

044

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315/407	55[1,2]RS	MCDONOUGH	11	1
FED. ROAD DIST. NO. 4	BLDPTS	CONTRACT NO. 68F25		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

INDEX OF SHEETS:

- 1 COVER SHEET
- 2 COMMITMENTS AND JOB SPECIFIC NOTES
- 3-4 SUMMARY OF QUANTITIES
- 5-6 SCHEDULE OF QUANTITIES
- 7 LINE DIAGRAM
- 8-9 TYPICAL SECTIONS
- 10-11 DISTRICT STANDARDS

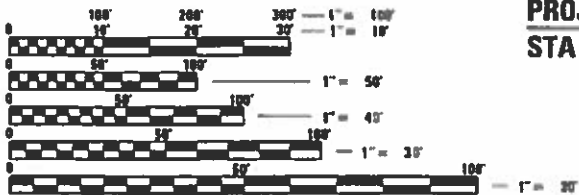
HIGHWAY STANDARDS

- 701400-09
- 701406-12
- 701411-09
- 701426-09
- 701901-08
- 780001-05
- 781001-04

DISTRICT STANDARDS

780001-D4

ADT: 3,460 (2017)
 HCV: 656 (18.96%)
 SU: 261 (7.54%)
 MU: 395 (11.42%)



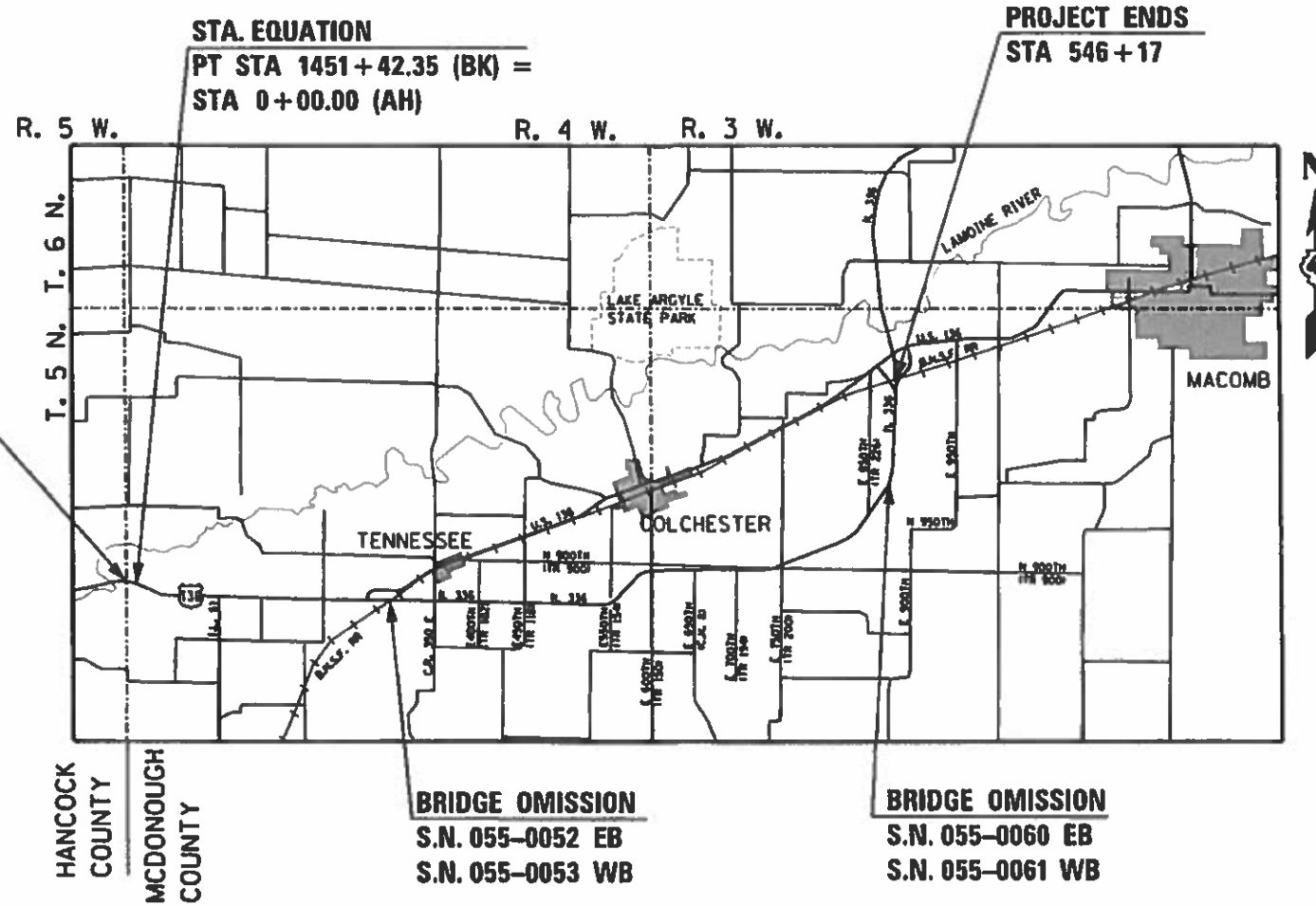
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-832-0123
 OR 811

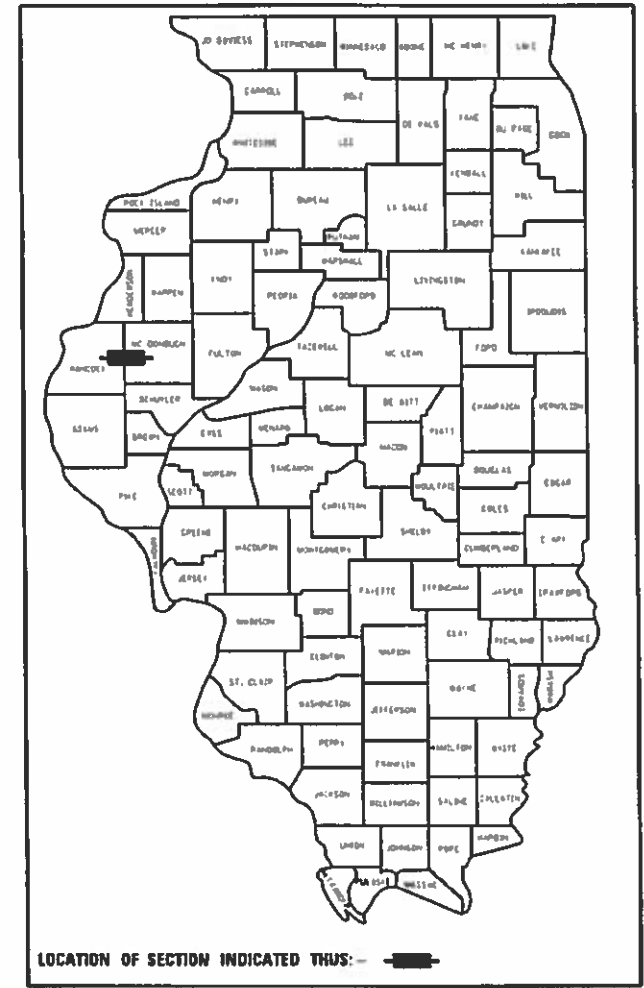
PROJECT ENGINEER: RICHARD DOTSON (309) 671-3455
 PROJECT MANAGER: MICHAEL JACOBS (309) 671-3460

CATALOG NO. 035854-00D
 CONTRACT NO. 68F25

F.A.P. ROUTE 315/407 (IL 336/L 110/US 136)
SECTION 55[1,2]RS
PROJECT NHPP-DDCU(209)
PAVEMENT PRESERVATION
MCDONOUGH COUNTY
C-94-022-20



D-94-015-20



PROJECT DESCRIPTION:
 THE PROPOSED IMPROVEMENT CONSISTS OF MICROSURFACING (1 PASS) ON US 136/L 336 FROM HANCOCK CO LINE TO IL 336; AND (1 PASS) ON IL 110/L 336 FROM US 136 (W) TO 0.5 MILES S OF US 136, W OF MACOMB

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED Jan 31 20 20
Ronald A Barnett RSD
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 20 20 20
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

March 20 20 20
[Signature]
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 3

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OF THE STATE OF ILLINOIS

GROSS LENGTH OF IMPROVEMENT = 55,479.35 FEET = 10.51 MILES
 NET LENGTH OF IMPROVEMENT = 54,891.35 FEET = 10.40 MILES

COMMITMENTS:

NO COMMITMENTS HAVE BEEN MADE FOR THIS PROJECT.

JOB SPECIFIC NOTES:

SURFACE TESTS APPLICATION

SMOOTHNESS TESTS ON THE COMPLETED SURFACE WILL NOT BE REQUIRED; BUT THE ENGINEER RESERVES THE RIGHT TO REQUIRE CORRECTIVE MEASURES WHEN OBVIOUS SURFACE VARIATIONS ARE PRESENT.

STATIONING

THE EXISTING ROADWAY STATIONS SHALL BE COVERED PRIOR TO THE MICRO-SURFACING APPLICATION. THE COVER SHALL BE REMOVED AFTER WORK IS COMPLETED. THIS WORK SHALL BE INCLUDED IN THE COST OF THE "TRAFFIC CONTROL AND PROTECTION STANDARD 701406"

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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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

COMMITMENTS & JOB SPECIFIC NOTES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315/407	55[1,2]R5	MCDONOUGH	11	2
CONTRACT NO. 68F25				
ILLINOIS FED. AID PROJECT				

CONST. CODE
MCDONOUGH
COUNTY
80% FEDERAL
20% STATE
0005

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
40400001	FIBER-MODIFIED ASPHALT CRACK SEALING	FOOT	330000	330000
40400020	BUMP REMOVAL	EACH	20	20
40400118	MICRO-SURFACING, SINGLE PASS	SQ YD	304952	304952
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	68614	68614
67100100	MOBILIZATION	L SUM	1	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2	2
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	10	10
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	19761	19761
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	8418	8418
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	439132	439132
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	54892	54892
* 78001140	PAINT PAVEMENT MARKING - LINE 8"	FOOT	20056	20056
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1372	1372

*= SPECIALTY ITEM

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PLOT DATE = 1/31/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315/407	55(1,2)R5	MCDONOUGH	11	3
CONTRACT NO. 68F25			ILLINOIS FED. AID PROJECT	

MICRO-SURFACING, SINGLE PASS			
LOCATION	LENGTH	WIDTH	AREA
	FT	FT	SQ YD
EBL			
STA. 1442+80 TO STA. 1451+42.3	862.35	25	2,395
STA. EQUATION - STA. 1451+42.35 (BK) = STA. 0+00 (AH)			
STA. 0+00 TO STA. 152+32	15,232	25	42,311
BRIDGE OMISSION			
STA. 155+73 TO STA. 493+32	33,759	25	93,775
BRIDGE OMISSION			
STA. 495+79 TO STA. 546+17	5,038	25	13,994
WBL			
STA. 1442+80 TO STA. 1451+42.3	862.35	25	2,395
STA. EQUATION - STA. 1451+42.35 (BK) = STA. 0+00 (AH)			
STA. 0+00 TO STA. 153+43	15,343	25	42,619
BRIDGE OMISSION			
STA. 156+84 TO STA. 493+73	33,689	25	93,581
BRIDGE OMISSION			
STA. 496+20 TO STA. 546+17	4,997	25	13,881
TOTAL			304,952

POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)			
LOCATION	LENGTH	WIDTH	POUNDS
	FT	FT	LBS
EBL			
STA. 1442+80 TO STA. 1451+42.3	862.35	25	539
STA. EQUATION - STA. 1451+42.35 (BK) = STA. 0+00 (AH)			
STA. 0+00 TO STA. 152+32	15,232	25	9,520
BRIDGE OMISSION			
STA. 155+73 TO STA. 493+32	33,759	25	21,099
BRIDGE OMISSION			
STA. 495+79 TO STA. 546+17	5,038	25	3,149
WBL			
STA. 1442+80 TO STA. 1451+42.3	862.35	25	539
STA. EQUATION - STA. 1451+42.35 (BK) = STA. 0+00 (AH)			
STA. 0+00 TO STA. 153+43	15,343	25	9,589
BRIDGE OMISSION			
STA. 156+84 TO STA. 493+73	33,689	25	21,056
BRIDGE OMISSION			
STA. 496+20 TO STA. 546+17	4,997	25	3,123
TOTAL			68,614

PAVEMENT MARKING REMOVAL WATER BLASTING	
LOCATION	SQ FT.
EBL & WBL	
STA. 1442+80 TO STA. 546+17	93,957
TOTAL	
	93,957

PAINT PAVEMENT MARKING			
LOCATION	EDGE LINE 4"	CENTER LINE 6"	TURN LANES & ISLANDS BORDER 8"
	FOOT	FOOT	FOOT
EBL & WBL			
STA. 1442+80 TO STA. 546+17	219,566	27,446	10,028
TOTAL**			20,056
** 2 APPLICATIONS.			

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 ILLINOIS STATE DOT
 PROJECT: 68F25
 SHEET: 5

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315/407	55(1,2)R5	MCDONOUGH	11	5
CONTRACT NO. 68F25				
ILLINOIS FED. AID PROJECT				

MOBILIZATION	
LOCATION	LSUM
JOBSITE	
TOTAL	1

TRAFFIC CONTROL AND PROTECTION STANDARD 701406	
LOCATION	LSUM
JOBSITE	
TOTAL	1

TRAFFIC CONTROL AND PROTECTION STANDARD 701411	
LOCATION	EACH
IL 336/US 136 INTERCHANGE	
TOTAL	2

CHANGEABLE MESSAGE SIGN	
	CAL DAY
2 SIGNS @ 5 DAYS EACH	10
TOTAL	10

BUMP REMOVAL	
LOCATION	EACH
STA. 1442+80 TO STA 546+17	
TOTAL	20

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	
LOCATION	EACH
EBL & WBL	
STA. 1442+80 TO STA 546+17	1,372
TOTAL	1,372

SHORT TERM PAVEMENT MARKING REMOVAL		
LOCATION	LENGTH FT	AREA SQ FT
EBL & WBL		
STA. 1442+80 TO STA 546+17	19,761	8,418
TOTAL	19,761	8,418

FIBER-MODIFIED ASPHALT CRACK SEALING	
LOCATION	LENGTH FT
EBL & WBL (CENTER LINE AND EDGE LINES)	
STA. 1442+80 TO STA 546+17	
TOTAL	330,000

RAISED REFLECTIVE PAVEMENT MARKER	
LOCATION	EACH
EBL & WBL	
STA. 1442+80 TO STA 546+17	1,372
TOTAL	1,372

SHORT TERM PAVEMENT MARKING	
LOCATION	LENGTH FT
EBL & WBL	
STA. 1442+80 TO STA 546+17	19,761
TOTAL	19,761

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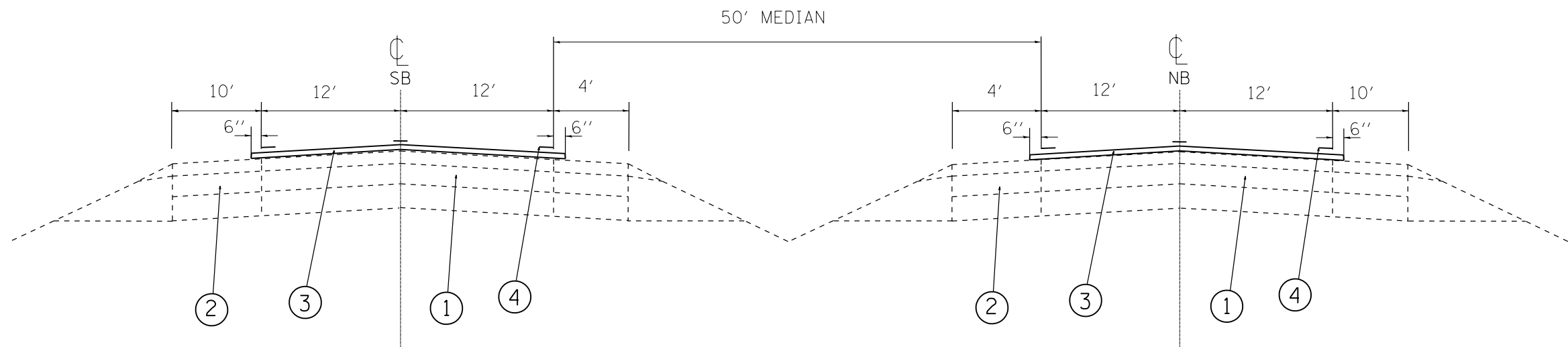
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PLOT DATE = 1/31/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315/407	55(1,2)R5	MCDONOUGH	11	6
				CONTRACT NO. 68F25
				ILLINOIS FED. AID PROJECT



STA. 1442+80 TO STA. 1451+42.35
 STA. 0+00 TO STA. 546+17

LEGEND

- ① EXISTING PAVEMENT & OVERLAYS
- ② EXISTING HMA SHOULDER
- ③ PROPOSED MICROSURFACING
- ④ PROPOSED PAVEMENT MARKING

STATION EQUATION:

STA. 1451+42.35 (BK) = STA. 0+00 (AH)

NOT DRAWN TO SCALE

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 PROJECT: 3151407
 SHEET: 8
 CONTRACT: 68F25
 DATE: 1/31/2020

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PLOT DATE = 1/31/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

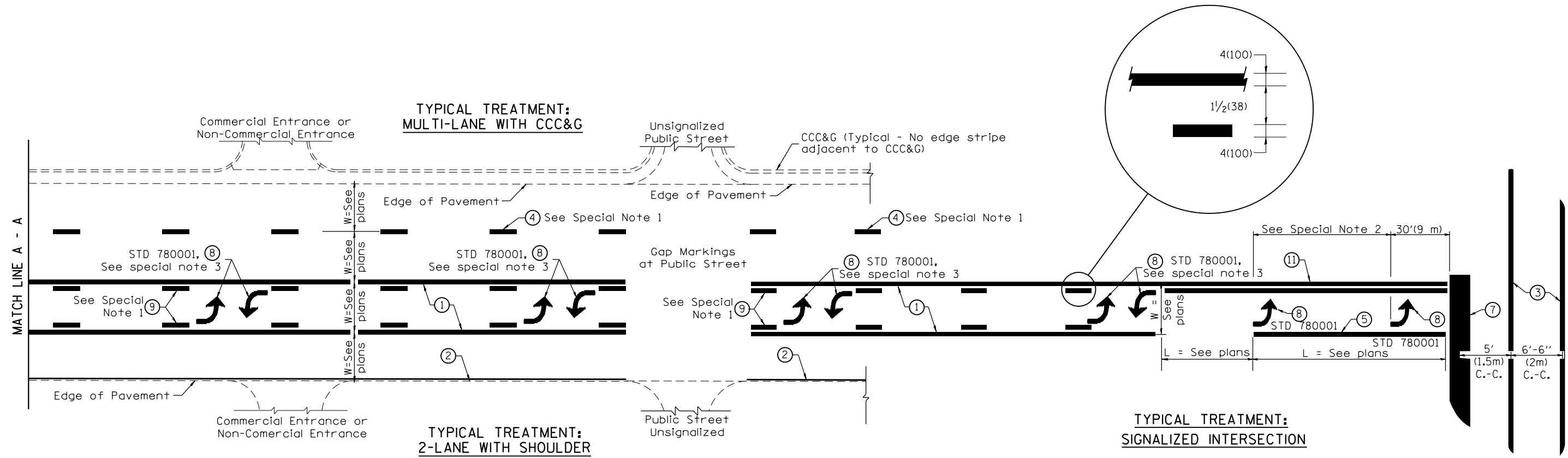
TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315/407	55(1,2)R5	MCDONOUGH	11	8
CONTRACT NO. 68F25				
ILLINOIS FED. AID PROJECT				

DESIGNER NOTES:
1. Include State Standard 780001 (Typical Pavement Markings)

MODEL: Default
FILE: Model_Plan_PavementMarkings.DWG



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)
- ⑪ 4(100) Double Solid (Yellow) (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

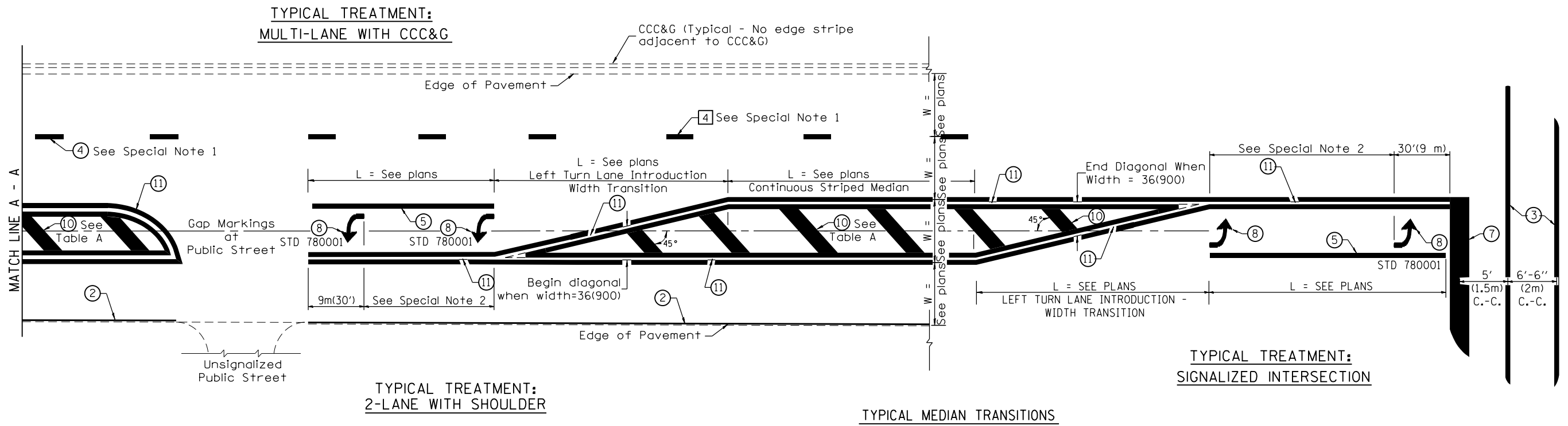
1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. Areas are grooved 1" beyond each edge for the following symbols:
 - Through Arrow= 14.8 sq. ft.
 - Large Left or Right Arrow= 21.9 sq. ft.
 - 2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.
 - Wrong Way Arrow= 29.5 sq. ft.
 - Railroad Crossing Symbol= 69.8 sq. ft.
 (For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL PAVEMENT MARKINGS			
SCALE: NO SCALE	SHEET OF SHEETS	STA. TO STA.	SHT. 1 OF 2 CADD STD. 780001-D4

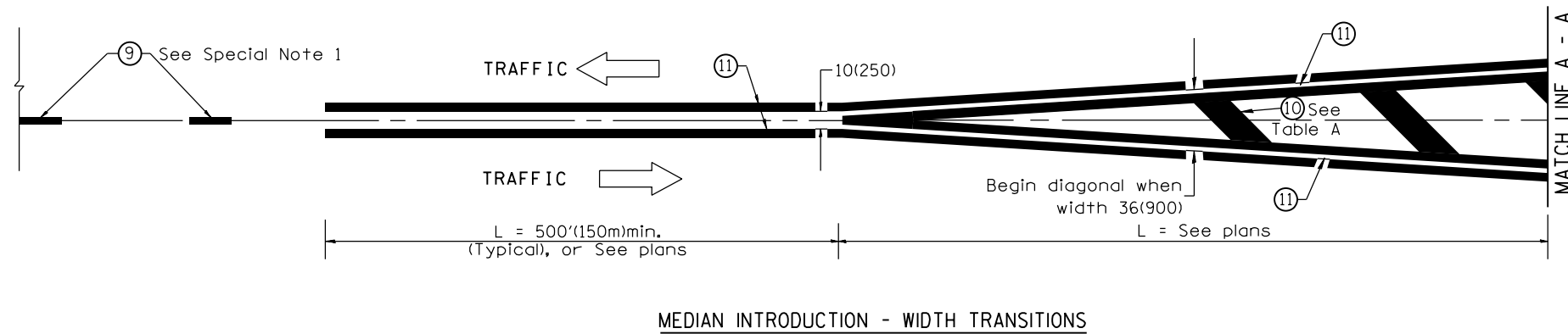
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315/407	55(1,2)R5	MCDONOUGH	11	10
CONTRACT NO. 68F25				
ILLINOIS FED. AID PROJECT				



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT MARKINGS

SCALE: NO SCALE SHEET OF SHEETS STA. TO STA.

SHT. 2 OF 2
CADD STD. 780001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315/407	55(1,2)RS	MCDONOUGH	11	11
CONTRACT NO. 68F25			ILLINOIS FED. AID PROJECT	