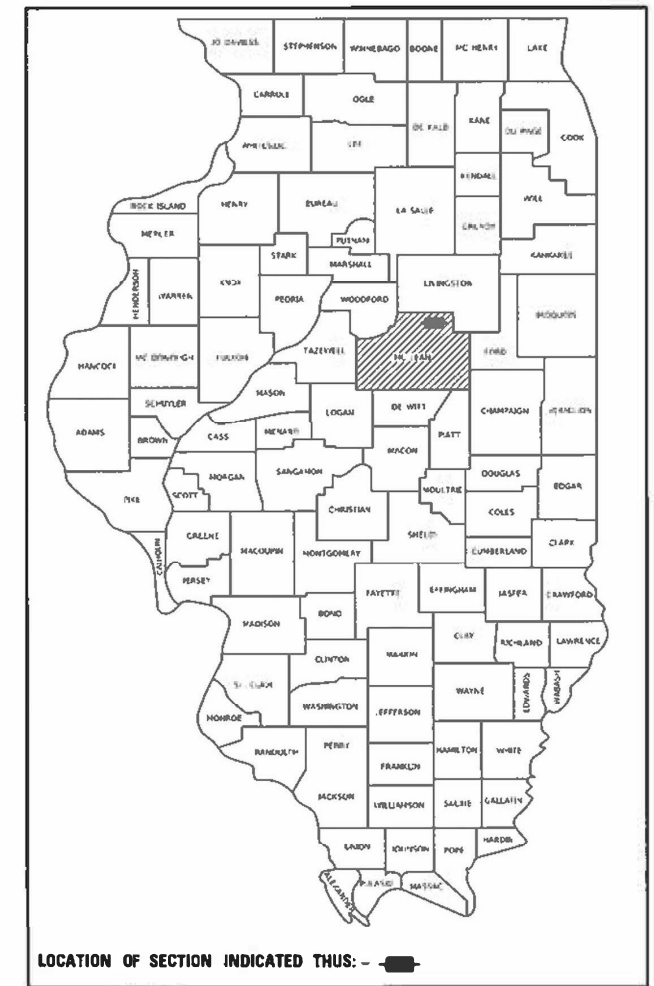


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(27)RS-3,(28)RS-5&(27,28)BR-1	MCLEAN	56	1
ILLINOIS		CONTRACT NO. 70A88		

P-95-033-20



STRUCTURE INFORMATION:
S.N. **057-0230** SCOPE OF WORK **BRIDGE DECK /JOINT REPAIRS**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR SUMMARY OF QUANTITIES, SEE SHEET NOS. 4-8

PROPOSED HIGHWAY PLANS

ROUTE: FAP 317 (US 24)
SECTION: (27)RS-3,(28)RS-5&(27,28)BR-1
PROJECT: NHPP-Q1KD(233)
STANDARD OVERLAY (3P)
AND BRIDGE DECK /JOINT REPAIRS
MCLEAN COUNTY

0.4 MILE OF GRANT ST IN CHENOA TO LIVINGSTON CO LINE

TRAFFIC DATA

Leg "A"	US 24
2020 ADT =	4,950
2030 ADT =	5,200
2040 ADT =	5,400
2040 AM DHV =	440
2040 PM DHV =	455
P.U. & P.C.% =	74.0
(Bus,6T, & 3A)SU% =	7.0
(All Semi)MU% =	19.0
ADT Max. Dir. Dist. =	55%
Truck Rte. Class. =	Class II
N.H.S. Route (?) =	Yes
Functional Class. =	O.P.A.

SECTION# (27)RS-3,(28)RS-5&(27,28)BR-1
BEGINS STA. 01 + 09.20

S.N. 057-0071 PAVING OMISSION
BEGINS: STA. 43 + 40.38
ENDS STA. 44 + 45.63

C-95-050-20

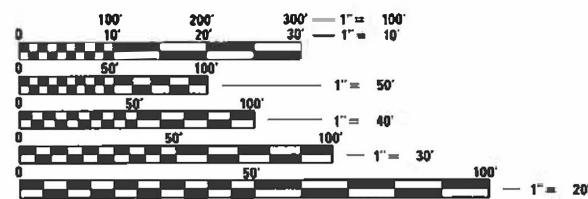
S.N. 057-0230 REPAIR WORK
BEGINS: STA. 209 + 06.75
ENDS STA. 210 + 64.25



SECTION# (27)RS-3,(28)RS-5&(27,28)BR-1
ENDS STA. 363 + 30.00

TOWNSHIPS

CHENOA, INDIAN GROVE, YATES

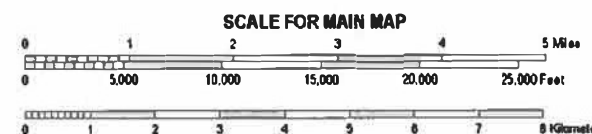
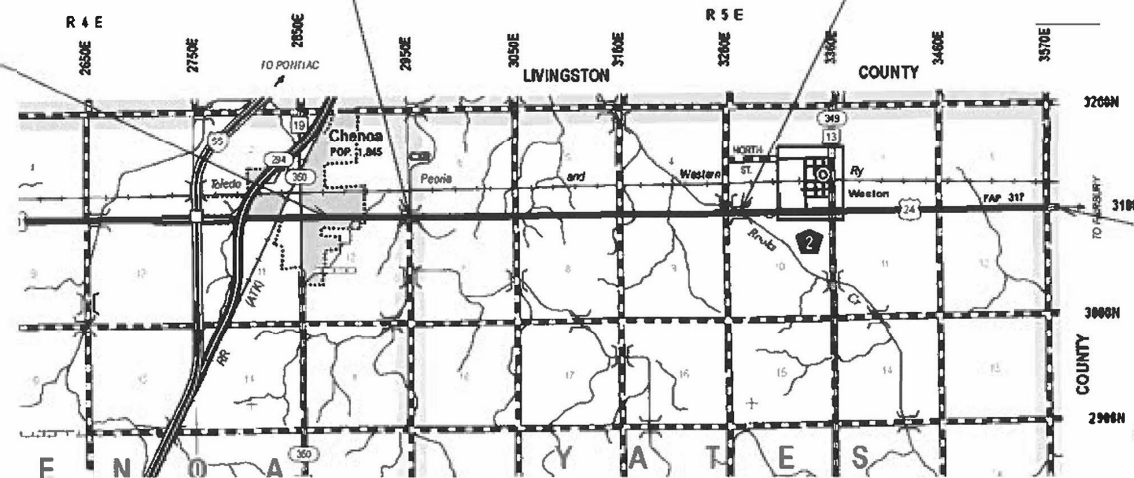


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JASON W. STULTS, P.E.
SQUAD LEADER: JASON R. GOBLE
PROJECT DESIGNER: MATTHEW W. MURPHY
PHONE NUMBER: 217-465-4181

CONTRACT NO. 70A88



GROSS LENGTH = 36220.80 FT. = 6.860 MILE
NET LENGTH = 35958.05 FT. = 6.810 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 3/21/23
Kenneth A. Knutson
REGIONAL ENGINEER

May 12, 2023
Steph A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

May 12, 2023
Steph A. Etk
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVERSHEET
2	INDEX OF SHEETS
2	LIST OF STANDARDS
3	GENERAL NOTES
4-8	SUMMARY OF QUANTITIES
9-10	EXISTING AND PROPOSED TYPICAL CROSS SECTIONS
11-14	SCHEDULE OF QUANTITIES
15-28	PLAN SHEETS
29-34	S.N. 057-0230 PLAN SHEETS
35-36	ADA RAMP DETAIL SHEETS
37-40	WIDTH RESTRICTION SIGNAGE PLAN SHEETS
41-57	DISTRICT 5 DETAIL SHEETS

LIST OF HIGHWAY STANDARDS

STANDARD NO.	NAME OF STANDARD
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420406	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442101-09	CLASS B PATCHES
482011-03	HMA SHOULDER, STRIPS/SHOULDERS, WITH RESURFACING OR WIDENING & RESURFACING PROJECTS
606001-08	CONCRETE CURB TYPE B & COMBINATION CONCRETE CURB & GUTTER
642006-01	SHOULDER RUMBLE STRIPS, 8 IN.
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600MM) FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS 45 MPH OR MORE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS 45 MPH OR MORE
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701321-18	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

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PLOT DATE = 3/22/2023	DATE -	REV[SED] -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, LIST OF STANDARDS
& GENERAL NOTES**

SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. _____ TO STA. _____

FA ? I RTE.	SECTION	COUNTY	TOTAL SHEETS
311 I	*	MCLEAN	56 2
			CONTRACT NO. 70A88
ILLINOIS FED. AID PROJECT			

(27)RS-3,(28)RS-5&(27,28)BR-1

GENERAL NOTES

G.N.-100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

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 FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

GN 406H Mixture Requirements Contract: 70A88

Location	US 24	US 24	US 24
Mixture Use	Surface Mainline / Shoulder	Binder FG Mainline	Incidental
AC/PG	PG 64-22	PG 64-22	PG 64-22
Design Air Voids	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
Mix Comp(Gradation)	IL 9.5	IL 9.5 FG	IL 9.5
Friction Aggregate	Mix C	N.A.	Mix C
Mixture Weight	112	112	112
Quality Management Program	QCP	QCP	QC/QA
Sublot Size	1000	1000	N.A.

G.N. 406S

PROJECT POSTED SPEED LIMITS

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

STATION	TO	STATION	POSTED SPEED LIMIT (MPH)
01+09.20		17+00.00	30
17+00.00		23+75.00	40
23+75.00		336+30.00	55

G.N. -408B

THE INCIDENTAL HOT-MIX ASPHALT SURFACING SHALL BE COMPACTED AS REQUIRED BY THE SPECIFICATIONS FOR DESIGN NUMBER OF GYRATIONS BEING USED,

AT THE FOLLOWING LOCATIONS:
N 3360 E RD (CH 13)

G.N.-440B

THE EXISTING TIE BARS BETWEEN THE EXISTING PAVEMENT AND EXISTING MEDIANS, GUTTERS AND/OR COMBINATION CURB AND GUTTERS THAT ARE FOUND SUITABLE FOR REUSE SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY EXISTING TIE BARS THAT ARE FOUND UNSUITABLE TO BE INCORPORATED INTO THE PROPOSED CONSTRUCTION DUE TO EXCESSIVE RUSTING OR DISTRESS SHALL BE REMOVED FLUSH WITH THE FACE OF THE EXISTING CONCRETE AND DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS REMOVAL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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.

IF THE SAME MTD IS USED THROUGHOUT THE ENTIRE CONTRACT, THEN IT MUST BE LIMITED TO AN EMPTY GROSS WEIGHT OF 40 TONS OR LESS.

STRUCTURE INFORMATION:

S.N. _____ SCOPE OF WORK
057-0230 BRIDGE DECK / JOINT REPAIRS

COMMITMENTS:

THERE ARE NO COMMITMENTS FOR THIS CONTRACT.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, LIST OF STANDARDS
& GENERAL NOTES**

SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	3
			CONTRACT NO. 70A88	

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAP 317 / US 24 RURAL - 2 LANE O.P.A. STA. 01+09.20 TO STA. 363+30.00	FAP 317 / US 24 RURAL - 2 LANE O.P.A. STA. 208+31.19 TO STA. 211+31.88
MCLEAN	MCLEAN
FEDERAL 80% / STATE 20%	FEDERAL 80% / STATE 20%
0005	0047

COUNTY:

FUNDING BREAKOUT:

CONSTRUCTION TYPE CODE:

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	80,554.0	80,554.0	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	35,958.0	35,958.0	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT	SQ YD	82.0	82.0	
40600990	TEMPORARY RAMP	SQ YD	566.0	566.0	
4602970	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	7,272.0	7,272.0	
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	8,726.0	8,726.0	
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	2,376.0	2,376.0	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	444.0	444.0	
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	480.0		480.0
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	363.0	363.0	
* 42400800	DETECTABLE WARNINGS	SQ FT	30.0	30.0	
44000100	PAVEMENT REMOVAL	SQ YD	480.0		480.0
44000154	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/4"	SQ YD	22,194.0	22,194.0	
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	103,876.0	103,876.0	
* SPECIALTY ITEM					

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE. 317	SECTION *	COUNTY MCLEAN	TOTAL SHEETS 56	SHEET NO. 4
			CONTRACT NO. 70A88	
ILLINOIS FED. AID PROJECT				

(27)RS-3,(28)RS-56,(27,28)BR-1

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAP 317 / US 24 RURAL - 2 LANE O.P.A. STA. 01+09.20 TO STA. 363+30.00 MCLEAN FEDERAL 80% / STATE 20%	FAP 317 / US 24 RURAL - 2 LANE O.P.A. STA. 208+31.19 TO STA. 211+31.88 MCLEAN FEDERAL 80% / STATE 20%
0005	0047

COUNTY:

FUNDING BREAKOUT:

CONSTRUCTION TYPE CODE:

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	22.0	22.0	
44000600	SIDEWALK REMOVAL	SQ FT	376.0	376.0	
44200050	WELDED WIRE REINFORCEMENT	SQ YD	265.0	265.0	
44200994	CLASS B PATCHES, TYPE II, 12 INCH	SQ YD	192.0	192.0	
44200998	CLASS B PATCHES, TYPE III, 12 INCH	SQ YD	35.0	35.0	
44201019	CLASS B PATCHES, TYPE II, 14 INCH	SQ YD	643.0	643.0	
44201023	CLASS B PATCHES, TYPE III, 14 INCH	SQ YD	16.0	16.0	
44201025	CLASS B PATCHES, TYPE IV, 14 INCH	SQ YD	213.0	213.0	
44201299	DOWEL BARS 1 1/2"	EACH	2,256.0	2,256.0	
44213200	SAW CUTS	FOOT	5,664.0	5,664.0	
44213204	TIE BARS 3/4"	EACH	55.0	55.0	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1,289.0	1,289.0	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1,949.0	1,949.0	
60255500	MANHOLES TO BE ADJUSTED	EACH	3.0	3.0	
* SPECIALTY ITEM					

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PLOT DATE = 3/22/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	5
CONTRACT NO. 70A88				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAP 317 / US 24 RURAL - 2 LANE O.P.A. STA. 01+09.20 TO STA. 363+30.00 MCLEAN FEDERAL 80% / STATE 20%	FAP 317 / US 24 RURAL - 2 LANE O.P.A. STA. 208+31.19 TO STA. 211+31.88 MCLEAN FEDERAL 80% / STATE 20%
0005	0047

COUNTY:

FUNDING BREAKOUT:

CONSTRUCTION TYPE CODE:

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	22.0	22.0	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	68,301.0	68,301.0	
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	4.0	4.0	
67100100	MOBILIZATION	L SUM	1.0	1.0	
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1.0		1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0	1.0	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0	1.0	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1.0	1.0	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1.0	1.0	
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1.0		1.0
70300100	SHORT TERM PAVEMENT MARKING	FOOT	16,001.0	16,001.0	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQFT	5,334.0	5,334.0	
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	76,854.0	76,854.0	
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	59.0	59.0	
* SPECIALTY ITEM					

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PLOT DATE = 3/22/2023		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: 1 SHEET 3 OF 5 SHEETS! STA. TO STA.

F A P RTE. I	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311 I		MCLEAN I	56 I	6
		CONTRACT NO. 70A88		
ILLINOIS I FED. AID PROJECT				

(27)RS-3,(28)RS-5&(27,28)BR-1

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAP 317 / US 24 RURAL - 2 LANE O.P.A. STA. 01+09.20 TO STA. 363+30.00	FAP 317 / US 24 RURAL - 2 LANE O.P.A. STA. 208+31.19 TO STA. 211+31.88
MCLEAN	MCLEAN
FEDERAL 80% / STATE 20%	FEDERAL 80% / STATE 20%
0005	0047

COUNTY:

FUNDING BREAKOUT:

CONSTRUCTION TYPE CODE:

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
70400100	TEMPORARY CONCRETE BARRIER	FOOT	775.0		775.0
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	775.0		775.0
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2.0		2.0
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2.0		2.0
• 78000400	THERMOPLASTIC PAVEMENT MARKING- LINE 6"	FOOT	59.0	59.0	
• 78001110	PAINT PAVEMENT MARKING- LINE 4"	FOOT	76,854.0	76,854.0	
• 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	59.0	59.0	
• 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	445.0	445.0	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	445.0	445.0	
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL)	SQYD	5,279.0	5,279.0	
X7200201	WIDTH RESTRICTION SIGNING	LSUM	1.0		1.0
* XZ19340	SURVEY MARKER, TYPE 2 (SPECIAL)	EACH	5.0	5.0	
Z0013798	CONSTRUCTION LAYOUT	LSUM	1.0	1.0	
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQYD	16.0		16.0
* SPECIALTY ITEM					

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: 1 SHEET OF 5 SHEETS! STA. TO STA.

F A P RTE. I	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311 I		MCLEAN I	56 I	7
		CONTRACT NO. 70A88		
ILLINOIS FEDERAL AID PROJECT				

(27)RS-3,(28)RS-58,(27,28)BR-1

REV. 4/5/23

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAP 317 / US 24	FAP 317 / US 24
RURAL - 2 LANE	RURAL - 2 LANE
O.P.A.	O.P.A.
STA. 01+09.20 TO STA. 363+30.00	STA. 208+31.19 TO STA. 211+31.88
MCLEAN	MCLEAN
FEDERAL 80% / STATE 20%	FEDERAL 80% / STATE 20%
0005	0047

COUNTY:

FUNDING BREAKOUT:

CONSTRUCTION TYPE CODE:

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
Z0070202	SURVEY MARKER VAULT	EACH	4.0	4.0	
∅ Z0076600	TRAINEES	HOUR	500	500	
∅ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500	
* SPECIALTY ITEM ∅ 0042					

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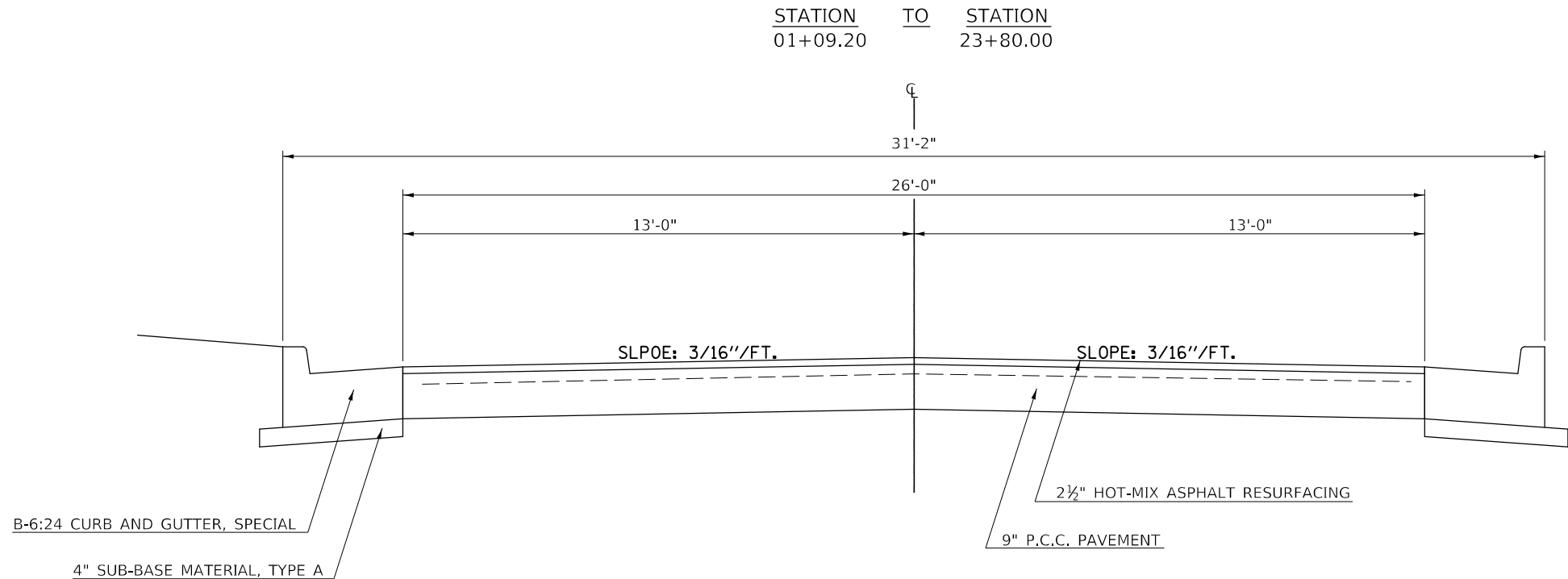
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

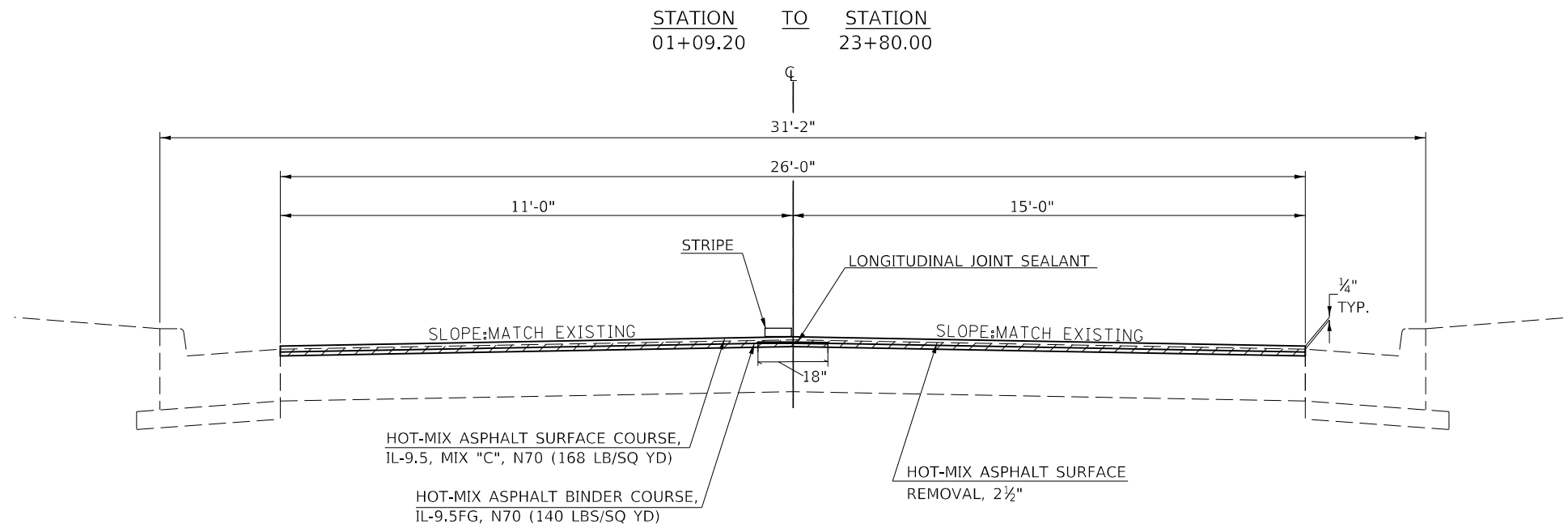
SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	8
CONTRACT NO. 70A88				
ILLINOIS FED. AID PROJECT				

1 EXISTING TYPICAL CROSS SECTION



A PROPOSED TYPICAL CROSS SECTION



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	DRAWN - MWM	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

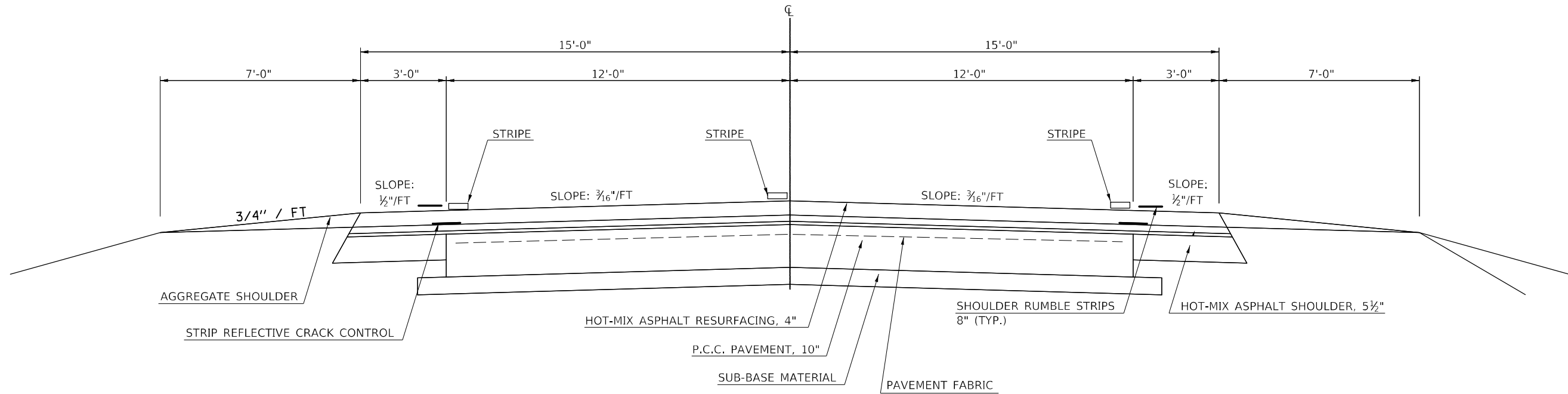
TYPICAL CROSS SECTIONS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. 01+09.20 TO STA. 23+80.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	9
CONTRACT NO. 70A88				
ILLINOIS FED. AID PROJECT				

2 EXISTING TYPICAL CROSS SECTION

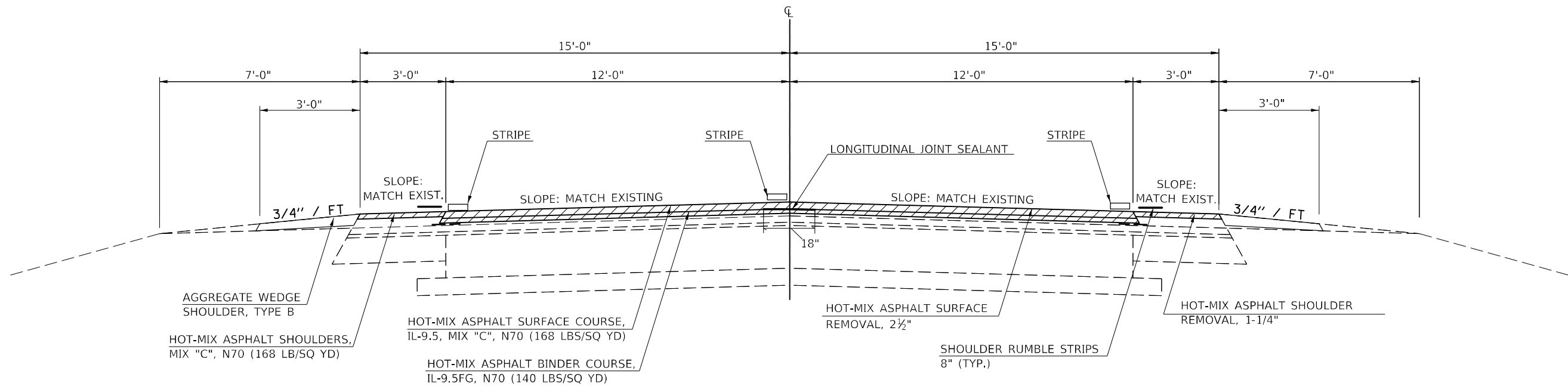
STATION TO STATION
23+80.00 TO 363+30.00



B PROPOSED TYPICAL CROSS SECTION

PAVING STRUCTURE OMISSIONS:
STA. 43+40.38 TO STA. 44+45.63
STA. 209+06.75 TO STA. 210+64.25

STATION TO STATION
23+80.00 TO 363+30.00



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USER NAME = Jason.Goble	DESIGNED - MWM	REVISED -
	DRAWN - MWM	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL CROSS SECTIONS

SCALE: NONE SHEET 2 OF 2 SHEETS STA. 23+80.00 TO STA. 363+30.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	10
CONTRACT NO. 70A88				
ILLINOIS FED. AID PROJECT				

(27)RS-3,(28)RS-56,(27,28)BR-1

SCHEDULE OF QUANTITIES

40600990 TEMPORARY RAMP

STATION	DROP (INCH)	LENGTH (FT)	WIDTH (FT)	QUANTITY (SQ YD)	CONSTRUCT AFTER
E.B. START	2.50	8.30	12.00	11.07	MILLING
W.B. START	2.50	8.30	12.00	11.07	MILLING
E.B. START	1.50	5.00	12.00	6.67	HMA BINDER
W.B. START	1.50	5.00	12.00	6.67	HMA BINDER
LT. 04+80.71	1.50	5.0	60.0	33.33	MILLING
LT. 08+96.80	1.50	5.0	60.0	33.33	MILLING
LT. 13+34.23	1.50	5.0	60.0	33.33	MILLING
LT. 16+35.98	1.50	5.0	50.0	27.80	MILLING
RT. 42+39.79	1.50	5.0	50.0	27.80	MILLING
RT. 96+53.65	1.50	5.0	50.0	27.80	MILLING
LT. 04+80.71	1.50	5.0	50.0	27.80	MILLING
RT. 149+08.12	1.50	5.0	50.0	27.80	MILLING
LT. 149+08.12	1.50	5.0	50.0	33.33	MILLING
LT. 202+08+75	1.50	5.0	50.0	27.80	MILLING
RT. 202+09.02	1.50	5.0	50.0	27.80	MILLING
RT. 255+20.58	1.50	5.0	50.0	27.80	MILLING
LT. 255+21.30	1.50	5.0	50.0	27.80	MILLING
RT. 308+59.56	1.50	5.0	50.0	27.80	MILLING
LT. 308+60.24	1.50	5.0	50.0	27.80	MILLING
RT. 362+52.77	1.50	5.0	50.0	27.80	MILLING
LT. 362+53.20	1.50	5.0	50.0	27.80	MILLING
E.B. END	2.50	8.30	12.00	11.07	MILLING
W.B. END	1.50	5.00	12.00	6.67	HMA BINDER
E.B. END	2.50	8.30	12.00	11.07	MILLING
W.B. END	1.50	5.00	12.00	6.67	HMA BINDER
TOTAL =				565.65	
USE =				566	
				SQ YD	

70300100 SHORT TERM PAVEMENT MARKING

70300150 SHORT TERM PAVEMENT MARKING REMOVAL

LOCATION	STATION TO STATION	FEET	70300100 QUANTITY (FT)	APPLY AFTER	COLOR	70300150 QUANTITY (SQ FT)
CENTER LN	001+09.20 ~ 023+80.20	2,271.00	688.00	①MILLING ②HMA BINDER ③HMA SURFACE	YELLOW	229.3
EDGE LN	016+94.39 ~ 023+80.20	685.81	158.26	①MILLING ②HMA BINDER ③HMA SURFACE	WHITE	52.8
CENTER LN	023+80.20 ~ 043+40.38	1,960.18	595.00	①MILLING ②HMA BINDER ③HMA SURFACE	YELLOW	198.3
EDGE LN	023+80.20 ~ 043+40.38	1,960.18	452.35	①MILLING ②HMA BINDER ③HMA SURFACE	WHITE	150.8
CENTER LN	044+45.63 ~ 209+06.75	16,461.12	4,945.00	①MILLING ②HMA BINDER ③HMA SURFACE	YELLOW	1,648.3
EDGE LN	210+64.25 ~ 363+30.00	15,265.75	9,162.00	①MILLING ②HMA BINDER ③HMA SURFACE	WHITE	3,054.0
TOTAL:			16,000.6			5,333.5
USE:			16,001			5,334
			FT			SQ FT

78000400 THERMOPLASTIC PAVEMENT MARKING LINE 6"

78001110 PAINT PAVEMENT MARKING - LINE 4"

78011035 GROOVING FOR RECESSED PAVEMENT MARKING 7"

LOCATION	STATION	STATION	78001110 QUANTITY (FT)	COLOR	78000400 QUANTITY (FT)	78011035 QUANTITY (FT)
FAP 317						
LT.	EDGE LINE	16+93.00	39+13.00	2220.0	WHITE	
RT.	EDGE LINE	16+93.00	41+85.00	2492.0	WHITE	
LT.	EDGE LINE	39+89.00	96+09.00	5620.0	WHITE	
RT.	EDGE LINE	42+71.00	96+09.00	5338.0	WHITE	
LT.	EDGE LINE	96+91.00	148+20.00	5129.0	WHITE	
RT.	EDGE LINE	96+91.00	148+20.00	5129.0	WHITE	
LT.	EDGE LINE	149+37.00	201+63.00	5226.0	WHITE	
RT.	EDGE LINE	149+37.00	201+63.00	5226.0	WHITE	
LT.	EDGE LINE	202+58.00	241+58.00	3900.0	WHITE	
RT.	EDGE LINE	202+58.00	254+71.00	5213.0	WHITE	
LT.	EDGE LINE	242+58.00	254+52.00	1194.0	WHITE	
LT.	EDGE LINE	255+85.00	308+15.00	5230.0	WHITE	
RT.	EDGE LINE	255+97.00	308+15.00	5218.0	WHITE	
LT.	EDGE LINE	309+03.00	362+03.00	5300.0	WHITE	
RT.	EDGE LINE	308+97.00	362+01.00	5304.0	WHITE	
LT.	EDGE LINE	363+06.00	363+30.00	24.0	WHITE	
RT.	EDGE LINE	363+09.00	363+30.00	21.0	WHITE	
CT.	CENTER LINE SKIP DASH	1+09.20	363+30.00	9070.0	YELLOW	
CROSS WALK STRIPES 5TH ST.					WHITE	59.0
TOTAL =				76,854.00		59.0
USE =				76,854		59
				FT		FT

48102100 AGGREGATE WEDGE SHOULDER, TYPE B

LOCATION	STATION TO STATION	LENGTH (FOOT)	AGGREGATE SHOULDER WIDTH (FOOT)	AVERAGE SHOULDER THICKNESS (INCH)	48102100 AGGREGATE WEDGE SHOULDER, TYPE B TON
RT.	016+94.19 ~ 043+40.38	2646.2	3.0	1.13	49.62
LT.	016+94.19 ~ 043+40.38	2646.2	3.0	1.13	49.62
RT.	044+45.63 ~ 209+06.75	16461.1	3.0	1.13	308.65
LT.	044+45.63 ~ 209+06.75	16461.1	3.0	1.13	308.65
RT.	210+64.25 ~ 363+30.00	15265.8	3.0	1.13	286.23
LT.	210+64.25 ~ 363+30.00	15265.8	3.0	1.13	286.23
TOTAL =					1289.00
USE =					1,289
					TON

78100100 RAISED REFLECTIVE PAVEMENT MARKER

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

LOCATION	STATION TO STATION	LENGTH (FT)	78100100 TWO-WAY AMBER QUANTITY (EACH)	78300200 RPPM REMOVAL QUANTITY (EACH)
FAP 317				
SINGLE	C.L.	001+09.20 ~ 043+40.38	4231.18	54.0
SINGLE	C.L.	044+45.63 ~ 206+08.00	16162.37	203
SINGLE	C.L.	213+63.00 ~ 363+30.00	14967.00	188
TOTAL =			445	445
USE =			445	445
			EACH	EACH

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USER NAME = Jason,Goble	DESIGNED -	REVISD -
	DRAWN -	REVISD -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISD -
PLOT DATE = 3/22/2023	DATE -	REVISD -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	Mclean	56	13
CONTRACT NO. 70A88			ILLINOIS FED. AID PROJECT	

SCHEDULE OF QUANTITIES

XZ193400 SURVEY MARKER, TYPE 2 (SPECIAL)

Z0070202 SURVEY MARKER VAULT

					XZ193400	Z0070202
LOCATION					SURVEY MARKER, TYPE 2 (SPECIAL)	SURVEY MARKER VAULT
OFFSET					(EACH)	
DESCRIPTION						
NORTHING	EASTING	STATION				
FAP 317						
1484332.57	880188.859	16+47.42	0	SECTION CORNER		1.0
1484354.286	888193.364	96+52.06	2.18' RT	SECTION CORNER		1.0
1484556.998	904063.375	255+23.40	0.32' RT	SECTION CORNER		1.0
1484684.025	909398.141	308+59.62	24.15' LT	SECTION CORNER		1.0
1484343.746	881036.099	24+94.73	2.16' LT	PI	1.0	
1484338.098	887042.841	85+01.44	3.04' RT	PI	1.0	
1484409.927	891541.083	130+00.24	0.39' LT	PI	1.0	
1484556.045	904063.13	255+23.14	1.27' RT	PI	1.0	
1484681.283	910498.367	319+59.59	0.48' LT	PI	1.0	
TOTAL =					5.0	4.0
USE =					5	4
					EACH	EACH

70300221 TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT

70300241 TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT

				70300221		70300241
LOCATION				QUANTITY (FT)	COLOR	QUANTITY (FT)
FAP 317						
LT.	EDGE LINE	16+93.00	39+13.00	2220.0	WHITE	
RT.	EDGE LINE	16+93.00	41+85.00	2492.0	WHITE	
LT.	EDGE LINE	39+89.00	96+09.00	5620.0	WHITE	
RT.	EDGE LINE	42+71.00	96+09.00	5338.0	WHITE	
LT.	EDGE LINE	96+91.00	148+20.00	5129.0	WHITE	
RT.	EDGE LINE	96+91.00	148+20.00	5129.0	WHITE	
LT.	EDGE LINE	149+37.00	201+63.00	5226.0	WHITE	
RT.	EDGE LINE	149+37.00	201+63.00	5226.0	WHITE	
LT.	EDGE LINE	202+58.00	241+58.00	3900.0	WHITE	
RT.	EDGE LINE	202+58.00	254+71.00	5213.0	WHITE	
LT.	EDGE LINE	242+58.00	254+52.00	1194.0	WHITE	
LT.	EDGE LINE	255+85.00	308+15.00	5230.0	WHITE	
RT.	EDGE LINE	255+97.00	308+15.00	5218.0	WHITE	
LT.	EDGE LINE	309+03.00	362+03.00	5300.0	WHITE	
RT.	EDGE LINE	303+97.00	362+01.00	5304.0	WHITE	
LT.	EDGE LINE	363+06.00	363+30.00	24.0	WHITE	
RT.	EDGE LINE	363+09.00	363+30.00	21.0	WHITE	
CT.	C.L. SKIP DASH	1+09.20	363+30.00	9070.0	YELLOW	
CROSS WALK STRIPES 5TH ST.					WHITE	59.00
TOTAL:				76,854.00		59.00
USE:				76,854		59

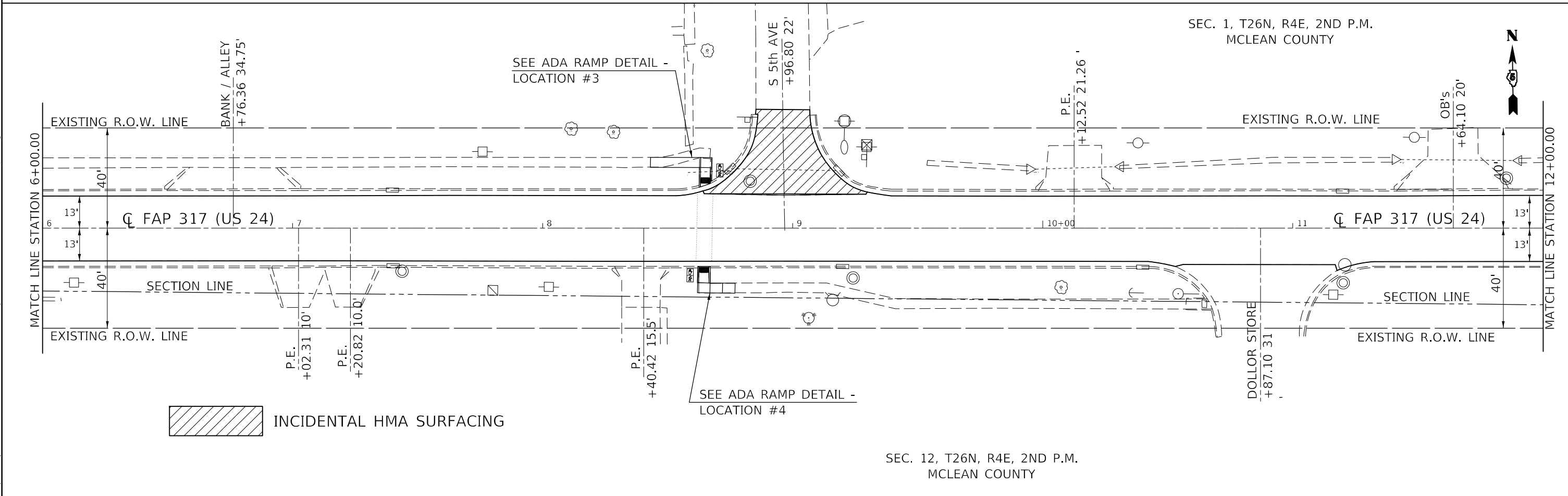
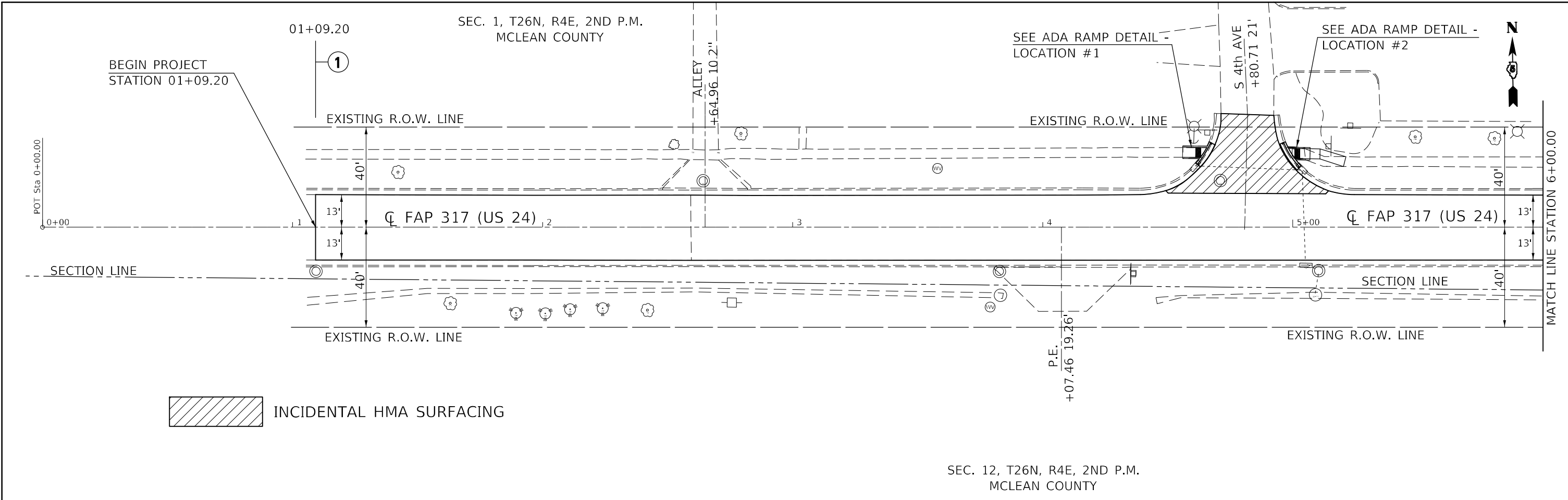
						44000600	42400200	44000500	60605000	60255500
LOCATION						SIDEWALK REMOVAL (SQ FT)	P.C.C. SIDEWALK 5 INCH (SQ FT)	COMBINATION CURB AND GUTTER REMOVAL (FOOT)	COMBINATION CURB AND GUTTER B-6.24 (FOOT)	MANHOLES TO BE ADJUSTED (EACH)
FAP 317										
4th AVE LT.	LT. 29.96'	4+56.02	~	LT. 29.89'	4+64.64	44.89	43.27			
4th AVE LT.	LT. 25.20'	4+61.81	~	LT. 33.87'	4+67.12			10.00	10.00	
4th AVE LT.	LT. 33.97'	4+96.35	~	LT. 23.98'	5+02.81			12.00	12.00	
4th AVE LT.	LT. 18.64'	4+71.02								1
4th AVE RT.	LT. 29.93'	4+99.47	~	LT. 26.26'	5+14.15	91.32	93.16			
5th AVE RT.	LT. 28.28'	8+43.12	~	LT. 28.16'	8+67.74	148.85	132.96			
5th AVE RT.	LT. 18.75'	8+83.02								1
5th AVE RT.	RT. 25.88'	8+61.92	~	LT. 25.99'	8+76.92	90.77	93.08			
DOLLAR GENERAL	RT. 14.63'	11+20.84								1
TOTAL:						375.83	362.47	22.00	22.00	3
USE:						376	363	22	22	3

40600370 LONGITUDINAL JOINT SEALANT

LOCATION		CENTER LINE
FAP 317		40600370
STATION TO	STATION	LENGTH (FT)
001+09.20	~ 043+40.38	4,231.18
044+45.63	~ 209+06.75	16,461.12
210+64.25	~ 363+30.00	15,265.75
TOTAL :		35,958.05
USE :		35,958

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USER NAME = Jason.Goble	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.P. RTE. 317	SECTION *	COUNTY MCLEAN	TOTAL SHEETS 56	SHEET NO. 14
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -					CONTRACT NO. 70A88				
PLOT DATE = 3/22/2023	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
							SCALE: NONE	SHEET 4 OF 4 SHEETS	STA. TO STA.		



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USER NAME = Jason.Goble	DESIGNED -	REVISED -
DRAWN -	REVISOR -	REVISOR -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISOR -
PLOT DATE = 3/22/2023	DATE -	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

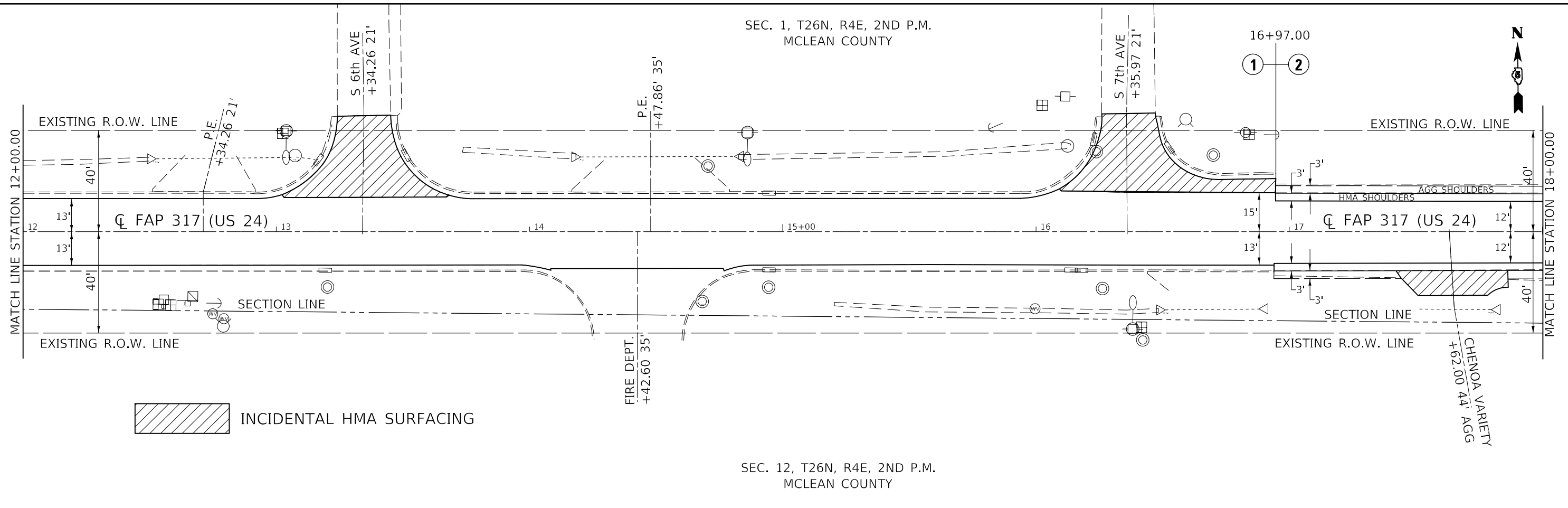
PLAN SHEETS	
SCALE: 1" = 20'	SHEET 1 OF 14 SHEETS
STA. 01+09.20	TO STA. 12+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	15
CONTRACT NO. 70A88				
ILLINOIS FED. AID PROJECT				

(27)RS-3,(28)RS-56,(27,28)BR-1

SEC. 1, T26N, R4E, 2ND P.M.
MCLEAN COUNTY

SEC. 12, T26N, R4E, 2ND P.M.
MCLEAN COUNTY



INCIDENTAL HMA SURFACING

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USER NAME = Jason.Goble	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

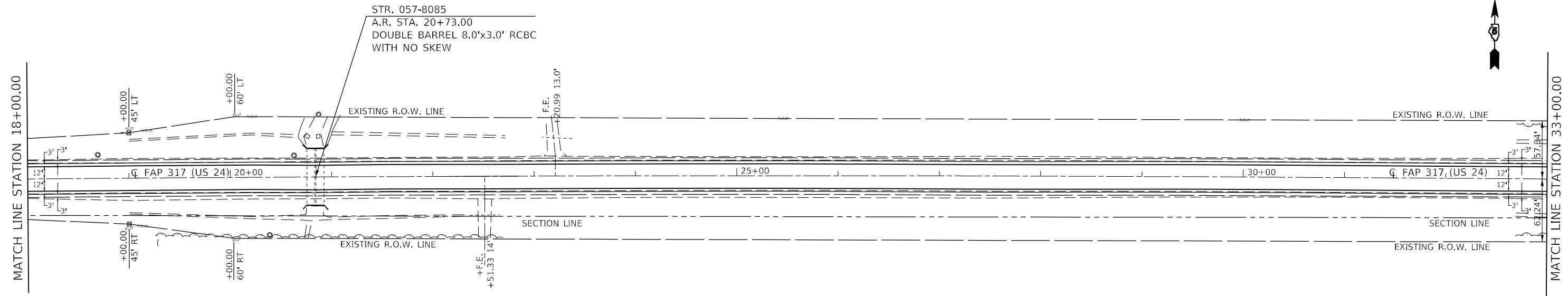
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS			
SCALE: 1" = 20'	SHEET 2	OF 14 SHEETS	STA. 12+00.00 TO STA. 18+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	16
CONTRACT NO. 70A88				
ILLINOIS FED. AID PROJECT				

(27)RS-3,(28)RS-56,(27,28)BR-1

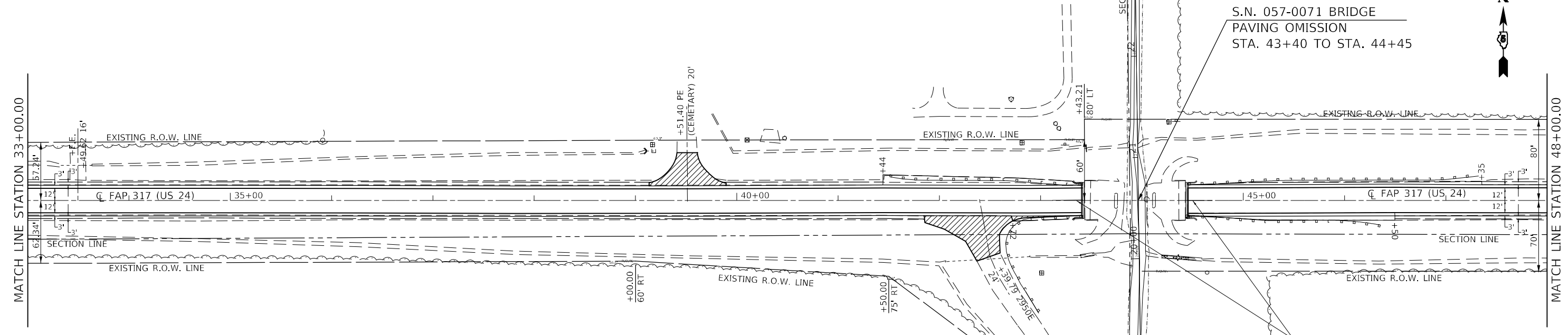
SEC. 1, T26N, R4E, 2ND P.M.
MCLEAN COUNTY



SEC. 12, T26N, R4E, 2ND P.M.
MCLEAN COUNTY

SEC. 1, T26N, R4E, 2ND P.M.
MCLEAN COUNTY

SEC. 6, T26N, R5E, 2ND P.M.
MCLEAN COUNTY



 INCIDENTAL HMA SURFACING

SEC. 12, T26N, R4E, 2ND P.M.
MCLEAN COUNTY

SEC. 7, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

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USER NAME = Jason,Goble	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

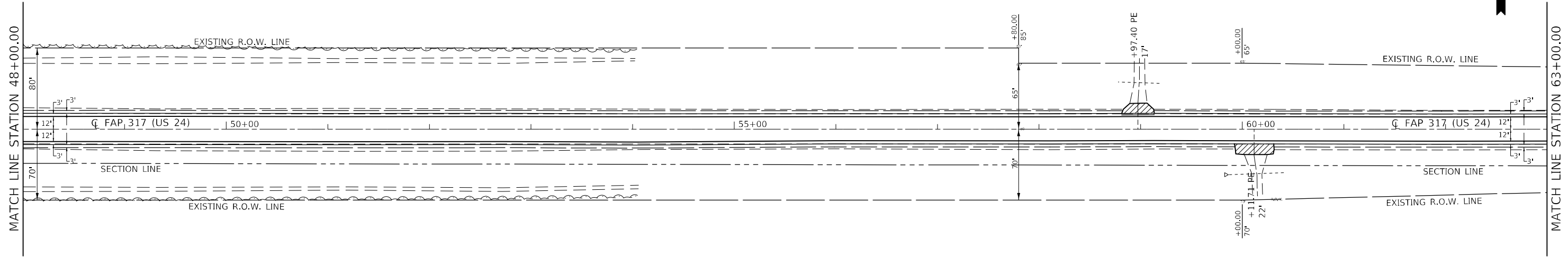
PLAN SHEETS

SCALE: 1" = 50' SHEET 3 OF 14 SHEETS STA. 18+00.00 TO STA. 48+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	17
CONTRACT NO. 70A88				

(27)RS-3,(28)RS-56,(27,28)BR-1

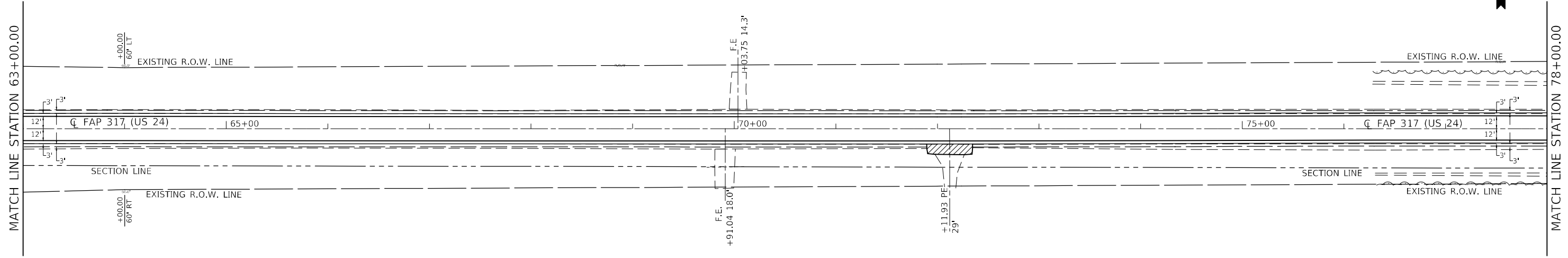
SEC. 6, T26N, R5E, 2ND P.M.
MCLEAN COUNTY



INCIDENTAL HMA SURFACING

SEC. 7, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

SEC. 6, T26N, R5E, 2ND P.M.
MCLEAN COUNTY



INCIDENTAL HMA SURFACING

SEC. 7, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

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USER NAME = Jason.Goble	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

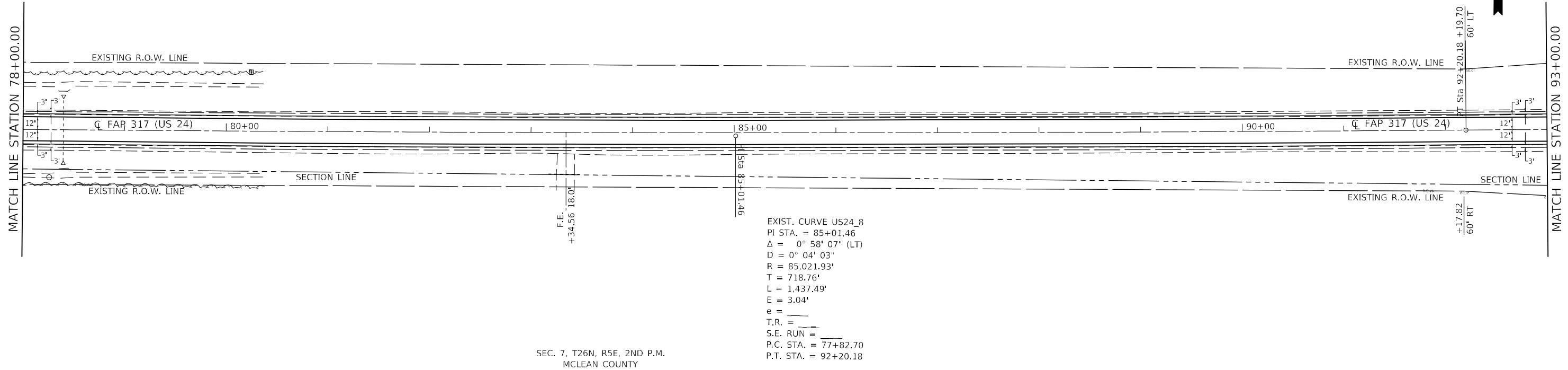
PLAN SHEETS

SCALE: 1" = 50' SHEET 4 OF 14 SHEETS STA. 48+00.00 TO STA. 78+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	18
CONTRACT NO. 70A88				
ILLINOIS FED. AID PROJECT				

(27)RS-3,(28)RS-56,(27,28)BR-1

SEC. 6, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

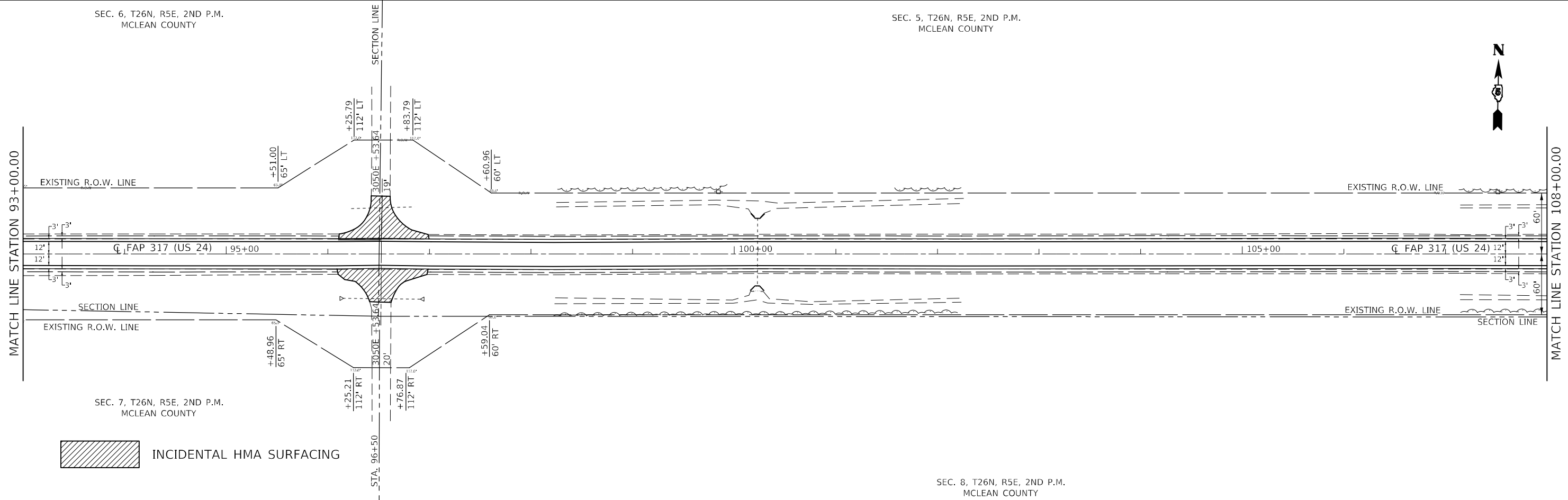


SEC. 7, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

EXIST. CURVE US24.8
PI STA. = 85+01.46
Δ = 0° 58' 07" (LT)
D = 0° 04' 03"
R = 85,021.93'
T = 718.76'
L = 1,437.49'
E = 3.04'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 77+82.70
P.T. STA. = 92+20.18

SEC. 6, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

SEC. 5, T26N, R5E, 2ND P.M.
MCLEAN COUNTY



SEC. 7, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

 INCIDENTAL HMA SURFACING

SEC. 8, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

USER NAME = Jason,Goble	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

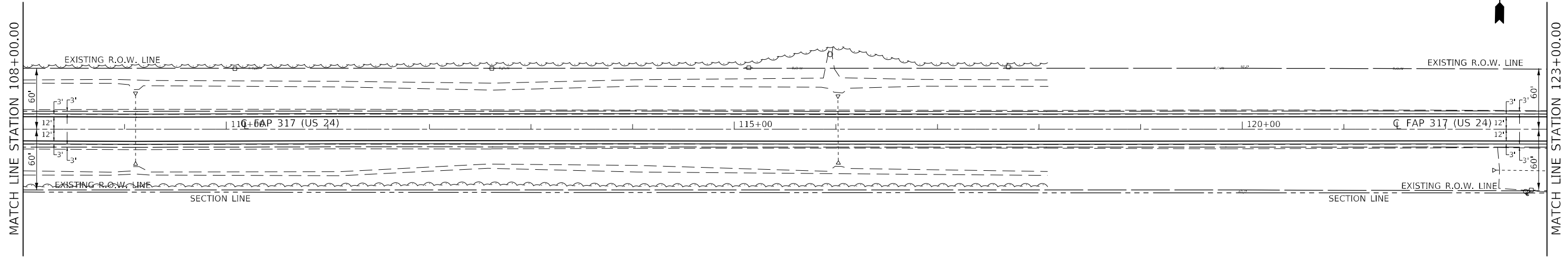
SCALE: 1" = 50' SHEET 5 OF 14 SHEETS STA. 78+00.00 TO STA. 108+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	19
CONTRACT NO. 70A88				

(27)RS-3,(28)RS-56,(27,28)BR-1

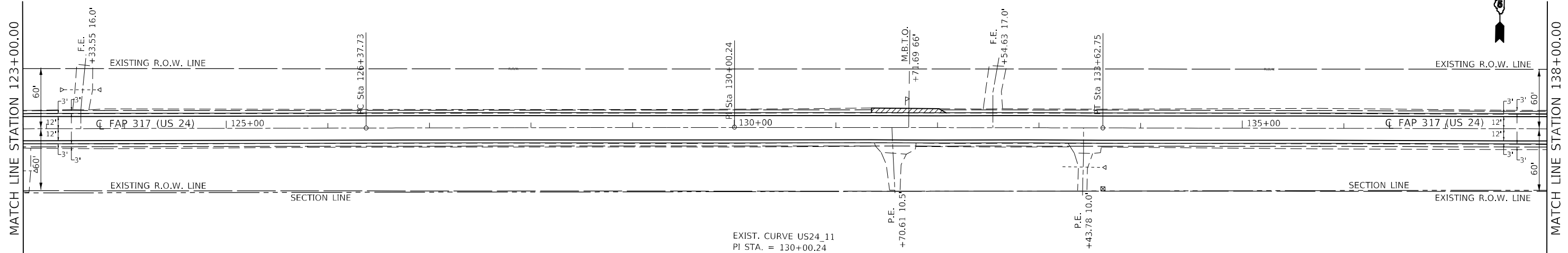
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SEC. 5, T26N, R5E, 2ND P.M.
MCLEAN COUNTY



SEC. 8, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

SEC. 5, T26N, R5E, 2ND P.M.
MCLEAN COUNTY



EXIST. CURVE US24 11
 PI STA. = 130+00.24
 $\Delta = 0^\circ 14' 47"$ (RT)
 $D = 0^\circ 02' 02"$
 $R = 168,664.33'$
 $T = 362.51'$
 $L = 725.02'$
 $E = 0.39'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 P.C. STA. = 126+37.73
 P.T. STA. = 133+62.75

 INCIDENTAL HMA SURFACING

MODEL: \\MODEL\MNF5
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USER NAME = Jason.Goble	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

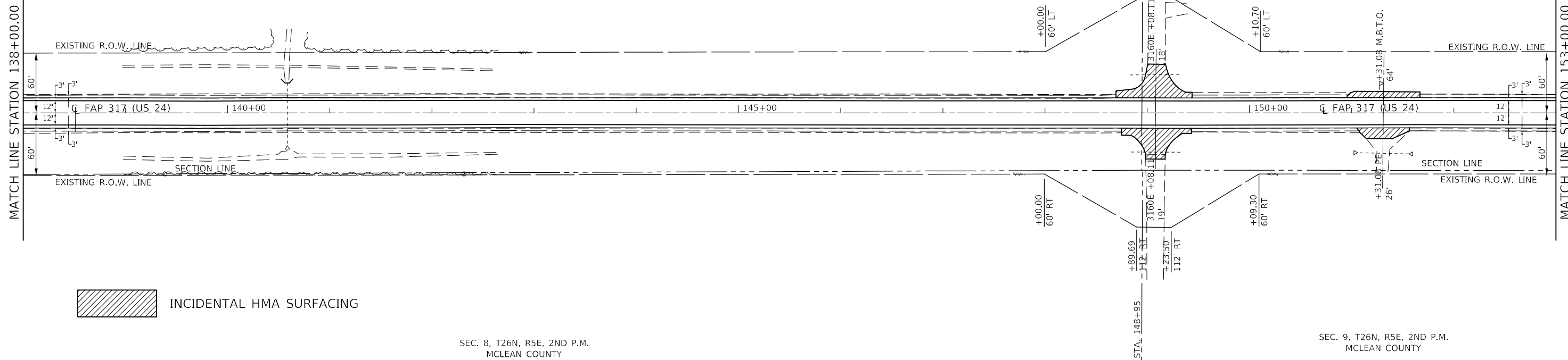
SCALE: 1" = 50'		SHEET 6 OF 14 SHEETS		STA. 108+00.00 TO STA. 138+00.00	
		PLAN SHEETS			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	20
CONTRACT NO. 70A88				

(27)RS-3,(28)RS-56,(27,28)BR-1

SEC. 5, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

SEC. 4, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

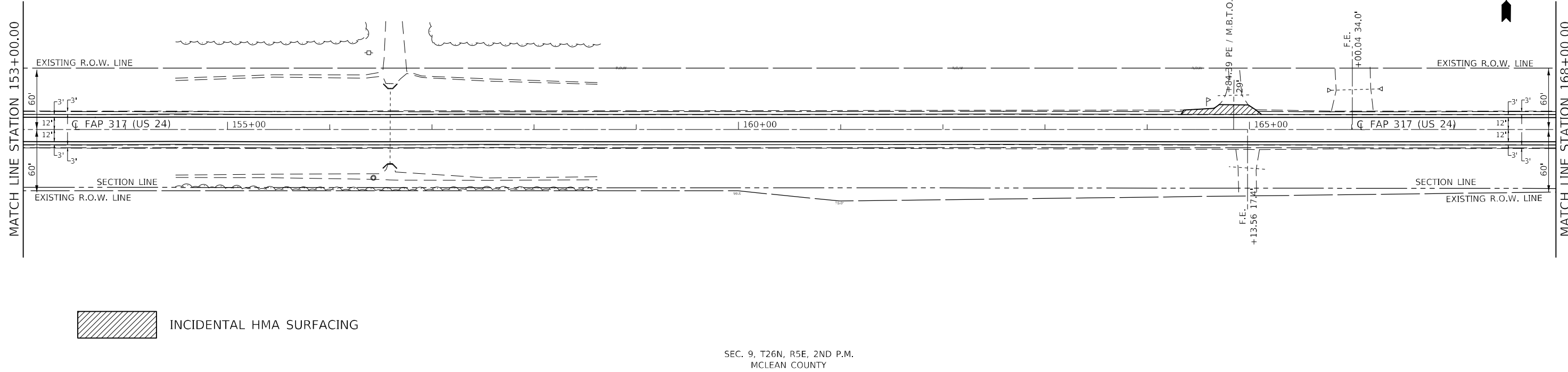


INCIDENTAL HMA SURFACING

SEC. 8, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

SEC. 9, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

SEC. 4, T26N, R5E, 2ND P.M.
MCLEAN COUNTY



INCIDENTAL HMA SURFACING

SEC. 9, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

USER NAME = Jason,Goble	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

SCALE: 1" = 50' SHEET 7 OF 14 SHEETS STA. 138+00.00 TO STA. 168+00.00

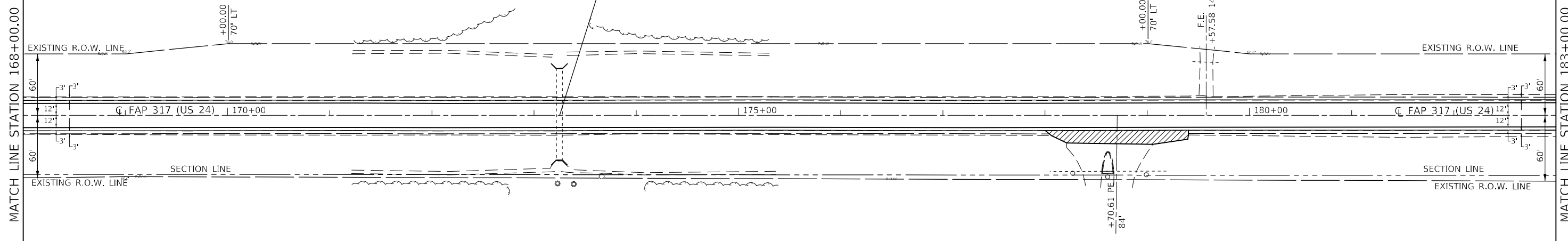
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	21
CONTRACT NO. 70A88				

(27)RS-3,(28)RS-56,(27,28)BR-1

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SEC. 4, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

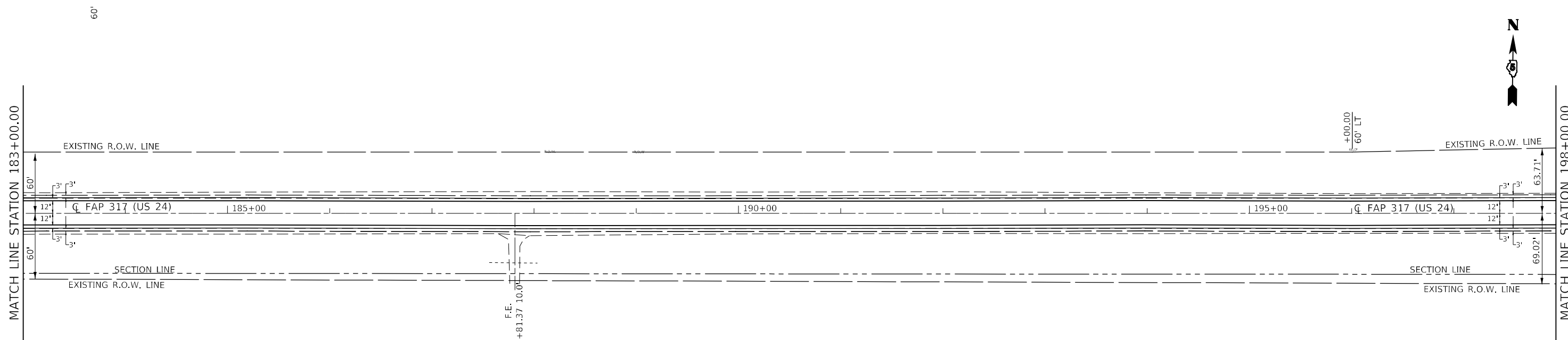
STR. 057-8092
A.R. STA. 173+27.00
SINGLE BARREL 6.0'x4.0' RCBC
NO SKEW



 INCIDENTAL HMA SURFACING

SEC. 9, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

SEC. 4, T26N, R5E, 2ND P.M.
MCLEAN COUNTY



SEC. 9, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

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USER NAME = Jason,Goble	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 50' SHEET 8 OF 14 SHEETS STA. 168+00.00 TO STA. 198+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	22
CONTRACT NO. 70A88				
ILLINOIS FED. AID PROJECT				

(27)RS-3,(28)RS-5&(27,28)BR-1

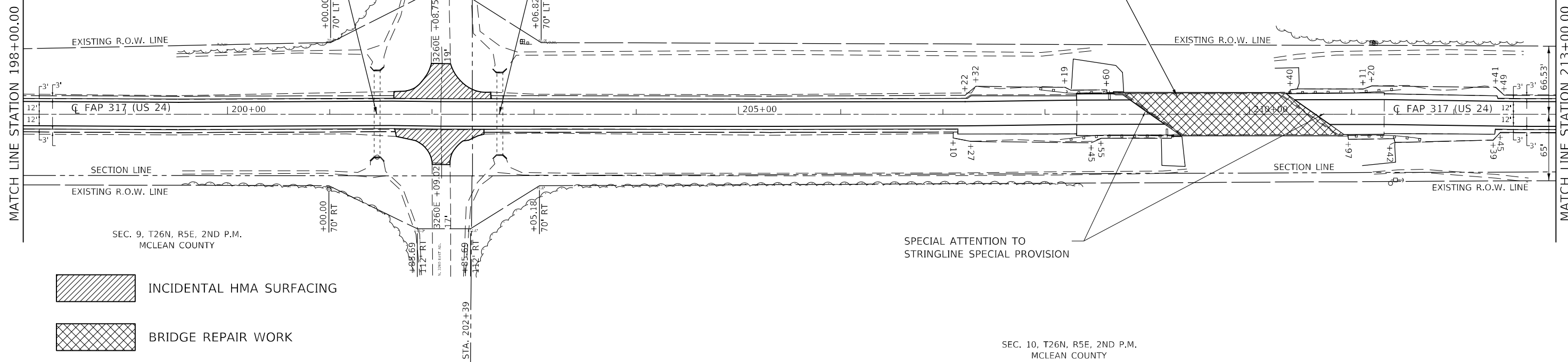
SEC. 4, T26N, R5E, 2ND P.M.
MCLEAN COUNTY


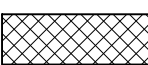
SEC. 3, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

STR. 057-8093
A.R. STA. 201+50.00
SINGLE BARREL 6.0'x3.0' RCBC
WITH NO SKEW

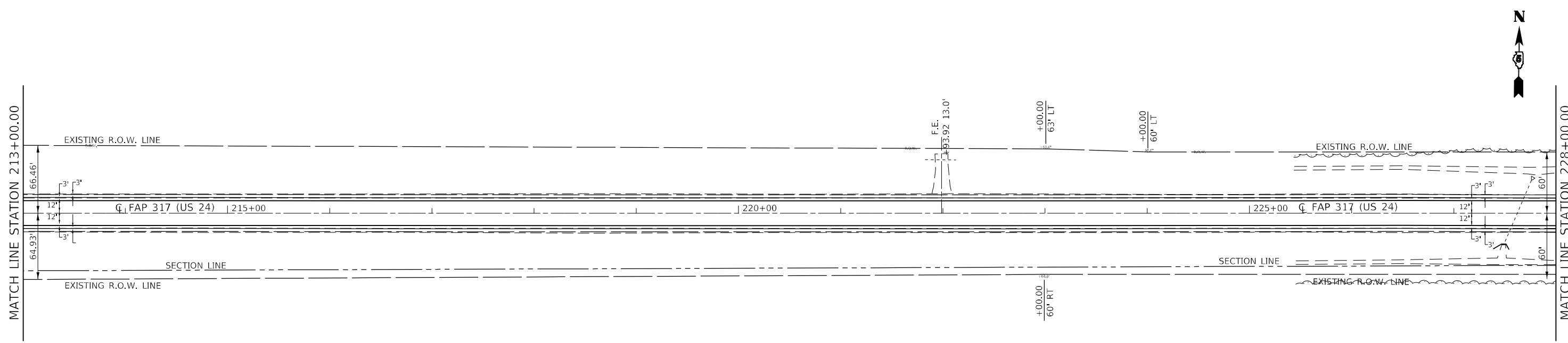
STR. 057-8094
A.R. STA. 202+70.00
SINGLE BARREL 6.0'x3.0' RCBC
WITH NO SKEW

S.N. 057-0230
SEE SHEET NOS. 29 - 34
FOR BRIDGE REPAIR WORK



 INCIDENTAL HMA SURFACING
 BRIDGE REPAIR WORK

SEC. 3, T26N, R5E, 2ND P.M.
MCLEAN COUNTY



SEC. 10, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

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USER NAME = Jason.Goble	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

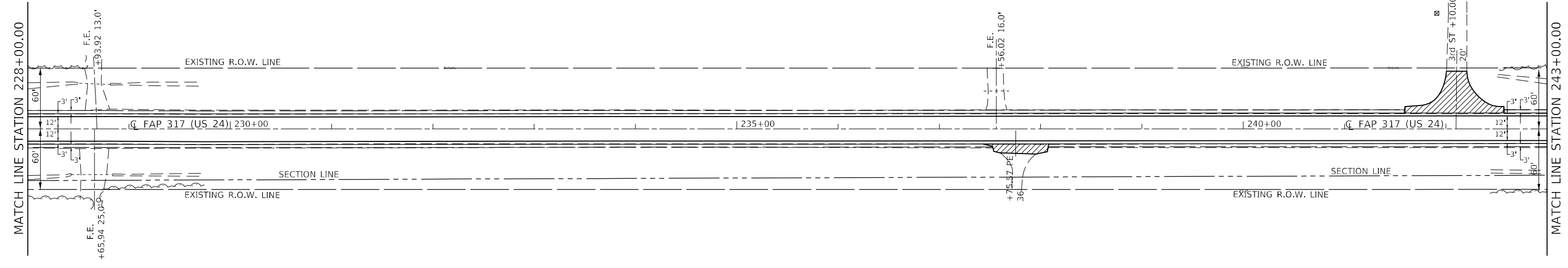
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS			
SCALE: 1" = 50'	SHEET 9	OF 14 SHEETS	STA. 198+00.00 TO STA. 228+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	23
CONTRACT NO. 70A88				

(77)RS-3,(28)RS-56,(27,28)BR-1 ILLINOIS FED. AID PROJECT

SEC. 3, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

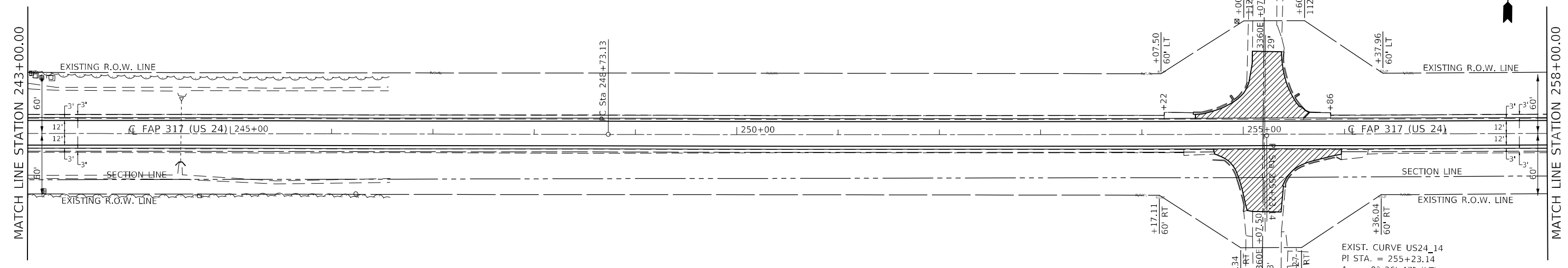


 INCIDENTAL HMA SURFACING

SEC. 10, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

SEC. 3, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

SEC. 2, T26N, R5E, 2ND P.M.
MCLEAN COUNTY



 INCIDENTAL HMA SURFACING

SEC. 10, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

EXIST. CURVE US24_14
 PI STA. = 255+23.14
 Δ = 0° 26' 47" (LT)
 D = 0° 02' 04"
 R = 166,873.99'
 T = 650.01'
 L = 1,300.01'
 E = 1.27'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 248+73.13
 P.T. STA. = 261+73.14

SEC. 11, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

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USER NAME = Jason,Goble	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

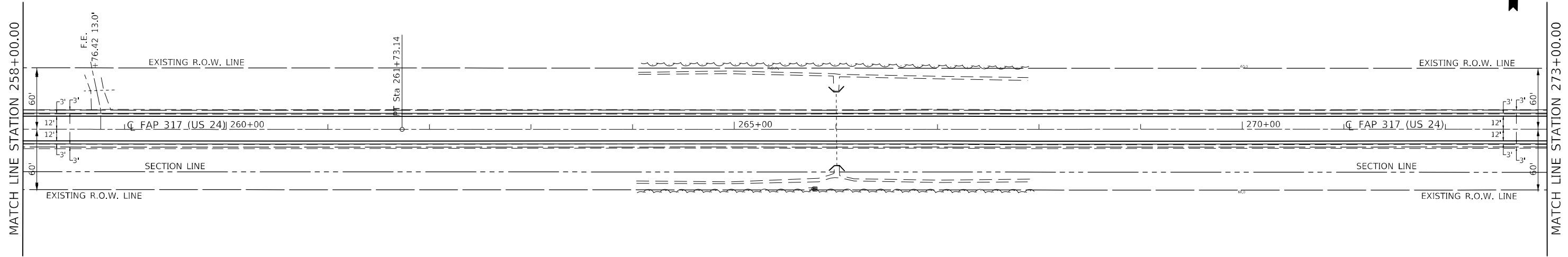
SCALE: 1" = 50' SHEET 10 OF 14 SHEETS STA. 228+00.00 TO STA. 258+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	24

CONTRACT NO. 70A88

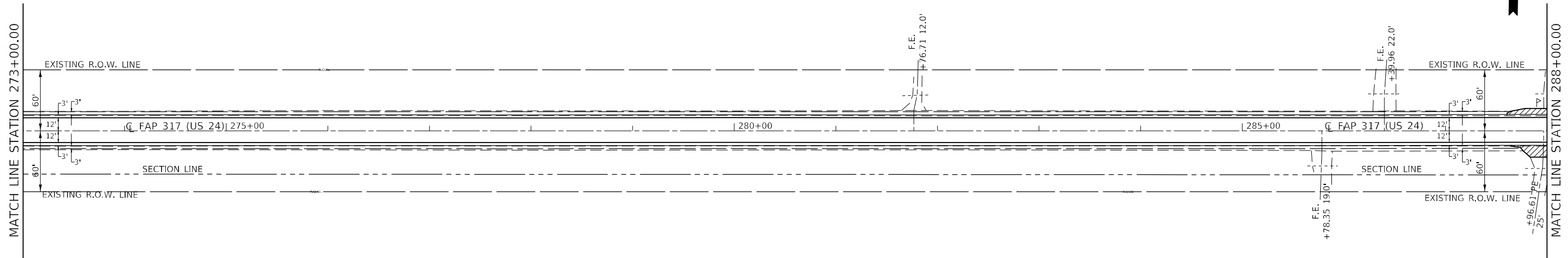
(27)RS-3,(28)RS-56,(27,28)BR-1

SEC. 2, T26N, R5E, 2ND P.M.
MCLEAN COUNTY



SEC. 11, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

SEC. 2, T26N, R5E, 2ND P.M.
MCLEAN COUNTY



INCIDENTAL HMA SURFACING

SEC. 11, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

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USER NAME = Jason.Goble	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

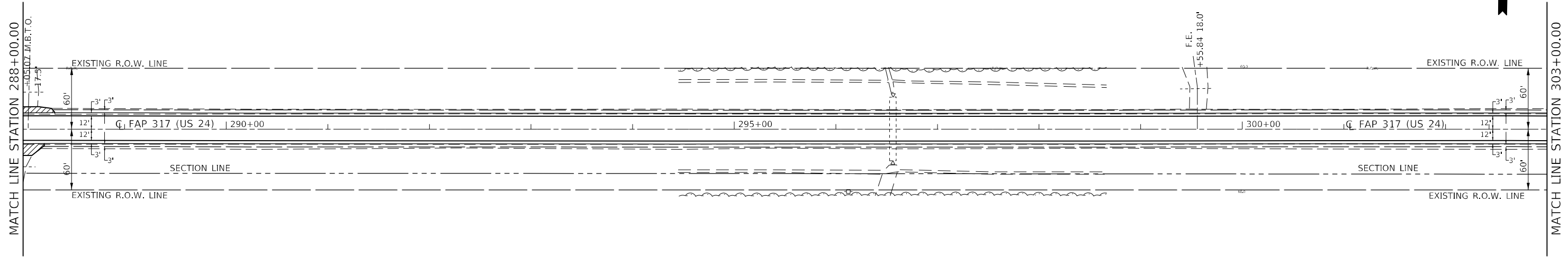
SCALE: 1" = 50' SHEET 11 OF 14 SHEETS STA. 258+00.00 TO STA. 288+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	25
CONTRACT NO. 70A88				

ILLINOIS FED. AID PROJECT

(27)RS-3,(28)RS-56,(27,28)BR-1

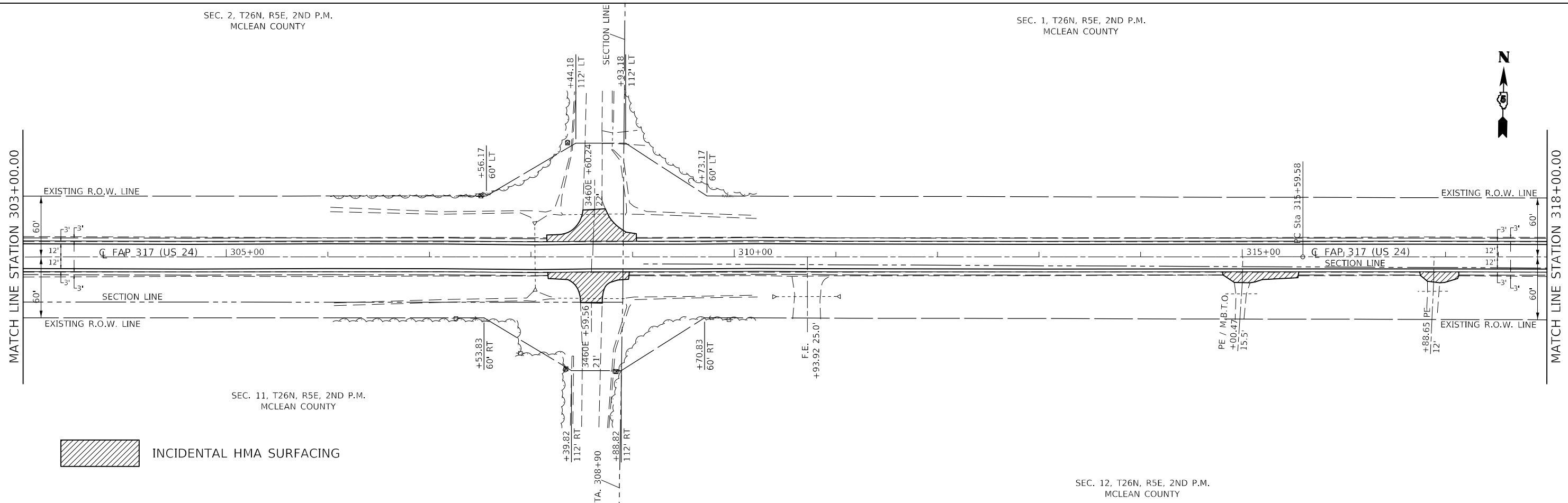
SEC. 2, T26N, R5E, 2ND P.M.
MCLEAN COUNTY



SEC. 11, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

SEC. 2, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

SEC. 1, T26N, R5E, 2ND P.M.
MCLEAN COUNTY



SEC. 11, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

SEC. 12, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

INCIDENTAL HMA SURFACING

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USER NAME = Jason.Goble	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

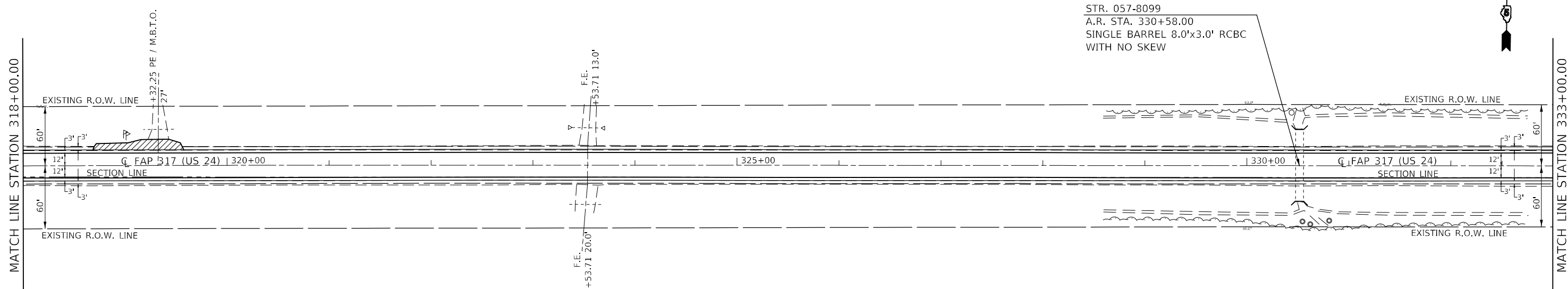
SCALE: 1" = 50' SHEET 12 OF 14 SHEETS STA. 288+00.00 TO STA. 318+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	26
CONTRACT NO. 70A88				

(27)RS-3,(28)RS-56,(27,28)BR-1

SEC. 1, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

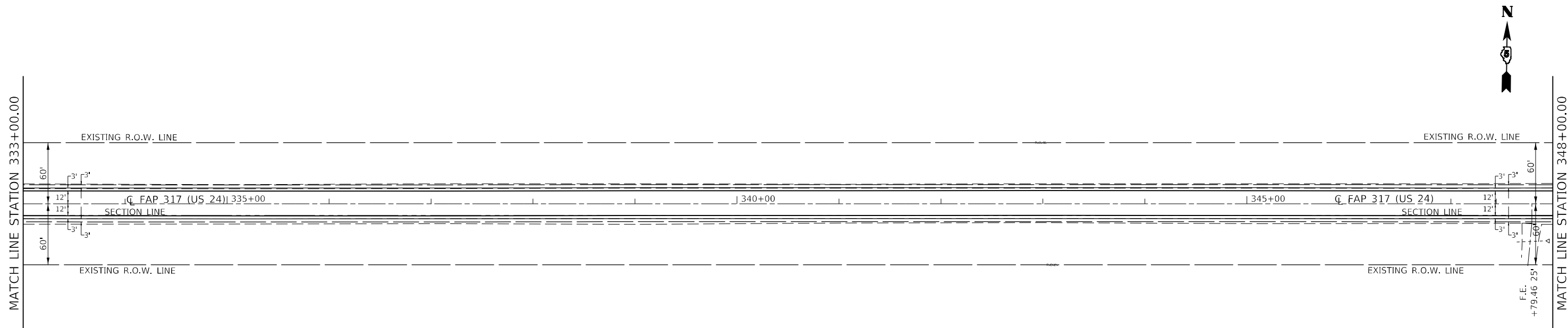
STR. 057-8099
A.R. STA. 330+58.00
SINGLE BARREL 8.0'x3.0' RCBC
WITH NO SKEW



 INCIDENTAL HMA SURFACING

SEC. 12, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

SEC. 1, T26N, R5E, 2ND P.M.
MCLEAN COUNTY



SEC. 12, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

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USER NAME = Jason.Goble	DESIGNED -	REVISED -
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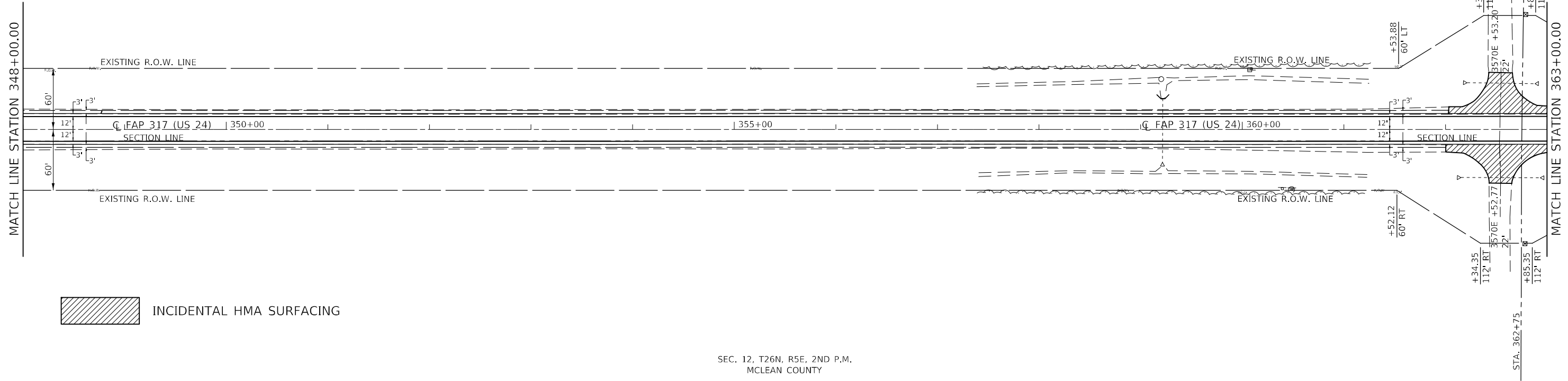
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS			
SCALE: 1" = 50'	SHEET 13	OF 14 SHEETS	STA. 318+00.00 TO STA. 348+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	27
CONTRACT NO. 70A88				
ILLINOIS FED. AID PROJECT				

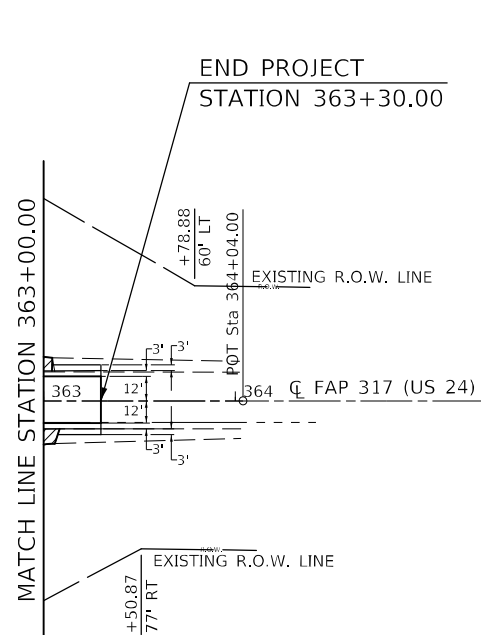
(27)RS-3,(28)RS-56,(27,28)BR-1

SEC. 1, T26N, R5E, 2ND P.M.
MCLEAN COUNTY



SEC. 12, T26N, R5E, 2ND P.M.
MCLEAN COUNTY

SEC. 6, T26N, R6E, 2ND P.M.
MCLEAN COUNTY



SEC. 7, T26N, R6E, 2ND P.M.
MCLEAN COUNTY

INCIDENTAL HMA SURFACING

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PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

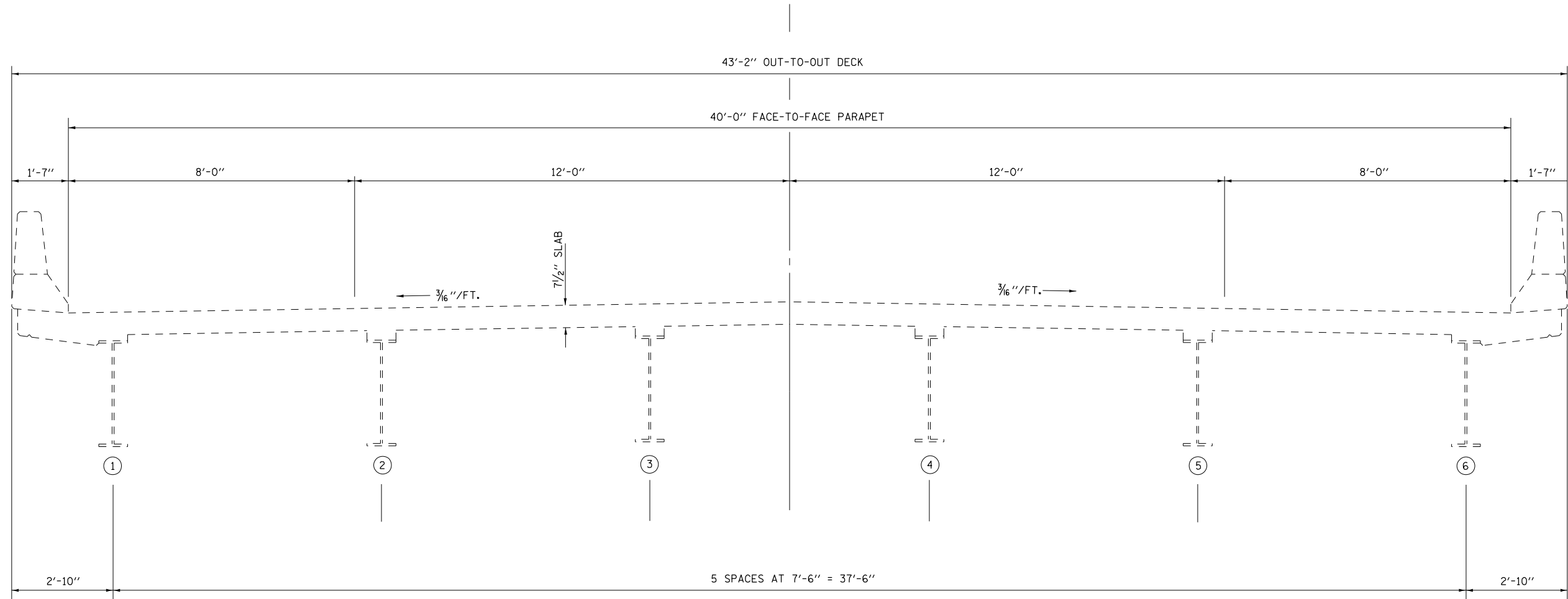
PLAN SHEETS

SCALE: 1" = 50' SHEET 14 OF 14 SHEETS STA. 348+00.00 TO STA. 364+04.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	28
CONTRACT NO. 70A88				
ILLINOIS FED. AID PROJECT				

(27)RS-3,(28)RS-56,(27,28)BR-1

**EXISTING TYPICAL CROSS-SECTION
(LOOKING EAST)**



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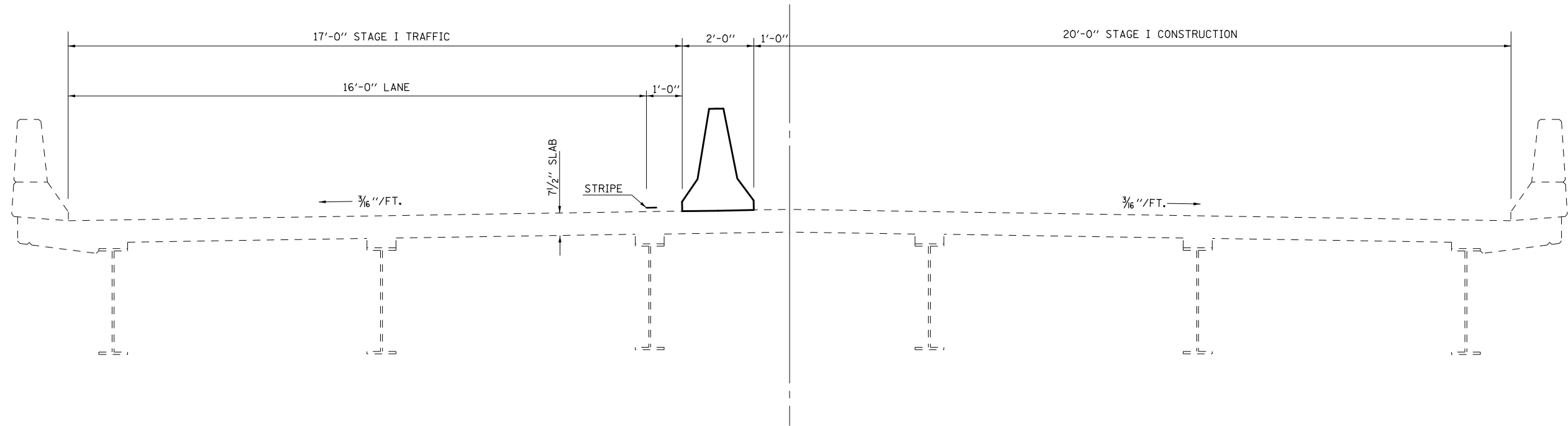
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

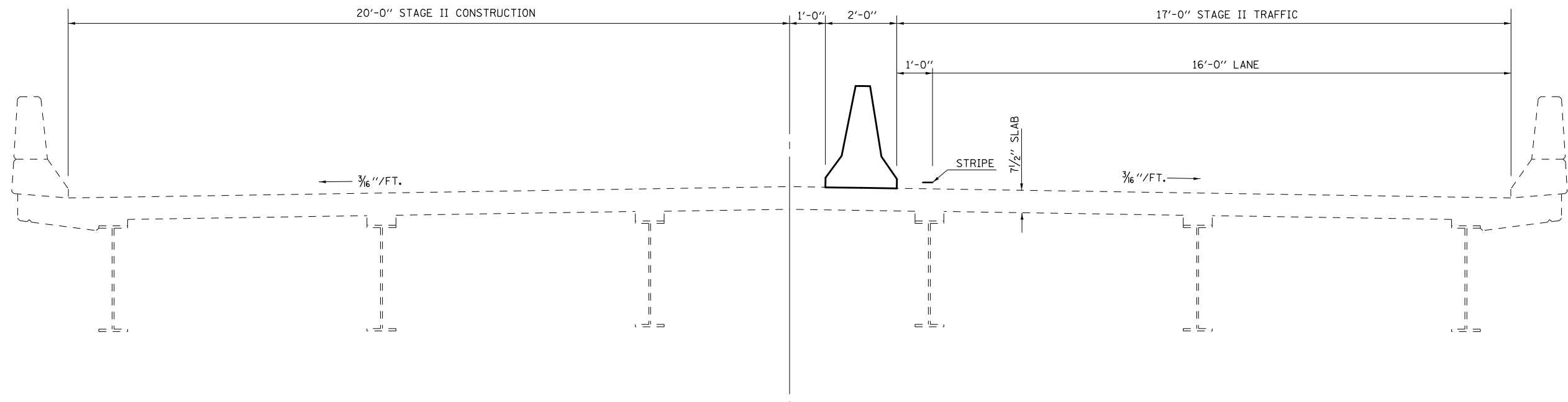
TYPICAL BRIDGE SECTION S.N. 057-0230			
SCALE: NONE	SHEET 1	OF 6 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	29
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70A88	

STAGE I CONSTRUCTION DETAIL (LOOKING EAST)



STAGE II CONSTRUCTION DETAIL (LOOKING EAST)



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USER NAME = Jason.Goble	DESIGNED - JMS	REVISED -
	DRAWN - JMS	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

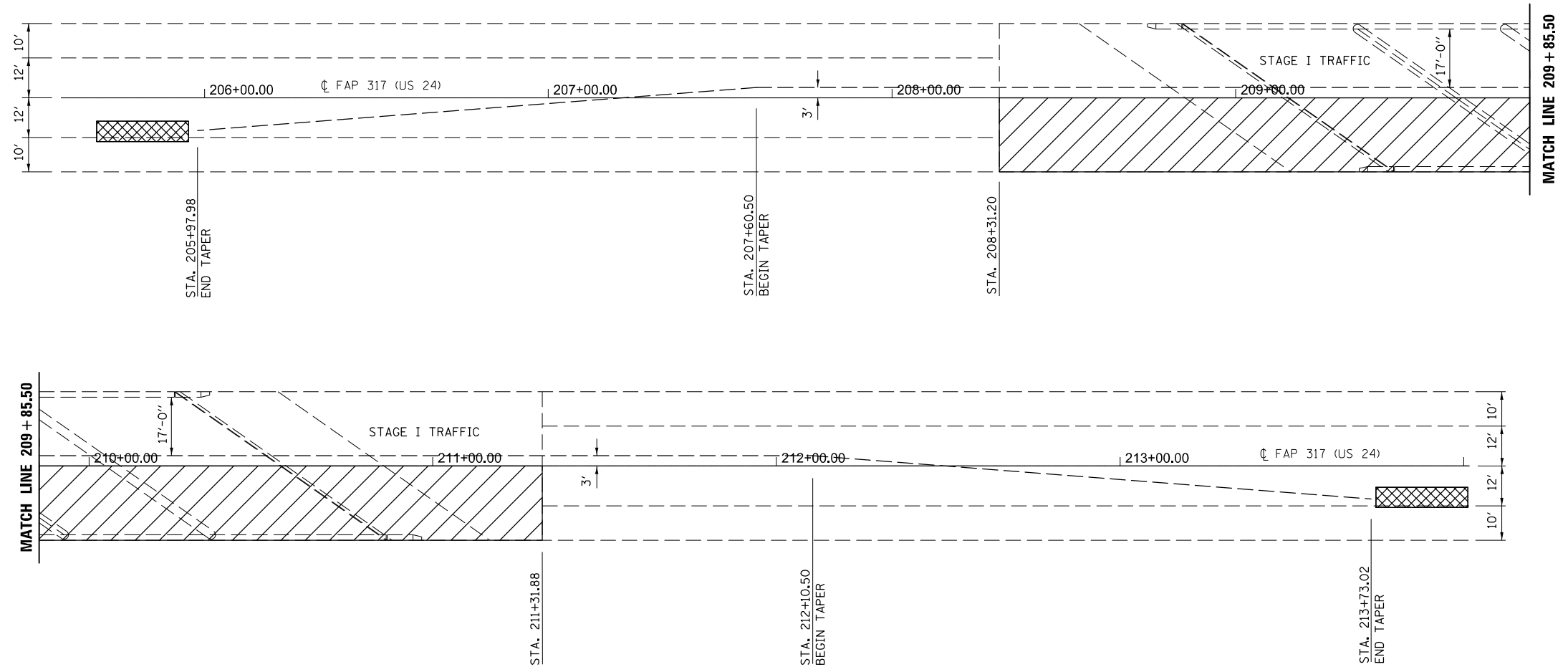
**STAGE CONSTRUCTION DETAILS
S.N. 057-0230**

SCALE: NONE SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	30
CONTRACT NO. 70A88				
ILLINOIS		FED. AID PROJECT		

(27)RS-3,(28)RS-56,(27,28)BR-1

STAGE I TEMPORARY CONCRETE BARRIER LAYOUT



PLAN NOTES:

ALL STAGING DETAILS SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701321 AND PAID FOR AT THE CONTRACT UNIT PRICE PER EACH LOCATION.

ALL WORK WITHOUT TEMPORARY CONCRETE BARRIER IN PLACE SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARDS 701201, 701301 AND 701311.

FOR ADDITIONAL DETAILS ASSOCIATED WITH TEMPORARY CONCRETE BARRIER, SEE HIGHWAY STANDARD 704001.

EXISTING OR TEMPORARY PAVEMENT MARKINGS SHALL BE ON BOTH SIDES OF THE OPEN LANE FROM STOP BAR TO STOP BAR. PAVEMENT MARKINGS THAT CONFLICT WITH STAGED TRAFFIC MARKINGS SHALL BE REMOVED. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

REFLECTORS SHALL BE ATTACHED TO GUARDRAIL AND BARRIER WALL AT 25 FOOT CENTERS. COST INCLUDED WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

70400100 TEMPORARY CONCRETE BARRIER

	STA	TO	STA	LENGTH
RT	205+97.89		207+60.50	162.5
RT	207+60.50		212+10.50	450.0
RT	212+10.50		213+73.02	162.5
TOTAL =				775.0

- TEMPORARY CONCRETE BARRIER
- PROPOSED WORK AREA
- IMPACT ATTENUATOR

BILL OF MATERIALS

ITEM	UNIT	TOTAL
TEMPORARY CONCRETE BARRIER	FOOT	775.0
IMPACT ATTENUATOR TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3	EACH	2.0

MODEL: I:\MODEL\MMF\... FILE NAME: ...

USER NAME = Jason,Goble	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

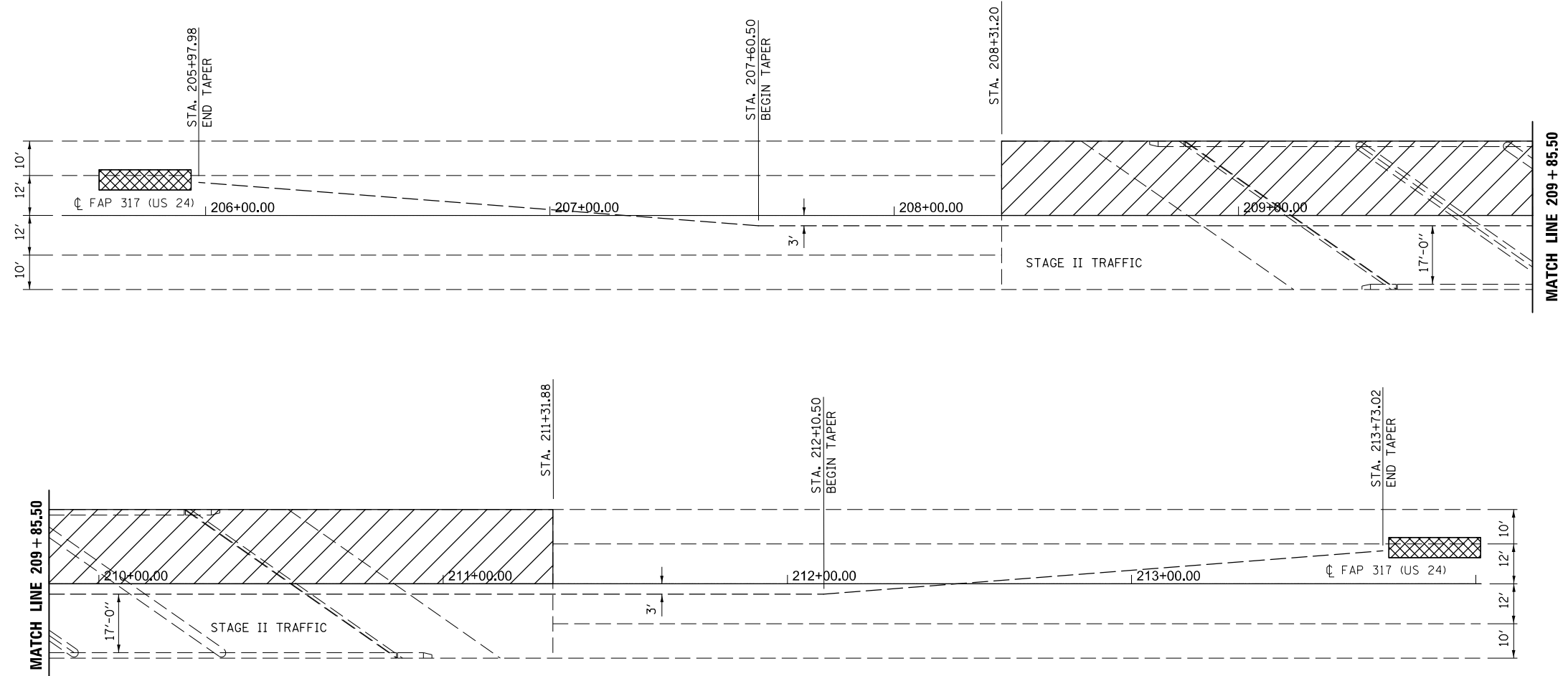
**TEMPORARY CONCRETE BARRIER
S.N. 057-0230**

SCALE: NONE SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE. 317	SECTION *	COUNTY MCLEAN	TOTAL SHEETS 56	SHEET NO. 31
			CONTRACT NO. 70A88	
		ILLINOIS FED. AID PROJECT		

(27)RS-3,(28)RS-56,(27,28)BR-1

STAGE II TEMPORARY CONCRETE BARRIER LAYOUT



- TEMPORARY CONCRETE BARRIER
- PROPOSED WORK AREA
- IMPACT ATTENUATOR

70400200 RELOCATE TEMPORARY CONCRETE BARRIER

	STA	TO	STA	LENGTH
LT	205+97.89		207+60.50	162.5
LT	207+60.50		212+10.50	450.0
LT	212+10.50		213+73.02	162.5
TOTAL =				775.0

PLAN NOTES:

ALL STAGING DETAILS SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701321 AND PAID FOR AT THE CONTRACT UNIT PRICE PER EACH LOCATION.

ALL WORK WITHOUT TEMPORARY CONCRETE BARRIER IN PLACE SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARDS 701201, 701301 AND 701311.

FOR ADDITIONAL DETAILS ASSOCIATED WITH TEMPORARY CONCRETE BARRIER, SEE HIGHWAY STANDARD 704001.

EXISTING OR TEMPORARY PAVEMENT MARKINGS SHALL BE ON BOTH SIDES OF THE OPEN LANE FROM STOP BAR TO STOP BAR. PAVEMENT MARKINGS THAT CONFLICT WITH STAGED TRAFFIC MARKINGS SHALL BE REMOVED. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

REFLECTORS SHALL BE ATTACHED TO GUARDRAIL AND BARRIER WALL AT 25 FOOT CENTERS. COST INCLUDED WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

BILL OF MATERIALS

ITEM	UNIT	TOTAL
REL TEMPORARY CONCRETE BARRIER	FOOT	775.0
IMPACT ATTENUATOR RELOCATE (NON-REDIRECTIVE) TEST LEVEL 3	EACH	2.0

MODEL: I:\MODEL\MMF5... FILE NAME: ... PROJECT: ...

USER NAME = Jason.Goble	DESIGNED - JMS	REVISED -
	DRAWN - JMS	REVISED -
PLOT SCALE = 40,0000 */ in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE - 11022022	REVISED -

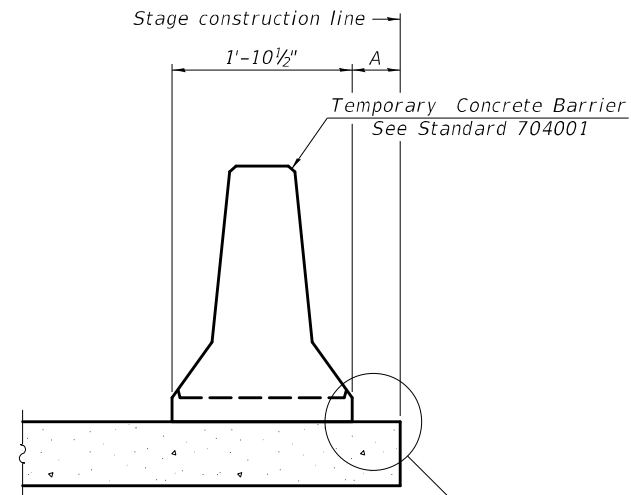
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CONCRETE BARRIER LAYOUT
S.N 057-0230**

SCALE: 1" = 20' SHEET 4 OF 6 SHEETS STA. TO STA.

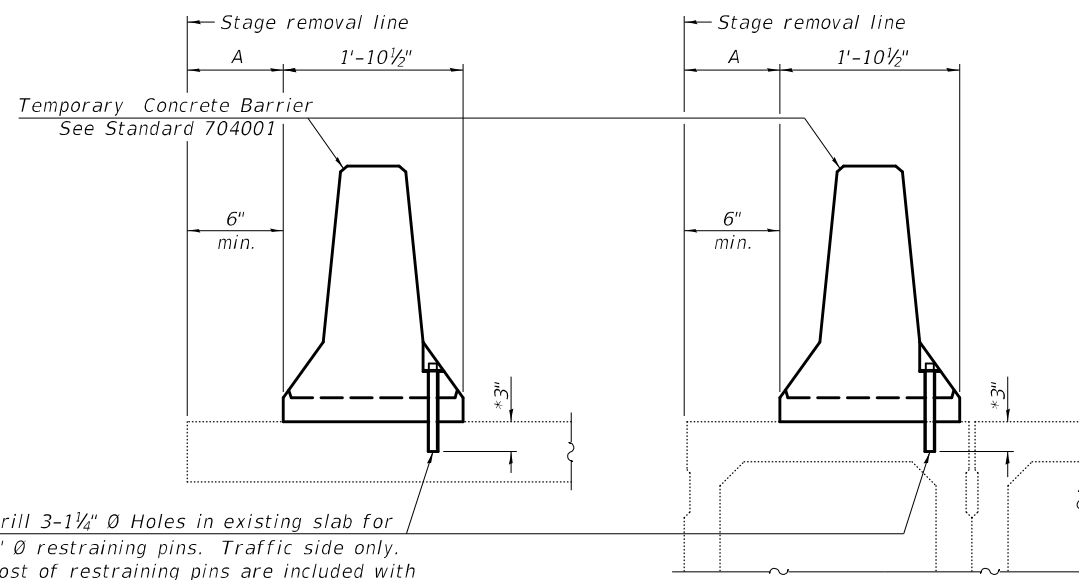
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	32
CONTRACT NO. 70A88				
ILLINOIS FED. AID PROJECT				

(27)RS-3,(28)RS-56,(27,28)BR-1



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM

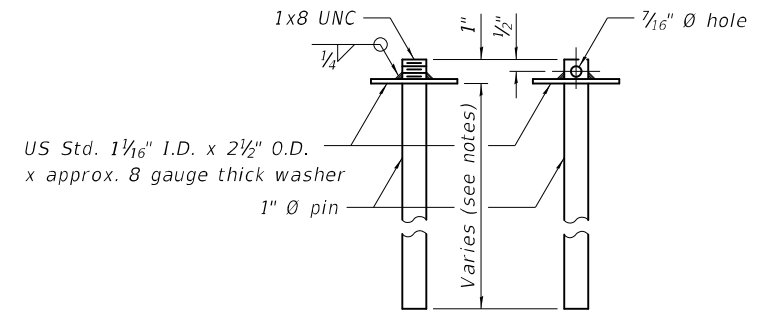


Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

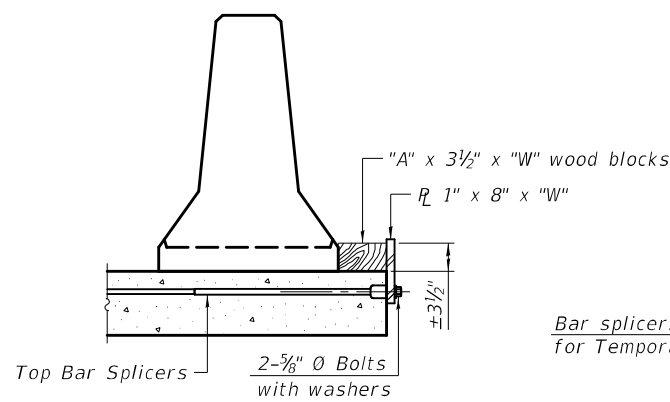
EXISTING DECK BEAM

SECTIONS THRU SLAB OR DECK BEAM

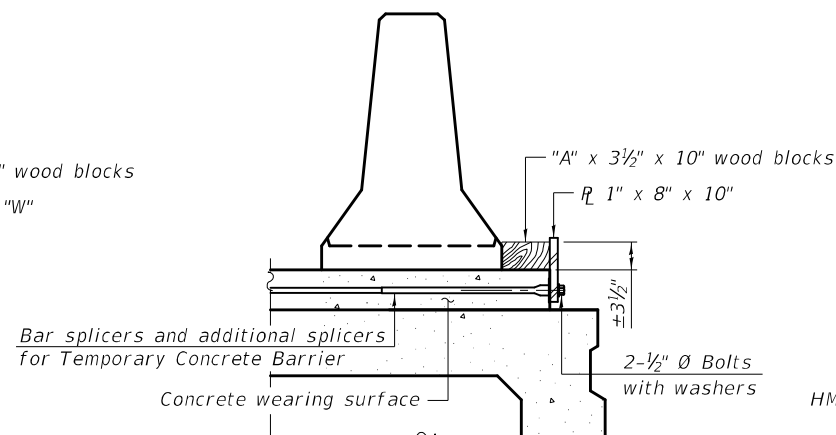


RESTRAINING PIN

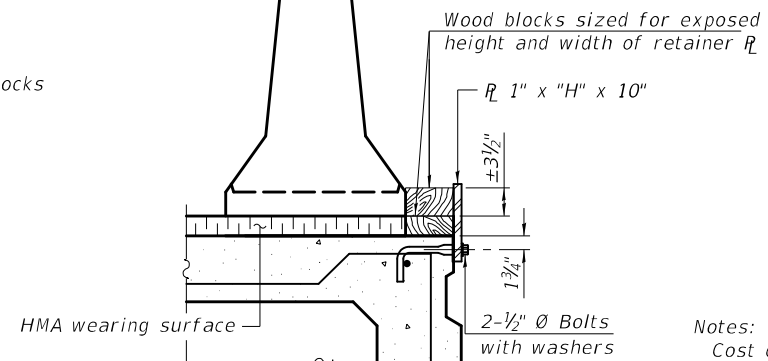
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.



DETAIL I

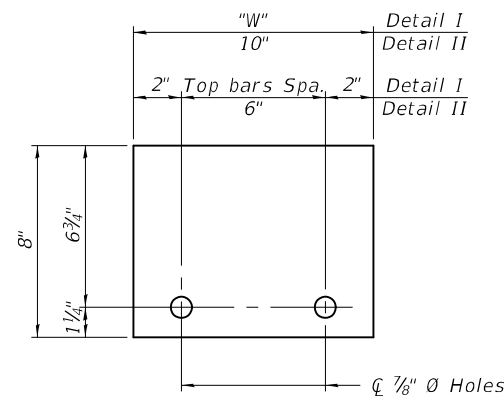


DETAIL II

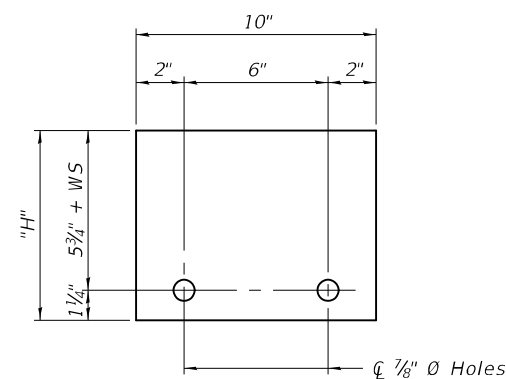


DETAIL III

BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER R 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER R 1" x "H" x 10"
(Detail III)

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate C of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.
 Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.
 Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

RAILING CRITERIA

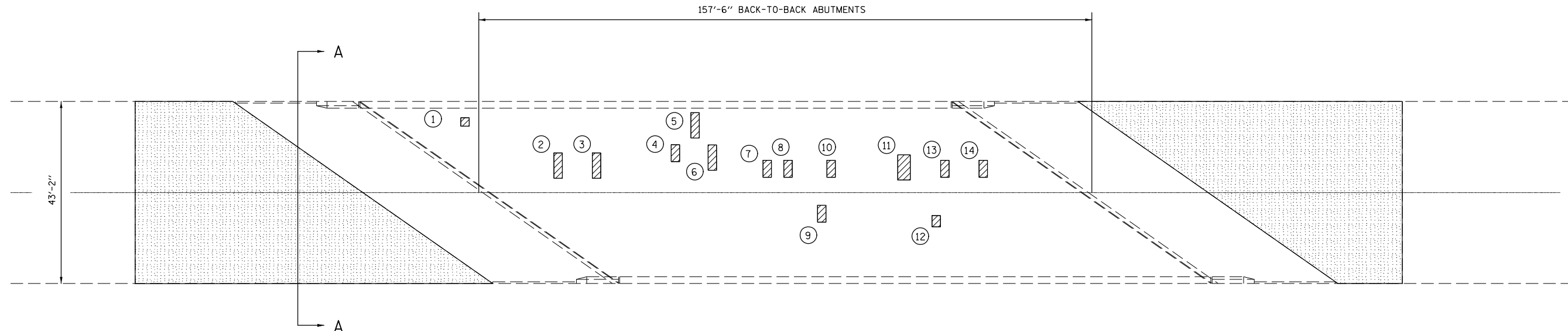
NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27 10-12-2021

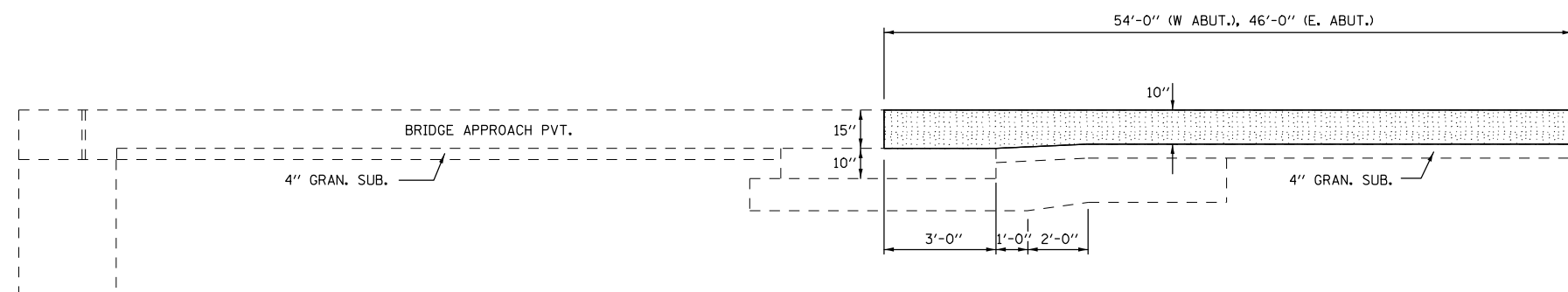
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER
S.N. 057-2030

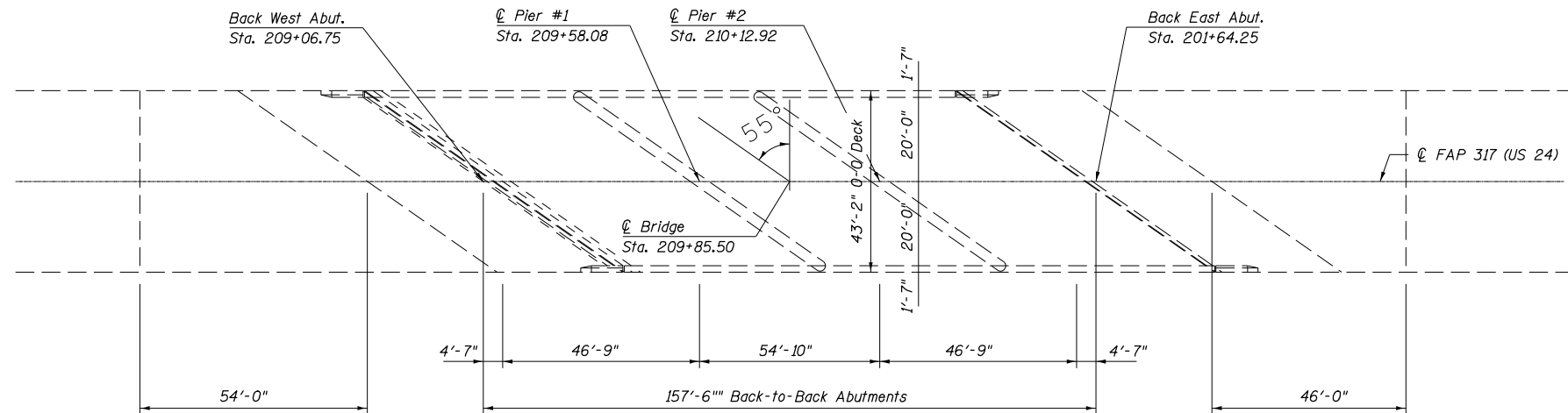
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	33
CONTRACT NO. 70A88				
SCALE: NONE		SHEET 5 OF 6 SHEETS		STA. TO STA.
ILLINOIS FED. AID PROJECT				



SUPERSTRUCTURE REMOVAL PLAN PARTIAL DEPTH/CONNECTOR PAVEMENT



SECTION A-A



PLAN

PATCH NO.	SIZE		DECK SLAB REPAIR (PARTIAL DEPTH) SQ YD
	LENGTH (FT)	WIDTH (FT)	
1	2	2	0.4
2	2	6	1.3
3	2	6	1.3
4	2	4	0.9
5	2	6	1.3
6	2	6	1.3
7	2	4	0.9
8	2	4	0.9
9	2	4	0.9
10	2	4	0.9
11	3	6	2.0
12	2	4	0.9
13	2	4	0.9
14	3	4	1.3

TOTAL = 15.3

USE = 16.0

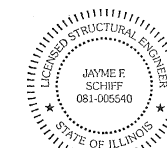
NOTE:

AREA OF DECK SLAB REPAIRS HAVE BEEN ESTIMATED FROM SEPTEMBER, 2022 DECK SURVEY. THE ACTUAL LOCATIONS SHALL BE DETERMINED BY THE ENGINEER. THE ENGINEER SHALL SHOW THE ACTUAL LOCATIONS OF THE DECK SLAB REPAIRS ON THE DECK PATCHING DETAILS.

- PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
- PAVEMENT REMOVAL
- DECK SLAB REPAIR (PARTIAL DEPTH)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	480.0
PAVEMENT REMOVAL	SQ YD	480.0
DECK SLAB REPAIR (PARTIAL DEPTH)	SQ YD	16.0



EXPIRES 11-30-2024

Jayme F. Schiff

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL REPAIR PLAN
S.N. 057-0230**

USER NAME = Jason.Goble	DESIGNED - JMS	REVISED -
DRAWN - JMS	REVISIONS -	
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PLOT DATE = 3/22/2023	DATE - 11032022	REVISIONS -

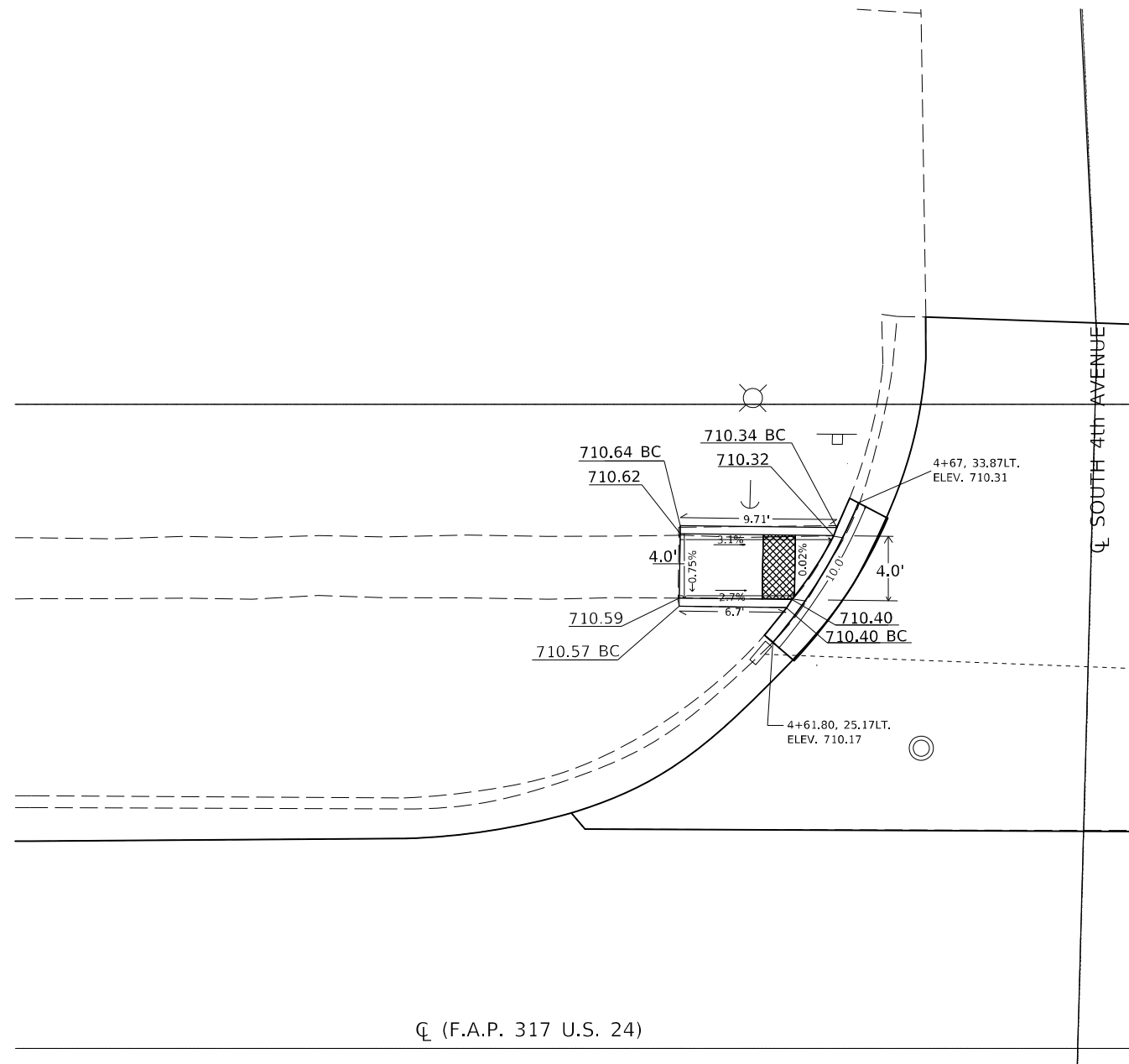
SCALE: 1" = 20' SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	34
			CONTRACT NO. 70A88	
ILLINOIS FED. AID PROJECT				

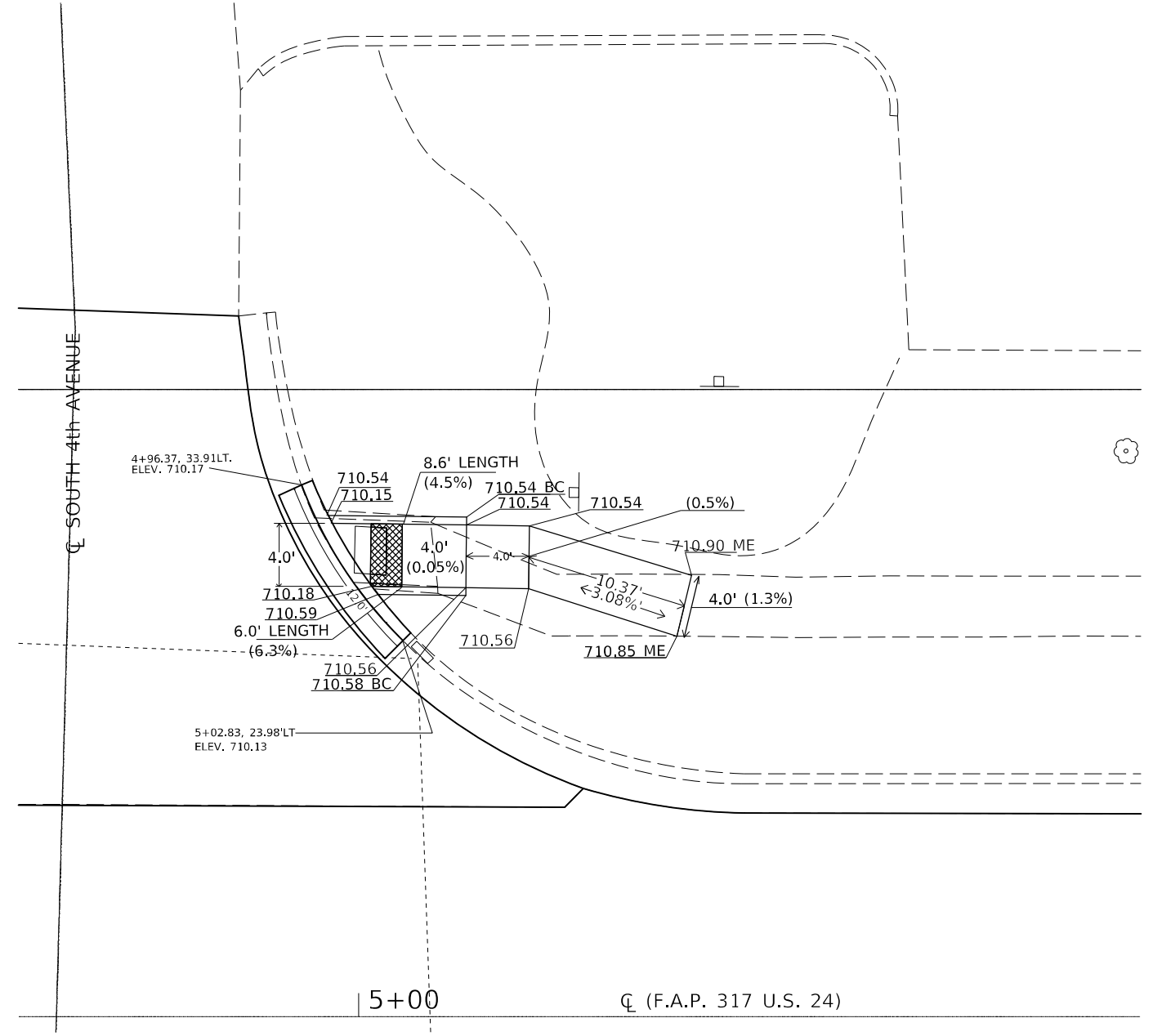
(27)RS-3,(28)RS-56,(27,28)BR-1

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LOCATION #1
N.W. QUADRANT
SOUTH 4th AVENUE



LOCATION #2
N.E. QUADRANT
SOUTH 4th AVENUE



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	DRAWN -	REVISED -
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PLOT DATE = 3/22/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

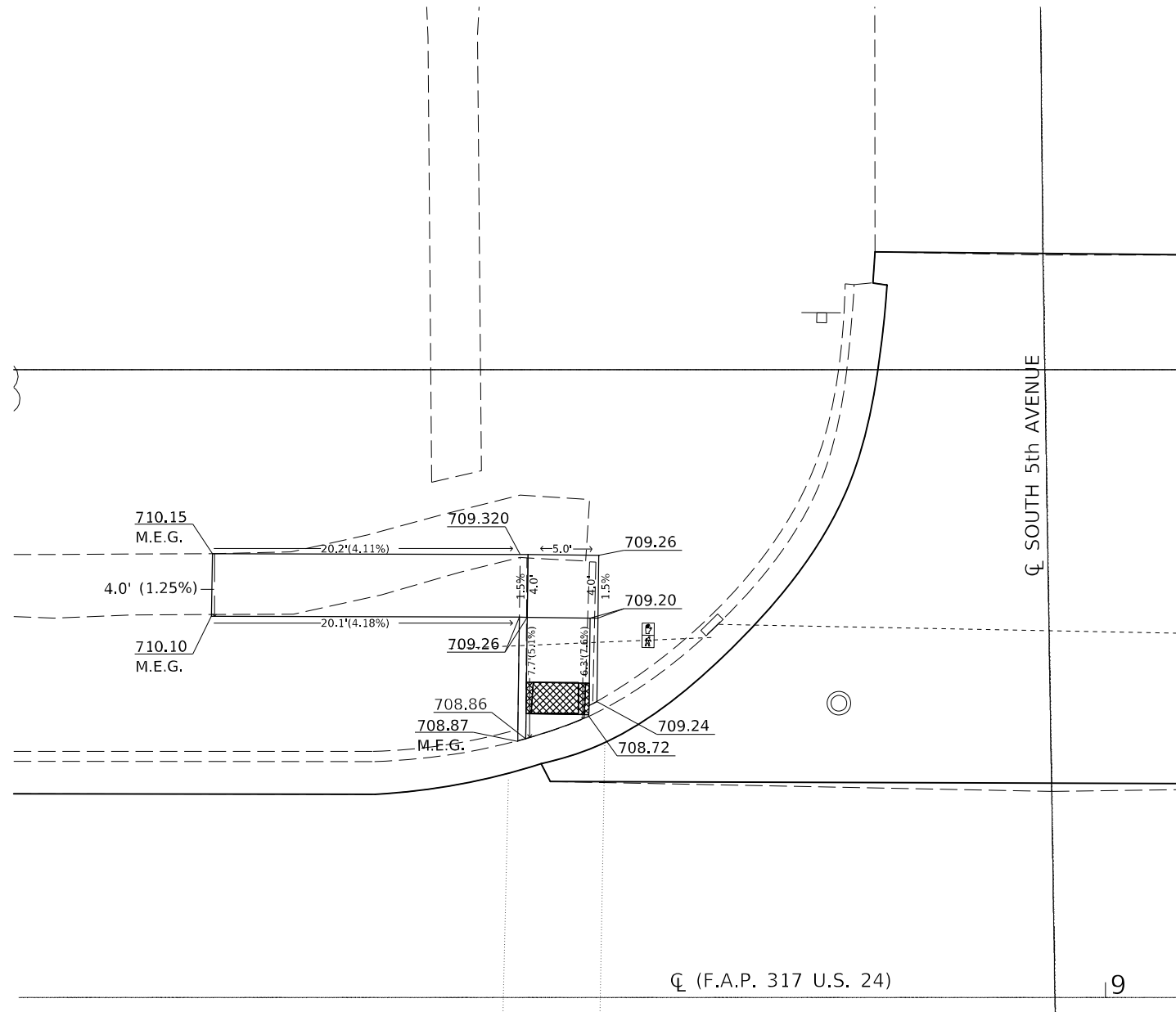
ADA RAMP DETAILS
SOUTH 4th AVENUE

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

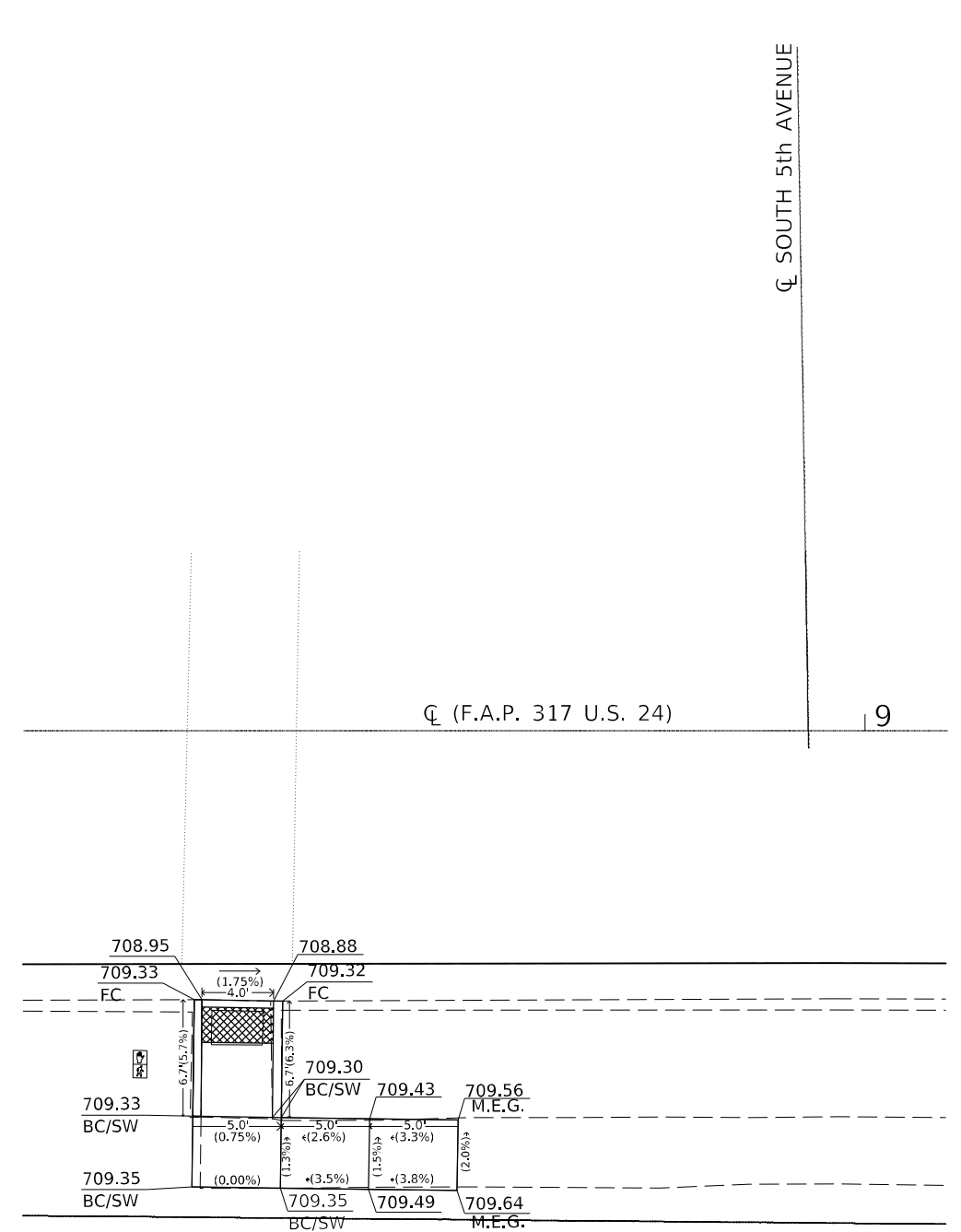
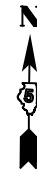
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	35
CONTRACT NO. 70A88				
ILLINOIS FED. AID PROJECT				

(27)RS-3,(28)RS-56,(27,28)BR-1

LOCATION #3
N.W. QUADRANT
SOUTH 5th AVENUE



LOCATION #4
S.W. QUADRANT
SOUTH 5th AVENUE



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DRAWN -	REVISOR -	
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PLOT DATE = 3/22/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
SOUTH 5th AVENUE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	36
CONTRACT NO. 70A88				

(27)RS-3,(28)RS-56,(27,28)BR-1

70A88 WIDTH RESTRICTION SIGNING PLAN



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PLOT DATE = 3/22/2023	DATE -	REVISED -

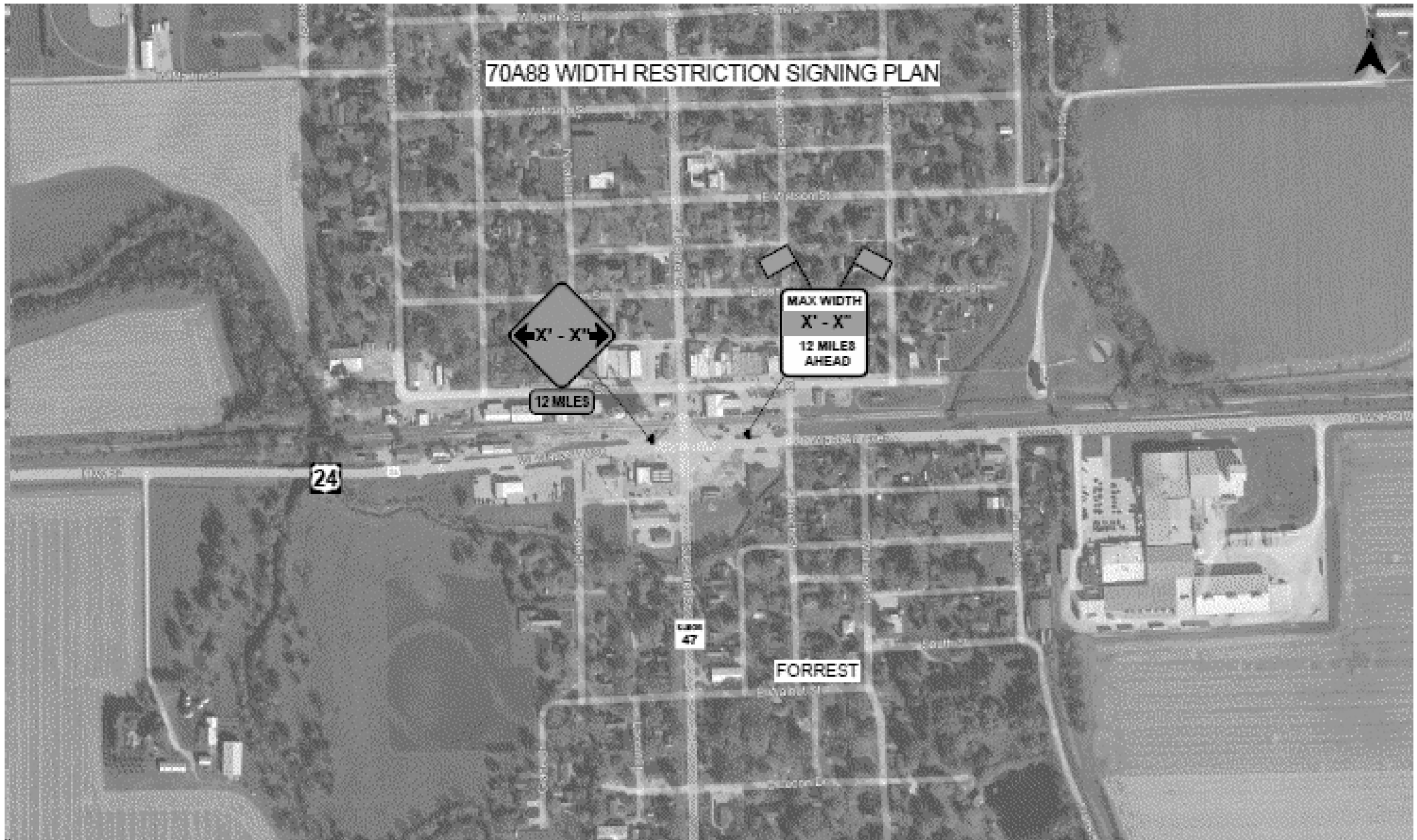
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING PLAN

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	37
CONTRACT NO. 70A88				
ILLINOIS FED. AID PROJECT				

(27)RS-3,(28)RS-56,(27,28)BR-1



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	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	38
CONTRACT NO. 70A88				
ILLINOIS		FED. AID PROJECT		



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	DRAWN -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING PLAN

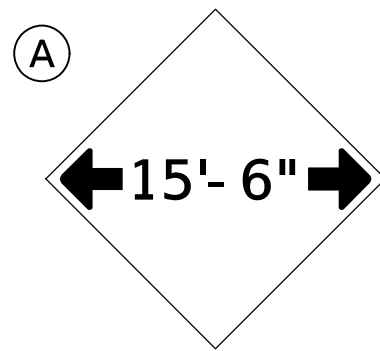
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	39
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

DESIGNER NOTE: PROVIDE MAP WITH SIGN LOCATIONS (A, B, ETC.) AND COORDINATE WITH TRAFFIC OPERATIONS ENGINEER.

INCLUDE DISTRICT SPECIAL PROVISION "WIDTH RESTRICTION SIGNING"

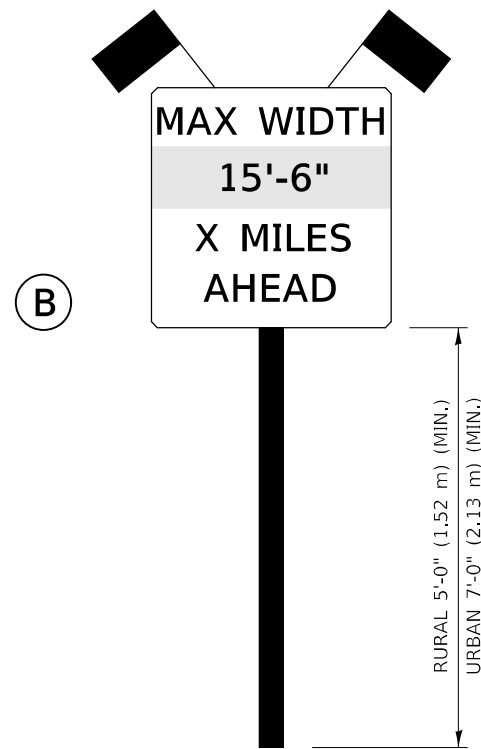
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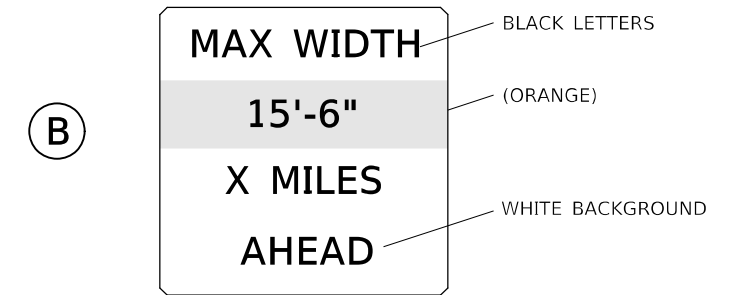
W12-2(O)-48"x48"(1200x1200)

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

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



SIGN PANEL, TYPE II



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

GENERAL NOTES

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

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

DISTRICT 5 DETAIL NO. X7200201

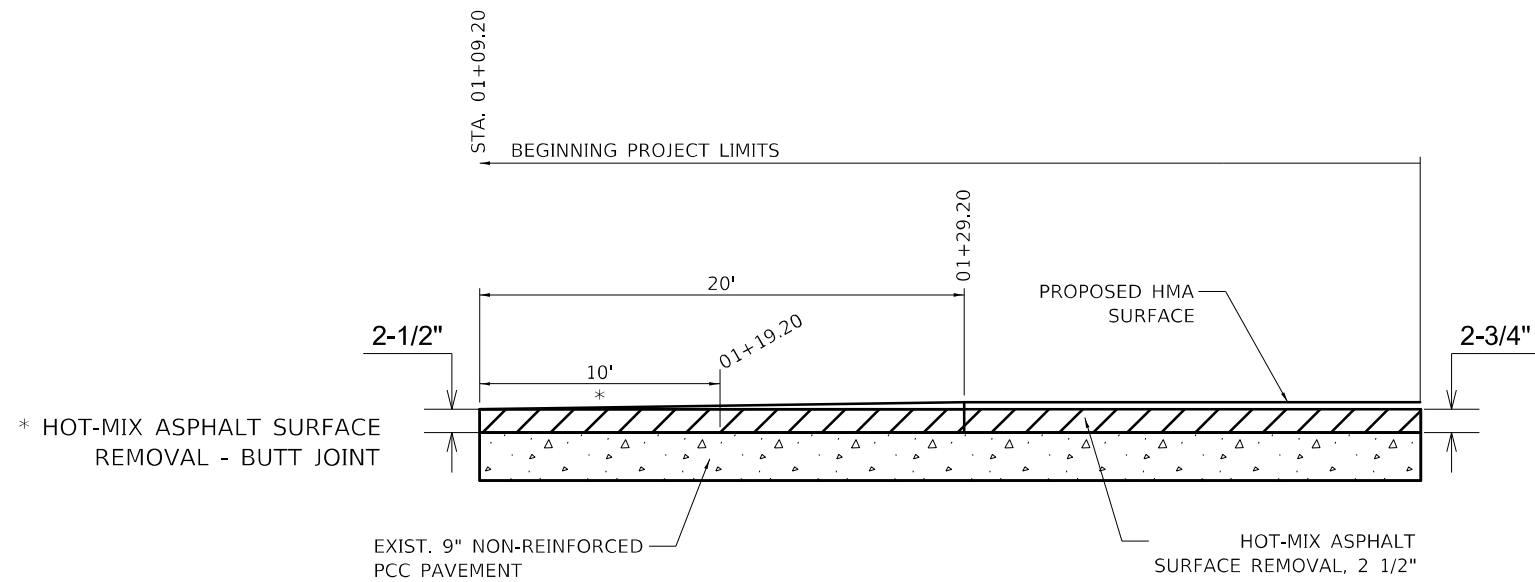
USER NAME = Jason.Goble	DESIGNED -	REVISED - 05/08
	DRAWN -	REVISED - 10/08 KJT
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PLOT DATE = 3/22/2023	DATE -	REVISED - 03/11 KJT

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WIDTH RESTRICTION SIGNING

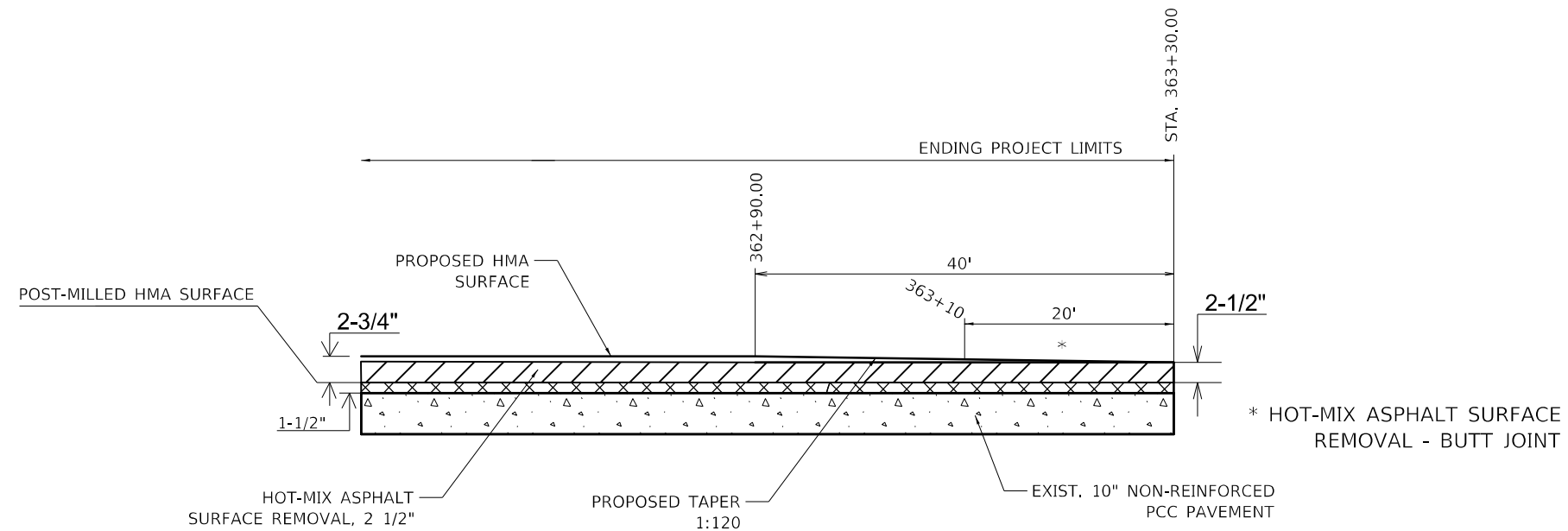
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	40
			CONTRACT NO. 70A88	
		ILLINOIS	FED. AID PROJECT	



RESURFACING TRANSITION DETAIL

STA. 01+09.20 TO STA. 01+29.20



RESURFACING TRANSITION DETAIL

STA. 362+90.00 TO STA. 363+30.00

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USER NAME = Jason.Goble	DESIGNED - MWM	REVISED -
	DRAWN - MWM	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RESURFACING TRANSITION DETAILS

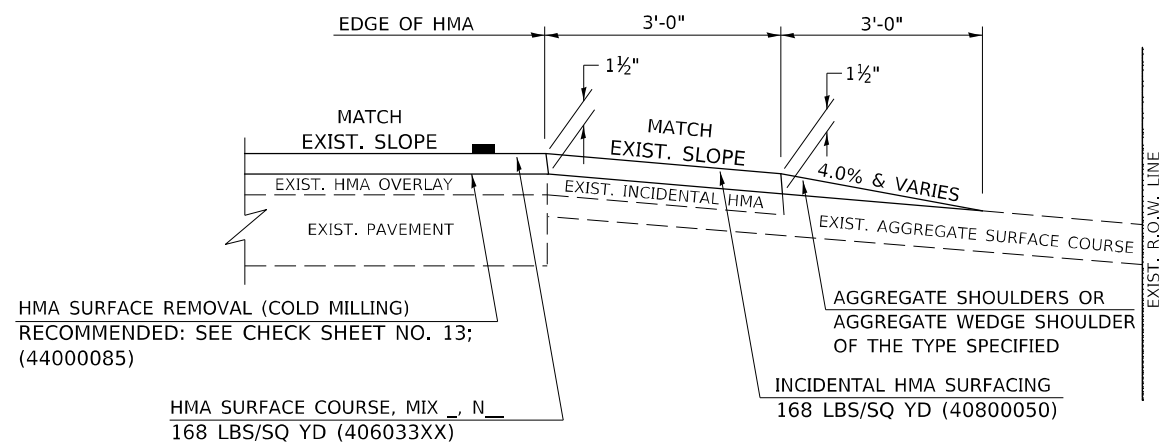
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	41
			CONTRACT NO. 70A88	
ILLINOIS FED. AID PROJECT				

(27)RS-3,(28)RS-56,(27,28)BR-1

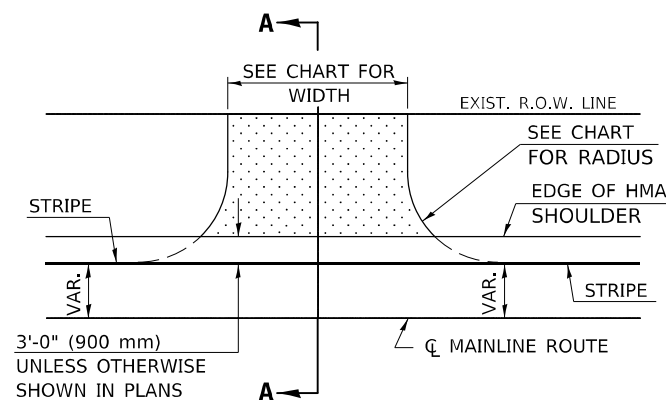
PROJECTS WITHOUT RECONSTRUCTION
 ("3R" WITHOUT RECONSTRUCTION, 3P, SMART AND CM)

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

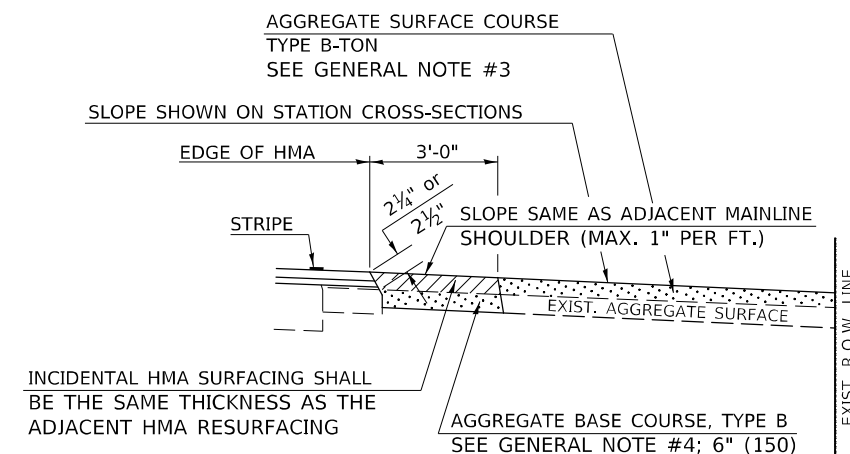
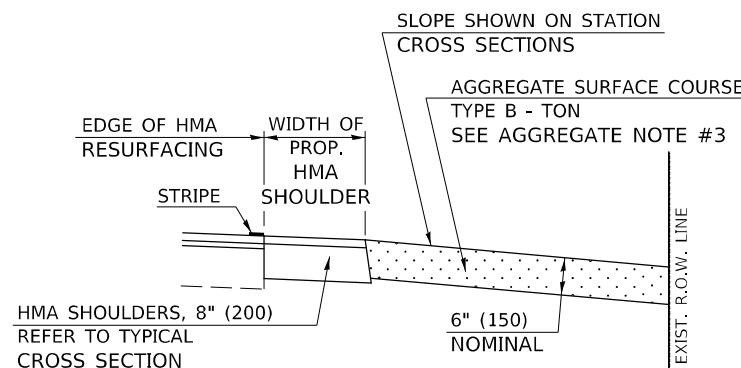
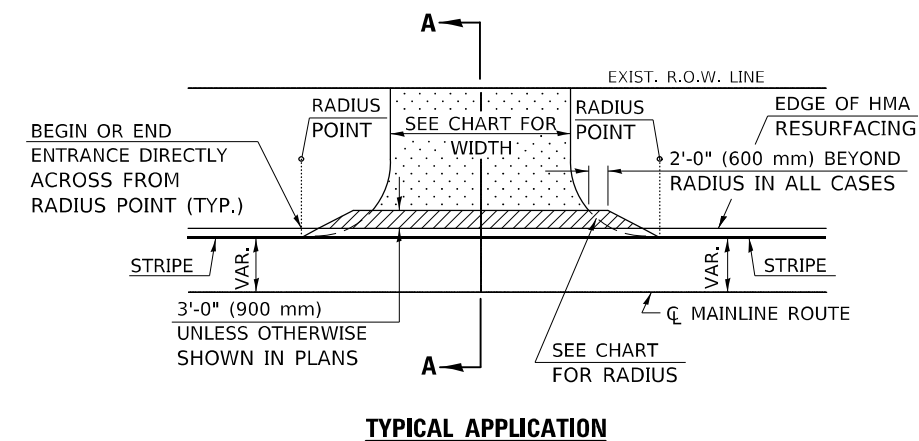


PROJECTS WITH RECONSTRUCTION
 ("3R" IMPROVEMENTS AND SMART/3P "SPOT" LOCATIONS)

ADJACENT TO PROPOSED HMA SHOULDERS
 (AGGREGATE OR EARTH ENTRANCE)



EXISTING AGGREGATE OR EARTH ENTRANCE



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

DISTRICT 5 DETAIL NO. 4080050A

USER NAME = Jason,Goble	DESIGNED -	REVISED - 9/2007 KAG
	DRAWN -	REVISED - 4/2008 KJT
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - 3/2017 SWN
PLOT DATE = 3/22/2023	DATE -	REVISED - 8/2022 JWS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIELD ENTRANCES (NONCOMMERCIAL RURAL)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	42
CONTRACT NO. 70A88				

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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			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			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.

DISTRICT 5 DETAIL NO. 4080050A

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USER NAME = Jason.Goble	DESIGNED -	REVISED - 9/2007 KAG
	DRAWN -	REVISED - 4/2008 KJT
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - 3/2017 SWN
PLOT DATE = 3/22/2023	DATE -	REVISED - 8/2022 JWS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

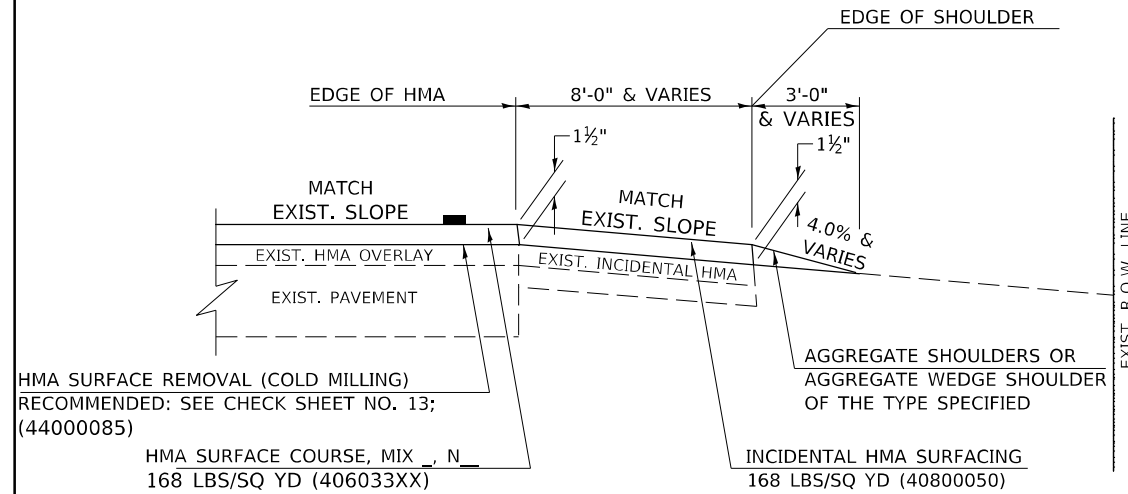
FIELD ENTRANCES (NONCOMMERCIAL RURAL)

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

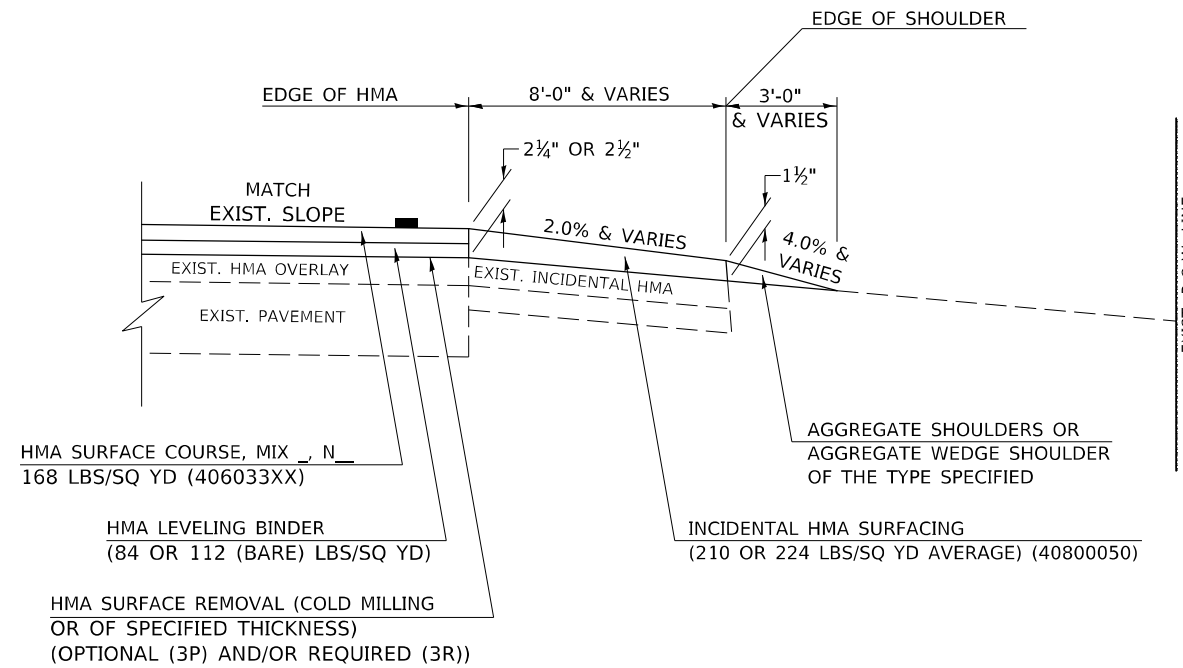
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	43
			CONTRACT NO. 70A88	
		ILLINOIS FED. AID PROJECT		

PROJECTS WITHOUT RECONSTRUCTION

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



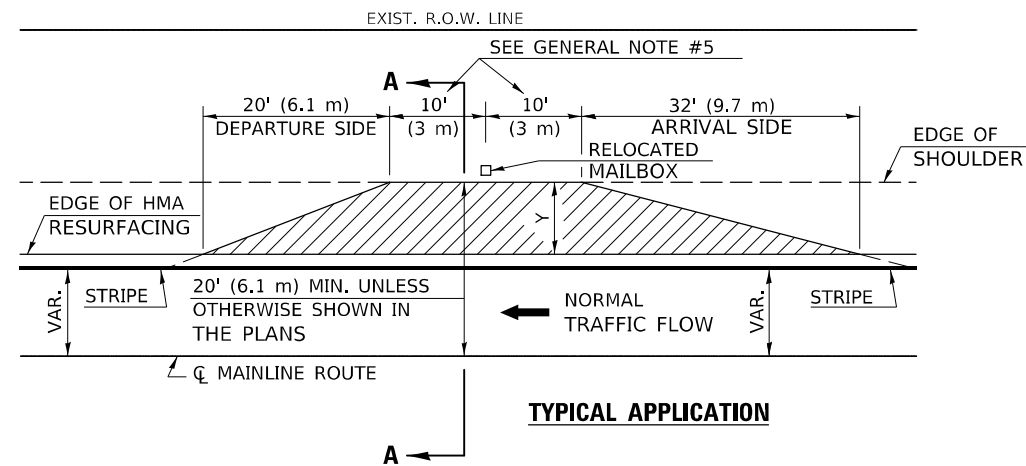
"3P" OR "3R" IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.02; 2¼" OR 2½" ON BARE CONCRETE)



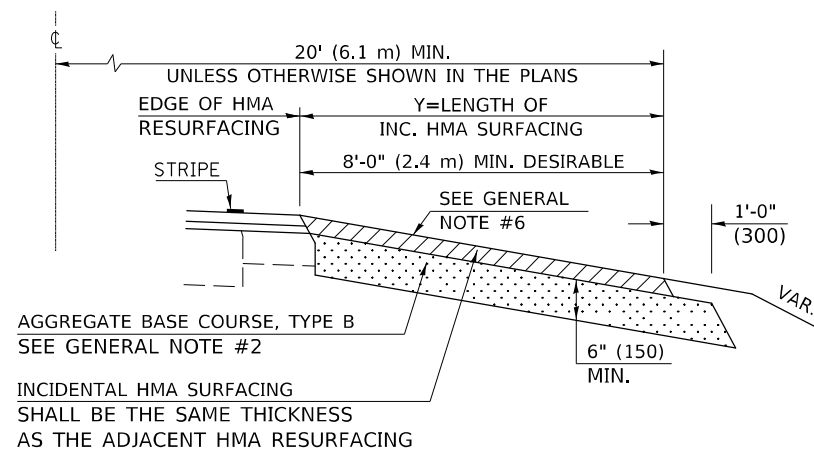
GENERAL NOTES

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

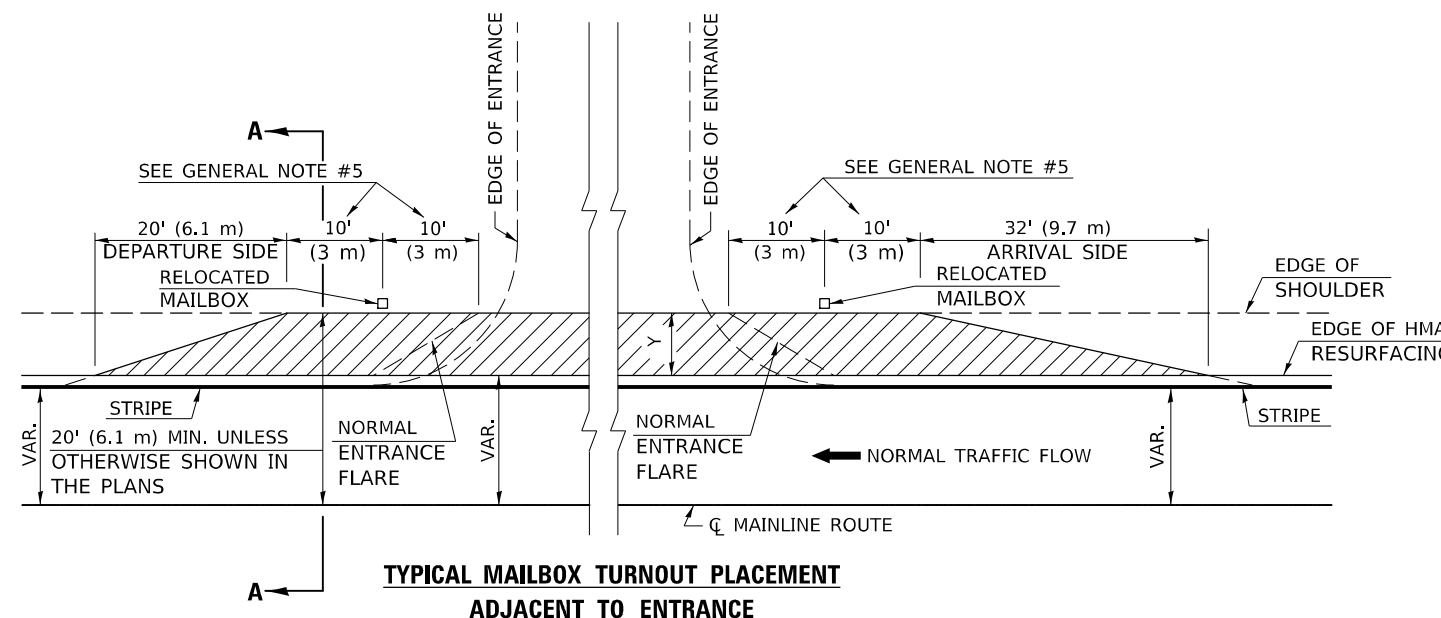
PROJECTS WITH RECONSTRUCTION ("3R" IMPROVEMENTS)



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



SECTION A-A



TYPICAL MAILBOX TURNOUT PLACEMENT
ADJACENT TO ENTRANCE

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

DISTRICT 5 DETAIL NO. 4080050B

USER NAME = Jason, Goble	DESIGNED -	REVISED - 12/2006 TJB
	DRAWN -	REVISED - 9/2007 KAG
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - 8/2022 JWS
PLOT DATE = 3/22/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

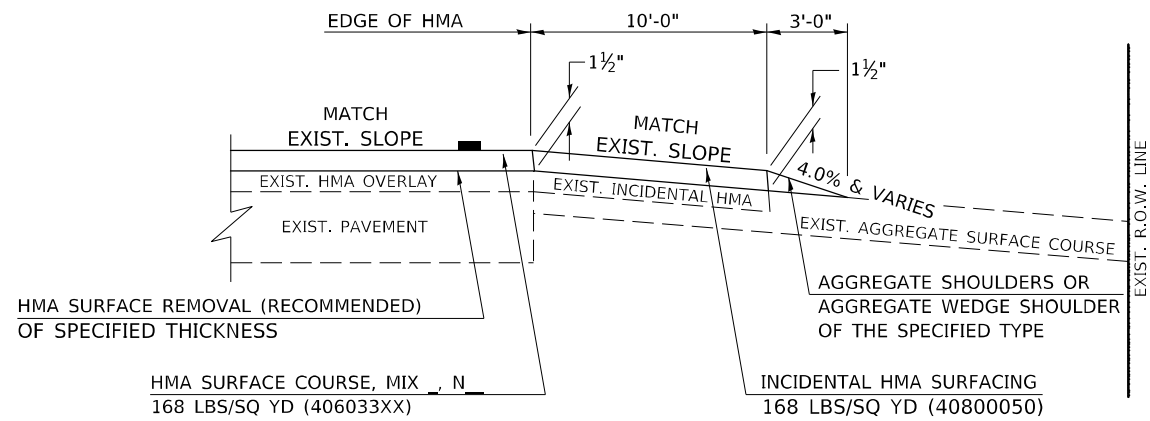
MAILBOX TURNOUT (RURAL)

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

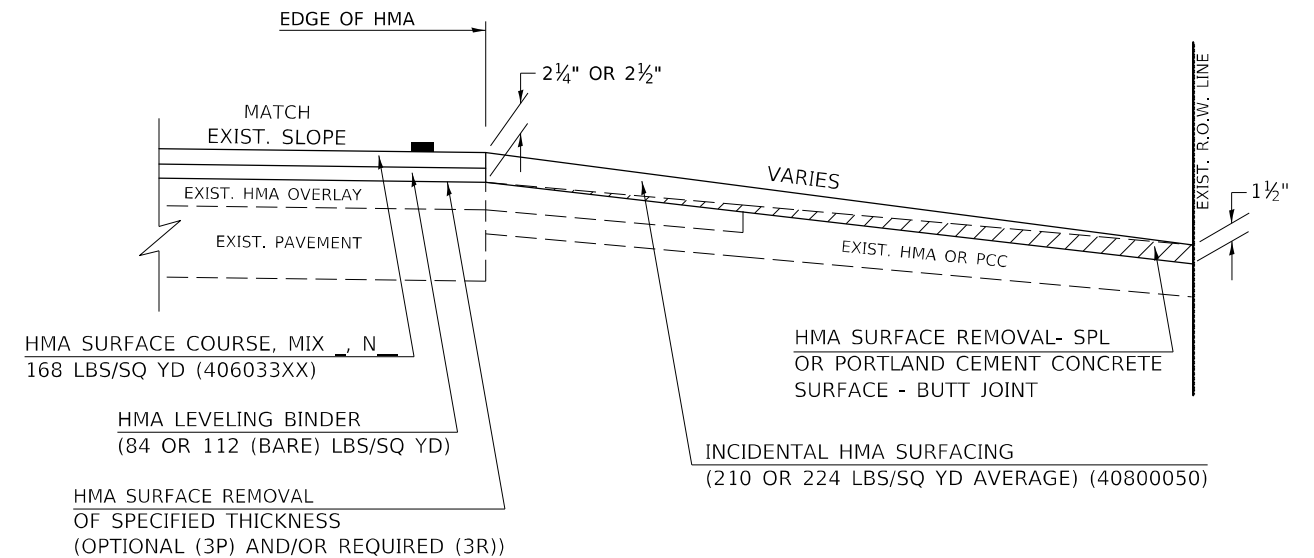
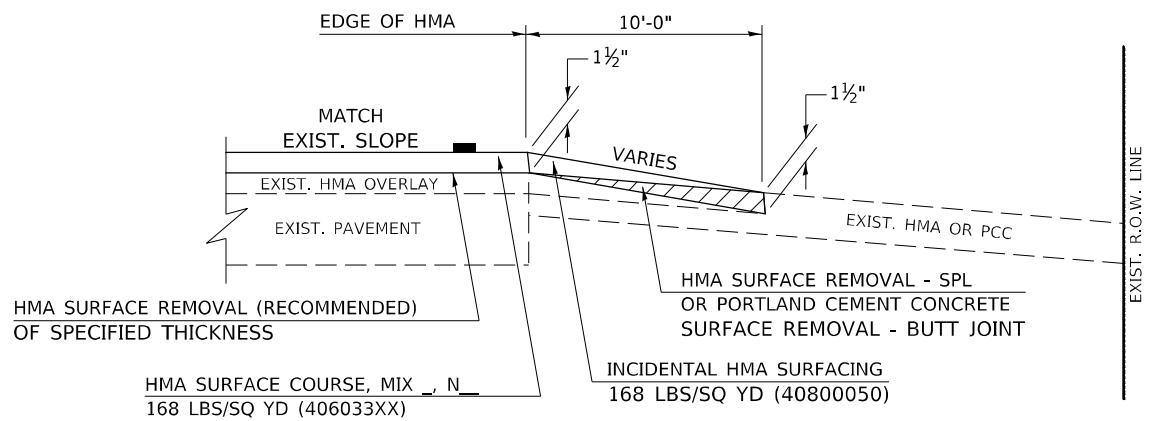
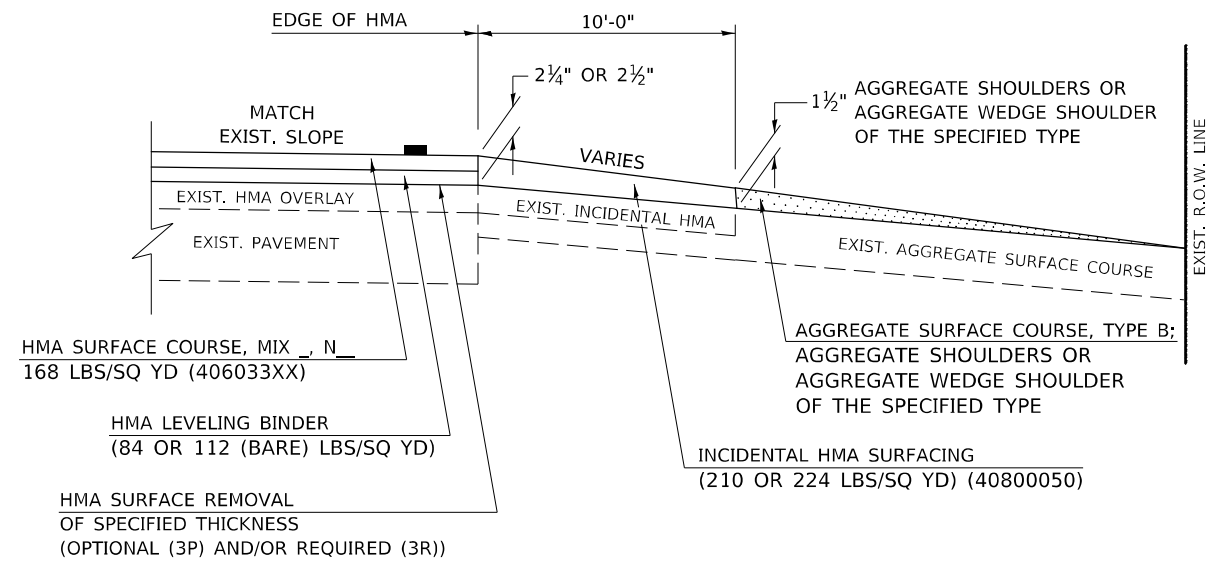
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	44
CONTRACT NO. 70A88			ILLINOIS FED. AID PROJECT	

PROJECTS WITHOUT RECONSTRUCTION

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



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



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

DISTRICT 5 DETAIL NO. 4080050C

USER NAME = Jason.Goble	DESIGNED -	REVISED - 05/08 KJT
	DRAWN -	REVISED - 04/10 KJT
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - 3/6/17 SWN
PLOT DATE = 3/22/2023	DATE -	REVISED - 8/25/22 JWS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

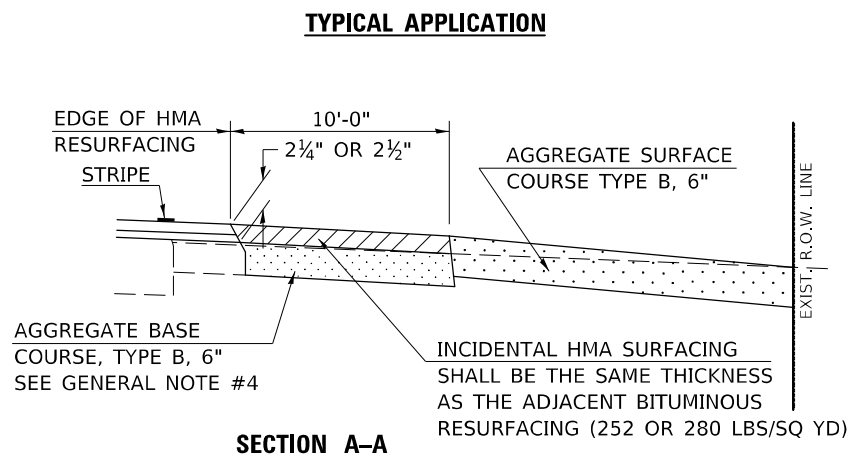
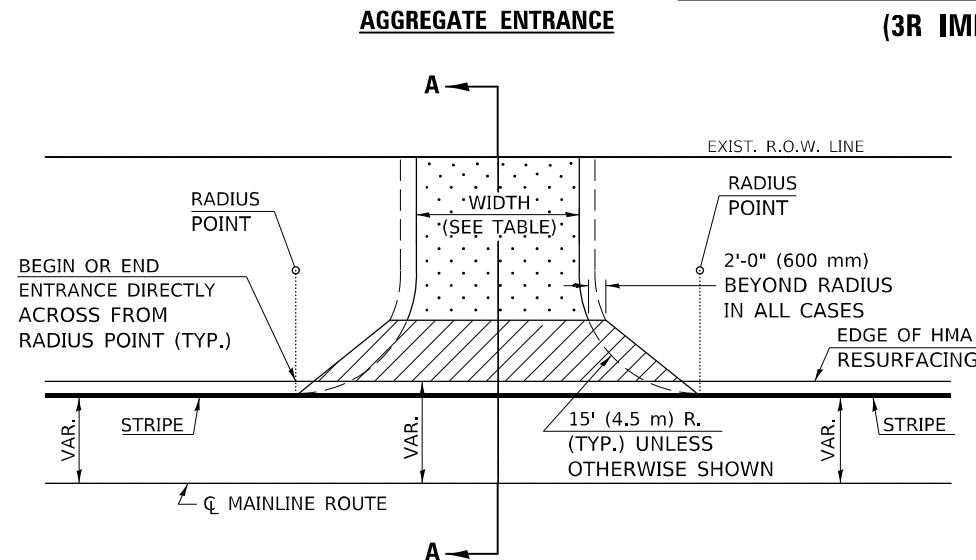
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	45
CONTRACT NO. 70A88				
ILLINOIS FED. AID PROJECT				

(27)RS-3,(28)RS-56,(27,28)BR-1

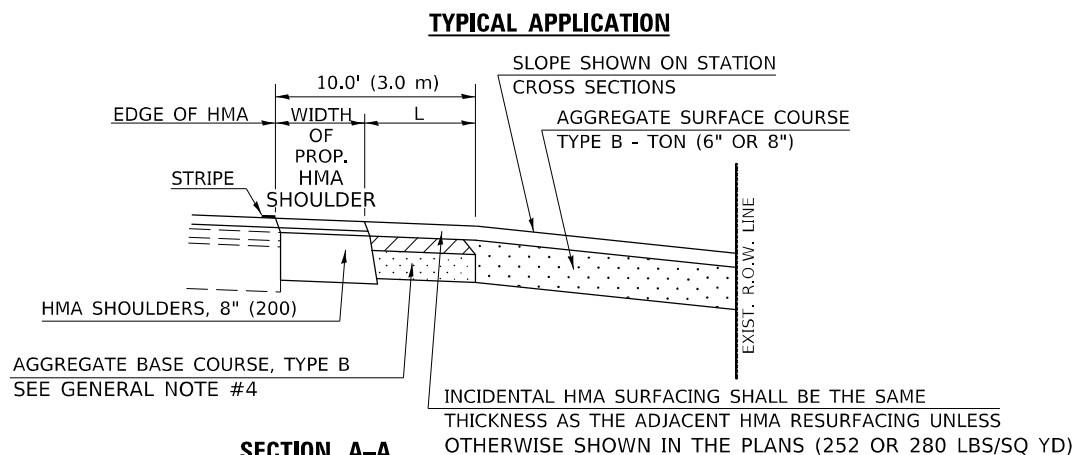
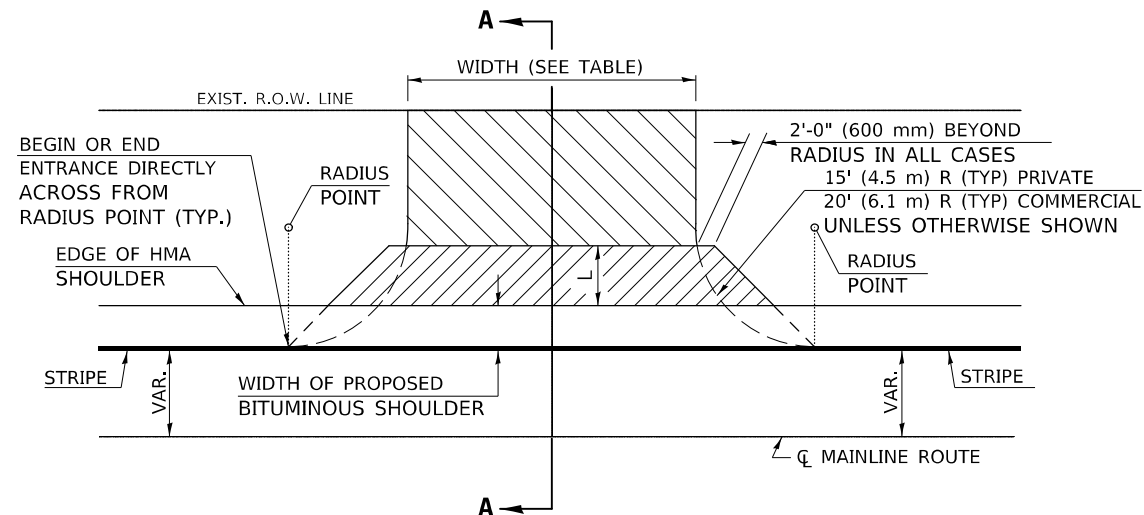
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PROJECTS WITH RECONSTRUCTION

(3R IMPROVEMENTS)



HMA OR PCC ENTRANCE



GENERAL NOTES

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

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

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

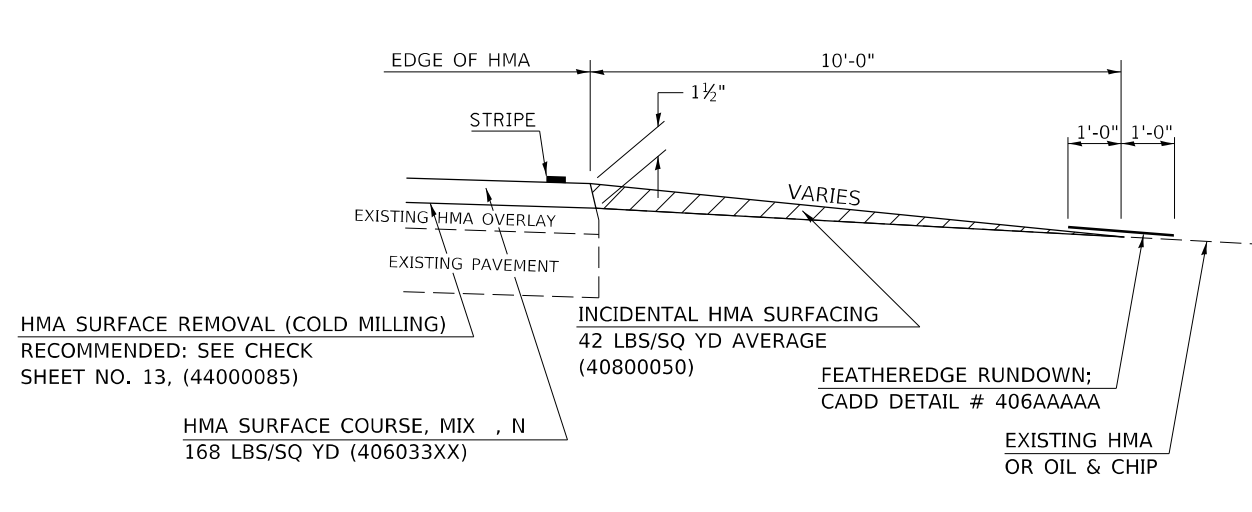
RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)															
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with CONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM								
	NONCOMMERCIAL			FIELD W/FARM IMPLEMENTS			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL		
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.	
SURFACE WIDTH (FT)	12	16	24	24	30	1 LANE, 1 WAY			1 LANE, 1 WAY			1 LANE, 1 WAY			
						14	16	24							
RADIUS (FT)	15	25	40	30	30	2 LANE, 2 WAY			2 LANE, 2 WAY			2 LANE, 2 WAY			
						24	30	35							
SHOULDER WIDTH (FT)	2	2		2		1	3		resurface existing configuration; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them						
SHOULDER SLOPE (%)	2	4	6	4		2	4	6							
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10							
SIDE SLOPE (FT)	1:10	1:6	1:4	1:6	1:4	1:10	1:6	1:4							
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							

DISTRICT 5 DETAIL NO. 40800050C

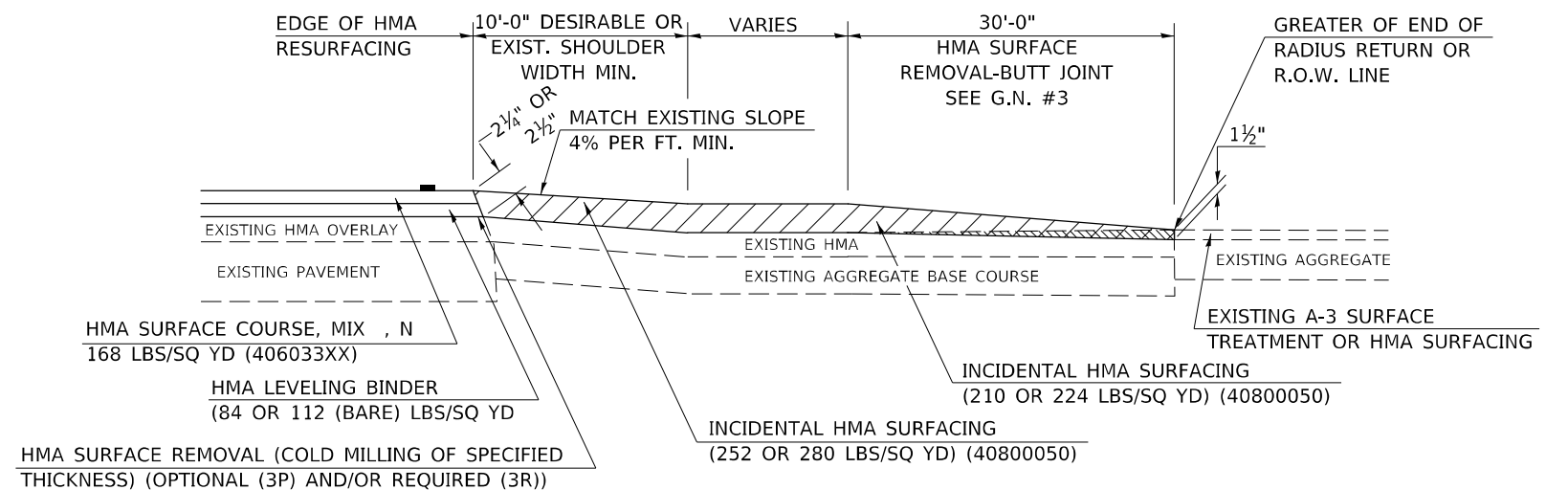
USER NAME = Jason.Goble	DESIGNED -	REVISED - 05/08 KJT	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRIVATE COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED - 04/10 KJT		SCALE:	SHEET 2	OF 2	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	
PLOT DATE = 3/22/2023	CHECKED -	REVISED - 3/6/17 SWN										
	DATE -	REVISED - 8/25/22 JWS										

PROJECTS WITHOUT RECONSTRUCTION

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

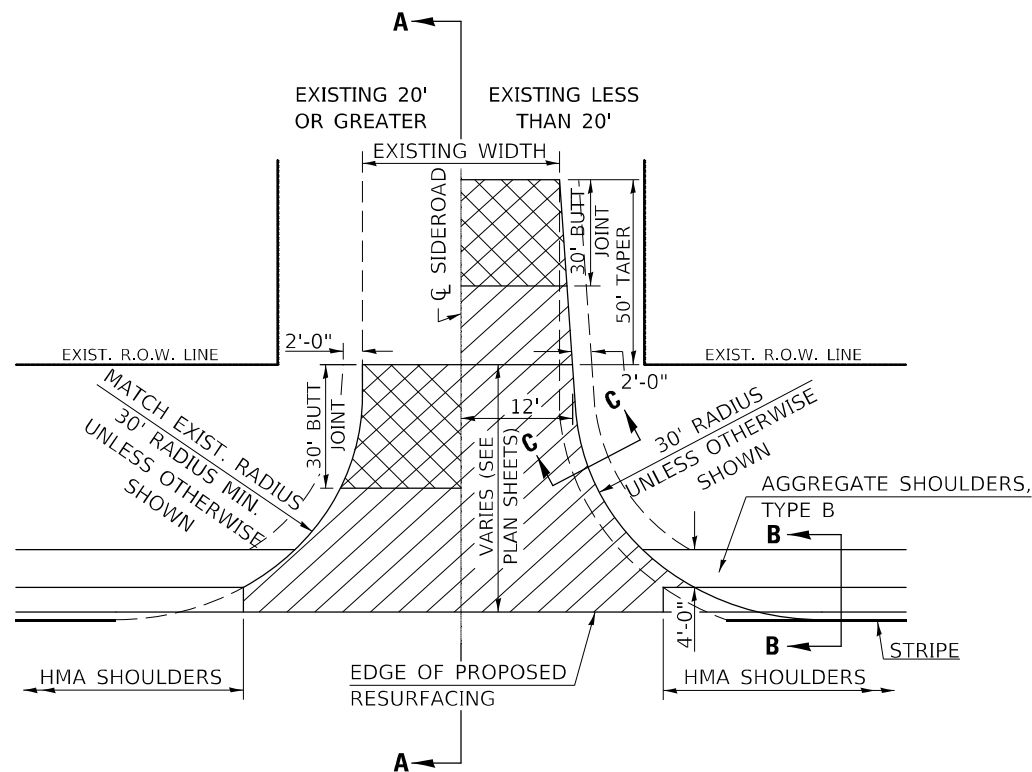


"3P" OR "3R" IMPROVEMENTS

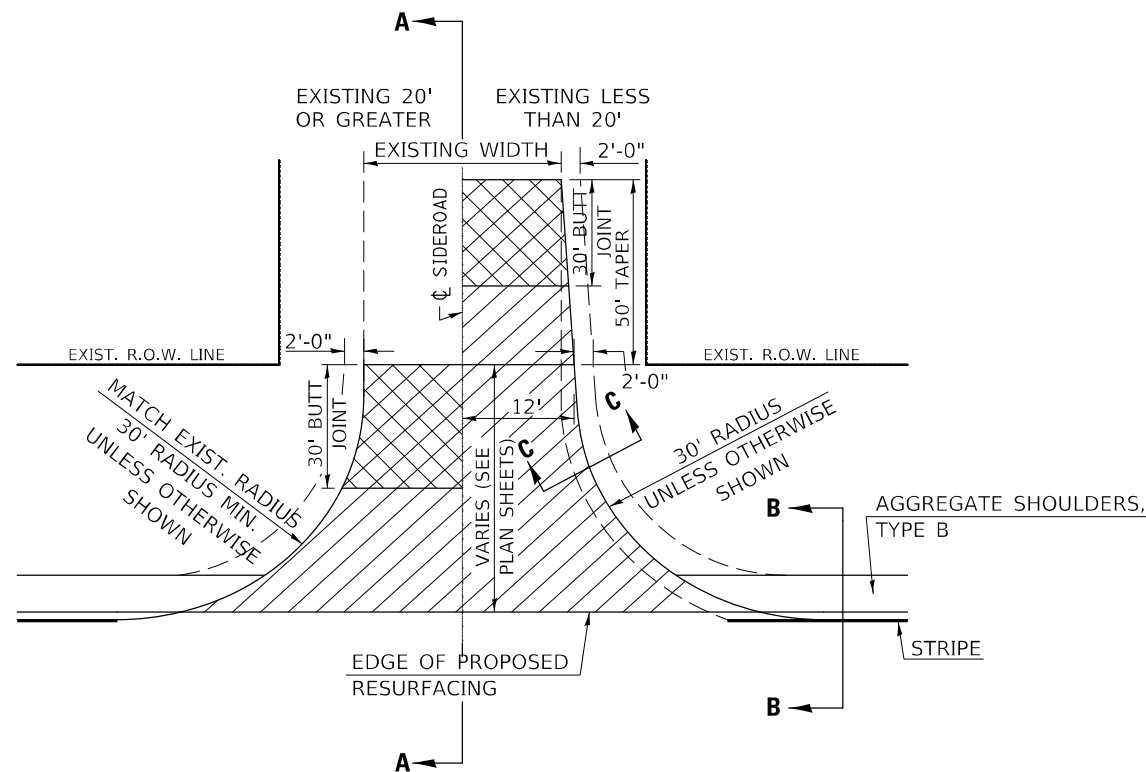


PROJECTS WITH RECONSTRUCTION ("3R" IMPROVEMENTS)

WITH HMA SHOULDER



WITHOUT HMA SHOULDER



GENERAL NOTES

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

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

DISTRICT 5 DETAIL NO. 408000AA

USER NAME = Jason,Goble	DESIGNED -	REVISED - 12/06 TJB
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED - 09/07 KAG
PLOT DATE = 3/22/2023	CHECKED -	REVISED - 12/09 KJT
	DATE -	REVISED -

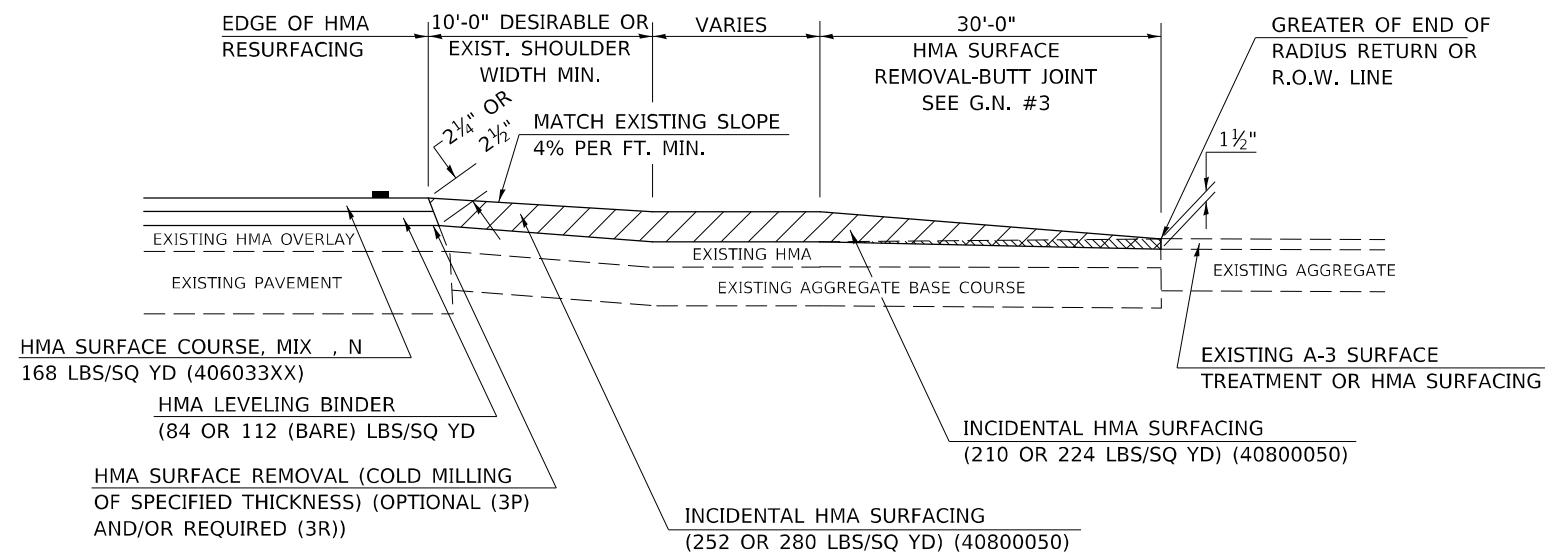
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEROAD & SIDESTREETS (RURAL)

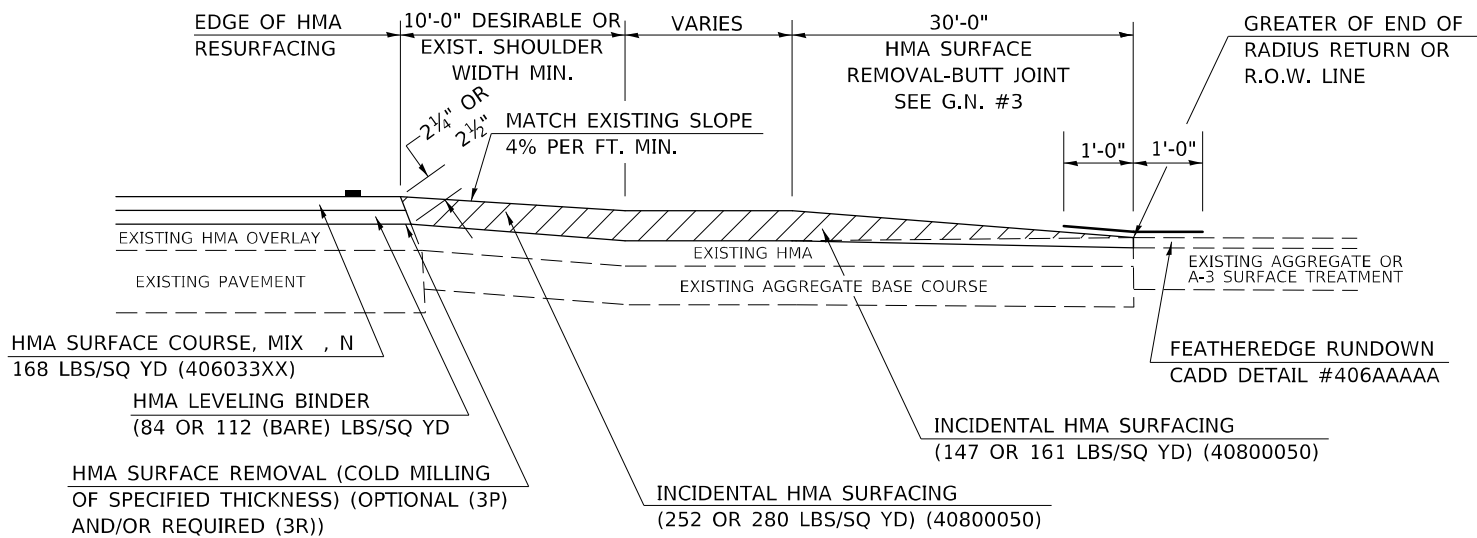
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	47
CONTRACT NO. 70A88			ILLINOIS FED. AID PROJECT	

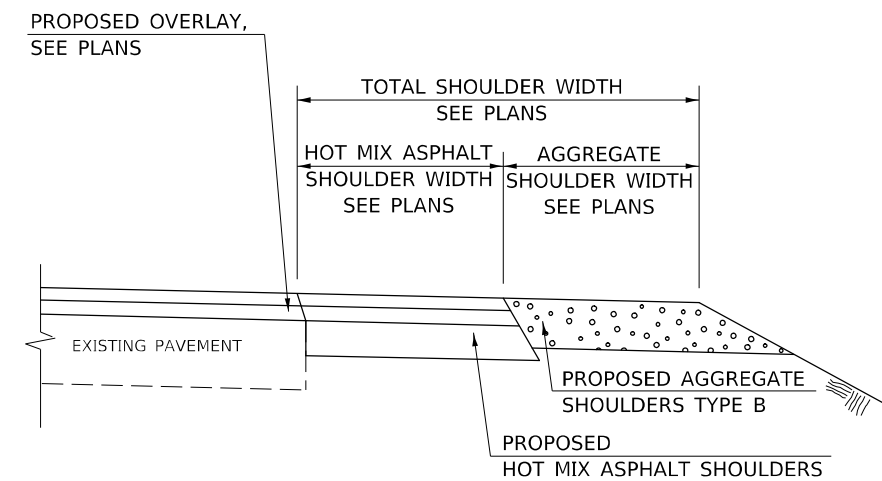
**SECTION A-A
EXISTING HMA OR PCC SIDEROAD (> 400 ADT)**



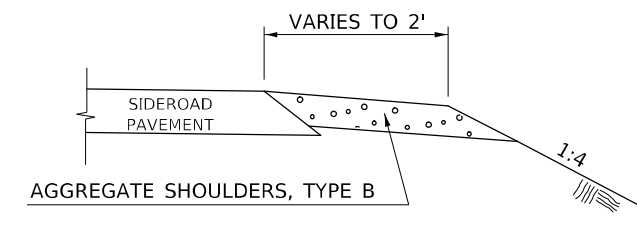
**SECTION A-A
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (< 400 ADT)**



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



**SECTION B-B
MAINLINE SHOULDER TREATMENT**



**SECTION C-C
SIDEROAD SHOULDER TREATMENT**

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

DISTRICT 5 DETAIL NO. 408000AA

MODEL: I:\MODEL\MMFE FILE: MMFE_Plan\Subcontract\beadby.com\FW\DOT\Documents\DOT Office\District 5\Project\70A88\Cadd\Sheet\570A88-PT-drafts.dwg

USER NAME = Jason,Goble	DESIGNED -	REVISD - 12/06 TJB
	DRAWN -	REVISD - 09/07 KAG
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISD - 12/09 KJT
PLOT DATE = 3/22/2023	DATE -	REVISD -

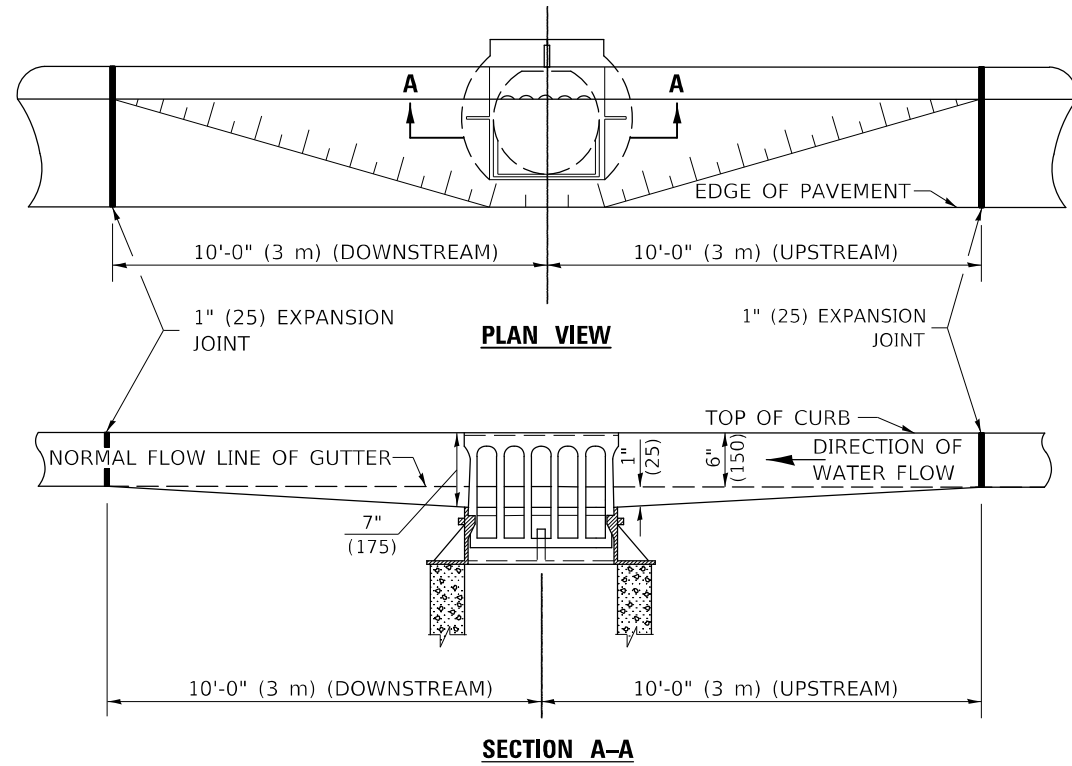
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEROAD & SIDESTREETS (RURAL)

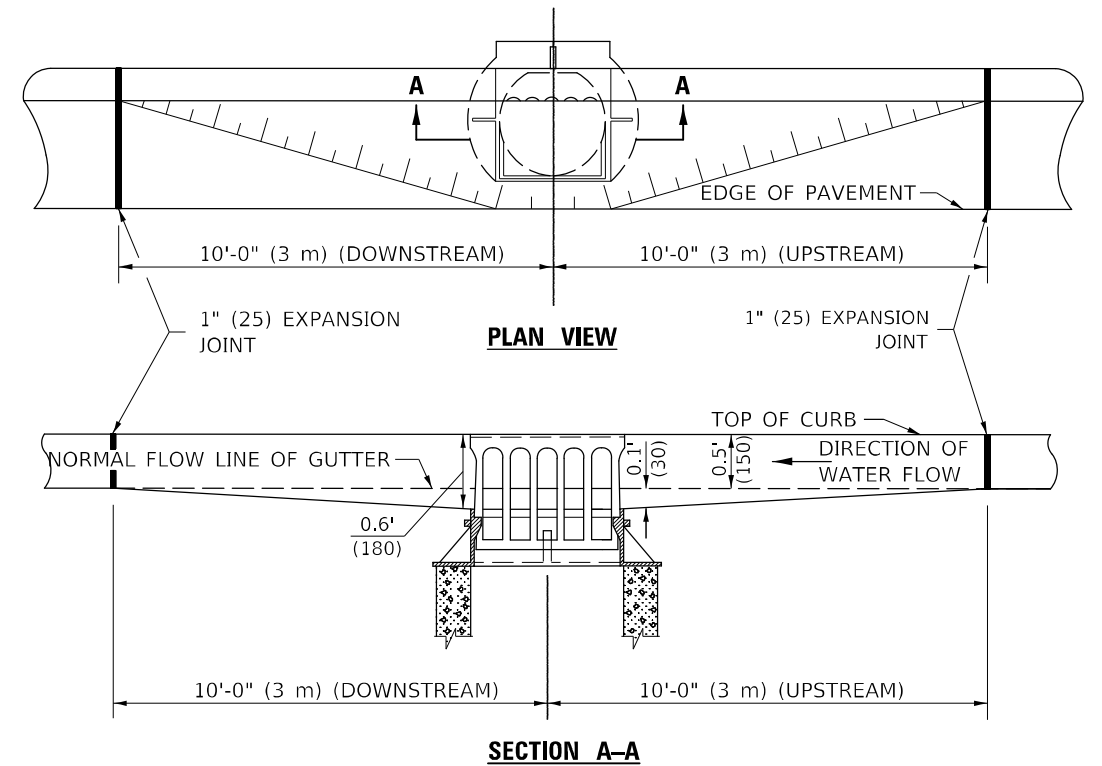
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	48
CONTRACT NO. 70A88				
ILLINOIS FED. AID PROJECT				

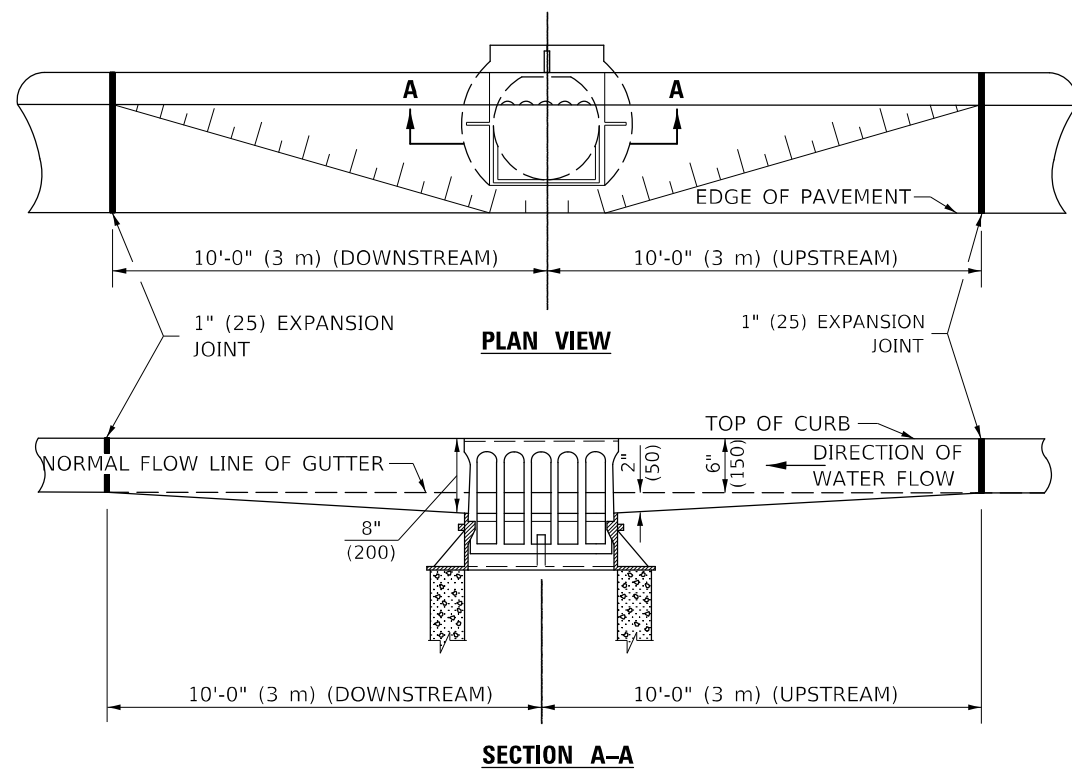
GUTTER DEPRESSION 1" (25mm)



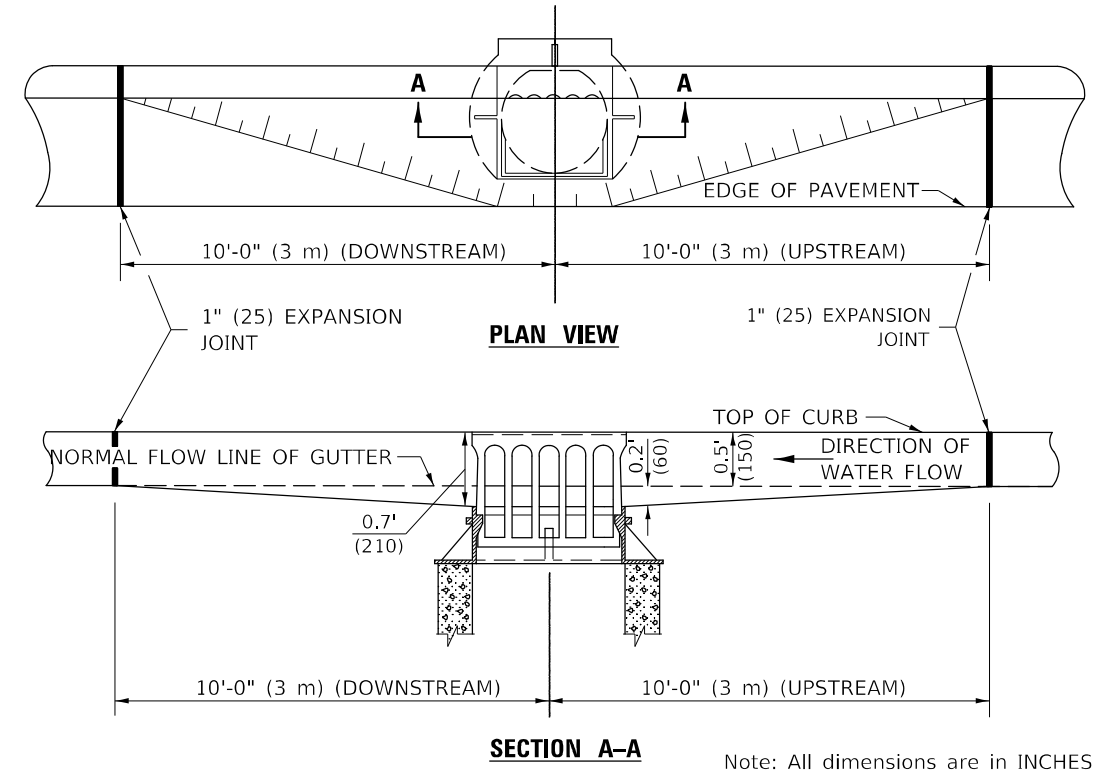
GUTTER DEPRESSION 0.1 FOOT (30mm)



GUTTER DEPRESSION 2" (50mm)



GUTTER DEPRESSION 0.2 FOOT (60mm)



GENERAL NOTES

1. THE TWO EXPANSION JOINTS SHALL BE PLACED AS SHOWN IN STANDARD 606001.
2. THE GUTTER GRADE SHALL BE DEPRESSED AT ALL INLETS, CATCH BASINS AND MANHOLES UNLESS OTHERWISE SPECIFIED IN THE PLANS.
3. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE VARIOUS PAY ITEMS OF WORK INVOLVED.

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

DISTRICT 5 DETAIL NO. 606AAAAA

USER NAME = Jason,Goble	DESIGNED -	REVISED - 11/06
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUTTER DEPRESSION AT INLETS, CATCH BASINS AND MANHOLES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	49
CONTRACT NO. 70A88				

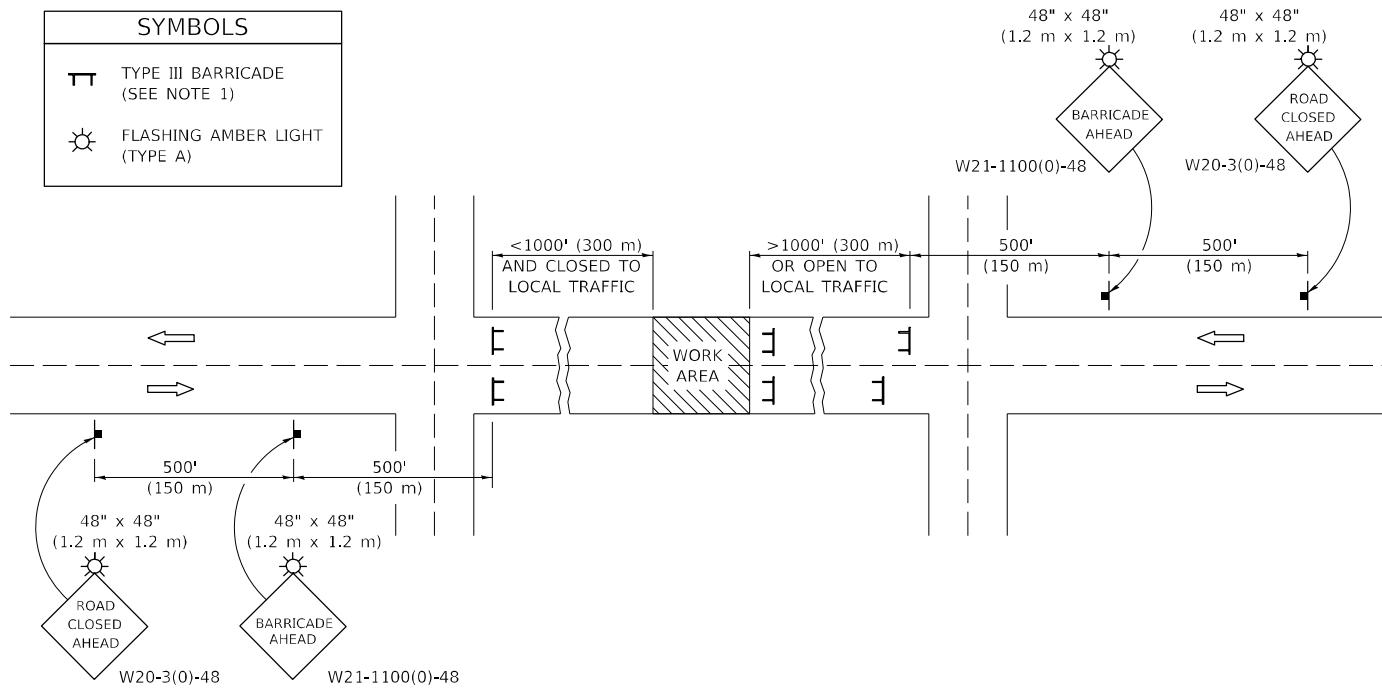
ILLINOIS FED. AID PROJECT

(27)RS-3,(28)RS-56,(27,28)BR-1

ROAD CLOSURE

SIDEROAD / STREET CLOSURE

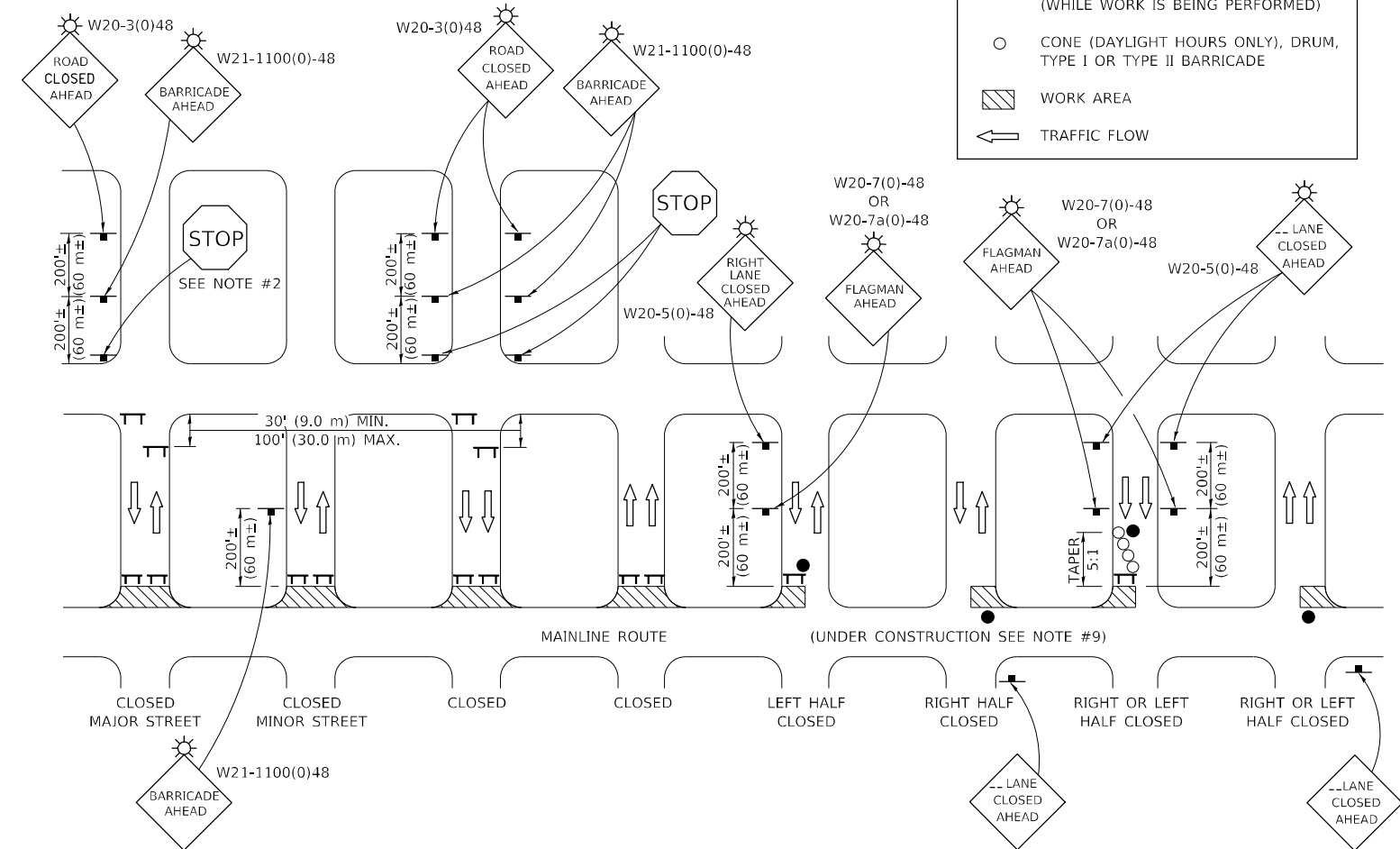
SYMBOLS	
	TYPE III BARRICADE (SEE NOTE 1)
	FLASHING AMBER LIGHT (TYPE A)



GENERAL NOTES

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

SYMBOLS	
	TYPE III BARRICADE (SEE NOTE)
	FLASHING LIGHT
	FLAGGER WITH TRAFFIC CONTROL SIGN (WHILE WORK IS BEING PERFORMED)
	CONE (DAYLIGHT HOURS ONLY), DRUM, TYPE I OR TYPE II BARRICADE
	WORK AREA
	TRAFFIC FLOW



GENERAL NOTES

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

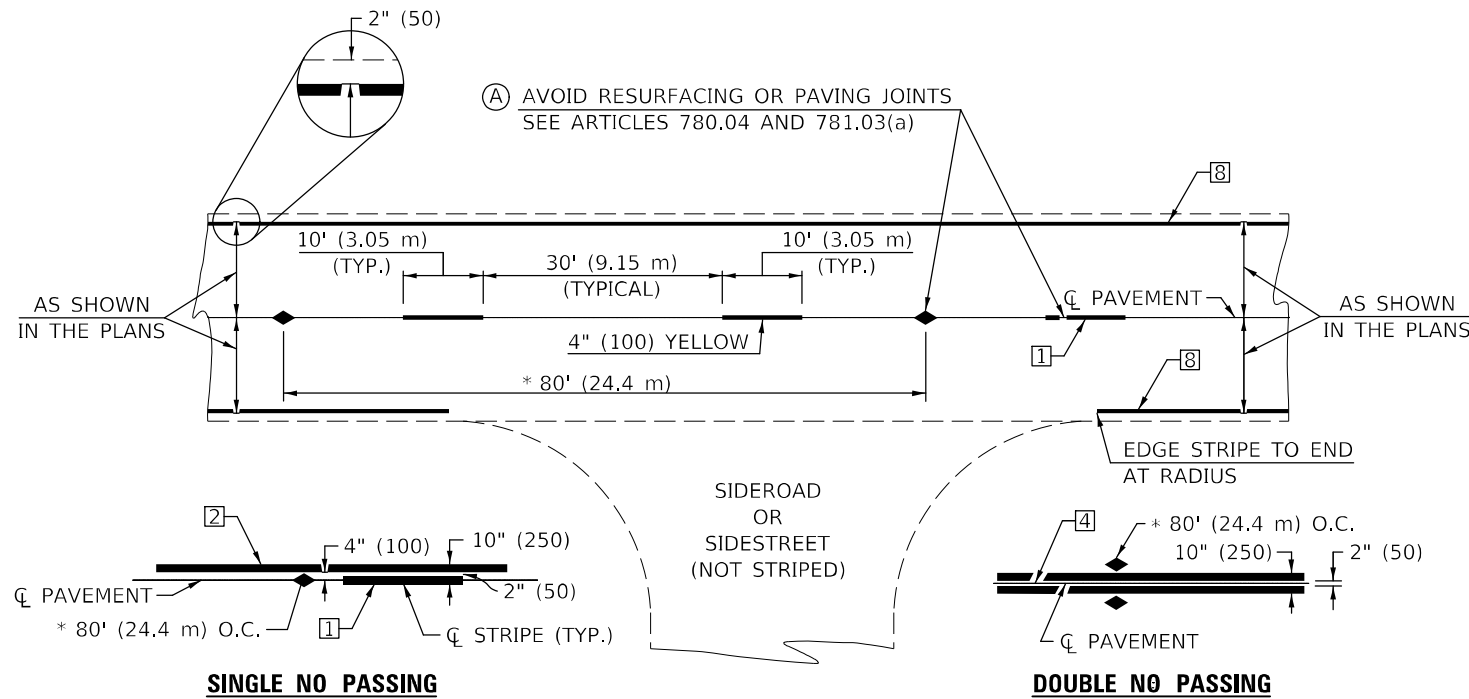
DISTRICT 5 DETAIL NO. 7020000

USER NAME = Jason.Goble	DESIGNED -	REVISED - 11/06
	DRAWN -	REVISED - 12/07
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - 09/09 KJT
PLOT DATE = 3/22/2023	DATE -	REVISED -

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	50
CONTRACT NO. 70A88				
ILLINOIS FED. AID PROJECT				

(27)RS-3,(28)RS-56,(27,28)BR-1



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

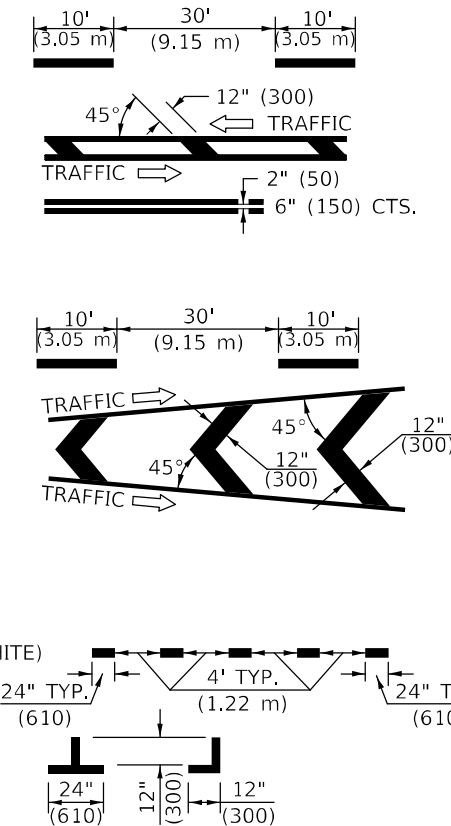
TWO LANE/TWO WAY

TYPICAL PAVEMENT MARKING LEGEND

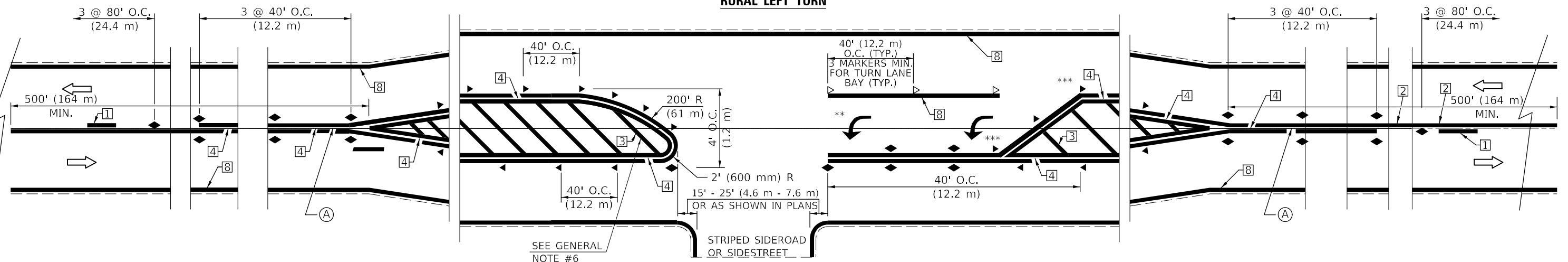
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)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

USER NAME = Jason,Goble	DESIGNED -	REVISD - 4/2014 JLA
	DRAWN -	REVISD - 3/2019 SWN
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISD - 8/2022 JLA
PLOT DATE = 3/22/2023	DATE -	REVISD - 9/2022 JWS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

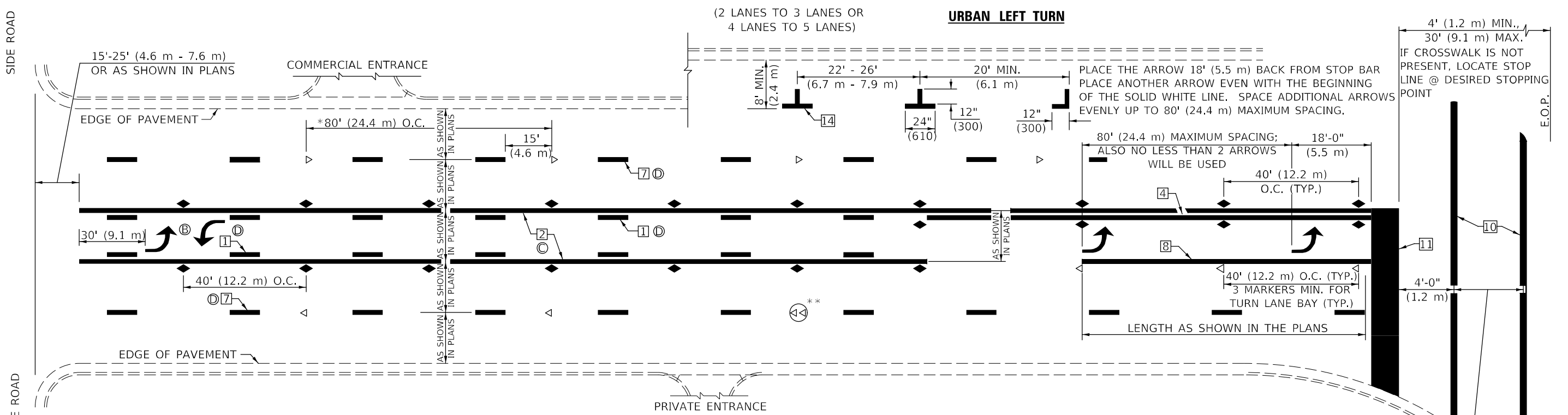
**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	51
			CONTRACT NO. 70A88	
ILLINOIS FED. AID PROJECT				

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

1 (27)RS-3,(28)RS-56,(27,28)BR-1

MODEL: I:\MODEL MARKS FILE: 7800AAAA.dwg; PLOT DATE: 3/22/2023; PLOT SCALE: 100,0000' / in.; USER: jgoble; PROJECT: 70A88; SHEET: 51 OF 56

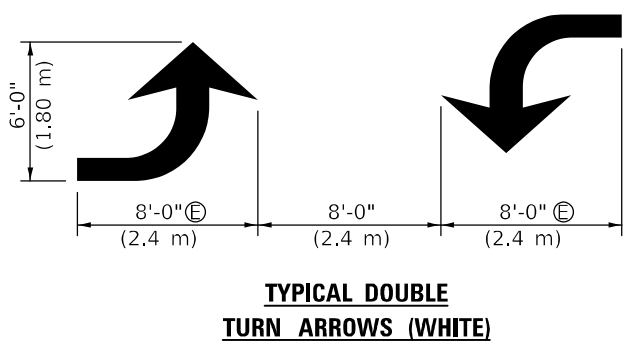
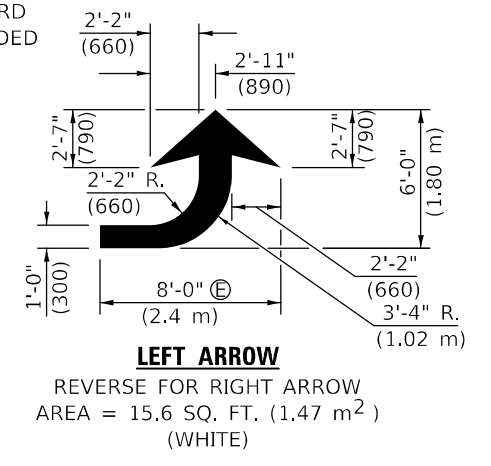


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

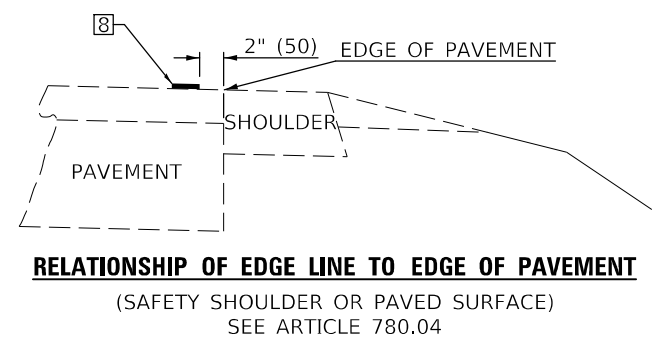
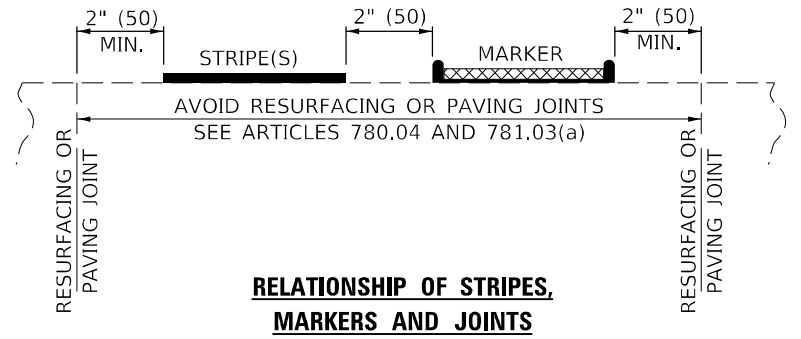
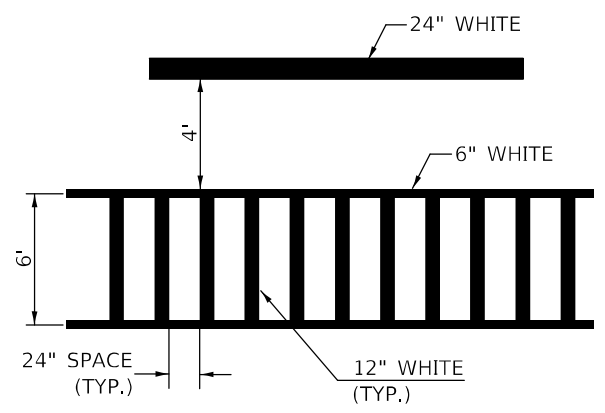
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

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)



BLOOMINGTON-NORMAL CITY LIMITS ONLY



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

DISTRICT 5 DETAIL NO. 7800AAAA

USER NAME = Jason, Goble	DESIGNED -	REVISED - 4/2014 JLA
	DRAWN -	REVISED - 3/2019 SWN
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - 8/2022 JLA
PLOT DATE = 3/22/2023	DATE -	REVISED - 9/2022 JWS

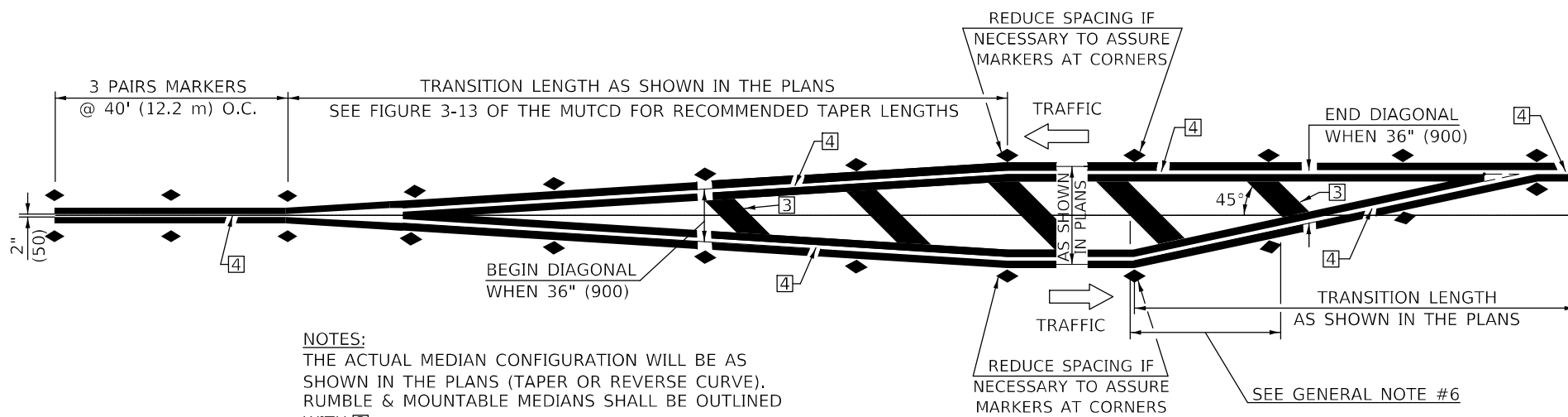
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	52
CONTRACT NO. 70A88			ILLINOIS FED. AID PROJECT	

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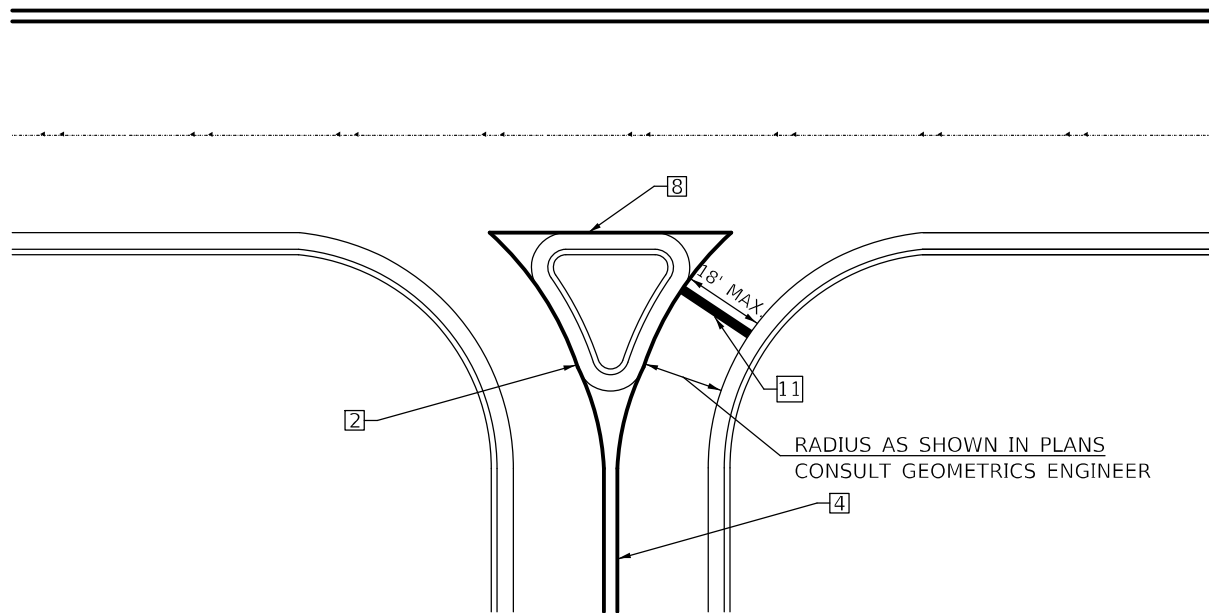


NOTES:
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE). RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

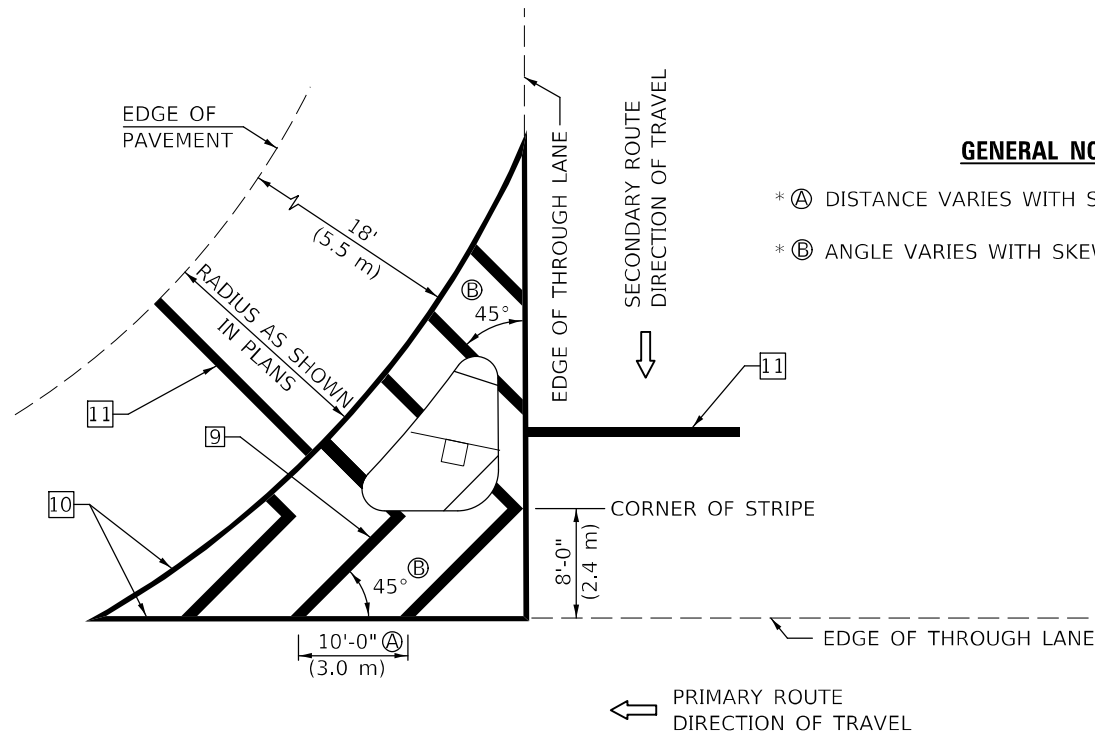
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

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



RIGHT IN - RIGHT OUT ACCESS



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: I:\MODEL MARKS FILE NAME: p:\pub\paw_bentley.com\P\DOT\Documents\DOT Office\Dir\Dir: S:\Project\70A88\CADD\Info\CaddSheet\70A88-PT-4\Detail.dgn

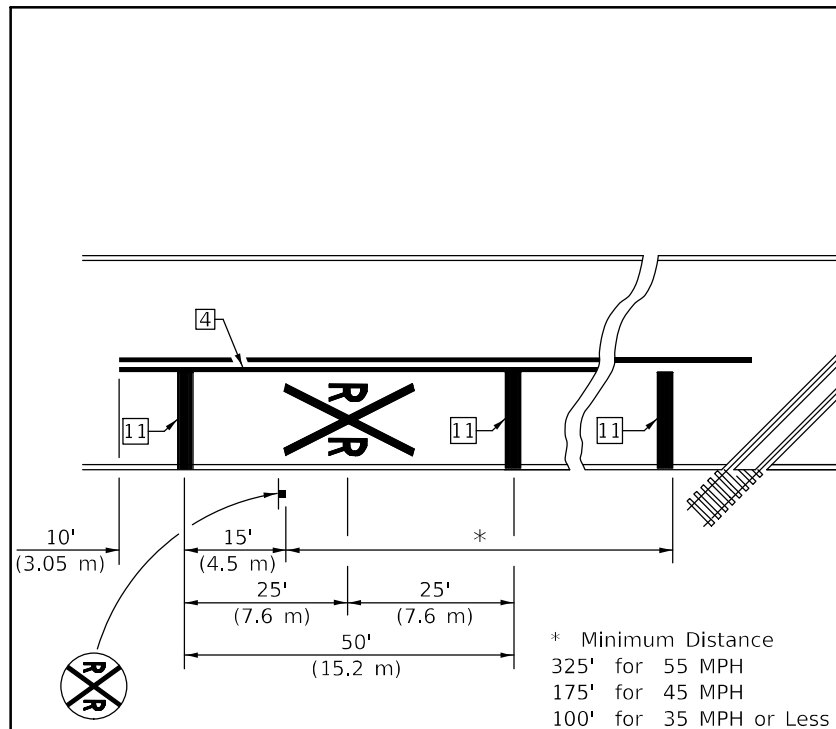
USER NAME = Jason.Goble	DESIGNED -	REVISED - 4/2014 JLA
	DRAWN -	REVISED - 3/2019 SWN
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - 8/2022 JLA
PLOT DATE = 3/22/2023	DATE -	REVISED - 9/2022 JWS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	53
CONTRACT NO. 70A88			ILLINOIS FED. AID PROJECT	

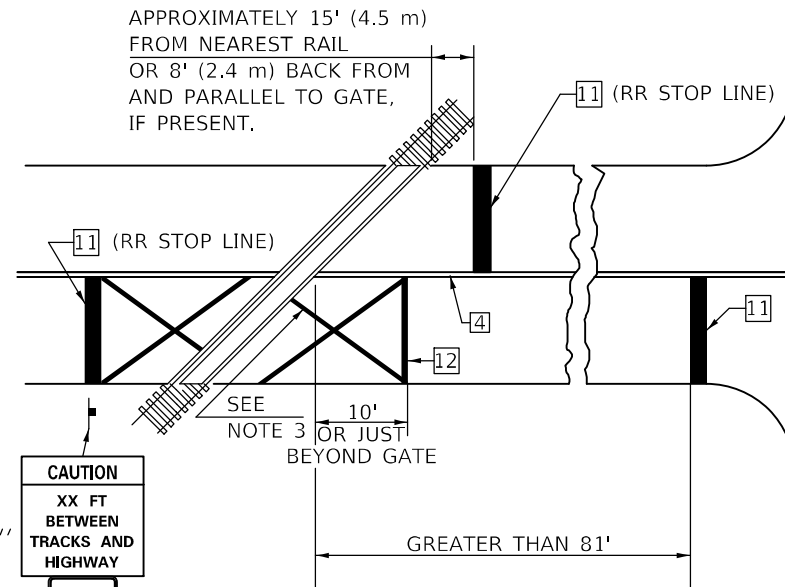


PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

APPROXIMATELY 15' (4.5 m) FROM NEAREST RAIL OR 8' (2.4 m) BACK FROM AND PARALLEL TO GATE, IF PRESENT.

RAILROAD CROSSING WITH INTERCONNECT ONLY

APPROXIMATELY 15' (4.5 m) FROM NEAREST RAIL OR 8' (2.4 m) BACK FROM AND PARALLEL TO GATE, IF PRESENT.



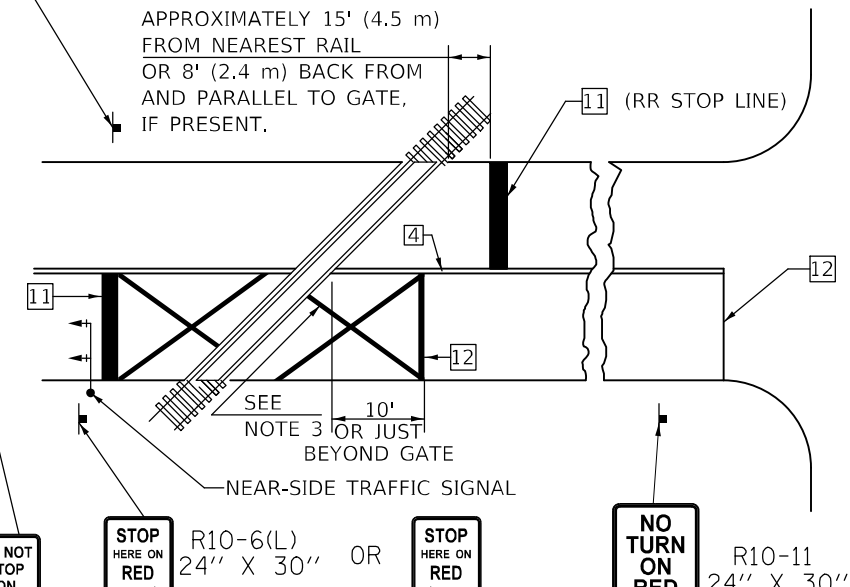
W10-I100
30'' X 36''

DO NOT STOP ON TRACKS
R8-8
24'' X 30''

ONLY IF SIGNAL HEAD CANNOT BE LOCATED IN MEDIAN

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS

APPROXIMATELY 15' (4.5 m) FROM NEAREST RAIL OR 8' (2.4 m) BACK FROM AND PARALLEL TO GATE, IF PRESENT.



R8-8
24'' X 30''

STOP HERE ON RED
R10-6(L)
24'' X 30''
OR
R10-11
24'' X 30''

STOP HERE ON RED
R10-6(R)
24'' X 30''
IF IN MEDIAN

NO TURN ON RED
R10-11
24'' X 30''
DO NOT STOP ON TRACKS
R8-8
24'' X 30''

GENERAL NOTES

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
3. 6" WHITE PAVEMENT MARKINGS AT 45° TO PAVEMENT, 8' CENTER TO CENTER.
4. XX DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICH EVER IS CLOSEST, ROUNDED DOWN TO NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
5. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTENDED TO THE INTERSECTION.

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

ALTERNATE SIGNS



NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

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

DISTRICT 5 DETAIL NO. 7800AAAA

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

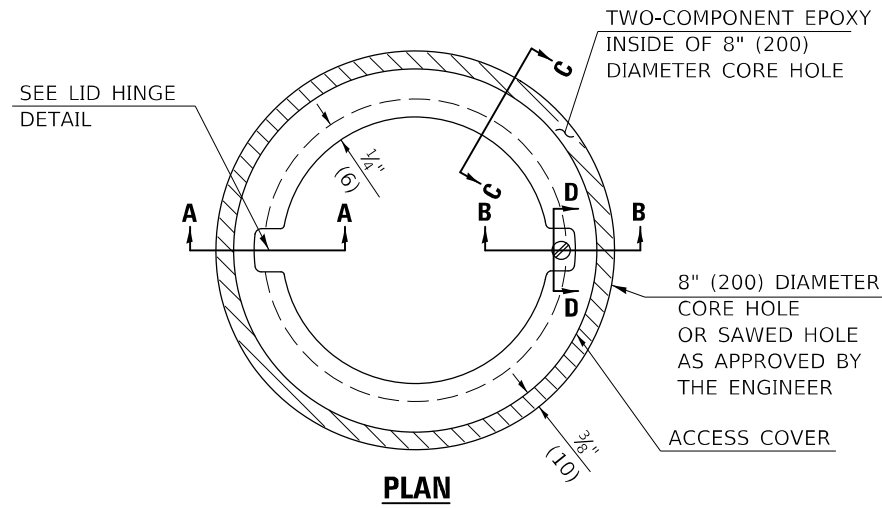
**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	54
CONTRACT NO. 70A88				

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

(27)RS-3,(28)RS-56,(27,28)BR-1

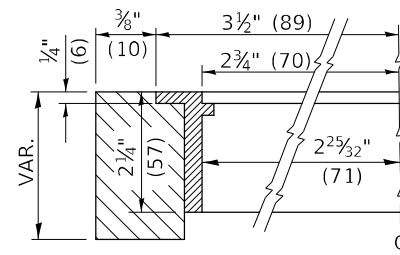
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT
FOR PRESERVING LAND SURVEY MONUMENTS (SECTION
OR SUBSECTION CORNERS)



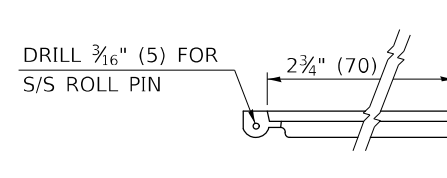
LEGEND

- 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)



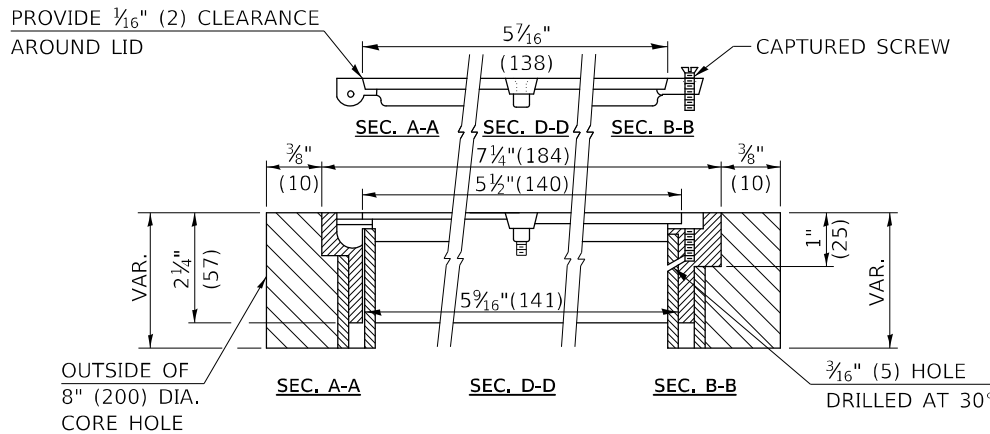
SECTION C-C



LID HINGE DETAIL

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).

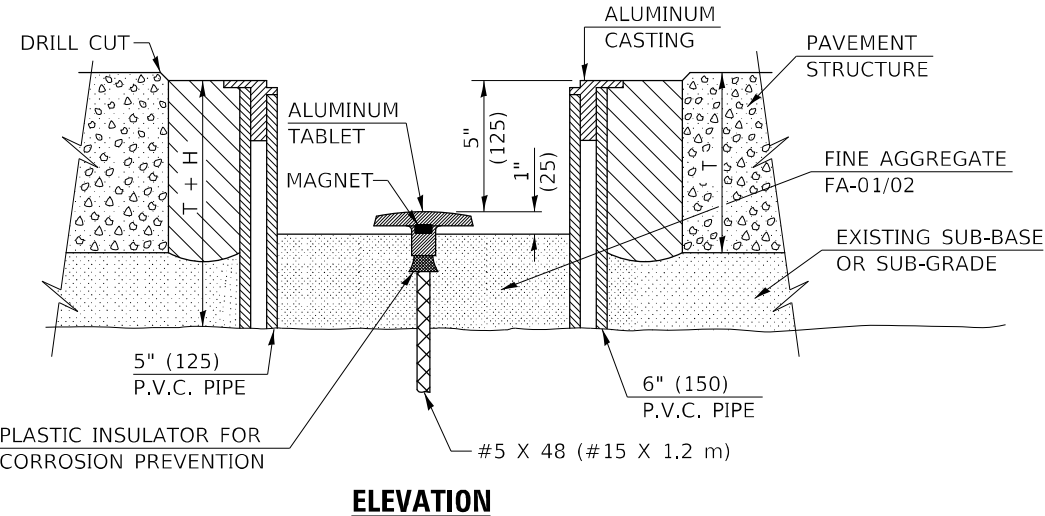


BILL OF MATERIAL

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.



ELEVATION

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

DISTRICT 5 DETAIL NO. X0301232

MODEL: I:\MODEL\NAME: FILE: NAME: PROJECT: 70A88\CD\Drawings\Sheet\0570A88-11-Details.dwg

USER NAME = Jason,Goble	DESIGNED -	REVISED - 11/06
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SURVEY MARKER VAULT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	56	55
			CONTRACT NO. 70A88	
ILLINOIS FED. AID PROJECT				

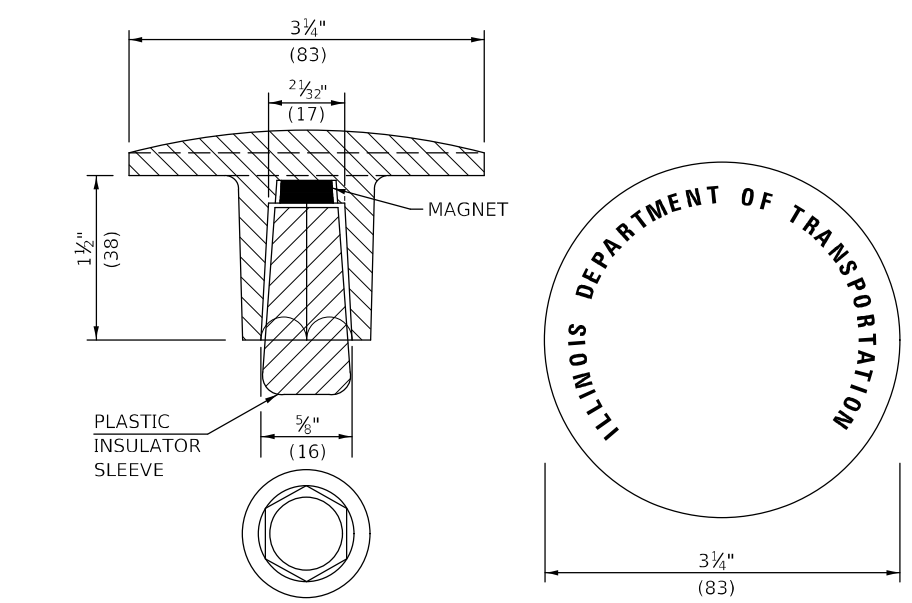
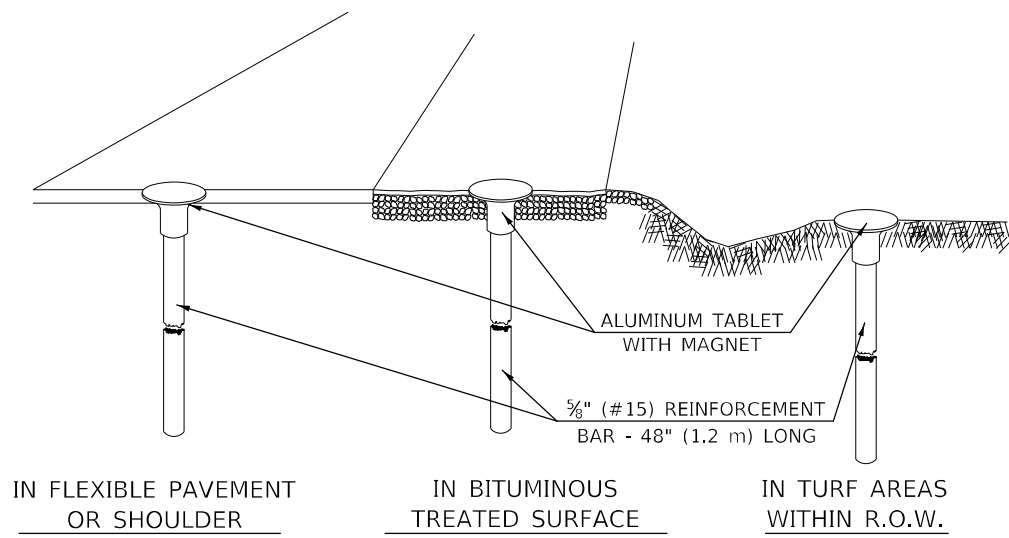
(27)RS-3,(28)RS-56,(27,28)BR-1

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)

XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

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



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

GENERAL NOTES

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

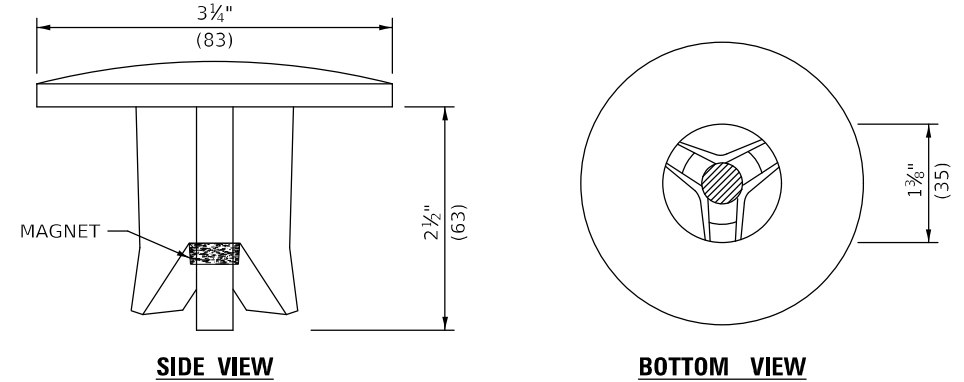
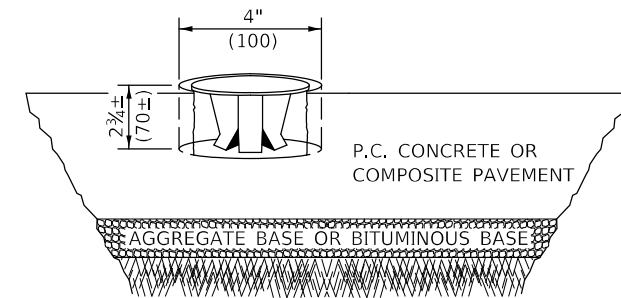
SPECIFICATIONS FOR ALUMINUM TABLET

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

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

SPECIFICATIONS FOR REBAR

REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE 5/8" (#15) X 48" (1.2 m) (DEFORMED).
INSPECTION OF REINFORCEMENT BAR 5/8" (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.



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: 44001EN.MXD FILE: 44001EN.dwg PLOT DATE: 3/22/2023 PROJECT: DISTRICT 5 DETAIL NO. XZ193AAA

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USER NAME = Jason, Goble	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SURVEY MARKERS TYPE 1 & 2 (SPECIAL)				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED - 11/10	317						*	MCLEAN	56	56	
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -		SCALE:				CONTRACT NO. 70A88		ILLINOIS FED. AID PROJECT		
PLOT DATE = 3/22/2023	DATE -	REVISED -		SHEET	OF	SHEETS	STA.	TO	STA.			

(27)RS-3,(28)RS-56,(27,28)BR-1