

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
310	(41,42)PP,I		8	1

CONTRACT NO. 68E56

D-94-069-18



INDEX OF SHEETS: 01-18-2019 LETTING ITEM 052

- 1 COVER SHEET
- 2 COMMITMENTS AND GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 PROPOSED TYPICAL SECTION
- 5 LINE DIAGRAM
- 6 SCHEDULE OF QUANTITIES
- 7-8 DISTRICT STANDARDS

HIGHWAY STANDARDS:

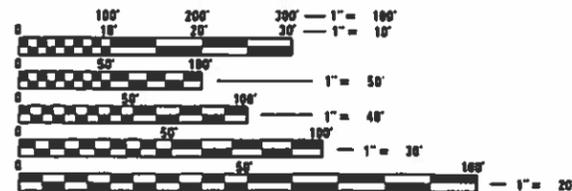
- 701006-05
- 701306-04
- 701311-03
- 701901-08

DISTRICT STANDARDS:

780001-D4

DESIGN DESIGNATION:

CLASS: OTHER ARTERIAL  
 ADT: 2,600 (2017)  
 HCV: 505 (19.42%)  
 SU: 130 (5.00%)  
 MU: 375 (14.42%)



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  
 1-800-892-0123  
 OR 811

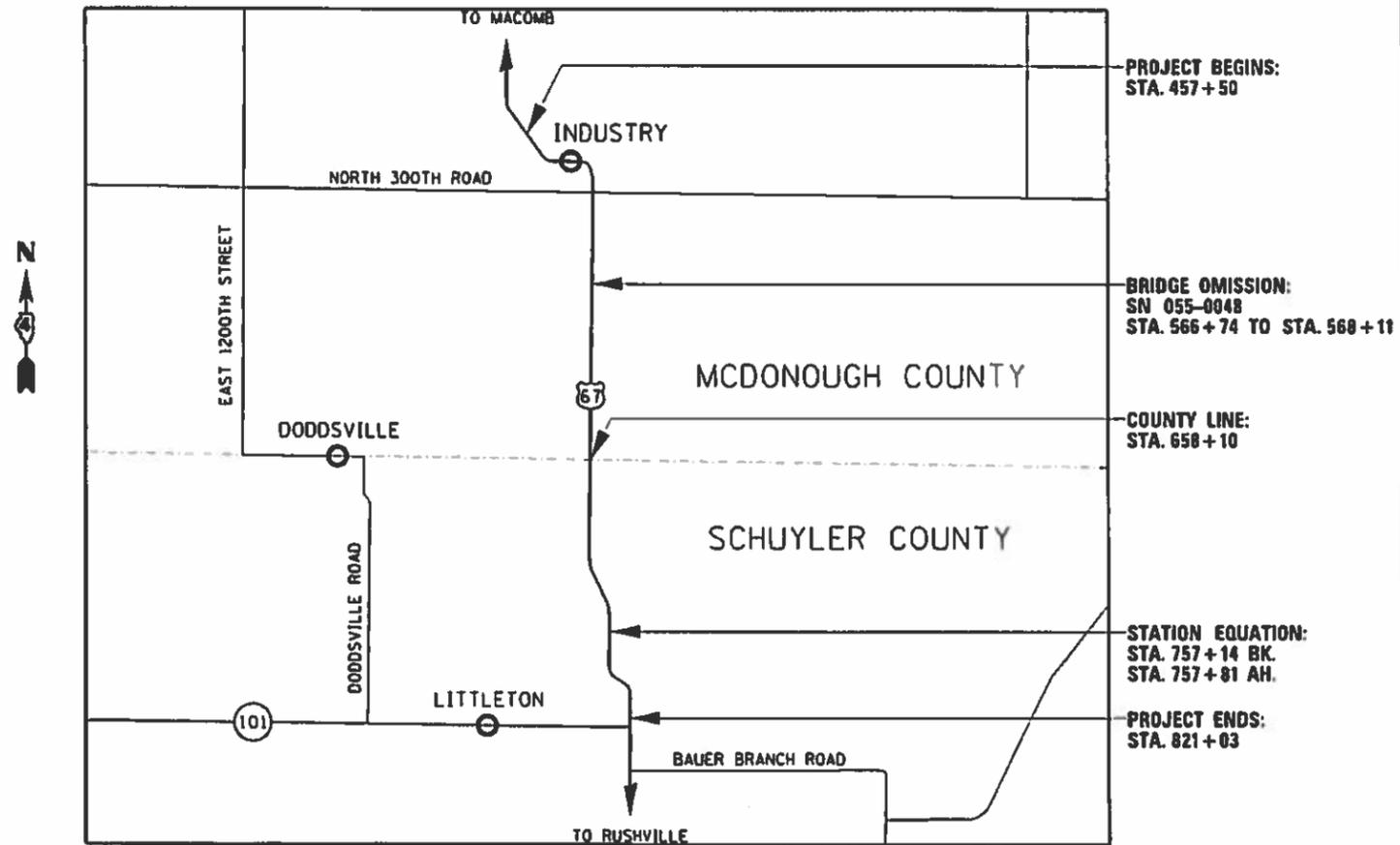
PROJECT ENGINEER: RICH DOTSON (309)671-3455  
 SQUAD LEADER: MIKE JACOBS (309)671-3460  
 PROJECT MANAGER: RAYMOND SAMARA (309)671-3460  
 CATALOG NO. 035649-00D  
 CONTRACT NO. 68E56

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PROPOSED  
 HIGHWAY PLANS

FAP ROUTE 310 (US 67)  
 SECTION (41,42)PP,I  
 CONTRACT MAINTENANCE  
 MCDONOUGH AND SCHUYLER COUNTIES

C-94-094-18



GROSS LENGTH = 36,286 FT. = 6.872 MILE  
 NET LENGTH = 35,149 FT. = 6.846 MILE

PROJECT DESCRIPTION:

INTERMITTENT CENTERLINE JOINT REPAIR AND PARTIAL DEPTH PATCHING ON US 67 FROM NORTH CITY LIMITS OF INDUSTRY IN MCDONOUGH COUNTY TO IL 101 IN SCHUYLER COUNTY

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED October 25 2018  
[Signature]  
 REGION THREE ENGINEER

Dec 7 2018  
[Signature]  
 ENGINEER OF DESIGN AND ENVIRONMENT

Dec 7 2018  
[Signature]  
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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 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 FOR THIS PROJECT**

**ENVIRONMENTAL REVIEWS**

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- \*BDE Form 2289 (Environmental Survey Request)
- \*BDE Form 2290 (Waste/Use Area Review)
- \*A location map showing the size limits and location of the use area
- \*Color photographs depicting the use area
- \*Borrow Area Entry Agreement form-D4 PI0101

Please note that a minimum of four weeks shall be allowed for the District to obtain the required environmental clearances and six weeks for the required borrow site environmental clearances.

**NO PASSING ZONE VERIFICATION**

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

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

Mixture use(s):	Partial Depth Patching and Longitudinal Joint Repair, 3 Inch
AC / PG	PG 64-22
Design Air Voids	4% N=50
Mixture Composition (Mixture Gradation)	IL 9.5
Friction Aggregate	Mix C
Quality Management Program:	QC / QA

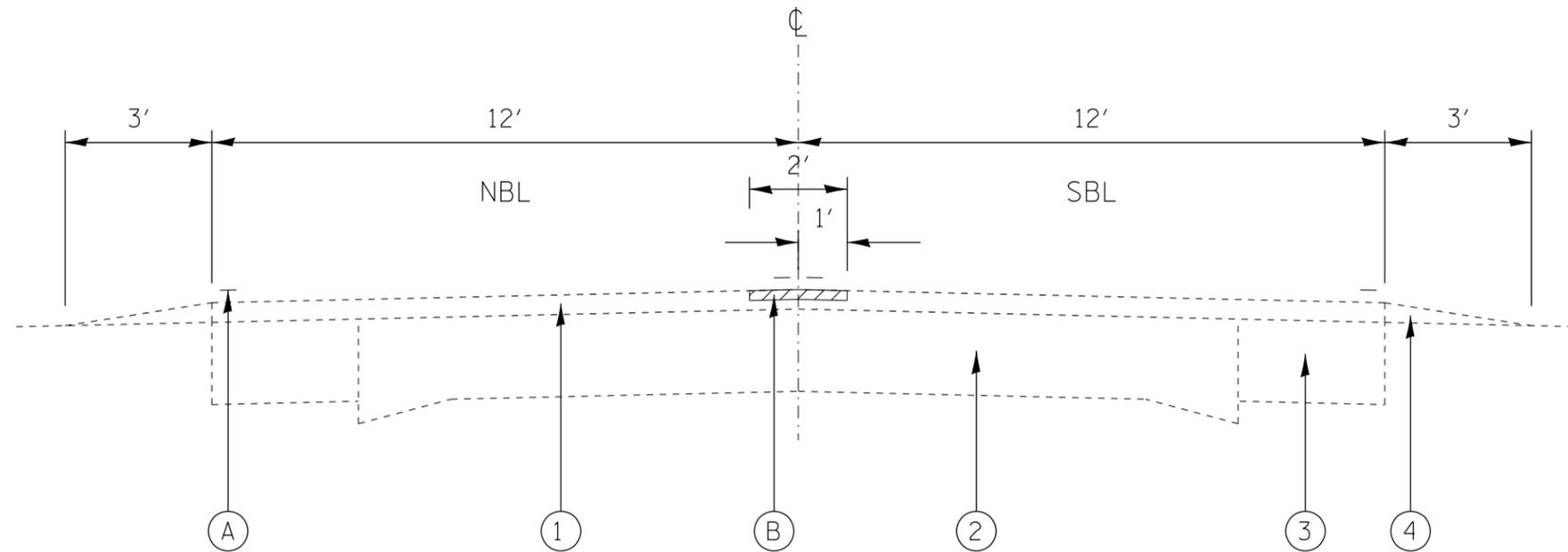
- Note:
- 1) Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal maximum aggregate size, unless otherwise approved by the engineer.
  - 2) For design purposes, mixture weight for all mixes is determined to be 112.0 lb / sy / in, unless otherwise noted.
  - 3) Sublot sizes for PFP and QCP mixes will be 1,000 tons, unless otherwise agreed to by the engineer and the paving contractor.

MODEL: \\MODEL\NAMES  
FILE: \\MODEL\FILES

\* MCDONOUGH AND SCHUYLER COUNTIES

USER NAME = \$USERS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>COMMITMENTS AND GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN -	REVISED -			310	(41,42)PP,I	*	8	2	
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -			CONTRACT NO. 68E56					
PLOT DATE = \$DATES	DATE -	REVISED -			SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.





US 67  
 STA. 457+50 TO STA. 757+14 BK.  
 STA. 757+81 AH. TO STA. 821+03

BRIDGE OMISSION  
 STA. 566+74 TO STA. 568+11

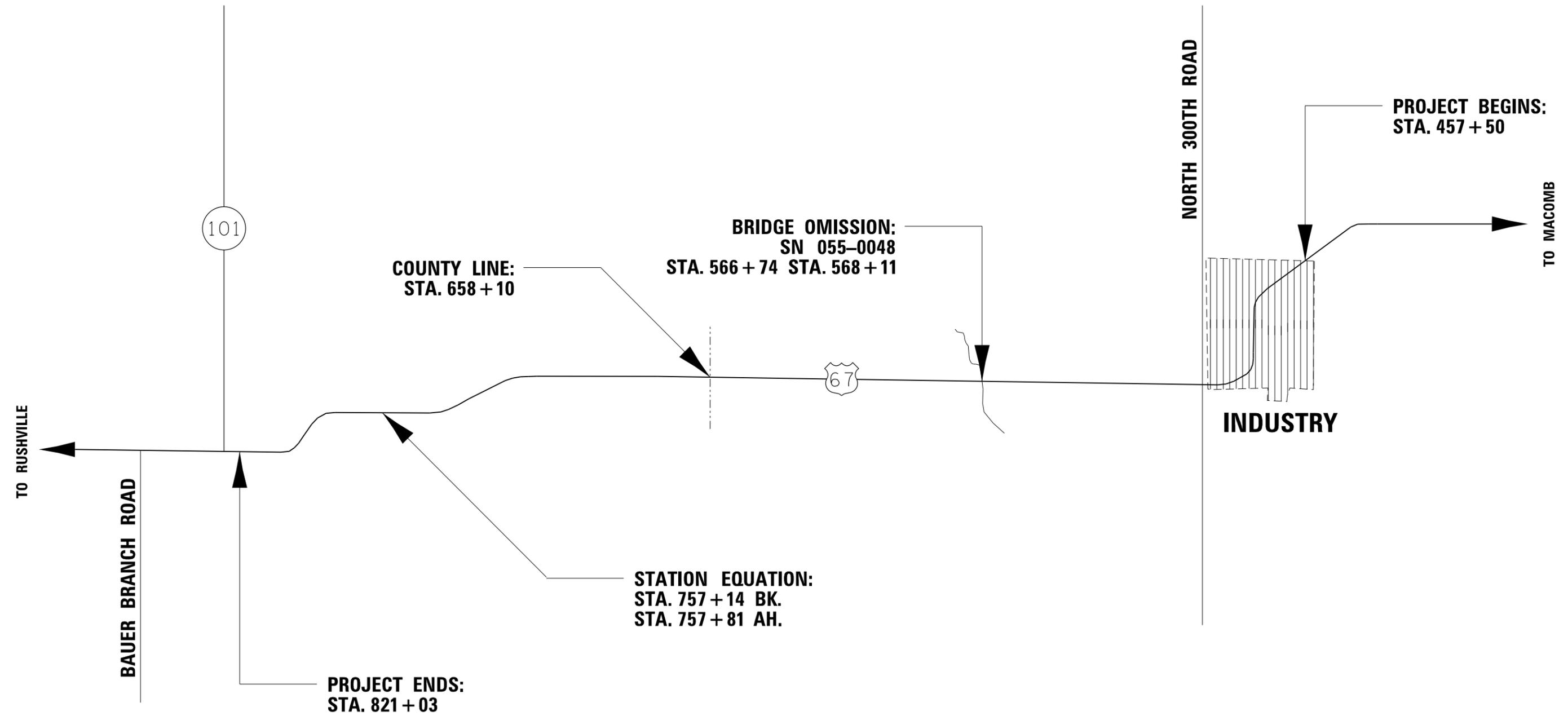
LEGEND:

- ① EXISTING HOT-MIX ASPHALT PAVEMENT
- ② EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
- ③ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING
- ④ EXISTING AGGREGATE SHOULDERS
  
- Ⓐ PROPOSED PAVEMENT MARKING LINE - 4"
- Ⓑ PROPOSED LONGITUDINAL JOINT REPAIR

MODEL: \$MODELNAME\$  
FILE: \$NAME\$. \$FILE\$

\* MCDONOUGH AND SCHUYLER COUNTIES

USER NAME = \$USERS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TYPICAL SECTION</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -					310	(41,42)PP,I	*	8	4
PLOT DATE = \$DATE\$	CHECKED -	REVISED -		SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.			CONTRACT NO. 68E56				
	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



MODEL: \$MODELNAME\$  
FILE NAME: \$FILE\$

\* MCDONOUGH AND SCHUYLER COUNTIES

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LINE DIAGRAM**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(41,42)PP,I	*	8	5
CONTRACT NO. 68E56			ILLINOIS FED. AID PROJECT	

LENGTH	WIDTH	NUMBER OF PATCHES	PARTIAL DEPTH PATCHING (SPECIAL) *	PARTIAL DEPTH PATCHING *
FOOT	FOOT		SQ YD	TON
<b>MCDONOUGH COUNTY</b>				
<b>US 67 SOUTHBOUND</b>				
6	12	10	80.00	13.44
10	3	2	6.67	1.12
<b>SUBTOTAL</b>			<b>87</b>	<b>15</b>
<b>US 67 NORTHBOUND</b>				
6	12	11	88.00	14.78
<b>SUBTOTAL</b>			<b>88</b>	<b>15</b>
<b>MCDONOUGH COUNTY SUBTOTAL</b>			<b>175</b>	<b>30</b>
<b>MCDONOUGH COUNTY WINTER BREAKUP (25%)</b>			<b>44</b>	<b>8</b>
<b>MCDONOUGH COUNTY TOTAL</b>			<b>219</b>	<b>38</b>
<b>SCHUYLER COUNTY</b>				
<b>US 67 SOUTHBOUND</b>				
10	3	12	40.00	6.72
20	3	2	13.33	2.24
30	3	1	10.00	1.68
<b>SUBTOTAL</b>			<b>64</b>	<b>11</b>
<b>US 67 NORTHBOUND</b>				
6	12	1	8.00	1.34
10	3	3	10.00	1.68
30	3	1	10.00	1.68
50	3	2	33.33	5.60
75	3	1	25.00	4.20
100	3	1	33.33	5.60
<b>SUBTOTAL</b>			<b>120</b>	<b>21</b>
<b>SCHUYLER COUNTY SUBTOTAL</b>			<b>184</b>	<b>32</b>
<b>SCHUYLER COUNTY WINTER BREAKUP (25%)</b>			<b>46</b>	<b>8</b>
<b>SCHUYLER COUNTY TOTAL</b>			<b>230</b>	<b>40</b>
<b>GRAND TOTAL</b>			<b>449</b>	<b>78</b>

\* FINAL LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER

<b>MOBILIZATION</b>	
COUNTY	L SUM
MCDONOUGH	0.5
SCHUYLER	0.5
<b>TOTAL</b>	<b>1</b>

<b>LONGITUDINAL JOINT REPAIR *</b>	
LOCATION	FOOT
<b>MCDONOUGH COUNTY</b>	
SUBTOTAL	2000
WINTER BREAKUP (25%)	500
<b>TOTAL</b>	<b>2500</b>
<b>SCHUYLER COUNTY</b>	
SUBTOTAL	1000
WINTER BREAKUP (25%)	250
<b>TOTAL</b>	<b>1250</b>
<b>GRAND TOTAL</b>	<b>3750</b>

\* FINAL LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER

<b>PAINT PAVEMENT MARKING - LINE 4"</b>						
LOCATION			YELLOW		WHITE	FOOT
			SKIP DASH	NO PASSING	EDGE LINE	
STATION	TO	STATION	FOOT	FOOT	FOOT	
<b>MCDONOUGH COUNTY</b>						
457+50	TO	550+80	2333		18660	20993
550+80	TO	557+26	162	646	1292	2100
557+26	TO	594+00		7348	7348	14696
594+00	TO	599+19	130	519	1038	1687
599+19	TO	658+10	1473		11782	13255
<b>SUBTOTAL</b>						<b>52730</b>
<b>SCHUYLER COUNTY</b>						
658+10	TO	711+17	1327		10614	11941
711+17	TO	712+36	30	119	238	387
712+36	TO	724+77		2482	2482	4964
724+77	TO	732+00	181	723	1446	2350
732+00	TO	741+10	228		1820	2048
741+10	TO	757+14	401	1604	3208	5213
757+14 BK = 757+81 AH			STATION EQUATION			
757+81	TO	760+70	72	289	578	939
760+70	TO	761+62	23		184	207
761+62	TO	771+40	245	978	1956	3179
771+40	TO	821+03		9926	9926	19852
<b>SUBTOTAL</b>						<b>51079</b>
<b>TOTAL</b>						<b>103809</b>

<b>TRAFFIC CONTROL AND PROTECTION, STANDARD 701306</b>	
COUNTY	L SUM
MCDONOUGH	0.5
SCHUYLER	0.5
<b>TOTAL</b>	<b>1</b>

\* MCDONOUGH AND SCHUYLER COUNTIES

MODEL: \\MCD\BENAMES  
FILE NAME: 31153

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = \$DATES	DATE -	REVISED -

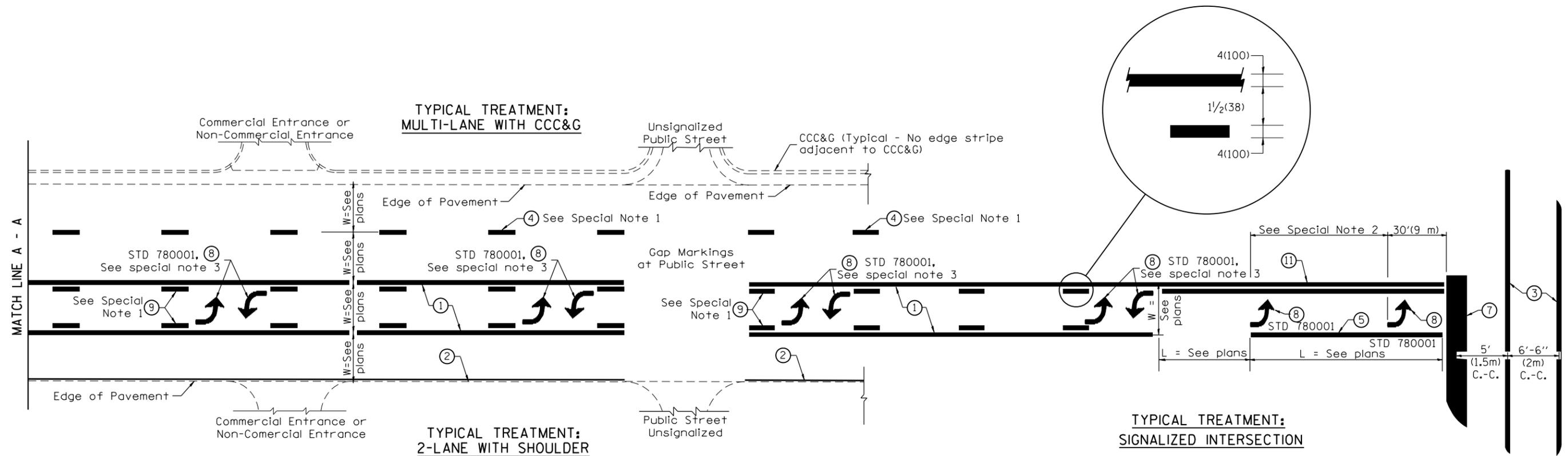
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(41,42)PP,I	*	8	6
CONTRACT NO. 68E56				
ILLINOIS FED. AID PROJECT				

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



**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) ⑩
- ⑪ 4(100) Double Solid (Yellow) ⑪

**SPECIAL NOTES**

- Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
- 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.
- 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**

- Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
- See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
- Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
- 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)

\* MCDONOUGH AND SCHUYLER COUNTIES

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.	2/29/16	ADDED GROOVING AREAS	R.D.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.			
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.			

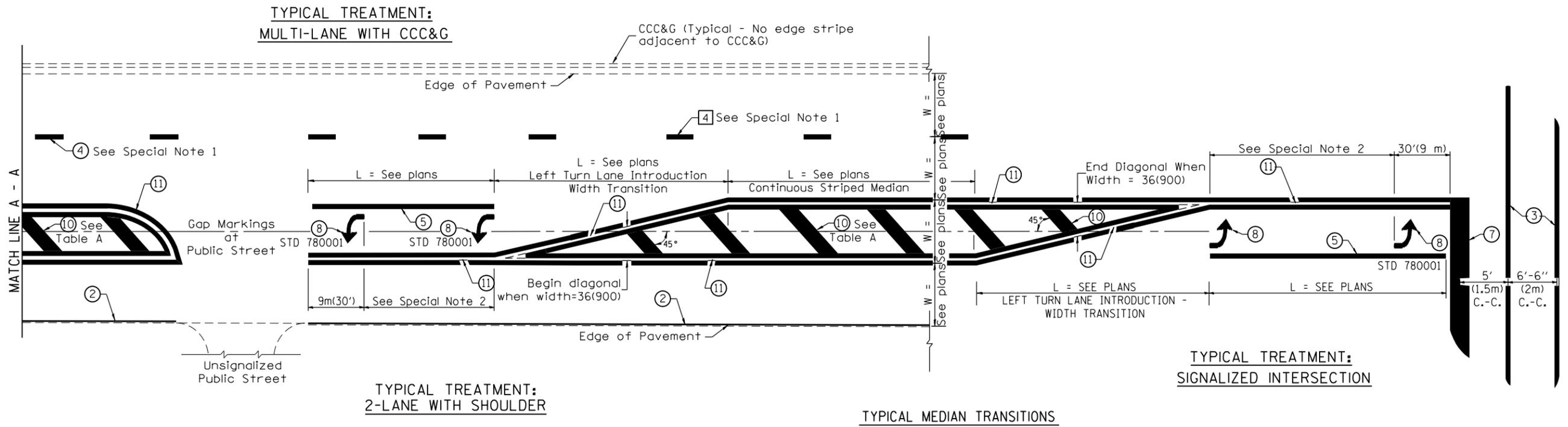
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

**TYPICAL PAVEMENT MARKINGS**

SHT. 1 OF 2  
CADD STD. 780001-D4

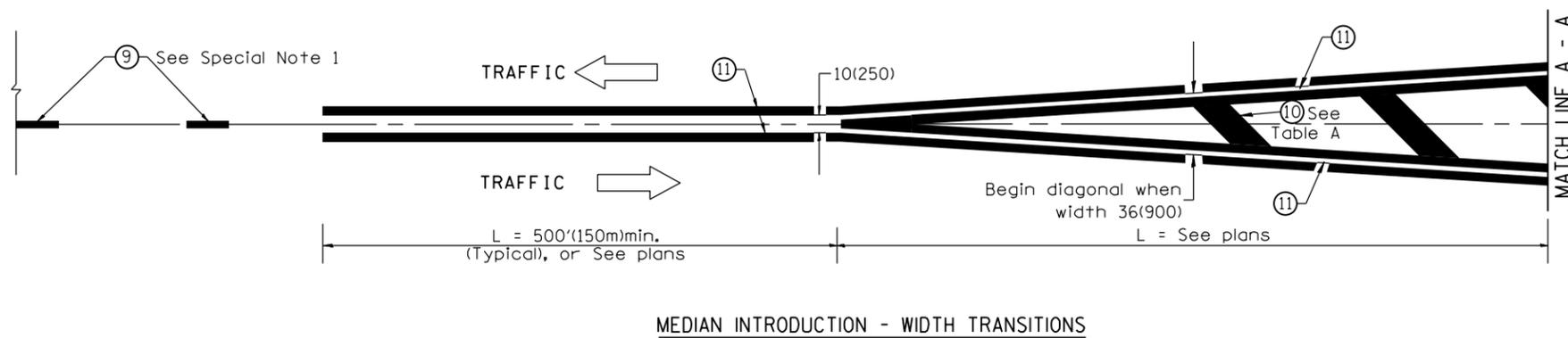
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(41,42)PP.1		8	7
CONTRACT NO. 68E56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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.

\* MCDONOUGH AND SCHUYLER COUNTIES