

04-29-2022 LETTING ITEM 035
INDEX OF SHEETS

- 1 COVER SHEET
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- 3 SUMMARY OF QUANTITIES
- 4-5 SCHEDULE OF QUANTITIES
- 6 LINE DIAGRAM
- 7-11 TYPICAL SECTION
- 12-13 CADD STANDARD

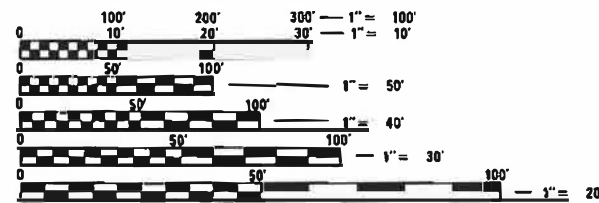
HIGHWAY STANDARDS

- 701011-04
- 701301-04
- 701306-04
- 701311-03
- 701901-08
- 780001-05
- 781001-04

CADD STANDARDS
780001-D4

DESIGN DESIGNATION:

MINOR ARTERIAL NON-URBAN
ADT: 1050 (2019)
MU = 11.2% (2019)
SU = 7.06% (2019)



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: RICH DOTSON (309)-671-3455
PROJECT MANAGER: MIKE JACOB (309)-671-3460
CATALOG NO. 036199-00D
CONTRACT NO. 68G33

STRUCTURE OMISSION
S.N. 094-0044
STA. 577 + 19 TO
STA. 578 + 43

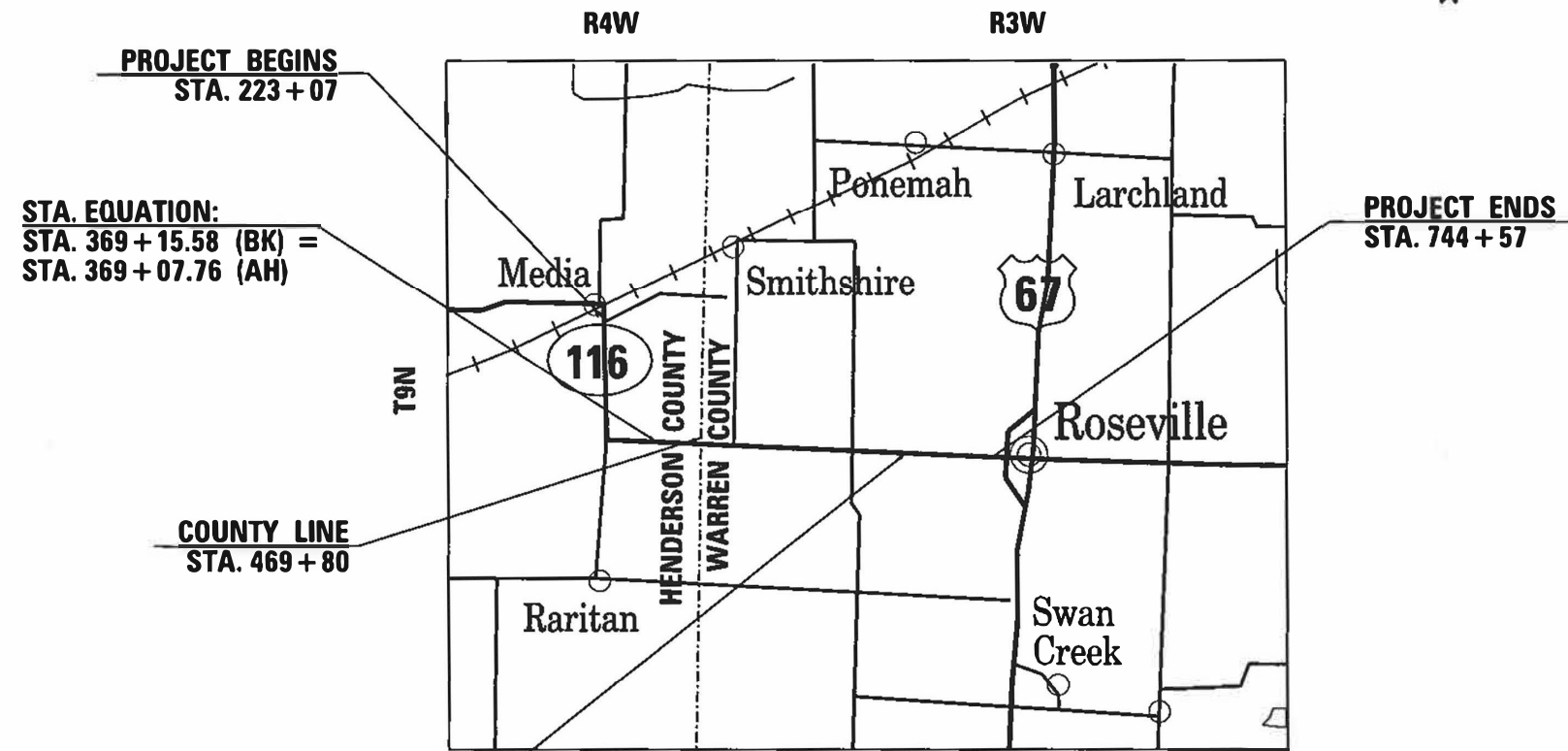
GROSS LENGTH = 52,094 FT. = 9.87 MILES
NET LENGTH = 51,963 FT. = 9.84 MILES

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

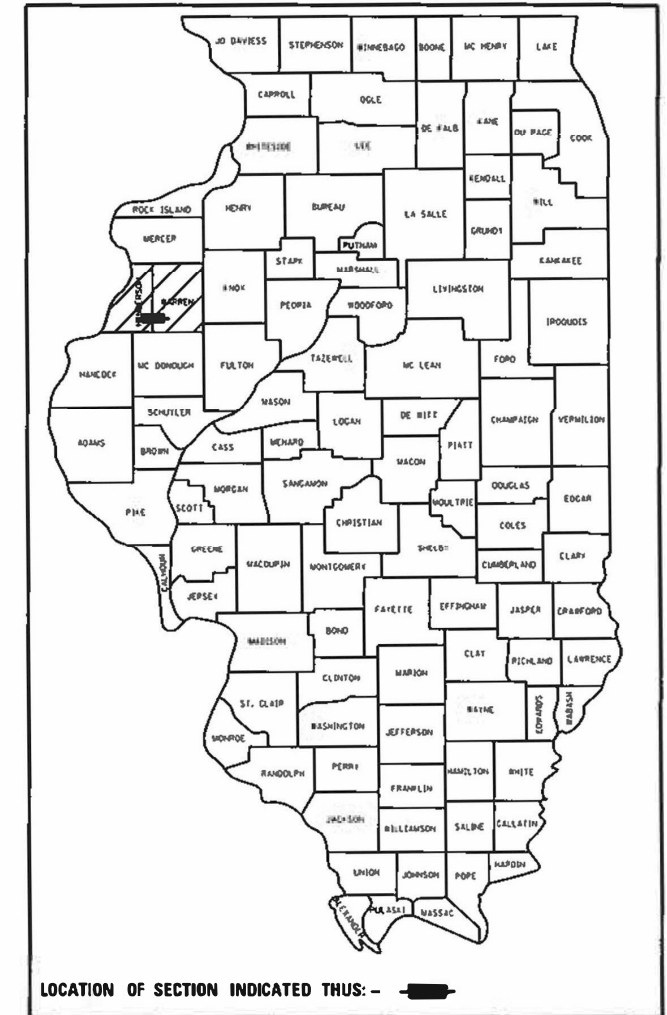
PROPOSED
HIGHWAY PLANS

FAP 665 (IL 116)
SECTION (137,138)RS-5
PROJECT STP - L8JI(793)
PAVEMENT PRESERVATION
HENDERSON & WARREN COUNTIES
C-94-054-21



F.A.P. RTEE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
665	137,138RS-5	Henderson Warren	13	1
ILLINOIS			CONTRACT NO. 68G33	

D-94-035-21



DESCRIPTION OF WORK

CHIP SEAL A-1 AND FOG COAT ON IL 116 FROM 950 N NEAR MEDIA TO US 67

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Jan 20 2022
Kenneth A. Barnett KSD
REGIONAL ENGINEER

March 25 2022
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

March 2 2022
Stephen M. Smith
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made.

NO COMMITMENTS HAVE BEEN MADE ON THIS PROJECT

GENERAL NOTES:

CONSECUTIVE SIDE STREET (ROAD) CLOSURE – PROHIBITED

1. No two consecutive side streets (roads) may be closed at the same time during construction. The Contractor must alternate streets (roads).
2. Adjacent sideroads will not be closed simultaneously. BLR Standard 21 shall be used for all local road closures without any entrances within the closed area. BLR Standard 22 can be used where it is necessary to allow local traffic access.

NO PASSING ZONE VERIFICATION

The resident shall contact Operations to verify the location of no passing zones prior to placement of centerline striping.

JOB SPECIFIC NOTES:

STATIONING

THE EXISTING ROADWAY STATIONS SHALL BE COVERED PRIOR TO THE PREVENTIVE MAINTENANCE TREATMENT OR FOG SEAL APPLICATIONS. THE COVER SHALL BE REMOVED AFTER WORK IS COMPLETED. THIS WORK SHALL BE INCLUDED IN THE COST OF THE SURFACE TREATMENT SHOWN ON THE PLANS.

PAINT PAVEMENT MARKING

TWO APPLICATIONS SHALL BE APPLIED. THE FIRST APPLICATION SHALL BE APPLIED AFTER THE PROPOSED TREATMENT CURING TIME AS SPECIFIED IN THE STANDARD SPECIFICATIONS. THE SECOND APPLICATION SHALL BE APPLIED THIRTY (30) DAYS AFTER THE FIRST APPLICATION IS APPLIED.

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USER NAME : lewisr	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE : 98.5610 / 1 in.	CHECKED -	REVISED -
PLOT DATE : 12/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

COMMITMENTS AND GENERAL NOTES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
665	1137.13BMS-5	HENDERSON WARREN	13	2
CONTRACT NO. 68G33				

SCALE: SHEET OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONST. CODE	
				HENDERSON COUNTY	WARREN COUNTY
				20% STATE	20% STATE
				80% FEDERAL	80% FEDERAL
				0005	0005
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100460	TRAFFIC CONTROL AND PROTECTION. STANDARD 701306	L SUM	1	0.5	0.5
70102625	CHANGEABLE MESSAGE SIGN	CAL DA	14	7	7
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	272214	128088	144126
X0300010	BITUMINOUS MATERIALS (FOG SEAL)	POUND	40787	20870	19917
X1500004	BITUMINOUS SURFACE TREATMENT. A1	SO YD	141648	67187	74461
X7810400	TEMPORARY RAISED PAVEMENT MARKER	EACH	2606	1232	1374

* = SPECIALTY ITEM

USER NAME * lewis	DESIGNED -	REVISED -
PLOT SCALE * 98.5553 1/4 in.	DRAWN -	REVISED -
PLOT DATE * 1/27/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE. 665	SECTION (137.138RS-5)	COUNTY HENDERSON	TOTAL SHEETS 13	SHEET NO. 3
CONTRACT NO. 68G33				
ILLINOIS/FED. AID PROJECT				

PAINT PAVEMENT MARKING -LINE 4"						
	SOLID - WHITE		SOLID - YELLOW		SKIP DASH - YELLOW	
	EB	WB	EB	WB	EB	WB
HENDERSON COUNTY	FT		FT		FT	
STA. 223+07 TO STA. 234+19	1056	1056	1056	1056		
STA. 234+19 TO STA. 239+47	528	528		528	132	
STA. 239+47 TO STA. 429+47	19008	19008			4752	
STA. 429+47 TO STA. 440+03	1056	1056	1056			264
STA. 440+03 TO STA. 469+80	2976	2976	2976	2976		
HENDERSON COUNTY SUB - TOTAL	49248		9648		5148	
	64044					
HENDERSON COUNTY TWO APPLICATION TOTAL	128088					
STA. 469+80 TO STA. 471+71	191	191	191	191		
STA. 471+71 TO STA. 482+27	1056	1056		1056	264	
STA. 482+27 TO STA. 548+27	6600	6600			1650	
STA. 548+27 TO STA. 561+47	1320	1320				330
STA. 561+47 TO STA. 566+75	528	528	528	528		
STA. 566+75 TO STA. 577+31	1056	1056		1056	264	
STA. 577+31 TO STA. 585+23	792	792	792			198
STA. 585+23 TO STA. 590+51	528	528	528	528		
STA. 590+51 TO STA. 598+43	792	792		792	198	
STA. 598+43 TO STA. 619+55	2112	2112			528	
STA. 619+55 TO STA. 630+11	1056	1056				264
STA. 630+11 TO STA. 638+03	792	792	792	792		
STA. 638+03 TO STA. 645+95	792	792		792	198	
STA. 645+95 TO STA. 709+31	6336	6336			1584	
STA. 709+31 TO STA. 719+87	1056	1056	1056			264
STA. 719+87 TO STA. 727+79	792	792		792	198	
STA. 727+79 TO STA. 740+99	1320	1320			330	
STA. 740+99 TO STA. 744+57	351	351	351			88
WARREN COUNTY SUB - TOTAL	54940		10765		6358	
	72063					
WARREN COUNTY TWO APPLICATION TOTAL	144126					
GRAND TOTAL	272214					

TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	
LOCATION	EACH
HENDERSON COUNTY	
STA. 223+07 TO STA. 369+15.58 BK	728.00
STA. 369+07.76 TO STA. 469+80	504.00
HENDERSON COUNTY SUB-TOTAL	1232
WARREN COUNTY	
STA. 469+80 TO STA. 744+57	1,374.00
WARREN COUNTY SUB-TOTAL	1,374
TOTAL	2,606

CHANGEABLE MESSAGE SIGN	
	CAL DA
2 SIGN @ 7 DAYS EACH	
HENDERSON COUNTY	7
WARREN COUNTY	7
TOTAL	14

TRAFFIC CONTROL AND PROT STAD 701306	
JOBSITE	EACH
HENDERSON COUNTY	0.5
WARREN COUNTY	0.5
TOTAL	1

MOBILIZATION	
LOACTION	L. SUM
HENDERSON COUNTY	0.5
WARREN COUNTY	0.5
TOTAL:	1

TO MEDIA

IMPROVEMENT BEGINS STA. 223+07
SMITHSHIRE RD.
STA. 224+64.41



250+00

850 N.
STA. 286+37.76

300+00

750 N.
STA. 339+38.27

STA. 11+23=361+37
IMPROVEMENT ENDS

RARITON ROAD SOUTH

STA. 1+54
IMPROVEMENT ENDS

STATION EQUATION
369+15.58 BK = 369+07.76 AH

2000 E.
STA. 416+23.28

HENDERSON COUNTY
WARREN COUNTY
--- STA. 469+80 ---

5TH STREET
STA. 496+33.04

10TH STREET
STA. 522+80.56

15TH STREET
STA. 549+24.51



22ND STREET
STA. 589+15.07

26TH STREET
STA. 604+85.54

30TH STREET
STA. 629+10.64

40TH STREET
STA. 682+51.03

50TH STREET
STA. 735+19.02

BRIDGE OMISSION

S.N. 094-0044 OVER ELLISON CREEK
STA. 577+19 TO STA. 578+43

IMPROVEMENT ENDS STA. 744+57

TO ROSEVILLE

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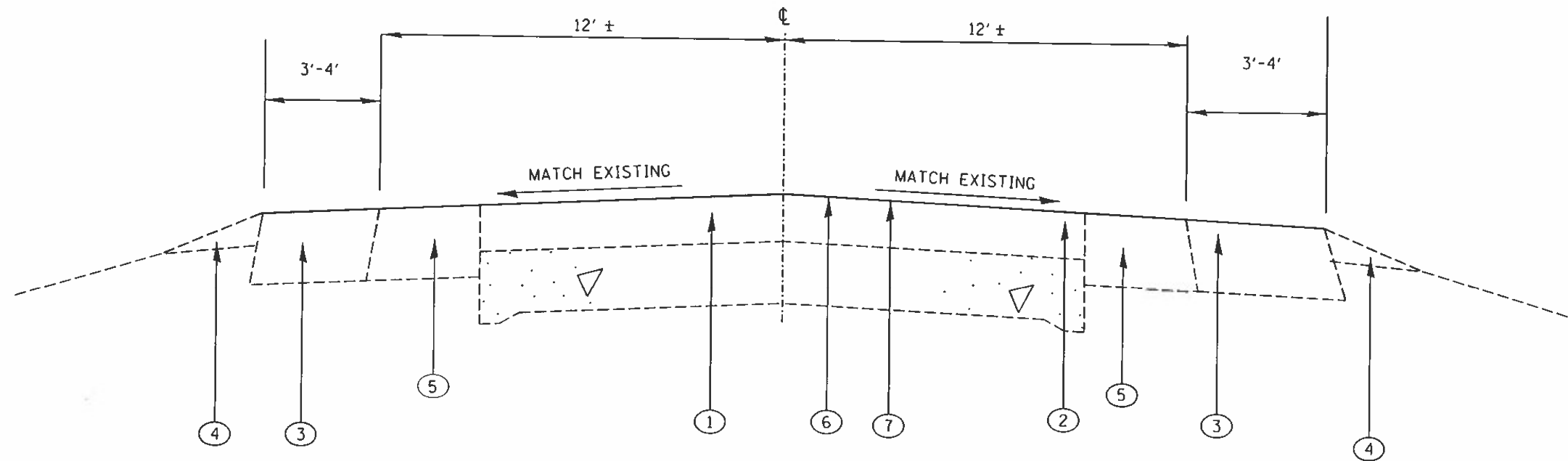
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 116 LINE DIAGRAM

NOT TO SCALE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
665	1137,138RS-5	HENDERSON/WARREN	13	6
CONTRACT NO. 68G33				

ILLINOIS FED. AID PROJECT

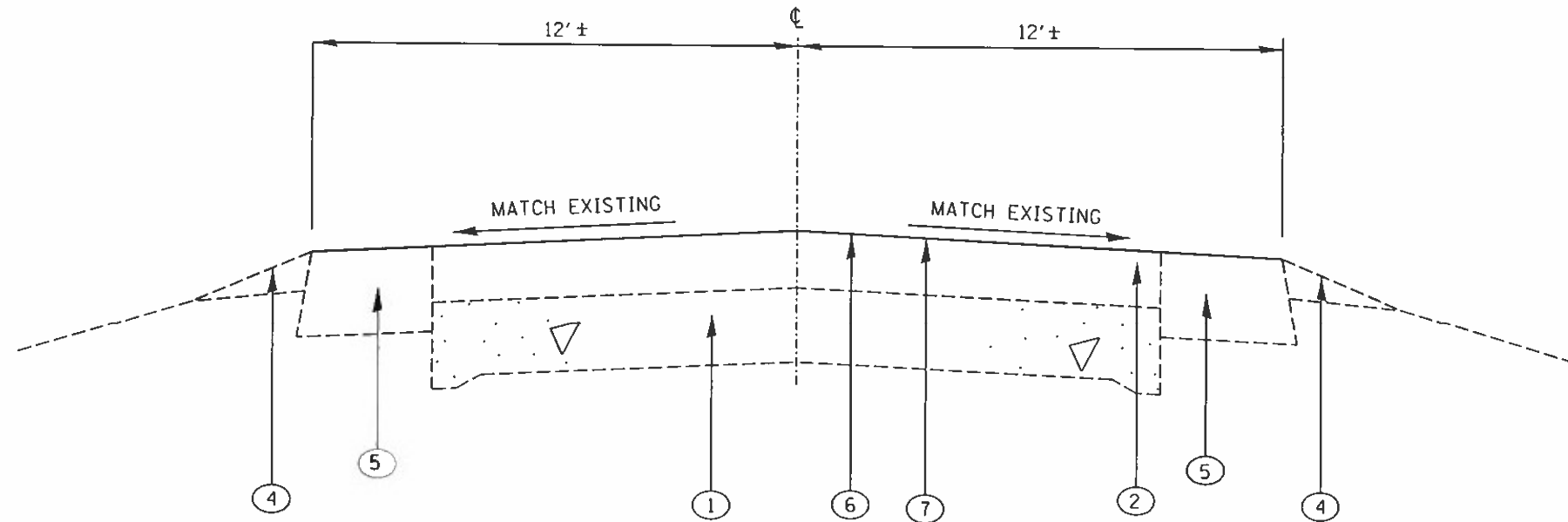


STA. 223+07 - 235+06
 STA. 362+00 - 369+15.58(BK)
 STA. 369+07.76(AH) - 370+00
 STA. 455+29 - 474+01
 STA. 566+39 - 571+15
 STA. 580+20 - 586+61

LEGEND

1. EXIST. PCC PAVEMENT (9-6-9)
2. EXIST. HMA OVERLAY
3. EXIST. HMA SHOULDER
4. EXIST. AGG SHOULDER
5. EXIST. HMA BASE CSE WIDENING
6. PROPOSED BITUMINOUS SURFACE TREATMENT A1
7. PROPOSED BITUMINOUS MATERIALS (FOG SEAL)

FILE NAME *	USER NAME * Lewis	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Default	CHECKED -	REVISED -						665	1137.138RS-5	HENDERSON WARREN	13	7
		DATE -	REVISED -		NOT TO SCALE	SHEET 3	OF 8 SHEETS	STA.	TO STA.	CONTRACT NO. 68G33			
					ILLINOIS FED. AID PROJECT								

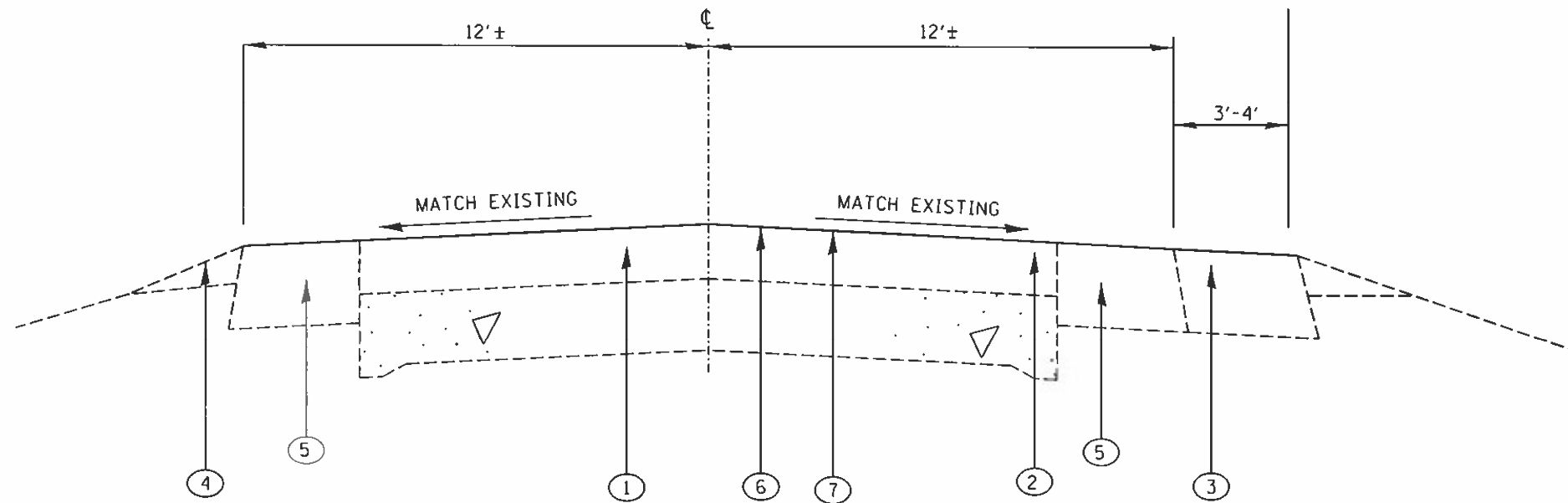


STA. 235+06 - 358+60
 STA. 370+00 - 452+73
 STA. 474+01 - 493+55
 STA. 495+52 - 566+01
 STA. 586+61 - 629+45
 STA. 631+73 - 744+57

LEGEND

1. EXIST. PCC PAVEMENT (9-6-9)
2. EXIST. HMA OVERLAY
3. EXIST. HMA SHOULDER
4. EXIST. AGG SHOULDER
5. EXIST. HMA BASE CSE WIDENING
6. PROPOSED BITUMINOUS SURFACE TREATMENT A1
7. PROPOSED BITUMINOUS MATERIALS (FOG SEAL)

FILE NAME *	USER NAME * lewisr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLT DATE * 1/21/2022	DATE -	REVISED -		NOT TO SCALE	SHEET 3	OF 8	SHEETS	STA. TO STA.	CONTRACT NO. 68G33		
ILLINOIS FED. AID PROJECT												

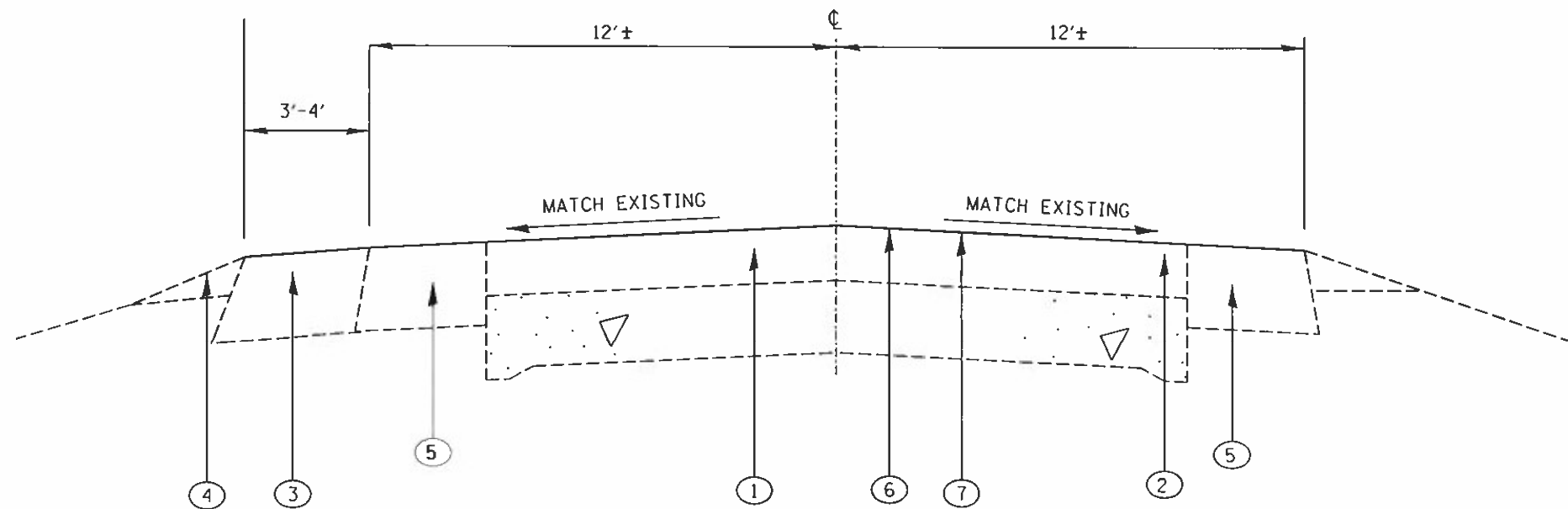


STA. 566+01 - 566+39
 STA. 571+15 - 574+47
 STA. 579+76 - 580+20
 STA. 629+45 - 631+73

LEGEND

1. EXIST. PCC PAVEMENT (9-6-9)
2. EXIST. HMA OVERLAY
3. EXIST. HMA SHOULDER
4. EXIST. AGG SHOULDER
5. EXIST. HMA BASE CSE WIDENING
6. PROPOSED BITUMINOUS SURFACE TREATMENT A1
7. PROPOSED BITUMINOUS MATERIALS (FOG SEAL)

FILE NAME *	USER NAME * lewisr	DESIGNED =	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT DATE * 12/10/2021	DATE =	REVISED =		NOT TO SCALE	SHEET 3	OF 8 SHEETS	STA.	TO STA.	CONTRACT NO. 68C33	



STA. 358+60 - 362+00
 STA. 452+73 - 455+29
 STA. 493+55 - 495+52

LEGEND

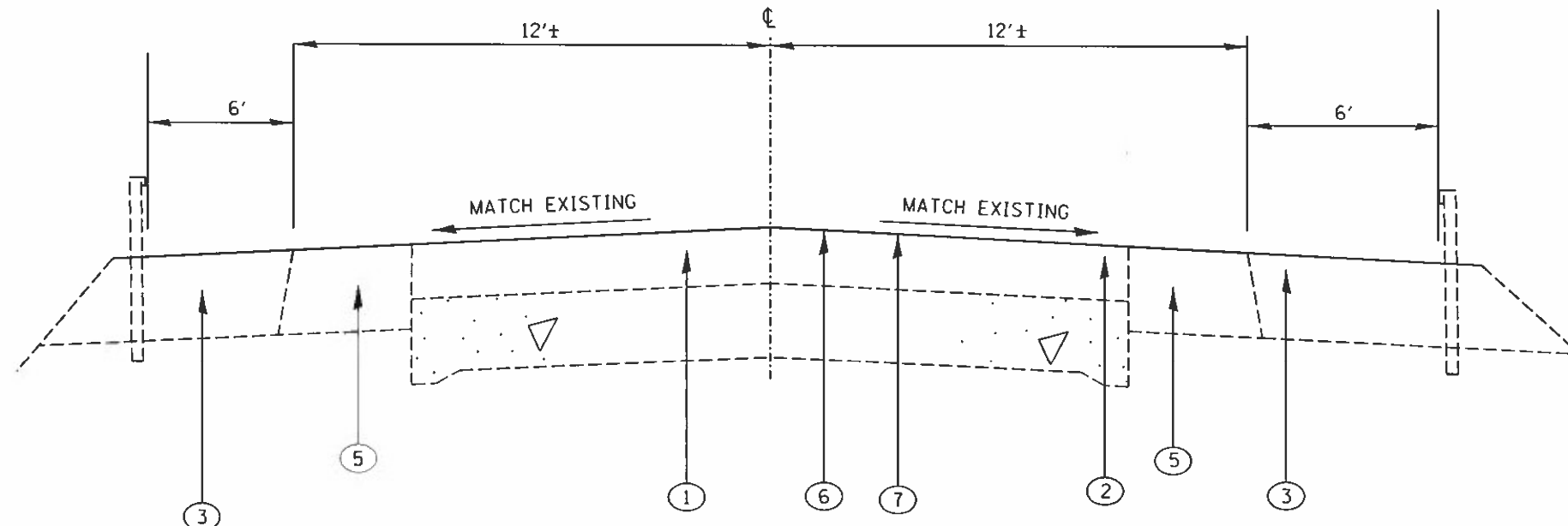
- 1. EXIST. PCC PAVEMENT (9-6-9)
- 2. EXIST. HMA OVERLAY
- 3. EXIST. HMA SHOULDER
- 4. EXIST. AGG SHOULDER
- 5. EXIST. HMA BASE CSE WIDENING
- 6. PROPOSED BITUMINOUS SURFACE TREATMENT A1
- 7. PROPOSED BITUMINOUS MATERIALS (FOG SEAL)

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

FILE NAME *	USER NAME * lewisar	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT DATE * 12/10/2021	DATE -	REVISED -			CONTRACT NO. 68033		ILLINOIS FED. AID PROJECT		

NOT TO SCALE SHEET 3 OF 8 SHEETS STA. TO STA.

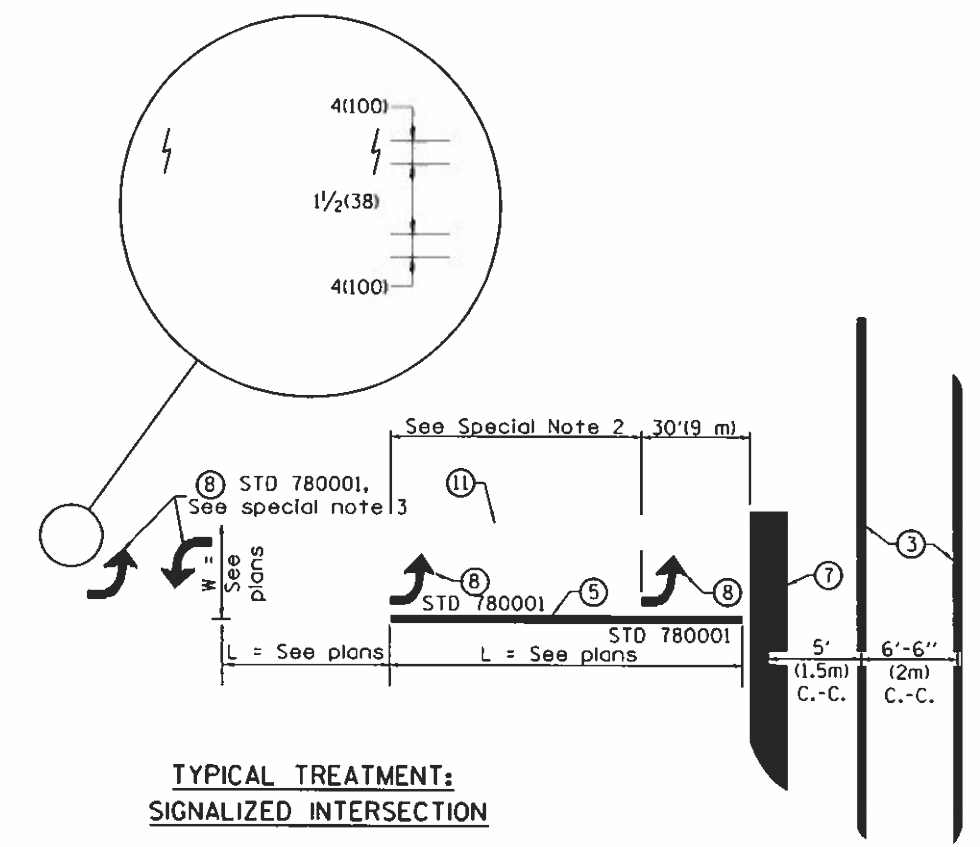
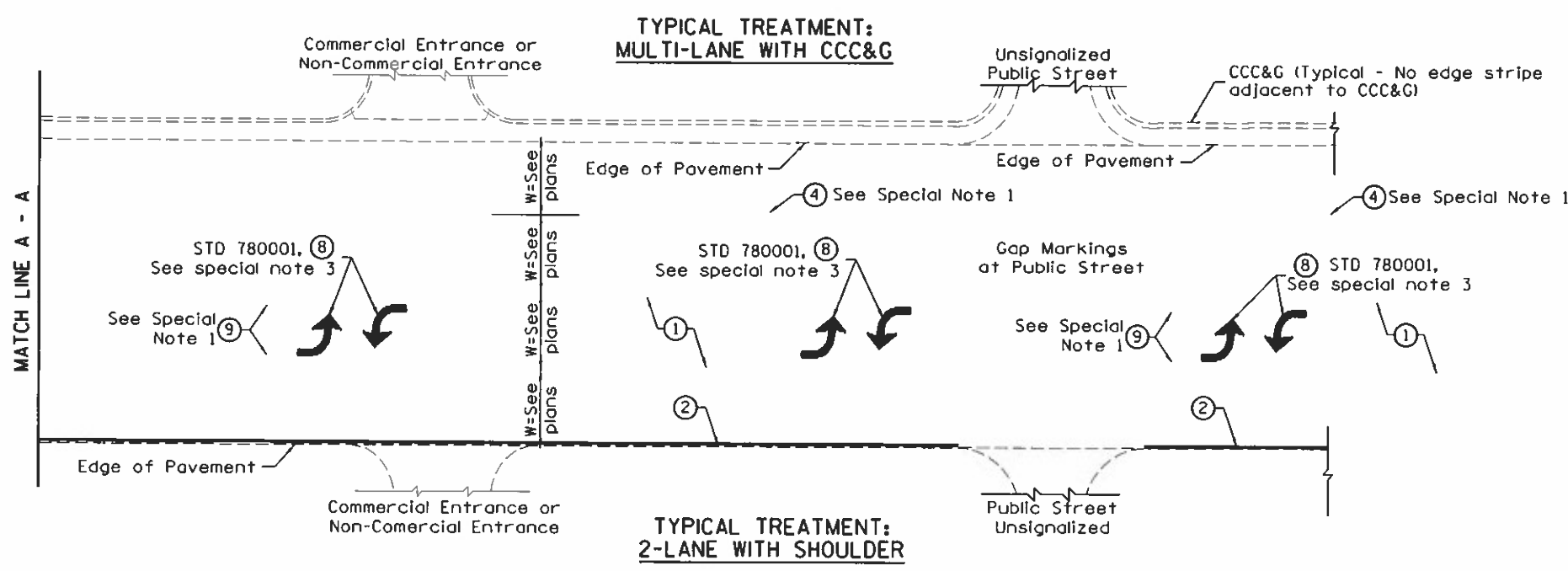


STA. 574+47 TO 577+18.77
 BRIDGE OMISSION 577+18.77 TO 578+42.45
 STA. 578+42.45 TO 579+76

LEGEND

1. EXIST. PCC PAVEMENT (9-6-9)
2. EXIST. HMA OVERLAY
3. EXIST. HMA SHOULDER
4. EXIST. AGG SHOULDER
5. EXIST. HMA BASE CSE WIDENING
6. PROPOSED BITUMINOUS SURFACE TREATMENT A1
7. PROPOSED BITUMINOUS MATERIALS (FOG SEAL)

FILE NAME =	USER NAME = lewisr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\dot\p\...bentley.com\PM1007\Documents	\1007 Offices\District 4\Projects\04.68\33	CRAWNCAD\sheet\04xxxx-ah1-cover.dgn	REVISED -				665	(137.138)RS-5	HENDERSON ROAD	13	11
Default	PLOT SCALE = 100.0062 1/4 in.	CHECKED -	REVISED -		NOT TO SCALE SHEET 3 OF 8 SHEETS STA. TO STA.		CONTRACT NO. 68C33		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 12/10/2021	DATE -	REVISED -								



FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) 45°
- ⑪ 4(100) Double Solid (Yellow) 11(280) C.-C. See Table A

SPECIAL NOTES

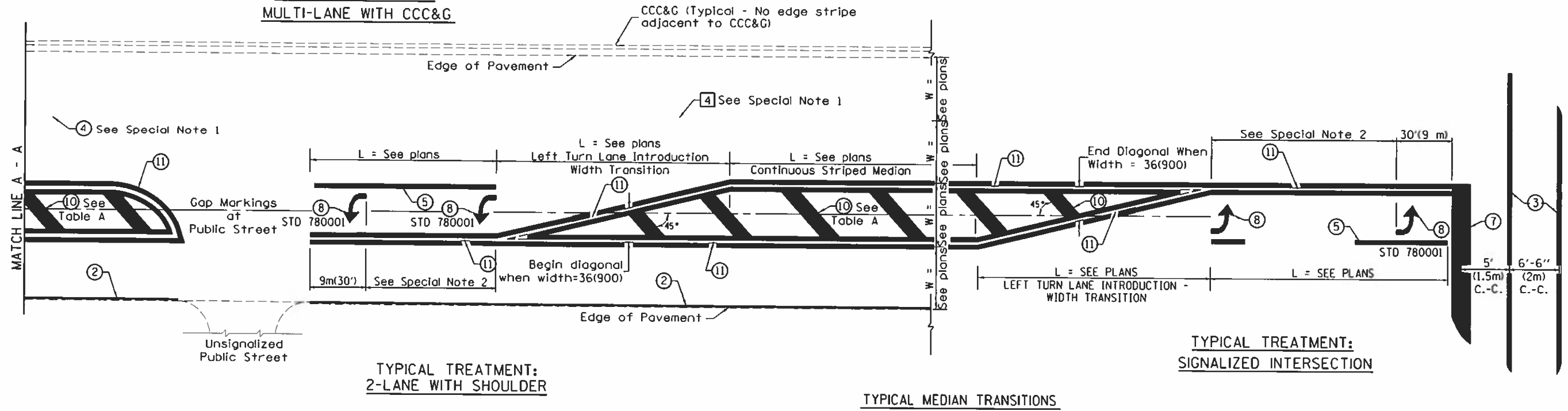
1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
 - A. A minimum of two (2) arrows is required.
 - B. The maximum spacing between arrows is 80' (24 m).
 - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
 - A. A minimum of two (2) arrow pairs is required.
 - B. The maximum spacing between arrow pairs is 200' (61 m).
 - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
 - D. The spacing between BI Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL PAVEMENT MARKINGS	NOT TO SCALE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.						665	(137.138)RS-5	HEWLETT-WARREN	13	12
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.										
08-02	ADD CROSSWALK DIMS. WITH T.S.	M.A.										
								SHT. 1 OF 2 CADD STD. 780001-D4		CONTRACT NO. 68G33		

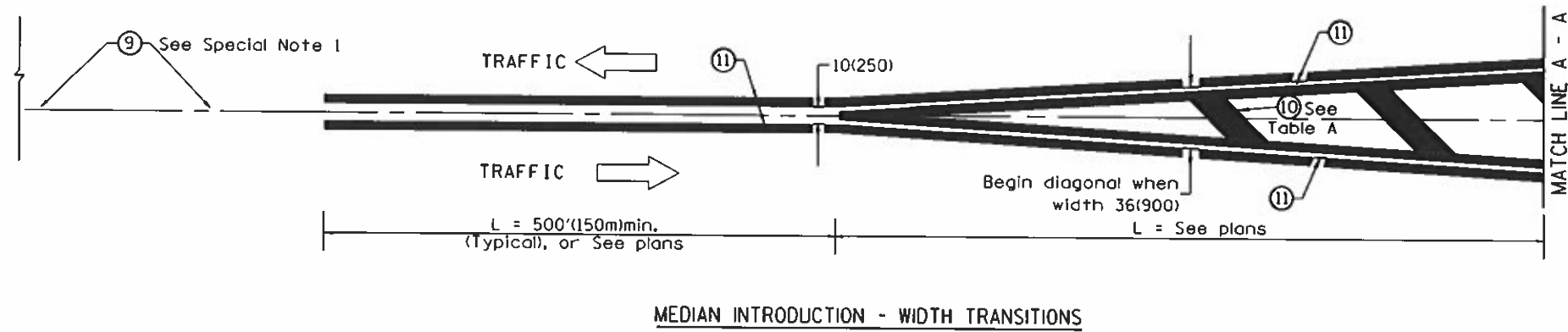
**TYPICAL TREATMENT:
MULTI-LANE WITH CCC&G**



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

**TABLE A
RECOMMENDED SPACING BETWEEN DIAGONAL LINES**

SPEED LIMIT RANGE	CONTINUOUS	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
		5'	6'-6"
Less Than 30 mph (50 km/h)	50' (15m)	5'	6'-6"
30 - 45 mph (50 - 70 km/h)	75' (23m)	5'	6'-6"
Over 45 mph (70 km/h)	150' (46m)	5'	6'-6"



All dimensions are in inches (millimeters) unless otherwise noted.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT MARKINGS

NOT TO SCALE

SHT. 2 OF 2
CADD STD. 780001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
665	1137,138RS-5	HENDERSON WARREN	13	13
CONTRACT NO. 68G33				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			