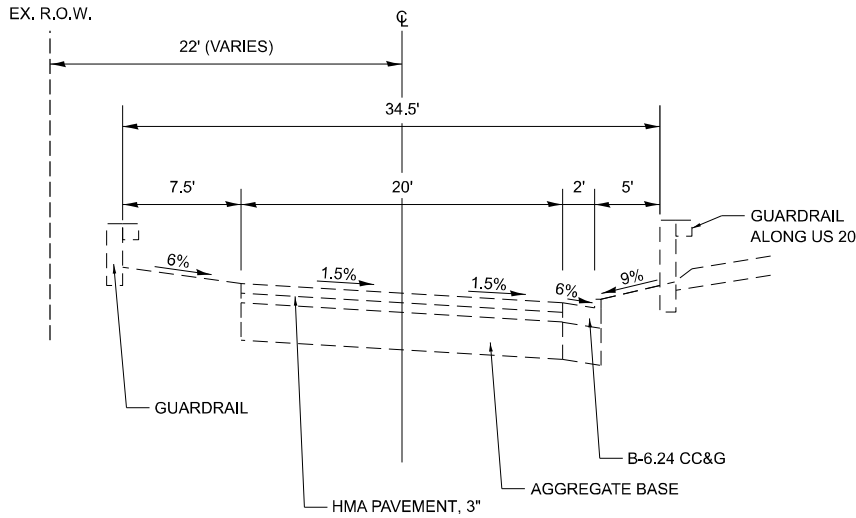
MODEL: Typical Section 5
FILE NAME: I:\2023\20231149_2201.00 RTB 203-027 D2 Various Phase 1\Work Order 8\Drawings\CAD Sheets\0264815-jtc\typical.dgn

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	PLOT SCALE = 59.99988000" / in.	DRAWN -	REVISED -					525	(6.15.14)R-RS-2	*	50	13
	PLOT DATE = 10/14/2024	CHECKED -	REVISED -		CONTRACT NO. 64R15							
	DATE = 10-14-2024	DATE - 10-14-2024	REVISED -		SCALE:	SHEET 5	OF 12 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

*WINNEBAGO & BOONE

11 EXISTING TYPICAL SECTION FRONTAGE ROAD

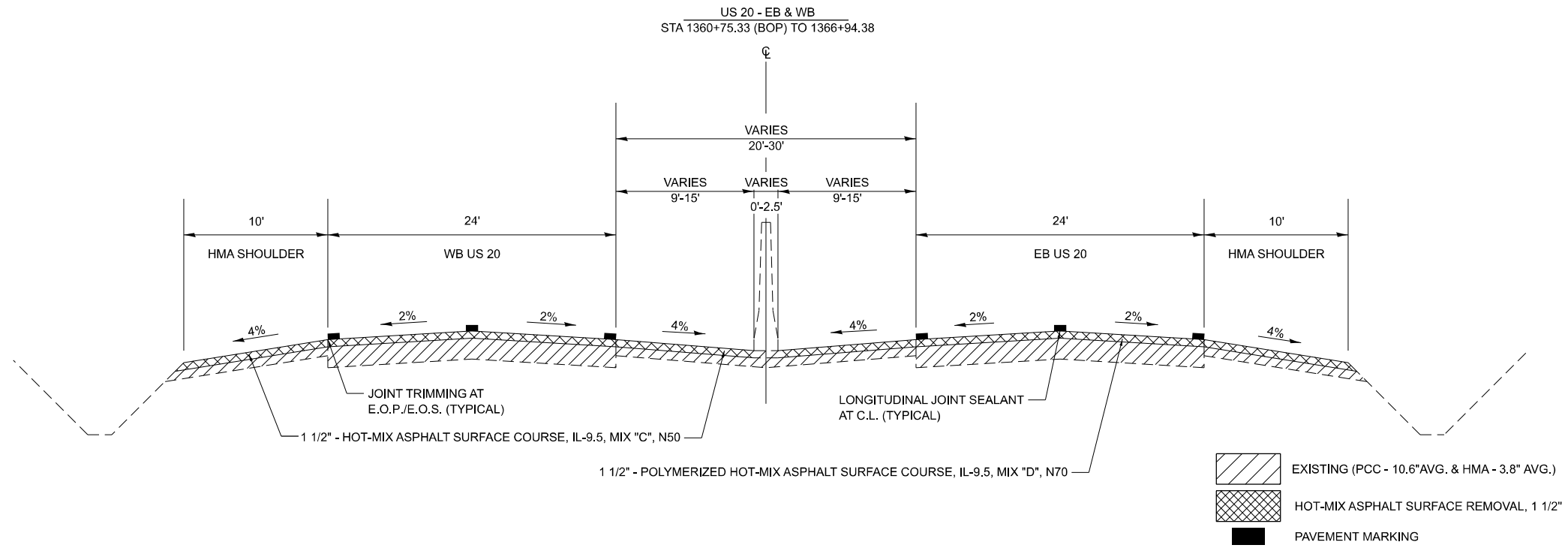
STATE JURISDICTION FRONTAGE ROAD
5+81.24 TO 7+07.24



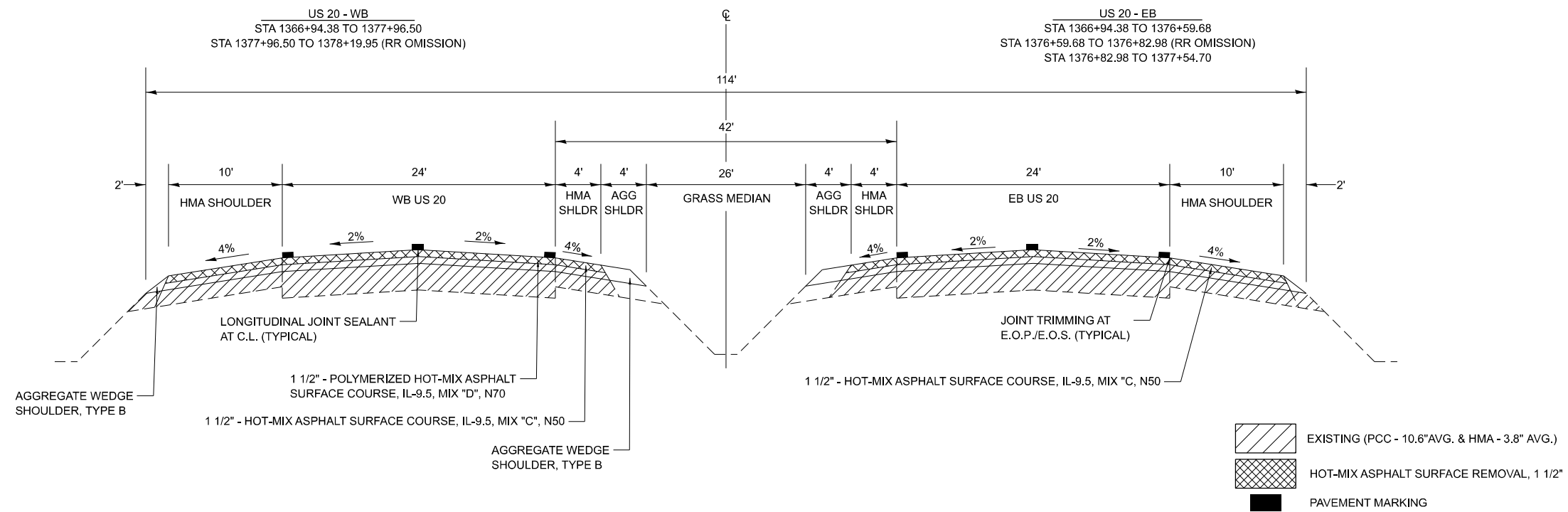
MODEL: Typical Section 15
FILE NAME: I:\303027149-2201.00 PTB 203-027 D2-Various Phase 1\JWork_Order_8\Drawings\CAD_Sheets\0264815-jtc-typical.dgn

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		DRAWN -	REVISED -					525	(6,15,14)R-RS-2	*	50	14
	PLOT SCALE = 59.99988000" / in.	CHECKED -	REVISED -					CONTRACT NO. 64R15				
	PLOT DATE = 10/14/2024	DATE - 10-14-2024	REVISED -		SCALE:	SHEET 6	OF 12 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	*WINNEBAGO & BOONE

1 PROPOSED TYPICAL SECTION US 20

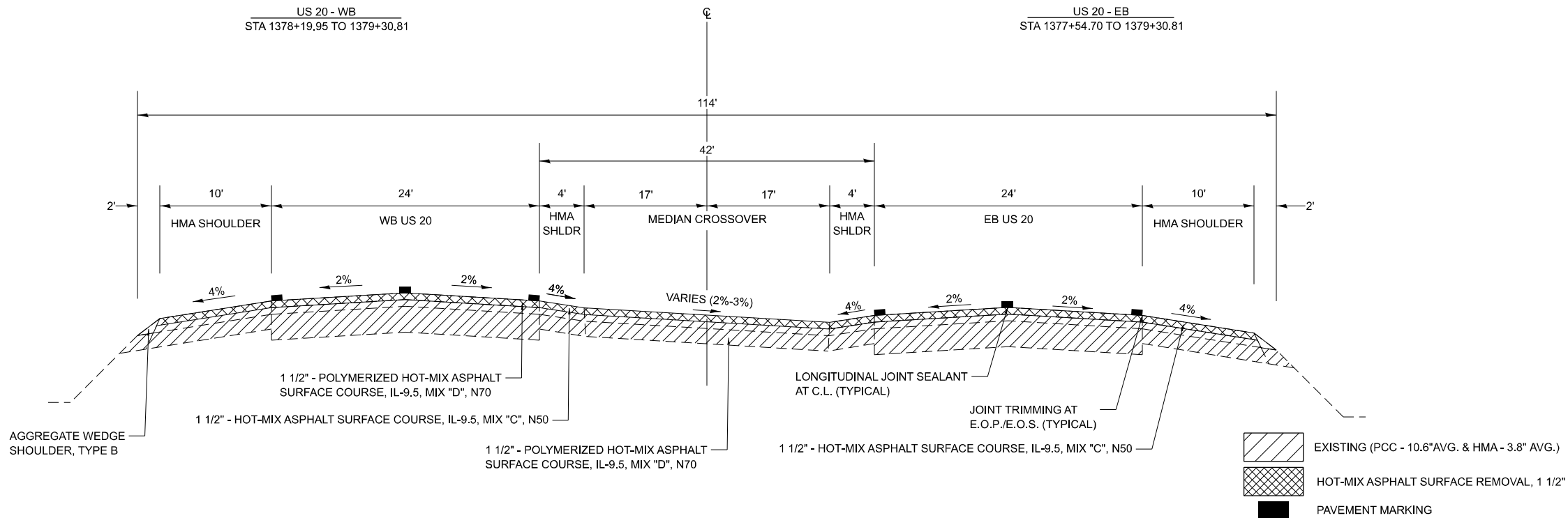


2 PROPOSED TYPICAL SECTION US 20

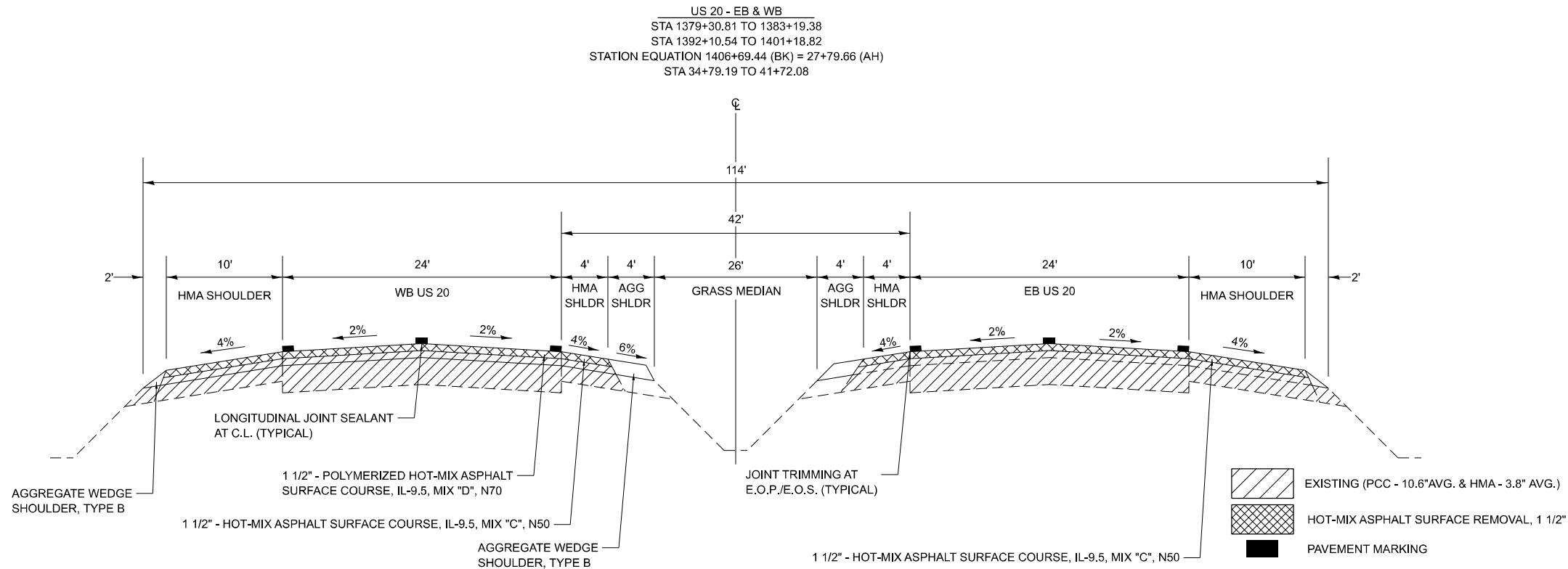


MODEL: Typical Sheet 6
FILE NAME: I:\2023\20231149_2201.00 RTB 2023-07 02 Various Phase 1\JWork Order 8\Drawings\CAD_Sheets\0264815-hc\typical.dgn

③ PROPOSED TYPICAL SECTION US 20



④ PROPOSED TYPICAL SECTION US 20

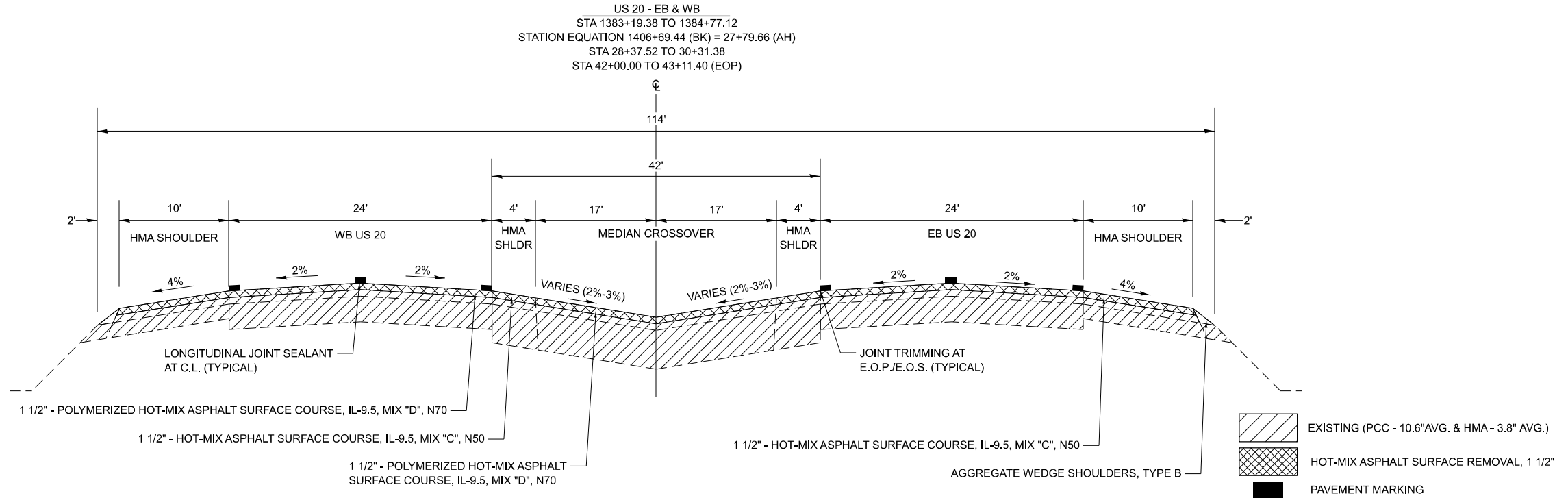


MODEL: Typical Section 7
FILE NAME: I:\303102\21149-2201.00 RTB 20-0-07 D2 Various Phase 1\JWork Order 8\Drawings\CAD Sheets\0364815-jtc\typical.dgn

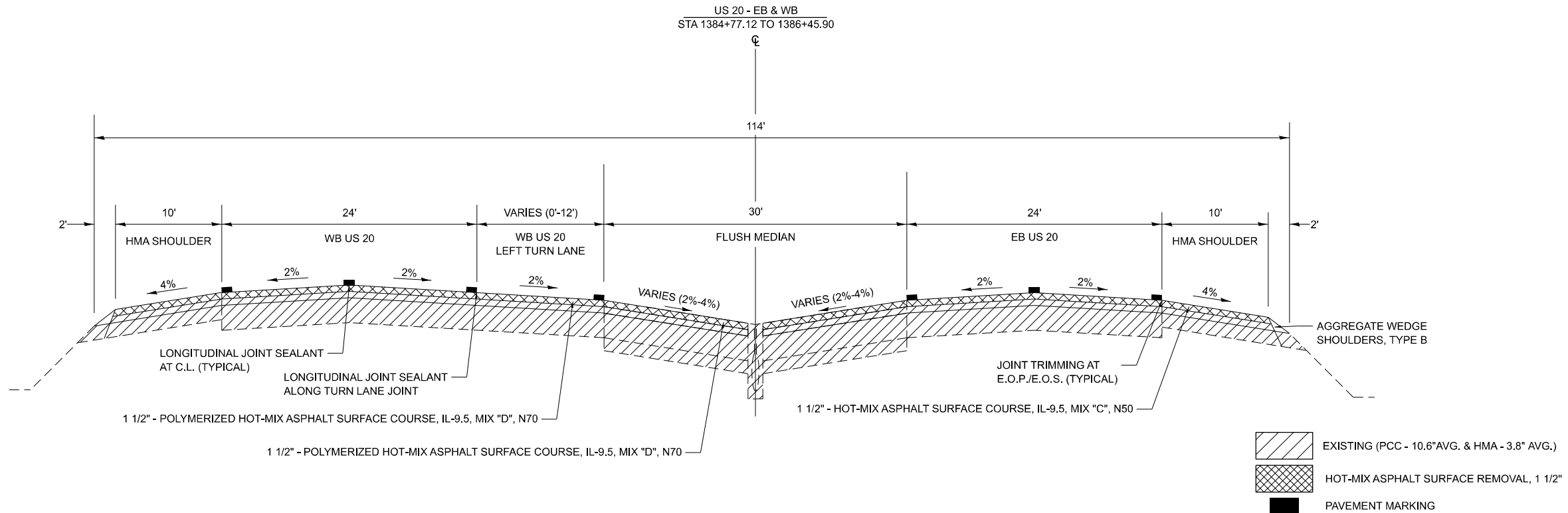
Prairie Engineers, P.C. 404 N. Main Street Columbia, IL 62236 (217) 605-0403 www.prairieengineers.com professional design firm no. 154-005965 ENGINEERS SURVEYORS SCIENTISTS © Copyright Prairie Engineers of Illinois, P.C., 2024	USER NAME = bbrennan		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS US 20			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -		CHECKED -	REVISED -					525	(6,15,14)R-RS-2	*	50	16
	PLOT SCALE = 59.99988000" / in.		DATE - 10-14-2024	REVISED -		SCALE: SHEET 8 OF 12 SHEETS STA. TO STA.			CONTRACT NO. 64R15				
	PLOT DATE = 10/14/2024								ILLINOIS FED. AID PROJECT				

*WINNEBAGO & BOONE

⑤ PROPOSED TYPICAL SECTION US 20



⑥ PROPOSED TYPICAL SECTION US 20

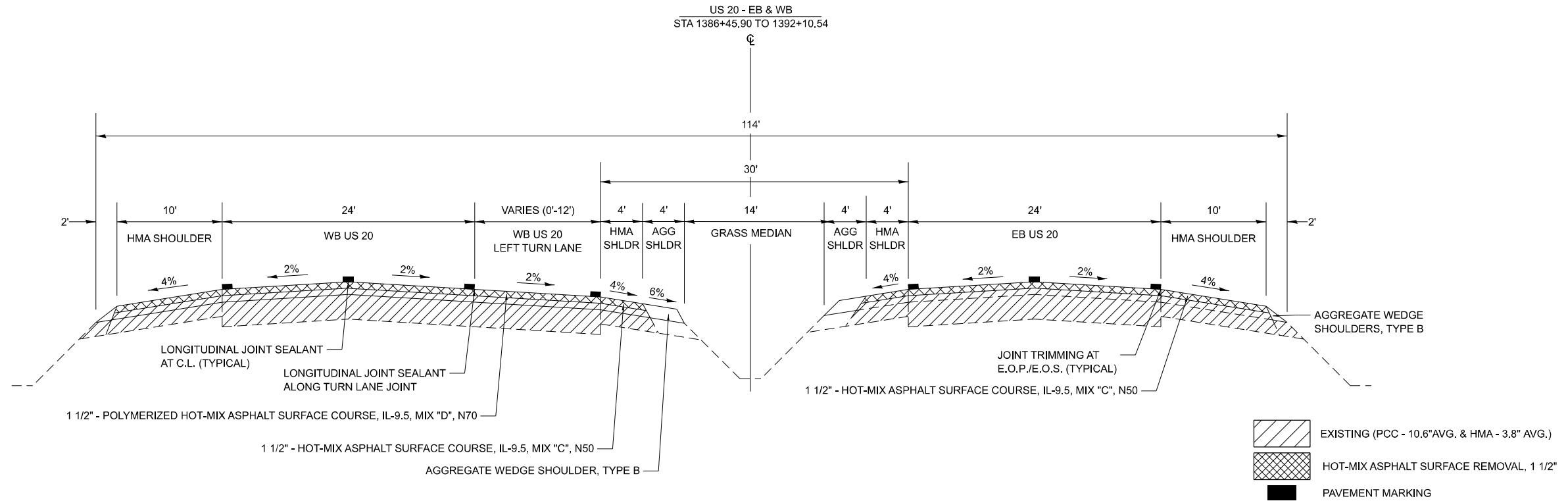


MODEL: Typical Section 5
FILE NAME: I:\2023\20231149-2201.00 RTB 20-5-07 D2 Various Phase 1\JWork Order 8\Drawings\CAD Sheets\0264815-typical.dgn

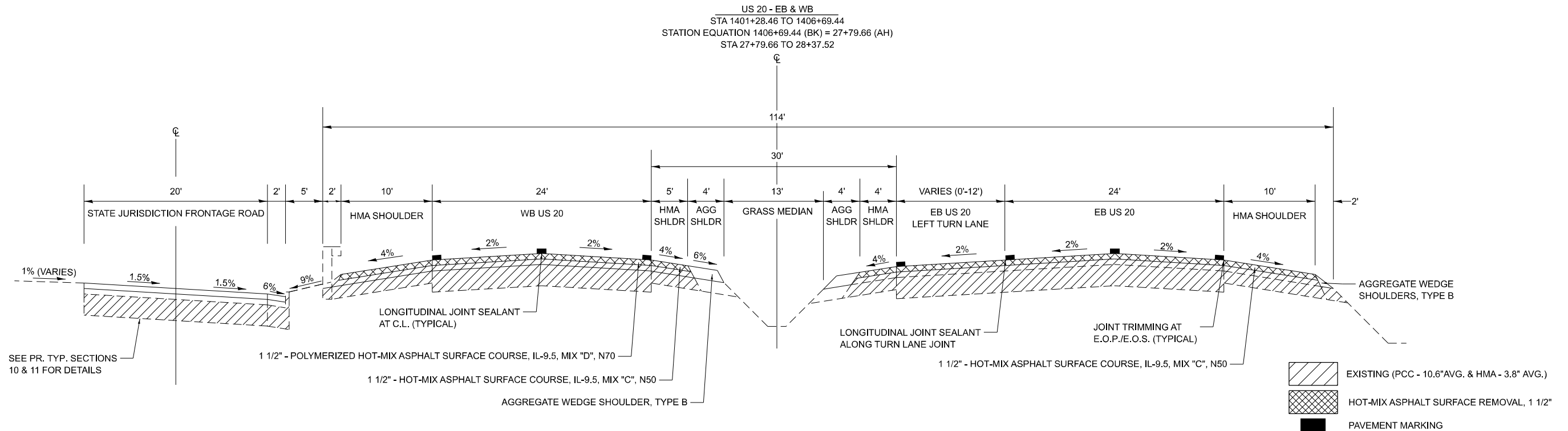
Prairie Engineers, P.C.  Prairie Engineers ENGINEERS SURVEYORS SCIENTISTS 404 N. Main Street Columbia, IL 62236 (217) 605-0403 www.prairieengineers.com professional design firm no. 1544005955 © Copyright Prairie Engineers of Illinois, P.C., 2024	USER NAME = bbrennan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS US 20					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							525	(6,15,14)R-RS-2	*	50	17
	PLOT SCALE = 59.99988000' / in.	CHECKED -	REVISED -		CONTRACT NO. 64R15									
	PLOT DATE = 10/14/2024	DATE - 10-14-2024	REVISED -		ILLINOIS FED. AID PROJECT									
SCALE:		SHEET 9	OF 12 SHEETS		STA.	TO STA.								

*WINNEBAGO & BOONE

7 PROPOSED TYPICAL SECTION US 20



8 PROPOSED TYPICAL SECTION US 20

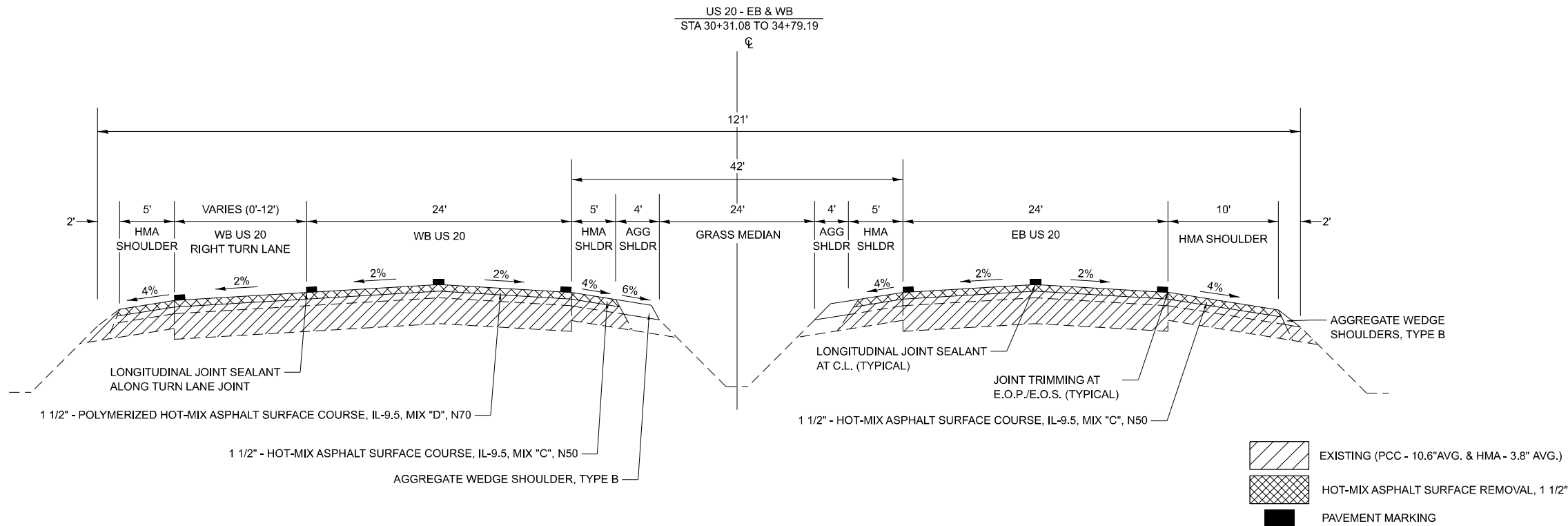


MODEL: Typical Section 9
FILE NAME: I:\2023\20231149_2201.00 RTB 2023-07 02_Various Phase 1\Drawings\CAD_Sheets\02164815-tpc\typical.dgn

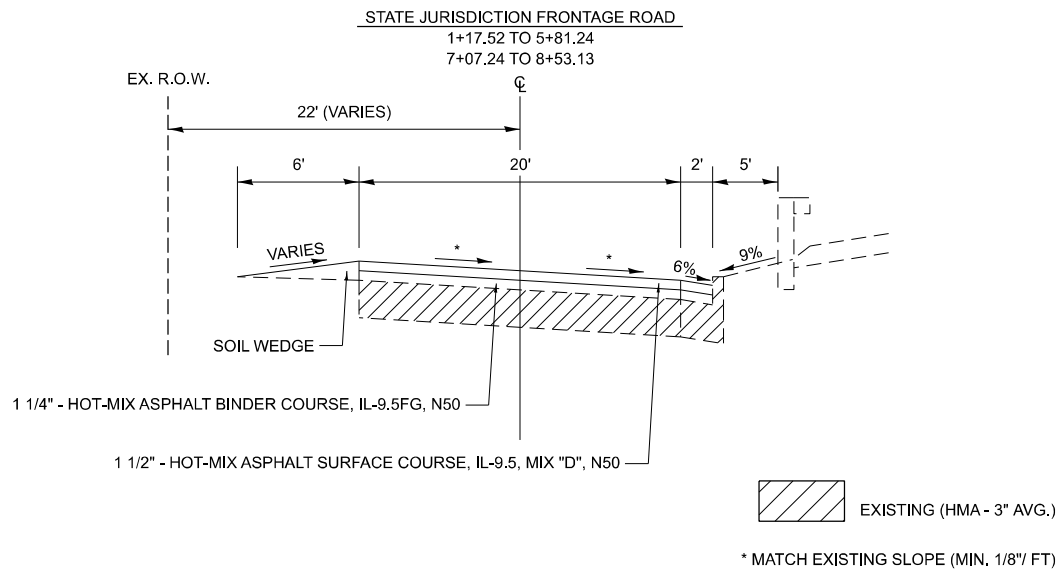
Prairie Engineers, P.C. 404 N. Main Street Columbia, IL 62236 (217) 605-4403 www.prairieengineers.com professional design firm no. 1544005965 © Copyright Prairie Engineers of Illinois, P.C. 2024	USER NAME = bbrennan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS US 20			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 59.99988000" / in.	DRAWN -	REVISED -					525	(6,15,14)R-RS-2	*	50	18
	PLOT DATE = 10/14/2024	CHECKED -	REVISED -		SCALE: SHEET 10 OF 12 SHEETS STA. TO STA.			CONTRACT NO. 64R15				
		DATE = 10-14-2024	REVISED -					ILLINOIS FED. AID PROJECT				

*WINNEBAGO & BOONE

9 PROPOSED TYPICAL SECTION US 20



10 PROPOSED TYPICAL SECTION FRONTAGE ROAD



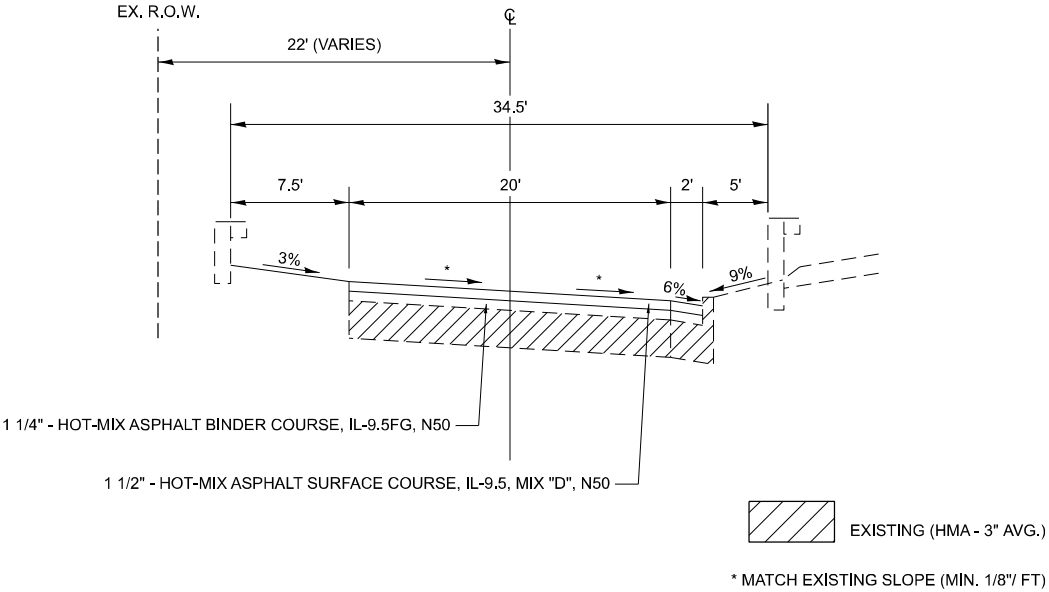
MODEL: Typical Section 10
FILE NAME: 1032021149_2201.00 PTB 20-027 D2_Various Phase 1_10Work Order 8\Drawings\CAD_Streets\0264815-10typical.dgn

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		DRAWN -	REVISED -					525	(6.15.14)R-RS-2	*	50	19
	PLOT SCALE = 59.99988000" / in.	CHECKED -	REVISED -					CONTRACT NO. 64R15				
	PLOT DATE = 10/14/2024	DATE = 10-14-2024	REVISED -		SCALE:	SHEET 11	OF 12 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	

*WINNEBAGO & BOONE

11 PROPOSED TYPICAL SECTION FRONTAGE ROAD

STATE JURISDICTION FRONTAGE ROAD
5+81.24 TO 7+07.24



MODEL: Typical Section 11
FILE NAME: I:\2023\20231149.2201.00 PFB 203-027 D2 Various Phase 1\JWork Order 8\Drawings\CAD Sheets\0264815-typical.dgn

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		DRAWN -	REVISED -					525	(6.15.14)R-RS-2	*	50	20
	PLOT SCALE = 59.99988000" / in.	CHECKED -	REVISED -					CONTRACT NO. 64R15				
	PLOT DATE = 10/14/2024	DATE - 10-14-2024	REVISED -		SCALE:	SHEET 12	OF 12 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	*WINNEBAGO & BOONE

MODEL: Sch-001
FILE NAME: I:\03\2022\149-2201.00 RTB 20-0-07 D2 Various Phase 1\Work Order 8\Drawings\CAD Sheets\02\64R15-HS-schedule.dgn

REMOVAL SCHEDULE									
LOCATION			REMARKS	SIDE	HMA SURFACE REMOVAL - BUTT JOINT 40600982 SQ YD	HMA SURFACE REMOVAL, 1 1/2" 44000155 SQ YD	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL 78300200 EACH	HMA SURFACE REMOVAL - LONGITUDINAL JOINT X4401196 SQ YD	
WINNEBAGO COUNTY									
WESTBOUND									
1360+75.3	TO	1377+96.5	MAINLINE	CL		4699.2	19		
1360+75.3	TO	1377+96.5	SHOULDERS	LT & RT				191.2	
1360+75.3	TO	1377+96.5	SHOULDER	RT		2007.7			
1360+75.3	TO	1377+71.6	SHOULDER	LT & RT		1148.8			
1377+90.9	TO	1378+21.9	SHOULDER	LT		14.6			
1378+20.0	TO	1378+52.9	MAINLINE	CL		175.9	1		
1378+20.0	TO	1378+52.9	SHOULDERS	LT & RT				2.1	
SUBTOTAL:					0.0	8046.1	20	193.4	
EASTBOUND									
1360+75.3	TO	1376+59.7	MAINLINE	CL		4242.1	17		
1360+75.3	TO	1376+59.7	SHOULDERS	LT & RT				166.1	
1360+75.3	TO	1376+94.3	SHOULDER	LT		1169.8			
1360+75.3	TO	1376+35.4	SHOULDER	RT		1715.6			
1376+49.2	TO	1378+09.4	SHOULDER	RT		189.8			
1376+83.0	TO	1378+52.9	MAINLINE	CL		621.9	2		
1376+83.0	TO	1378+52.9	SHOULDERS	LT & RT				18.4	
1377+12.6	TO	1378+21.9	SHOULDER	LT		58.0			
1378+14.9	TO	1378+83.2	ENTRANCE	RT		465.4			
SUBTOTAL:					0.0	8462.6	19	184.5	
BOONE COUNTY									
WESTBOUND									
1377+95.1	TO	1379+06.1	ENTRANCE	RT		255.1			
1378+52.9	TO	43+11.6	MAINLINE	CL		13827.0	49		
1378+52.9	TO	43+11.6	SHOULDERS	LT & RT				474.7	
1378+55.6	TO	29+24.1	SHOULDER	RT		3281.6			
1378+65.6	TO	1383+67.0	SHOULDER	LT		232.6			
1384+91.4	TO	1388+48.6	LTL	LT			20		
1386+45.9	TO	28+97.2	SHOULDER	RT		1103.2			
29+73.6	TO	42+32.7	SHOULDER	LT		711.5			
29+89.2	TO	43+11.7	SHOULDER	RT		1275.4			
30+04.2	TO	32+29.2	RTL	RT			5		
42+52.2			ENTRANCE	RT		634.3			
42+74.8	TO	43+11.5	SHOULDER	LT		17.7			
SUBTOTAL:					0.0	21338.2	74	474.7	
EASTBOUND									
1378+52.9	TO	43+11.6	MAINLINE	CL		13357.1	49		
1378+52.9	TO	43+11.6	SHOULDERS	LT & RT				475.6	
1378+65.6	TO	1383+67.0	SHOULDER	LT		232.0			
1378+76.7	TO	1383+49.3	SHOULDER	RT		487.5			
1383+65.7			STATE ST	RT		529.0			
1383+85.9		43+11.1	SHOULDER	RT		4299.4			
1386+45.9	TO	28+97.2	SHOULDER	LT		1095.3			
1403+78.9	TO	28+37.5	LTL	LT			8		
29+73.6	TO	42+32.7	SHOULDER	LT		706.0			
42+74.8	TO	43+11.3	SHOULDER	LT		18.2			
SUBTOTAL:					0.0	20724.5	57	475.6	
STATE JURISDICTION FRONTAGE ROAD									
3+24.1			ENTRANCE	LT		29.3			
3+55.7			ENTRANCE	LT		21.7			
4+20.1			ENTRANCE	LT		28.7			
5+47.6			ENTRANCE	LT		34.9			
7+27.7	TO	7+55.6	WELTY	CL	91.8				
7+55.6	TO	8+53.1	WELTY	CL		1240.4			
SUBTOTAL:					91.8	1355.0	0	0.0	
WINNEBAGO TOTAL:					0.0	16508.7	39	377.8	
BOONE TOTAL:					91.8	43417.7	131	950.3	
TOTAL:					91.8	59926.4	170	1328.1	
ROUND TO:					92	59927	170	1328	

DELINEATORS					
LOCATION				REMARKS	SIDE
WINNEBAGO COUNTY					
WESTBOUND					
1360+75.3	TO	1378+21.4		SHOULDER	RT
1372+37.1				GUARDRAIL	RT
SUBTOTAL:					5
EASTBOUND					
1360+75.3	TO	1378+14.9		SHOULDER	RT
1366+98.6				GUARDRAIL	RT
SUBTOTAL:					5
BOONE COUNTY					
WESTBOUND					
1378+45.2	TO	28+92.0		SHOULDER	RT
29+02.5				GUARDRAIL	RT
30+11.2	TO	34+79.2		SHOULDER RTL	RT
34+79.2	TO	43+11.6		SHOULDER	RT
SUBTOTAL:					15
EASTBOUND					
1378+83.2	TO	43+11.6		SHOULDER	RT
SUBTOTAL:					10
WINNEBAGO TOTAL:					10
BOONE TOTAL:					25
TOTAL:					35
ROUNDED TO:					35

*PLACED BASED ON HWY STD 635001-02

EARTHWORK					
LOCATION			REMARK	SIDE	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH 21101600 SQ YD
WINNEBAGO COUNTY					
WESTBOUND					
1369+53.1	TO	1372+34.3	GUARDRAIL	RT	325.1
SUBTOTAL:					325.1
EASTBOUND					
1366+95.4	TO	1369+86.9	GUARDRAIL	RT	332.8
SUBTOTAL:					332.8
CONTINGENCY					
-		-	-	-	70.0
SUBTOTAL:					70.0
BOONE COUNTY					
WESTBOUND					
1400+94.8	TO	29+16.9	GUARDRAIL	RT	326.9
SUBTOTAL:					326.9
EASTBOUND					
SUBTOTAL:					0.0
CONTINGENCY					
-		-	-	-	30.0
SUBTOTAL:					30.0
STATE JURISDICTION FRONTAGE ROAD					
1+18.7	TO	3+13.4	SJFR SOIL WEDGE	LT	129.3
3+36.7	TO	3+47.4	SJFR SOIL WEDGE	LT	4.7
3+64.4	TO	4+09.7	SJFR SOIL WEDGE	LT	27.5
4+32.1	TO	5+35.2	SJFR SOIL WEDGE	LT	65.5
5+66.2	TO	7+22.2	SJFR SOIL WEDGE	LT	186.4
SUBTOTAL:					413.3
WINNEBAGO TOTAL:					657.8
BOONE TOTAL:					740.2
TOTAL:					1398.0
ROUND TO:					1398

*ESTIMATED QUANTITY. PAY ITEM TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.

STATION EQUATION: 1406+69.44 (BK) = 27+79.66 (AH)

Prairie Engineers, P.C. 404 N. Main Street Columbia, IL 62236 (217) 605-0403 www.prairieengineers.com professional design firm no. 1544005955 ENGINEERS SURVEYORS SCIENTISTS © Copyright Prairie Engineers of Illinois, P.C. 2024	USER NAME = b Brennan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					525	(6,15,14)R-RS-2	*	50	21
	PLOT SCALE = 0.16666633 1/1 in.	CHECKED -	REVISED -					CONTRACT NO. 64R15				
	PLOT DATE = 10/14/2024	DATE - 10-14-2024	REVISED -					ILLINOIS FED. AID PROJECT				

*WINNEBAGO & BOONE

MODEL: Schedules
FILE NAME: I:\Projects\2021\149-2201.00 RTB 20-0-07 02 Various Phase 1\JWork Order 8\Drawings\CAD_Sheets\0164815-Hoschschedule.dgn

PAVING SCHEDULE																
LOCATION			REMARKS	SIDE	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	LONGITUDINAL JOINT SEALANT	MATERIAL TRANSFER DEVICE	HMA BINDER COURSE (HAND METHOD), N50**	POLYMERIZED HMA BINDER COURSE (HAND METHOD), N70**	TEMPORARY RAMP	HMA BINDER COURSE, IL-9.5FG, N50	HMA SURFACE COURSE, IL-9.5, MIX "C", N50	HMA SURFACE COURSE, IL-9.5, MIX "D", N50	POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N70*	INCIDENTAL HMA SURFACING	AGGREGATE WEDGE SHOULDER, TYPE B
WINNEBAGO COUNTY					40600295 POUND	40600370 FOOT	40600405 TON	40600900 TON	40600906 TON	40600990 SQ YD	40602965 TON	40604050 TON	40604060 TON	40604162 TON	40800050 TON	48102100 TON
WESTBOUND								-	-							
1360+75.3	TO	1377+96.5	SHOULDER	RT	917.8*			-	-			196.8				
1360+75.3	TO	1377+71.6	SHOULDER	LT	531.1*			-	-			112.6				
1360+75.3	TO	1377+96.5	MAINLINE	-	2172.4	1721.2	473.1	-	-					473.1		
1360+75.3			MAINLINE	-				-	-	13.3						
1366+94.4	TO	1377+96.5	SHOULDER	RT				-	-							21.5
1366+94.4	TO	1377+71.6	SHOULDER	LT				-	-							40.3
1378+20.0	TO	1378+52.9	MAINLINE	-	80.1	33.0	17.4	-	-					17.4		
1377+12.6	TO	1378+21.9	SHOULDER	LT	27.1*			-	-			5.9				3.7
1377+90.9	TO	1378+21.9	SHOULDER	LT	6.8*			-	-			1.5				1.2
1378+20.0			MAINLINE	-				-	-	30.6						
			SUB-TOTAL:		3735.4	1754.1	490.6	-	-	43.9	0.0	316.7	0.0	490.6	0.0	66.7
EASTBOUND								-	-							
1360+75.3	TO	1376+94.3	SHOULDER	LT	539.8*			-	-			114.6				
1360+75.3	TO	1376+35.4	SHOULDER	RT	784.9*			-	-			168.1				
1360+75.3	TO	1376+59.7	MAINLINE	-	1983.7	1574.7	432.0	-	-					432.0		
1360+75.3			MAINLINE	-				-	-	13.3						
1366+94.4	TO	1376+35.4	SHOULDER	RT				-	-							17.3
1366+94.4	TO	1376+94.3	SHOULDER	LT				-	-							38.0
1376+35.1	TO	1378+17.4	SHOULDER	RT				-	-							3.4
1376+49.2	TO	1378+09.4	SHOULDER	RT	86.7*			-	-			18.6				
1376+59.4			MAINLINE	-				-	-	30.0						
1376+83.0	TO	1378+52.9	MAINLINE	-	288.1	181.1	62.7	-	-					62.7		
1376+83.8			MAINLINE	-				-	-	30.0						
1378+14.9	TO	1378+83.2	ENTRANCE	-	209.4*			-	-	18.3			39.1			
			SUB-TOTAL:		3892.6	1755.8	494.7	-	-	91.7	0.0	301.4	39.1	494.7	0.0	58.6
BOONE COUNTY								-	-							
WESTBOUND								-	-							
1377+95.1	TO	1379+06.1	ENTRANCE	-	114.8*			-	-	30.6			21.4			
1378+52.9	TO	43+11.6	MAINLINE	-	6435.4	4348.5	1401.5	-	-					1401.5		
1378+56.6	TO	29+24.1	SHOULDER	RT	1501.3*			-	-			321.6				55.0
1378+66.6	TO	1383+67.0	SHOULDER	LT	109.0*			-	-			23.7				
1378+92.0	TO	1383+44.1	SHOULDER	LT				-	-							16.5
1382+00.0			MAINLINE	-				-	-	13.3						
1383+25.8	TO	1390+52.3	ML LEFT TURN LANE	-		728.0		-	-							
1384+45.9	TO	28+97.2	SHOULDER	LT	499.7*			-	-			108.8				
1384+63.9			FIELD ENTRANCE	-				-	-							1.2
1386+46.0	TO	28+75.4	SHOULDER	LT				-	-							80.4
1402+00.0			MAINLINE	-				-	-	13.3						
28+91.9		34+79.2	ML RIGHT TURN LANE	-		587.3		-	-							
29+54.7			WELTY DR	-				-	-	35.6						
29+73.6	TO	42+32.7	SHOULDER	LT	330.8*			-	-			72.0				
29+83.6	TO	43+11.7	SHOULDER	RT				-	-							24.4
29+89.2	TO	43+11.7	SHOULDER	RT	555.9*			-	-			118.6				
30+00.8	TO	42+19.4	SHOULDER	LT				-	-							45.9
42+52.2			ENTRANCE	-	285.4*			-	-				53.3			
42+74.8	TO	43+11.3	SHOULDER	LT	8.3*			-	-			1.8				
43+11.6			MAINLINE	-				-	-	13.3						
			SUB-TOTAL:		9840.7	5663.7	1401.5	-	-	106.1	0.0	646.6	74.7	1401.5	0.0	223.4
EASTBOUND								-	-							
1378+52.9	TO	43+11.6	MAINLINE	-	6208.3	4360.2	1352.0	-	-					1352.0		
1378+66.6	TO	1383+67.0	SHOULDER	LT	108.7*			-	-			23.7				
1378+75.3	TO	1383+49.3	SHOULDER	RT				-	-							0.9
1378+76.7	TO	1383+49.3	SHOULDER	RT	223.5*			-	-			47.8				
1379+01.3	TO	1383+39.8	SHOULDER	LT				-	-							15.5
1383+66.7			E STATE ST	-	238.1*			-	-	22.2					51.8	
1383+85.9	TO	43+11.1	SHOULDER	RT	1967.0*			-	-			421.3				71.8
1384+45.9	TO	28+97.2	SHOULDER	LT	514.4*			-	-			112.0				
1386+46.0	TO	28+75.4	SHOULDER	LT				-	-							80.6
1388+00.0			MAINLINE	-				-	-	13.3						
1401+28.2	TO	30+31.4	ML LEFT TURN LANE	-		792.9		-	-							

STATION EQUATION: 1406+69.44 (BK) = 27+79.66 (AH)

Prairie Engineers, P.C. Prairie Engineers 404 N. Main Street Columbia, IL 62236 (217) 605-0403 www.prairieengineers.com professional design firm no. 1544005955 © Copyright Prairie Engineers of Illinois, P.C. 2024	USER NAME = bbrennan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES							F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 0.16666633 ' / in.	DRAWN -	REVISED -		525	(6,15,14)R-RS-2	*	50	22								
	CHECKED -	REVISED -	CONTRACT NO. 64R15														
	PLOT DATE = 10/14/2024	DATE - 10-14-2024	REVISED -		ILLINOIS FED. AID PROJECT												
SCALE: NONE		SHEET 2	OF 8	SHEETS	STA.	TO STA.											

*WINNEBAGO & BOONE

MODEL: SCHED03
FILE NAME: I:\303\2022\149-2201.00 RTB 20-0-07 02 Various Phase 1\JWork Order 8\Drawings\CAD Sheets\0264815-hsc-schedule.dgn

PAVING SCHEDULE (CONT.)																
					POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	LONGITUDINAL JOINT SEALANT	MATERIAL TRANSFER DEVICE	HMA BINDER COURSE (HAND METHOD), N50**	POLYMERIZED HMA BINDER COURSE (HAND METHOD), N70**	TEMPORARY RAMP	HMA BINDER COURSE, IL-9.5FG, N50	HMA SURFACE COURSE, IL-9.5, MIX "C", N50	HMA SURFACE COURSE, IL-9.5, MIX "D", N50	POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N70*	INCIDENTAL HMA SURFACING	AGGREGATE WEDGE SHOULDER, TYPE B
LOCATION			REMARKS	SIDE	40600295 POUND	40600370 FOOT	40600405 TON	40600900 TON	40600906 TON	40600990 SQ YD	40602965 TON	40604050 TON	40604060 TON	40604162 TON	40800050 TON	48102100 TON
29+33.7			FIELD ENTRANCE	-				-	-							1.6
29+73.6	TO	42+32.7	SHOULDER	LT	328.4*			-	-			71.5				
30+00.8	TO	42+19.4	SHOULDER	LT				-	-							45.8
36+30.0			MAINLINE	-				-	-	13.3						
42+55.6			FIELD ENTRANCE	-				-	-							2.5
42+74.8	TO	43+11.3	SHOULDER	LT	8.5*			-	-			1.9				
43+11.2			MAINLINE	-				-	-	13.3						
			SUB-TOTAL:		9597.0	5153.2	1352.0	-	-	62.2	0.0	678.2	0.0	1352.0	51.8	218.5
TATE JURISDICTION FRONTAGE ROAD								-	-							
1+18.7	TO	7+22.6	SJFR PAVEMENT	-				-	-		103.3					
1+18.7	TO	7+55.6	SJFR PAVEMENT	-	1066.8*			-	-				132.8			
7+55.6	TO	8+53.1	SJFR PAVEMENT	-	558.2*			-	-				104.2			
3+24.1			ENTRANCE	22.13' LT	13.2*			-	-						2.9	
3+55.7			ENTRANCE	22.14' LT	9.8*			-	-						2.1	
4+20.1			ENTRANCE	22.15' LT	12.9*			-	-						2.8	
5+47.6			ENTRANCE	22.18' LT	15.7*			-	-						3.4	
			SUB-TOTAL:		1676.5	0.0	0.0	-	-	0.0	103.3	0.0	236.9	0.0	11.2	0.0
			WINNEBAGO TOTAL:		7628.0	3509.9	985.3	1.2	7.0	135.6	0.0	618.1	39.1	985.3	0.0	125.3
			BOONE TOTAL:		21114.6	10816.9	2753.5	2.8	17.0	168.3	103.3	1324.8	311.7	2753.5	63.1	441.9
			TOTAL:		28742.6	14326.8	3738.8	4.0	24.0	303.9	103.3	1942.9	350.7	3738.8	63.1	567.2
			ROUND TO:		28743	14327	3739	4	24	304	103	1943	351	3739	63	567

Bituminous Materials (Tack Coat) Rate of Application = 0.05 Lb / Sq Ft on Existing HMA, 0.025 Lb / Sq Ft Between Lifts of HMA Binder

Hot-Mix Asphalt Rate of Application = 112 Lbs / Sq Yd / in

Paving quantities were calculated using CAD software.

*Quantities are Figured 6" Wider on Each Edge Side to Account for Joint Trimming (Mainline HMA Surface and Tack Coat)

**Estimated Quantity. Pay item to be used as directed by the resident engineer. (HMA Binder Course, Hand Method)

SEEDING								
LOCATION		REMARKS	SIDE	SEEDING, CLASS 2A ACRE	NITROGEN FERTILIZER NUTRIENT POUND	PHOSPHORUS FERTILIZER NUTRIENT POUND	POTASSIUM FERTILIZER NUTRIENT POUND	MULCH, METHOD 2 ACRE
WINNEBAGO COUNTY								
WESTBOUND								
1369+53.1	TO	1372+34.3	GUARDRAIL	RT	0.06	5.8	5.8	0.06
SUBTOTAL:				0.06	5.8	5.8	5.8	0.06
EASTBOUND								
1366+95.4	TO	1369+86.9	GUARDRAIL	RT	0.07	6.0	6.0	0.07
SUBTOTAL:				0.07	6.0	6.0	6.0	0.07
BOONE COUNTY								
WESTBOUND								
1400+94.8	TO	29+16.9	GUARDRAIL	RT	0.07	6.1	6.1	0.07
SUBTOTAL:				0.07	6.1	6.1	6.1	0.07
EASTBOUND								
SUBTOTAL:				0.00	0.0	0.0	0.0	0.00
STATE JURISDICTION FRONTAGE ROAD								
1+18.7	TO	3+13.4	SJFR	RT	0.03	2.4	2.4	0.03
3+36.7	TO	3+47.4	SJFR	RT	0.001	0.1	0.1	0.001
3+64.4	TO	4+09.7	SJFR	RT	0.01	0.5	0.5	0.01
4+32.1	TO	5+35.2	SJFR	RT	0.01	1.2	1.2	0.01
5+66.2	TO	7+22.2	SJFR	RT	0.04	3.5	3.5	0.04
SUBTOTAL:				0.09	7.7	7.7	7.7	0.09
WINNEBAGO TOTAL:				0.13	11.8	11.8	11.8	0.13
BOONE TOTAL:				0.15	13.8	13.8	13.8	0.15
TOTAL:				0.28	25.6	25.6	25.6	0.28
ROUND TO:				0.25	26	26	26	0.25

*THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TOPSOIL FURNISH AND REPLACE, VARIABLE DEPTH.

SHOULDER RUMBLE STRIPS					
LOCATION			REMARKS	SIDE	SHOULDER RUMBLE STRIPS, 16 INCH 64200116 FOOT
WINNEBAGO COUNTY					
WESTBOUND					
1360+75.3	TO	1378+52.9	SHOULDER	RT	1724.0
1360+75.3	TO	1377+69.5	SHOULDER	LT	1691.9
SUBTOTAL:					3415.9
EASTBOUND					
1360+75.3	TO	1378+52.9	SHOULDER	RT	1705.4
1360+75.3	TO	1377+54.7	SHOULDER	LT	1649.2
SUBTOTAL:					3354.6
BOONE COUNTY					
WESTBOUND					
1378+52.9	TO	43+11.6	SHOULDER	RT	3248.7
1379+17.5	TO	1383+25.8	SHOULDER	LT	407.9
1390+51.2	TO	28+37.5	SHOULDER	LT	1679.4
30+31.4	TO	42+10.1	SHOULDER	LT	1178.7
SUBTOTAL:					6514.7
EASTBOUND					
1378+52.9	TO	43+11.6	SHOULDER	RT	4176.4
1379+30.8	TO	1383+19.3	SHOULDER	LT	388.5
1384+76.4	TO	1401+28.2	SHOULDER	LT	1671.3
30+31.4	TO	42+08.4	SHOULDER	LT	1177.1
SUBTOTAL:					7413.3
WINNEBAGO TOTAL:					6770.5
BOONE TOTAL:					13928.0
TOTAL:					20698.5
ROUND TO:					20699

STATION EQUATION: 1406+69.44 (BK) = 27+79.66 (AH)

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	PLOT SCALE = 0.16666633 ' / in.	DRAWN -	REVISED -		525	(6,15,14)R-RS-2	*	50	23							
	PLOT DATE = 10/14/2024	CHECKED -	REVISED -		CONTRACT NO. 64R15											
		DATE - 10-14-2024	REVISED -		SCALE: NONE	SHEET 3	OF 8	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT				

*WINNEBAGO & BOONE

MODEL: Sch-604
FILE NAME: I:\0332021\149-2201.00 RTB 20-5-07 02 Various Phase 1 J:\Work Order 8\Drawings\CAD_Sheets\0264815-hoc-schedule.dgn

PERMANENT PAVEMENT MARKING																	
LOCATION			REMARKS	SIDE	PREFORMED PLASTIC PAVEMENT MARKING - LINE 6"	PREFORMED PLASTIC PAVEMENT MARKING - LINE 8"	MODIFIED URETHANE PAVEMENT MARKING - LETTERS & SYMBOLS	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	GROOVING FOR RECESSED PAVEMENT MARKING - LETTERS & SYMBOLS	GROOVING FOR RECESSED PAVEMENT MARKING - 5"	GROOVING FOR RECESSED PAVEMENT MARKING - 7"	GROOVING FOR RECESSED PAVEMENT MARKING - 9"	GROOVING FOR RECESSED PAVEMENT MARKING - 13"	GROOVING FOR RECESSED PAVEMENT MARKING - 25"	RAISED REFLECTIVE PAVEMENT MARKER
WINNEBAGO COUNTY					78004630 FOOT	78004640 FOOT	78009000 SQ FT	78009004 FOOT	78009012 FOOT	78009024 FOOT	78011000 SQ FT	78011025 FOOT	78011035 FOOT	78011045 FOOT	78011065 FOOT	78011125 FOOT	78100100 EACH
WESTBOUND																	
1360+75.33	TO	1377+96.50	SKIP DASH WHITE	CL	430.3								430.3				22
1360+75.33	TO	1378+21.41	SOLID WHITE	RT				1721.8				1721.8					
1360+75.33	TO	1377+71.61	SOLID YELLOW	LT				1694.2				1694.2					
1378+19.95	TO	1378+52.90	SKIP DASH WHITE	CL	8.2								8.2				1
SUB-TOTAL:					438.5	0.0	0.0	3416.0	0.0	0.0	0.0	3416.0	438.5	0.0	0.0	0.0	23
EASTBOUND																	
1360+75.33	TO	1376+59.68	SKIP DASH WHITE	CL	393.7								393.7				19
1360+75.33	TO	1377+73.01	SOLID YELLOW	LT				1601.5				1601.5					
1360+75.33	TO	1378+14.86	SOLID WHITE	RT				1704.7				1704.7					
1369+25.00			RAILROAD BAR WHITE	LT & RT						24.0						24.0	
1369+50.00			RAILROAD "R" (4) WHITE	LT & RT			14.4				21.2						
1369+50.00			RAILROAD "X" (2) WHITE	LT & RT			108.0				115.0						
1369+75.00			RAILROAD BAR WHITE	LT & RT						24.0						24.0	
1375+82.55			RAILROAD BAR WHITE	LT & RT						24.0						24.0	
1376+82.98	TO	1378+52.90	SKIP DASH WHITE	CL	45.3								45.3				2
SUB-TOTAL:					439.0	0.0	122.4	3306.2	0.0	72.0	136.2	3306.2	439.0	0.0	0.0	72.0	21
BOONE COUNTY																	
WESTBOUND																	
1378+45.17	TO	43+11.55	SOLID WHITE	RT				4352.8				4352.8					
1378+52.90	TO	43+11.55	SKIP DASH WHITE	CL	1087.1								1087.1				54
1378+96.54			RAILROAD BAR WHITE	LT & RT						24.0						24.0	
1379+17.50	TO	43+11.55	SOLID YELLOW	LT				3843.2				3843.2					
1384+45.93	TO	1386+45.90	SOLID YELLOW	MEDIAN					253.1						253.1		
1384+77.10	TO	1388+45.91	SOLID WHITE	LT		369.6								369.6			
1384+85.10			LT TURN ARROW WHITE	LT			15.6				16.8						
1384+91.36	TO	1388+48.56		LT													22
1385+16.00			RAILROAD BAR WHITE	LT & RT						24.0						24.0	
1385+41.00			RAILROAD "R" (4) WHITE	LT & RT			14.4				21.2						
1385+41.00			RAILROAD "X" (2) WHITE	LT & RT			108.0				115.0						
1385+66.00			RAILROAD BAR WHITE	LT & RT						24.0						24.0	
1385+69.50			LT TURN ARROW WHITE	LT			15.6				16.8						
1386+61.60			LT TURN ARROW WHITE	LT			15.6				16.8						
1387+53.80			LT TURN ARROW WHITE	LT			15.6				16.8						
1388+45.90			LT TURN ARROW WHITE	LT			15.6				16.8						
1388+45.91	TO	1391+19.47	DASH WHITE	LT		274.3								274.3			
29+29.00			SOLID WHITE	RT (WELTY)						28.0						28.0	
30+04.15	TO	32+29.18		RT													5
30+10.89	TO	32+29.17	SOLID WHITE	RT		218.3								218.3			
30+26.90			RT TURN ARROW WHITE	RT			15.6				16.8						
31+24.00			RT TURN ARROW WHITE	RT			15.6				16.8						
32+21.20			RT TURN ARROW WHITE	RT			15.6				16.8						
SUB-TOTAL:					1087.1	862.2	247.2	8196.0	253.1	100.0	270.6	8196.0	1087.1	862.2	253.1	100.0	81
EASTBOUND																	
1378+52.90	TO	43+11.55	SKIP DASH WHITE	CL	1090.1								1090.1				55
1378+83.17	TO	43+11.55	SOLID WHITE	RT				4175.5				4175.5					
1379+30.81	TO	43+11.55	SOLID YELLOW	LT				3830.2				3830.2					
1383+65.04	TO	1383+69.29	DBL SOLID YELLOW	RT (E. STATE)				89.9				89.9					
1383+97.09			SOLID WHITE	RT (E. STATE)						22.0						22.0	
1403+78.89	TO	28+40.00	SOLID WHITE	LT		350.9								350.9			9
1404+30.90			LT TURN ARROW WHITE	LT			15.6				16.8						
1405+15.90			LT TURN ARROW WHITE	LT			15.6				16.8						
1406+00.90			LT TURN ARROW WHITE	LT			15.6				16.8						
27+96.10			LT TURN ARROW WHITE	LT			15.6				16.8						
SUB-TOTAL:					1090.1	350.9	62.4	8095.6	0.0	22.0	67.2	8095.6	1090.1	350.9	0.0	22.0	64.0
WINNEBAGO TOTAL:					877.5	0.0	122.4	6722.2	0.0	72.0	136.2	6722.2	877.5	0.0	0.0	72.0	44.0
BOONE TOTAL:					2177.2	1213.1	309.6	16291.6	253.1	122.0	337.8	16291.6	2177.2	1213.1	253.1	122.0	145.0
TOTAL:					3054.7	1213.1	432.0	23013.8	253.1	194.0	474.0	23013.8	3054.7	1213.1	253.1	194.0	189.0
ROUND TO:					3055	1213	432	23014	253	194	474	23014	3055	1213	253	194	189

STATION EQUATION: 1406+69.44 (BK) = 27+79.66 (AH)

Prairie Engineers, P.C. 404 N. Main Street Columbia, IL 62236 (217) 654-0403 www.prairieengineers.com professional design firm no. 1544005955 © Copyright Prairie Engineers of Illinois, P.C. 2024	USER NAME = bbrennan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES					F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							525	(6,15,14)R-RS-2	*	50	24
	PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -							CONTRACT NO. 64R15				
	PLOT DATE = 10/14/2024	DATE - 10-14-2024	REVISED -							SCALE: NONE	SHEET 4	OF 8	SHEETS	STA.

*WINNEBAGO & BOONE

MODEL: SCHED05
FILE NAME: I:\303\2022\149-2201.00 PFB 20-0-07 D2 Various Phase 1\JWork Order 8\Drawings\CAD_Sheets\0264815-hsc-schedule.dgn

PATCHING SCHEDULE														
LOCATION		REMARKS	SIDE	LENGTH	WIDTH	AGGREGATE SUBGRADE IMPROVEMENT*	HMA REPLACEMENT OVER PATCHES**	HMA REMOVAL OVER PATCHES - 4 INCH	CLASS A PATCHES, TYPE II - 14 INCH	CLASS A PATCHES, TYPE III - 14 INCH**	CLASS A PATCHES, TYPE IV - 14 INCH	PATCHING REINFORCEMENT	SAW CUTS	TIE BARS - 3/4"
						30300001 CU YD	40601005 TON	44002216 SQ YD	44200620 SQ YD	44200624 SQ YD	44200628 SQ YD	44213000 SQ YD	44213200 FOOT	44213204 EACH
WINNEBAGO COUNTY														
WESTBOUND														
1365+00.0		DRIVING LANE	RT	10	12	2.2	-	13.3	13.3	-		13.3	63.0	
1365+00.0		PASSING LANE	LT	10	12	2.2	-	13.3	13.3	-		13.3	63.0	
1369+50.0		DRIVING LANE	RT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1369+50.0		PASSING LANE	LT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1371+00.0		DRIVING LANE	RT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1371+00.0		PASSING LANE	LT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1373+50.0		DRIVING LANE	RT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1373+50.0		PASSING LANE	LT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1374+00.0		PASSING LANE	LT	6	12	1.3	-	8.0	8.0	-		8.0	60.0	
1375+80.0		DRIVING LANE	RT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1375+80.0		PASSING LANE	LT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1375+85.0		SHOULDER	RT	6	12	1.3	-	8.0	8.0	-		8.0	60.0	
1375+85.0		DRIVING LANE	RT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1375+85.0		PASSING LANE	LT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1376+20.0		DRIVING LANE	RT	6	12	1.3	-	8.0	8.0	-		8.0	60.0	
1377+40.0		DRIVING LANE	RT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1377+40.0		PASSING LANE	LT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
SUBTOTAL:						24.4	0.0	146.7	146.7	0.0	0.0	146.7	990.0	0.0
EASTBOUND														
1366+00.0		DRIVING LANE	RT	50	12	11.1	-	66.7		-	66.7	66.7	148.0	24
1370+50.0		DRIVING LANE	RT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1370+50.0		PASSING LANE	LT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1371+60.0		DRIVING LANE	RT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1371+60.0		PASSING LANE	LT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1375+50.0		DRIVING LANE	RT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1375+50.0		PASSING LANE	LT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1375+50.0		DRIVING LANE	RT	40	12	8.9	-	53.3		-	53.3	53.3	108.0	10
1375+50.0		PASSING LANE	LT	40	12	8.9	-	53.3		-	53.3	53.3	108.0	9
SUBTOTAL:						36.9	0.0	221.3	48.0	0.0	173.3	221.3	706.0	43
CONTINGENCY														
-		-	-	-	-	8.3	-	-	-	50.0	-	50.0	219.0	-
SUBTOTAL:						8.3	0.0	0.0	0.0	50.0	0.0	50.0	219.0	0.0
BOONE COUNTY														
WESTBOUND														
1382+50.0		DRIVING LANE	RT	20	12	4.4	-	26.7		-	26.7	26.7	88.0	9
1383+00.0		DRIVING LANE	RT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1383+00.0		PASSING LANE	LT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1383+75.0		CROSS OVER	LT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1383+75.0		CROSS OVER	LT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1384+00.0		CROSS OVER	LT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1384+00.0		CROSS OVER	LT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
28+90.0	29+38.0	DRIVING LANE	RT	48	12	10.7	-	64.0		-	64.0	64.0	144.0	23
34+00.0	36+50.0	DRIVING LANE	RT	250	12	55.6	-	333.3		-	333.3	333.3	548.0	124
37+00.0	38+00.0	DRIVING LANE	RT	160	12	35.6	-	213.3		-	213.3	213.3	368.0	79
40+50.0		DRIVING LANE	RT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
40+50.0		PASSING LANE	LT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
40+75.0	41+28.0	DRIVING LANE	RT	50	12	11.1	-	66.7		-	66.7	66.7	148.0	24
41+25.0	41+75.0	DRIVING LANE	RT	50	12	11.1	-	66.7		-	66.7	66.7	148.0	24
SUBTOTAL:						139.1	0.0	834.7	64.0	0.0	770.7	834.7	1900.0	283

STATION EQUATION: 1406+69.44 (BK) = 27+79.66 (AH)

Prairie Engineers, P.C. 404 N. Main Street Columbia, IL 62236 (217) 655-0403 www.prairieengineers.com professional design firm no. 1544005955 © Copyright Prairie Engineers of Illinois, P.C., 2024	USER NAME = bbrennan		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES						F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -		CHECKED -	REVISED -								525	(6,15,14)R-RS-2	*	50	25
	PLOT SCALE = 0.16666633 ' ' / in.		DATE - 10-14-2024	REVISED -								CONTRACT NO. 64R15				
	PLOT DATE = 10/14/2024					SCALE: NONE	SHEET 5	OF 8	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

*WINNEBAGO & BOONE

MODEL: SCHED06
FILE NAME: I:\303\2022\149-2201.00 RTB 20-0-07 02_Various Phase 1\JWork Order 8\Drawings\CAD_Sheets\0364815-hsc-schedule.dgn

PATCHING SCHEDULE (CONT.)															
							AGGREGATE SUBGRADE IMPROVEMENT*	HMA REPLACEMENT OVER PATCHES**	HMA REMOVAL OVER PATCHES - 4 INCH	CLASS A PATCHES, TYPE II - 14 INCH	CLASS A PATCHES, TYPE III - 14 INCH**	CLASS A PATCHES, TYPE IV - 14 INCH	PATCHING REINFORCEMENT	SAW CUTS	TIE BARS - 3/4"
LOCATION			REMARKS	SIDE	LENGTH	WIDTH	30300001 CU YD	40601005 TON	44002216 SQ YD	44200620 SQ YD	44200624 SQ YD	44200628 SQ YD	44213000 SQ YD	44213200 FOOT	44213204 EACH
EASTBOUND															
1379+00.0			DRIVING LANE	RT	6	12	1.3	-	8.0	8.0	-		8.0	60.0	
1380+40.0			DRIVING LANE	RT	30	12	6.7	-	40.0		-	40.0	40.0	108.0	14
1402+30.0		1406+00.0	LT TURN LANE	LT	368	12	81.8	-	490.7		-	490.7	490.7	784.0	183
1404+25.0			DRIVING LANE	RT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1404+25.0			PASSING LANE	LT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1404+25.0			LT TURN LANE	LT	6	12	1.3	-	8.0	8.0	-		8.0	60.0	
1405+00.0			DRIVING LANE	RT	100	12	22.2	-	133.3		-	133.3	133.3	248.0	49
1405+30.0			DRIVING LANE	RT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
1405+30.0			PASSING LANE	LT	6	12	1.3	-	8.0	8.0	-		8.0	57.0	
SUBTOTAL:							118.7	0.0	712.0	48.0	0.0	664.0	712.0	1488.0	246
CONTINGENCY															
-		-	-	-	-	-	16.7	-	-	-	100.0	-	100.0	390.0	-
SUBTOTAL:							16.7	0.0	0.0	0.0	100.0	0.0	100.0	390.0	0.0
WINNEBAGO TOTAL:							69.6	41.0	368.0	194.7	50.0	173.3	418.0	1915.0	43.0
BOONE TOTAL:							274.5	174.0	1546.7	112.0	100.0	1434.7	1646.7	3778.0	529.0
TOTAL:							344.1	215.0	1914.7	306.7	150.0	1608.0	2064.7	5693.0	572
ROUND TO:							344	215	1915	307	150	1608	2065	5693	572

*AGGREGATE SUBGRADE IMPROVEMENT DEPTH IS 6".
**ESTIMATED QUANTITY. PAY ITEM TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.

GUARDRAIL ITEMS								
LOCATION			REMARKS	SIDE	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS 63000001 FOOT	TRAFFIC BARRIER TERMINAL, TYPE 2 63100045 EACH	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED 63100169 EACH	GUARDRAIL REMOVAL 63200310 FOOT
WINNEBAGO COUNTY								
WESTBOUND								
1369+63.2	TO	1369+75.6	SHOULDER	RT	1			
1369+61.9	TO	1272+51.9	SHOULDER	RT			291.2	
1369+63.2	TO	1372+37.2	SHOULDER	RT				4
1369+75.6	TO	1371+87.4	SHOULDER	RT	212.5			
1371+87.4	TO	1372+37.2	SHOULDER	RT			1	
1372+37.2			SHOULDER	RT				1
SUB-TOTAL:					212.5	1	1	291.2
EASTBOUND								
1366+98.6	TO	1367+49.2	SHOULDER	RT			1	
1366+98.6			SHOULDER	RT				1
1366+98.6	TO	1369+76.8	SHOULDER	RT				4
1367+05.9	TO	1369+87.5	SHOULDER	RT				278.6
1367+49.2	TO	1369+64.1	SHOULDER	RT	212.5			
1369+64.1	TO	1369+76.8	SHOULDER	RT		1		
SUB-TOTAL:					212.5	1	1	278.6
BOONE COUNTY								
WESTBOUND								
1400+93.7	TO	28+77.7	SHOULDER	RT				673.5
1401+04.8	TO	1401+17.4	SHOULDER	RT		1		
1401+04.8	TO	29+05.5	SHOULDER	RT				9
1401+17.4	TO	28+52.6	SHOULDER	RT	625			
28+52.6		29+02.5	SHOULDER	RT			1	
29+02.5			SHOULDER	RT				1
SUB-TOTAL:					625	1	1	673.5
EASTBOUND								
SUB-TOTAL:					0.0	0	0	0.0
WINNEBAGO TOTAL:					425.0	2	2	569.8
BOONE TOTAL:					625.0	1	1	673.5
TOTAL:					1050.0	3	3	1243.3
ROUND TO:					1050	3	3	1243

SHORT TERM PAVEMENT MARKING						
LOCATION			REMARKS	SIDE	SHORT TERM PAVEMENT MARKING 70300100 FOOT	SHORT TERM PAVEMENT MARKING REMOVAL 70300150 SQ FT
WINNEBAGO COUNTY						
WESTBOUND						
1360+75.3	TO	1377+96.5	WHITE DASH	CL	344.2	57.4
1360+75.3	TO	1378+21.4	WHITE DASH	RT	68.9	11.5
1360+75.3	TO	1377+71.6	YELLOW DASH	LT	67.8	11.3
1378+20.0	TO	1378+52.9	WHITE DASH	CL	6.6	1.1
SUBTOTAL:					487.5	81.2
EASTBOUND						
1360+75.3	TO	1376+59.7	WHITE DASH	CL	314.9	52.5
1360+75.3	TO	1377+73.0	YELLOW DASH	LT	64.1	10.7
1360+75.3	TO	1378+14.9	WHITE DASH	RT	68.2	11.4
1376+83.0	TO	1378+52.9	WHITE DASH	CL	36.2	6.0
SUBTOTAL:					483.4	80.6
BOONE COUNTY						
WESTBOUND						
1378+45.2	TO	43+11.6	WHITE DASH	RT	174.1	29.0
1378+52.9	TO	43+11.6	WHITE DASH	CL	869.7	144.9
1379+17.5	TO	43+11.6	YELLOW DASH	LT	153.7	25.6
1384+91.4	TO	1388+48.6	WHITE DASH (LTL)	LT	73.9	12.3
30+04.2	TO	32+29.2	WHITE DASH (RTL)	RT	43.7	7.3
SUBTOTAL:					1315.1	219.2
EASTBOUND						
1378+83.2	TO	43+11.6	WHITE DASH	RT	167.0	27.8
1378+52.9	TO	43+11.6	WHITE DASH	CL	872.1	145.3
1379+30.8	TO	43+11.6	YELLOW DASH	LT	153.2	25.5
1403+78.9	TO	28+37.5	WHITE DASH (LTL)	LT	70.2	11.7
SUBTOTAL:					1262.5	210.4
WINNEBAGO TOTAL:					970.9	161.8
BOONE TOTAL:					2577.6	429.6
TOTAL:					3548.5	591.4
ROUND TO:					3549	592

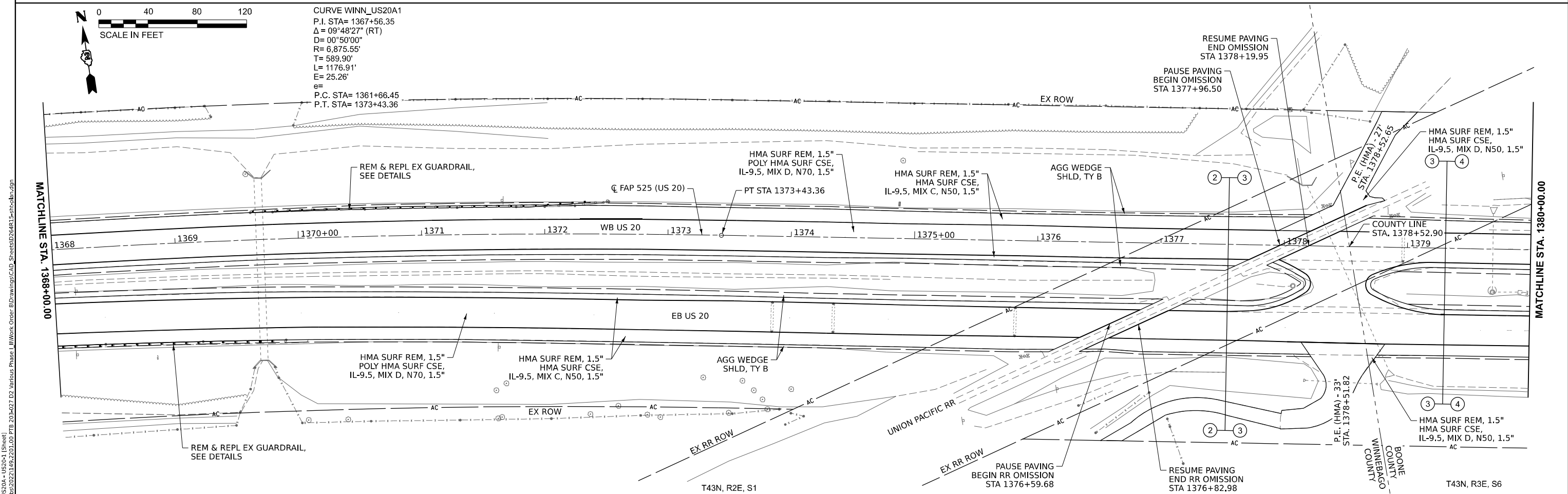
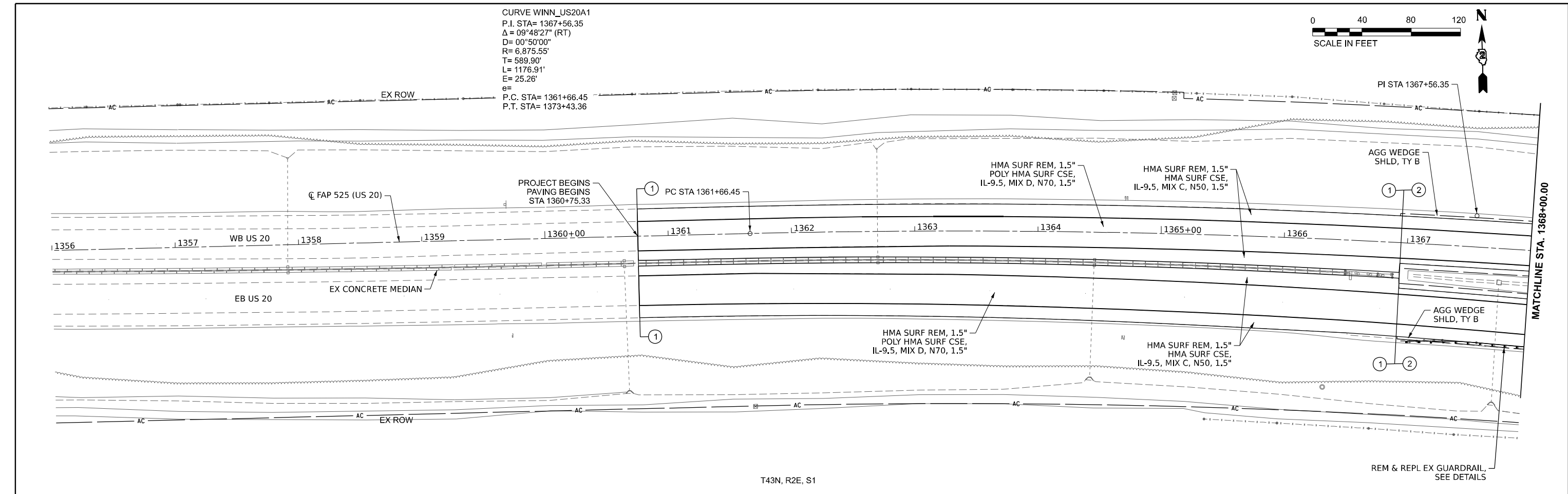
NOTE:
SHORT TERM PAVEMENT MARKING QUANTITY INCLUDES TWO APPLICATIONS. ONE ON MILLED SURFACE AND ONE ON HMA SURFACE COURSE.

Prairie Engineers, P.C.  Prairie Engineers ENGINEERS SURVEYORS SCIENTISTS 404 N. Main Street Columbia, IL 62236 (217) 605-0403 www.prairieengineers.com professional design firm no. 154-005965 © Copyright Prairie Engineers of Illinois, P.C. 2024 USER NAME = bbrennan DESIGNED - REVISED -			
	PLOT SCALE = 0.16666633 ' / in.	DRAWN -	REVISED -
	PLOT DATE = 10/14/2024	CHECKED -	REVISED -
	DATE = 10-14-2024	DATE - 10-14-2024	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
SCHEDULE OF QUANTITIES			
SCALE: NONE	SHEET 6	OF 8 SHEETS	STA. TO STA.

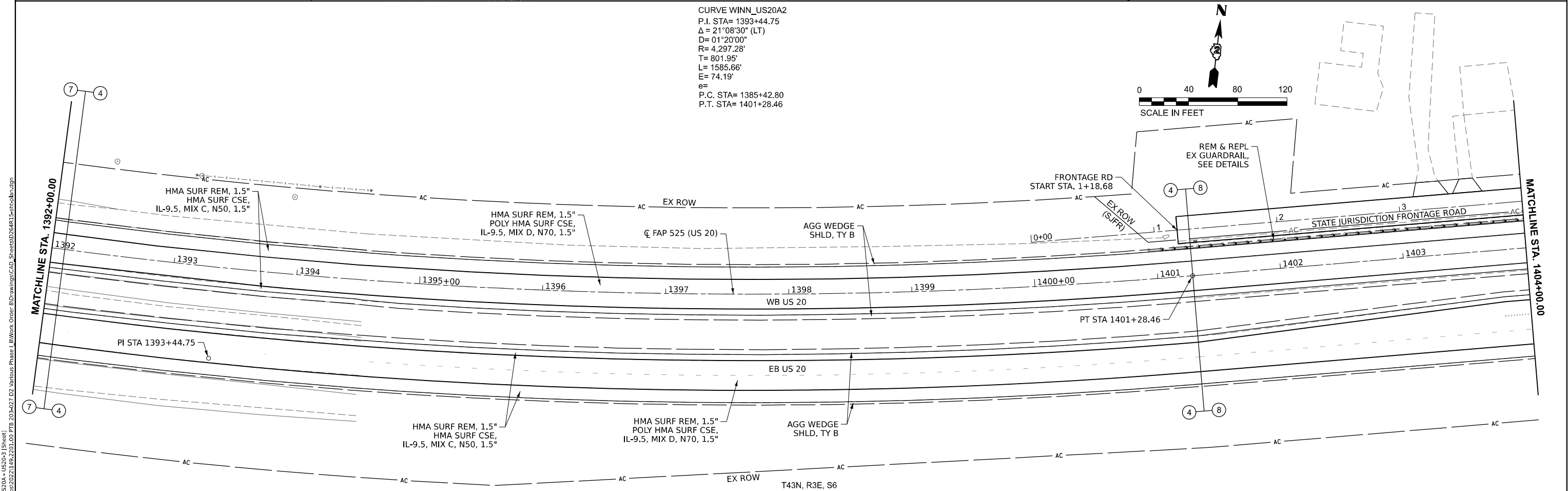
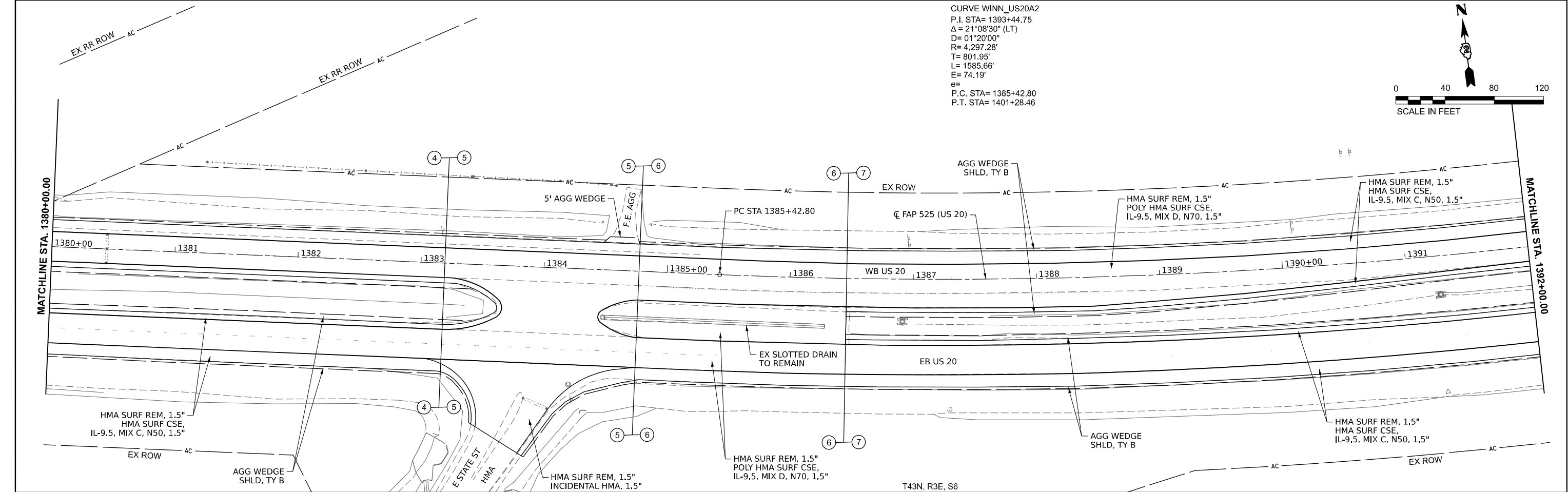
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(6,15,14)R-RS-2	*	50	26
CONTRACT NO. 64R15				
ILLINOIS		FED. AID PROJECT		

*WINNEBAGO & BOONE



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	PLOT DATE = 10/14/2024		CHECKED -	REVISED -		SHEET 1 OF 4 SHEETS		CONTRACT NO. 64R15				
	DATE = 10-14-2024		DATE - 10-14-2024	REVISED -		STA. 1356+00.00 TO STA. 1380+00.00		ILLINOIS FED. AID PROJECT				

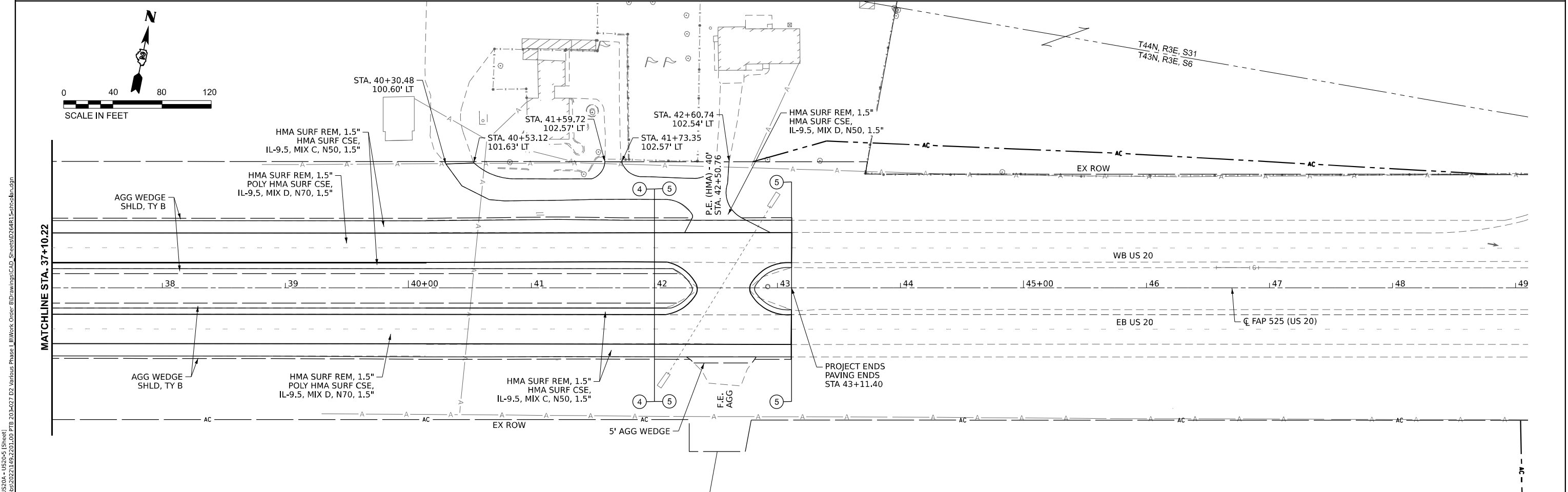
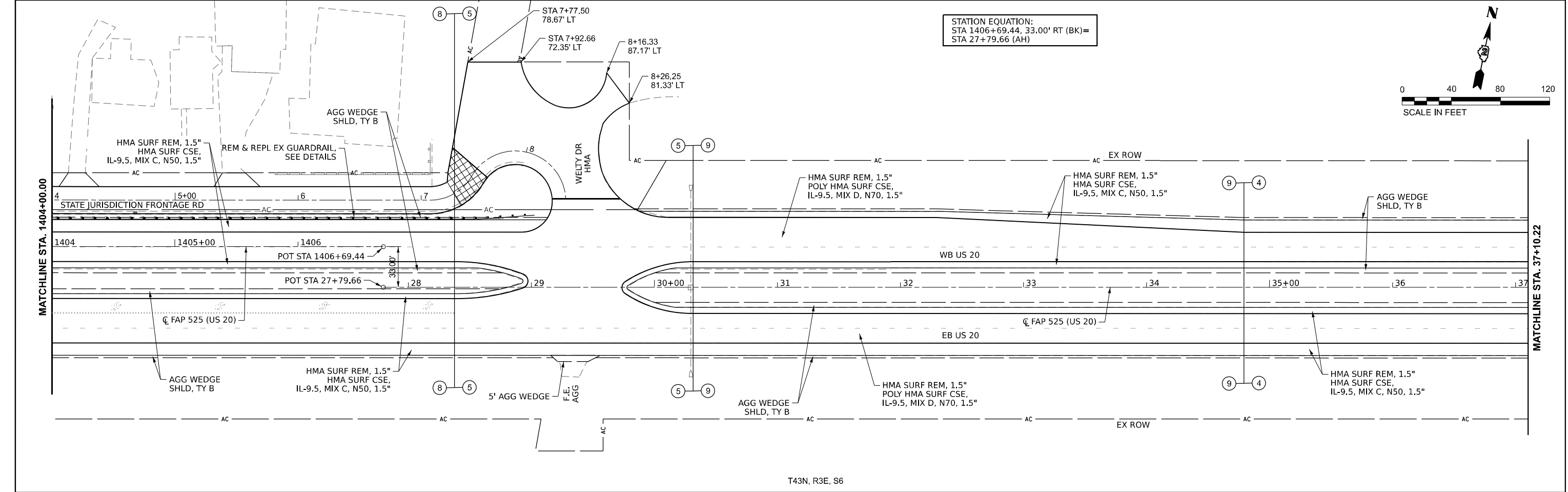
*WINNEBAGO & BOONE



MODEL: WINN_US20A - US20-3 (Sheet)
FILE NAME: I:\303202\2149\22\1180 DTB 203-027 D2 Various Phase 1 J\Work Order 8\Drawings\CAD Sheets\0264815-10-14-2024.dgn

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		DATE = 10-14-2024	REVISED -		SHEET 2	OF 4	SHEETS	STA. 1380+00.00	TO STA. 1404+00.00	ILLINOIS FED. AID PROJECT		

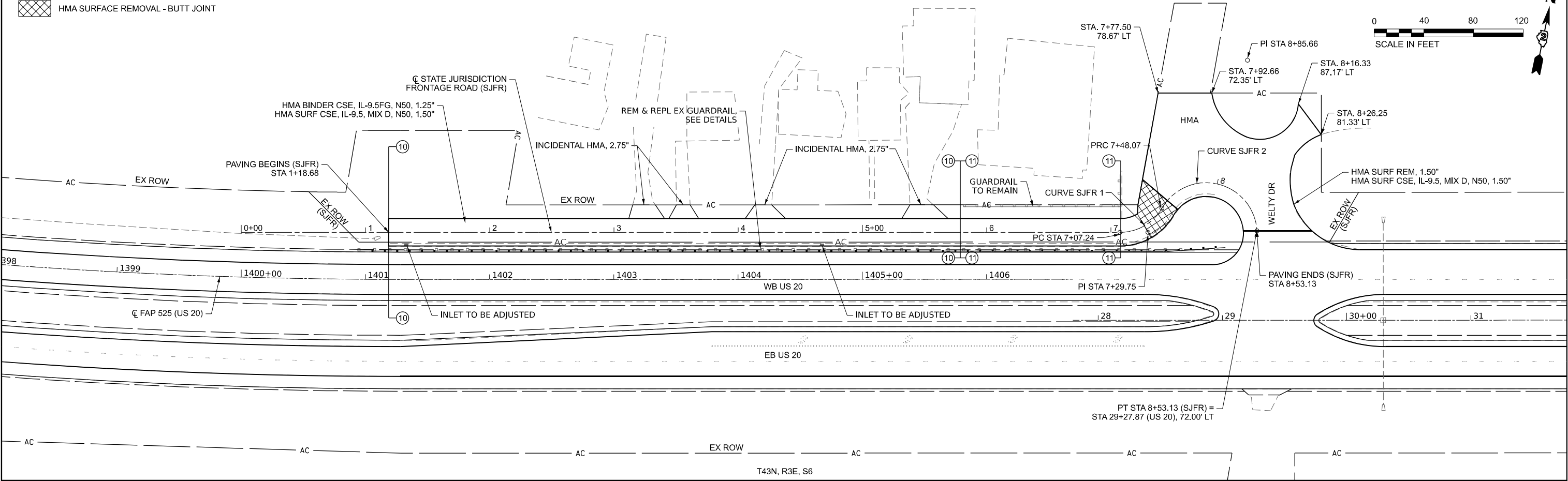
*WINNEBAGO & BOONE



HMA SURFACE REMOVAL - BUTT JOINT

0 40 80 120

SCALE IN FEET



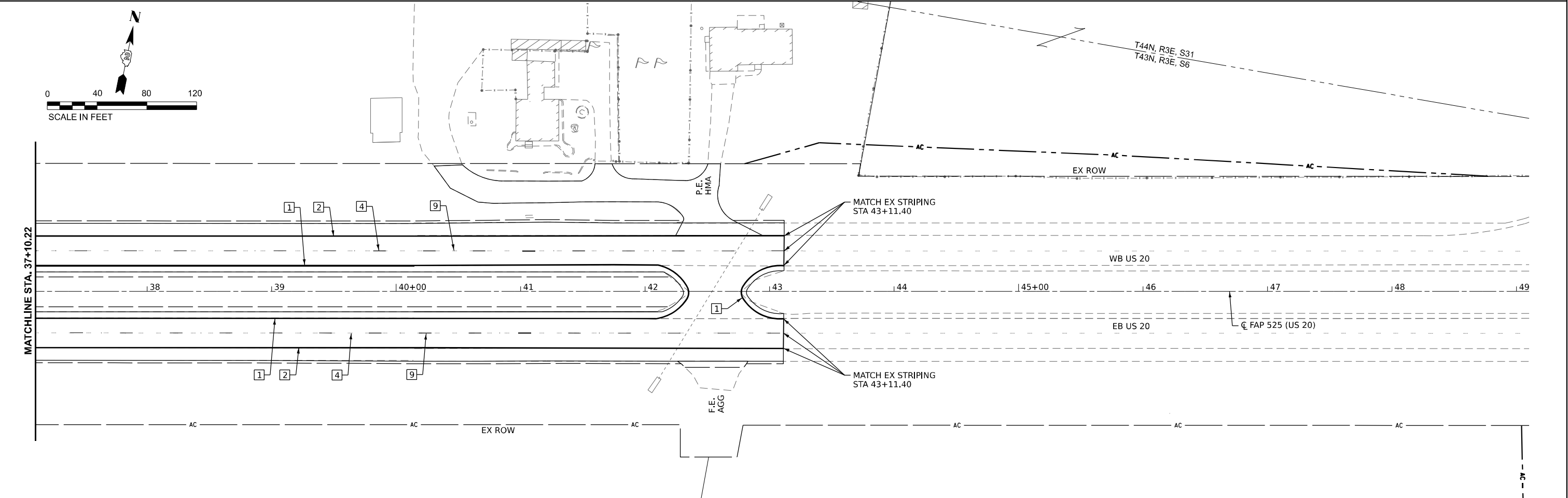
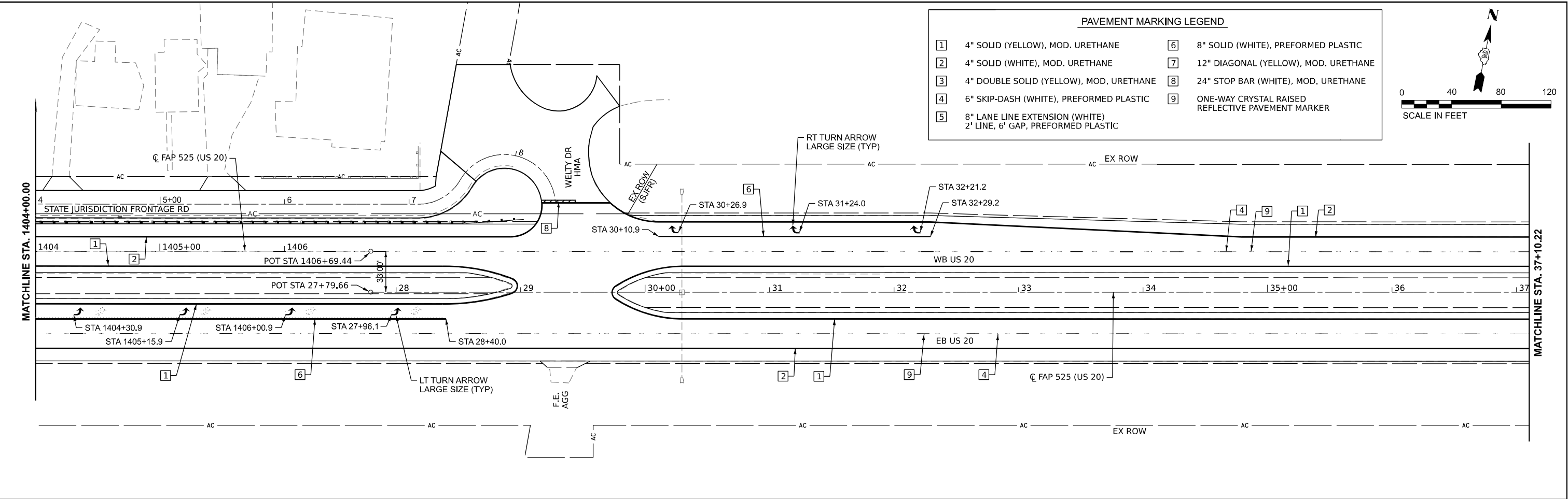
CURVE SJFR 1
P.I. STA= 7+29.75
 Δ = 59°58'44" (LT)
D= 146°54'44"
R= 39.00'
T= 22.51'
L= 40.83'
E= 6.03'
P.C. STA= 7+07.24
P.T. STA= 7+48.07

CURVE SJFR 2
P.I. STA= 8+85.66
 Δ = 146°48'45" (RT)
D= 139°44'45"
R= 41.00'
T= 137.59'
L= 105.06'
E= 102.57'
P.C. STA= 7+48.07
P.T. STA= 8+53.13

MODEL: Front4 (Sheet)
FILE NAME: 810321149_2201.00 PTB 203-027 D2 Various Phase 1 JWork Order 8\Drawings\CAD Sheets\0264815-joclan.dgn

Prairie Engineers, P.C. 404 N. Main Street Columbia, IL 62236 (217) 605-0403 www.prairieengineers.com professional design firm no. 1544005955 Copyright Prairie Engineers of Illinois, P.C. 2024	USER NAME = bbrennan		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET STATE JURISDICTION FRONTAGE ROAD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -		CHECKED -	REVISED -		SCALE: 1"=40'			525	(6.15.14)R-RS-2	*	50	32
	PLOT SCALE = 80.000" / in.		DATE - 10-14-2024	REVISED -		SHEET 4 OF 4 SHEETS			CONTRACT NO. 64R15				
	PLOT DATE = 10/14/2024					STA. 0+00.00 TO STA. 9+00.00			ILLINOIS FED. AID PROJECT				

*WINNEBAGO & BOONE

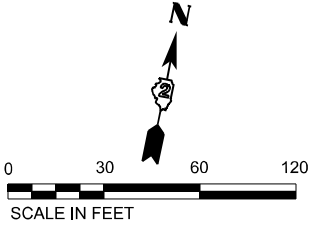
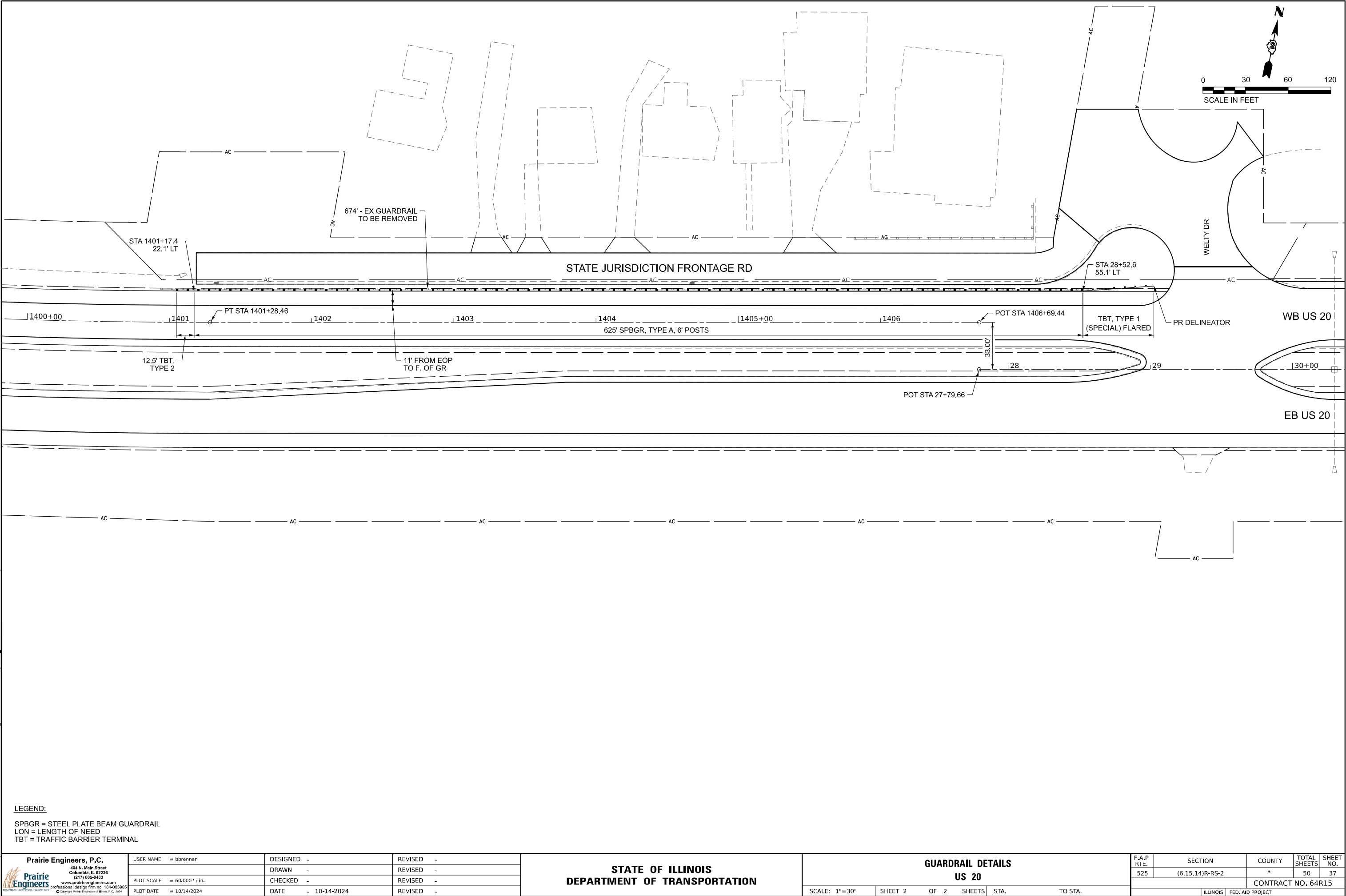


MODEL: WINN_US204 - US20-45 (Sheet)
FILE NAME: I:\303302\2149\22\1100\TB 203-027 D2 Various Phase 1\JWork Order 8\Drawings\CAD Sheets\034815-hpcont.dgn

 Prairie Engineers ENGINEERS SURVEYORS SCIENTISTS 404 N. Main Street Columbia, IL 62236 (217) 605-0403 www.prairieengineers.com professional design firm no. 1544005965 © Copyright Prairie Engineers of Illinois, P.C. 2024	USER NAME = bbrennan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN US 20					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633 ' / in.	DRAWN -	REVISED -		SCALE: 1"=40'					525	(6.15.14)R-RS-2	*	50	35
	PLOT DATE = 10/14/2024	CHECKED -	REVISED -		SHEET 3 OF 3 SHEETS					CONTRACT NO. 64R15				
		DATE = 10-14-2024	REVISED -		STA. 1404+00.00 TO STA. 49+00.00					ILLINOIS FED. AID PROJECT				

*WINNEBAGO & BOONE

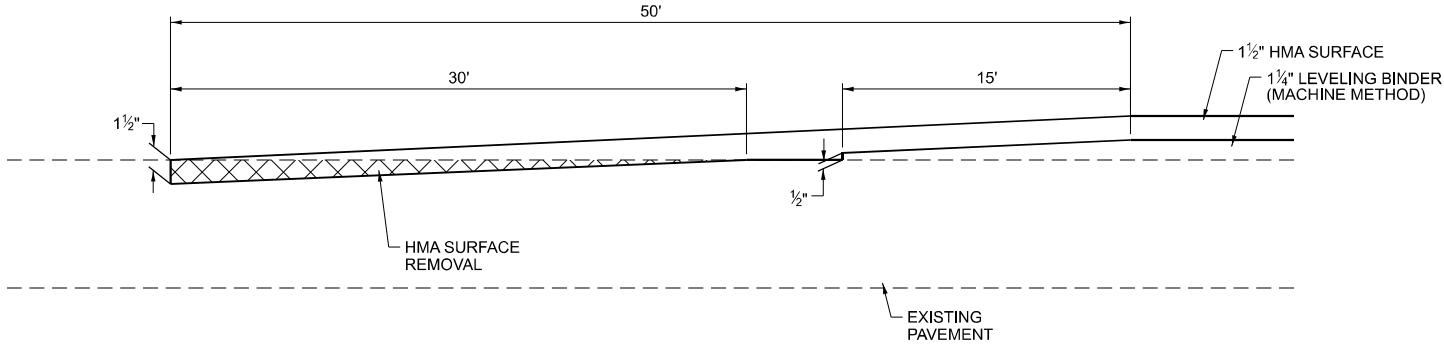
MODEL: Sheet 2
FILE NAME: I:\bids\2022\149,220\1.00 PTB 203-027 D2 Various Phase 1\JWork Order 8\Drawings\CAD Sheets\0264815-10-detail15-CB.dgn



LEGEND:
SPBGR = STEEL PLATE BEAM GUARDRAIL
LON = LENGTH OF NEED
TBT = TRAFFIC BARRIER TERMINAL

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	PLOT SCALE = 60.000" / in.	DRAWN -	REVISED -					525	(6.15.14)R-RS-2	*	50	37
	PLOT DATE = 10/14/2024	CHECKED -	REVISED -		SCALE: 1"=30'			CONTRACT NO. 64R15				
	DATE = 10-14-2024	DATE - 10-14-2024	REVISED -		SHEET 2 OF 2 SHEETS			ILINOIS FED. AID PROJECT				

*WINNEBAGO & BOONE



TYPICAL TAPER
1:20 TAPER FOR 2 3/4" RESURFACING

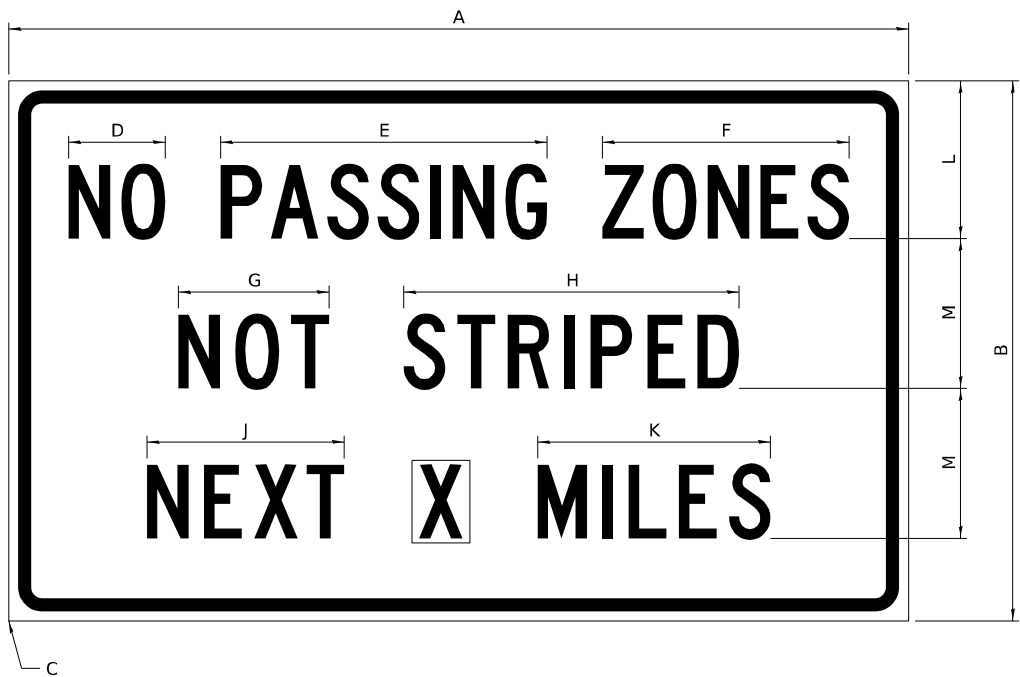
MODEL DETAILS
FILE NAME: I:\3032021\49-2201.00 RTB 203-027 D2 Various Phase 1\JWork Order 8\Drawings\CAD Sheets\0264815-tt-details.dgn

Prairie Engineers, P.C. 404 N. Main Street Columbia, IL 62236 (217) 605-0403 www.prairieengineers.com professional design firm no. 1544005955 ENGINEERS SURVEYORS SCIENTISTS © Copyright Prairie Engineers of Illinois, P.C. 2024	USER NAME = bbrennan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL TAPER DETAIL				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						525	(6,15,14)R-RS-2	*	50	38
	PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 64R15				
	PLOT DATE = 10/14/2024	DATE - 10-14-2024	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

*WINNEBAGO & BOONE

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD G20-I100



SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
60 x 36	60.00	36.00	2.25	6.4	21.80	16.40	10.00	22.40	13.20	15.50	10.50	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
60 x 36	5C	5C	5C	0.625	0.875

Sign not to scale

GENERAL NOTES

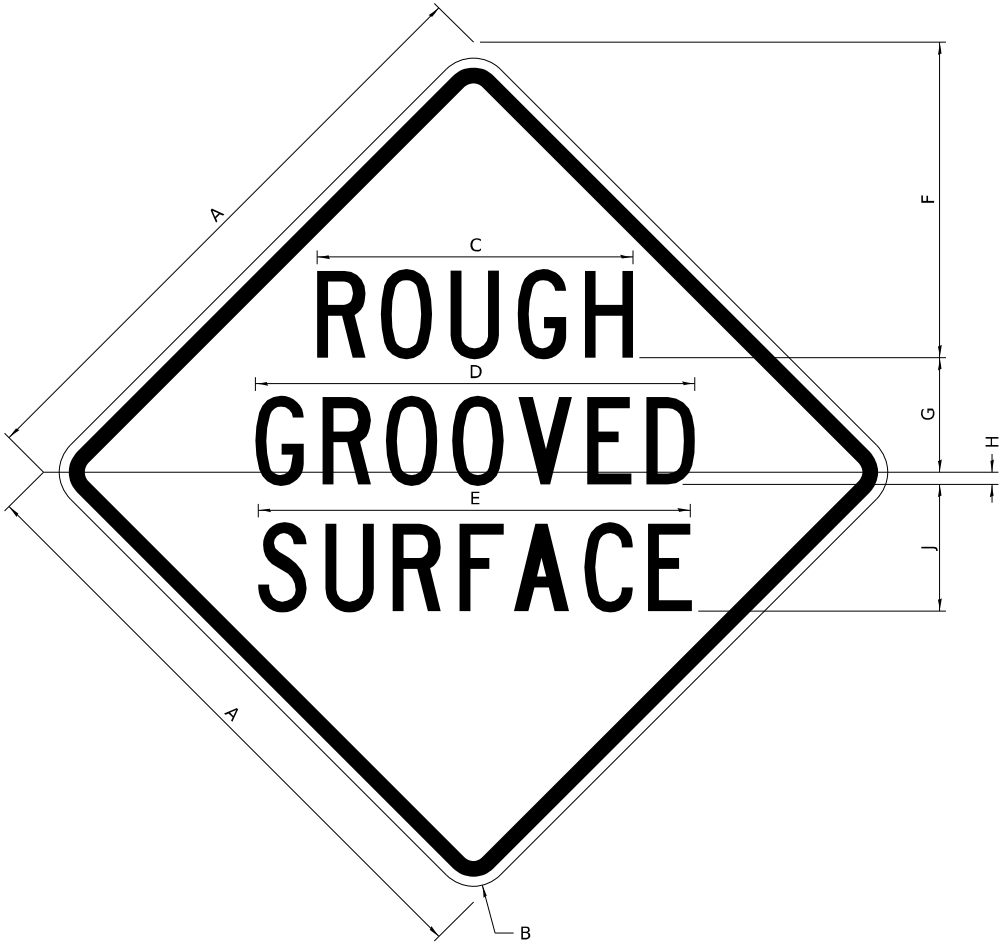
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

ILLINOIS STANDARD W8-I107



SIGN SIZE	DIMENSIONS								
	A	B	C	D	E	F	G	H	J
48 x 48	48.00	3.00	25.00	34.80	34.20	24.94	9.00	1.00	10.00

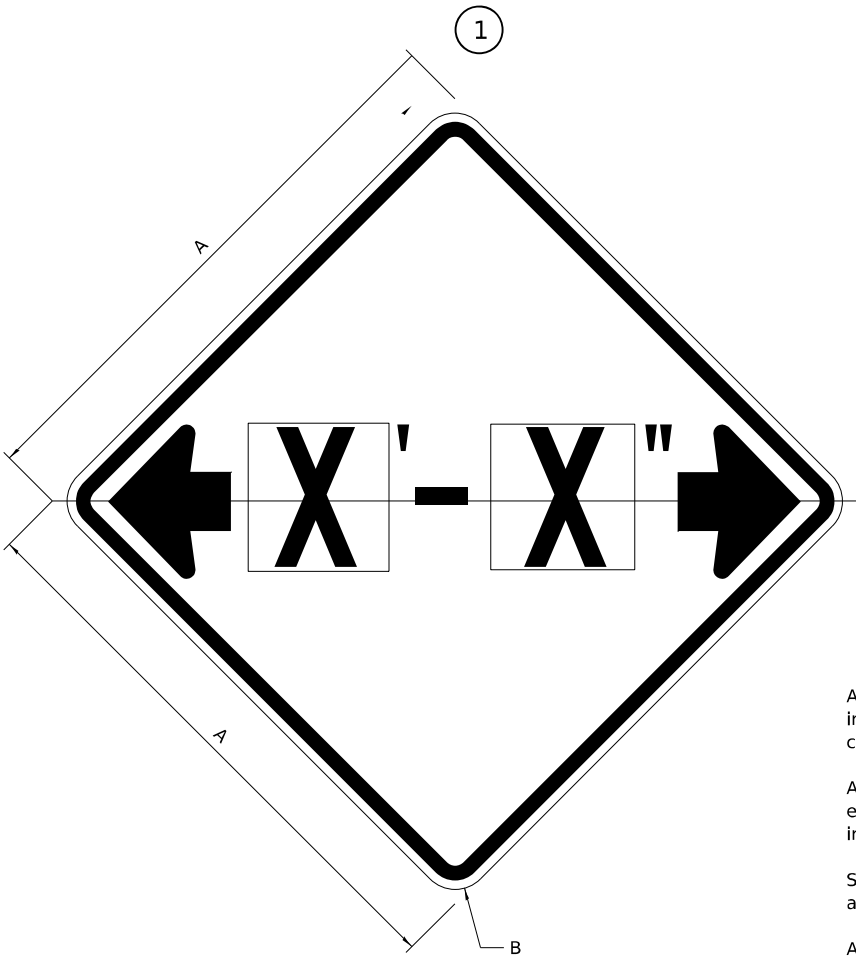
SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
48 x 48	7C	7C	7C	1.250	0.750

Sign not to scale

MODEL: DETAILS.01
FILE NAME: (0409)2023149.2201.00_PTB_203-027_D2_Verbose_Phase 1 (J:\Work_Order_B\Drawings\CAD_Sheets\2364815-shd-details-55.1.dgn

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD W12-I102



GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

COLOR LEGEND AND BORDER BACKGROUND BLACK FL ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS	
	A	B
48 x 48	48.00	3.00

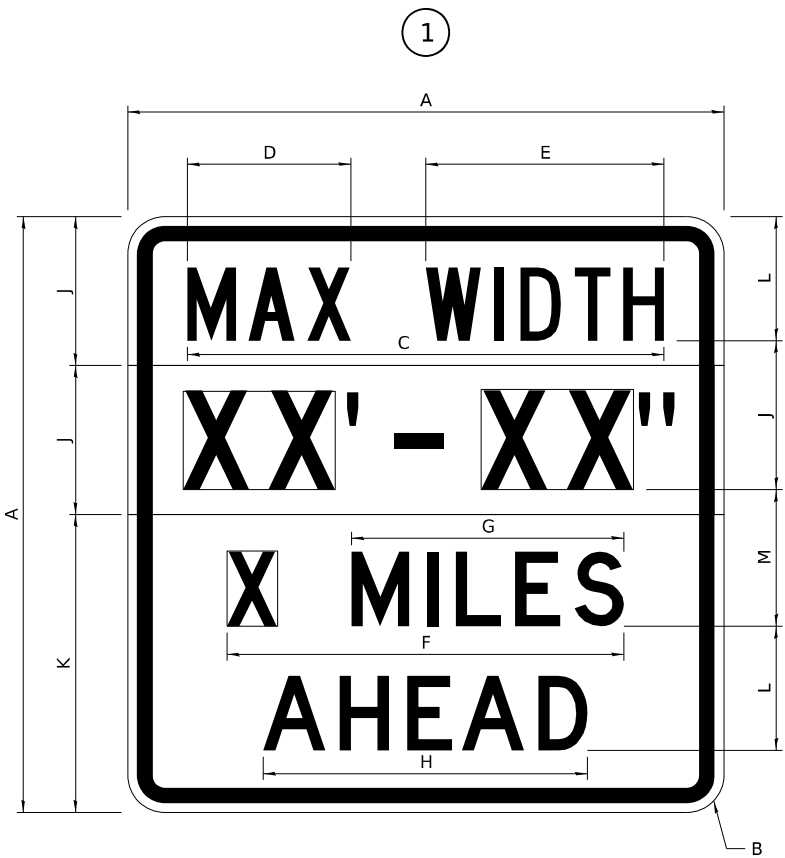
1 Illinois Standard signs W12-I102 and W12-I103 shall be used as described in the special provisions.

SIGN SIZE	SERIES BY LINE	MARGIN	BORDER
	1		
48 x 48	12C	0.750	1.250

Sign not to scale

3-02-16

ILLINOIS STANDARD W12-I103



COLOR LEGEND AND BORDER BACKGROUND BLACK FL ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
48 x 48	48.00	3.00	38.40	13.20	19.20	32.00	22.00	26.20	12.00	24.00	10.00	11.00

SIGN SIZE	SERIES BY LINE				MARGIN	BORDER
	1	2	3	4		
48 x 48	6C	8D	6D	6D	0.750	1.250

Sign not to scale

XX'-XX" WIDTH AND X MILES ARE VARIABLE TOP AND BOTTOM OF BACKGROUND WHITE

MODEL: DETAILS-02
FILE NAME: I:\025\2023\149-2201-00-PTB-203-027-D2-Verbois-Phase 1\JWork_Order-BDrawings\CAD_Sheets\1264815-shh-details-55.1.dgn

WORK ZONE SIGN DETAILS

STOP LINE SIGN FOR TEMPORARY SIGNALS

ROAD CLOSED TO OVERSIZED LOADS



COLOR	LEGEND AND BORDER BACKGROUND	BLACK ORANGE	NON-REFLECTORIZED REFLECTORIZED
-------	------------------------------	--------------	---------------------------------

Permit Loads - Loads Over 13 Feet; 3.0" Radius, 1.3" Border;
[NO OVERSIZE -] D; [OVERWEIGHT LOADS] D 85% spacing; [XX MILES AHEAD] D;
Table of letter and object lefts.

N	O	O	V	E	R	S	I	Z	E	-
11.7	18.1	30.0	36.2	42.8	48.4	54.4	60.7	63.5	69.5	80.8

O	V	E	R	W	E	I	G	H	T	L	O	A	D	S
2.6	8.6	15.0	20.4	26.2	33.4	38.8	41.3	47.4	53.2	64.5	69.9	75.9	82.9	88.7

X	X	M	I	L	E	S	A	H	E	A	D
7.6	13.6	25.3	32.3	35.1	40.6	46.2	57.9	65.1	71.4	76.6	83.7

Sign not to scale

COLOR	LEGEND AND BORDER BACKGROUND	BLACK WHITE	NON-REFLECTORIZED REFLECTORIZED
-------	------------------------------	-------------	---------------------------------

SIGN SIZE	SERIES BY LINE		
	1	2	3
24 x 24	4C	4C	4C

Sign not to scale

GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

WORK ZONE SIGN DETAILS

ENTRANCE SIGN FOR USE
WITH TEMPORARY SIGNALS



2 This sign shall be installed at entrances located between the temporary signals as shown in the staging plans.

Table Of Widths And Spaces

22.31	C	0.62	A	0.94	U	0.94	T	0.94	I	1.17	O	1.17	N	22.31
	3.36		4.18		3.36		3.04		0.78		3.52		3.36	

8.23	O	1.17	N	1.18	E
	3.51		3.36		3.04

5.00	L	0.31	A	0.94	N	1.17	E
	3.05		4.18		3.36		3.05

5.00	R	0.93	O	0.94	A	0.93	D	8.23
	3.36		3.52		4.18		3.36	

7.43	F	0.94	O	1.17	L	0.94	L	0.94	O	0.94	W
	3.04		3.52		3.04		3.05		3.51		4.37

5.00	T	0.94	R	0.94	A	0.93	F	0.94	F	0.94	I	1.18	C	7.43
	3.05		3.36		4.18		3.05		3.04		0.78		3.35	

27.60	F	0.94	L	0.94	O	0.93	W	27.60
	3.05		3.04		3.52		4.38	

Sign not to scale

GENERAL NOTES

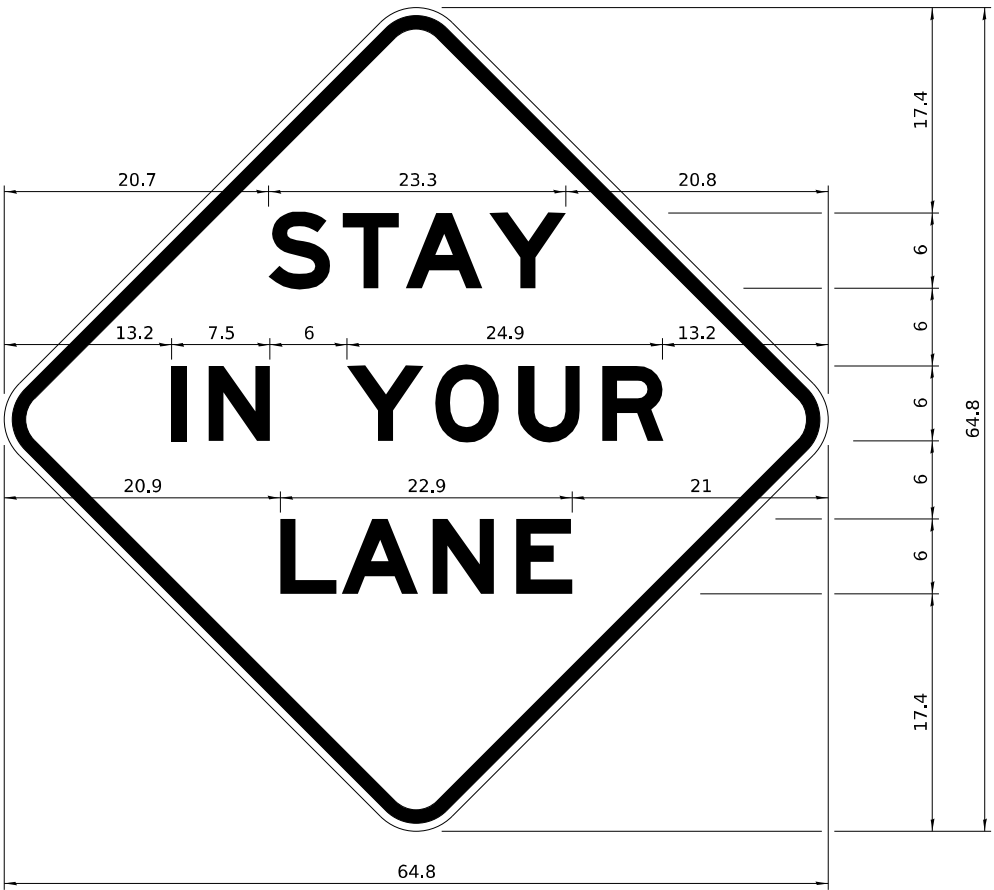
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

STAY IN YOUR LANE



COLOR	LEGEND AND BORDER BACKGROUND	BLACK ORANGE	NON-REFLECTORIZED REFLECTORIZED
-------	---------------------------------	-----------------	------------------------------------

48.0" across sides 3.8" Radius, 1.0" Border, 0.6" Indent;
"STAY" E Mod; "IN YOUR" E Mod; "LANE" E Mod;

Table of Letter and Object Lefts

S	T	A	Y
20.7	26.8	31.6	38.0

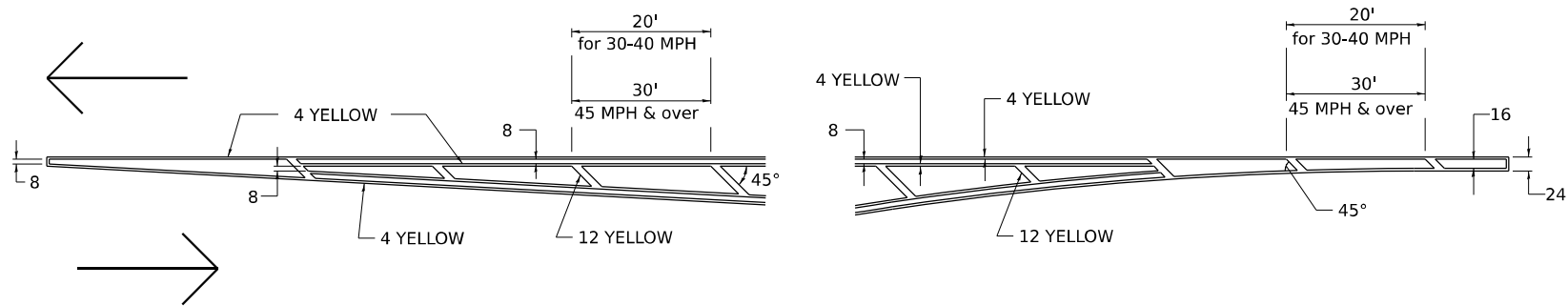
I	N	Y	O	U	R
13.2	15.9	26.7	33.9	40.5	46.8

L	A	N	E
20.9	25.8	33.1	39.4

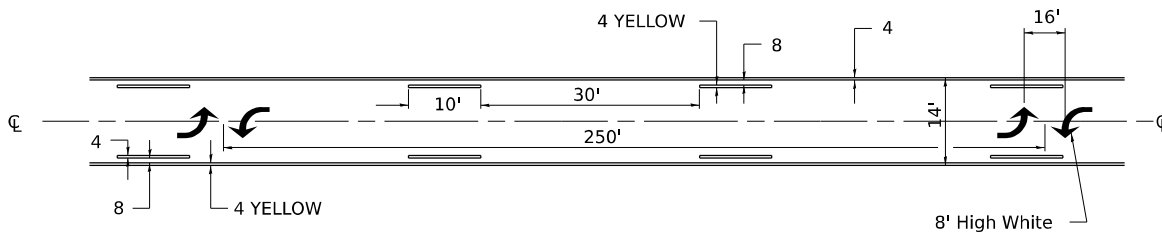
Sign not to scale

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

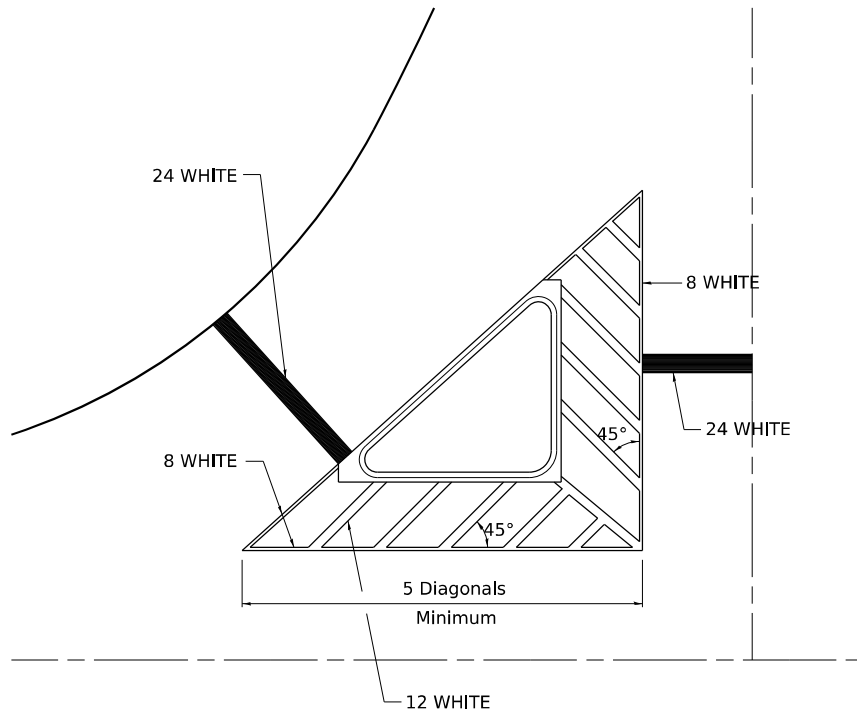


MEDIAN PAVEMENT MARKING



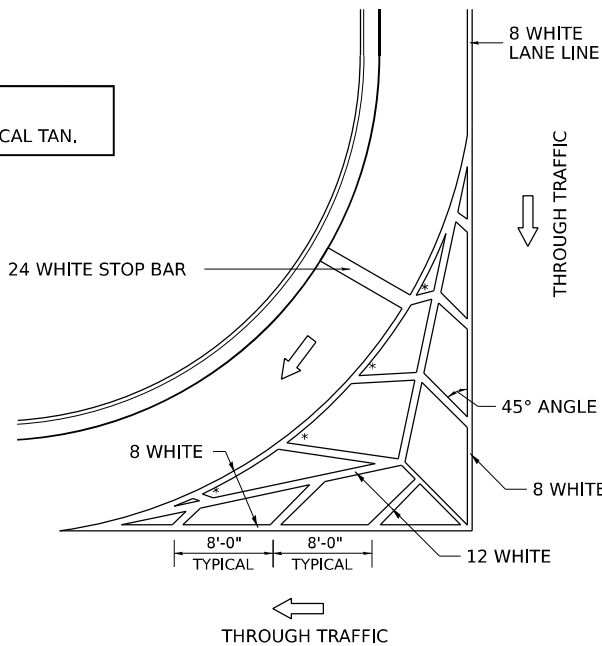
** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



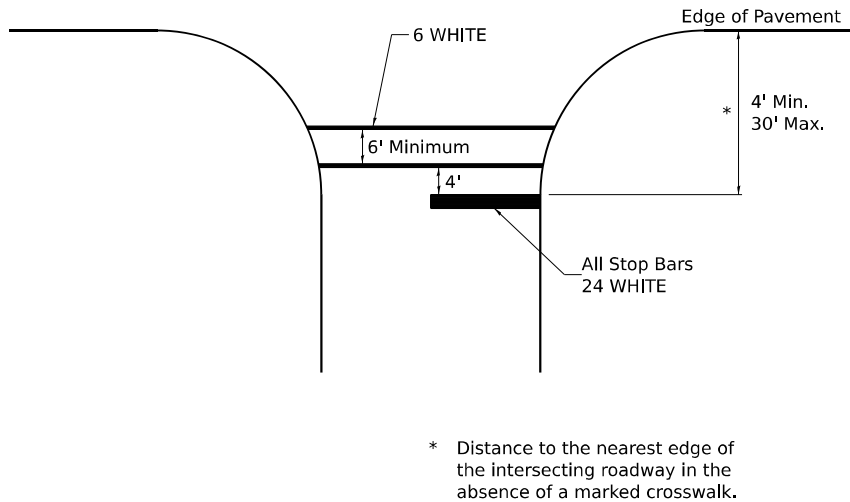
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations



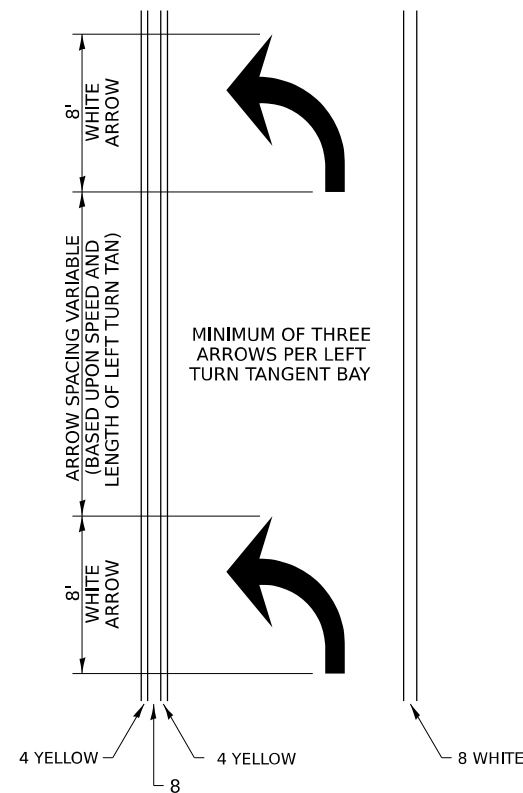
* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

MODEL DETAILS.CAE
FILE NAME: 0103032021149.2201.00_PTB_203-027 D2_Verbose Phase 1_UltWork Order BDrawingsCAD_SheetsD264815-shd-details-55.1.dgn

Prairie Engineers, P.C. 404 N. Main Street Columbia, IL 62236 (217) 655-0403 www.prairieengineers.com professional design firm no. 1544005955 ENGINEERS SURVEYORS SCIENTISTS © Copyright Prairie Engineers of Illinois, P.C., 2018	USER NAME = bbrennan		DESIGNED -	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -		CHECKED -	REVISED -				525	(6,15,14)R-RS-2	*	50	43
	PLOT SCALE = 0.16666633" / in.		DATE = 10-14-2024	REVISED -				CONTRACT NO. 64R15				
	PLOT DATE = 10/14/2024		DATE = 10-14-2024	REVISED -				*WINNEBAGO & BOONE ILLINOIS FED. AID PROJECT				
SCALE:		SHEET 5	OF 12	SHEETS	STA.	TO STA.						

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT

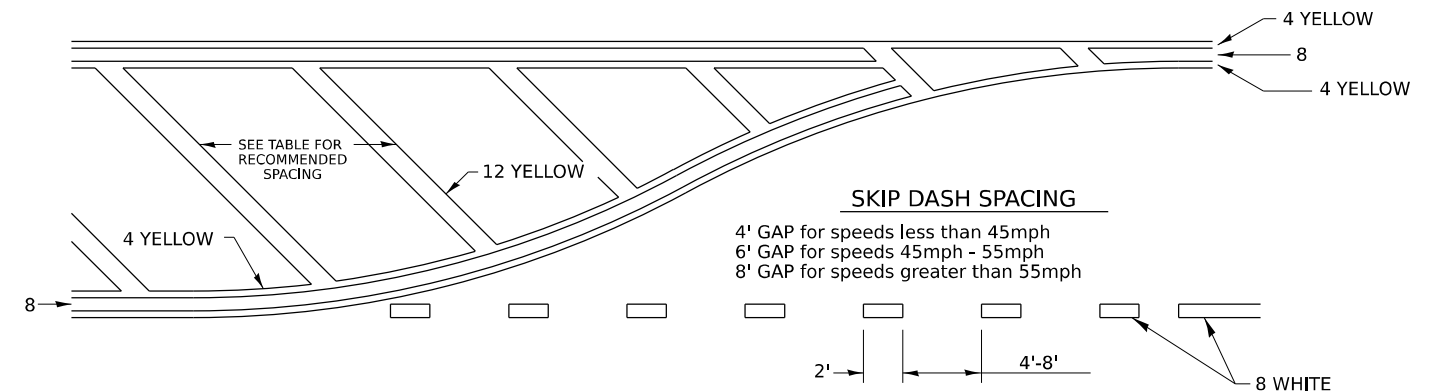


SYMBOLS

- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE NOTED.

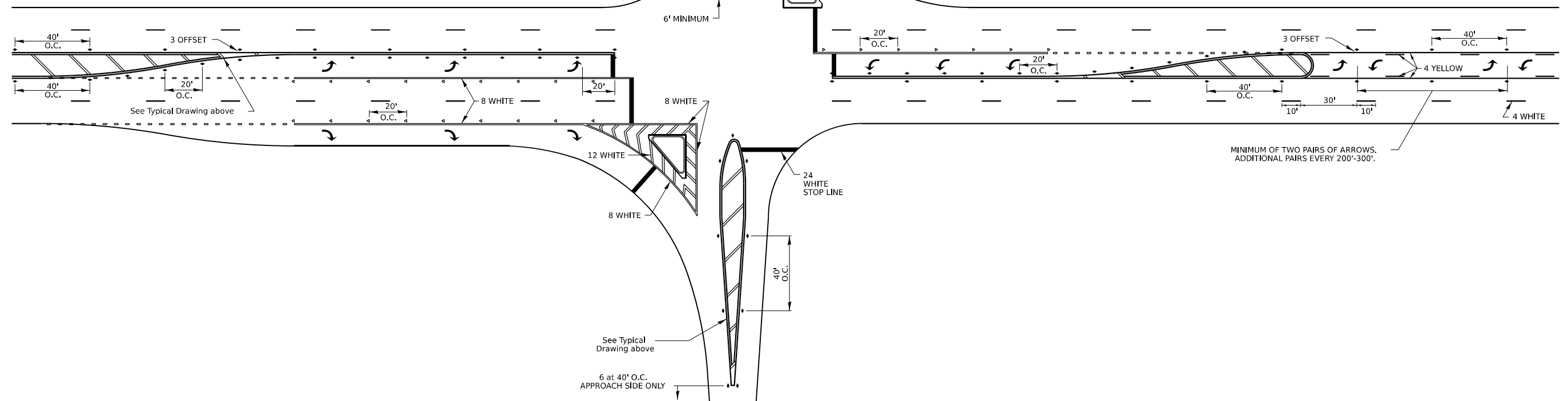
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

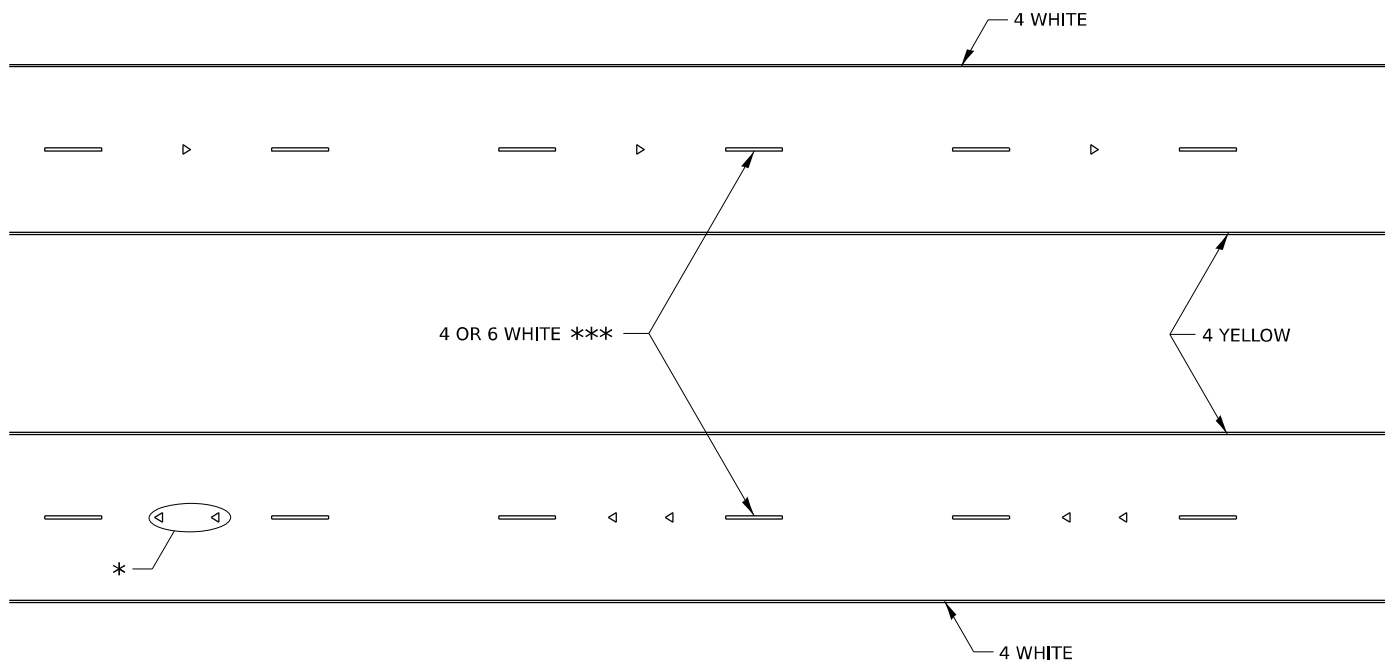
Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



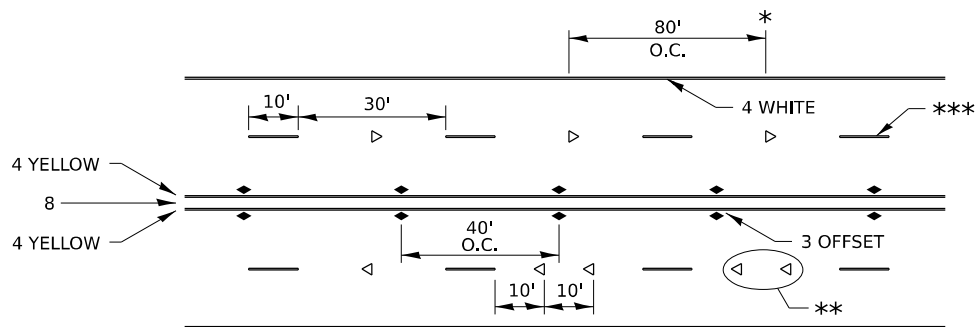
6-27-14
3-05-12

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT $\geq$ 20,000.

MULTI-LANE / DIVIDED



* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE
10 MPH LOWER THAN POSTED SPEEDS.

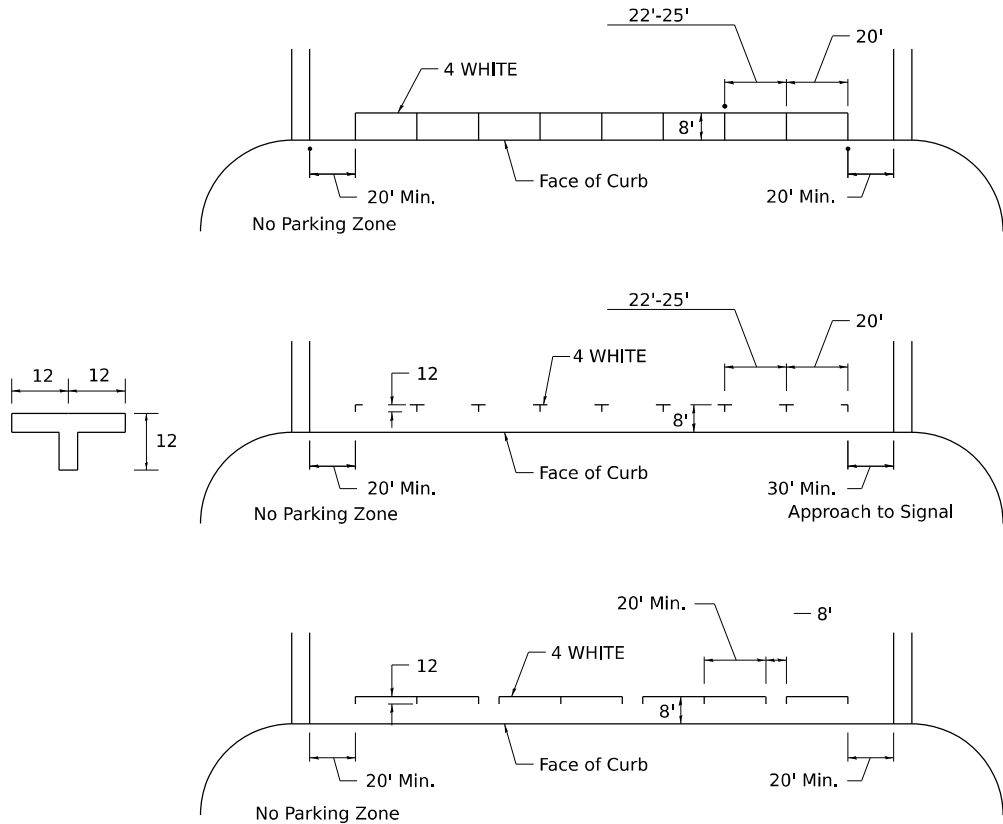
** USE DOUBLE MARKERS WHEN ADT $\geq$ 20,000

*** CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT
LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND
OVER USE 6" LINE.

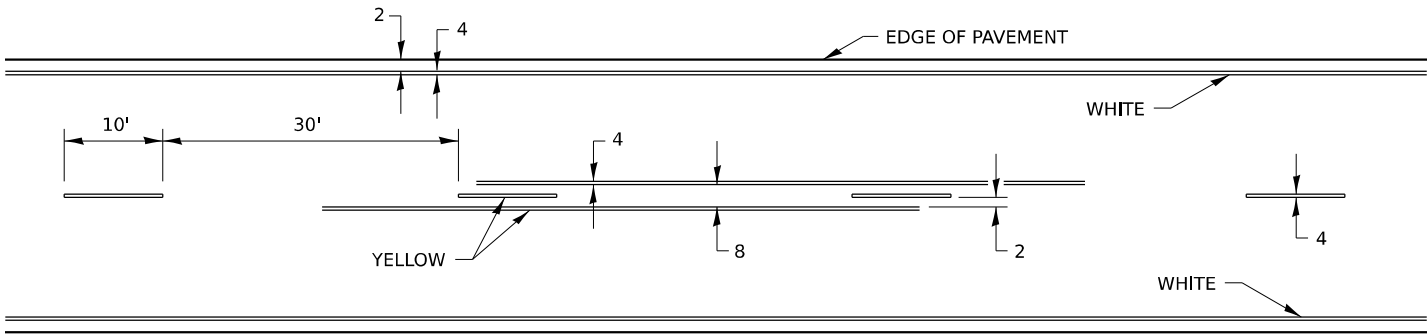
MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS
DETAIL NOT HIGHWAY STANDARD 781001)

TYPICAL PARKING SPACING



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



TYPICAL PAVEMENT MARKINGS SHEET 3 OF 4

41.1

MODEL DETAIL: S07
FILE NAME: (b:\projects\2023\149-2201-00-PTB-203-027 D2 Verbose Phase 1\Drawings\CAD_Sheets\0264815-shd-details-55.1.dgn

Prairie Engineers, P.C.  Prairie Engineers ENGINEERS SURVEYORS SCIENTISTS 404 N. Main Street Columbia, IL 62236 (217) 665-0403 www.prairieengineers.com professional design firm no. 1544005955 Copyright Prairie Engineers of Illinois, P.C., 2019	USER NAME = bbrennan	DESIGNED -	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD						F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633 ' / in.	DRAWN -	REVISED -		525	(6,15,14)R-RS-2	*	50	45						
	PLOT DATE = 10/14/2024	CHECKED -	REVISED -		CONTRACT NO. 64R15										
		DATE - 10-14-2024	REVISED -		*WINNEBAGO & BOONE ILLINOIS FED. AID PROJECT										
SCALE:		SHEET 7 OF 12 SHEETS			STA.		TO STA.								

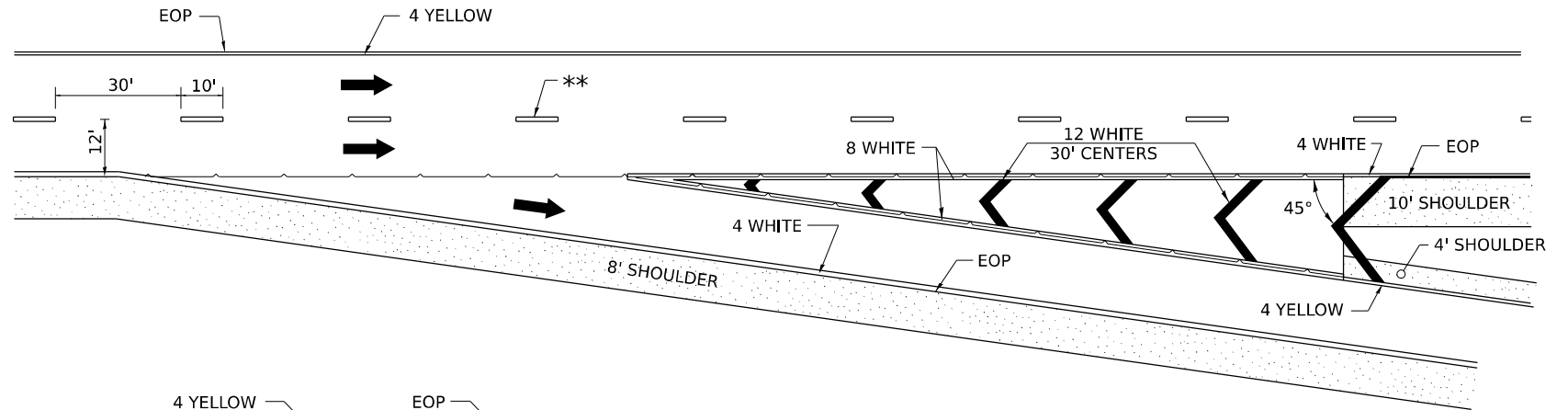
TYPICAL PAVEMENT MARKINGS

**** 6" WHITE ON INTERSTATES, WHERE THE SPEED LIMIT IS 65 MPH, OR WHEN DIRECTED BY THE ENGINEER.**

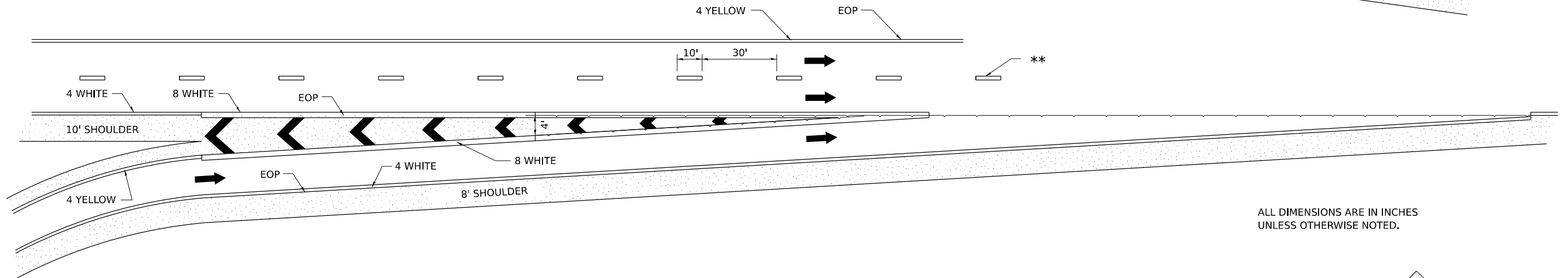
4" WIDE AT ALL OTHER LOCATIONS.

NOTE: GORE HATCHING PLACED ONLY
WHEN SCHEDULED IN THE PLANS

EXIT RAMP

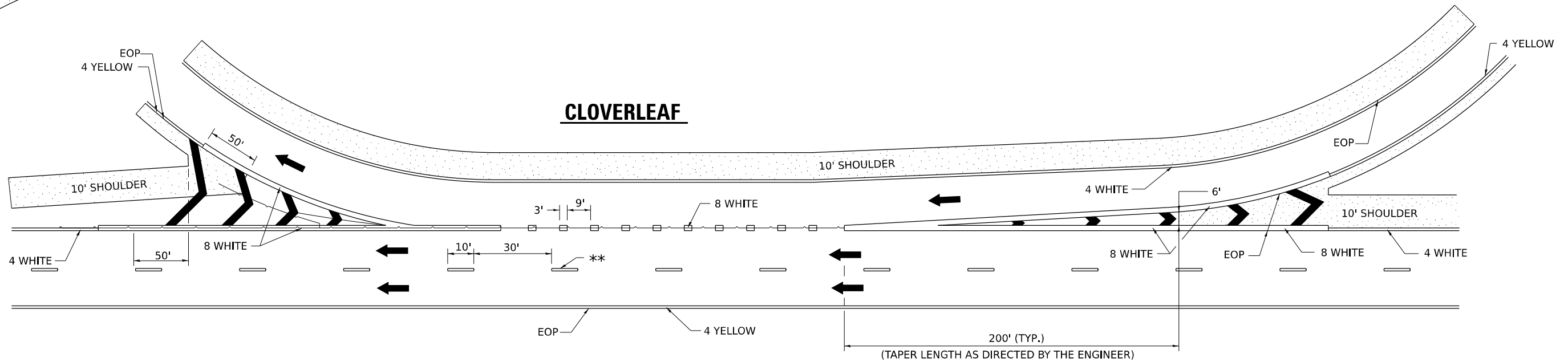


ENTRANCE RAMP



ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE NOTED.

CLOVERLEAF

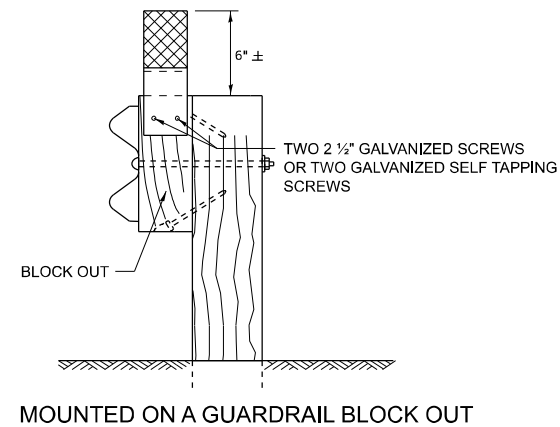
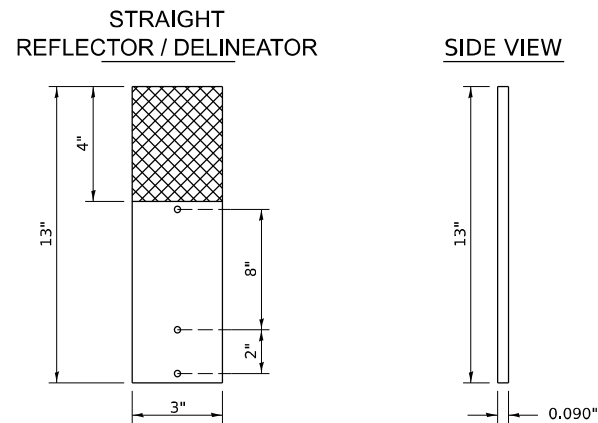


9-15-23
8-27-13
10-18-11

GUARDRAIL REFLECTORS, TYPE C (SPECIAL)

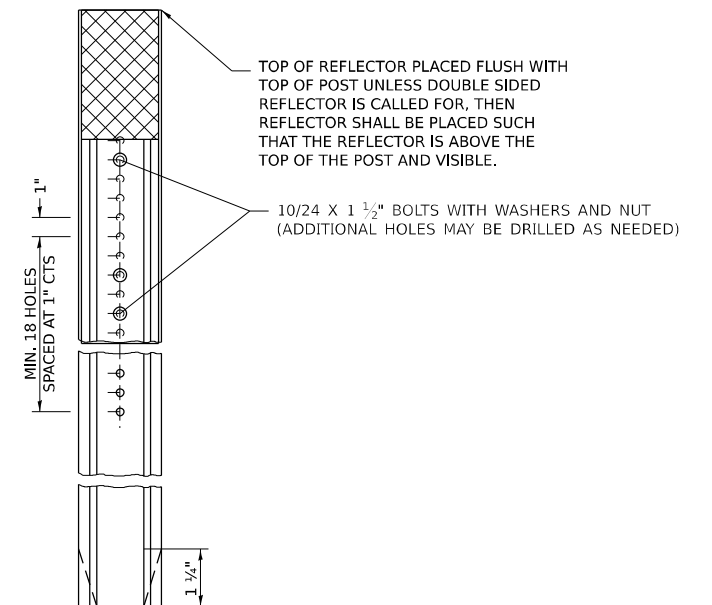
REFLECTORS FOR GUARDRAIL BLOCK OUT OR DELINEATOR POST

ADDITIONAL SHEETING MAY BE ADDED AS NEEDED
FOR TURN AROUNDS AS SHOWN IN THE PLANS

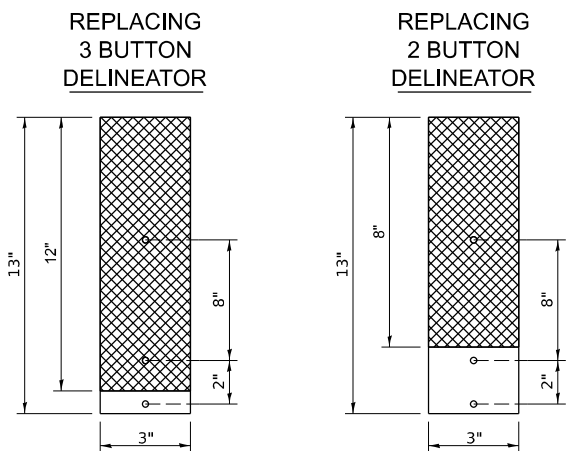


REFLECTORS SHALL BE MOUNTED DIRECTLY TO
BLOCK OUTS.

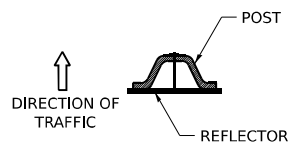
REFLECTORS MOUNTED ON WOODEN OR PLASTIC OR METAL
BLOCK OUT SHALL BE MOUNTED USING TWO 2 1/2" GALVANIZED SCREWS
WITH WASHERS OR TWO SELF TAPPING GALVANIZED SCREWS
WITH WASHERS.



MOUNTED ON A DELINEATOR POST



ADDITIONAL HOLES SHALL BE DRILLED IN THE REFLECTORS AS SHOWN ABOVE.



DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180° . THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE REFLECTOR ATTACHED AS SHOWN ABOVE.

NOTE:

REFLECTORS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR GUARDRAIL REFLECTORS, TYPE C (SPECIAL), WHICH PRICE SHALL ALSO INCLUDE SCREWS, WASHERS OR AN APPROVED BONDING AGENT.

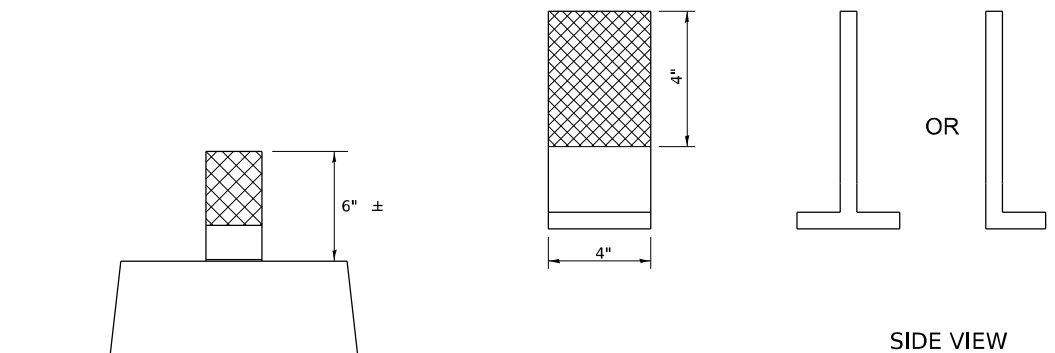
REFLECTORS INSTALLED ON TWO LANE ROADS SHALL BE DOUBLE SIDED
AND BOTH SIDES SHALL BE CRYSTAL.

REFLECTORS INSTALLED ON CENTER BARRIER OR IN THE MEDIAN SHALL BE DOUBLE SIDED AND BOTH SIDES SHALL BE AMBER.

REFLECTORS INSTALLED ON DIVIDED HIGHWAYS ON THE OUTSIDE OF THE ROADWAY SHALL BE DOUBLE SIDED CRYSTAL.

SPACING FOR REFLECTORS SHALL BE ACCORDING TO STANDARD 782006
UNLESS OTHERWISE NOTED IN THE PLANS.

3-07-24
4-27-23
6-21-21



NOTE:

REFLECTORS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR GUARDRAIL REFLECTORS, TYPE C (SPECIAL), WHICH PRICE SHALL ALSO INCLUDE SCREWS, WASHERS OR AN APPROVED BONDING AGENT.

REFLECTORS INSTALLED ON TWO LANE ROADS SHALL BE DOUBLE SIDED
AND BOTH SIDES SHALL BE CRYSTAL.

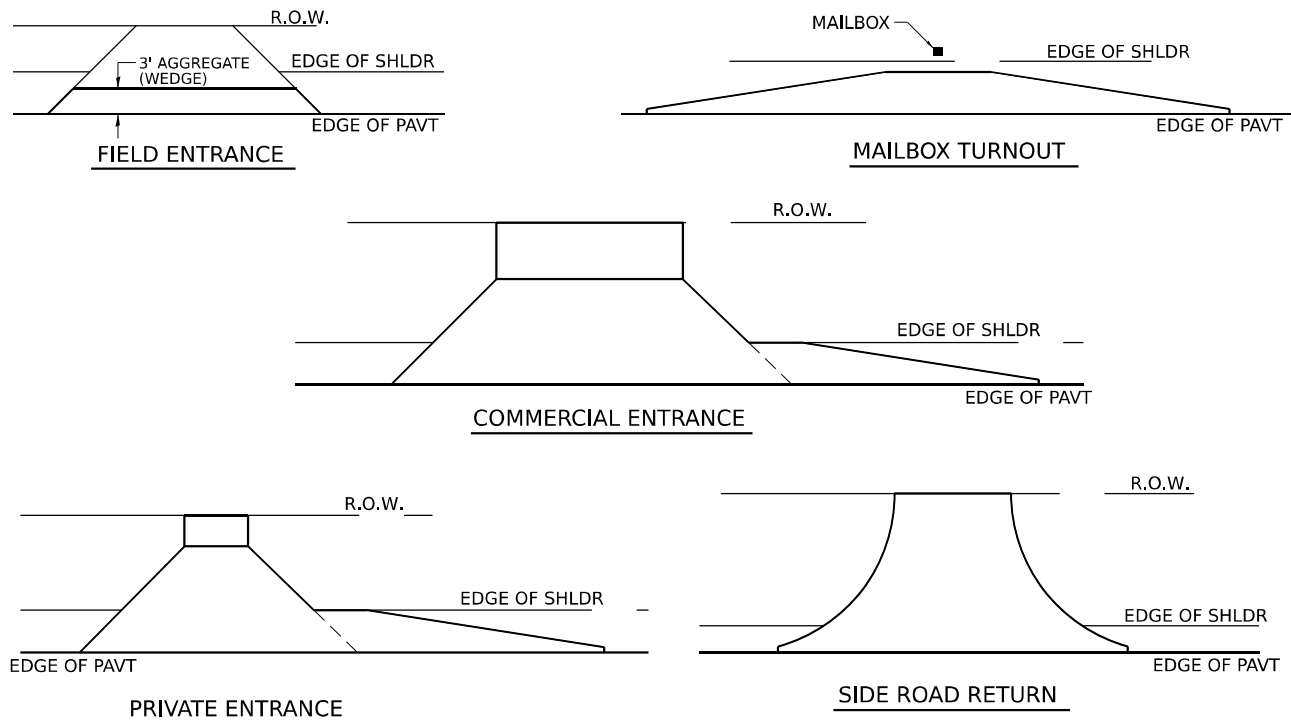
REFLECTORS INSTALLED ON CENTER BARRIER SHALL BE DOUBLE SIDE AND BOTH SIDES SHALL BE AMBER.

REFLECTORS INSTALLED ON DIVIDED HIGHWAYS ALONG THE OUSTIDE OF THE HIGHWAY SHALL BE DOUBLE SIDED CRYSTAL.

SPACING FOR REFLECTORS SHALL BE ACCORDING TO STANDARD 782006
UNLESS OTHERWISE NOTED IN THE PLANS.

REFLECTORS MOUNTED ON BARRIER WALL

HOT-MIX ASPHALT APPROACHES & MAILBOX RETURNS FOR SINGLE LIFT (SMART) RESURFACING PROJECTS

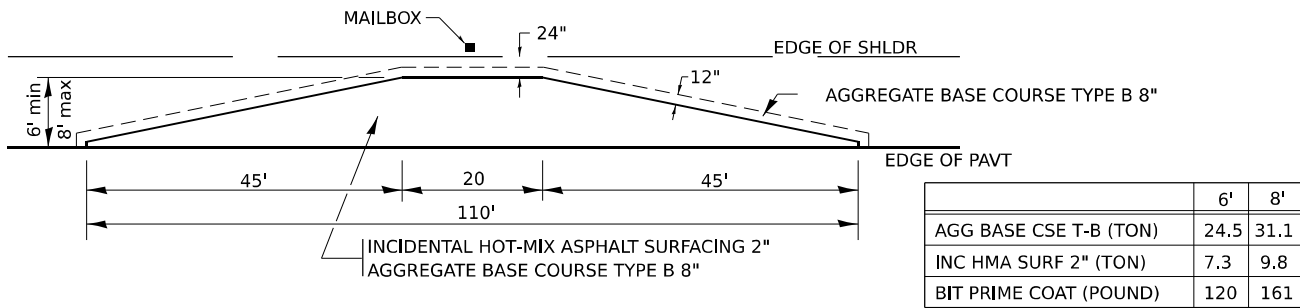


NOTE: EXISTING HMA PE's, CE's, SR's, & MB TURNOUTS
Place 1 1/2" Incidental Hot-Mix Asphalt Surfacing on entrance to conform to the existing configuration.

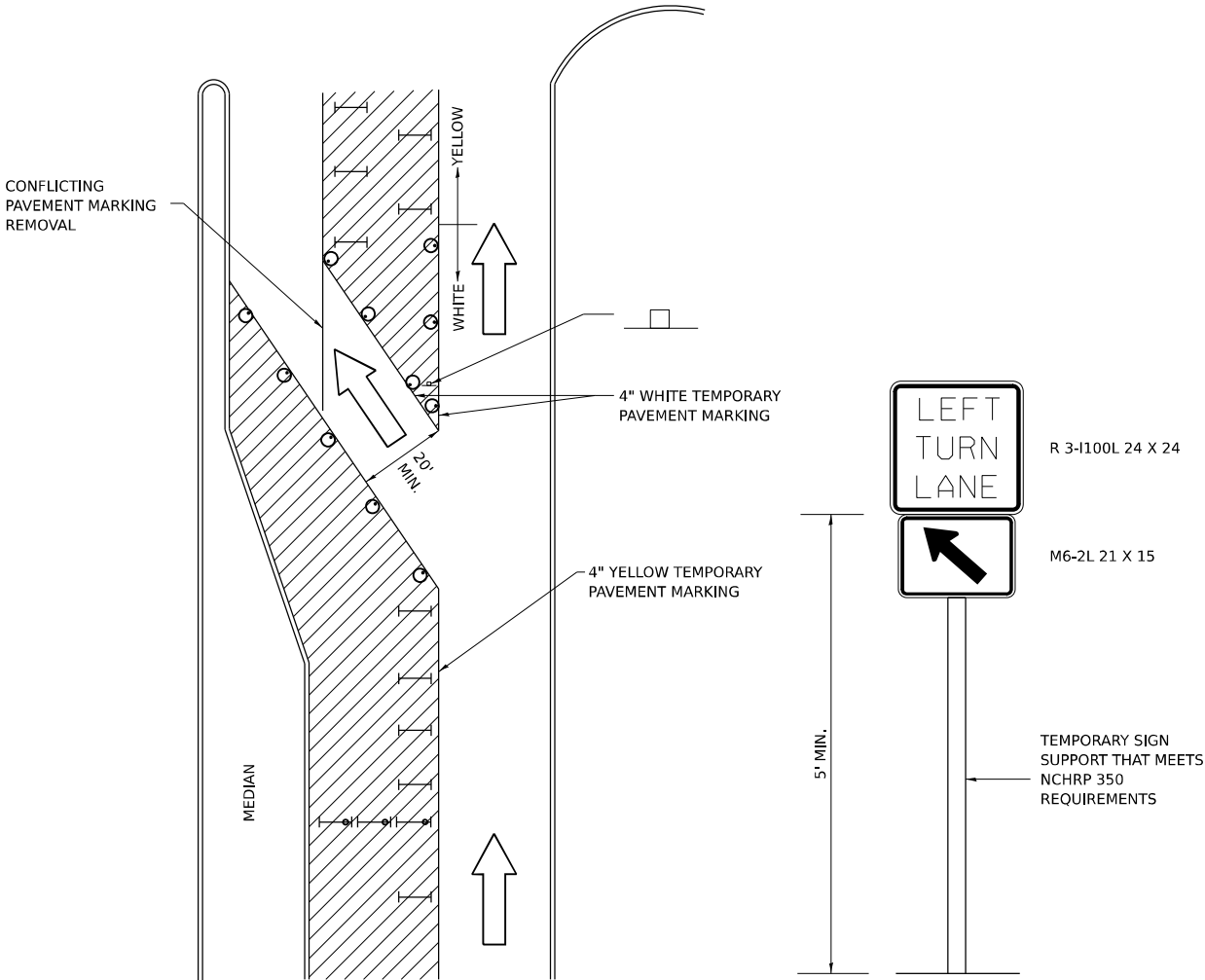
EXISTING AGG. PE's & CE's
Place 2" Incidental Hot-Mix Asphalt Surfacing on existing entrance to conform to the present configuration.

EXISTING AGG. SIDEROADS
Place 3" Incidental Hot-Mix Asphalt Surfacing on sideroad to conform to the present configuration.

EXISTING AGG. MAILBOX TURNOUTS
Existing Agg. Mailbox Turnouts shall be constructed as shown below.



TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)



LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE OR DRUM WITH FLASHING BURNING LIGHT
- DRUM OR BARRICADE WITH STEADY BURN LIGHT
- SIGN (SEE DETAIL)
- TYPE I OR II CHECK BARRICADE WITH STEADY LIGHT BURN

GENERAL NOTES

CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 IN HEIGHT.

STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS WILL BE MONODIRECTIONAL.

TEMPORARY PAVEMENT MARKING SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.

THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 X 24 AND M6-2R 21 X 15 SHALL BE USED.

THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

CATCH BASIN OR INLETS TO BE ADJUSTED OR RECONSTRUCTED (DETAILS FOR CURB & GUTTER REPLACEMENT)

CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 606 OF THE STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, STANDARD 606001 AND THIS DRAWING.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT. A HOLE 1-1/2 IN DIAMETER AND 9" DEEP SHALL BE DRILLED IN THE EXISTING CONCRETE CURB AS SHOWN. A 1-1/4 X 18 SMOOTH DOWEL BAR SHALL BE GROUTED IN THE HOLE LONGITUDINALLY.

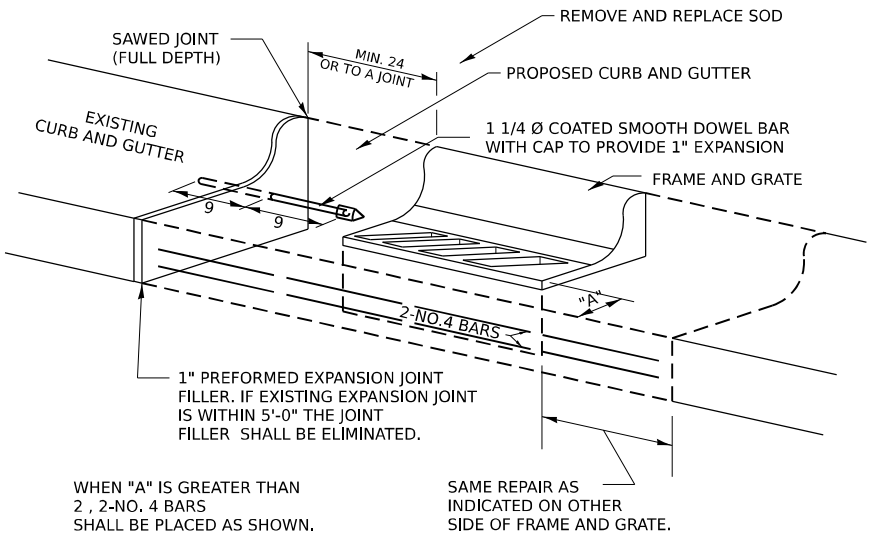
JOINTS OF A TYPE SIMILAR TO THAT IN THE UNDERLYING PAVEMENT (EXPANSION OR CONTRACTION) SHALL BE INSTALLED IN THE CONCRETE CURB IN ALIGNMENT WITH THE JOINTS IN THE PAVEMENT.

THE PROPOSED CONFIGURATION OF THE CURB AND GUTTER SHALL MATCH THAT REMOVED.

THE LOCATION OF THE DOWEL BAR SHALL BE DETERMINED BY THE ENGINEER.

ALL EXISTING TIE BARS IN EDGE OF PAVEMENT SLAB THRU REPLACEMENT AREA SHALL BE CUT OFF.

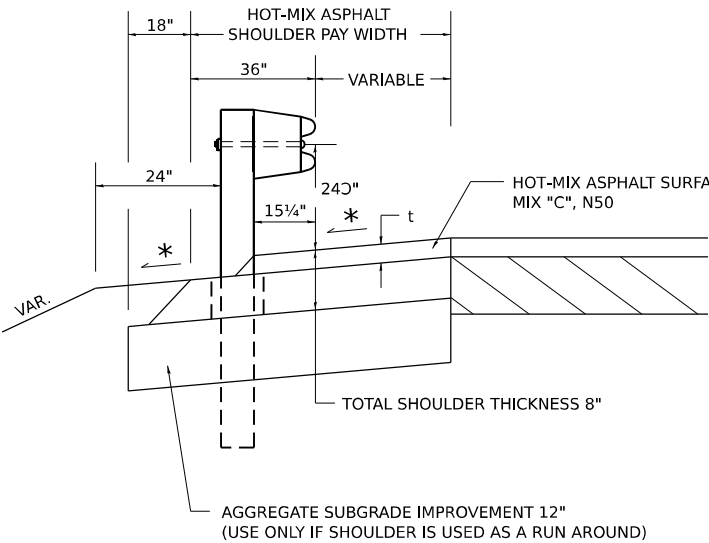
THE WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS AND INCLUDES THE REMOVAL AND REPLACEMENT OF SOD, CONCRETE PAVEMENT AND/OR CURB AND GUTTER ADJACENT TO CATCH BASINS OR INLETS TO BE ADJUSTED OR RECONSTRUCTED AND SHALL BE INCLUDED IN THE PAY ITEM OF CATCH BASINS OR INLETS TO BE ADJUSTED OR RECONSTRUCTED AS SPECIFIED.



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

CATCH BASIN OR INLETS TO BE ADJUSTED OR RECONSTRUCTED 17.4

DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARDRAIL



t = SEE TYPICAL SECTIONS FOR THICKNESS

GENERAL NOTES

THE TOP LIFT SHALL NOT BE PLACED BEHIND THE GUARDRAIL POSTS. WHEN PLACING THE TOP LIFT THE RAIL MUST BE REMOVED FROM THE POSTS. THE POST SHALL NOT BE REMOVED. THE RAIL ELEMENT SHALL BE REINSTALLED WITHIN 72 HOURS OF THE COMPLETION OF THE SURFACE COURSE.

THE HEIGHT OF THE GUARDRAIL SHALL BE SET 24 3/8" FROM THE FINISHED SURFACE.

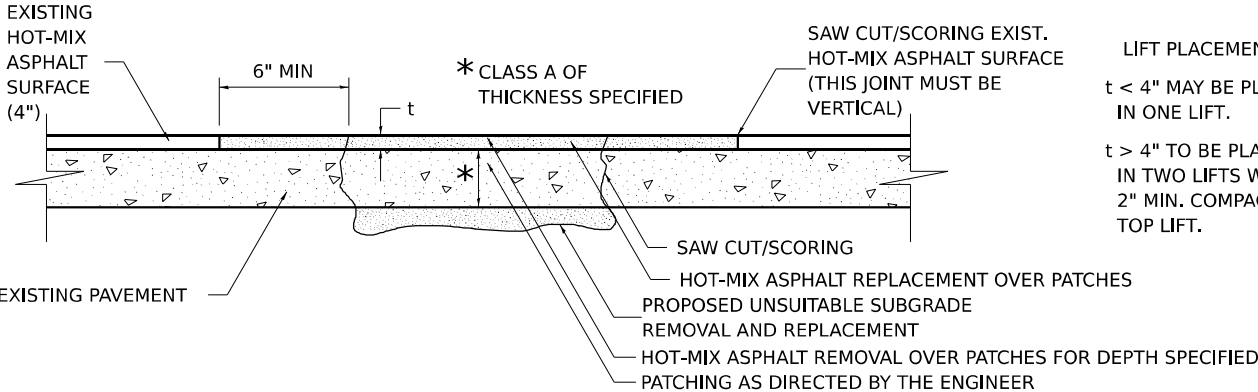
THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED. THE REMOVAL & REINSTALLATION OF THE GUARDRAIL WILL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50.

* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATED SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

REVISED - 1-05-16
REVISED - 6-27-14
REVISED - 8-27-13
3-13-13
REVISED -

DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARDRAIL 23.4

PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT



SEQUENCE OF CONSTRUCTION:

1. REMOVE THE EXISTING HOT-MIX ASPHALT SURFACE.
2. RESIDENT ENGINEER WILL DETERMINE IF LOCATION IS TO BE PATCHED OR TO ONLY REPLACE HOT-MIX ASPHALT SURFACE.
3. REMOVE AND REPLACE FULL DEPTH PATCHES AT LOCATIONS DIRECTED BY THE ENGINEER.
4. REPLACE HOT-MIX ASPHALT SURFACE OVER FULL DEPTH PATCHES AND AT LOCATIONS OF HOT-MIX ASPHALT SURFACE REMOVAL.

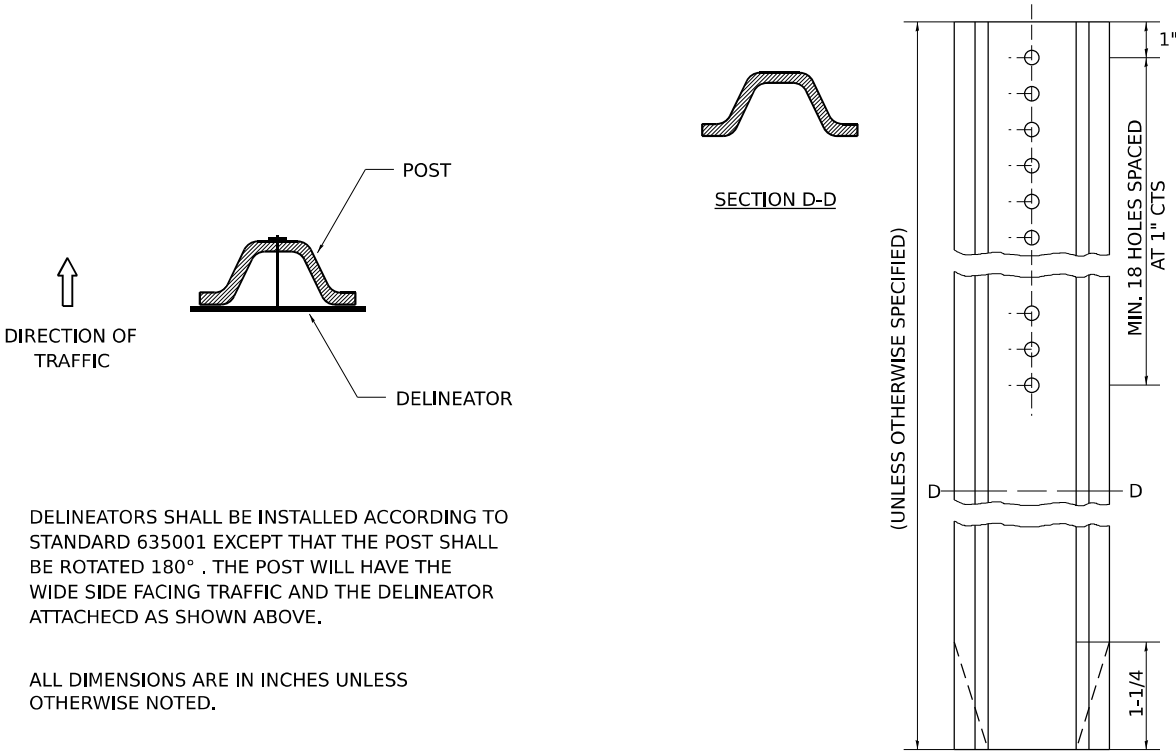
GENERAL NOTES:

1. FOR BASIS OF PAYMENT: SEE THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT 32.4

DELINEATOR AND POST ORIENTATION



DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

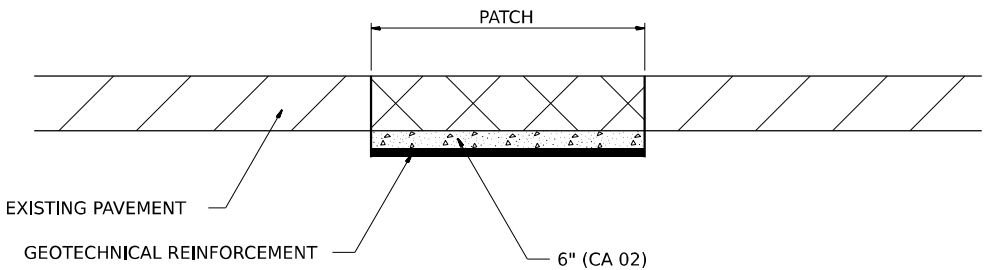
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

DELINEATOR AND POST ORIENTATION 37.4

MODEL: DETAILS-11
FILE: NAME: 0303202149.2201.00_PTB_203-027 D2_Verbose Phase 1 JUVWork Order BDrawingsCAD_SheetsD264815-shd-details-55.1.dgn

Prairie Engineers, P.C. 404 N. Main Street Columbia, IL 62236 (217) 655-0403 www.prairieengineers.com professional design firm no. 1544005955 © Copyright Prairie Engineers of Illinois, P.C. 2018	USER NAME = bbrennan	DESIGNED -	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		525	(6,15,14)R-RS-2	*	50	49					
	PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -		CONTRACT NO. 64R15									
	PLOT DATE = 10/14/2024	DATE = 10-14-2024	REVISED -											
	SCALE:		SHEET 11		OF 12	SHEETS	STA.	TO STA.						

SUBGRADE REPLACEMENT



NOTES:

THE CA 02 SHALL BE COMPACTED IN A MANNER APPROVED BY THE ENGINEER. IF THE MOISTURE CONTENT OF THE MATERIAL IS SUCH THAT COMPACTION SATISFACTORY TO THE ENGINEER CANNOT BE OBTAINED, SUFFICIENT WATER SHALL BE ADDED SO THAT SATISFACTORY COMPACTION CAN BE OBTAINED.

THE CA 02 SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CU YD FOR AGGREGATE SUBGRADE IMPROVEMENT WHICH SHALL ALSO INCLUDE ALL EARTH EXCAVATION.

THE GEOTECHNICAL REINFORCEMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ YD FOR GEOTECHNICAL REINFORCEMENT.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 3-13-13

SUBGRADE REPLACEMENT 97.4

MODEL DETAIL.S-12
FILE NAME: h:\projects\2023\149-2201.00-PTB-203-027-D2-Verbois-Phase 1\JWork-Order-B\Drawings\CAD_Sheets\0264815-shd-details-55.1.dgn