

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	4Q(W,RS)	VERMILION	66	1
		ILLINOIS	CONTRACT NO. 90392	

*FAS 508/FAU 7015

P-95-002-22

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NOS. 3-7

TRAFFIC DATA

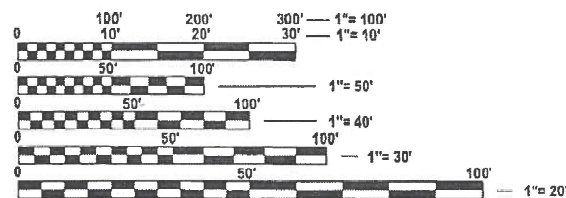
	FAS 508/ Leg "A" FAU 7015
2023 ADT =	725
2033 ADT =	750
2043 ADT =	800
2043 AM DHV =	65
2043 PM DHV =	85
P.U. & P.C.% =	93.7
(Bus, 6T, & 3A)SU% =	4.1
(All Semi)MU% =	2.2
ADT Max. Dir. Dist. =	55%
Truck Rte. Class. =	No
N.H.S. Route (?) =	No
Functional Class. =	Maj. Collector

**PROPOSED
HIGHWAY PLANS**
FAS ROUTE 508 / FAU ROUTE 7015 (WESTVILLE RD)
SECTION 40(W,RS)
PROJECT STP-19X8(002)
DESIGNED OVERLAY
VERMILION COUNTY
CATLIN/INDIANOLA RD TO 0.3 MI
W OF US 150 IN WESTVILLE
C-95-016-22

FAU 7015 SECTION 40(W,RS)
ENDS STA 36+40

FAS 508 SECTION 40(W,RS)
BEGINS STA 0+06.95

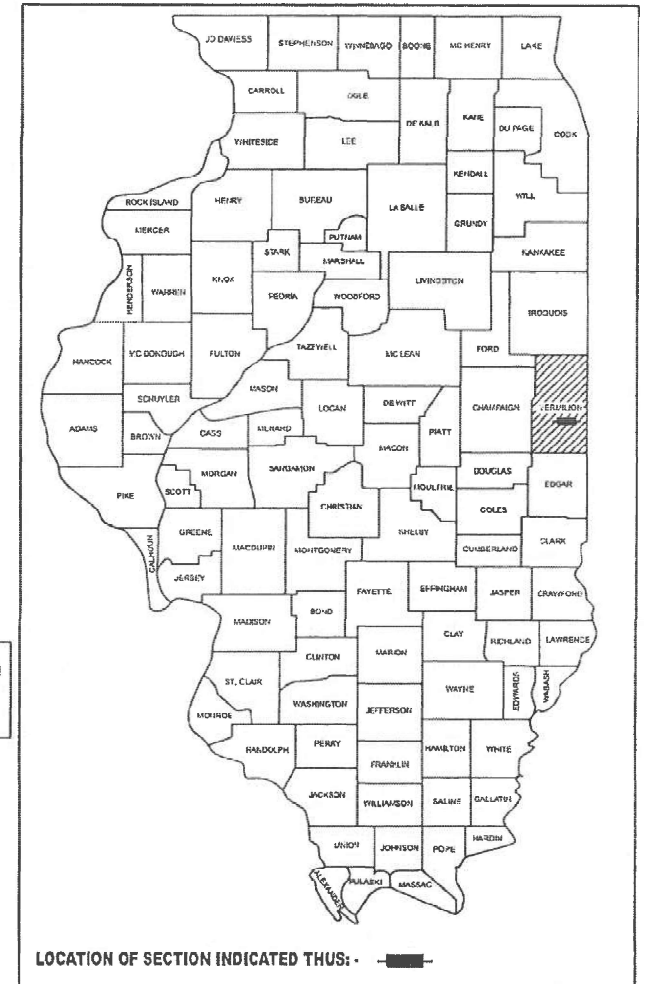
TOWNSHIPS
CATLIN, GEORGETOWN



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, PE
PROJECT MANAGER - JASON GOBLE
PHONE: (217) 465-4181
CONTRACT NO. 90392



LOCATION OF SECTION INDICATED THIS: [Symbol]

FAS 508 END STA 118+71.96 BK
FAU 7015 BEGIN STA 0+00 AH

GROSS LENGTH = 15503.65 FT. = 2.94 MILES
NET LENGTH = 15503.65 FT. = 2.94 MILES



Drew S. Ruholl 1/30/24
DREW S. RUHOLL DATE
LICENSE EXPIRES 11-30-25

BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
1970 WEST LAFAYETTE AVE.
JACKSONVILLE, IL 62650
PHONE: 217-245-4146 FAX: 217-245-4149
IL DESIGN FIRM REGISTRATION NO. 184-000852

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *Feb 1 20 24*
Fremiel A. Charnett Gans
REGIONAL ENGINEER

March 22, 2024
John A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

March 22, 2024
Steph M. Smith
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-10	PAVEMENT JOINTS
424001-11	PERPENDICULAT CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD, STRIPS/SHLDS, WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-RD OPERATIONS, 22, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L 2W, 15' TO 24" 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, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001-01	CURB REFLECTORS

COMMITMENTS

NONE

GENERAL NOTES

G.N.-105,09A
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-406H
THE FOLLOW MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION(S):	Westville Rd	Westville Rd	Westville Rd	Westville Rd
MIXTURE USE(S):	Mainline Surface	Mainline Binder FG	Class D Patches	Incidental
AC/PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50
MIXTURE COMP (GRADATION)	IL 9.5	IL 9.5 FG	IL 19.0	IL 9.5
FRICTION AGGREGATE	Mix C	N.A.	N.A.	Mix C
MIXTURE WEIGHT	112	112	112	112
QUALITY MANAGEMENT PROGRAM	QCP	QCP	QC/QA	QC/QA
SUBLOT SIZE	1000	1000	3000	3000
MATERIAL TRANSFER DEVICE	NO	NO	NO	NO

G.N.-406S
THE FOLLOWING TABLE IS A LISTING OF POSTED SPEED LIMITS WITHIN THE PROJECT LIMITS. THE ENGINEER SHALL FIELD VERIFY THESE LIMITS:

STA.	TO	STA.	SPEED LIMIT (MPH)
0+06.95	TO	118+71.98	55
0+00.00	TO	18+70.00	55
18+70.00	TO	35+40.00	35

G.N.- 542B
ALL THE ENTRANCE CULVERT LENGTHS SHOWN IN THE PLANS WERE CALCULATED WITH THE ASSUMPTION THAT METAL PIPES AND METAL END SECTIONS WOULD BE USED.

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.

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PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES
WESTVILLE RD

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	56	2
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

*FAS 508/FAU 7015 •

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				RURAL 2-LANE / MAJOR COLLECTOR / VERMILION COUNTY	
				80% FED/20% STATE FAS 508 0+06.95 TO 118+63.65	80% FED/20% STATE FAU 7015 0+00 TO 35+40
				0005	0005
				URBAN	URBAN
20200100	EARTH EXCAVATION	CU YD	115	0	115
20900110	POROUS GRANULAR BACKFILL	CU YD	1	0	1
21400100	GRADING AND SHAPING DITCHES	FOOT	335	0	335
25000210	SEEDING, CLASS 2A	ACRE	0.25	0	0.25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	6	0	6
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	6	0	6
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	6	0	6
25100115	MULCH, METHOD 2	ACRE	0.25	0	0.25
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	6	0	6
28000305	TEMPORARY DITCH CHECKS	FOOT	10	0	10
28000500	INLET AND PIPE PROTECTION	EACH	3	0	3
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	1618	746	872
35400500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	SQ YD	176	0	176
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	124	42	82

* DENOTES SPECIAL PAY ITEM



USER NAME = rshaw
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DESIGNED - DSR
 DRAWN - DSR
 CHECKED - WJS
 DATE - JANUARY 24, 2024

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 WESTVILLE RD**

SCALE: 1"=50' SHEET 1 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	3
			CONTRACT NO. 90392	
		ILLINOIS	FED. AID PROJECT	

*FAS 508/FAU 7015

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* DENOTES SPECIAL PAY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				RURAL 2-LANE / MAJOR COLLECTOR / VERMILION COUNTY	
				80% FED/20% STATE FAS 508 0+06.95 TO 118+63.65	80% FED/20% STATE FAU 7015 0+00 TO 35+40
				0005	0005
				URBAN	URBAN
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	106	28	78
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	23188	18406	4782
40600370	LONGITUDINAL JOINT SEALANT	FOOT	46215	35595	10620
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	466	369	97
40600990	TEMPORARY RAMP	SQ YD	1295	795	500
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	TON	3572	3002	570
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	3535	2703	832
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	3076	1406	1670
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	610	377	233
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	339	198	141
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	35	0	35
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	151	0	151
* 42400800	DETECTABLE WARNINGS	SQ FT	16	0	16
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	35291	27248	8043

USER NAME = druholl	DESIGNED - DSR	REVISED -
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	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 WESTVILLE RD**

SCALE: 1"=50' SHEET 2 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	4
			CONTRACT NO. 90392	
		ILLINOIS	FED. AID PROJECT	

*FAS 508/FAU 7015

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				RURAL 2-LANE / MAJOR COLLECTOR / VERMILION COUNTY	
				80% FED/20% STATE FAS 508 0+06.95 TO 118+63.65	80% FED/20% STATE FAU 7015 0+00 TO 35+40
				0005 URBAN	0005 URBAN
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	86	0	86
44000600	SIDEWALK REMOVAL	SQ FT	132	0	132
44201796	CLASS D PATCHES, TYPE 1V, 12 INCH	SQ YD	183	183	0
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	704	562	142
50104400	CONCRETE HEADWALL REMOVAL	EACH	6	0	6
50105220	PIPE CULVERT REMOVAL	FOOT	54	0	54
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	25	0	25
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	33	0	33
542D5470	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 15"	FOOT	25	0	25
54260515	SLOPED METAL END SECTION, STANDARD 542411, 15", 1:6	EACH	2	0	2
54261712	STEEL FLARED END SECTIONS 12"	EACH	2	0	2
54261815	STEEL FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 15"	EACH	2	0	2
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1	0	1
60300405	VALVE BOX FRAMES TO BE ADJUSTED	EACH	2	0	2

* DENOTES SPECIAL PAY ITEM



BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 1700 WEST KIMMETER RD.
 JACKSONVILLE, IL 62650
 PHONE: 217-245-4145 FAX: 217-245-4149
 IL DESIGN FIRM REGISTRATION NO. 184-000852

USER NAME = druholl
PLOT SCALE = 0.16666633' / in.
PLOT DATE = 1/24/2024

DESIGNED - DSR	REVISD -
DRAWN - DSR	REVISED -
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DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 WESTVILLE RD**

SCALE: 1"=50' SHEET 3 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	5
			CONTRACT NO. 90392	
		ILLINOIS	FED. AID PROJECT	

*FAS 508/FAU 7015

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				RURAL 2-LANE / MAJOR COLLECTOR / VERMILION COUNTY	
				80% FED/20% STATE FAS 508 0+06.95 TO 118+63.65	80% FED/20% STATE FAU 7015 0+00 TO 35+40
				0005 URBAN	0005 URBAN
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6	6	0
67100100	MOBILIZATION	L SUM	1	0.8	0.2
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	0
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	0
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	2	3
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4084	3236	848
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	467	360	107
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	34014	26138	7876
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	202	167	35
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	115	115	0
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	28	28	0

* DENOTES SPECIAL PAY ITEM



BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 1070 WEST LAMAR BLVD.
 JACKSONVILLE, IL 62550
 PHONE: 217-244-4140 FAX: 217-244-4141
 IL DESIGN FIRM REGISTRATION NO. 184-000052

USER NAME = djuholl	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - DSR	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 WESTVILLE RD**

SCALE: 1"=50' SHEET 4 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	6
			CONTRACT NO. 90392	
		ILLINOIS	FED. AID PROJECT	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				RURAL 2-LANE / MAJOR COLLECTOR / VERMILION COUNTY	
				80% FED/20% STATE FAS 508 0+06.95 TO 118+63.65	80% FED/20% STATE FAU 7015 0+00 TO 35+40
				0005 URBAN	0005 URBAN
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	34014	26138	7876
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	202	167	35
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	115	115	0
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	28	28	0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	203	158	45
* 78200020	CURB REFLECTORS	EACH	9	9	0
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	11609	8966	2643
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL)	SQ YD	239	239	0
* XZ193400	SURVEY MARKER, TYPE 2 (SPECIAL)	EACH	16	6	10
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.4	0.6
Z0055300	RUMBLE STRIP	EACH	3	3	0
* Z0064505	SECTION CORNER MARKERS	EACH	1	1	0
* Z0070202	SURVEY MARKER VAULT	EACH	1	1	0

* DENOTES SPECIAL PAY ITEM



BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 3100 WOODLAND AVENUE
 JACKSONVILLE, IL 62550
 PHONE: 217-245-4146 FAX: 217-245-1189
 IL DESIGN FIRM REGISTRATION NO. 18-000552

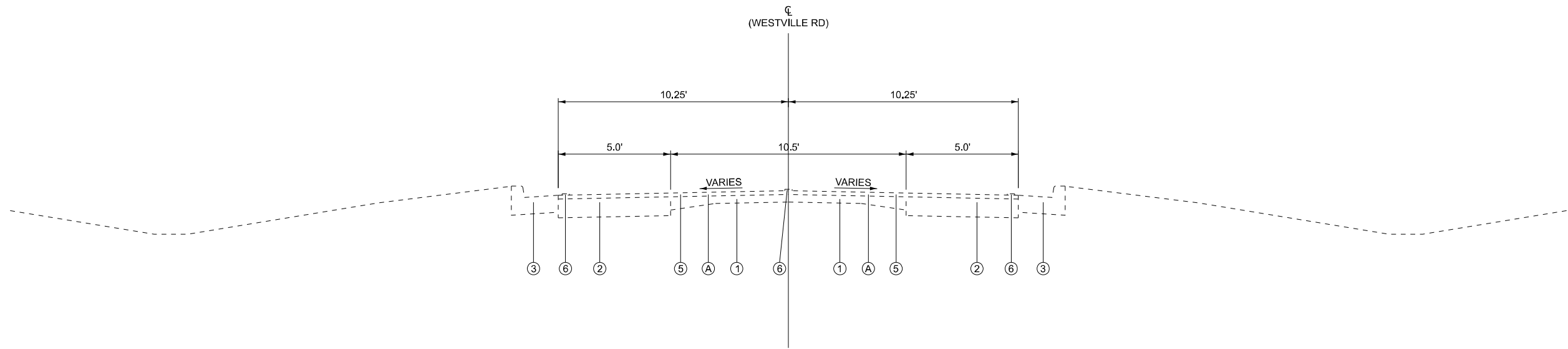
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
WESTVILLE RD			
SCALE: 1"=50'	SHEET 5	OF 5 SHEETS	STA. TO STA.

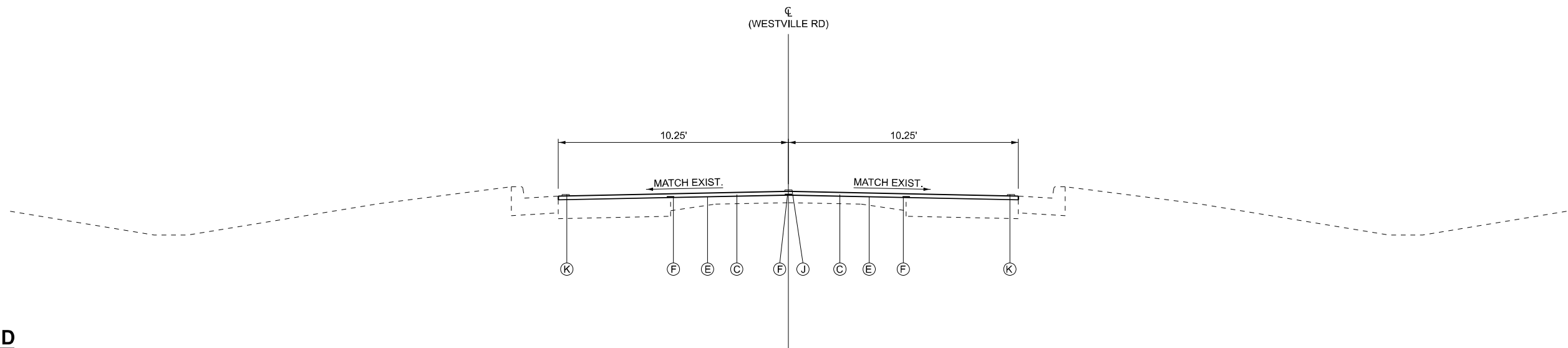
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*	40(W,RS)	VERMILION	66	7
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		ILLINOIS	FED. AID PROJECT	

*FAS 508/FAU 7015



EXISTING TYPICAL SECTION FAS 508 (WESTVILLE RD.) ①

STA. 0+06.95 TO STA. 0+90.33 ②



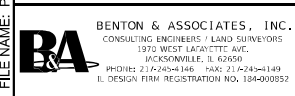
PROPOSED TYPICAL SECTION FAS 508 (WESTVILLE RD.) ①

STA. 0+06.95 TO STA. 0+90.33 ②

LEGEND

- ① EXISTING P.C.C. PAVEMENT 9"-6"-9"
- ② EXISTING P.C.C. WIDENING 10"
- ③ EXISTING CONCRETE CURB AND GUTTER TYPE B-6.18
- ④ EXISTING CONCRETE GUTTER
- ⑤ EXISTING HOT-MIX ASPHALT OVERLAY 2.0"
- ⑥ EXISTING PAVEMENT MARKING - LINE 4"
- ⑦ EXISTING AGGREGATE SHOULDER
- ⑧ EXISTING SIDEWALK
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2.0"
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "C", N50 (224 LB/SQ YD)
- ⑪ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "C", N50 (196 LB/SQ YD)
- ⑫ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL 9.5FG, N50 (224LB/SQ YD)
- ⑬ PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- ⑭ PROPOSED LONGITUDINAL JOINT SEALANT
- ⑮ PROPOSED PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"
- ⑯ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑰ PROPOSED EARTH EXCAVATION
- ⑱ PROPOSED PAINT PAVEMENT MARKING - LINE 4"
- ⑲ PROPOSED GRADING AND SHAPING DITCHES

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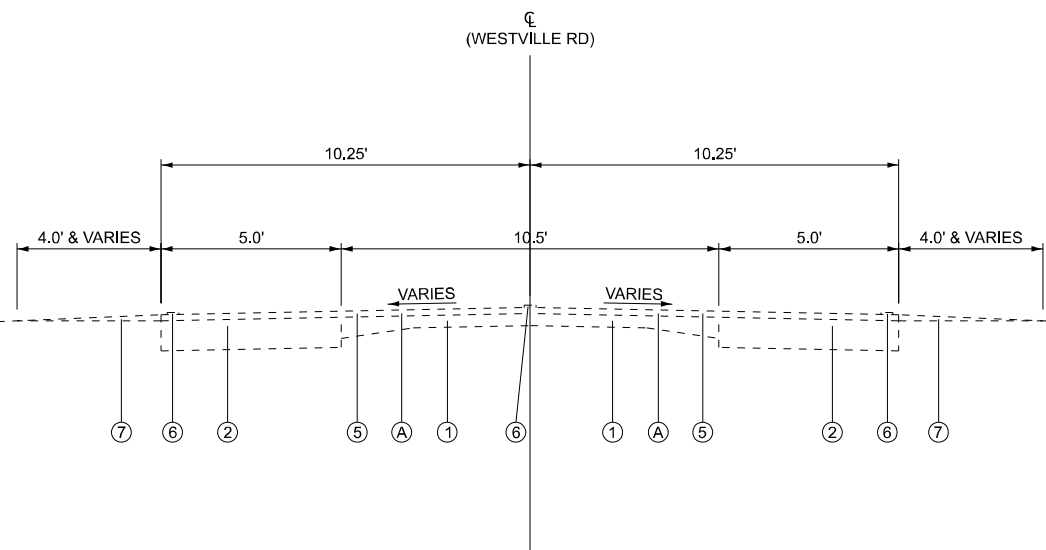


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PLOT SCALE = 0.16666633' / in.	DRAWN - DSR	REVISED -
PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

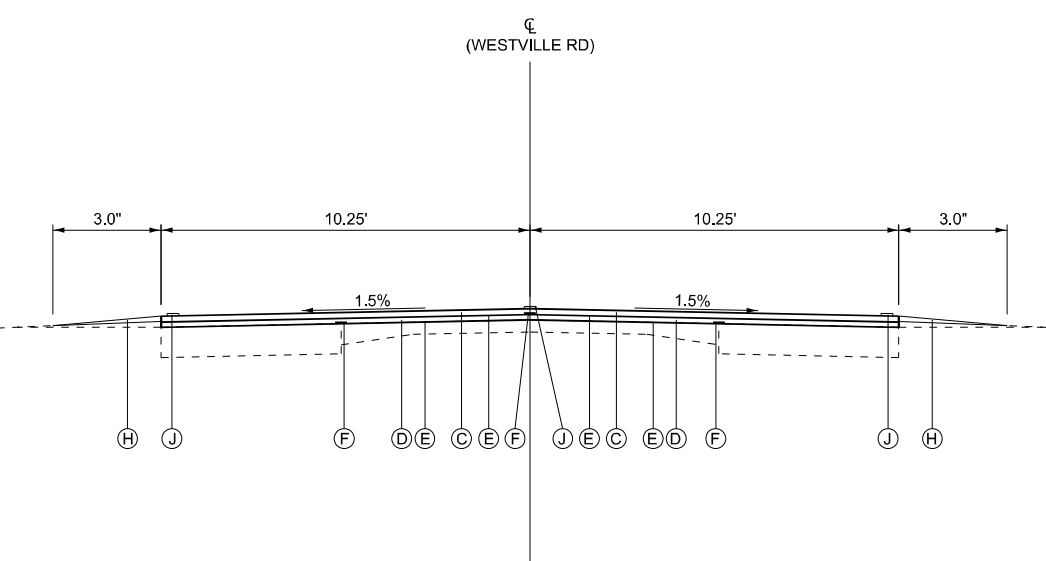
TYPICAL SECTIONS WESTVILLE RD			
SCALE: 1"=50'	SHEET 1	OF 5 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	68	8
CONTRACT NO. 90392				
		ILLINOIS	FED. AID PROJECT	



EXISTING TYPICAL SECTION FAS 508 / FAU 7015 (WESTVILLE RD.) ②

① STA. 0+90.33 TO STA. 118+71.96
 STA. 118+71.96 (BK) TO STA. 00+00.00 (AH) - STATION EQUATION
 STA. 00+00.00 TO STA. 19+25.00 ③



EXISTING TYPICAL SECTION FAS 508 / FAU 7015 (WESTVILLE RD.) ②

① STA. 0+90.33 TO STA. 118+71.96
 STA. 118+71.96 (BK) TO STA. 00+00.00 (AH) - STATION EQUATION
 STA. 00+00.00 TO STA. 19+25.00 ③

LEGEND

- ① EXISTING P.C.C. PAVEMENT 9"-6"-9"
- ② EXISTING P.C.C. WIDENING 10"
- ③ EXISTING CONCRETE CURB AND GUTTER TYPE B-6.18
- ④ EXISTING CONCRETE GUTTER
- ⑤ EXISTING HOT-MIX ASPHALT OVERLAY 2.0"
- ⑥ EXISTING PAVEMENT MARKING - LINE 4"
- ⑦ EXISTING AGGREGATE SHOULDER
- ⑧ EXISTING SIDEWALK
- Ⓐ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2.0"
- Ⓑ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "C", N50 (224 LB/SQ YD)
- Ⓒ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "C", N50 (196 LB/SQ YD)
- Ⓓ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL 9.5FG, N50 (224LB/SQ YD)
- Ⓔ PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- Ⓕ PROPOSED LONGITUDINAL JOINT SEALANT
- Ⓖ PROPOSED PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"
- Ⓗ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- Ⓘ PROPOSED EARTH EXCAVATION
- Ⓝ PROPOSED PAINT PAVEMENT MARKING - LINE 4"
- Ⓚ PROPOSED GRADING AND SHAPING DITCHES

MODEL: TYPICAL-2 (Sheet) FILE NAME: P:\2023\703-4 - 90392 Westville PS&E\90392 Section 40(W.RS)\CADD Sheets\90392-sh-typical.dgn



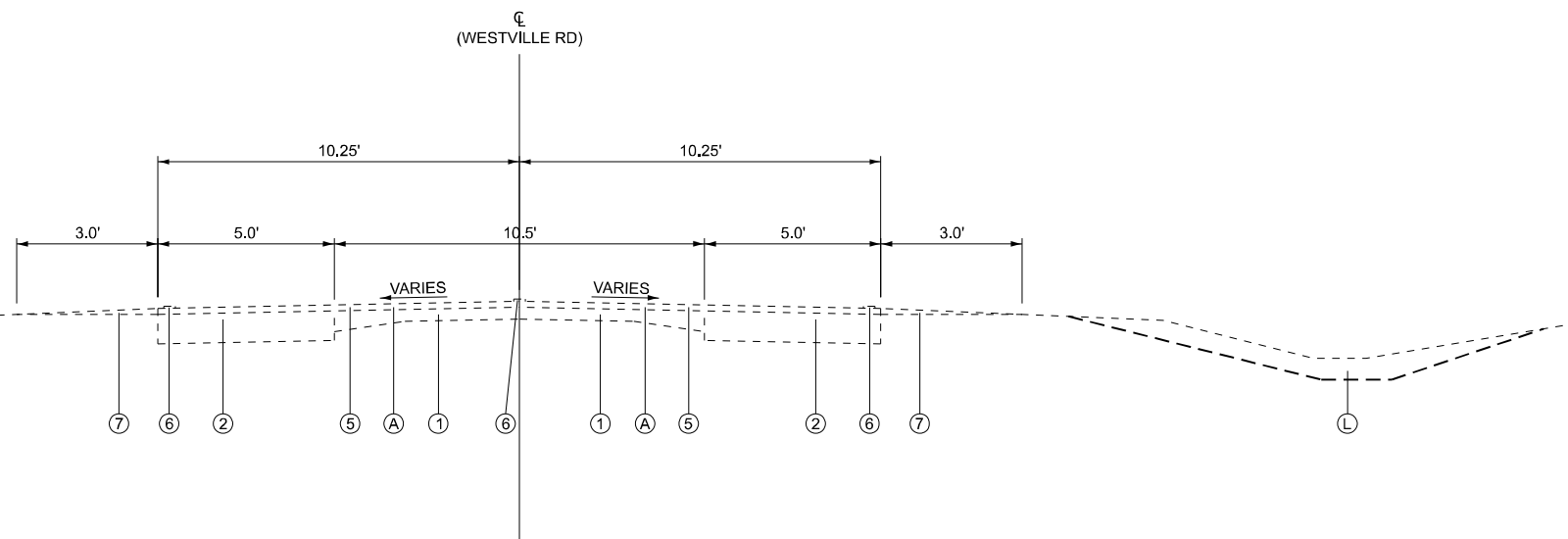
USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - DSR	REVISED -
PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
WESTVILLE RD**

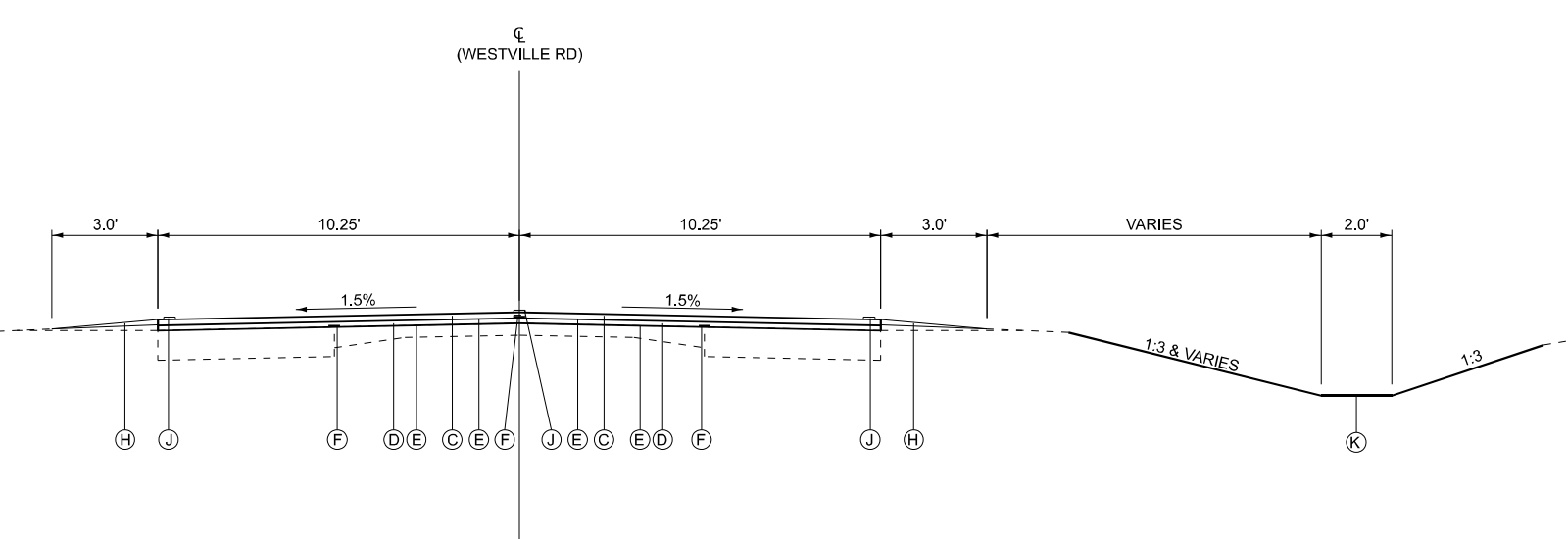
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	68	9
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION FAU 7015 (WESTVILLE RD.) 3

2 STA. 19+25.00 TO STA. 22+50.00 4



EXISTING TYPICAL SECTION FAU 7015 (WESTVILLE RD.) 3

2 STA. 19+25.00 TO STA. 22+50.00 4

LEGEND

- 1 EXISTING P.C.C. PAVEMENT 9"-6"-9"
- 2 EXISTING P.C.C. WIDENING 10"
- 3 EXISTING CONCRETE CURB AND GUTTER TYPE B-6.18
- 4 EXISTING CONCRETE GUTTER
- 5 EXISTING HOT-MIX ASPHALT OVERLAY 2.0"
- 6 EXISTING PAVEMENT MARKING - LINE 4"
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- 8 EXISTING SIDEWALK
- A PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2.0"
- B PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "C", N50 (224 LB/SQ YD)
- C PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "C", N50 (196 LB/SQ YD)
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- E PROPOSED BITUMINOUS MATERIALS (TACK COAT)
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- G PROPOSED PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"
- H PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- I PROPOSED EARTH EXCAVATION
- J PROPOSED PAINT PAVEMENT MARKING - LINE 4"
- K PROPOSED GRADING AND SHAPING DITCHES

MODEL: TYPICAL-3 (Sheet) FILE NAME: P:\2023\703-4 - 90392 Westville PS&E\90392 Section 40(W.RS)\CADD Sheets\90392-sh-typical.dgn

BA BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
1570 WEST SARKETTE AVE.
JACKSONVILLE, IL 62650
PHONE: 217-251-1166 FAX: 217-249-1189
PERSON FROM REGISTRATION NO. 18-000387

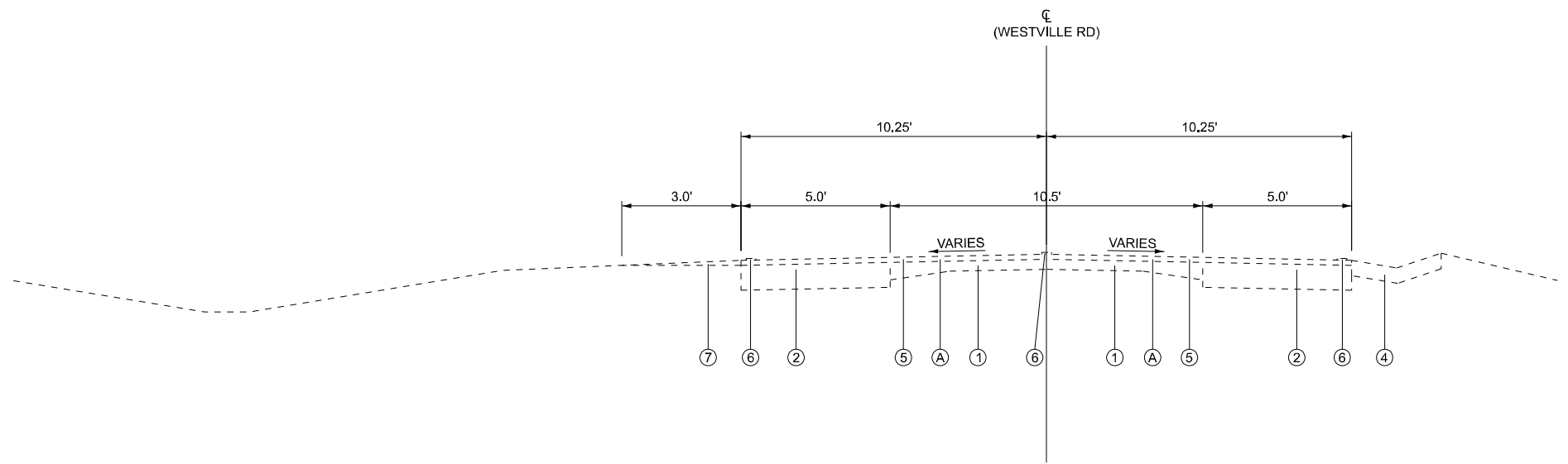
USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666633 1/ in.	DRAWN - DSR	REVISED -
PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
WESTVILLE RD**

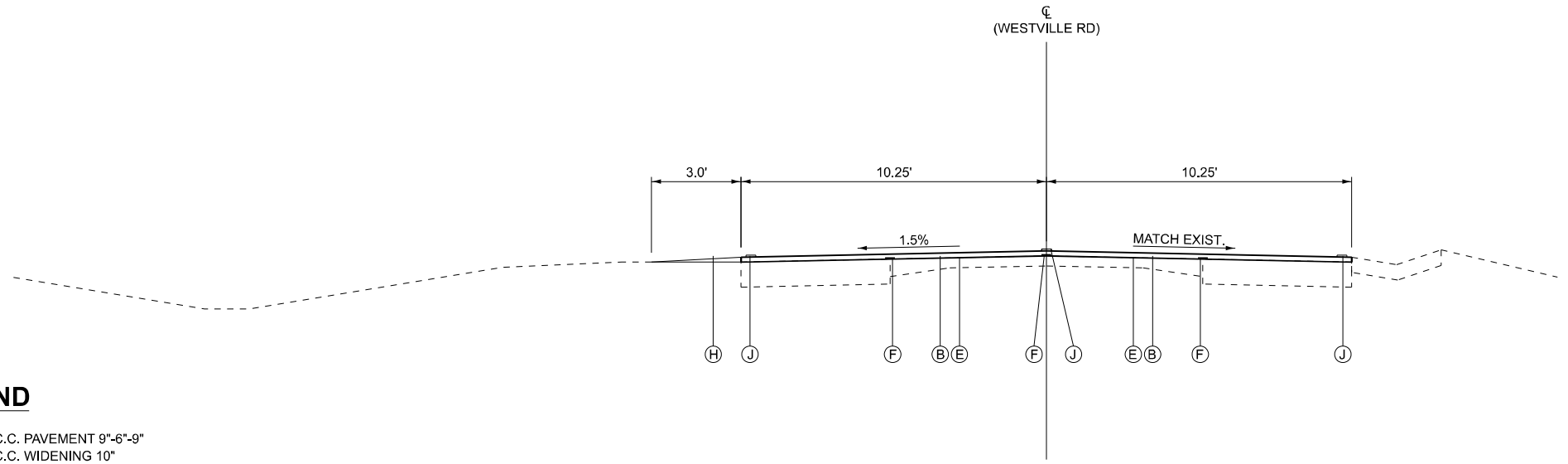
SCALE: 1"=50' SHEET 3 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	68	10
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION FAU 7015 (WESTVILLE RD.) 4

3 STA. 22+50.00 TO STA. 27+50.00 5



EXISTING TYPICAL SECTION FAU 7015 (WESTVILLE RD.) 4

3 STA. 22+50.00 TO STA. 27+50.00 5

LEGEND

- 1 EXISTING P.C.C. PAVEMENT 9"-6"-9"
- 2 EXISTING P.C.C. WIDENING 10"
- 3 EXISTING CONCRETE CURB AND GUTTER TYPE B-6.18
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MODEL: TYPICAL-4 (Sheet) FILE NAME: P:\2022\703-4 - 90392 Westville PS&E\90392 Section 40(W.RS)\CADD Sheets\90392-shr-typical.dgn

BA BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS - LAND SURVEYORS
1919 WEST LAFAYETTE AVE.
JACKSONVILLE, IL 62656
PHONE: 217-245-4166 FAX: 217-245-4149
IL LICENSE # 001188888

USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666833' / in.	DRAWN - DSR	REVISED -
PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
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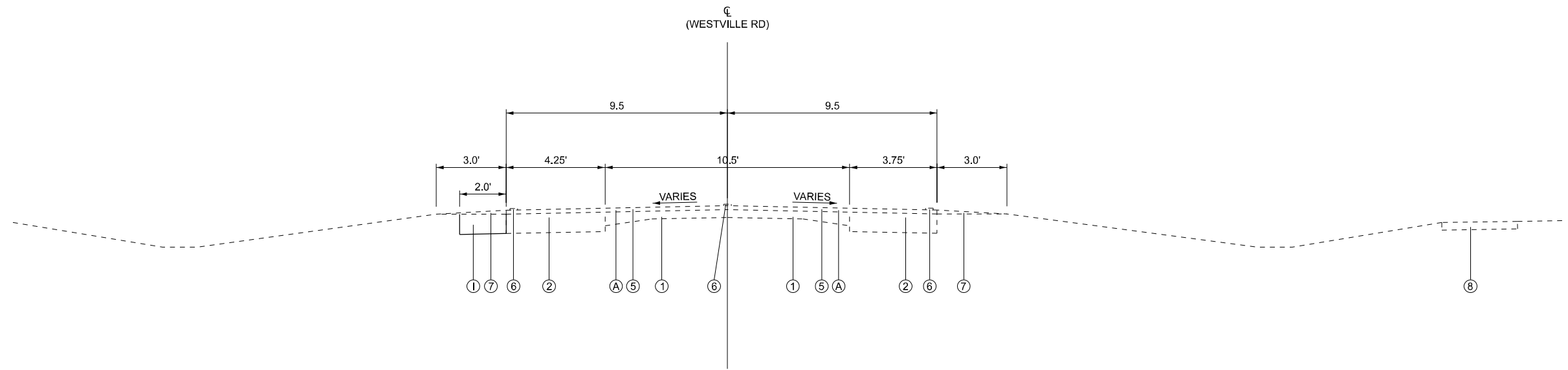
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
WESTVILLE RD**

SCALE: 1"=50' SHEET 4 OF 5 SHEETS STA. TO STA.

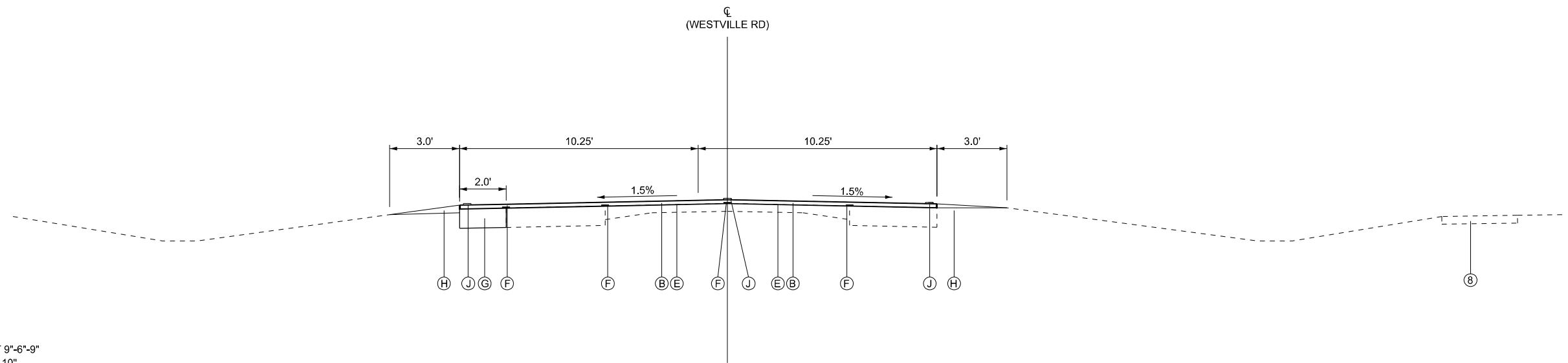
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	68	11
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

*FAS 508/FAU 7015



EXISTING TYPICAL SECTION FAU 7015 (WESTVILLE RD.) 5

4 STA. 27+50.00 TO STA. 35+40.00



EXISTING TYPICAL SECTION FAU 7015 (WESTVILLE RD.) 5

4 STA. 27+50.00 TO STA. 35+40.00

LEGEND

- 1 EXISTING P.C.C. PAVEMENT 9'-6"-9"
- 2 EXISTING P.C.C. WIDENING 10"
- 3 EXISTING CONCRETE CURB AND GUTTER TYPE B-6.18
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MODEL: TYPICAL-5 (Sheet)
FILE NAME: P:\2022\703-4 - 90392 Westville PS&E\90392 Section 40(W.RS)\CADD Sheets\90392-shr-typical.dgn

BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
1970 WEST JARVIS AVENUE
JACKSONVILLE, IL 62650
PHONE: 217-245-4141 FAX: 217-245-4149
IL DESIGN FIRM REGISTRATION NO. 184-00052

USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - DSR	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
WESTVILLE RD**

SCALE: 1"=50' SHEET 5 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	68	12
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

EARTH EXCAVATION SCHEDULE							
LOCATION		LENGTH	20200100 EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR 25% SHRINKAGE	EMBANKMENT	BALANCE WASTE (+) SHORTAGE	
STA.	TO	STA. (FOOT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	
27+50.00	TO	35+40.00	790.00	117.0	87.8	0.0	-87.8
S RANCH ST.ADA			39.00	2.2	1.7	0.0	-1.7
URBAN ROUTE 7015 SUBTOTAL				117.0	87.8	0.0	-87.8
URBAN ROUTE 7015 TOTAL				115.0	90.0	0.0	-90.0
PROJECT TOTAL				115.0	90.0	0.0	-90.0

BUTT JOINT / TEMPORARY RAMP SCHEDULE									
LOCATION		LENGTH	WIDTH	40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	40600990 TEMPORARY RAMP				
STA.	TO	STA. (FOOT)	(FOOT)	(SQ YD)	1.5"	1.75"	2.0"	3.75"	
					(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	
MAINLINE WESTVILLE ROAD									
0+06.95	TO	0+36.95	10.0	213.1	236.8			157.9	
35+30.00	TO	35+40.00	10.0	18.5	20.6			13.7	
SIDE ROADS & PAVED ENTRANCES									
					AT EOP	AT BACK			
52+55.32	LT	1380 E RD	30.0	114.40	17.50	58.3	9.7	74.1	84.7
118+63.65	LT	1500 E	30.0	103.30	16.00	53.3	8.9	67.0	76.5
RURAL FAS 508 SUBTOTAL						369.0		794.9	
RURAL FAS 508 TOTAL						369		795	
1+58.46	LT	PE		44.78				33.2	62.2
20+93.23	RT	PE W/ MB		65.10				48.2	90.4
32+02.35	LT	N RANCH ST.	18.5	48.80	17.70	48.3	9.8	31.6	67.8
33+21.74	RT	S RANCH ST	20.0	40.00	16.60	48.6	9.2	25.9	29.6
URBAN FAU 7015 SUBTOTAL						96.9		499.6	
URBAN FAU 7015 TOTAL						97		500	
PROJECT TOTAL						466		1295	

MAINLINE PAVING SCHEDULE								
LOCATION			35400500 PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	40600290 BITUMINOUS MATERIALS (TACK COAT)	40600370 LONGITUDINAL JOINT SEALANT	40602965 HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	40604050 HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "C", N50	44000157 HOT-MIX ASPHALT SURFACE REMOVAL, 2.0"
STA.	TO	STA.	(SQ YD)	(POUND)	(FOOT)	(TON)	(TON)	(SQ YD)
WESTVILLE RD.								
0+06.95	TO	0+90.33		292.0	250.1		72.7	412.2
0+90.33	TO	1+25.33		53.8	105.0	5.0	8.4	79.7
1+25.33	TO	118+71.98		18060.5	35240.0	2996.7	2622.1	26756.3
RURAL FAS ROUTE 508 SUBTOTAL			0.0	18406.3	35595.1	3001.7	2703.2	27248.2
RURAL FAS ROUTE 508 TOTAL			0	18406	35595	3002	2703	27248
0+00.00	TO	22+15.00		3405.6	6645.0	565.1	494.4	5045.3
22+15.00	TO	22+50.00		53.8	105.0	5.0	8.4	79.7
22+50.00	TO	27+50.00		512.5	1500.0		127.6	1138.9
27+50.00	TO	35+40.00	175.6	809.8	2370.0		201.5	1778.8
URBAN FAU ROUTE 7015 SUBTOTAL			175.6	4781.7	10620.0	570.1	831.9	8042.7
URBAN FAU ROUTE 7015 TOTAL			176	4782	10620	570	832	8043
PROJECT TOTAL			176	23188	46215	3572	3535	35291

DRAINAGE SCHEDULE					
LOCATION		SIDE	60300305 FRAME AND LIDS TO BE ADJUSTED	60300405 VALVE BOX FRAMES TO BE ADJUSTED	
STA.	OFFSET	LT/RT	(EACH)	(EACH)	
31+88.93	10.61	LT		1	
31+93.50	27.48	LT		1	
33+20.91	12.16	RT	1		
URBAN FAU 7015 SUBTOTAL			1	2	
URBAN FAU 7015 TOTAL			1	2	
PROJECT TOTAL			1	2	

PATCHING SCHEDULE				
LOCATION (SEE NOTE 1)		LENGTH	WIDTH	44201796 CLASS D PATCHES, TYPE IV, 12 INCH
STA.	LANE	FOOT	FOOT	(SQ YD)
1+25	EB	50	10.5	58.3
13+25	WB	50	12	66.7
1+25	WB	50	10.5	58.3
RURAL FAS 508 SUBTOTAL				183.3
RURAL FAS 508 TOTAL				183
PROJECT TOTAL				183

NOTE 1: THE EXACT LOCATION OF THE PATCHES SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER

AGGREGATE WEDGE SHOULDER SCHEDULE			
LOCATION			48102100 AGGREGATE WEDGE SHOULDER, TYPE B
STA.	TO	STA.	(TON)
WESTVILLE RD.			
0+76.36	TO	118+71.98	545.6
SIDE ROADS			
52+55.32	LT	1380 E. RD	4.6
79+10.25	RT	CO RD 1430 E	4.0
118+63.65	LT	1500 E	4.0
PRIVATE ENTRANCES			
0+76.36	TO	118+71.98	3.7
RURAL FAS ROUTE 508 SUBTOTAL			561.9
RURAL FAS ROUTE 508 TOTAL			562
0+00.00	TO	22+50.00	93.6
22+50.00	TO	27+50.00	8.8
27+50.00	TO	35+40.00	23.0
SIDE ROADS			
32+02.35	RT	N RANCH ST.	1.2
33.21.74	RT	S RANCH ST.	1.0
PRIVATE ENTRANCES			
0+76.36	TO	118+71.98	14.8
URBAN FAU ROUTE 7015 SUBTOTAL			142.4
URBAN FAU ROUTE 7015 TOTAL			142
PROJECT TOTAL			704

SEEDING SCHEDULE									
LOCATION		SIDE	25000210 SEEDING, CLASS 2A	25000400 NITROGEN FERTILIZER NUTRIENT	25000500 POTASSIUM FERTILIZER NUTRIENT	25000600 POTASSIUM FERTILIZER NUTRIENT	25100115 MULCH, METHOD 2	28000250 TEMPORARY EROSION CONTROL SEEDING	
STA.	TO	STA.	(ACRE)	(FOOT)	(TON)	(TON)	(ACRE)	(POUND)	
18+75.00	TO	22+10.23	0.062	5.6	5.6	5.6	0.062	6.2	
SW QUAD S RANCH ST.		RT	0.001	0.1	0.1	0.1	0.001	0.1	
SE QUAD S RANCH ST.		RT	0.001	0.1	0.1	0.1	0.001	0.1	
URBAN FAU 7015 SUBTOTAL			0.064	5.8	5.8	5.8	0.064	6.4	
URBAN FAU 7015 TOTAL			0.25	6	6	6	0.25	6	
PROJECT TOTAL			0.25	6	6	6	0.25	6	

ADA IMPROVEMENT SCHEDULE				
LOCATION	20900110 POROUS GRANULAR BACKFILL	42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	42400800 DETECTABLE WARNINGS	44000600 SIDEWALK REMOVAL
	(CU YD)	(SQ FT)	(SQ FT)	(SQ FT)
S RANCH ST.				
SW QUAD	0.6	104.5	8.0	90.7
SE QUAD	0.3	46.6	8.0	41.3
URBAN FAU 7015 SUBTOTAL				
URBAN FAU 7015 TOTAL				
PROJECT TOTAL				

APPLICATION RATES
HMA: 112 LBS/SQ YD/IN (0.056 TONS/SQ YD/IN)
TACK COAT: 0.05 LBS/SQ FT (MILLED HMA)
0.025 LBS/SQ FT (NEW HMA)
AGG: 2.05 TONS/CU YD

MODEL: Schedule of Quantities-1 (Sheet)
FILE NAME: P:\2022\703-4-90392\Westville PS&E\90392-sht-schedules.dgn

	BENTON & ASSOCIATES, INC. CONSULTING ENGINEERS / LAND SURVEYORS 1370 WEST LAURENCE AVE. JACKSONVILLE, IL 62650 PHONE: 217-245-4146 FAX: 217-245-4149 IL DESIGN FIRM REGISTRATION NO.: 124-000052	USER NAME = rshaw	DESIGNED - DSR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES WESTVILLE RD	F.A. * RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666833' / in.	CHECKED - WJS	REVISED -	*			40(W,RS)	VERMILION	66	13	
	PLOT DATE = 1/25/2024	DATE - JANUARY 24, 2024	REVISED -								CONTRACT NO. 90392
SCALE: 1"=50'						SHEET 1 OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SIDE ROAD / ENTRANCE SCHEDULE																						
STA.	SIDE	TYPE	EX. MATERIAL TYPE	LOCATION 1					LOCATION 2					35101800	40200800	40201000	40800025	40800029	40800050	42300200	44000200	X4400196
				WIDTH (FRONT)	WIDTH (BACK)	LENGTH	GRADE	AREA	WIDTH (FRONT)	WIDTH (BACK)	LENGTH	GRADE	AREA	AGGREGATE BASE COURSE, TYPE B 6"	AGGREGATE SURFACE COURSE, TYPE B	AGGREGATE FOR TEMPORARY ACCESS	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	INCIDENTAL HOT-MIX ASPHALT SURFACING	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	DRIVEWAY PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL)
				(FOOT)	(FOOT)	(FOOT)	(%)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(%)	(SQ FT)	(SQ YD)	(TON)	(TON)	(POUND)	(POUND)	(TON)	(SQ YD)	(SQ YD)	(SQ YD)
6+94.19	RT	FE	EARTH	31.61	25.61	3.00	-4.00%	85.8						0	13.2			21.5	2.1	2.0		
7+16.70	LT	FE	EARTH	30.00	24.00	3.00	-4.00%	81.0						0	12.4			20.3	2.0	1.9		
26+46.90	RT	FE	AGG	36.00	30.00	3.00	-4.00%	99.0						0	15.1			24.8	2.5	2.3		
27+74.32	LT	FE	AGG	30.00	24.00	3.00	-4.00%	81.0						0	12.4			20.3	2.0	1.9		
28+27.28	LT	FE	EARTH	30.00	24.00	3.00	-4.00%	81.0						0	12.4			20.3	2.0	1.9		
37+18.63	RT	FE	AGG	30.58	24.58	3.00	-4.00%	82.7						0	12.7			20.7	2.1	1.9		
39+44.85	LT	FE	EARTH	30.00	24.00	3.00	-4.00%	81.0						0	12.4			20.3	2.0	1.9		
49+35.87	RT	FE	AGG	36.00	30.00	3.00	-4.00%	99.0						0	15.1			24.8	2.5	2.3		
52+55.32	LT	1380 E RD	BIT.	114.40	17.50	62.76	VARIES	1808.5											135.6	38.5		142.6
53+70.44	RT	PE W/MB	AGG	80.14	50.13	10.00	-4.00%	651.3	30.70	16.93	10.00	-4.16%	238.2	80.8		9.0	7.4	162.8	16.3	15.2		
59+45.70	RT	FE	AGG	30.00	24.00	3.00	-4.00%	81.0						0	12.4			20.3	2.0	1.9		
66+06.72	RT	FE	EARTH	30.00	24.00	3.00	-4.00%	81.0						0	12.4			20.3	2.0	1.9		
66+07.68	LT	FE	EARTH	30.00	24.00	3.00	-4.00%	81.0						0	12.4			20.3	2.0	1.9		
74+08.84	LT	FE	AGG	30.00	24.00	3.00	-4.00%	81.0						0	12.4			20.3	2.0	1.9		
79+10.25	RT	CO RD 1430 E	AGG	109.70	18.11	53.25	VARIES	1575.2								2.7	393.8	39.4	36.8			
79+34.98	LT	FE	AGG	36.00	30.00	3.00	-4.00%	99.0						0	15.1			24.8	2.5	2.3		
85+40.76	LT	MB	AGG	72.00	20.00	6.25	-4.00%	287.5						0	37.9			71.9	7.2	6.7		
85+67.60	RT	PE	AGG	56.71	36.71	10.00	-4.00%	467.1	36.71	27.37	10.00	5.23%	320.4	58.3		12.2	5.4	116.8	11.7	10.9		
86+48.72	RT	PE	AGG	62.02	42.02	10.00	-4.00%	520.2	42.02	29.23	10.00	0.75%	356.3	64.8		13.5	6.2	130.1	13.0	12.1		
86+50.60	LT	FE	AGG	36.00	30.00	3.00	-4.00%	99.0						0	15.1			24.8	2.5	2.3		
95+96.37	LT	FE	EARTH	30.00	24.00	3.00	-4.00%	81.0						0	12.4			20.3	2.0	1.9		
98+88.76	RT	FE	EARTH	32.51	26.51	3.00	-4.00%	88.5						0	13.6			22.1	2.2	2.1		
98+95.58	LT	FE	EARTH	30.00	24.00	3.00	-4.00%	81.0						0	12.4			20.3	2.0	1.9		
101+72.00	LT	FE	EARTH	30.00	24.00	3.00	-4.00%	81.0						0	12.4			20.3	2.0	1.9		
104+20.18	LT	PE W/MB	AGG	68.55	41.55	7.00	-4.00%	385.4	23.51	13.29	10.00	-12.16%	184	49.8		7.0	6.2	96.4	9.6	9.0		
112+16.07	LT	FE	EARTH	36.00	30.00	3.00	-4.00%	99.0						0	15.1			24.8	2.5	2.3		
118+57.51	RT	FE	EARTH	33.12	27.12	3.00	-4.00%	90.4						0	13.8			22.6	2.3	2.1		
118+63.65	LT	1500 E	BIT.	103.30	16.00	50.50	VARIES	1344.9											100.9	28.0		96.1
RURAL FAS 508 SUBTOTAL (SIDE ROADS / ENTRANCES)													745.7	41.7	27.9	1406.0	376.9	197.7	0.0	0.0	238.7	
RURAL FAS 508 TOTAL (SIDE ROADS / ENTRANCES)													746	42	28	1406	377	198	0	0	239	
0+52.18	RT	FE	EARTH	34.91	28.94	3.00	-4.00%	95.8						0	14.6			24.0	2.4	2.2		
1+58.46	LT	PE	PCC	44.78	27.53	8.67	-1.15%	313.5						0	35.8				0.0		34.8	34.8
5+15.29	RT	PE W/MB	AGG	71.02	44.51	6.50	-4.00%	375.5	30.52	19.57	10.00	1.36%	250.5	49.0		9.5	6.6	93.9	9.4	8.8		
6+84.77	LT	FE	EARTH	36.00	30.00	3.00	-4.00%	99.0						0	15.1			24.8	2.5	2.3		
7+12.98	RT	FE	EARTH	36.00	30.00	3.00	-4.00%	99.0						0	15.1			24.8	2.5	2.3		
8+95.40	RT	PE W/MB	AGG	101.09	74.09	7.00	-4.00%	613.1	14.52	14.52	10.00	-7.04%	145.2	78.7		5.5	11.0	153.3	15.3	14.3		
10+19.71	RT	PE	AGG	31.91	11.91	10.00	-4.00%	219.1	11.91	11.37	10.00	-0.93%	116.4	28.0		4.4	1.8	54.8	5.5	5.1		
10+26.02	LT	FE	EARTH	111.35	72.35	7.00	-4.00%	643.0	36.91	22.51	10.00	-5.03%	297.1	82.5		11.3	10.7	160.8	16.1	15.0		
10+59.17	LT	PE W/MB	AGG																			
13+55.24	RT	FE	EARTH	36.00	30.00	3.00	-4.00%	99.0						0	15.1			24.8	2.5	2.3		
15+71.79	RT	PE W/MB	AGG	73.13	33.33	8.00	-4.00%	425.8	13.41	11.31	10.00	-0.23%	123.6	54.2		4.7	4.9	106.5	10.6	9.9		
17+87.02	RT	FE	EARTH	36.00	30.00	3.00	-4.00%	99.0						0	15.1			24.8	2.5	2.3		
19+49.21	RT	PE W/MB	AGG	69.72	30.22	7.50	-4.00%	374.8	13.53	14.55	10.00	0.97%	140.4	48.1		5.3	4.5	93.7	9.4	8.7		
19+52.32	LT	PE	AGG	34.85	14.84	10.00	-4.00%	248.5	14.84	13.75	10.00	-6.10%	143	31.6		5.4	2.2	62.1	6.2	5.8		
20+93.23	RT	PE W/MB	BIT.	65.10	38.85	6.25	-2.00%	324.8	13.89	12.87	10.00	-2.00% / -7.01%	133.8	54.4		5.8	5.8	114.7	11.5	10.7		51.0
21+63.67	RT	PE	EARTH	32.28	14.79	8.75	0.67%	205.9	14.79	14.79	10.00	-10.00%	147.9	43.1		2.2	2.2	88.5	8.8	8.3		
22+38.42	RT	PE	AGG	38.08	15.91	10.00	-4.00%	270.0	15.91	12.75	10.00	-0.50%	143.3	34.2		5.4	2.4	67.5	6.8	6.3		
24+04.07	RT	PE	PCC																			
24+21.06	RT	PE	AGG																			
25+51.05	LT	FE	AGG	30.00	24.00	3.00	-4.00%	81.0						0	12.4			20.3	2.0	1.0		
25+76.50	RT	PE	AGG																			
26+52.26	RT	PE	AGG																			
26+93.79	RT	PE	AGG																			
27+18.07	LT	PE	AGG	37.41	17.43	10.00	-2.00%	274.2	17.43	17.43	10.00	1.83%	174.3	34.7		6.6	2.6	68.6	6.9	3.4		
27+81.36	LT	PE	EARTH	21.02	11.02	5.00	0.26%	80.1						0	11.3			20.0	2.0	1.0		
28+84.47	LT	PE W/MB	AGG	61.94	37.96	4.00	-4.00%	199.8	23.24	16.04	10.00	-8.63%	196.4	28.3		7.5	5.6	50.0	5.0	2.5		
31+48.77	RT	PE	AGG	49.15	29.13	10.00	-8.00%	391.4	29.13	28.22	2.89	-7.12%	82.9	49.1		4.3	4.3	118.6	11.9	5.9		
32+02.35	LT	N RANCH ST.	BIT.	48.80	17.70	18.50	VARIES	435.0											32.6	4.7		0.0
33+21.74	RT	S RANCH ST	BIT.	40.00	16.60	20.00	VARIES	437.2											32.8	4.8		0.0
33+44.10	LT	PE	AGG	38.62	18.62	10.00	-4.00%	286.2	18.62	17.62	10.00	-1.28%	181.2	36.2		6.9	2.8	71.6	7.2	3.6		
34+00.42	RT	PE	AGG	51.58	36.58	7.50	-1.11%	330.6	36.58	36.30	4.11	-5.48%	149.8	42.6		5.4	5.4	120.1	12.0	6.0		
34+00.79	LT	PE	EARTH	21.76	11.76	5.00	-4.00%	83.8	11.76	10.68	10.00	-6.97%	112.2	11.8		4.3	1.7	21.0	2.1	1.0		
34+88.39	LT	PE	AGG	34.16	14.16	10.00	-4.00%	241.6	14.16	11.70	10.00	-0.13%	129.3	30.8		4.9	2.1	60.4	6.0	3.0		
URBAN 7015 SUBTOTAL (SIDE ROADS / ENTRANCES)													871.8	81.7	78.2	1669.6	232.5	141.2	34.8	85.8	0.0	
URBAN 7015 TOTAL (SIDE ROADS / ENTRANCES)													872	82	78	1670	233	141	35	86	0	
PROJECT TOTAL													1618	124	106	3076	610	339	35	86	239	

LOCATION 1 ARE THE ENTRANCE AND SIDE ROAD IMPROVEMENTS ADJACENT TO THE EDGE OF PAVEMENT.
LOCATION 2 ARE THE ENTRANCE AND SIDE ROAD IMPROVEMENTS TO TRANSITION FROM LOCATION 1 TO THE EXISTING ENTRANCE OR SIDE ROAD.

APPLICATION RATES
HMA: 112 LBS/SQ YD/IN (0.056 TONS/SQ YD/IN)
TACK COAT: 0.05 LBS/SQ FT (MILLED HMA)
0.025 LBS/SQ FT (NEW HMA)
AGG: 2.05 TONS/CU YD

MODEL - Schedule of Quantities - 2 (Sheet)
FILE NAME: \\BAFILE2\Projects\22E37034-90302 Westville_PS&E\90302 Section 40(W,RS)\CADD Sheets\0590302-ent-schedules.dgn

	BENTON & ASSOCIATES, INC. CONSULTING ENGINEERS / LAND SURVEYORS 1975 WEST LAURETTE AVE. JACKSONVILLE, IL 62650 PHONE: 217-254-1416 FAX: 217-254-1109 IL DESIGN FIRM REGISTRATION NO. 184-009832	USER NAME = djuholl PLOT SCALE = 0.16666633 / in. PLOT DATE = 1/25/2024	DESIGNED - DSR DRAWN - DSR CHECKED - WJS DATE - JANUARY 24, 2024	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES WESTVILLE RD	SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. TO STA.	F.A. * RTE. SECTION COUNTY VERMILION CONTRACT NO. 90392	TOTAL SHEETS 66 SHEET NO. 14
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CULVERT SCHEDULE										
LOCATION	SIDE	21400100	50104400	50105220	542D0217	542D0220	542D5470	54260515	54261712	54261815
		GRADING AND SHAPING DITCHES	CONCRETE HEADWALL REMOVAL	PIPE CULVERT REMOVAL	PIPE CULVERTS, CLASS D, TYPE 1 12"	PIPE CULVERTS, CLASS D, TYPE 1 15"	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 15"	SLOPES METAL END SECTION, STANDARD 542411, 15", 1:6	STEEL FLARED END SECTIONS 12"	STEEL FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 15"
STA.	OFFSET	LT/RT	(FOOT)	(EACH)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)
END SECTIONS										
19+30.04	22.59	RT						1		
19+63.06	22.48	RT						1		
20+81.65	21.77	RT								1
21+06.66	21.56	RT								1
21+51.19	21.14	RT						1		
21+76.21	20.88	RT						1		
CULVERTS AND REMOVAL										
18+75.00	TO	22+10.23	335.2							
19+30.04	TO	19+63.06				33.0				
19+41.26	TO	19+59.15		2	17.9					
20+81.65	TO	21+06.66					25.0			
20+84.26	TO	21+02.56		2	18.3					
21+51.19	TO	21+76.21				25.0				
21+54.70	TO	21+72.73		2	18.0					
URBAN FAU 7015 SUBTOTAL			335.2	6	54.2	25.0	33.0	25.0	2	2
URBAN FAU 7015 TOTAL			335	6	54	25	33	25	2	2
PROJECT TOTAL			335	6	54	25	33	25	2	2

EROSION CONTROL SCHEDULE				
LOCATION	SIDE	28000305	28000500	
		TEMPORARY DITCH CHECKS	INLET AND PIPE PROTECTION	
STA.	OFFSET	LT/RT	(FOOT)	(EACH)
18+75.00	22.7	RT	10.0	
19+63.06	22.48	RT		1
21+06.66	21.56	RT		1
21+76.21	20.88	RT		1
URBAN FAU 7015 SUBTOTAL			10.0	3.0
PROJECT TOTAL			10	3

ENGINEERS FIELD OFFICE	
67000500	CAL MO
RURAL FAS 508 SUBTOTAL	6
RURAL FAS 508 TOTAL	6
PROJECT TOTAL	6

TRAFFIC CONTROL SURVEILLANCE	
70103815	CAL DAY
RURAL FAS 508 SUBTOTAL	2
RURAL FAS 508 TOTAL	2
URBAN FAU 7015 SUBTOTAL	3
URBAN FAU 7015 TOTA	3
PROJECT TOTAL	5

PAVEMENT MARKING SCHEDULE										
LOCATION	78001110				78001130	78001150	78001180	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING (SEE NOTE 1)	
	PAINT PAVEMENT MARKING - LINE 4" (SEE NOTE 1)				PAINT PAVEMENT MARKING - LINE 6" (SEE NOTE 1)	PAINT PAVEMENT MARKING - LINE 12"	PAINT PAVEMENT MARKING - LINE 24"			
	SOLID WHITE	SKIP-DASH YELLOW	DOUBLE SOLID YELLOW	SOLID YELLOW	SOLID WHITE	SOLID WHITE DIAGONAL	WHITE STOP BAR			
STA	TO	STA	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(SQ FT)	(SQ FT)
0+06.95	TO	1+10.00			174.0	167.2	114.5	27.5	311.1	
1+10.00	TO	1+22.97	25.9		26.0				17.3	
1+22.97	TO	29+26.74	5607.5	700.9					2102.8	
29+26.74	TO	38+80.19	1906.9	238.4			953.5		1032.9	
38+80.19	TO	40+44.44	328.5	41.1					123.2	
40+44.44	TO	46+90.46	1292.0	161.5		646.0			699.8	
46+90.46	TO	118+71.98	14035.6						4678.5	
RURAL FAS 508 SUBTOTAL			26137.8		167.2	114.5	27.5	8965.6		
RURAL FAS 508 TOTAL			26138		167	115	28	8966		
0+00.00	TO	35+40.00	6991.2	885.0					2625.4	
S RANCH ST					35.0				17.5	
URBAN FAU 7015 SUBTOTAL			7876.2		35.0	0.0	0.0	2642.9		
URBAN FAU 7015 TOTAL			7876		35	0	0	2643		
PROJECT TOTAL			34014		202	115	28	11609		

SHORT TERM PAVEMENT MARKINGS AND REMOVAL				
LOCATION	70300100		70300150	
	SHORT TERM PAVEMENT	SKIP-DASH YELLOW	SHORT TERM PAVEMENT	MARKING REMOVAL
STA.	TO	STA.	(FOOT)	(SQ FT)
0+06.95	TO	1+10.00	28.2	3.1
1+10.00	TO	118+71.98	3207.9	356.4
RURAL FAS 508 SUBTOTAL			3236.1	359.5
RURAL FAS 508 TOTAL			3236	360
0+00.00	TO	22+50.00	613.5	68.2
22+50.00	TO	35+40.00	234.6	39.1
URBAN FAU 7015 SUBTOTAL			848.1	107.3
URBAN FAU 7015 TOTAL			848	107
PROJECT TOTAL			4084	467

SURVEY MARKER SCHEDULE					
STA.	OFFSET	TYPE	Z0064505	Z0070202	Z0070202
			XZ193400	SECTION CORNER MARKERS	SURVEY MARKER VAULT
			SURVEY MARKER, TYPE 2 (SPECIAL)	(EACH)	(EACH)
0+00	0	II	1		
41+69.573	0	II	1		
52+61.094	7.08'	II	1		
63+52.493	0	II	1		
112+86.163	0	II	1		
118+04.72	0	II	1		
118+62.77	-53.44	SECTION CORNER		1	1
RURAL FAS 508 SUBTOTAL			6	1	1
RURAL FAS 508 TOTAL			6	1	1
0+26.481	0	II	1		
3+06.514	10.07	II	1		
5+85.581	0	II	1		
16+71.453	0	II	1		
20+86.562	-2.81	II	1		
25+01.62	0	II	1		
26+76.295	0	II	1		
29+71.069	2.68'	II	1		
32+65.778	0	II	1		
35+62.605	-2.82	II	1		
URBAN FAU 7015 SUBTOTAL			10	0	0
URBAN FAU 7015 TOTAL			10	0	0
PROJECT TOTAL			16	1	1

NOTE 1: TEMPORARY PAVEMENT MARKINGS SHALL MATCH THE PERMANENT PAVEMENT MARKING LOCATIONS AS SHOWN IN THE ABOVE SCHEDULE.

CURB REFLECTOR SCHEDULE				
LOCATION	78200020		REMARKS	
	CURB REFLECTORS	(EACH)		
STA.	TO	STA.		
0+06.95	TO	0+90.33	9	REPLACE MISSING CURB REFLECTORS ON PCC CORNER ISLAND
RURAL FAS 508 SUBTOTAL			9	
RURAL FAS 508 TOTAL			9	
PROJECT TOTAL			9	

RAISED REFLECTIVE PAVEMENT MARKINGS				
LOCATION	78100100		RAISED REFLECTIVE PAVEMENT MARKERS	
	ONE-WAY CRYSTAL	TWO-WAY AMBER		
	(EACH)	(EACH)		
STA.	TO	STA.	(EACH)	(EACH)
0+06.95	TO	1+22.97	9	2
1+22.97	TO	118+71.98		147
RURAL FAS 508 SUBTOTAL			9	149
RURAL FAS 508 TOTAL				158
0+00.00	TO	35+40.00		45
URBAN FAU 7015 SUBTOTAL			0	45
URBAN FAU 7015 TOTAL				45
PROJECT TOTAL				203

RUMBLE STRIP			
LOCATION	Z0055300		
	RUMBLE STRIP		
STA.	TO	STA.	EACH
3+00.00	TO	10+00.00	3.0
RURAL FAS 508 TOTAL			3.0
PROJECT TOTAL			3

SEE DISTRICT DETAILS FOR ADDITIONAL INFORMATION

APPLICATION RATES
HMA: 112 LBS/SQ YD/IN (0.056 TONS/SQ YD/IN)
TACK COAT: 0.05 LBS/SQ FT (MILLED HMA)
0.025 LBS/SQ FT (NEW HMA)
AGG: 2.05 TONS/CU YD

MODEL: Schedule of Quantities-3 (Sheet)
FILE NAME: P:\2023\703-4-90392\Westville PS&E\90392-sh-schedules.dgn



USER NAME = rshaw
DESIGNED - DSR
DRAWN - DSR
CHECKED - WJS
DATE - JANUARY 24, 2024

REVISOR -
REVISOR -
REVISOR -
REVISOR -

PLOT SCALE = 0.16666667 / in.
PLOT DATE = 1/25/2024

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
WESTVILLE RD

SCALE: 1"=50'

SHEET 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	15
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

*FAS 508/FAU 7015

BENCHMARKS

5112-01	CHISELED SQUARE ON SW CORNER OF EAST HEADWALL OF PRIVATE ENTRANCE. STATION 15+80.96, 22.58' RT. ELEVATION 676.845.
5112-02	CHISELED SQUARE IN CENTER OF SOUTH HEADWALL OF ACROSS ROAD PIPE CULVERT. STATION 91+96.11, 26.45' RT., ELEVATION 672.599.
5112-03	CHISELED SQUARE ON SE CORNER OF SOUTH HEADWALL OF ACROSS ROAD PIPE CULVERT. STATION 68+97.83, 24.31' RT., ELEVATION 677.400.
5112-04	CHISELED SQUARE IN CENTER OF NORTH HEADWALL OF A.R.P.C., STATION 25+98.89, -26.86' LT., ELEVATION 681.037.
5095-06	CHISELED SQUARE IN CENTER OF WEST HEADWALL OF A.R.B.C. JUST SOUTH OF CO ROD 1200 N. STATION 91+14.54, 25.51' RT., ELEVATION 687.909.

CONTROL POINTS							
POINT NUM	NORTHING	EASTING	STATION	OFFSET	CODE	DESCRIPTION	CURRENT MARK
16	1,230,063.342	1,161,652.330	0+00.000	0.000	832	POT	PSM
12	1,230,093.644	1,164,251.129	25+98.836	-26.923	311	HEADWALL	PSM
13	1,230,038.772	1,164,251.533	25+99.169	27.949	311	HEADWALL	PSM
10	1,230,093.236	1,164,707.071	30+54.777	-25.922	311	HEADWALL	PSM
11	1,230,042.155	1,164,707.513	30+55.153	25.159	311	HEADWALL	PSM
50	1,230,184.760	1,177,107.826	35+90.001	-23.969	212		PSM
19	1,230,166.390	1,177,576.857	40+58.779	0.000	832		PSM
14	1,230,070.183	1,166,913.420	52+61.033	7.086	820	821 PI	PSM
7	1,230,139.202	1,168,548.094	68+96.920	-24.424	311	HEADWALL	PSM
8	1,230,090.390	1,168,549.090	68+96.585	24.397	311	HEADWALL	PSM
9	1,230,090.489	1,168,550.304	68+97.801	24.331	108	VERTICAL CONTROL STATION	PSM
5	1,230,203.142	1,170,846.730	91+96.445	-25.667	311	HEADWALL	PSM
6	1,230,150.752	1,170,847.872	91+96.158	26.734	311	HEADWALL	PSM
1	1,230,241.546	1,173,196.135	115+45.442	-10.650	820	821 PI	PSM
2	1,230,220.058	1,173,232.000	115+82.529	8.630	821	PIN	PSM
20	1,230,197.012	1,173,520.187	118+71.958	0.000	832		PSM
3	1,230,155.281	1,173,823.847	121+77.989	10.076	820	821 PI	PSM
4	1,230,168.266	1,175,604.814	139+58.495	-2.817	820	821 PI	PSM
15	1,230,150.703	1,176,489.197	148+42.994	2.680	820	821 PI	PSM
17	1,230,160.466	1,177,080.718	154+34.563	0.000	820	PI	PSM

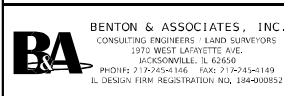
NAD83/2011 ADJUSTMENT

POINTS TO BE RESET						
PT#	NORTHING	EASTING	STATION	CODE	DESC	SET AFTER CONSTRUCTION
16	1230063.342	1161652.330	0+00	POT	MAG NAIL	TYPE II
	1230068.764	1165821.900	41+69.573	PC	MAG NAIL	TYPE II
14	1230070.183	1166913.420	52+61.094/7.08'RT.	PI	IRON PIN	TYPE II
	1230099.944	1168004.535	63+52.493	PT	MAG NAIL	TYPE II
	1230234.461	1172936.372	112+86.163	PC	MAG NAIL	TYPE II
	1230206.167	1173453.575	118+04.72	PT	MAG NAIL	TYPE II
	1230193.407	1173546.422	0+26.481	PC	MAG NAIL	TYPE II
3	1230155.281	1173823.847	3+06.514/10.07'RT	PI	IRON PIN	TYPE II
	1230157.323	1174103.873	5+85.581	PT	MAG NAIL	TYPE II
	1230165.24	1175189.716	16+71.453	PC	MAG NAIL	TYPE II
4	1230168.266	1175604.814	20+86.562/-2.81'LT	PI	IRON PIN	TYPE II
	1230160.024	1176019.841	25+01.62	PT	MAG NAIL	TYPE II
	1230156.556	1176194.481	26+76.295	PC	MAG NAIL	TYPE II
15	1230150.703	1176489.197	29+71.069/2.68'RT	PI	IRON PIN	TYPE II
	1230155.568	1176783.931	32+65.778	PT	MAG NAIL	TYPE II
17	1230160.466	1177080.718	35+62.605	PI	IRON PIN	TYPE II

SECTION CORNERS					
POINT NUM	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
3210	1,230,152.474	1,173,519.646	0+05.528	44.197	200-821 IRON PIN FOUND
4229	1,230,251.208	1,173,518.368	118+62.777	-53.443	200-821 5/8 INCH IRON PIN FOUND
4217	1,230,171.973	1,176,083.306	25+64.835	-13.207	201-853- STONE FOUND

SECTION CORNERS TO BE RESET						
PT#	NORTHING	EASTING	STATION	CODE	DESC	SET AFTER CONSTRUCTION
4229	1230251.208	1173518.368	118+62.77/53.44'LT	SECTION CORNER	IRON PIN	VAULT

MODEL: ATB_SCHEDULES (Sheet)
FILE NAME: P:\2023\703-4 - 90392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-sh-ATB.dgn



BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
1970 WEST LAFAYETTE AVE.
HOOSIERSVILLE, IL 62650
PHONE: 217-245-1416 FAX: 217-245-1189
IL DESIGN FIRM REGISTRATION NO. 194-010952

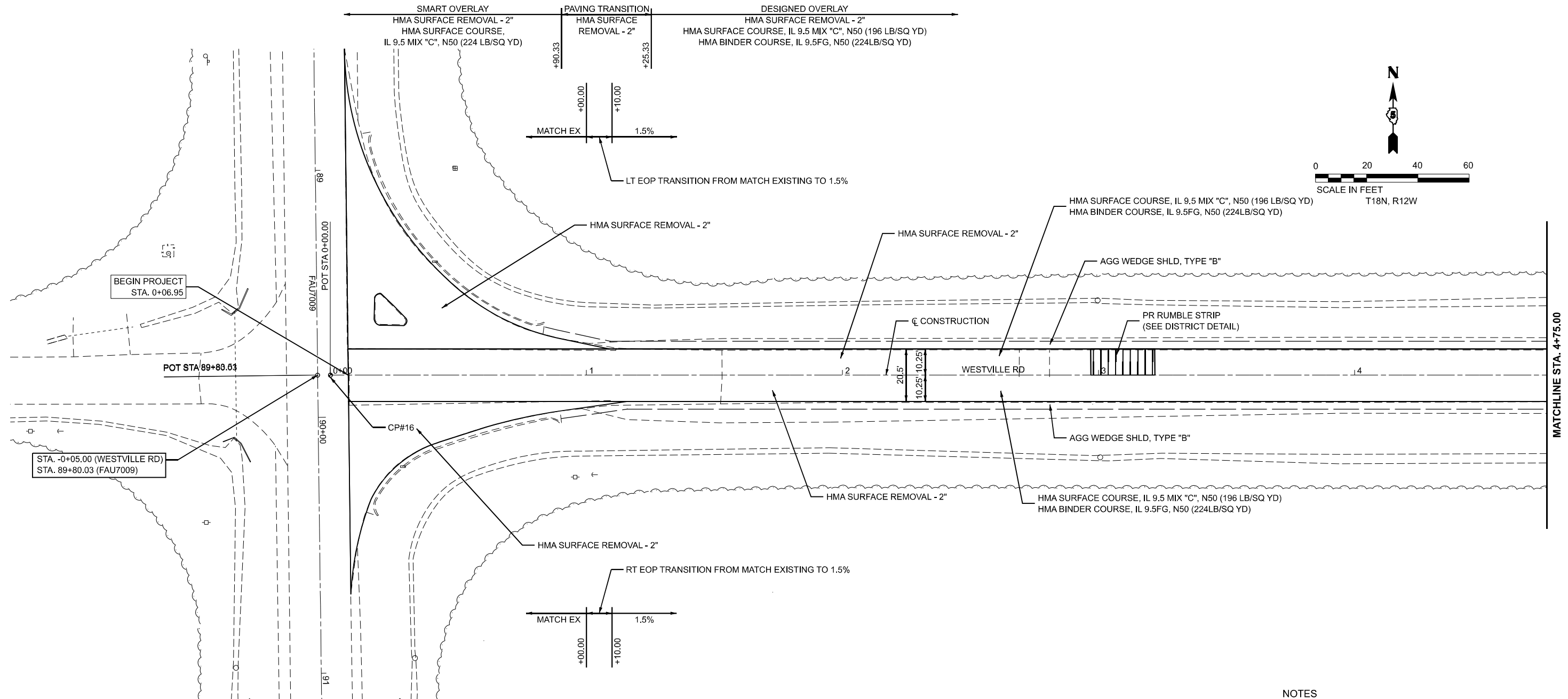
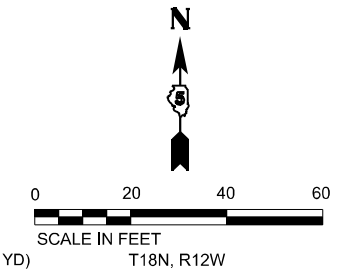
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	DATE - JANUARY 24, 2024	REVISED - ####

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENTS, TIES AND BENCHMARKS
WESTVILLE RD**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	16
CONTRACT NO. 90392				
ILLINOIS		FED. AID PROJECT		



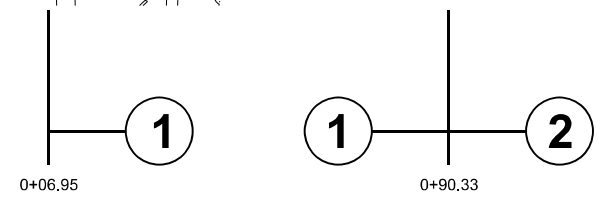
STA. -0+05.00 (WESTVILLE RD)
STA. 89+80.03 (FAU7009)

BEGIN PROJECT
STA. 0+06.95

POT STA 89+80.03

POT STA 0+00.00
FAU7009

MATCHLINE STA. 4+75.00



NOTES

- PCC DRIVEWAY - 6"
- AGGREGATE SURFACE, TYPE B
- INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
(ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville_Rd_FAS508-Plan_1 [Sheet]
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BA BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
3970 WEST LAURELLE AVE.
JACKSONVILLE, IL 62550
PHONE: 217-265-4186 FAX: 217-245-1169
IL DESIGN FIRM REGISTRATION NO. 184-000852

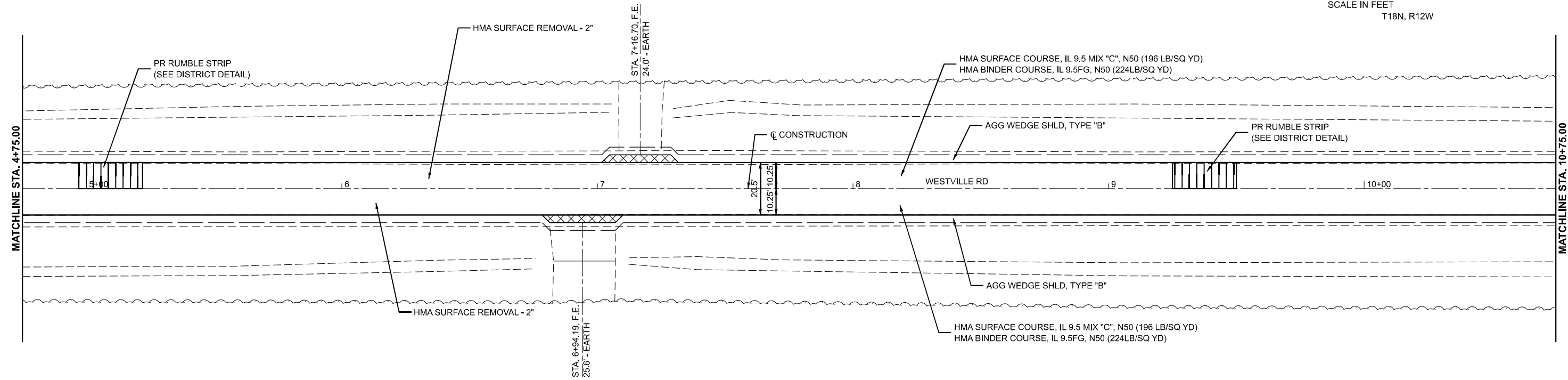
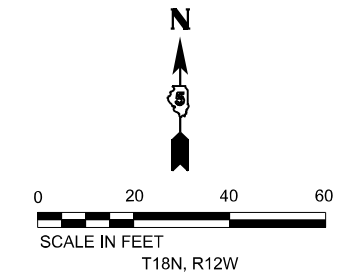
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PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED - ####
	DATE - JANUARY 24, 2024	REVISED - ####

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
WESTVILLE RD**

SCALE: 1"=20' SHEET 1 OF 26 SHEETS STA. -1+25.00 TO STA. 4+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	17
CONTRACT NO. 90392				
		ILLINOIS	FED. AID PROJECT	



NOTES

- PCC DRIVEWAY - 6"
- AGGREGATE SURFACE, TYPE B
- INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville Rd, FAS508-Plan 2 (Sheet)
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BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 1970 WEST LAFAYETTE AVE.
 JACKSONVILLE, IL 62650
 PHONE: 712.274.145 FAX: 712.274.1188
 IL DESIGN FIRM REGISTRATION NO. 194-00862

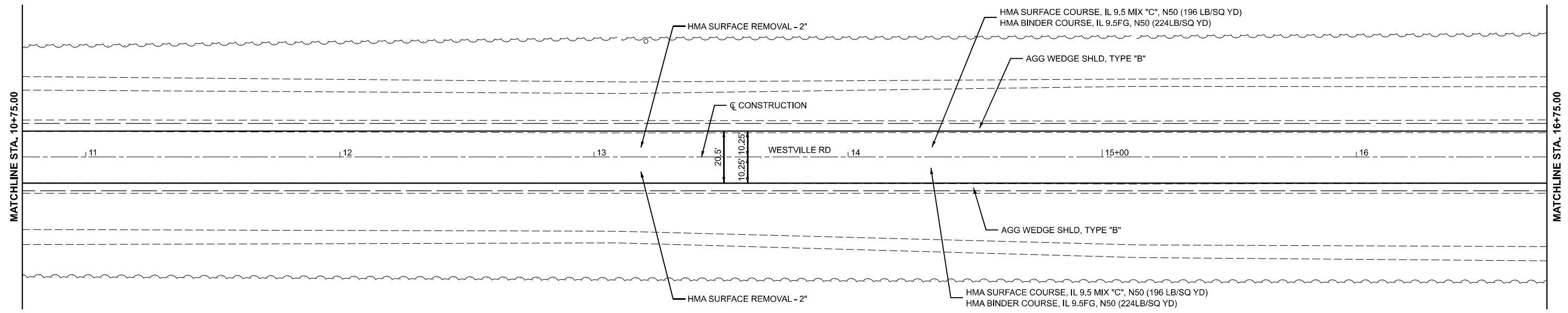
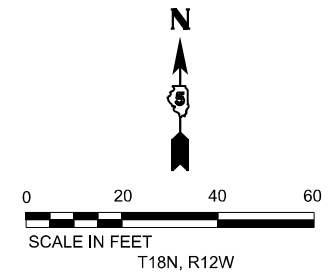
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PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED - ####
	DATE - JANUARY 24, 2024	REVISED - ####

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**




**PLAN SHEETS
 WESTVILLE RD**

SCALE: 1"=20' SHEET 2 OF 26 SHEETS STA. 4+75.00 TO STA. 10+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	18
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				



NOTES

-  PCC DRIVEWAY - 6"
-  AGGREGATE SURFACE, TYPE B
-  INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville_Rd_FAS508-Plan_3 [Sheet]
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BA
 BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 1970 WEST LAFALETTE AVE.
 JACKSONVILLE, IL 62650
 PHONE: 717-274-1180 FAX: 717-274-1189
 IL DESIGN #004 REGISTRATION NO. 184-000852

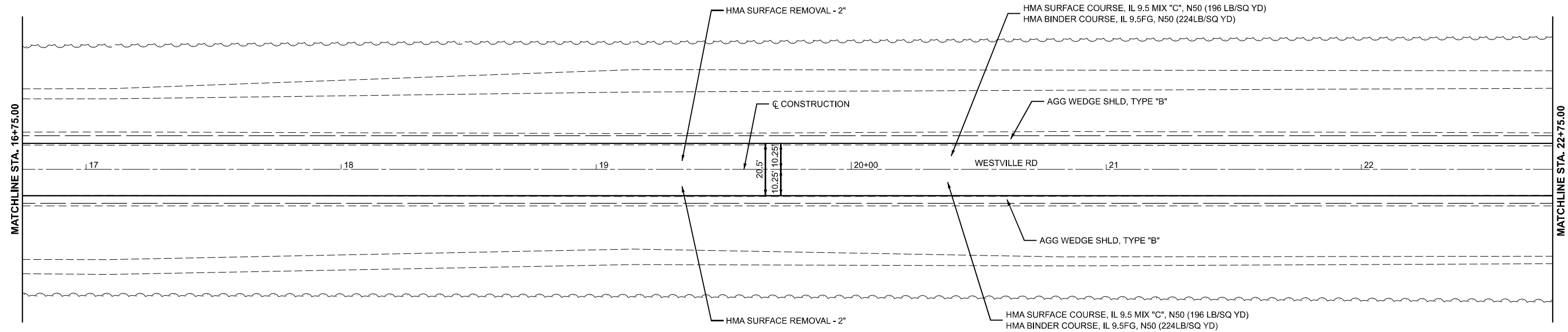
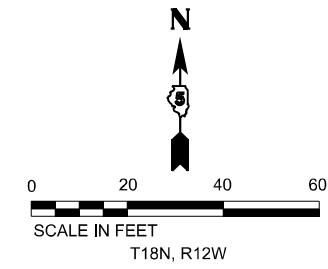
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PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED - ####
	DATE - JANUARY 24, 2024	REVISED - ####

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
 WESTVILLE RD**

SCALE: 1"=20' SHEET 3 OF 26 SHEETS STA. 10+75.00 TO STA. 16+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	19
CONTRACT NO. 90392				
		ILLINOIS	FED. AID PROJECT	



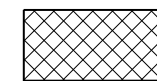
NOTES



PCC DRIVEWAY - 6"



AGGREGATE SURFACE, TYPE B



INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville_Rd_FAS508-Plan_4 [Sheet]
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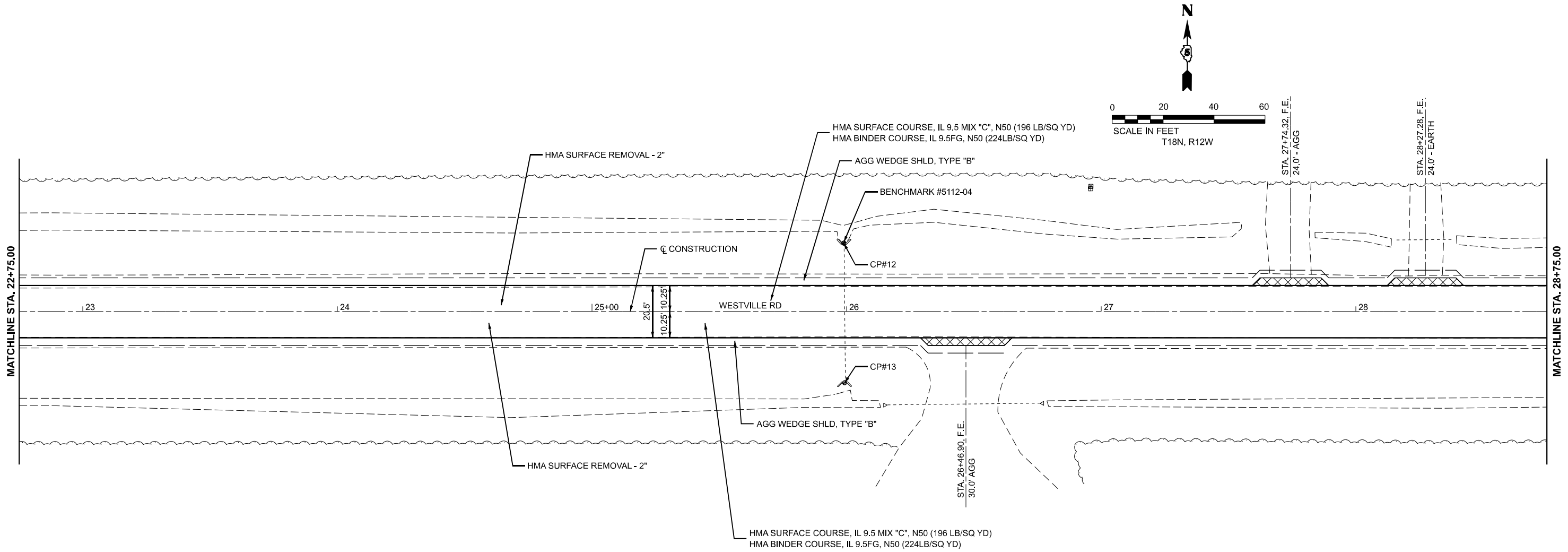
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	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**


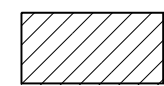
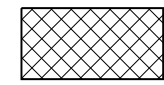
**PLAN SHEETS
 WESTVILLE RD**

SCALE: 1"=20' SHEET 4 OF 26 SHEETS STA. 16+75.00 TO STA. 22+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	20
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				



NOTES

-  PCC DRIVEWAY - 6"
-  AGGREGATE SURFACE, TYPE B
-  INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville_Rd_FAS508-Plan_5 [Sheet]
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BA BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 1370 WEST LAVERGNE AVE.
 JACKSONVILLE, IL 62650
 PHONE: 217.265.1140 FAX: 217.224.1141
 IL DESIGN FIRM REGISTRATION NO. 124-000052

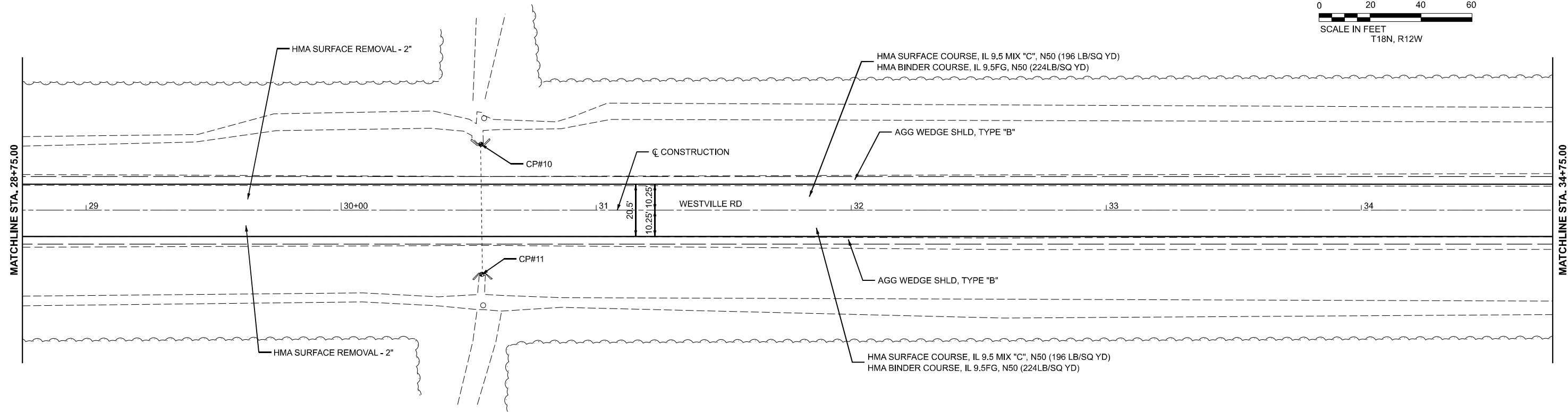
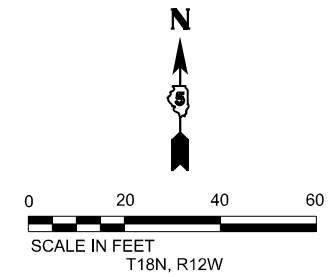
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	DATE - JANUARY 24, 2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

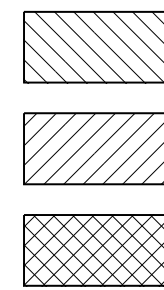
PLAN SHEETS
WESTVILLE RD




SCALE: 1"=20' SHEET 5 OF 26 SHEETS STA. 22+75.00 TO STA. 28+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	21
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				



NOTES



-  PCC DRIVEWAY - 6"
 -  AGGREGATE SURFACE, TYPE B
 -  INCIDENTAL HMA SURFACING
- HMA SURFACE REMOVAL 2.0"
(ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville_Rd_FAS508-Plan_6 [Sheet]
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BA BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
2140 WEST LAMAR ST. JOLIET, ILL. 62650
PHONE: 217-248-4146 FAX: 217-248-4119
ILLINOIS TRM REGISTRATION NO. 18-000832

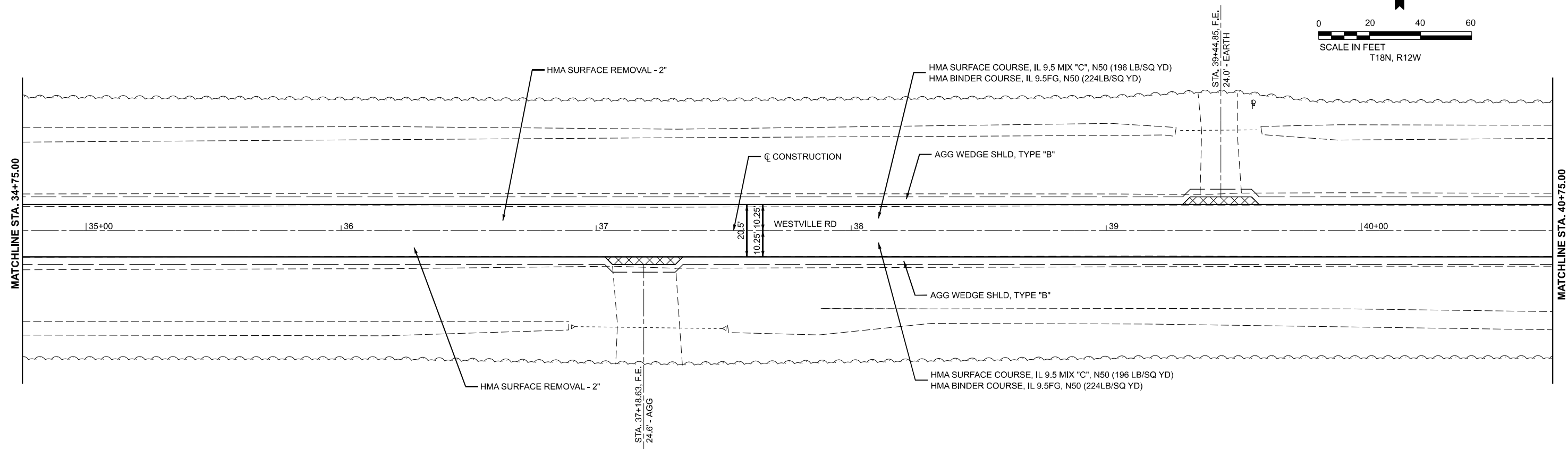
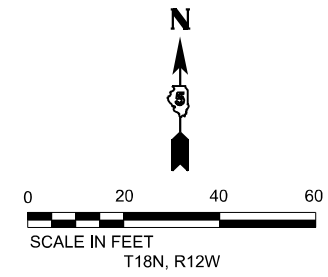
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PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS WESTVILLE RD			
SCALE: 1"=20'	SHEET 6	OF 26 SHEETS	STA. 28+75.00 TO STA. 34+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	22
			CONTRACT NO. 90392	
			ILLINOIS FED. AID PROJECT	

*FAS 508/FAU 7019



NOTES

- PCC DRIVEWAY - 6"
- AGGREGATE SURFACE, TYPE B
- INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville Rd, FAS508-Plan 7 (Sheet)
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BA BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 1970 WEST LAVERETTE AVE.
 JACKSONVILLE, IL 62650
 PHONE: 217-245-4148 FAX: 217-245-4149
 IL DESIGN TRM REGISTRATION NO. 184-00482

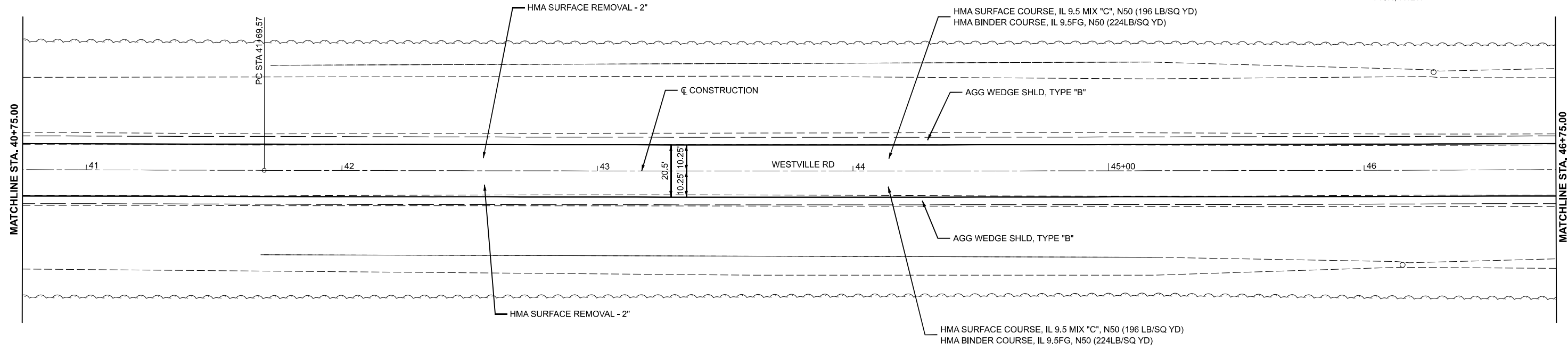
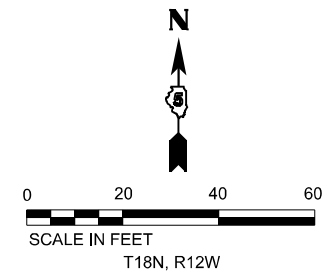
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**


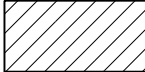
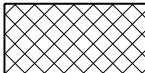
**PLAN SHEETS
 WESTVILLE RD**

SCALE: 1"=20' SHEET 7 OF 26 SHEETS STA. 34+75.00 TO STA. 40+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	23
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				



NOTES

-  PCC DRIVEWAY - 6"
-  AGGREGATE SURFACE, TYPE B
-  INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville_Rd_FAS508-Plan_8 (Sheet)
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BA BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 1070 WEST LAMARITE AVE.
 JACKSONVILLE, IL 62692
 PHONE: 217-245-1143 FAX: 217-245-1149
 IL DESIGN FIRM REGISTRATION NO. 18-000832

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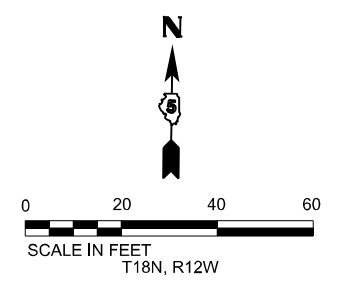
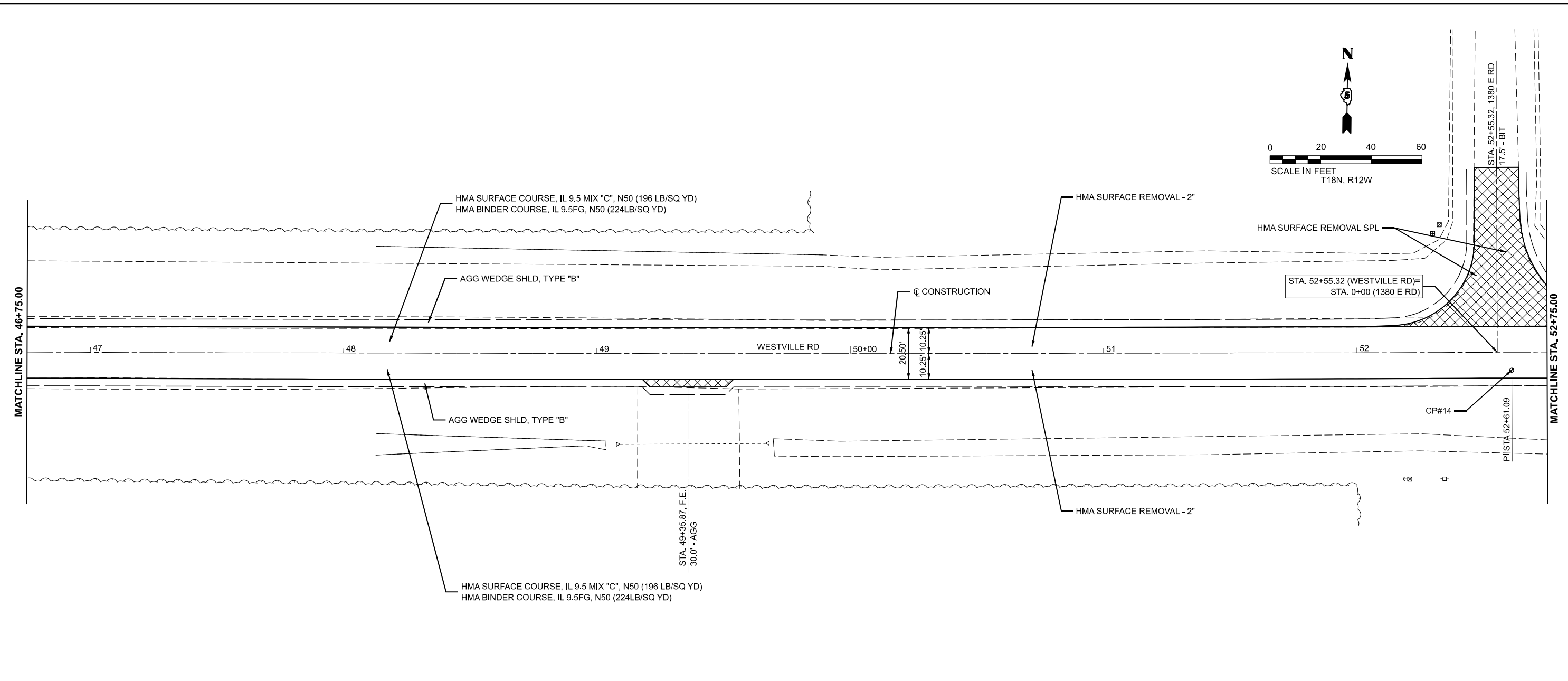
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
 WESTVILLE RD**

SCALE: 1"=20' SHEET 8 OF 26 SHEETS STA. 40+75.00 TO STA. 46+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	24
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

MODEL: FAS_508 - Westville Rd, FAS508-Plan 9 (Sheet)
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NOTES

- PCC DRIVEWAY - 6"
- AGGREGATE SURFACE, TYPE B
- INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

BA BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 1970 WEST LAMARTE AVE.
 JACKSONVILLE, IL 62650
 PHONE: 217-245-1146 FAX: 217-245-1149
 IL DESIGN FIRM REGISTRATION NO. 18-000897

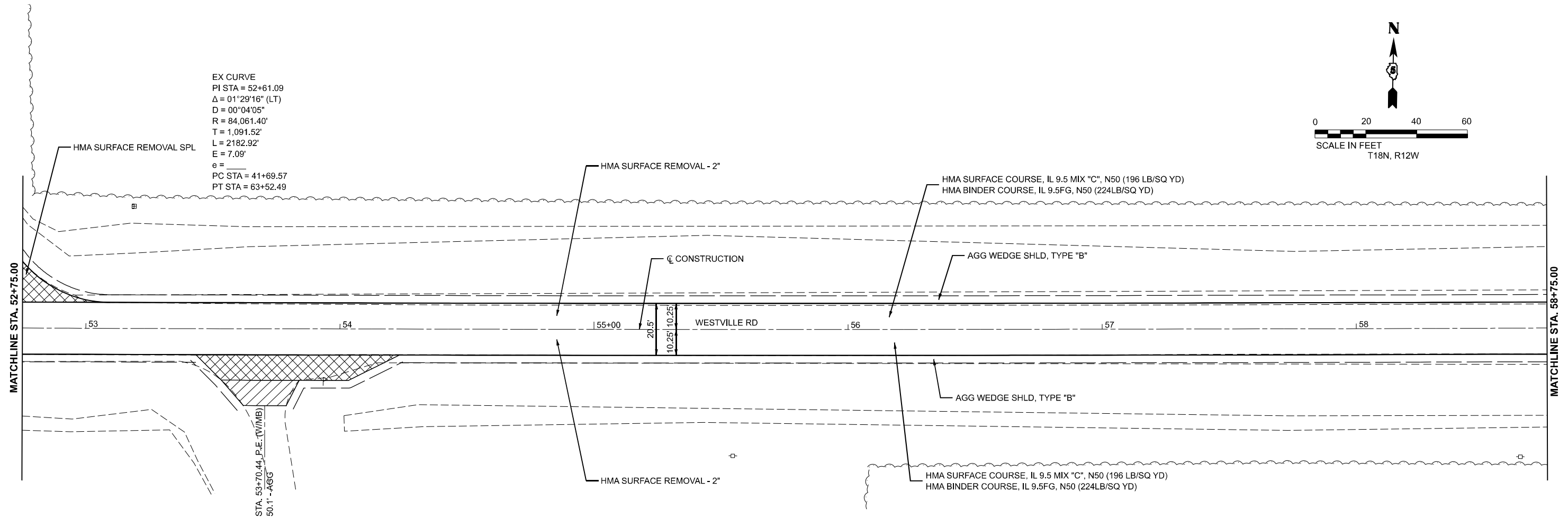
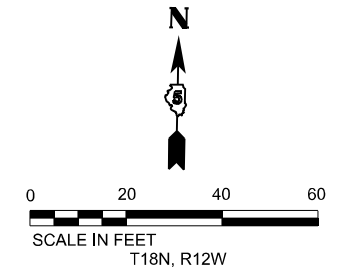
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PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**




PLAN SHEETS WESTVILLE RD			
SCALE: 1"=20'	SHEET 9	OF 26 SHEETS	STA. 46+75.00 TO STA. 52+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	25
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

EX CURVE
 PI STA = 52+61.09
 $\Delta = 01^{\circ}29'16''$ (LT)
 $D = 00^{\circ}04'05''$
 $R = 84.061.40'$
 $T = 1,091.52'$
 $L = 2182.92'$
 $E = 7.09'$
 $e =$
 PC STA = 41+69.57
 PT STA = 63+52.49



NOTES

-  PCC DRIVEWAY - 6"
-  AGGREGATE SURFACE, TYPE B
-  INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS 508 - Westville Rd, FAS508-Plan 10 (Sheet)
 FILE NAME: P:\22E2703-4-30392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\580392-shr-plan.dgn



BENTON & ASSOCIATES, INC. CONSULTING ENGINEERS / LAND SURVEYORS 1510 WEST LAVERETTE AVE. JACKSONVILLE, IL 62650 PHONE: 217-234-4146 FAX: 217-234-4149 IL DESIGN FIRM REGISTRATION NO. 184-000552	USER NAME = rshaw	DESIGNED - DSR	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 0.16666633' / in.	CHECKED - WJS	REVISED -
	PLOT DATE = 1/23/2024	DATE - JANUARY 24, 2024	REVISED -

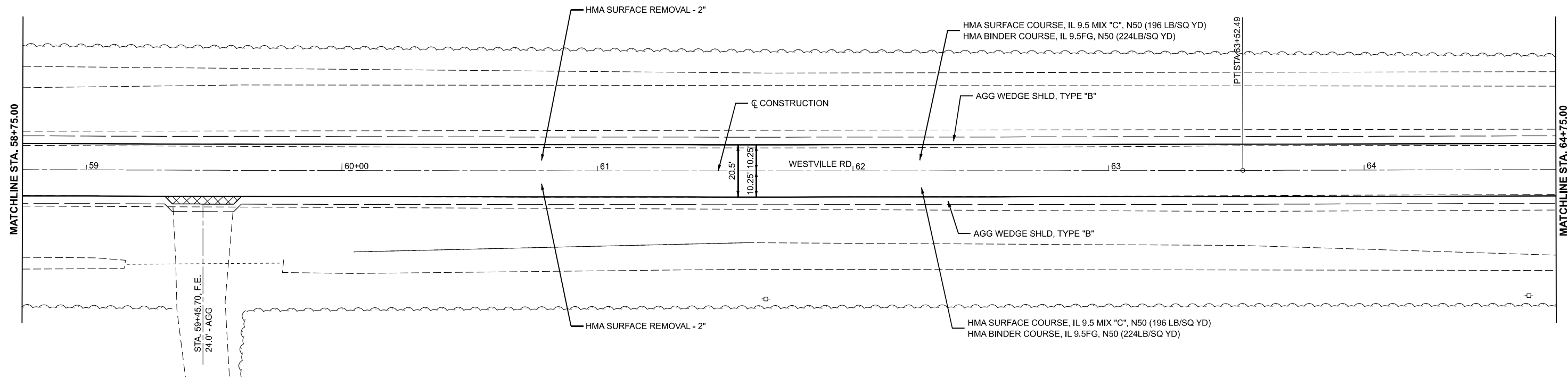
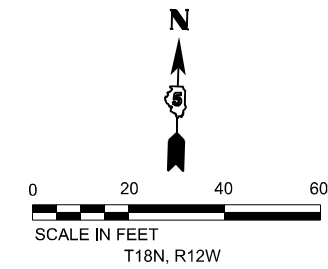
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
 WESTVILLE RD**




SCALE: 1"=20' SHEET 10 OF 26 SHEETS STA. 52+75.00 TO STA. 58+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	26
			CONTRACT NO. 90392	
ILLINOIS FED. AID PROJECT				

*FAS 508/FAU 7015



NOTES

-  PCC DRIVEWAY - 6"
-  AGGREGATE SURFACE, TYPE B
-  INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville_Rd_FAS508-Plan 11 (Sheet)
 FILE NAME: P:\22E3703-4 - 90392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\580392-shr-plan.dgn

BA
 BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 3370 WEST LAKEVIEW AVE.
 JACKSONVILLE, IL 62650
 PHONE: 217-219-1110 FAX: 217-219-1111
 ILL. DESIGN FIRM REGISTRATION NO. 18-000052

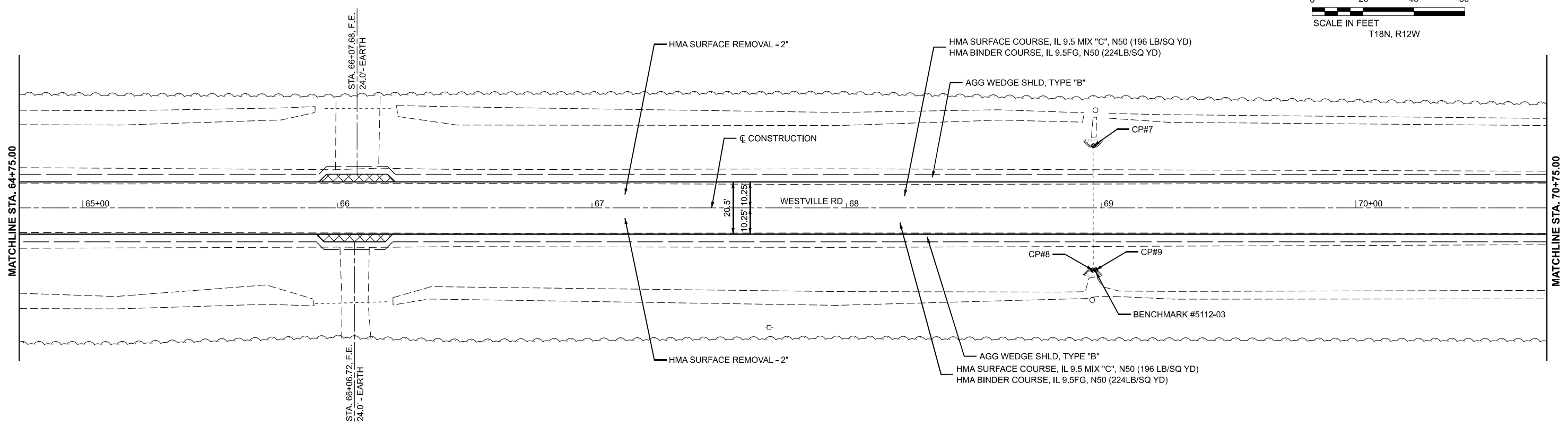
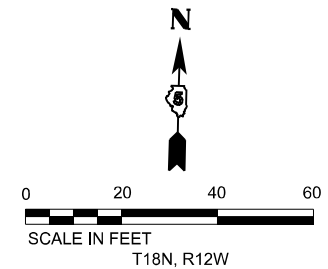
USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - RDS	REVISED -
PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



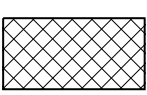
**PLAN SHEETS
 WESTVILLE RD**

SCALE: 1"=20' SHEET 11 OF 26 SHEETS STA. 58+75.00 TO STA. 64+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	27
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				



NOTES

-  PCC DRIVEWAY - 6"
-  AGGREGATE SURFACE, TYPE B
-  INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville_Rd_FAS508-Plan 12 (Sheet)
 FILE NAME: P:\22E3703-4 - 30392 Westville PS&E\90392 Section 40(W.RS)\CADD Sheets\508392-shr-plan.dgn

BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS & LAND SURVEYORS
 1310 WEST LAKEVIEW AVE.
 JACKSONVILLE, IL 62650
 PHONE: 217-205-4188 FAX: 217-205-4189
 IL SURV. PERM. REGISTRATION NO. 194-000352

USER NAME = rshaw	DESIGNED - DSR	REVISED -
DRAWN - RDS	CHECKED - WJS	REVISED -
PLOT SCALE = 0.16666633' / in.	DATE - JANUARY 24, 2024	REVISED -
PLOT DATE = 1/23/2024		

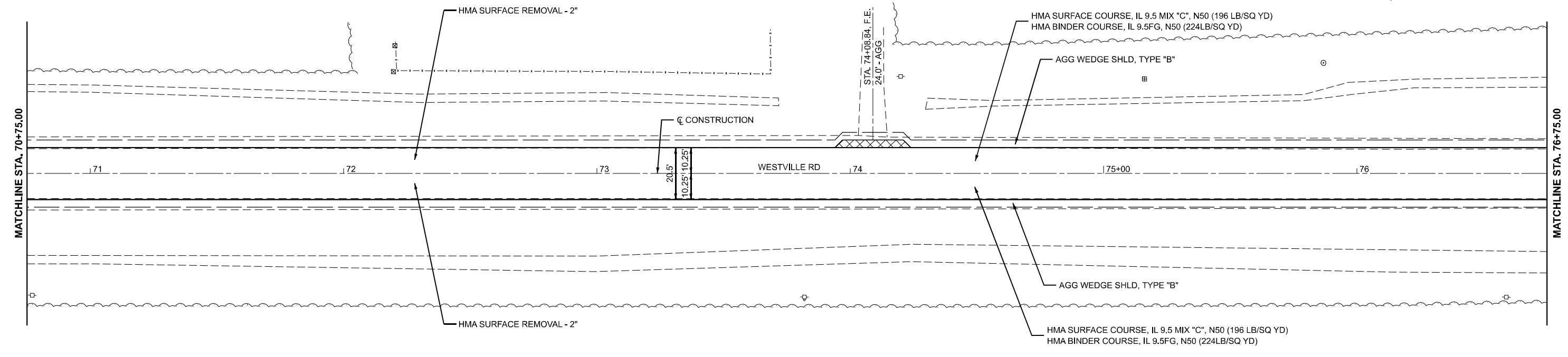
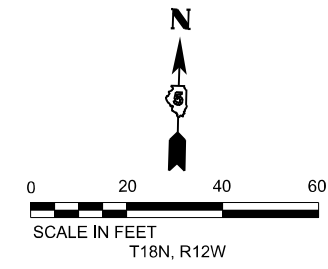
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
 WESTVILLE RD**

SCALE: 1"=20' SHEET 12 OF 26 SHEETS STA. 64+75.00 TO STA. 70+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	28
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

*FAS 508/FAU 7019 •



NOTES

- PCC DRIVEWAY - 6"
- AGGREGATE SURFACE, TYPE B
- INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville Rd, FAS508-Plan 13 (Sheet)
 FILE NAME: P:\22E3703-4 - 90392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\590392-shr-plan.dgn

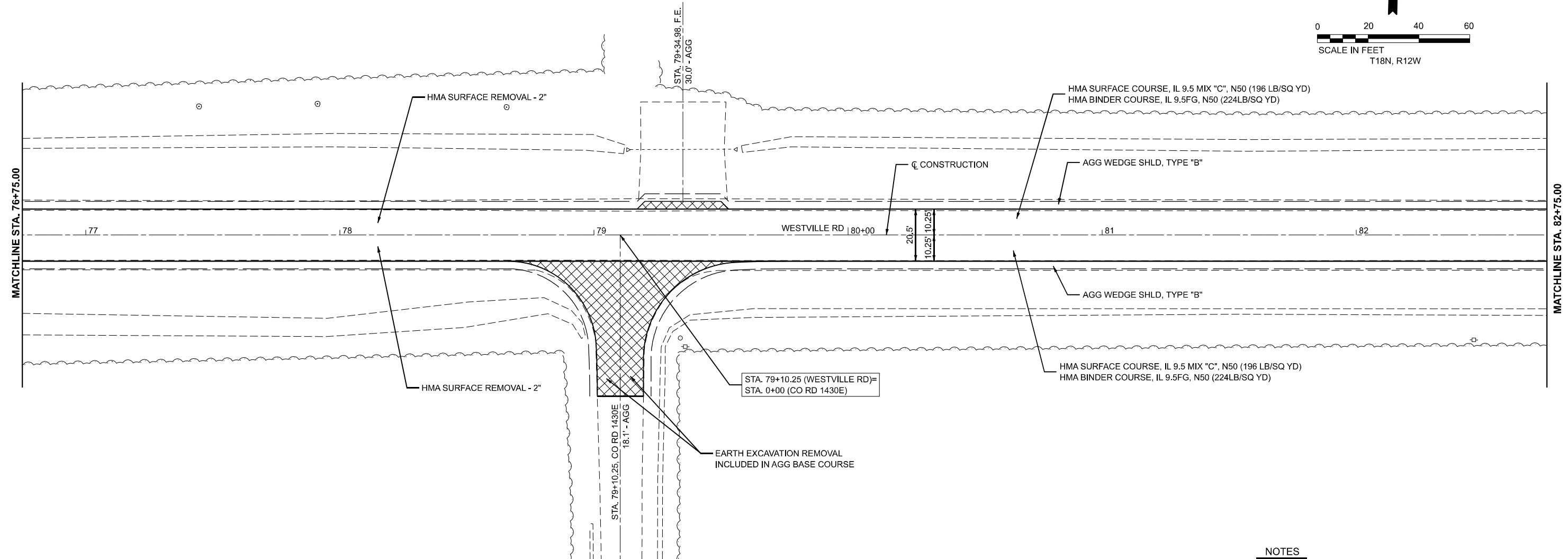
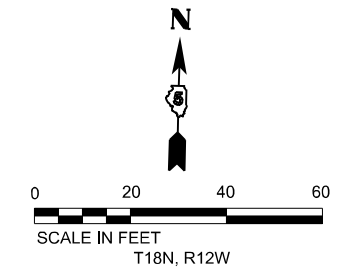
BA
 BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 1970 WEST LAVETTE AVE.
 ROCKFORD, IL 61109
 PHONE: 217-243-1140 FAX: 217-243-1189
 IL DESIGN FIRM REGISTRATION NO. 184-000932

USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - RDS	REVISED -
PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -




**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS WESTVILLE RD	
SCALE: 1"=20'	SHEET 13 OF 26 SHEETS
STA. 70+75.00	TO STA. 76+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	29
CONTRACT NO. 90392				
		ILLINOIS	FED. AID PROJECT	



NOTES

-  PCC DRIVEWAY - 6"
-  AGGREGATE SURFACE, TYPE B
-  INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville Rd, FAS508-Plan 14 (Sheet)
 FILE NAME: P:\22E2703-4 - 30392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\580392-sht-plan.dgn

BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 3910 WEST LAVERGNE AVE.
 JACKSONVILLE, IL 62650
 PHONE: 217.275.4148 FAX: 217.275.4149
 IL DESIGN FIRM REGISTRATION NO. 184-000052

USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666833' / in.	DRAWN - RDS	REVISED -
PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

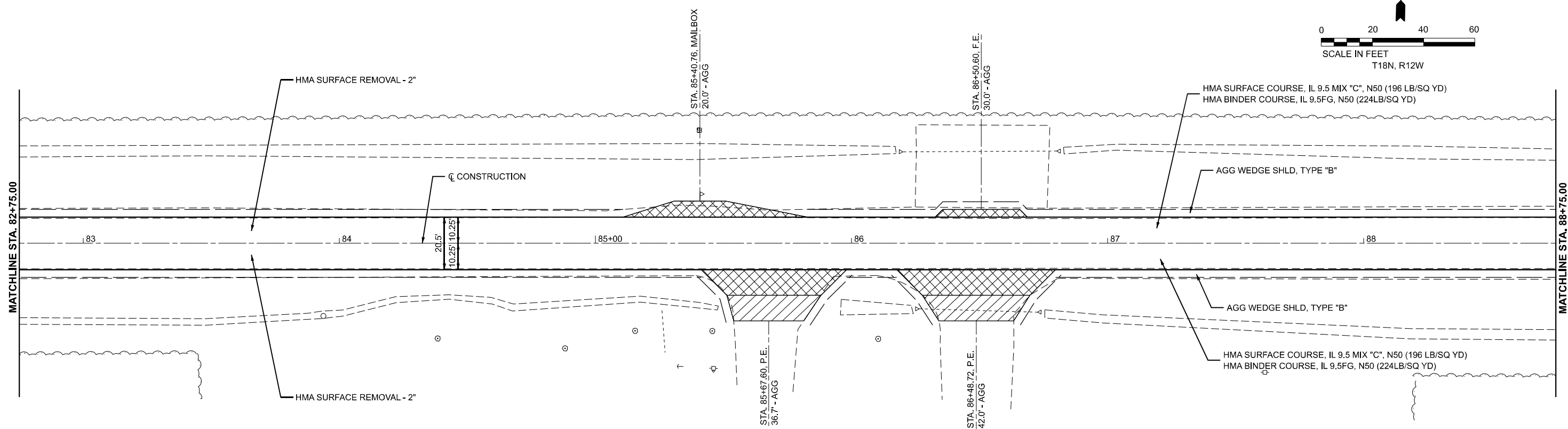
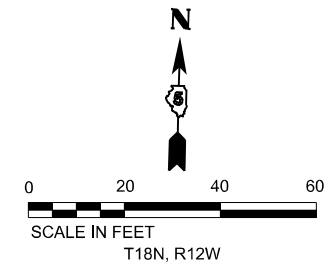
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
 WESTVILLE RD**



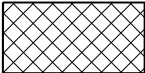
SCALE: 1"=20' SHEET 14 OF 26 SHEETS STA. 76+75.00 TO STA. 82+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	30
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

*FAS 508/FAU 7019



NOTES

-  PCC DRIVEWAY - 6"
-  AGGREGATE SURFACE, TYPE B
-  INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville Rd, FAS508-Plan 15 (Sheet)
 FILE NAME: P:\22E3703-4 - 30392, Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-shr-plan.dgn



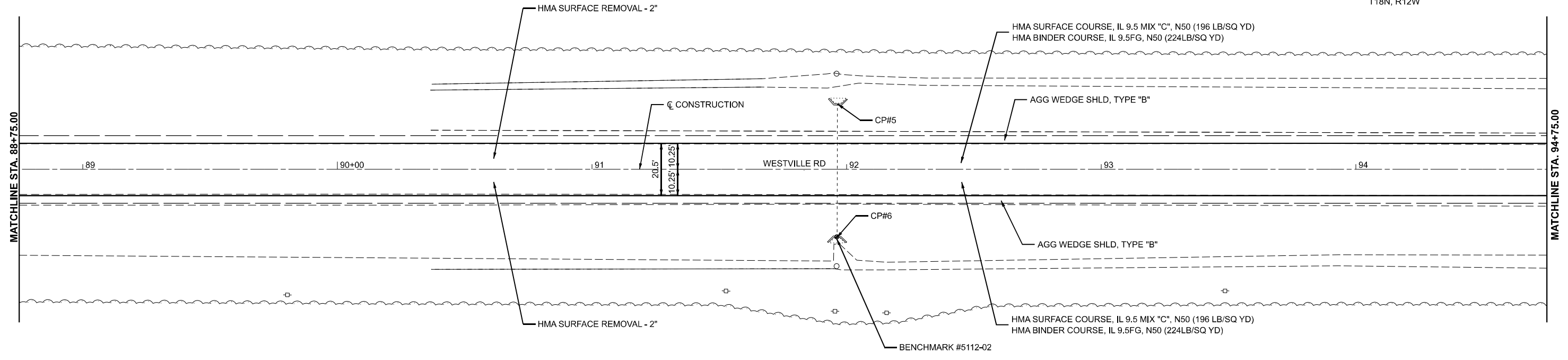
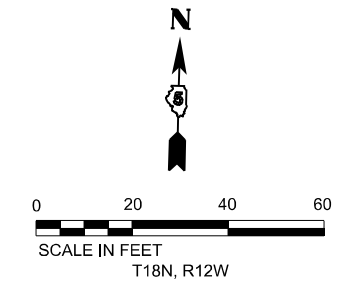
BENTON & ASSOCIATES, INC. CONSULTING ENGINEERS / LAND SURVEYORS 1870 WEST LAWNHETTE AVE. JACKSONVILLE, IL 61830 PHONE: 217-265-0186 FAX: 217-265-4149 IL DESIGN FIRM REGISTRATION NO. 184-000852	USER NAME = rshaw	DESIGNED - DSR	REVISED -
	PLOT SCALE = 0.16666633' / in.	DRAWN - RDS	REVISED -
	PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
		DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

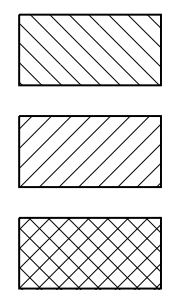
**PLAN SHEETS
 WESTVILLE RD**

SCALE: 1"=20' SHEET 15 OF 26 SHEETS STA. 82+75.00 TO STA. 88+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	31
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				



NOTES



- PCC DRIVEWAY - 6"
- AGGREGATE SURFACE, TYPE B
- INCIDENTAL HMA SURFACING
- HMA SURFACE REMOVAL 2.0"
(ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
- SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville Rd, FAS508-Plan 16 (Sheet)
 FILE NAME: P:\22E2703-4 - 90392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\16590392-sht-plan.dgn

BA
 BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 1910 WEST LAFAYETTE AVE.
 WESTVILLE, IL 60550
 PHONE: 717.225.1148 FAX: 717.225.1149
 IL DESIGN FIRM REGISTRATION NO. 124-00282

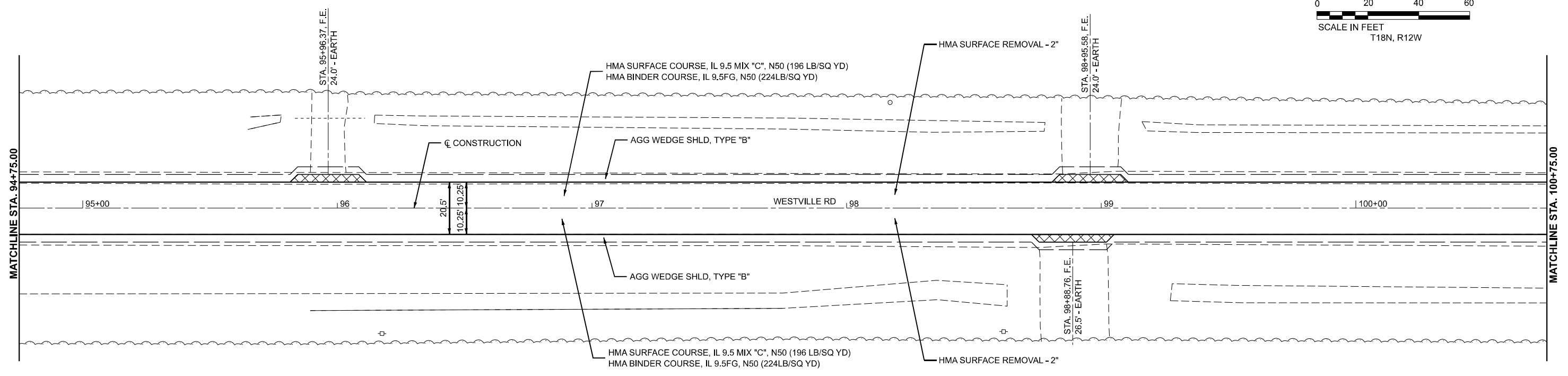
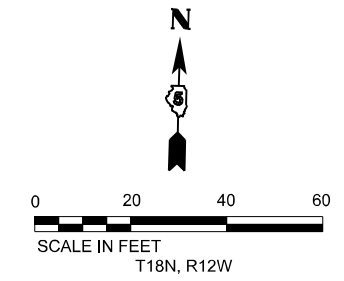
USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - RDS	REVISED -
PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**


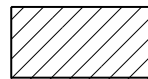

PLAN SHEETS WESTVILLE RD	
SCALE: 1"=20'	SHEET 16 OF 26 SHEETS
STA. 88+75.00	TO STA. 94+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	32
CONTRACT NO. 90392				
		ILLINOIS	FED. AID PROJECT	

*FAS 508/FAU 7019



NOTES

-  PCC DRIVEWAY - 6"
-  AGGREGATE SURFACE, TYPE B
-  INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville Rd, FAS508-Plan 17 (Sheet)
 FILE NAME: P:\22E2703-4 - 90392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\5080392-sht-plan.dgn

BA
 BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 3370 WEST LAURETTE AVE.
 JACKSONVILLE, IL 62650
 PHONE: 217-245-4180 FAX: 217-245-4149
 IL DESIGN FIRM REGISTRATION NO. 184-000552

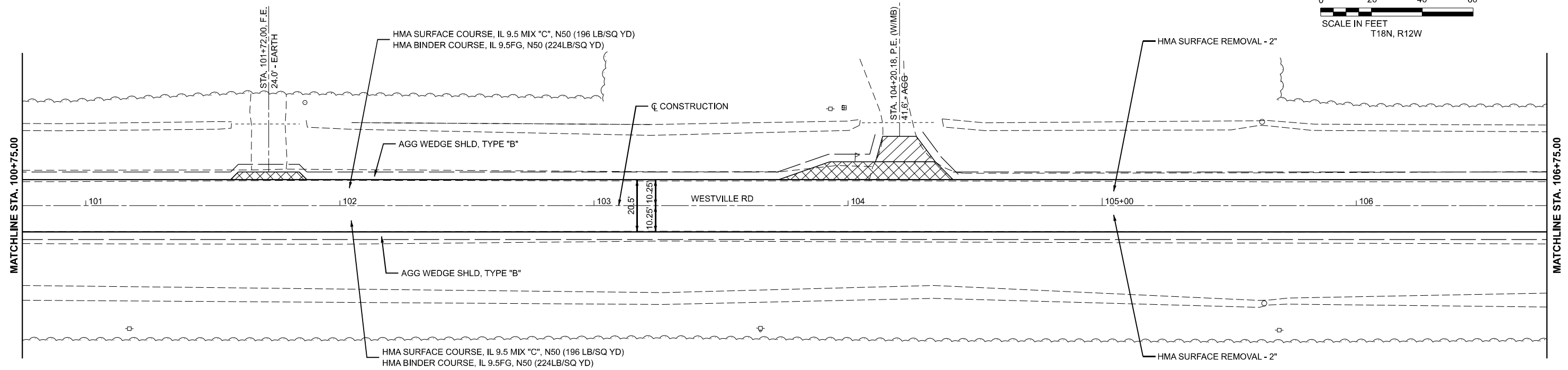
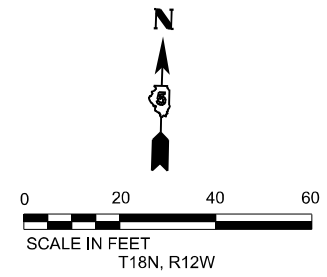
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DRAWN - RDS	REVISIONS	
PLOT SCALE = 0.16666633' / in.	CHECKED - WJS	REVISED -
PLOT DATE = 1/23/2024	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

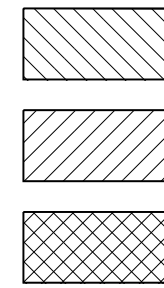
**PLAN SHEETS
 WESTVILLE RD**

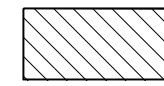
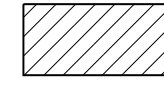
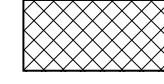
SCALE: 1"=20' SHEET 17 OF 26 SHEETS STA. 94+75.00 TO STA. 100+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	33
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				



NOTES



-  PCC DRIVEWAY - 6"
 -  AGGREGATE SURFACE, TYPE B
 -  INCIDENTAL HMA SURFACING
- HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville Rd, FAS508-Plan 18 (Sheet)
 FILE NAME: P:\22E3703-4 - 30392, Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-shr-plan.dgn

BA BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 1270 WEST LAMAR AVENUE
 JACKSONVILLE, IL 62650
 PHONE: 217-245-4146 FAX: 217-245-4149
 IL DESIGN FIRM REGISTRATION NO. 184-000852

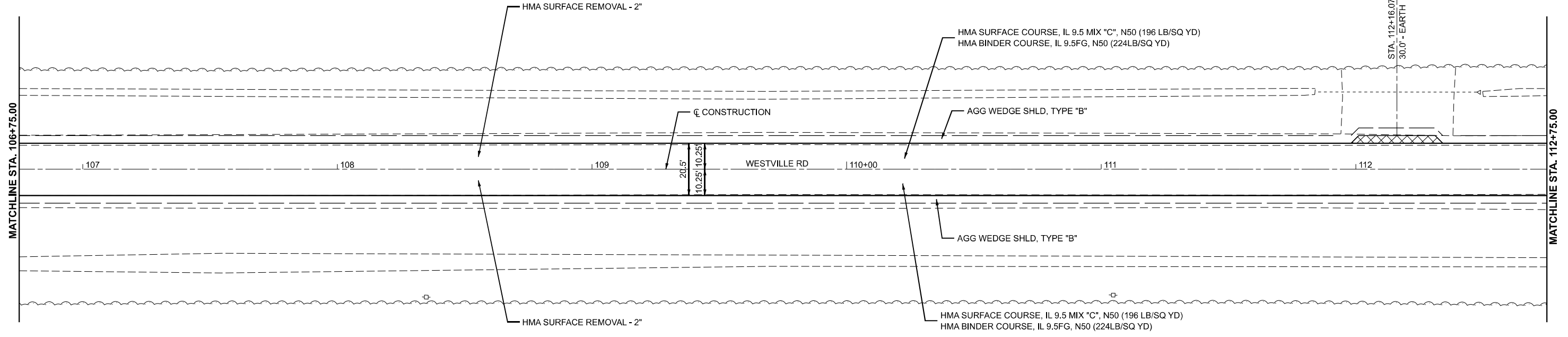
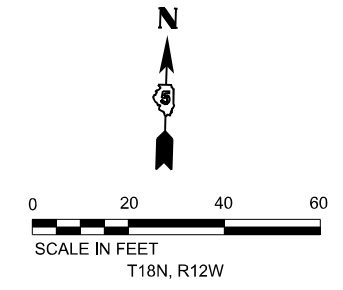
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PLOT SCALE = 0.16666833' / in.	DRAWN - RDS	REVISED -
PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



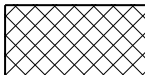
**PLAN SHEETS
 WESTVILLE RD**

SCALE: 1"=20' SHEET 18 OF 26 SHEETS STA. 100+75.00 TO STA. 106+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	34
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				



NOTES

-  PCC DRIVEWAY - 6"
-  AGGREGATE SURFACE, TYPE B
-  INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville Rd, FAS508-Plan 19 (Sheet)
 FILE NAME: P:\22E3703-4 - 30392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\508392-shr-plan.dgn

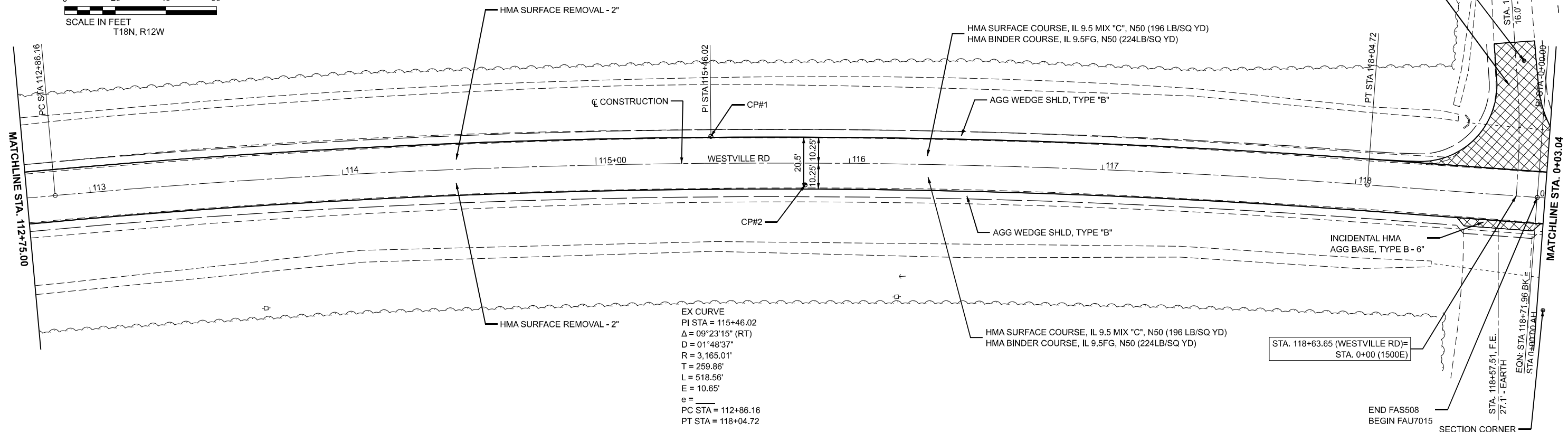
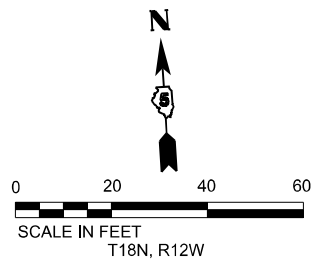
BA
 BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS - LAND SURVEYORS
 3707 WEST LAHARRETT DRIVE
 JACKSONVILLE, IL 62650
 PHONE: 217-245-4140 FAX: 217-245-1119
 IL DESIGN FIRM REGISTRATION NO. 1346000392

USER NAME = rshaw	DESIGNED - DSR	REVISED -
	DRAWN - RDS	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED - WJS	REVISED -
PLOT DATE = 1/23/2024	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS WESTVILLE RD	
SCALE: 1"=20'	SHEET 19 OF 26 SHEETS
STA. 106+75.00	TO STA. 112+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	35
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				



EX CURVE
 PI STA = 115+46.02
 $\Delta = 09^{\circ}23'15"$ (RT)
 $D = 01^{\circ}48'37"$
 $R = 3,165.01'$
 $T = 259.86'$
 $L = 518.56'$
 $E = 10.65'$
 $e =$
 PC STA = 112+86.16
 PT STA = 118+04.72

2 **2**
 118+71.96 = 0+00

NOTES

- PCC DRIVEWAY - 6"
- AGGREGATE SURFACE, TYPE B
- INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville Rd, FAS508-Plan 20 (Sheet)
 FILE NAME: P:\22E2703-4 - 30392, Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\5080392-shr-plan.dgn

BA BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 1973 WEST LANETTE AVE.
 JACKSONVILLE, IL 62650
 PHONE: 217-245-4146 FAX: 217-245-4149
 IL DESIGN FROM REGISTRATION NO. 184-008932

USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666633 / in.	DRAWN - RDS	REVISED -
PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
 WESTVILLE RD**

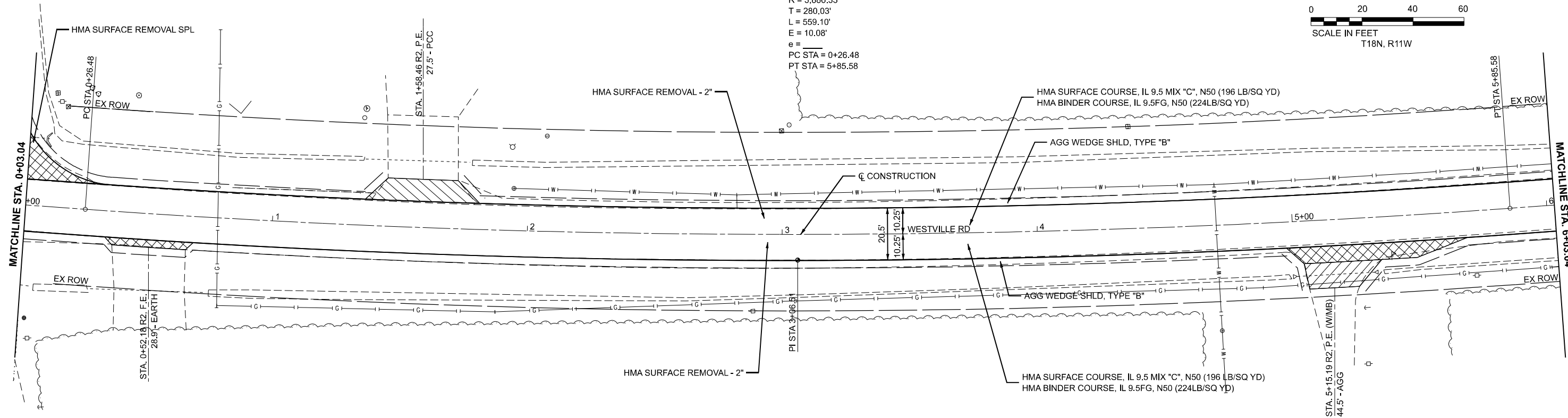
SCALE: 1"=20' SHEET 20 OF 26 SHEETS STA. 112+75.00 TO STA. 0+03.04 R2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	36
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				


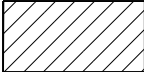
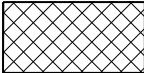
*FAS 508/FAU 7015



EX CURVE
 PI STA = 3+06.51
 $\Delta = 08^{\circ}14'34''$ (LT)
 $D = 01^{\circ}28'27''$
 $R = 3,886.33'$
 $T = 280.03'$
 $L = 559.10'$
 $E = 10.08'$
 $e =$
 PC STA = 0+26.48
 PT STA = 5+85.58



NOTES

-  PCC DRIVEWAY - 6"
-  AGGREGATE SURFACE, TYPE B
-  INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville Rd, FAS508-Plan 21 (Sheet)
 FILE NAME: P:\22E3703-4 - 30392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\5080392-shr-plan.dgn



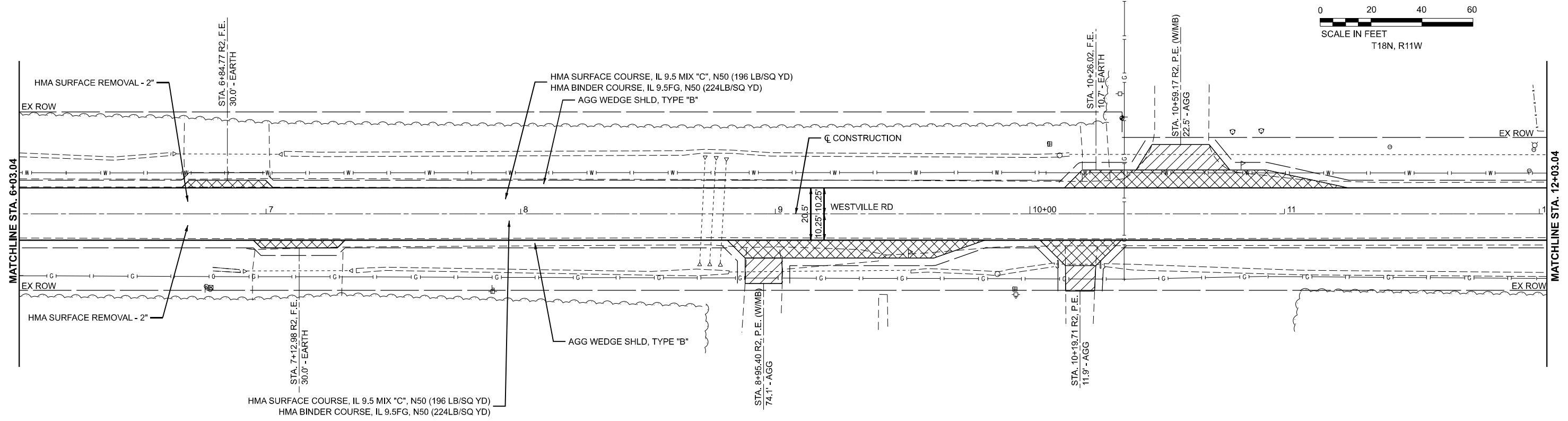
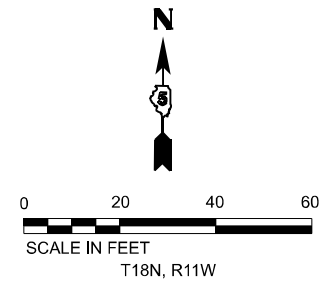
USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - RDS	REVISED -
PLOT DATE = 1/24/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**


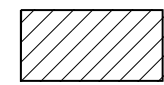
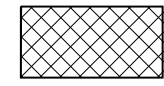
**PLAN SHEETS
 WESTVILLE RD**

SCALE: 1"=20' SHEET 21 OF 26 SHEETS STA. 0+03.04 R2 TO STA. 6+03.04 R2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	37
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				



NOTES

-  PCC DRIVEWAY - 6"
-  AGGREGATE SURFACE, TYPE B
-  INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville Rd, FAS508-Plan 22 (Sheet)
 FILE NAME: P:\22E3703-4 - 30392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\580392-shr-plan.dgn

BA BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 1910 WEST LAFAYETTE, #105
 JACKSONVILLE, IL 62650
 PHONE: 217-245-1400 FAX: 217-245-1409
 IL DESIGN FIRM REGISTRATION NO. 18-0-00652

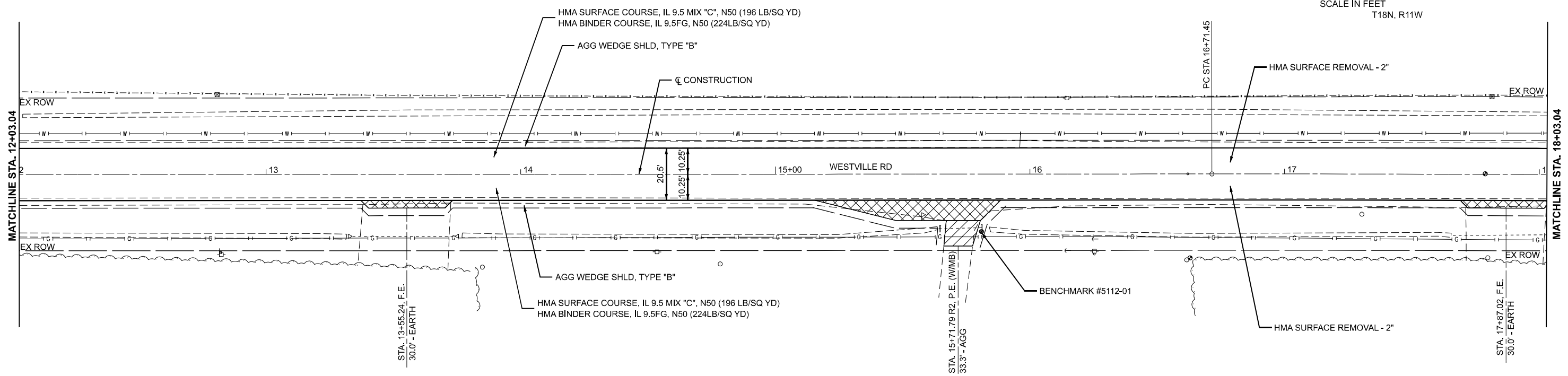
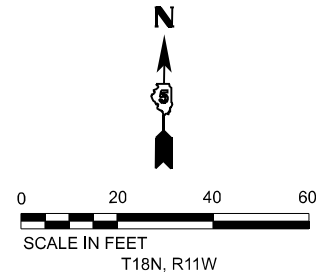
USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - RDS	REVISED -
PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



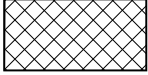
**PLAN SHEETS
 WESTVILLE RD**

SCALE: 1"=20' SHEET 22 OF 26 SHEETS STA. 6+03.04 R2 TO STA. 12+03.04 R2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	38
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				



NOTES

-  PCC DRIVEWAY - 6"
-  AGGREGATE SURFACE, TYPE B
-  INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
(ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS 508 - Westville Rd, FAS508-Plan 23 (Sheet)
FILE NAME: \\BA-FILE2\Projects\2E3703-4 - 90392 Westville_PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-sh-plan.dgn



BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
1110 WEST LAMAR ST. #600
JACKSONVILLE, IL 62650
PHONE: 217-224-4146 FAX: 217-224-5449
IL DESIGN FIRM REGISTRATION NO. 18-000052

USER NAME = druholl	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666833' / in.	DRAWN - RDS	REVISED -
PLOT DATE = 1/25/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

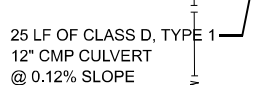
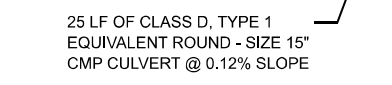
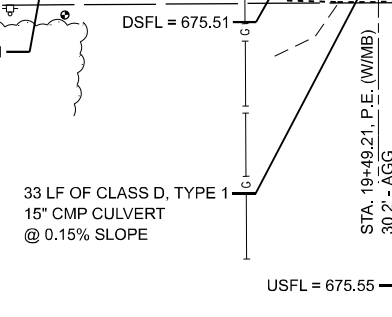
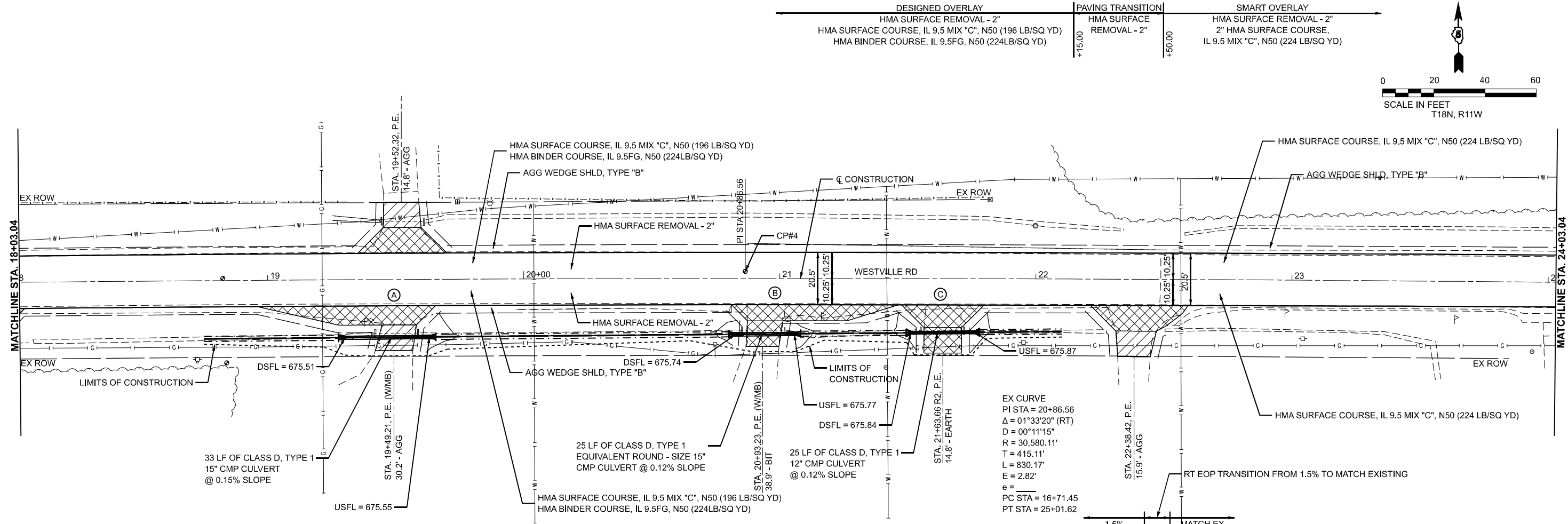
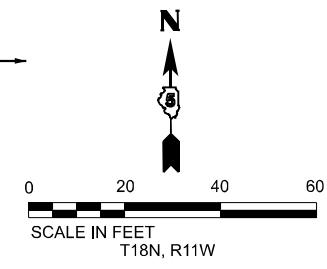
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
WESTVILLE RD**

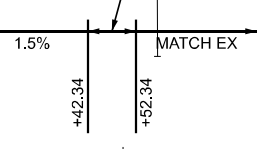
SCALE: 1"=20' SHEET 23 OF 26 SHEETS STA. 12+03.04 R2 TO STA. 18+03.04 R2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	39
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

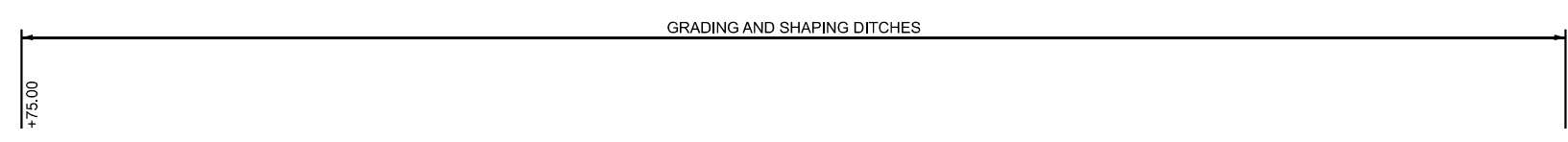
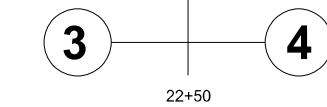
*FAS 508/FAU 7019



EX CURVE
 PI STA = 20+86.56
 $\Delta = 01^{\circ}33'20''$ (RT)
 $D = 00^{\circ}11'15''$
 $R = 30,580.11'$
 $T = 415.11'$
 $L = 830.17'$
 $E = 2.82'$
 $e =$
 $PC STA = 16+71.45$
 $PT STA = 25+01.62$



- (A) SLOPES METAL END SECTION, STANDARD 542411, 15" 1:6
 - (B) STEEL FLARED END SECTIONS, EQUIVALENT ROUND - SIZE 15"
 - (C) STEEL FLARED END SECTION
- CULVERT FLOWLINE ELEVATIONS ARE TO END OF PIPE INVERT



- NOTES**
- PCC DRIVEWAY - 6"
 - AGGREGATE SURFACE, TYPE B
 - INCIDENTAL HMA SURFACING
- HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville Rd, FAS508-Plan 24 (Sheet)
 FILE NAME: P:\22E2703-4 - 30392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\580392-shr-plan.dgn

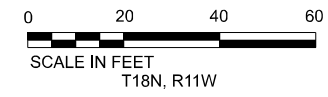
BA BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS & LAND SURVEYORS
 1910 WEST LAFAYETTE AVE.
 JACKSONVILLE, IL 62650
 PHONE: 217-245-4146 FAX: 217-245-4149
 IL DESIGN FIRM REGISTRATION NO. 164-00082

USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - RDS	REVISED -
PLOT DATE = 1/25/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

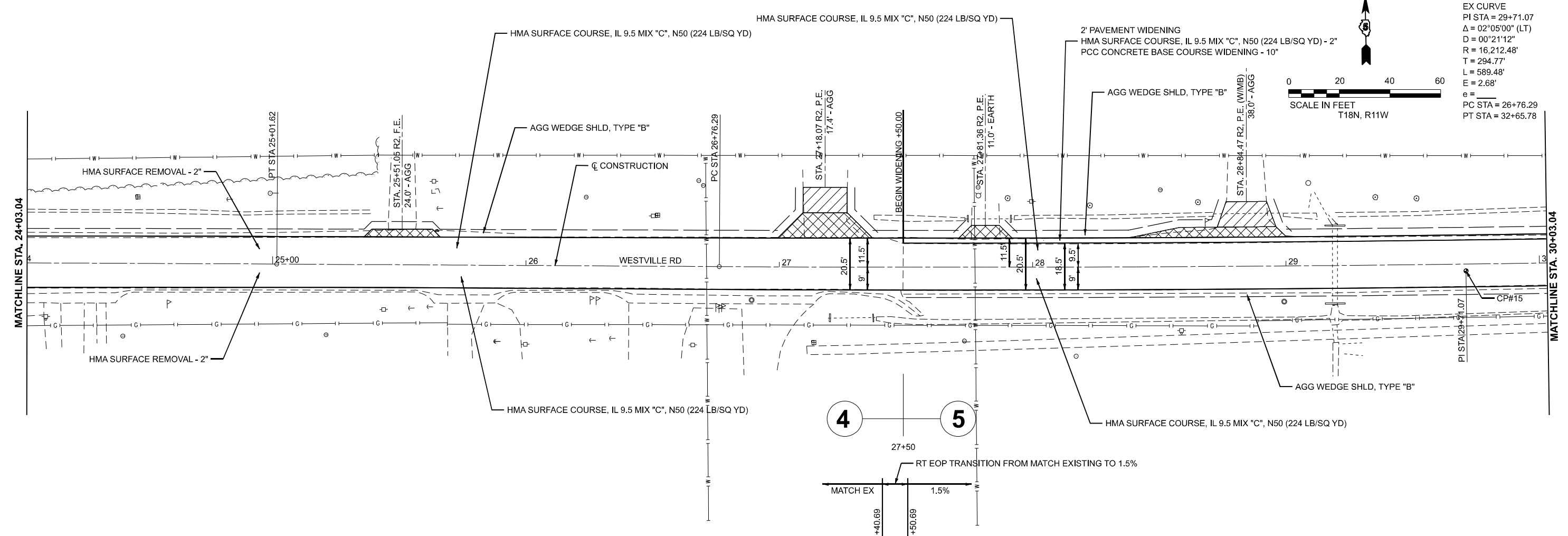
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS WESTVILLE RD	
SCALE: 1"=20'	SHEET 24 OF 26 SHEETS
STA. 18+03.04 R2	TO STA. 24+03.04 R2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	40
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				



EX CURVE
 PI STA = 29+71.07
 $\Delta = 02^{\circ}05'00''$ (LT)
 $D = 00^{\circ}21'12''$
 $R = 16,212.48'$
 $T = 294.77'$
 $L = 589.48'$
 $E = 2.68'$
 $e =$
 PC STA = 26+76.29
 PT STA = 32+65.78



NOTES

- PCC DRIVEWAY - 6"
- AGGREGATE SURFACE, TYPE B
- INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL

MODEL: FAS_508 - Westville Rd, FAS508-Plan 25 (Sheet)
 FILE NAME: P:\22E2703-4-30392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\589392-shr-plan.dgn

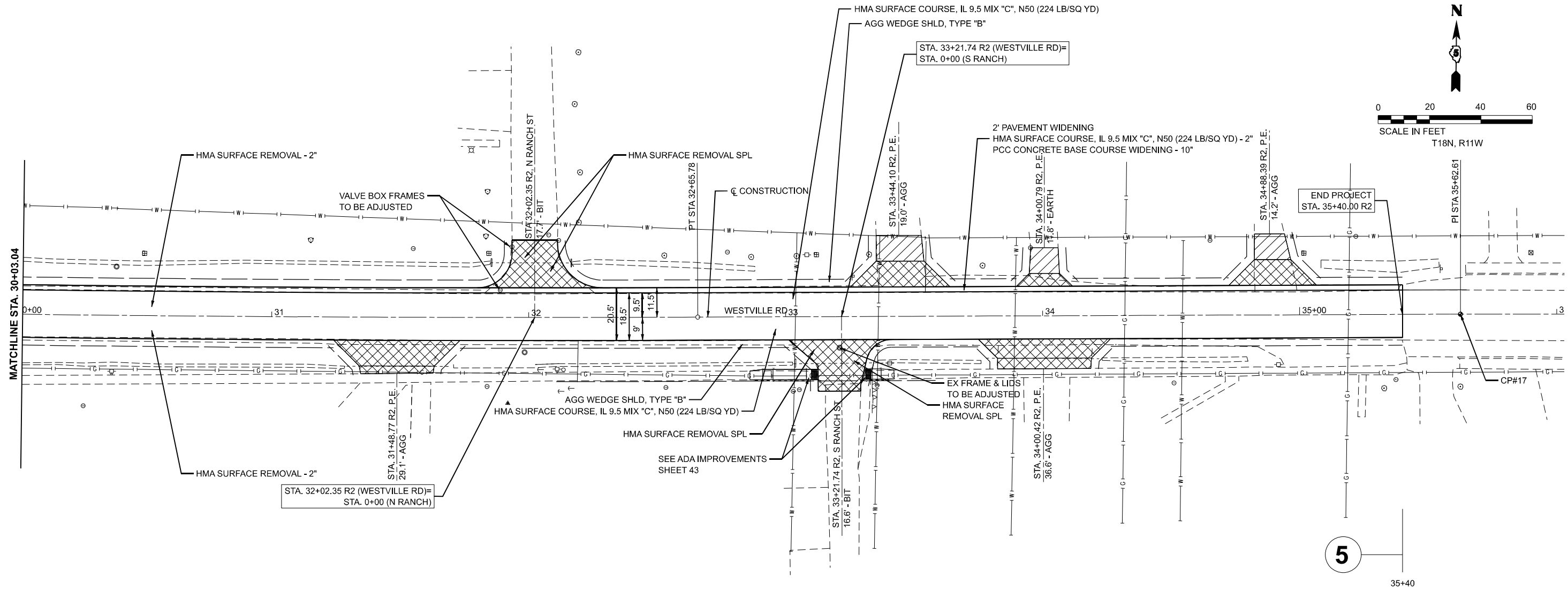
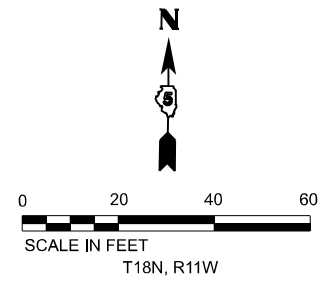
BA BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 2570 WEST LAURETTE AVE.
 JACKSONVILLE, IL 62650
 PHONE: 217-245-1146 FAX: 217-245-1149
 IL DESIGN FIRM REGISTRATION NO. 184-00862

USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - RDS	REVISED -
PLOT DATE = 1/25/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS WESTVILLE RD	
SCALE: 1"=20'	SHEET 25 OF 26 SHEETS
STA. 24+03.04 R2	TO STA. 30+03.04 R2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	41
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				



5

NOTES

- PCC DRIVEWAY - 6"
- AGGREGATE SURFACE, TYPE B
- INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL 2.0"
 (ALL MAINLINE LOCATIONS UNLESS OTHERWISE SHOWN)
 SEE SIDE ROAD & ENTRANCE SCHEDULE FOR ADDITIONAL DETAIL
 SEE ADA IMPROVEMENT DETAIL SHEET FOR ADA IMPROVEMENTS

MODEL: FAS_508 - Westville Rd, FAS508-Plan 26 (Sheet)
 FILE NAME: P:\22E2703-4 - 30392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\508392-sht-plan.dgn

BA BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 1310 WEST LAMAR STREET, SUITE 100
 JACKSONVILLE, IL 62202
 PHONE: 217-245-1144 FAX: 217-245-1149
 LICENSE FROM REGISTRATION NO. 18-000302

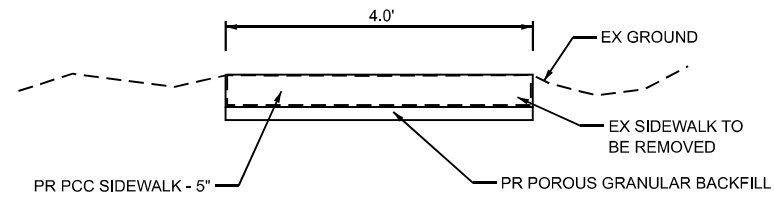
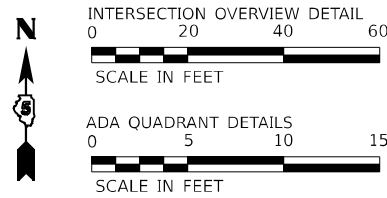
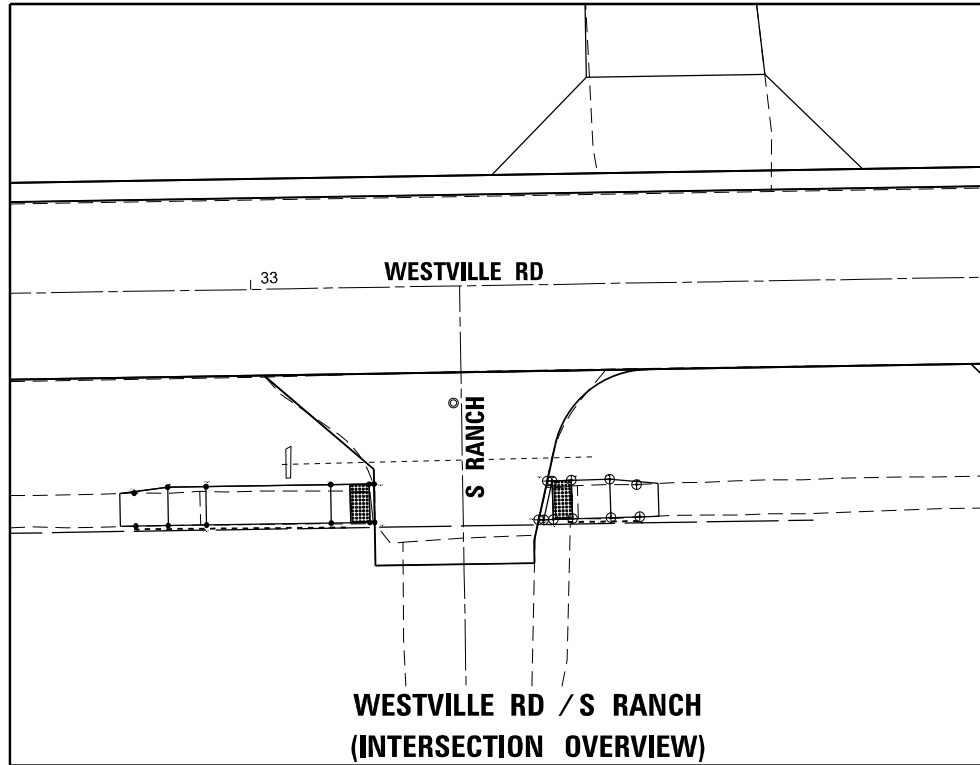
USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - RDS	REVISED -
PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
 WESTVILLE RD**

SCALE: 1"=20' SHEET 26 OF 26 SHEETS STA. 30+03.04 R2 TO STA. 36+03.04 R2

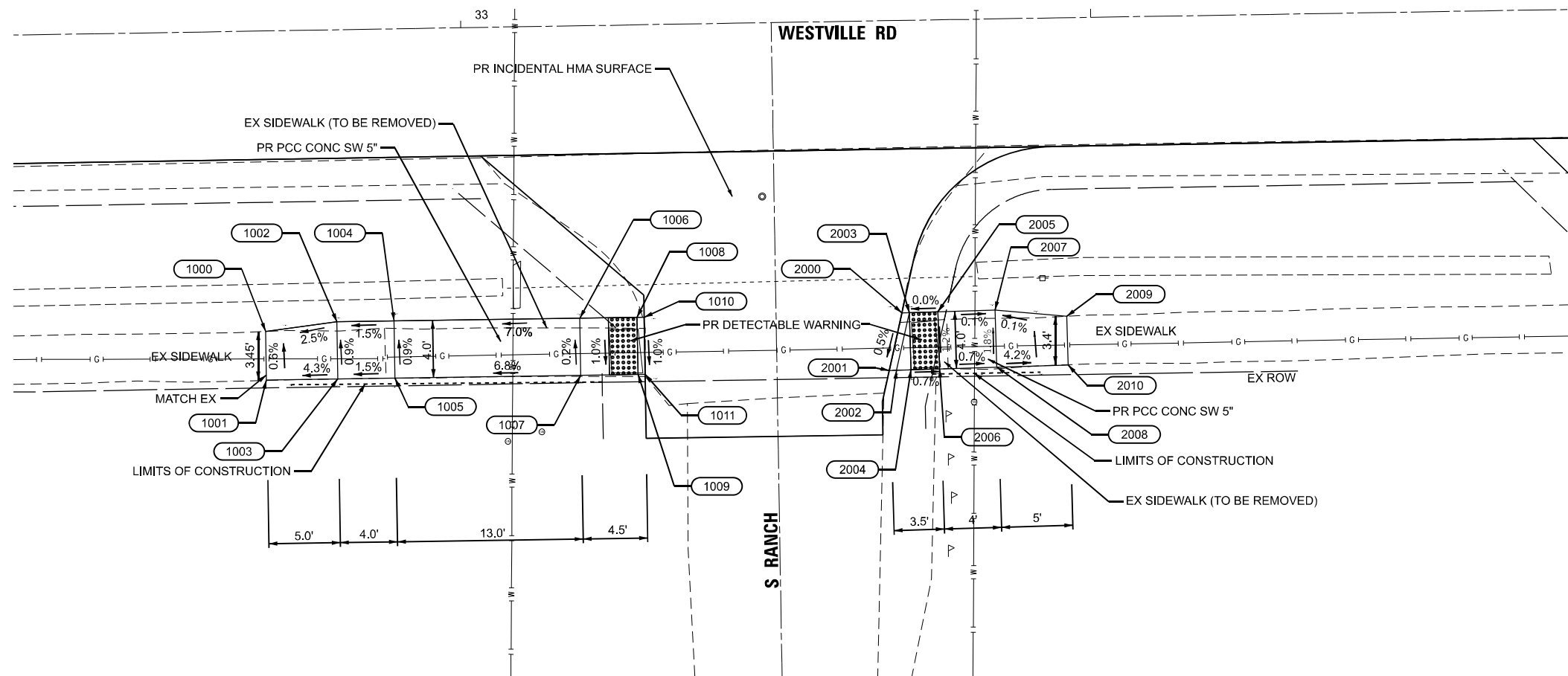
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	42
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				



TYPICAL SIDEWALK DETAIL
N.T.S.

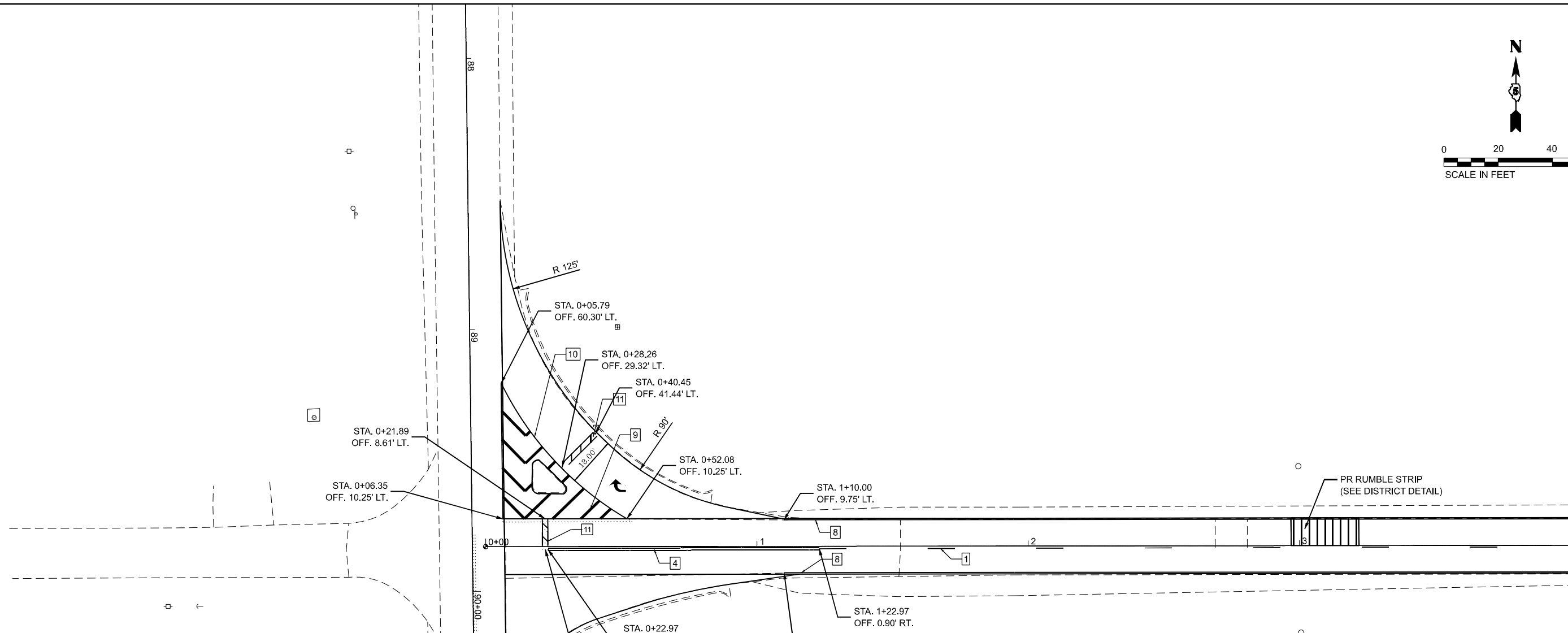
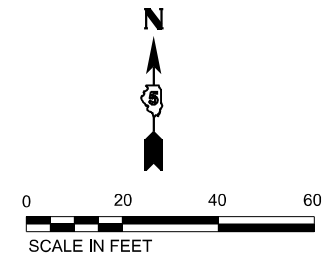
WEST S RANCH				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1000	1230134.922	1176805.995	±677.64	SIDEWALK (MATCH EX)
1001	1230131.481	1176806.182	±677.62	SIDEWALK (MATCH EX)
1002	1230135.532	1176809.488	677.74	SIDEWALK
1003	1230131.532	1176809.549	677.77	SIDEWALK
1004	1230135.592	1176813.488	677.80	SIDEWALK
1005	1230131.593	1176813.548	677.83	SIDEWALK
1006	1230135.789	1176826.487	678.71	SIDEWALK
1007	1230131.789	1176826.547	678.72	SIDEWALK
1008	1230135.849	1176830.486	677.78	SIDEWALK
1009	1230131.849	1176830.552	678.74	EDGE OF PAVEMENT
1010	1230135.856	1176830.986	±678.79	PR HMA PAVEMENT
1011	1230131.857	1176831.052	±678.75	PR HMA PAVEMENT

EAST S RANCH				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
2000	1230136.165	1176849.032	±678.79	PR HMA PAVEMENT
2001	1230132.136	1176848.146	±678.77	PR HMA PAVEMENT
2002	1230132.140	1176848.672	678.77	SIDEWALK
2003	1230136.180	1176849.548	678.79	SIDEWALK
2004	1230132.182	1176849.668	678.76	SIDEWALK
2005	1230136.240	1176851.547	678.79	SIDEWALK
2006	1230132.242	1176851.667	678.74	SIDEWALK
2007	1230136.360	1176855.545	678.78	SIDEWALK
2008	1230132.362	1176855.665	678.71	SIDEWALK
2009	1230135.811	1176858.335	±678.82	SIDEWALK (MATCH EX)
2010	1230132.453	1176858.678	±678.59	SIDEWALK (MATCH EX)



MODEL: ADA Improvements (Sheet) FILE NAME: P:\2023\703-4-90392\Westville PS&E\90392-ADA Improvements.dgn

	BENTON & ASSOCIATES, INC. CONSULTING ENGINEERS / LAND SURVEYORS 1910 WEST LAFAYETTE AVE. BENTONVILLE, IL 62608 PHONE: 217-245-1480 FAX: 217-245-1489 IL DESIGN FIRM REGISTRATION NO. 18-000852	USER NAME = rshaw DESIGNED - DSR DRAWN - RDS CHECKED - WJS PLOT DATE = 1/25/2024	DESIGNED - DSR REVISIONS - RDS REVISIONS - RDS REVISIONS - RDS REVISIONS - RDS REVISIONS - RDS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA IMPROVEMENTS WESTVILLE RD	F.A. RTE. * SECTION 40(W,RS) COUNTY VERMILION TOTAL SHEETS 66 SHEET NO. 43 CONTRACT NO. 90392	SCALE: 1"=5' SHEET 1 OF 1 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT
	*FAS 508/FAU 7019							



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

MODEL: Sheet 1 (Sheet)
 FILE NAME: P:\22\2703-4 - 90392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-sh1-pmk.dgn

BA BENTON & ASSOCIATES, INC.
 CONSULTING ENGINEERS / LAND SURVEYORS
 1970 WEST LAURETTIE AVENUE
 JACKSONVILLE, IL 62203
 PHONE: 217-245-1146 FAX: 217-235-4149
 IL DESIGN FIRM REGISTRATION NO. 104-000852

USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - GJS	REVISED -
PLOT DATE = 1/25/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN SHEET
 WESTVILLE RD**

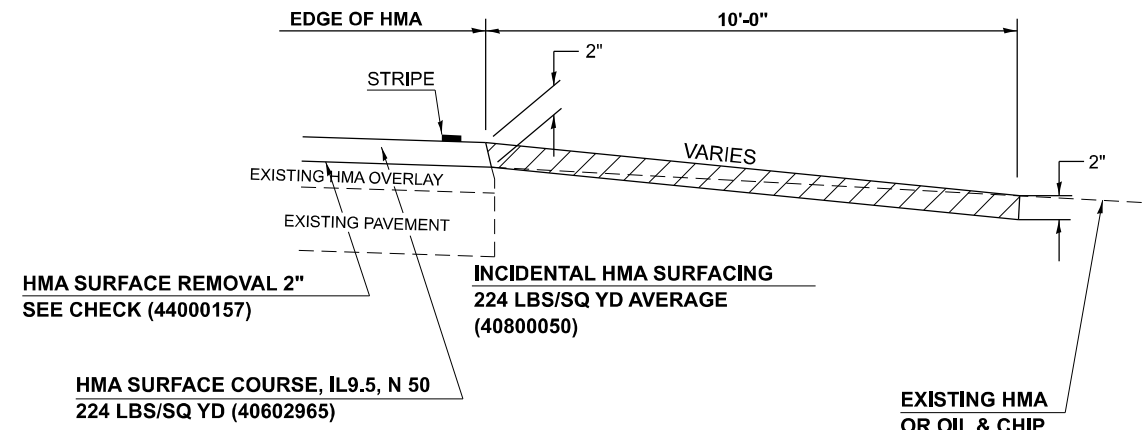
SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	44
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

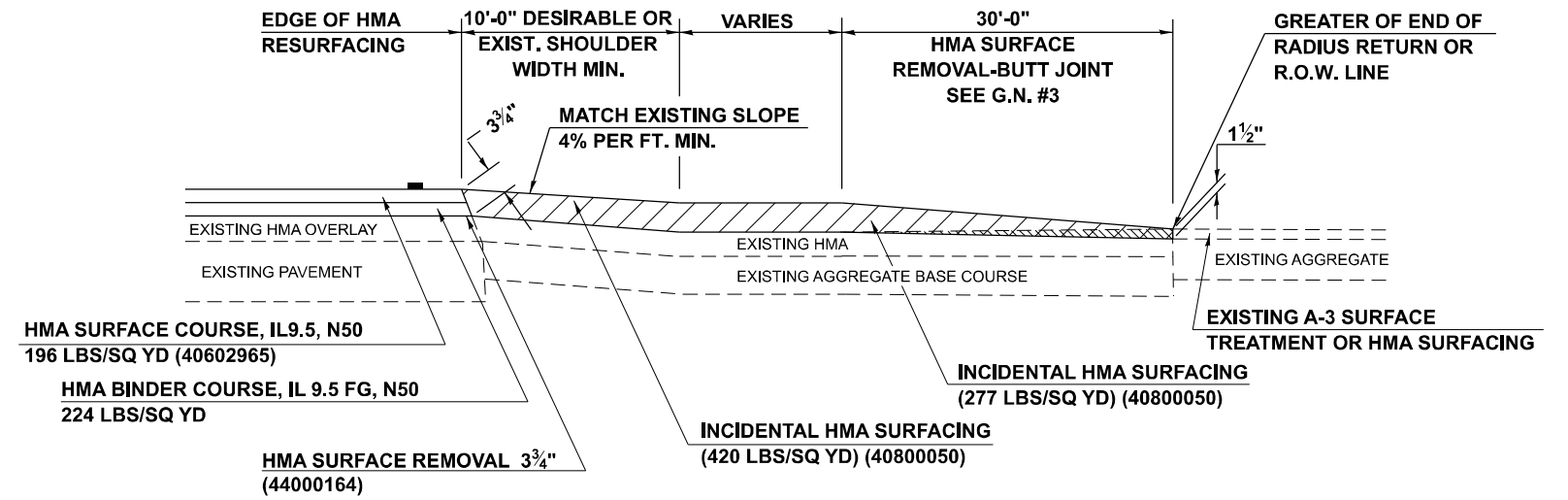
*FAS 508/FAU 7015

TYPICAL SIDEROAD & SIDE STREET DETAILS

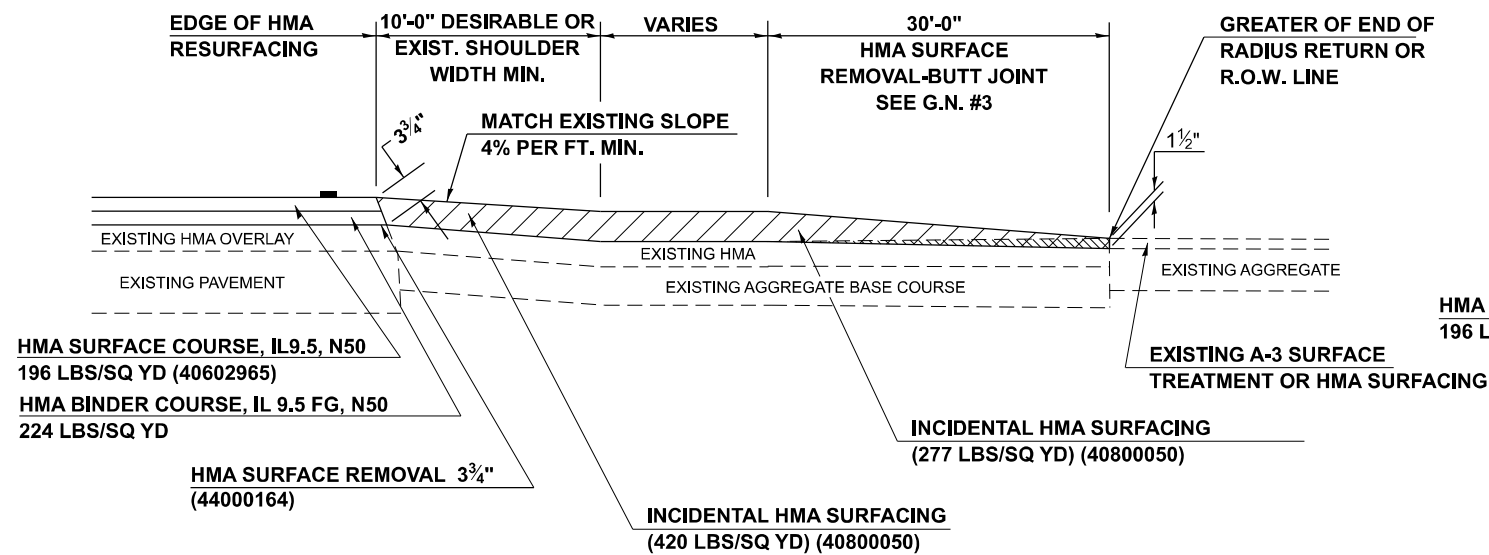
S.M.A.R.T. IMPROVEMENTS



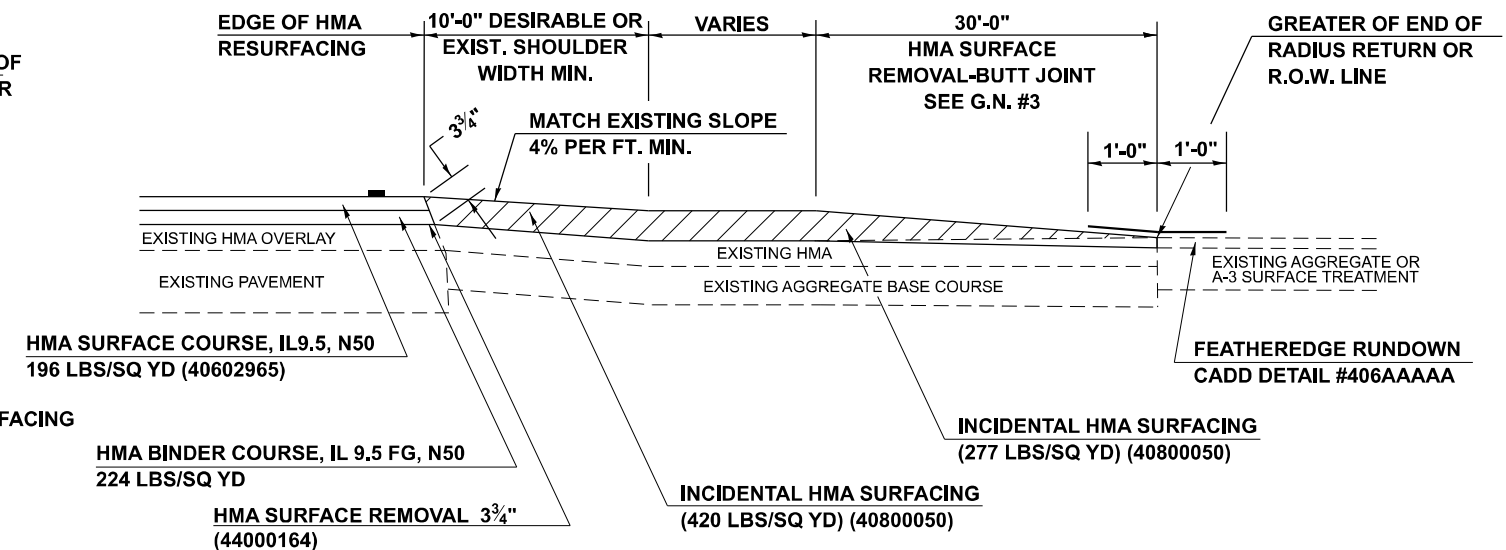
DESIGNED OVERLAY IMPROVEMENTS



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



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



NOTE: SEE SIDE ROAD AND ENTRANCE SCHEDULES FOR ADDITIONAL INFORMATION

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

MODEL: Details-1-1 (Sheet)
FILE NAME: P:\2022\703-4-30\392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-shr-details.dgn

BA
BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
1973 WEST LAVERGNE AVE.
JACKSONVILLE, IL 62650
PHONE: 217-245-4146 FAX: 217-245-4119
IL DESIGN FIRM REGISTRATION NO. 124-000832

USER NAME = rshaw
PLOT SCALE = 0.16666833 / in.
PLOT DATE = 1/23/2024

DESIGNED - DSR
DRAWN - GJS
CHECKED - WJS
DATE - JANUARY 24, 2024

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
WESTVILLE RD
SCALE: 1"=50'
SHEET 1 OF 7 SHEETS
STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	45
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

*FAS 508/FAU 7015

TYPICAL SIDEROAD & SIDE STREET DETAILS

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.

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 406AAAA			resurface existing configuration with the completion of a 10 ft. featheredge rundown for ALL sideroads as shown in district cadd detail 406AAAA		
RADIUS (FT)	30	30							
SHOULDER WIDTH (FT)	4	8	10						
SHOULDER SLOPE (%)	2	4	12						
ENTRANCE GRADE (%)	1	1 to 4	4						
BREAKOVER (%)	0	5	10						
SIDE SLOPE (FT)	1:10	1:6	1:4						
INTERSECTION ANGLE	60	75 to 90							
SURFACE TYPE									
INCIDENTAL HMA SURFACING (INCH)	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge		
AGGREGATE BASE COURSE, TYPE A (INCH)	8	4		if applicable use item: 35800100 Preparation of Base					
PCC PAVEMENT (INCH)		8							

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

MODEL: Details-2-1 (Sheet) FILE NAME: P:\2022\703-4-30\392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-sht-details.dgn

BA BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
2870 WEST LAVANETTE AVE.
MCKINNONVILLE, IL 62450
PHONE: 217-243-4148 FAX: 217-243-4149
IL DESIGN FIRM REGISTRATION NO. 134-000352

USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - GJS	REVISED -
PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

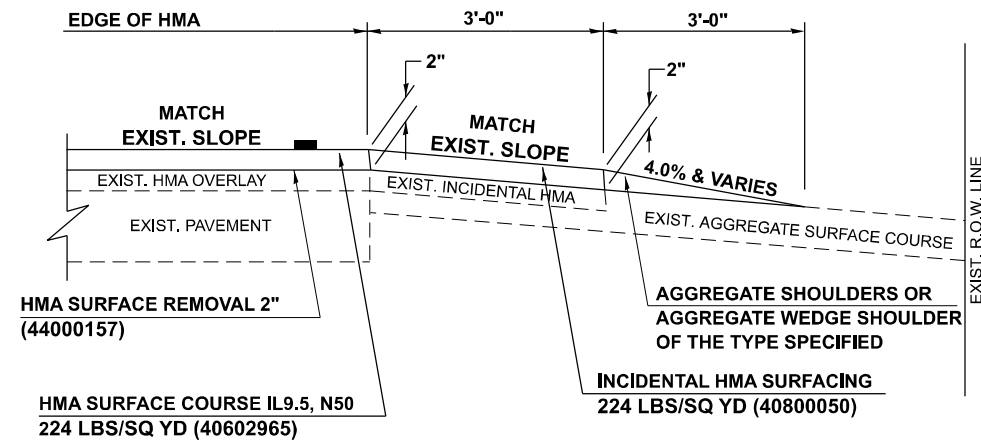
**CONSTRUCTION DETAILS
WESTVILLE RD**

SCALE: 1"=50' SHEET 2 OF 7 SHEETS STA. TO STA.

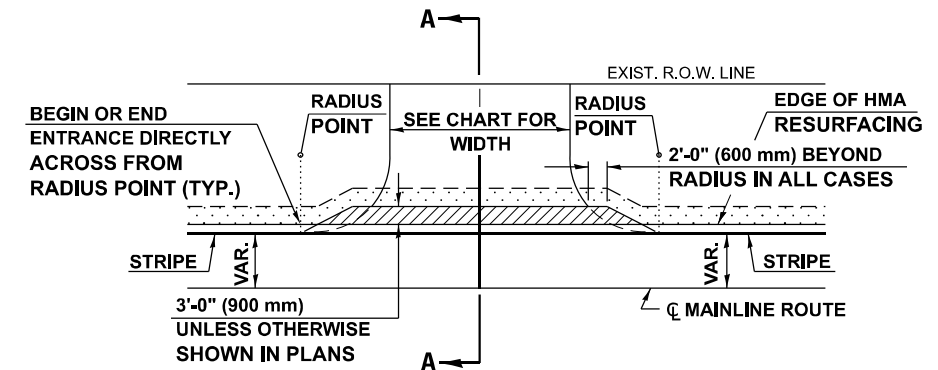
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	46
CONTRACT NO. 90392				
		ILLINOIS	FED. AID PROJECT	

TYPICAL FIELD ENTRANCE DETAILS

S.M.A.R.T. IMPROVEMENTS

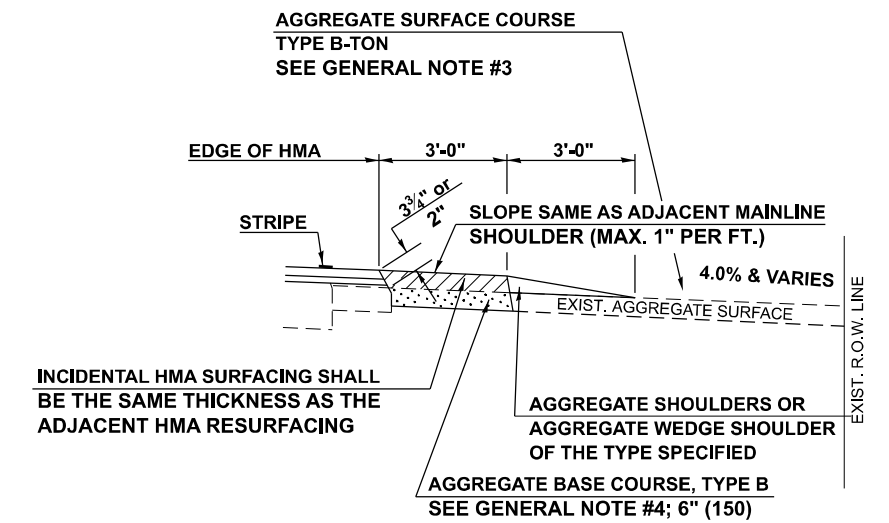
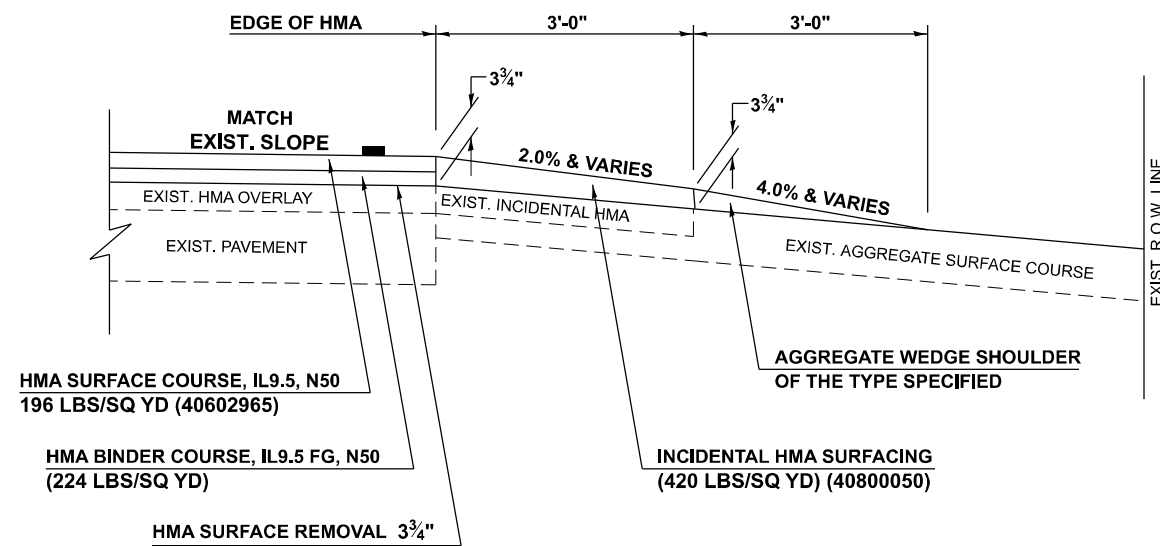


EXISTING AGGREGATE OR EARTH ENTRANCE



TYPICAL APPLICATION

DESIGNED OVERLAY IMPROVEMENTS



SECTION A-A

NOTE: SEE SIDE ROAD AND ENTRANCE SCHEDULES FOR ADDITIONAL INFORMATION

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

MODEL: Details- 3-1 (Sheet)
FILE NAME: P:\2022\703-4-30\392 Westville PS&E\90392-shr-details.dgn

BA
BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
3970 WEST LAFAYETTE AVE.
MCKEANVILLE, IL 62450
PHONE: 217-285-1140 FAX: 217-285-1139
IL DESIGN FIRM REGISTRATION NO. 184-00082

USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666833' / in.	DRAWN - GJS	REVISED -
PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS			
WESTVILLE RD			
SCALE: 1"=50'	SHEET 3	OF 7 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	47
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

*FAS 508/FAU 7015

TYPICAL FIELD ENTRANCE DETAILS

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						
SURFACE TYPE														
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" to minimize aggregate shoulder					
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable, use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02					
PCC DRIVEWAY PAVEMENT (INCH)		6						6 or 8						

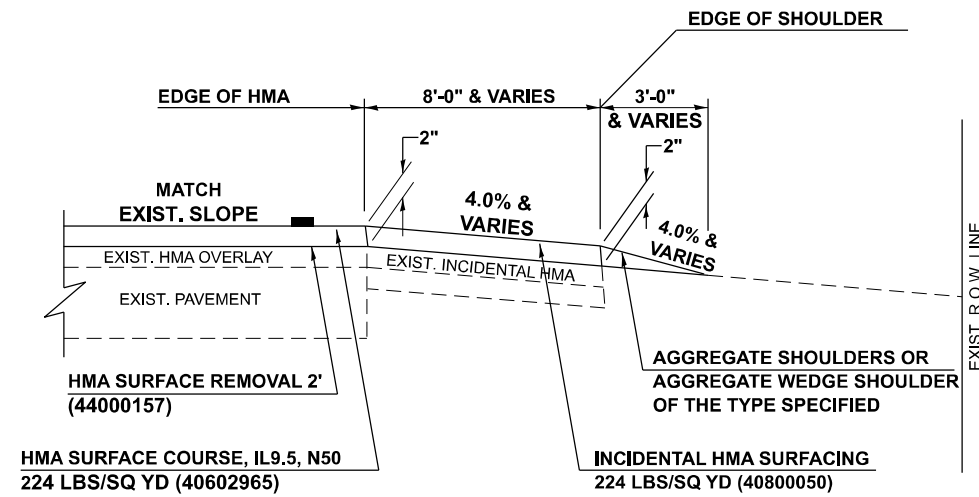
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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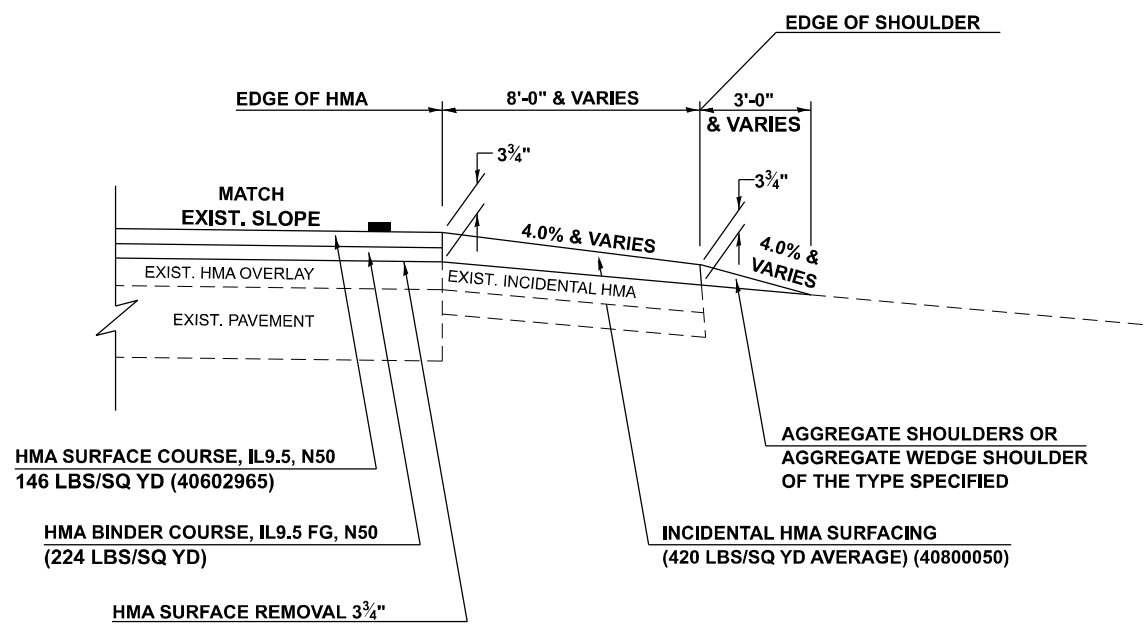
	BENTON & ASSOCIATES, INC. CONSULTING ENGINEERS / LAND SURVEYORS 1910 WEST LAUREL ST. #405 JACKSONVILLE, IL 62550 PHONE: 217-245-4186 FAX: 217-245-1189 IL DESIGN FIRM REGISTRATION NO. 184-000852	USER NAME = rshaw	DESIGNED - DSR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONSTRUCTION DETAILS WESTVILLE RD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666833' / in.	CHECKED - WJS	REVISIED -	*			40(W,RS)	VERMILION	65	48	
	PLOT DATE = 1/23/2024	DATE - JANUARY 24, 2024	REVISIED -	SCALE: 1"=50'			SHEET 4	OF 7	SHEETS	STA.	TO STA.

TYPICAL MAILBOX TURNOUT DETAILS

S.M.A.R.T. IMPROVEMENTS

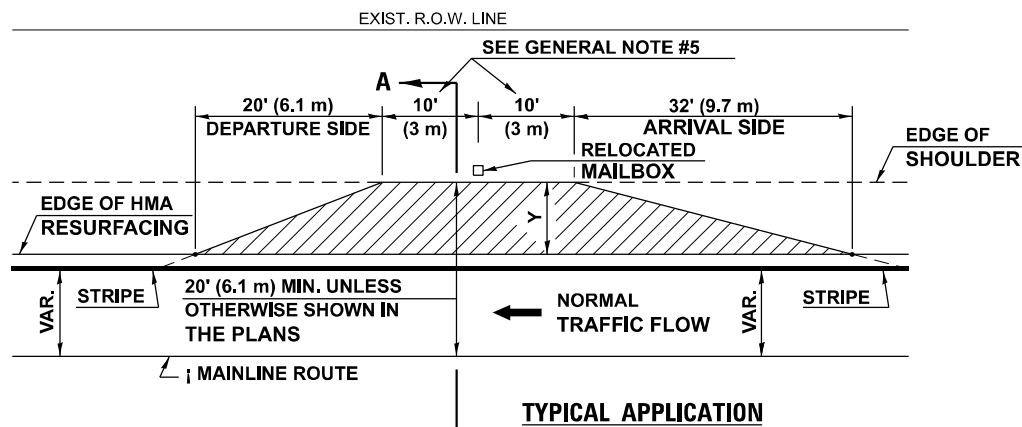


DESIGN OVERLAY IMPROVEMENTS EXISTING HMA MAILBOX TURNOUT

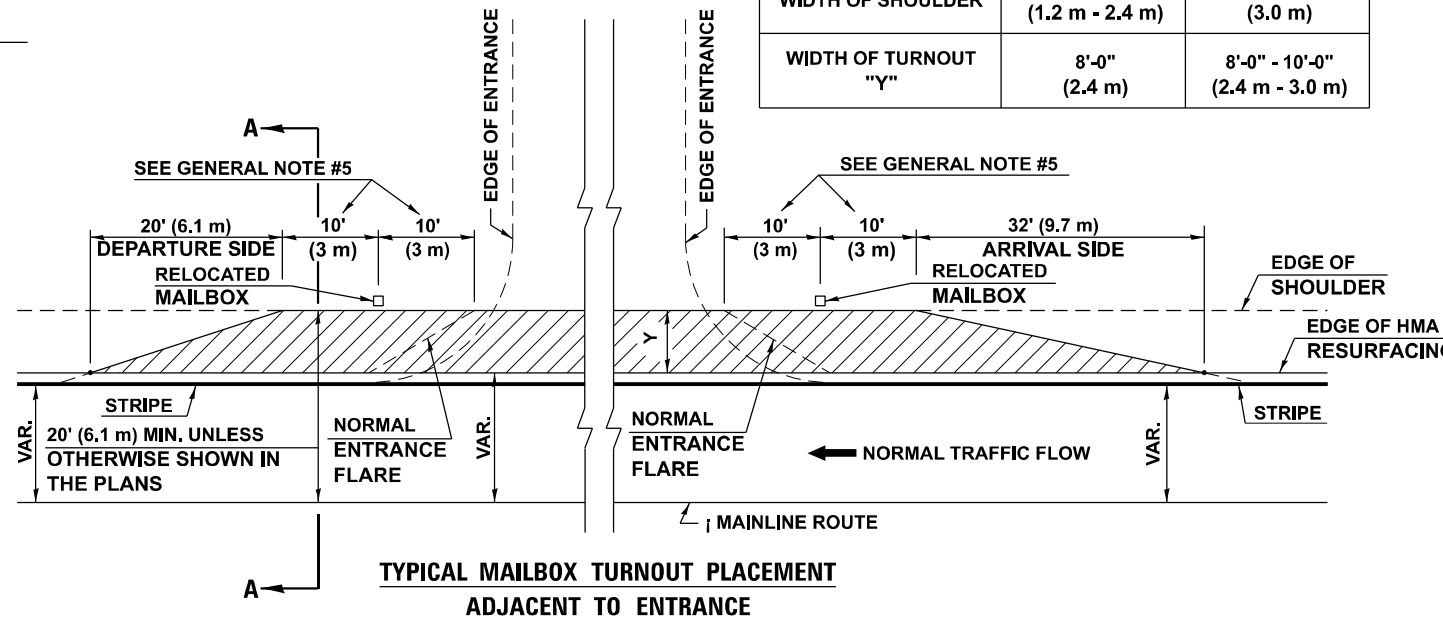
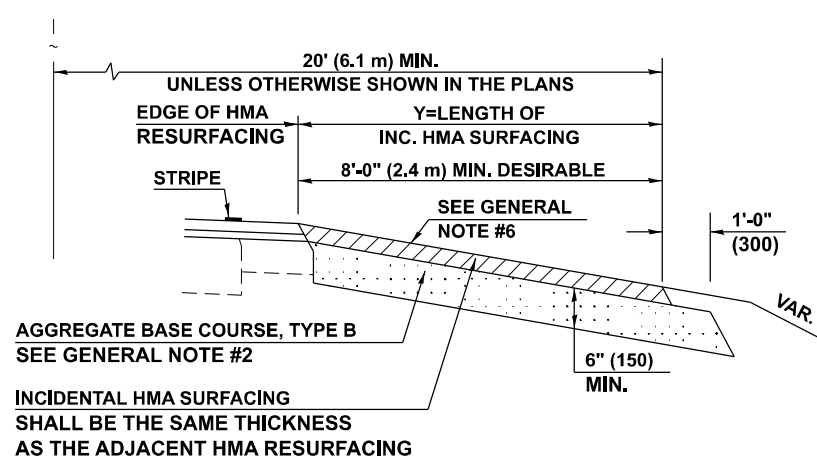


GENERAL NOTES

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.



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: SEE SIDE ROAD AND ENTRANCE SCHEDULES FOR ADDITIONAL INFORMATION

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

MODEL: Details - 5-1 (Sheet)
FILE NAME: P:\2022\703-4 - 30392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-shr-details.dgn

BA BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS - LAND SURVEYORS
2970 WEST LAMARTE AVE.
MCKSORVILL, IL 62650
PHONE: 217-245-4340 FAX: 217-245-4349
IL DESIGN FIRM REGISTRATION NO. 184-000032

USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666633 / in.	DRAWN - GJS	REVISED -
PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
WESTVILLE RD

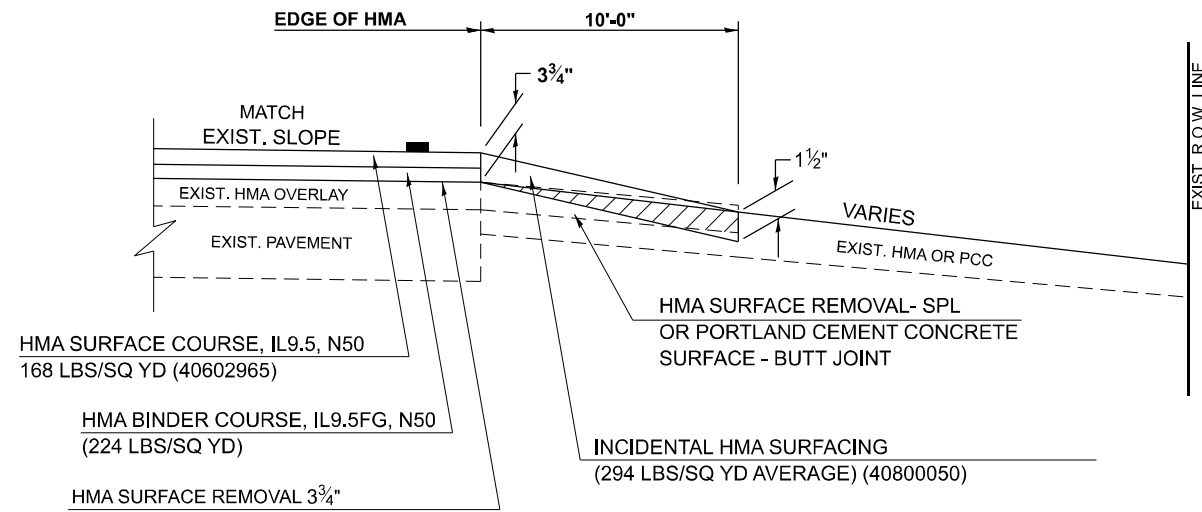
SCALE: 1"=50'

SHEET 5 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	49
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

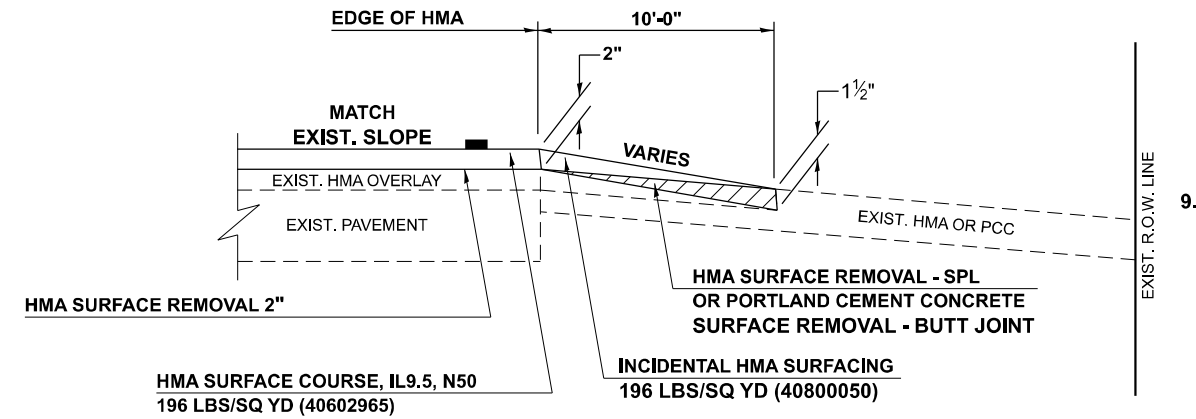
TYPICAL PRIVATE COMMERCIAL ENTRANCE DETAILS

DESIGN OVERLAY IMPROVEMENTS



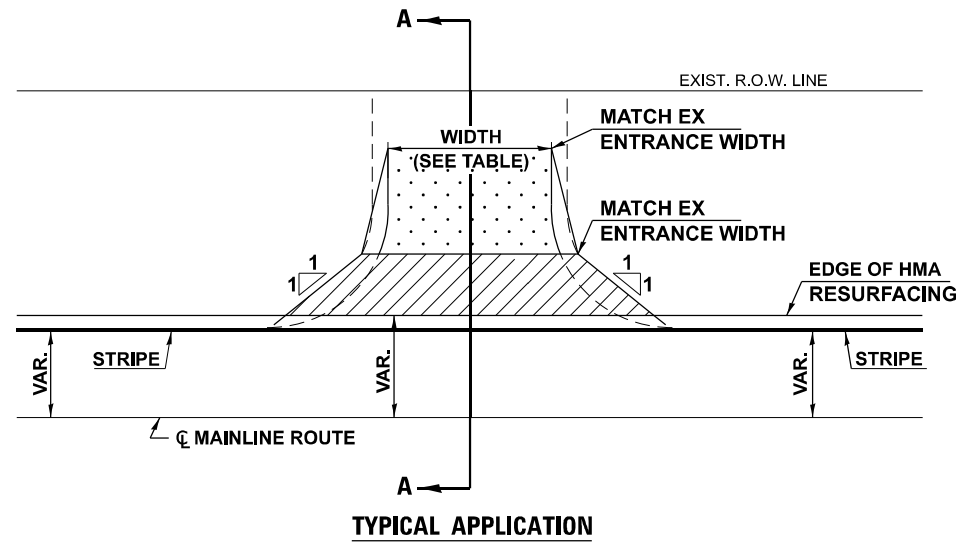
EXISTING HMA OR PCC ENTRANCE

S.M.A.R.T. IMPROVEMENTS



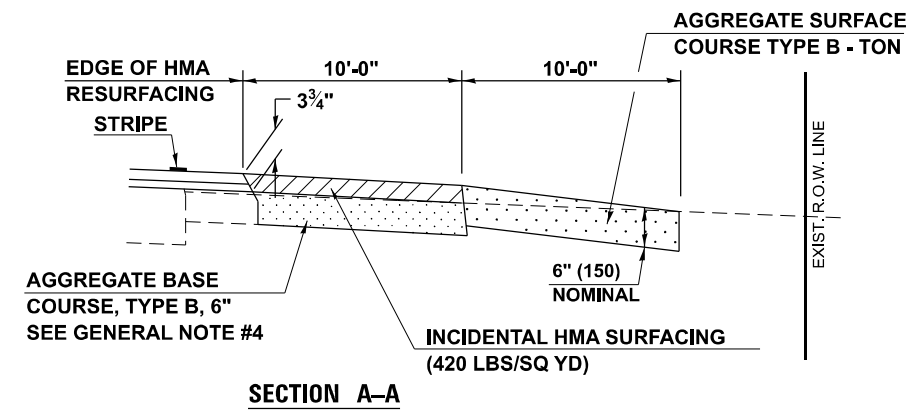
EXISTING HMA OR PCC ENTRANCE

AGGREGATE ENTRANCE



TYPICAL APPLICATION

EXISTING AGGREGATE WITH NEW HMA ENTRANCE



SECTION A-A

NOTE: SEE SIDE ROAD AND ENTRANCE SCHEDULES FOR ADDITIONAL INFORMATION

MODEL: Details - 6 (Sheet)
FILE NAME: P:\22E2703-4-90392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-sht-details.dgn



USER NAME = rshaw	DESIGNED - DSR	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - GJS	REVISED -
PLOT DATE = 1/23/2024	CHECKED - WJS	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
WESTVILLE RD

SCALE: 1"=50' SHEET 6 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	65	50
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

*FAS 508/FAU 7015

TYPICAL PRIVATE COMMERCIAL ENTRANCE DETAILS

GENERAL NOTES

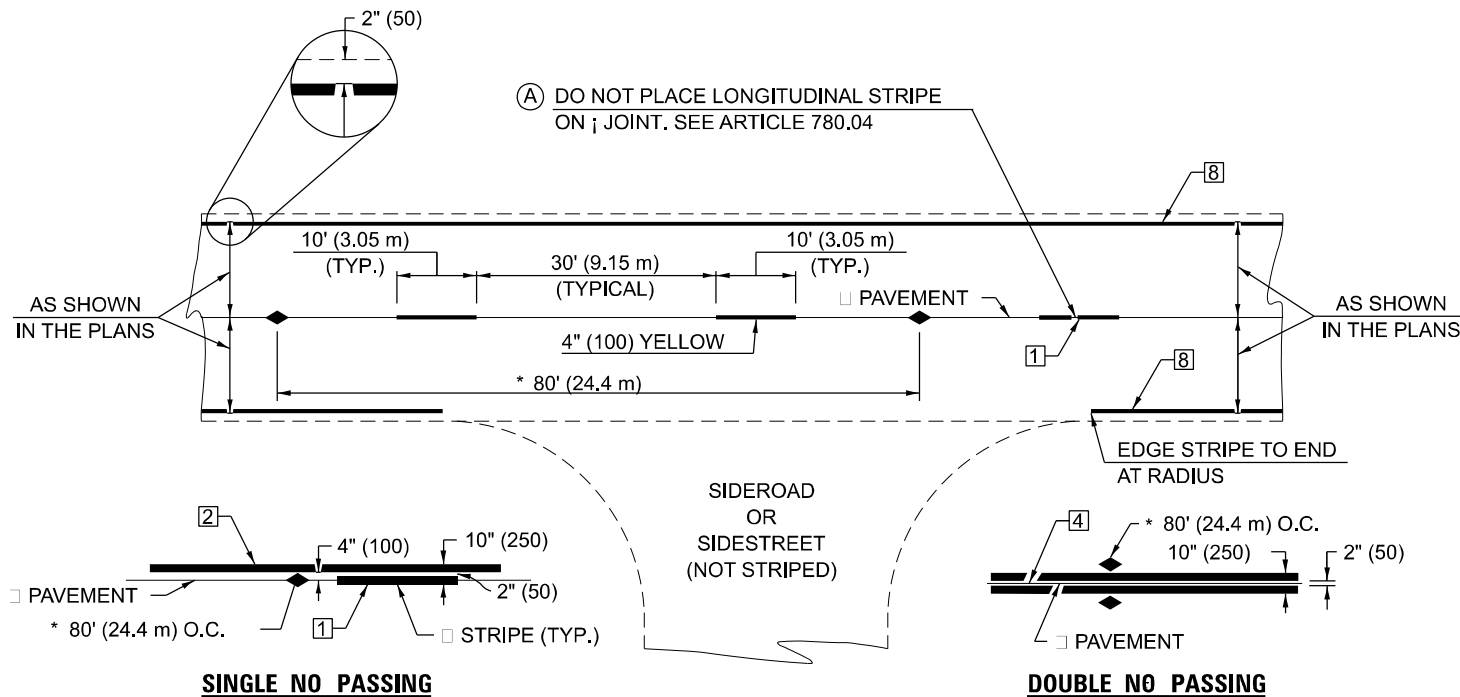
1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF 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 MEMO 104/01 DISCUSS THIS PROCEDURE.
8. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE INCIDENTAL HMA SURFACING AND THE AGGREGATE BASE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE BASE COURSE.

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			
	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				
						24	30	35				2 LANE, 2 WAY				
RADIUS (FT)	15	25	40	30		20	30	50	resurface existing configuration; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them							
SHOULDER WIDTH (FT)	2	2		2		1	3									
SHOULDER SLOPE (%)	2	4	6	4		2	4	6								
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10								
SIDE SLOPE (FT)	1:10	1:6	1:4	1:6	1:4	1:10	1:6	1:4								
SURFACE TYPE																
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" to minimize aggregate shoulder							
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable, use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02							
PCC DRIVEWAY PAVEMENT (INCH)		6							6 or 8							

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

MODEL: Details - 7 (Sheet) FILE NAME: P:\22E\703-4-90392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-sht-details.dgn

	BENTON & ASSOCIATES, INC. CONSULTING ENGINEERS / LAND SURVEYORS 1970 WEST LAVETTE AVE. JACKSONVILLE, IL 62650 PHONE: 217-424-1188 FAX: 217-424-4149 IL DESIGN FIRM REGISTRATION NO. 191-000852	USER NAME = rshaw	DESIGNED - DSR DRAWN - GJS CHECKED - WJS DATE - JANUARY 24, 2024	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONSTRUCTION DETAILS WESTVILLE RD	SCALE: 1"=50' SHEET 7 OF 7 SHEETS STA. TO STA.	F.A. * RTE. * SECTION COUNTY VERMILION TOTAL SHEETS 65 SHEET NO. 51 CONTRACT NO. 90392 ILLINOIS FED. AID PROJECT
	*FAS 508/FAU 7019							



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

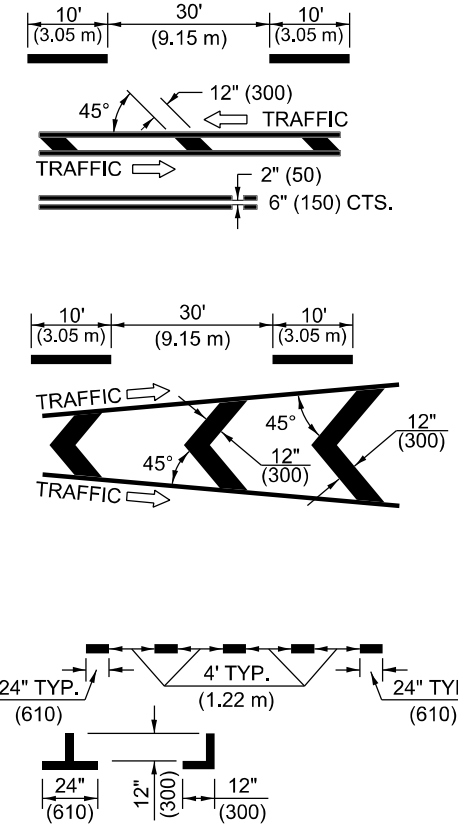
TWO LANE/TWO WAY

TYPICAL PAVEMENT MARKING LEGEND

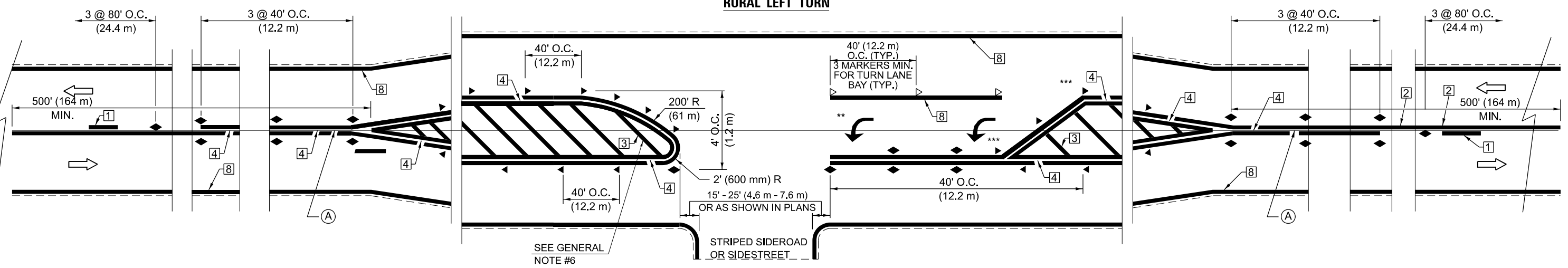
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)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

TYPICAL PAVEMENT MARKERS LEGEND

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



RURAL LEFT TURN



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

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

DISTRICT 5 DETAIL NO. 7800AAAA

MODEL: DistrictDetail - Sheet 1 (Sheet) FILE NAME: P:\2023\703-4-90392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-shr-districtdetails.dgn

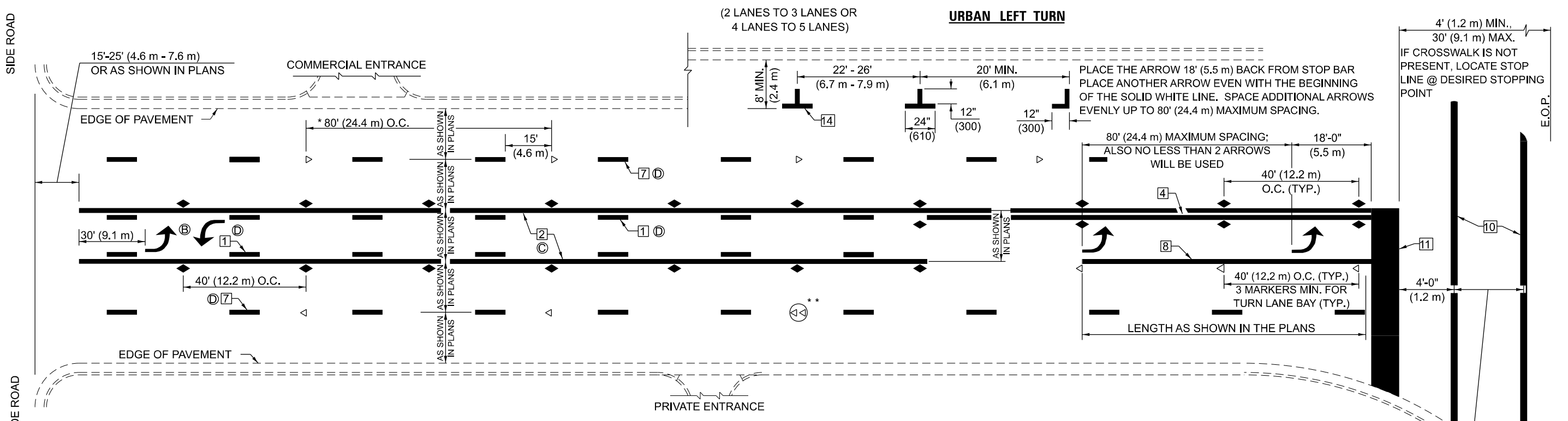
USER NAME = rshaw	DESIGNED -	REVISED -
PLOT SCALE = 0.16666833' / in.	DRAWN -	REVISED -
PLOT DATE = 1/23/2024	CHECKED -	REVISED -
	DATE = JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT DETAILS

SCALE: 1"=50' SHEET 1 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	40(W,RS)	VERMILION	66	52
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

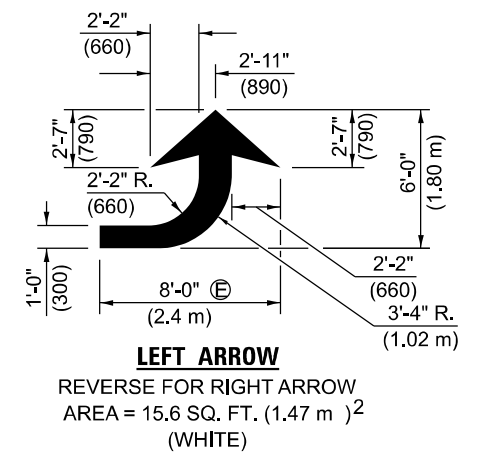


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

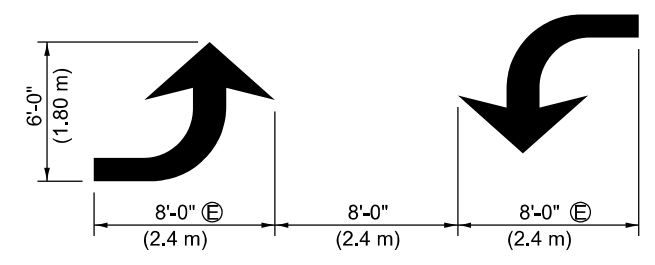
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

GENERAL NOTES:

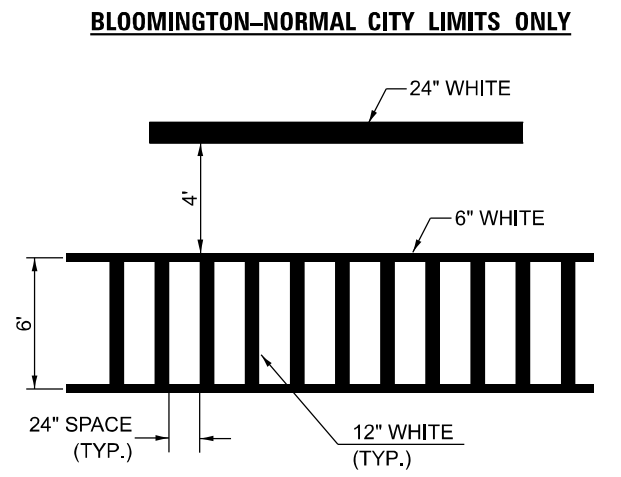
- (B) TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
- (C) THE SOLID YELLOW PAVEMENT MARKINGS 2 □ SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- (D) 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.
- (E) USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



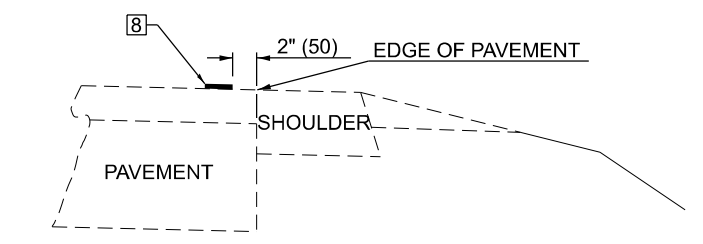
LEFT ARROW
 REVERSE FOR RIGHT ARROW
 AREA = 15.6 SQ. FT. (1.47 m)²
 (WHITE)



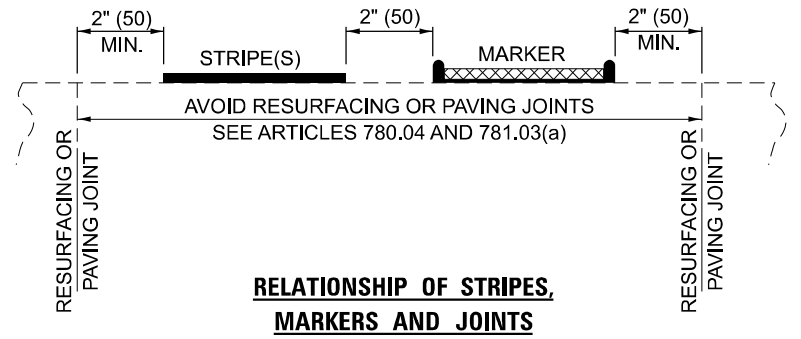
TYPICAL DOUBLE TURN ARROWS (WHITE)



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: DistrictDetail - Sheet 2 (Sheet)
 FILE NAME: P:\22E2703-4 - 90392 Westville PS&E\90392 Section 40(W.RS)\CADD Sheets\90392-shr-districtdetails.dgn

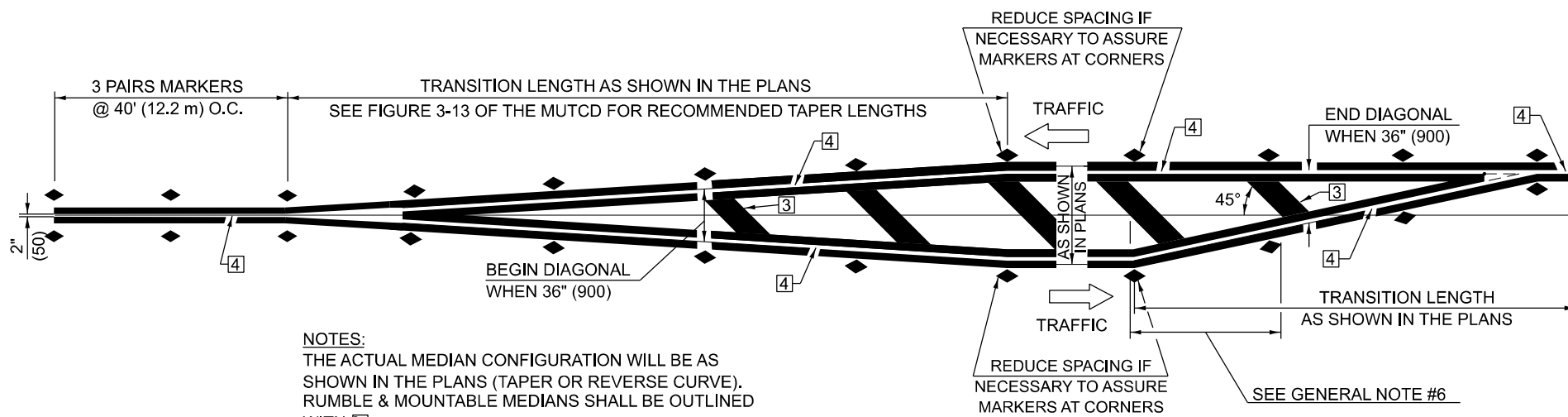
USER NAME = rshaw	DESIGNED -	REVISED -
DRAWN -	REVISOR -	
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 1/23/2024	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DISTRICT DETAILS

SCALE: 1"=50' SHEET 2 OF 7 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAAA				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W.RS)	VERMILION	66	53
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

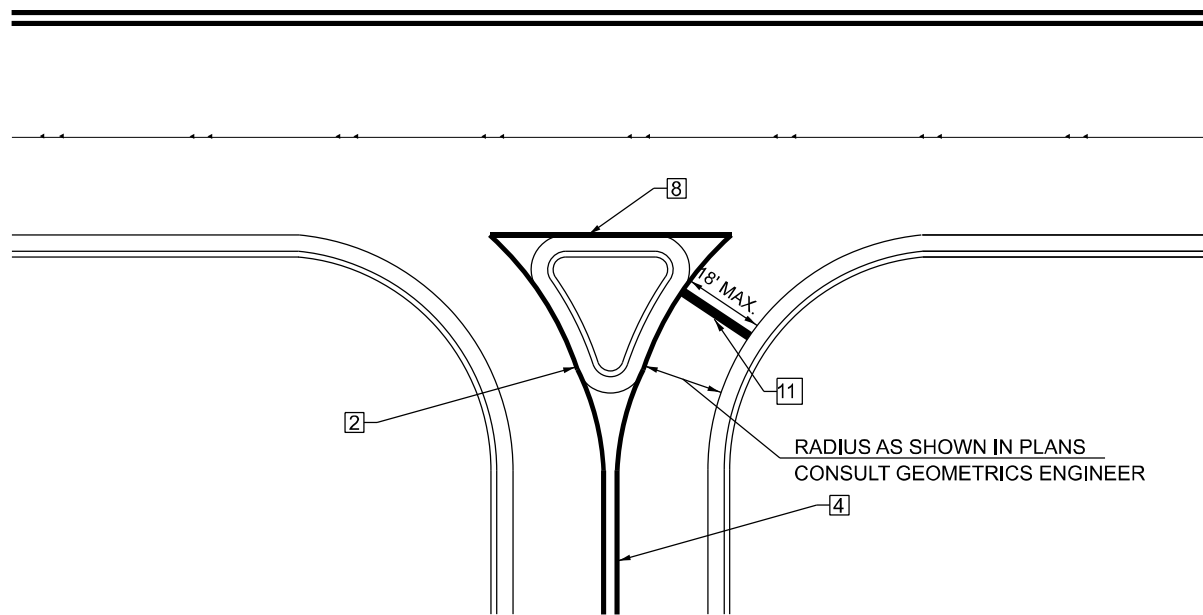


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH

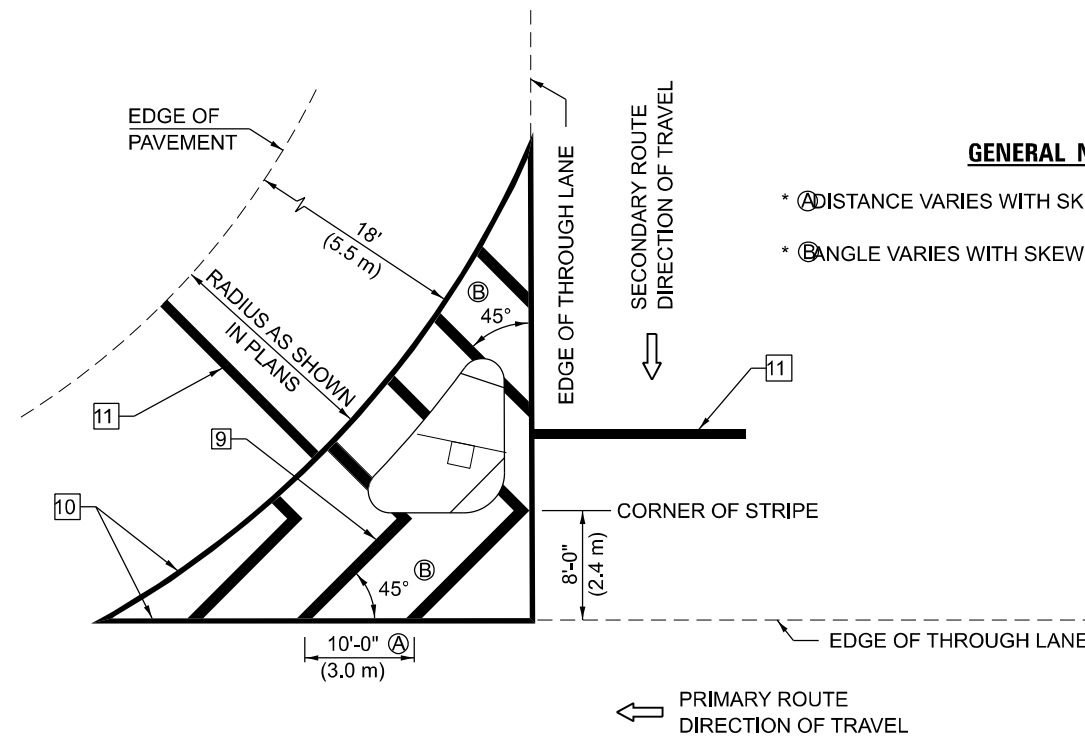
TYPICAL MEDIAN TRANSITIONS

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

- * **A** DISTANCE VARIES WITH SKEW OF INTERSECTION.
- * **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.

DISTRICT 5 DETAIL NO. 7800AAAA

MODEL: DistrictDetail - Sheet 3 (Sheet)
 FILE NAME: P:\22E2703-4 - 90392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-shr-districtdetails.dgn

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PLOT SCALE = 0.16666633' / in.	DRAWN -	REVISED -
PLOT DATE = 1/23/2024	CHECKED -	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

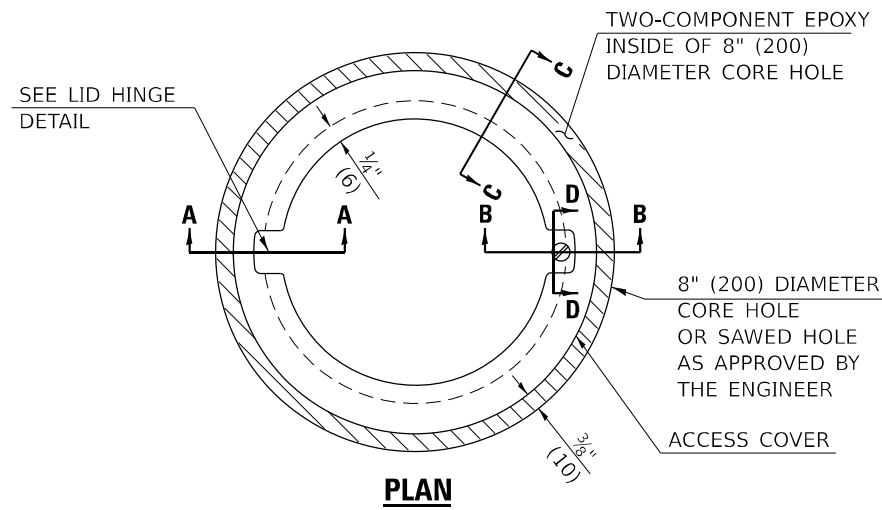
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DISTRICT DETAILS

SCALE: 1"=50' SHEET 3 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	54
CONTRACT NO. 90392				

TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT
FOR PRESERVING LAND SURVEY MONUMENTS (SECTION
OR SUBSECTION CORNERS)

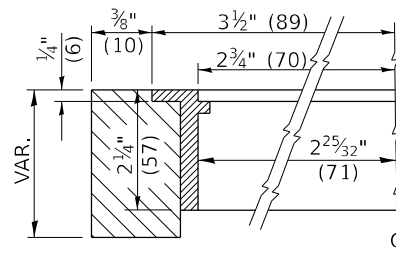


PLAN

LEGEND

- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY

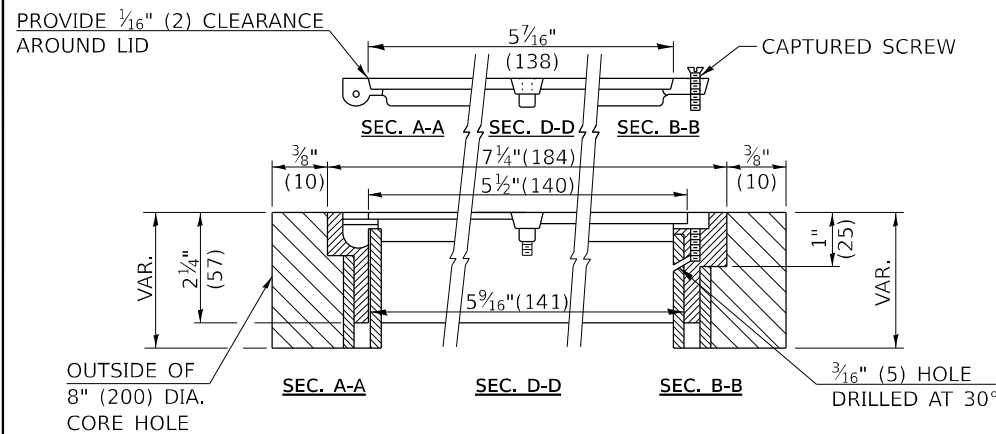
T = THICKNESS OF PAVEMENT STRUCTURE
H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)



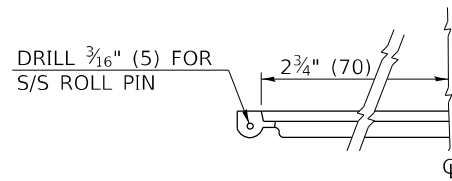
SECTION C-C

SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; QQ-A-601Es. NO EXCEPTIONS.

RE-BAR-SURVEY MARKER, TYPE I, (SPECIAL) TO BE FURNISHED BY THE CONTRACTOR AND SET BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR (SEE SPECIAL DETAIL SHEET FOR ALUMINUM TABLET AND RE-BAR SPECIFICATIONS).



ELEVATION



LID HINGE DETAIL

BILL OF MATERIAL

ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40, ALUMINUM TABLET, STAMPED IN ACCORDANCE WITH STANDARD 667101. 5/8" X 48" (#15 X 1.2 m) RE-BAR, EPOXY AND FA-01/02 AGGREGATE.

GENERAL NOTES

1. ALUMINUM CASTING SHALL BE EITHER PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE.
2. BACKFILL WITH FINE AGGREGATE - FA-01/02.
3. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
4. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MARKER VAULT WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING, EPOXY AND FA-01/02 AGGREGATE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
5. THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
6. ALL SURVEY MARKER (VAULTS) SHALL BE PLACED 1/4" (6 mm) BELOW THE FINAL SURFACE.
7. THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

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

DISTRICT 5 DETAIL NO. X0301232

MODEL: X0301232 (Sheet)
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PLOT DATE = 1/23/2024	CHECKED -	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

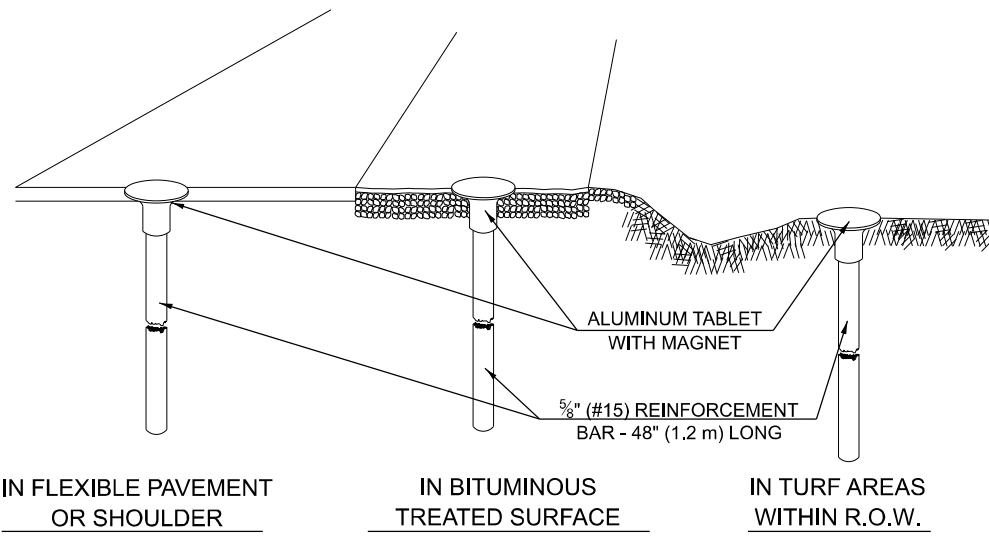
DISTRICT DETAILS

SCALE: 1"=50' SHEET 5 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	56
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

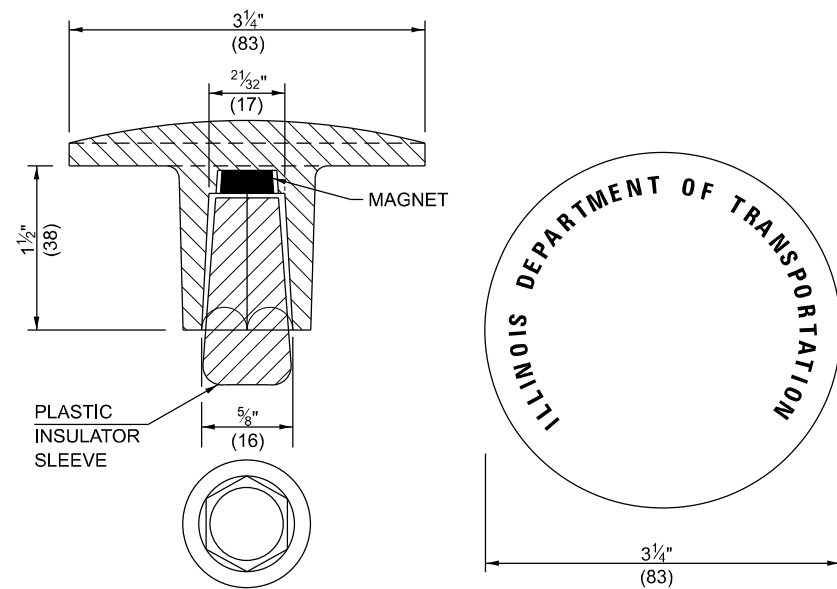
TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



IN FLEXIBLE PAVEMENT OR SHOULDER

IN BITUMINOUS TREATED SURFACE

IN TURF AREAS WITHIN R.O.W.



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

GENERAL NOTES

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

SPECIFICATIONS FOR ALUMINUM TABLET

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

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

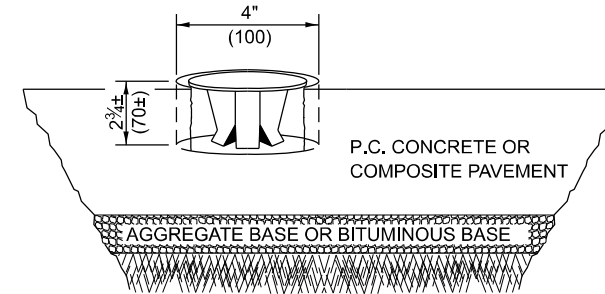
SPECIFICATIONS FOR REBAR

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

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

XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

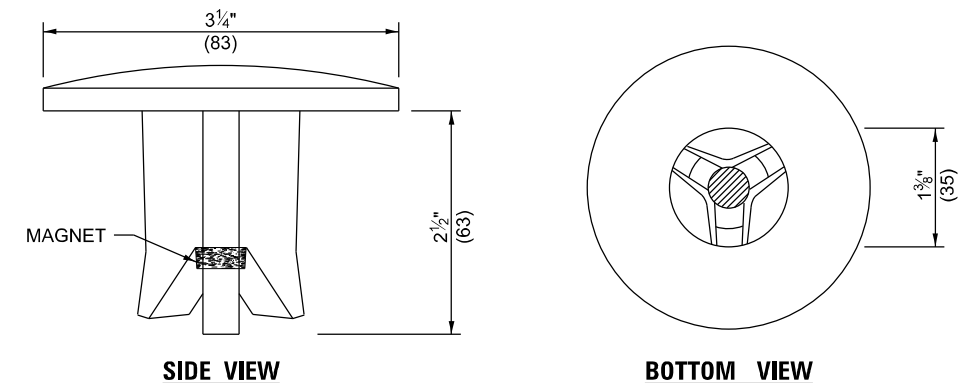
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



SPECIFICATIONS FOR ALUMINUM TABLET (FORKED)

ALUMINUM TABLET (FORKED) FOR USE WITH "SURVEY MARKER, TYPE 2, (SPECIAL)" SHALL BE AS SHOWN ON THE DETAIL FOR THE 3/4" (83 mm) CONVEX SURVEY TABLET WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE FOR LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM TABLET 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 TABLET SHALL BE DESIGNED NOT TO TURN OR ROTATE. THREE PRONGS ON A 2 1/2" (63 mm) STEM SHALL BE SUCH THAT THE ALUMINUM TABLET CANNOT BE EASILY REMOVED.

COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD 19,000-21,000 PSI (131-145 MPa); TENSILE 38,000-44,000 PSI (262-303 MPa); ELONGATION 10-15% [IN 2" (50 mm)]. SPECIFICATIONS: ALLOY 535.0; QQ-A-601ES. NO EXCEPTIONS.



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

GENERAL NOTES

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

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

MODEL: Sheet 6 [Sheet] FILE NAME: P:\2023\7034 - 90392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-shr-districtdetails.dgn

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PLOT SCALE = 0.16666833' / in.	DRAWN -	REVISED -
PLOT DATE = 1/23/2024	CHECKED -	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

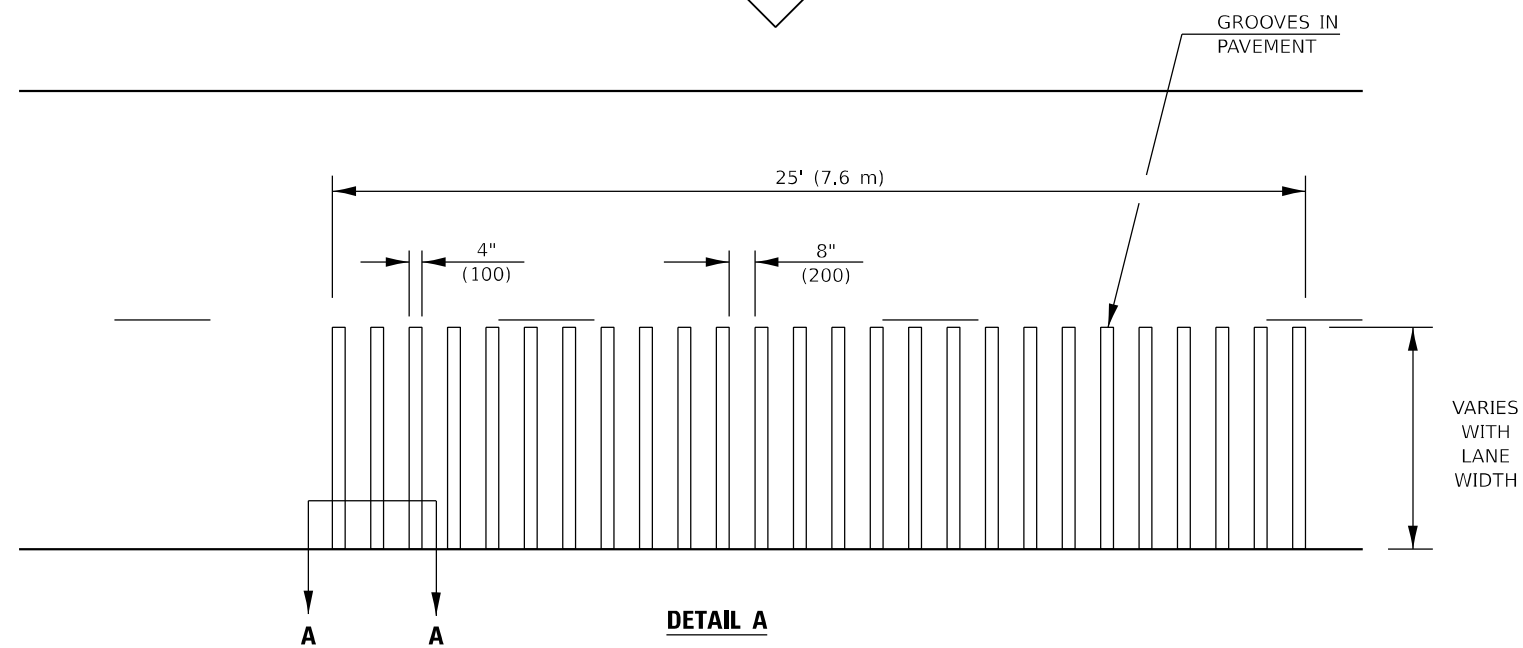
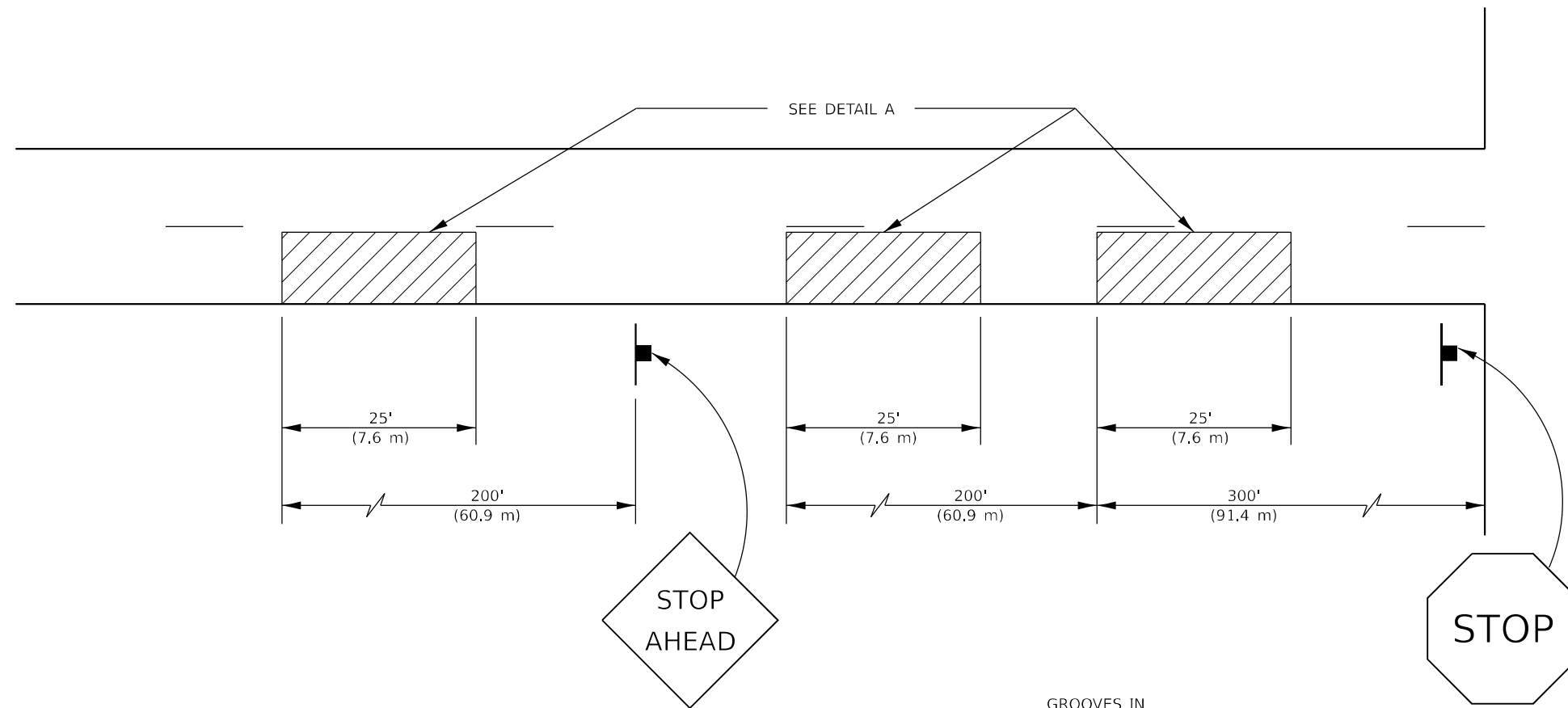
DISTRICT DETAILS

SCALE: 1"=50' SHEET 6 OF 7 SHEETS STA. TO STA.

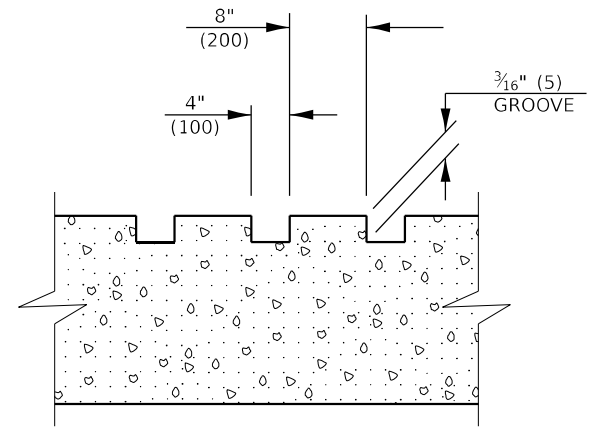
DISTRICT 5 DETAIL NO. XZ193AAA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	57
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

MODEL: Z0055300 [Sheet]
 FILE NAME: P:\22E3703-4-90392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-shr-districtdetails.dgn



- GENERAL NOTES**
1. ALL GROOVES SHALL BE CONSTRUCTED USING A 4" (100 mm) MILLING HEAD OR SERIES OF 4" (100 mm) MILLING HEADS CAPABLE OF CUTTING TO THE SPECIFIED DEPTH OR ANY VARIABLE DEPTH.
 2. THIS WORK WILL BE MEASURED FOR PAYMENT PER EACH 25' (7.6 m) INDIVIDUAL RUMBLE STRIP APPLIED AND PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR RUMBLE STRIP, WHICH PRICE SHALL INCLUDE ALL EQUIPMENT, MATERIAL, LABOR AND OTHER ITEMS REQUIRED TO INSTALL EACH INDIVIDUAL RUMBLE STRIP.



SECTION A-A

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

DISTRICT 5 DETAIL NO. Z0055300

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PLOT DATE = 1/23/2024	CHECKED -	REVISED -
	DATE - JANUARY 24, 2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DISTRICT DETAILS

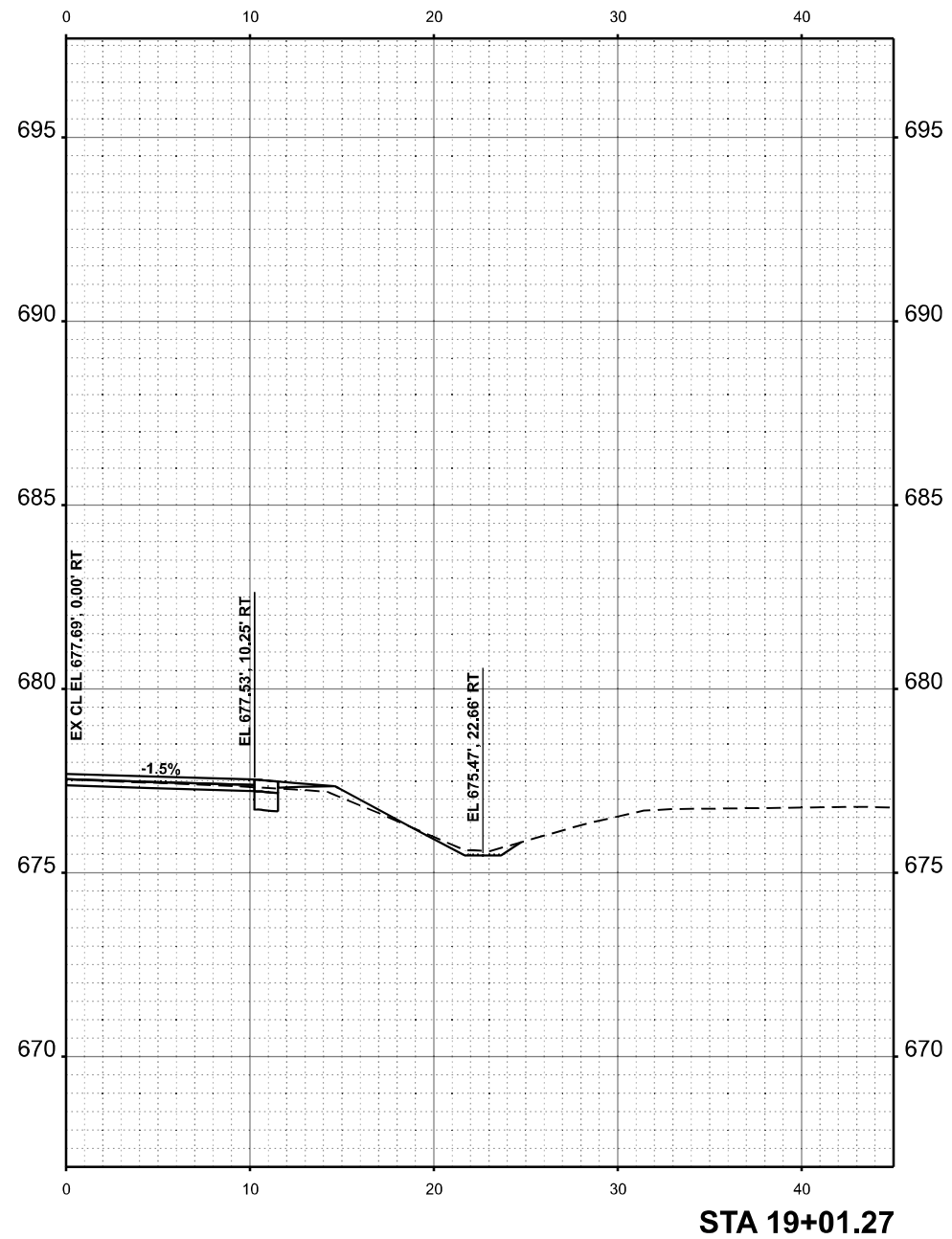
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

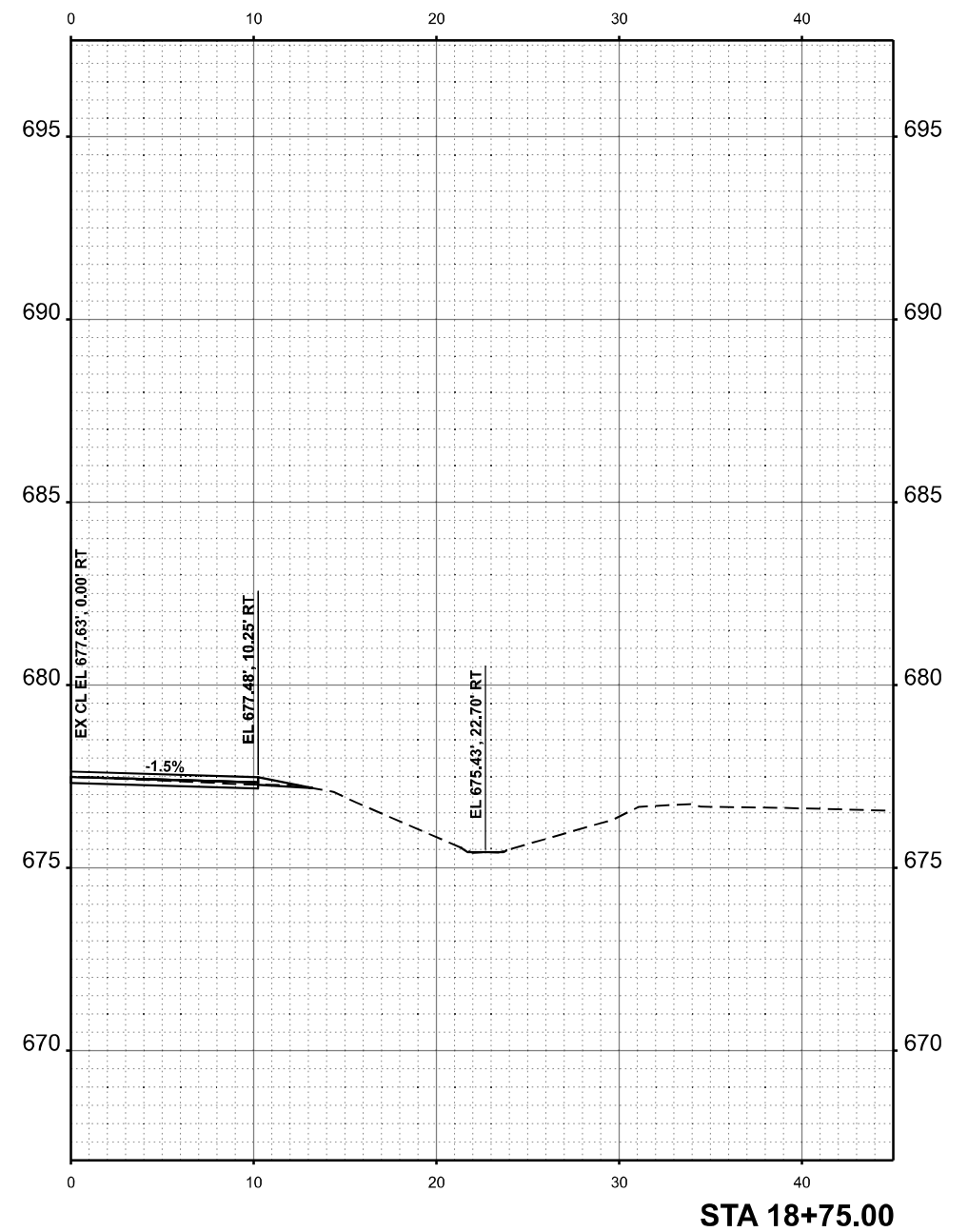
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

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STA 19+01.27



STA 18+75.00



USER NAME = rshaw	DESIGNED - DSR	REVISED -
	DRAWN - RDS	REVISED -
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PLOT DATE = 1/25/2024	DATE - JANUARY 24, 2024	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 WESTVILLE RD

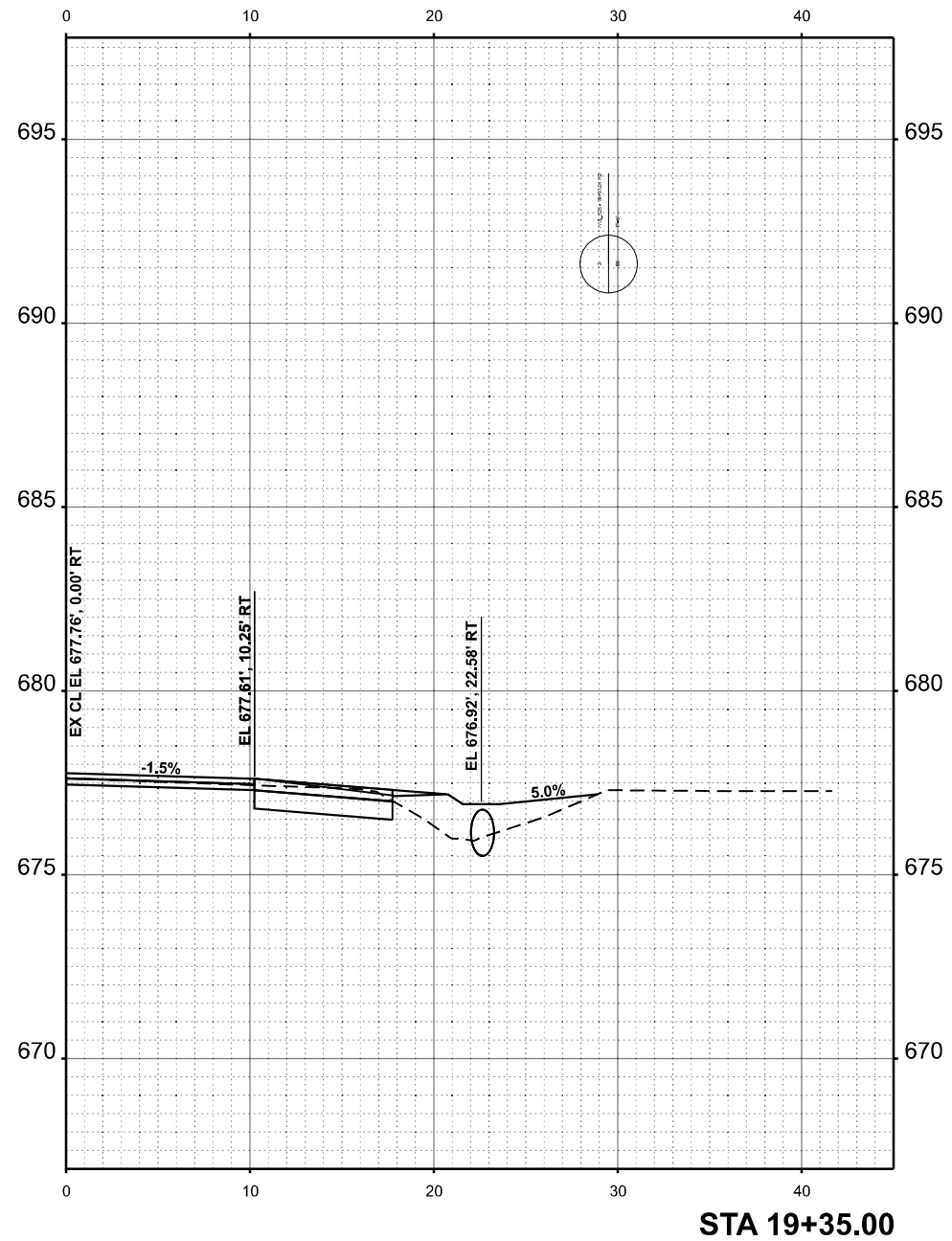
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	59
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

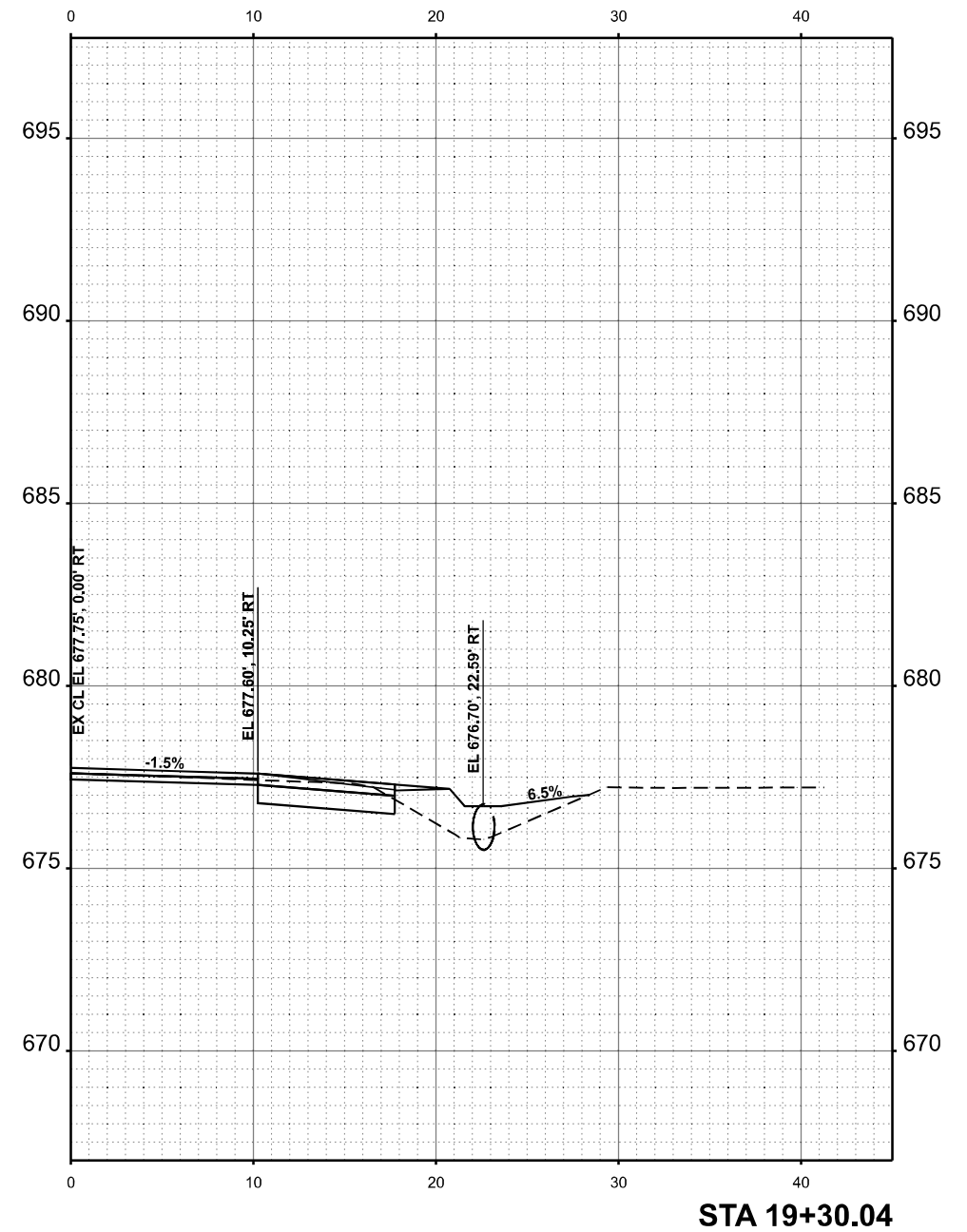
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NOTE BOOK	PLOTTED		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	AREAS CHECKED		

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STA 19+35.00



STA 19+30.04



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PLOT DATE = 1/25/2024	DATE - JANUARY 24, 2024	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 WESTVILLE RD

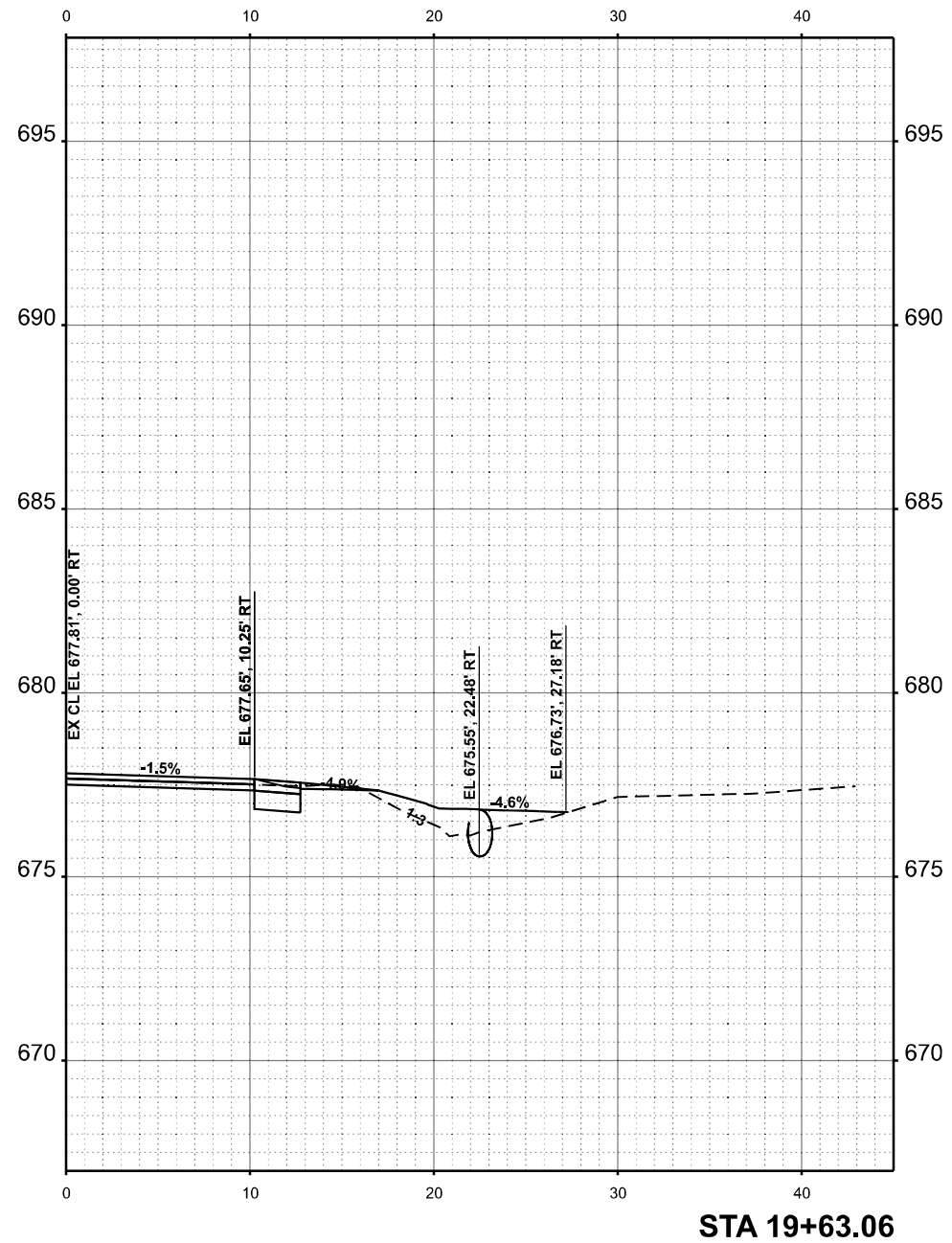
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	60
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

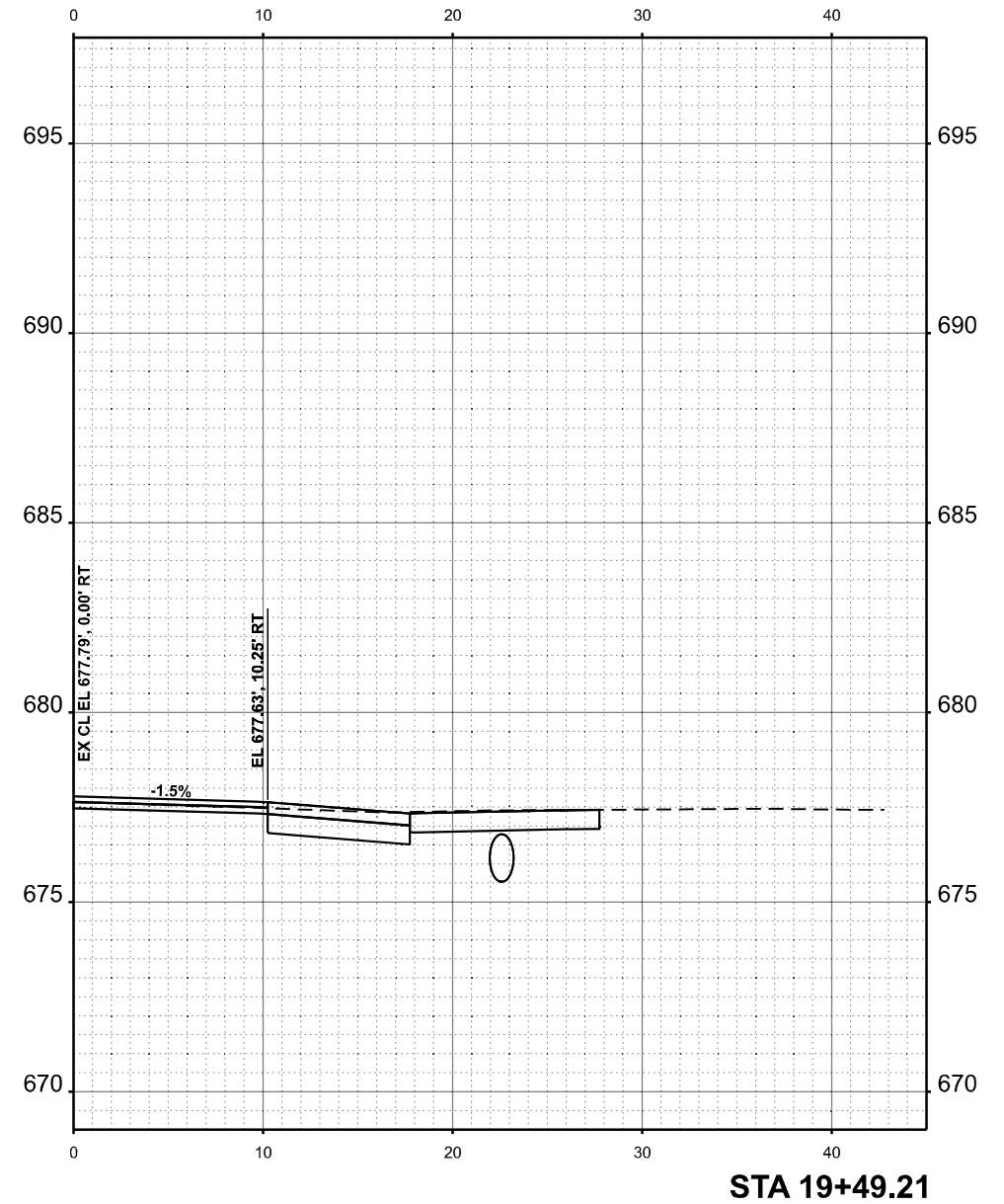
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NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
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MODEL: FAS_19_19+65.57_R2 [Sheet]
FILE NAME: P:\22E2703-4 - 90392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-shr-ssc.dgn



STA 19+63.06



STA 19+49.21



USER NAME = rshaw	DESIGNED - DSR	REVISED -
	DRAWN - RDS	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED - WJS	REVISED -
PLOT DATE = 1/25/2024	DATE - JANUARY 24, 2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
WESTVILLE RD

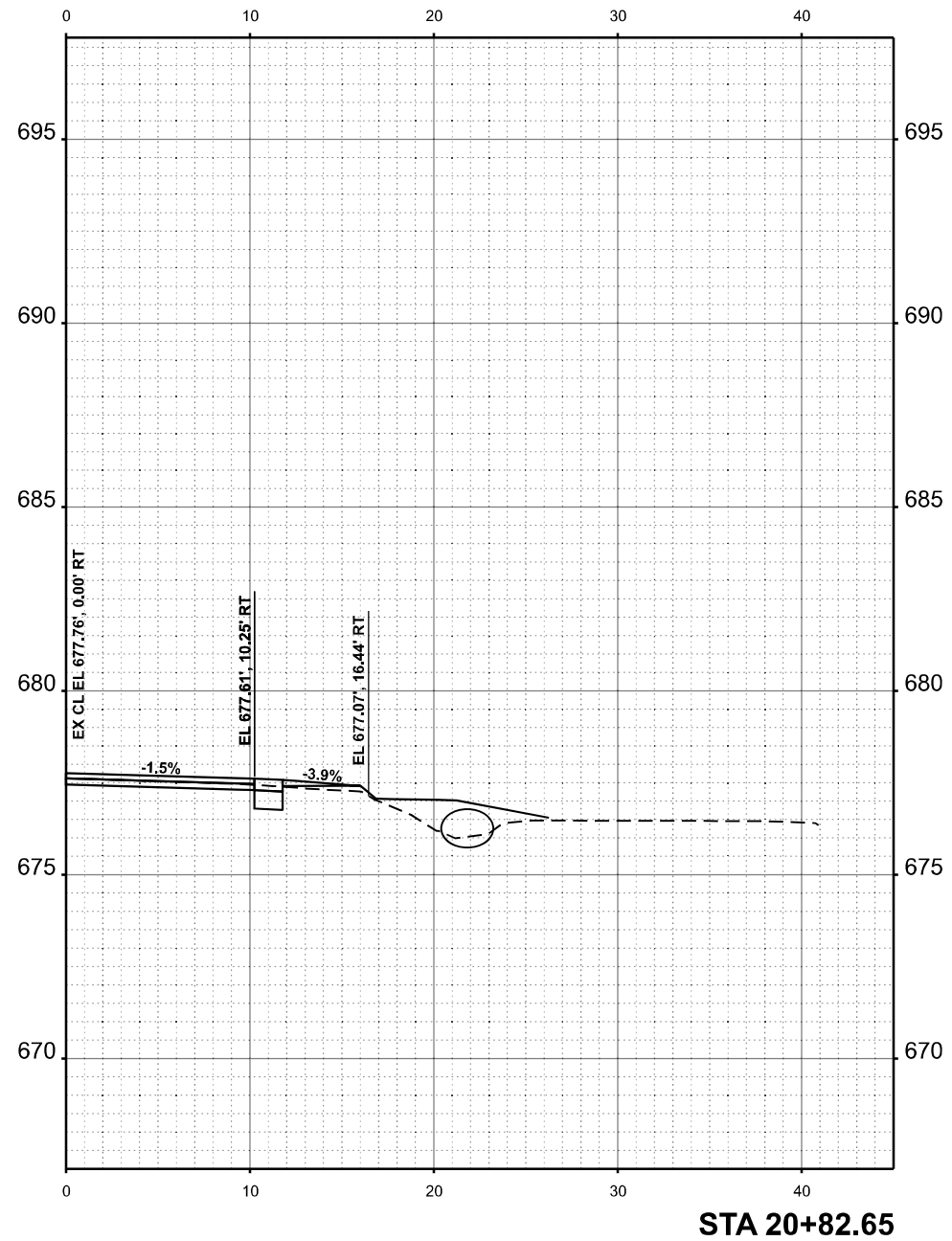
SCALE:	SHEET 3	OF 8	SHEETS	STA. 19+65.57 R2	TO STA. 20+22.86 R2
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	61
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

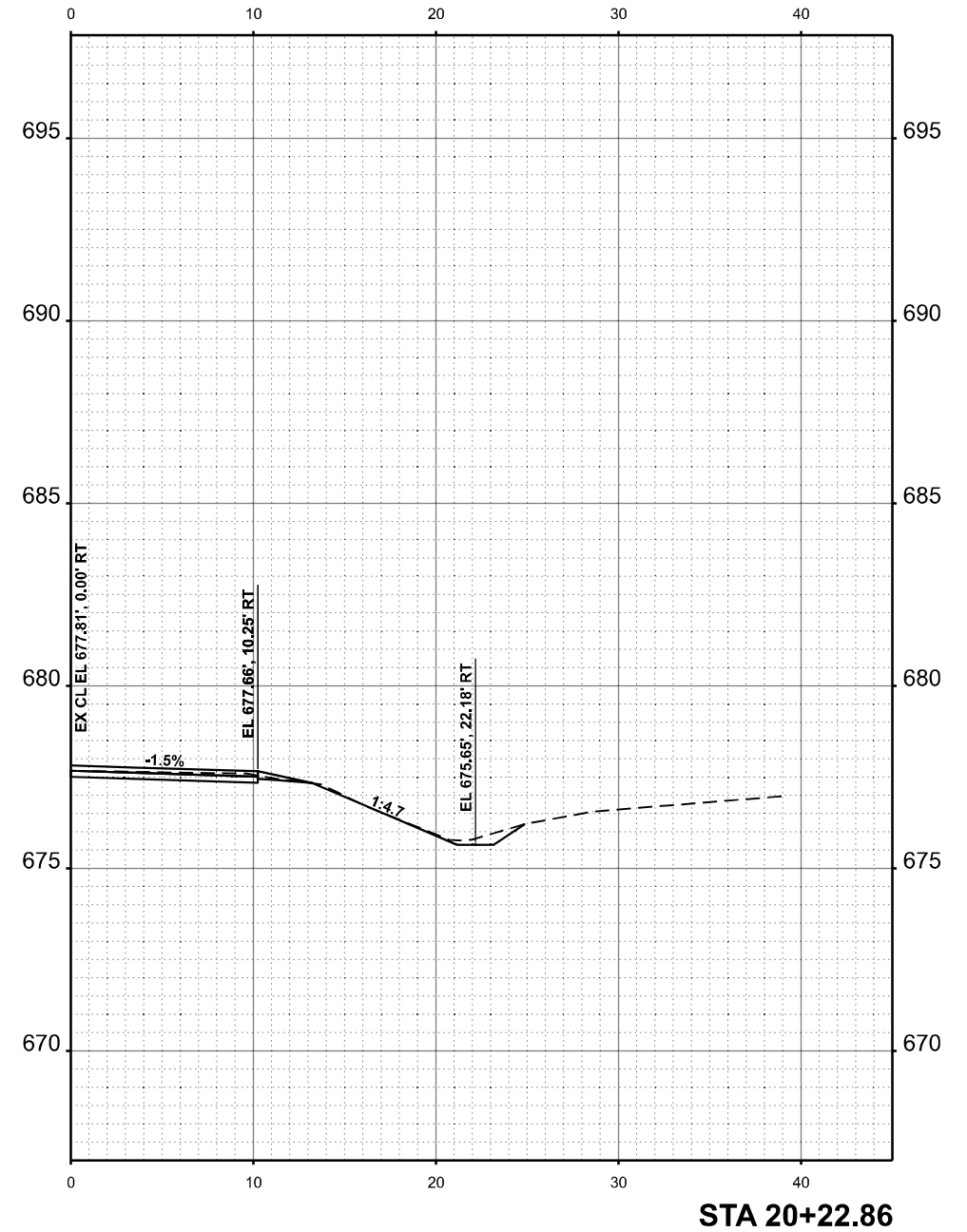
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NO.	TEMPLATE		
	AREAS CHECKED		

MODEL: FAS_E14_20+80.15 R2 [Sheet]
 FILE NAME: P:\22E2703-4 - 90392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-sh4-ssc.dgn



STA 20+82.65



STA 20+22.86



USER NAME = rshaw	DESIGNED - DSR	REVISED -
	DRAWN - RDS	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED - WJS	REVISED -
PLOT DATE = 1/25/2024	DATE - JANUARY 24, 2024	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 WESTVILLE RD

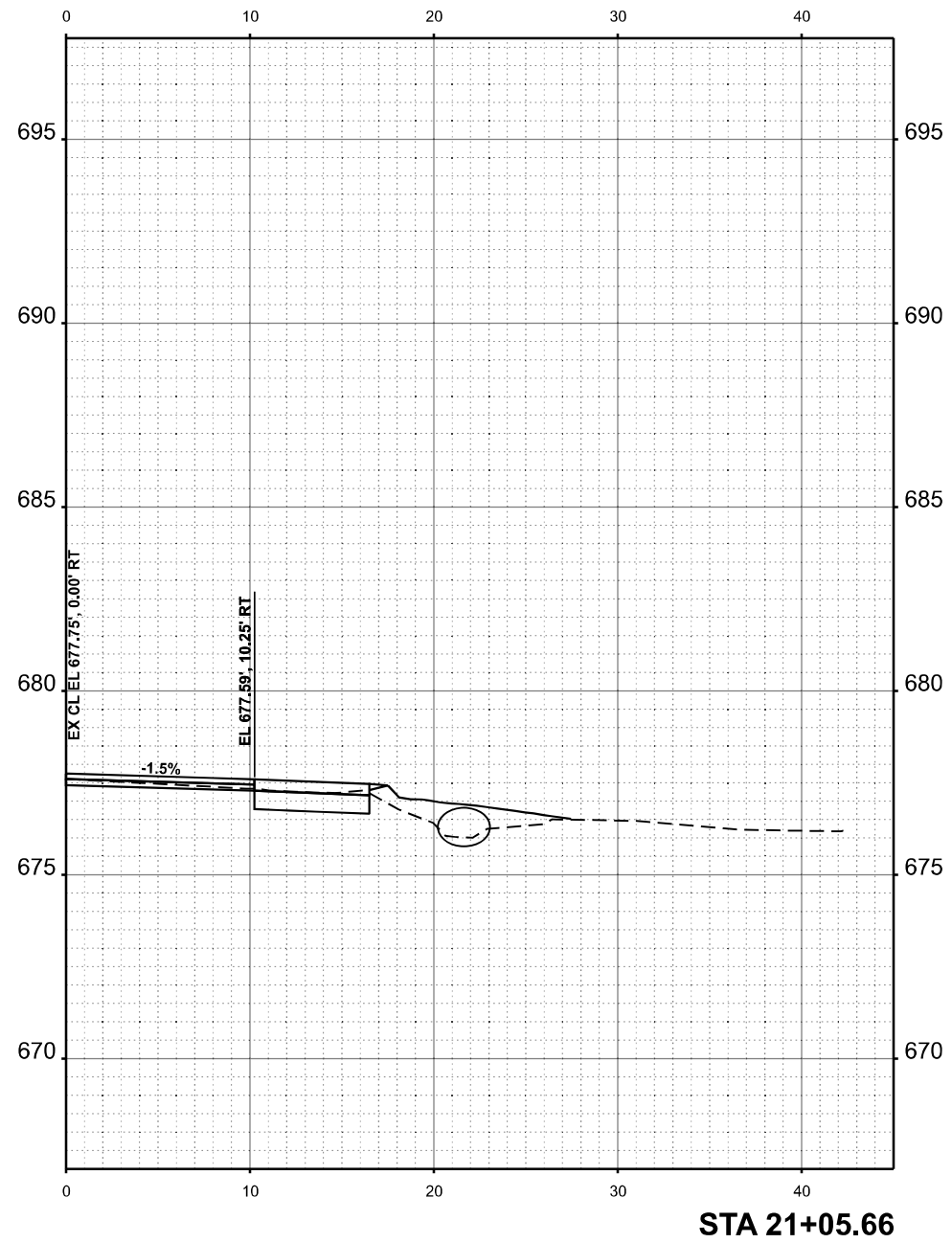
SCALE: SHEET 4 OF 8 SHEETS STA. 20+80.15 R2 TO STA. 20+93.23 R2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	62
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

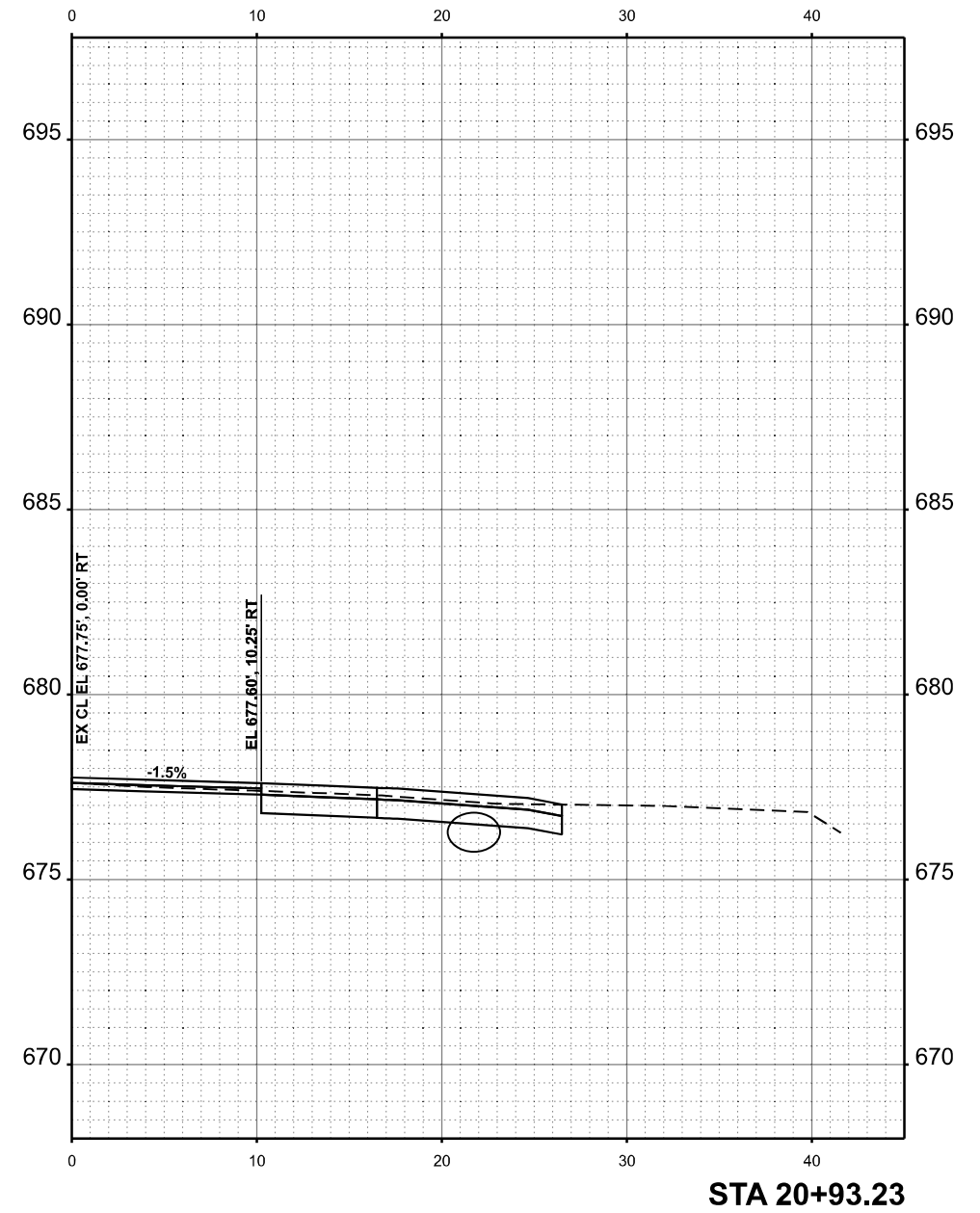
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	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		
	AREAS		
	CHECKED		

MODEL: FAS_E16_21+08.16 R2 (Sheet)
FILE NAME: P:\22E2703-4 - 90392 Westville PS&E\90392 Section 40(W)R2\CADD Sheets\90392-shr-ssc.dgn



STA 21+05.66



STA 20+93.23



USER NAME = rshaw	DESIGNED - DSR	REVISED -
	DRAWN - RDS	REVISED -
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PLOT DATE = 1/25/2024	DATE - JANUARY 24, 2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
WESTVILLE RD

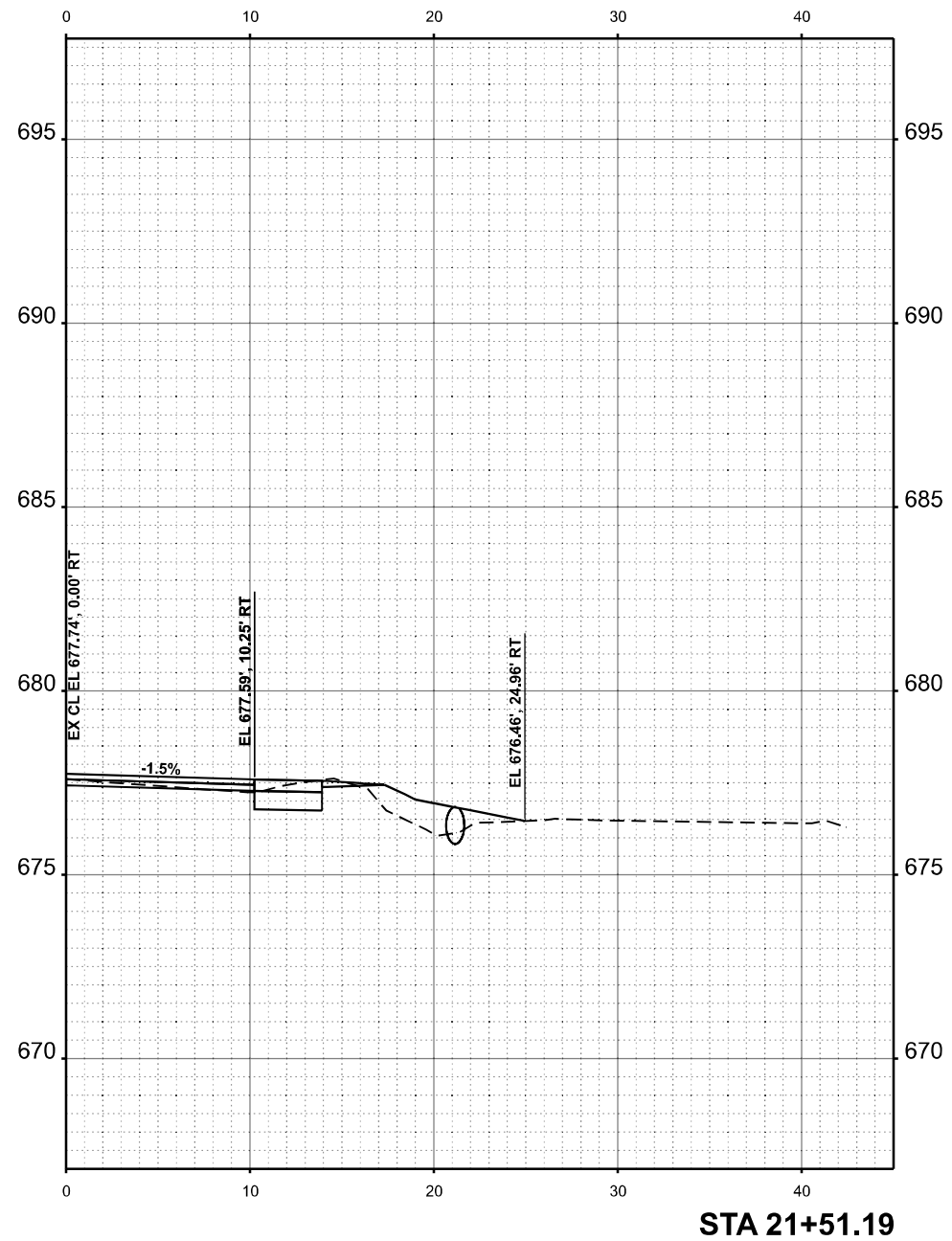
SCALE: SHEET 5 OF 8 SHEETS STA. 21+08.16 R2 TO STA. 21+28.80 R2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,R)	VERMILION	66	63
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

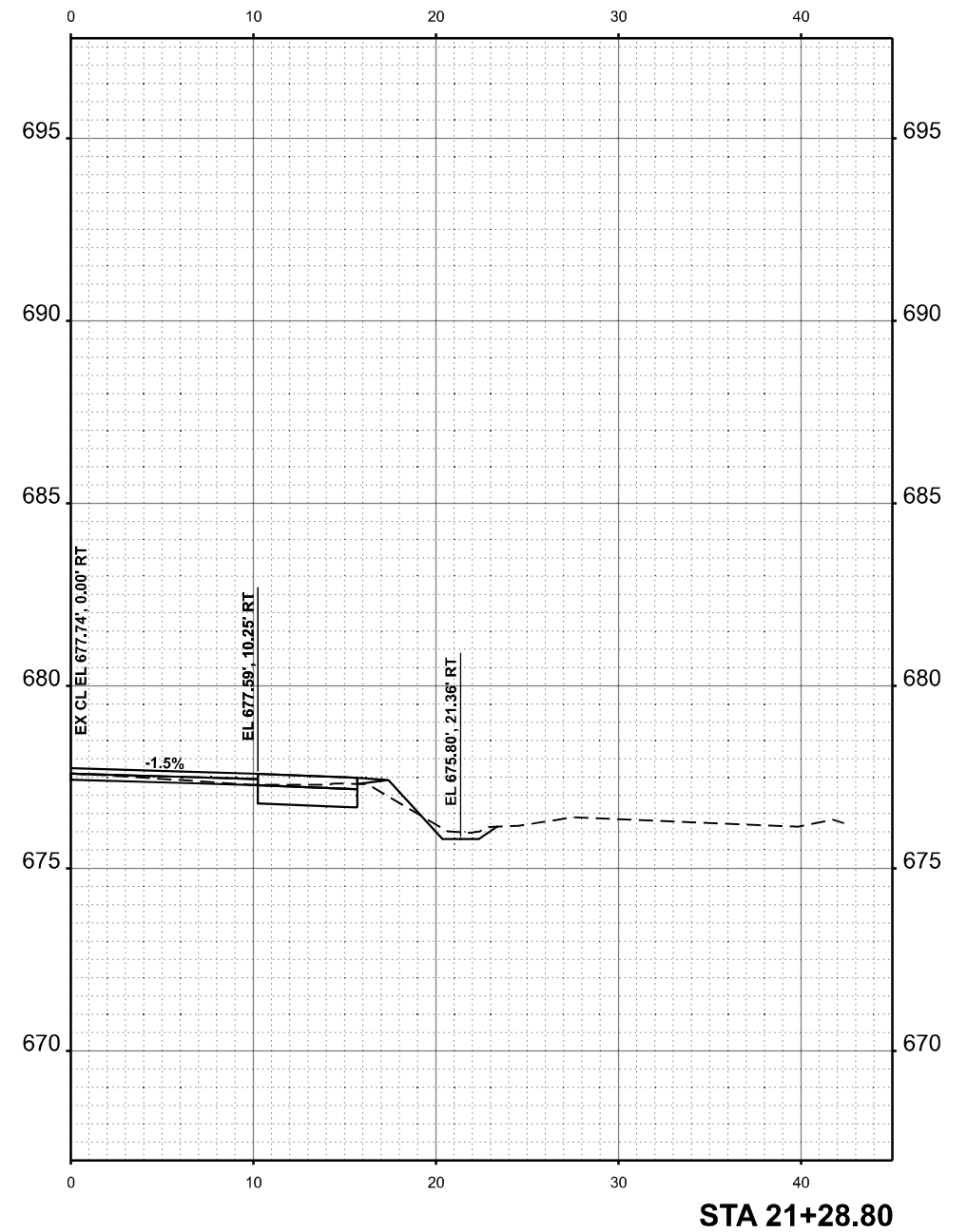
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
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MODEL: FAS_21+51.19_R2 (Sheet)
 FILE NAME: P:\22E2703-4 - 90392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-sh1-ssc.dgn



STA 21+51.19



STA 21+28.80



USER NAME = rshaw	DESIGNED - DSR	REVISED -
	DRAWN - RDS	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED - WJS	REVISED -
PLOT DATE = 1/25/2024	DATE - JANUARY 24, 2024	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 WESTVILLE RD

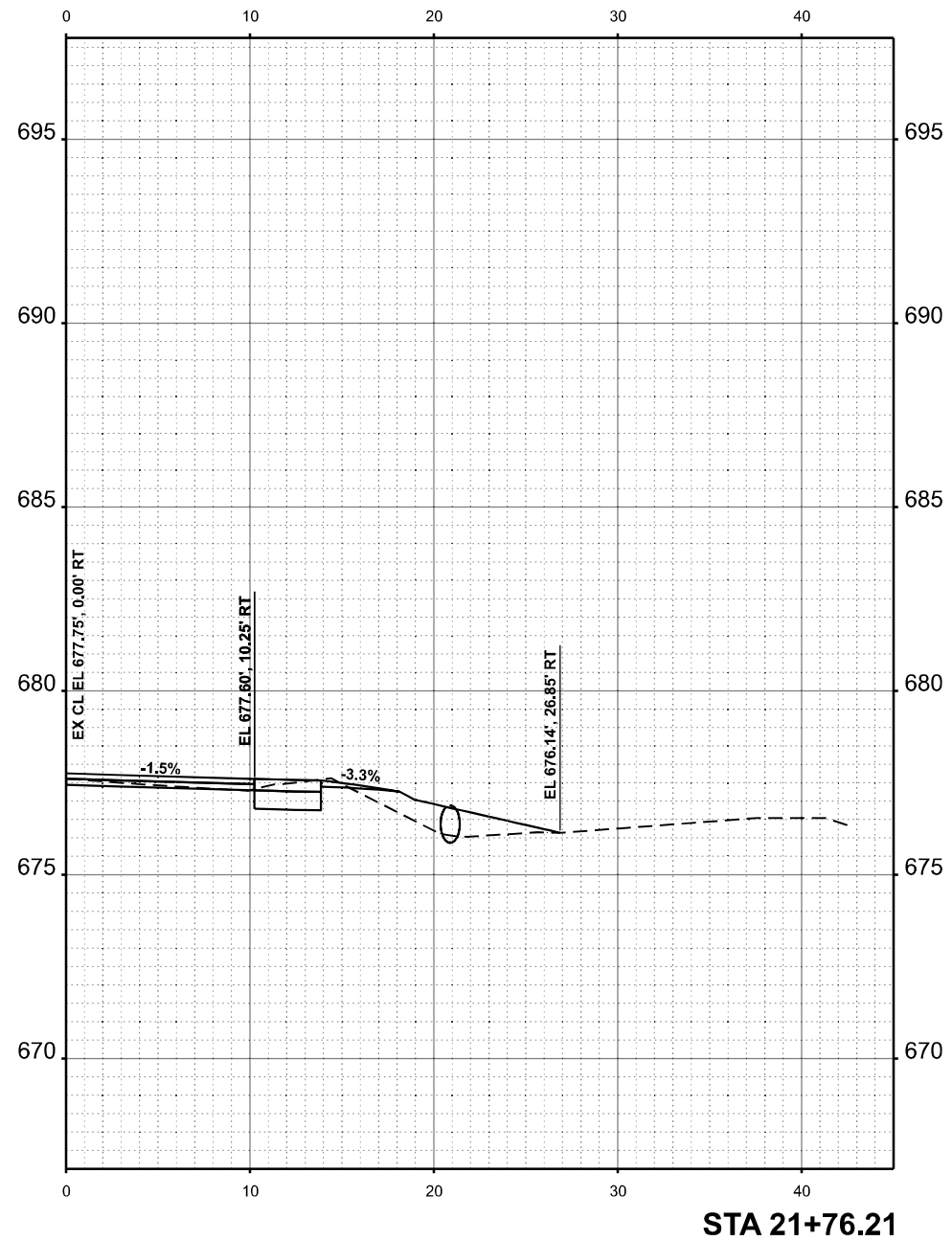
SCALE:	SHEET 6	OF 8 SHEETS	STA. 21+49.44 R2	TO STA. 21+63.67 R2
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	64
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

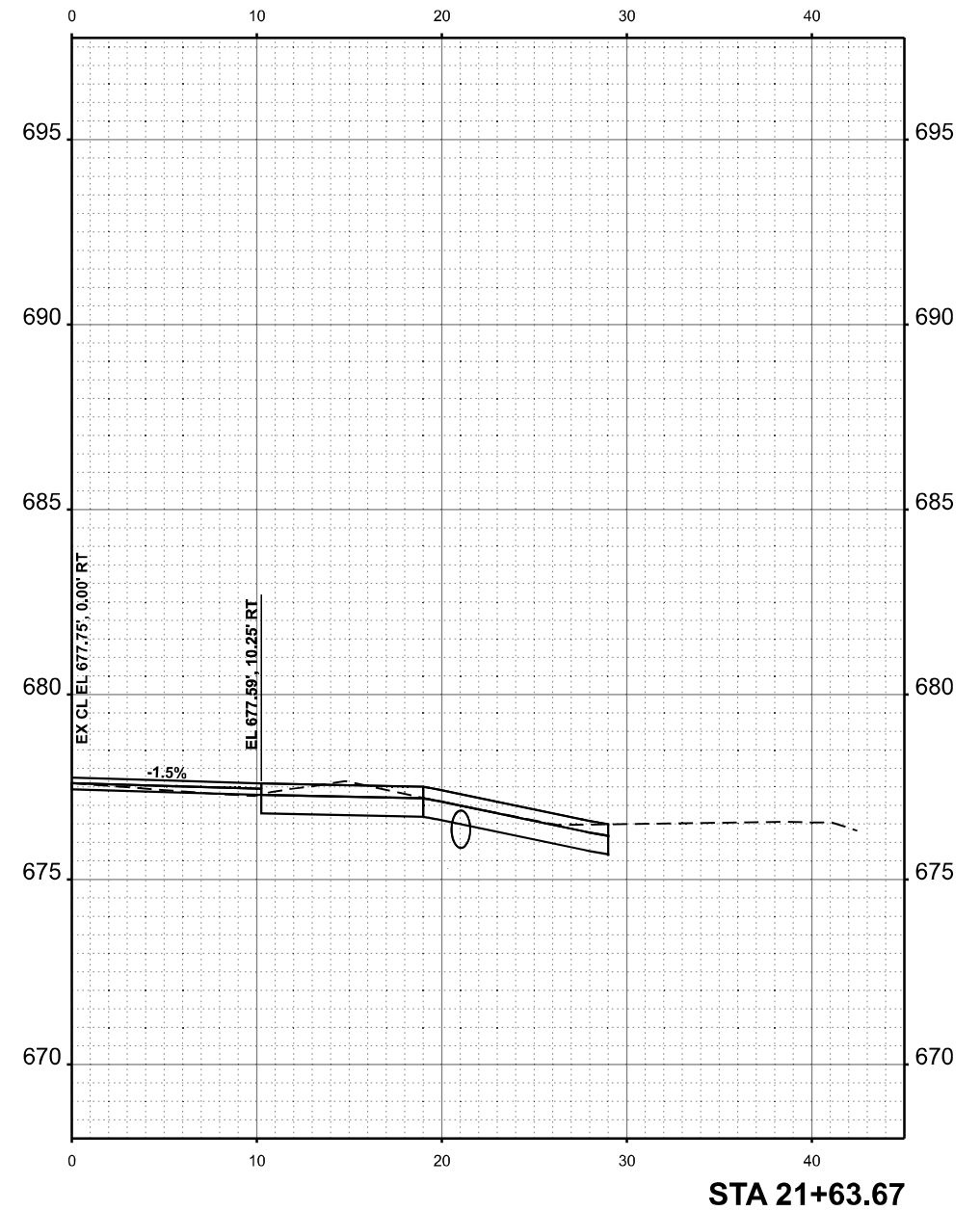
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NO.	TEMPLATE		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		
	AREAS CHECKED		

MODEL: FAS_E20_21+77.96 R2 (Sheet)
FILE NAME: P:\22E2703-4 - 90392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-shr-ssc.dgn



STA 21+76.21



STA 21+63.67



USER NAME = rshaw	DESIGNED - DSR	REVISED -
	DRAWN - RDS	REVISED -
PLOT SCALE = 0.166666833' / in.	CHECKED - WJS	REVISED -
PLOT DATE = 1/25/2024	DATE - JANUARY 24, 2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
WESTVILLE RD

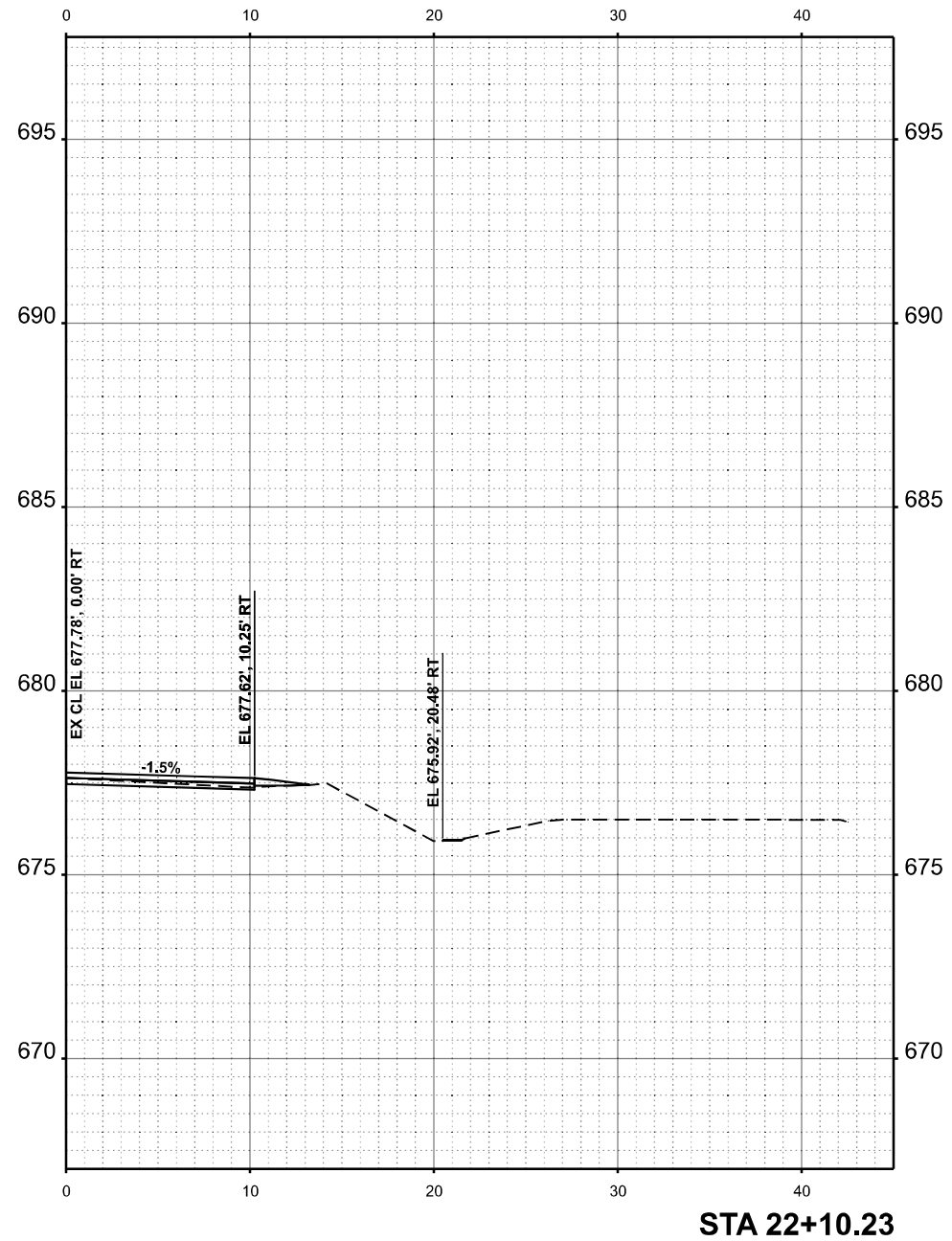
SCALE: SHEET 7 OF 8 SHEETS STA. 21+77.96 R2 TO STA. 21+93.98 R2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	65
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				

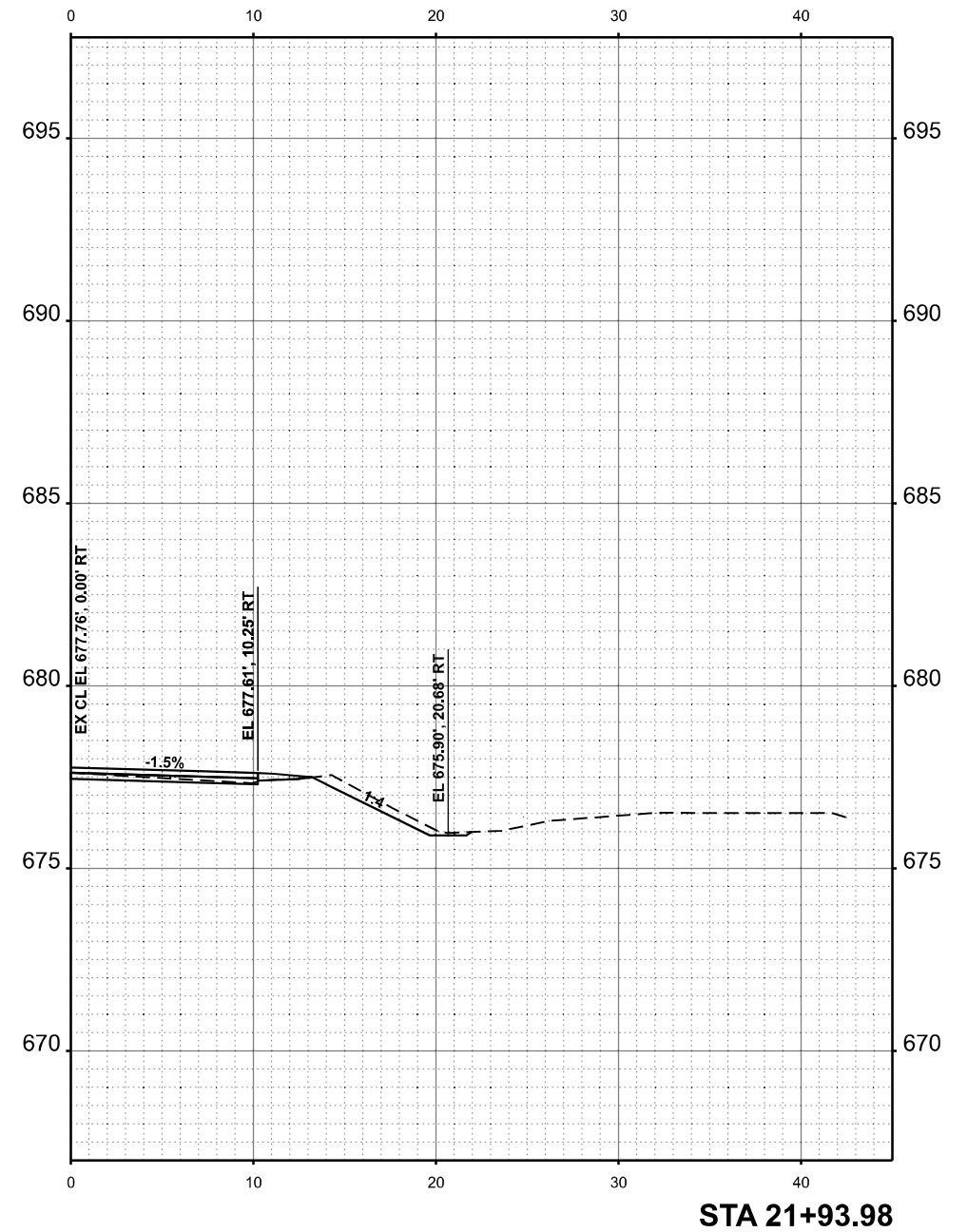
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NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

MODEL: FAS_E22_22+10.23 R2 (Sheet)
 FILE NAME: P:\22E2703-4 - 90392 Westville PS&E\90392 Section 40(W,RS)\CADD Sheets\90392-sh2-ssc.dgn



STA 22+10.23



STA 21+93.98



USER NAME = rshaw	DESIGNED - DSR	REVISED -
	DRAWN - RDS	REVISED -
PLOT SCALE = 0.166666833' / in.	CHECKED - WJS	REVISED -
PLOT DATE = 1/25/2024	DATE - JANUARY 24, 2024	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 WESTVILLE RD

SCALE: 1"=5' SHEET 8 OF 8 SHEETS STA. 22+10.23 R2 TO STA. 22+10.23 R2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	40(W,RS)	VERMILION	66	66
CONTRACT NO. 90392				
ILLINOIS FED. AID PROJECT				