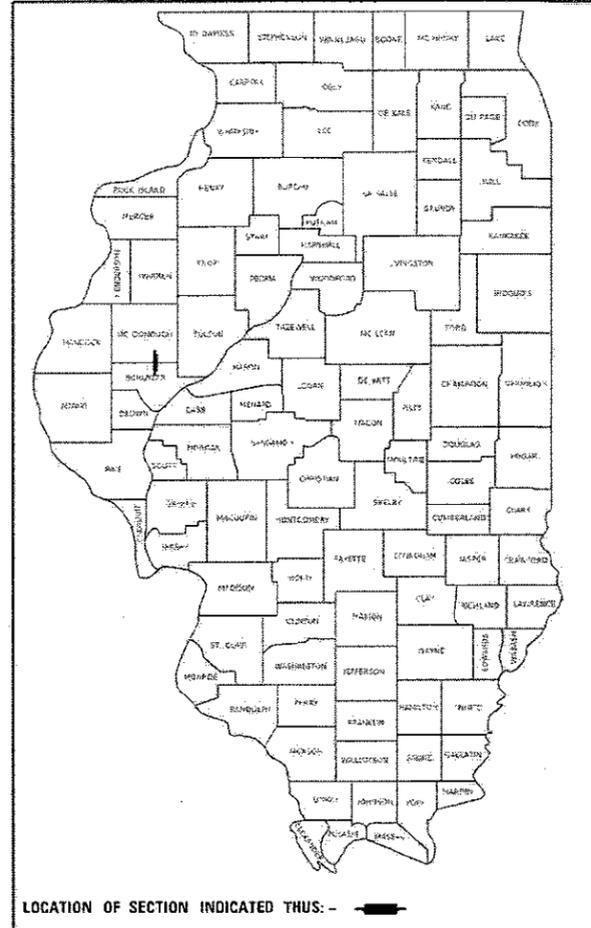


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(41,42)PP,I		8	1
ILLINOIS			CONTRACT NO. 68E56	

* MCDONOUGH AND SCHUYLER COUNTIES

D-94-069-18



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 May 17 2018
Paul A. James
REGION THREE ENGINEER

June 29 2018
Paul P. Chaf
ENGINEER OF DESIGN AND ENVIRONMENT

June 29 18
Paul P. Chaf
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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INDEX OF SHEETS: 08-03-2018 LETTING ITEM 031

- 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:

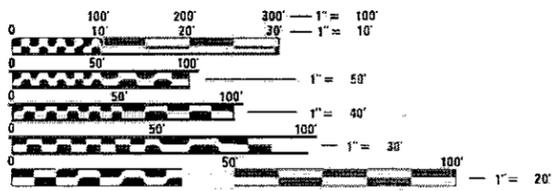
- 701006-05
- 701306-04
- 701311-03
- 701901-07

DISTRICT STANDARDS:

- 780001-D4

DESIGN DESIGNATION:

- CLASS: OTHER ARTERIAL
- ADT: 2,750
- HCV: 450 (16.36%)
- SU: 150 (5.45%)
- MU: 300 (10.91%)



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

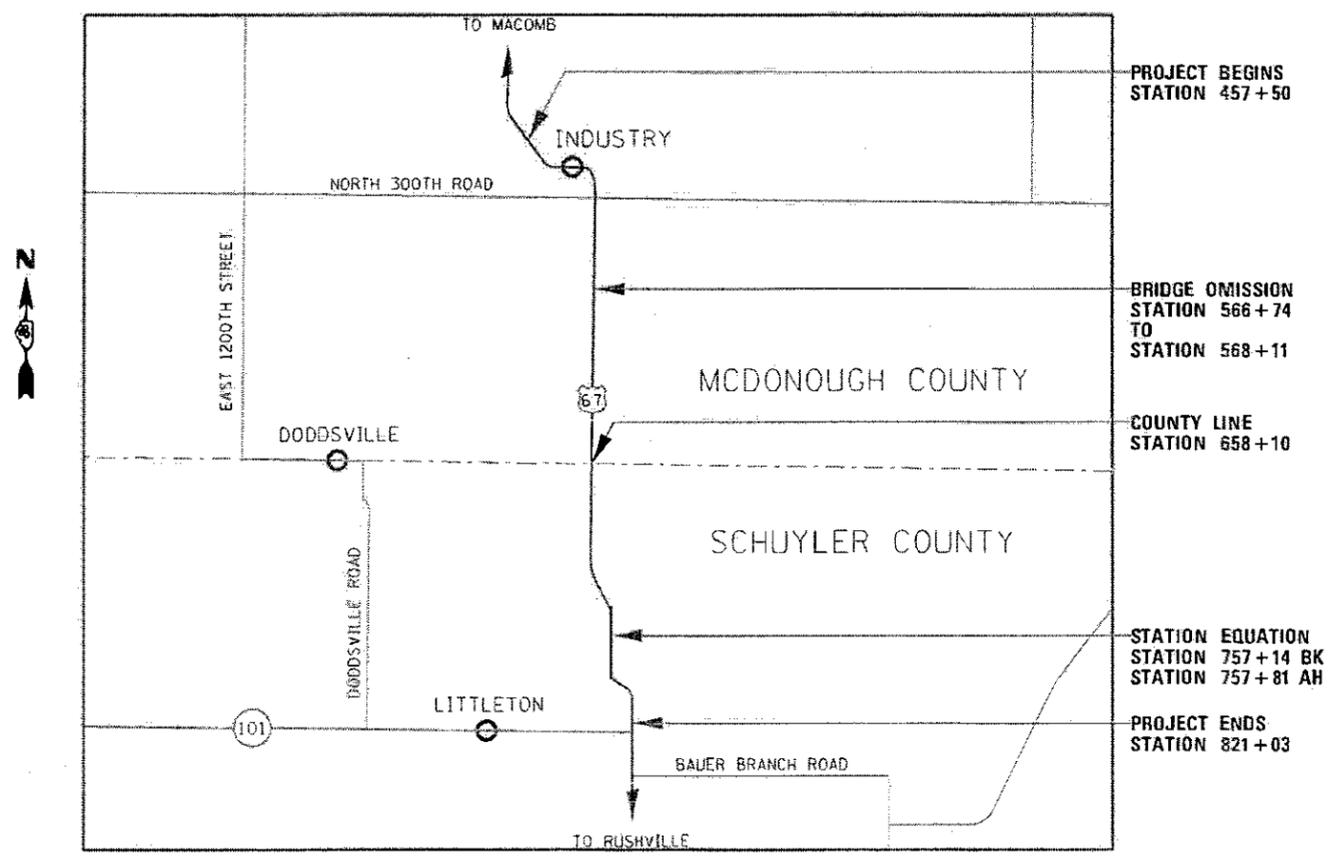
PROJECT ENGINEER: RICH DOTSON (309)671-3455
SQUAD LEADER: MIKE JACOBS (309)671-3460
PROJECT MANAGER: RAYMOND SAMARA (309)671-3460
CATALOG NO. 035649-00D
CONTRACT NO. 68E56

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 = 36,149 FT. = 6.846 MILE

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

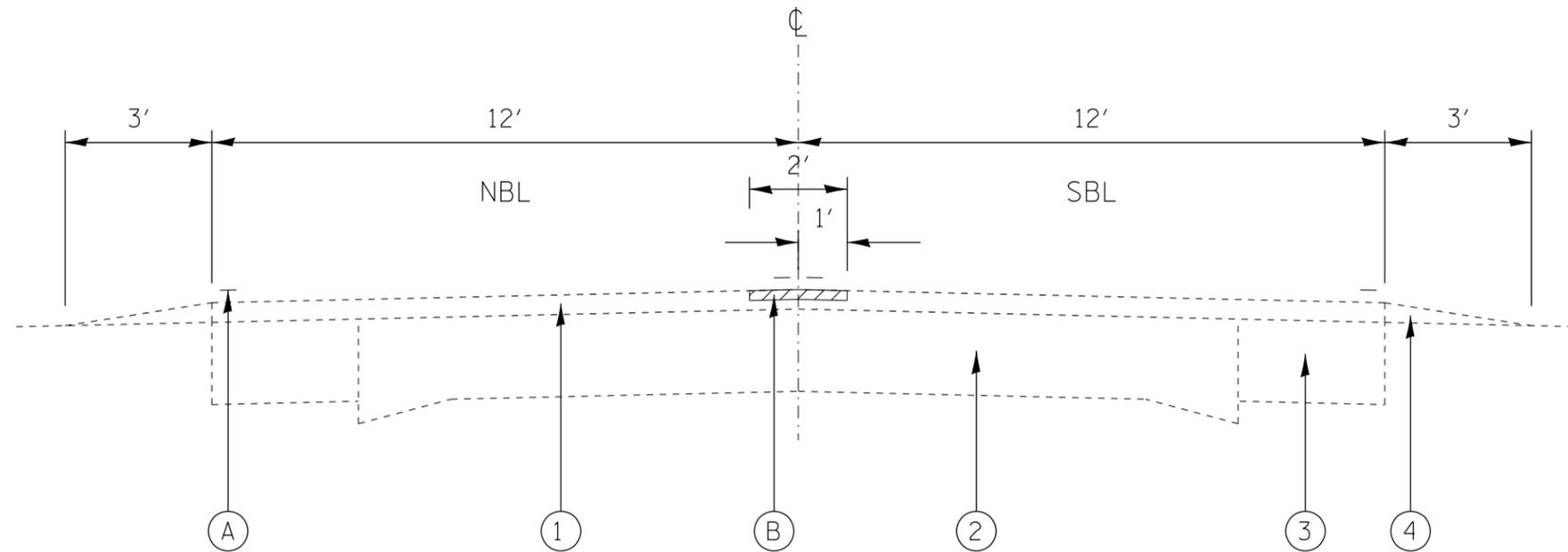
Mixture use(s):	Partial Depth Patching and Longitudinal Joint Repair, 2.50 Inch
AC/PG	PG 64-22
Design Air Voids	4% N=50
Mixture Composition (Mixture Gradation)	IL 9.5
Friction Aggregate	Mix C
Quality Management Program:	QC/QA

- 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 1000 tons, unless otherwise agreed to by the engineer and the paving contractor.

MODEL: Default
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* MCDONOUGH AND SCHUYLER COUNTIES

USER NAME = moberlyar	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS AND GENERAL NOTES		F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	DATE -	REVISED -								



US 67
 STATION 457+50 TO STATION 757+14 BK
 STATION 757+81 AH TO STATION 821+03
 BRIDGE OMISSION
 STATION 566+74 TO STATION 568+11

LEGEND:

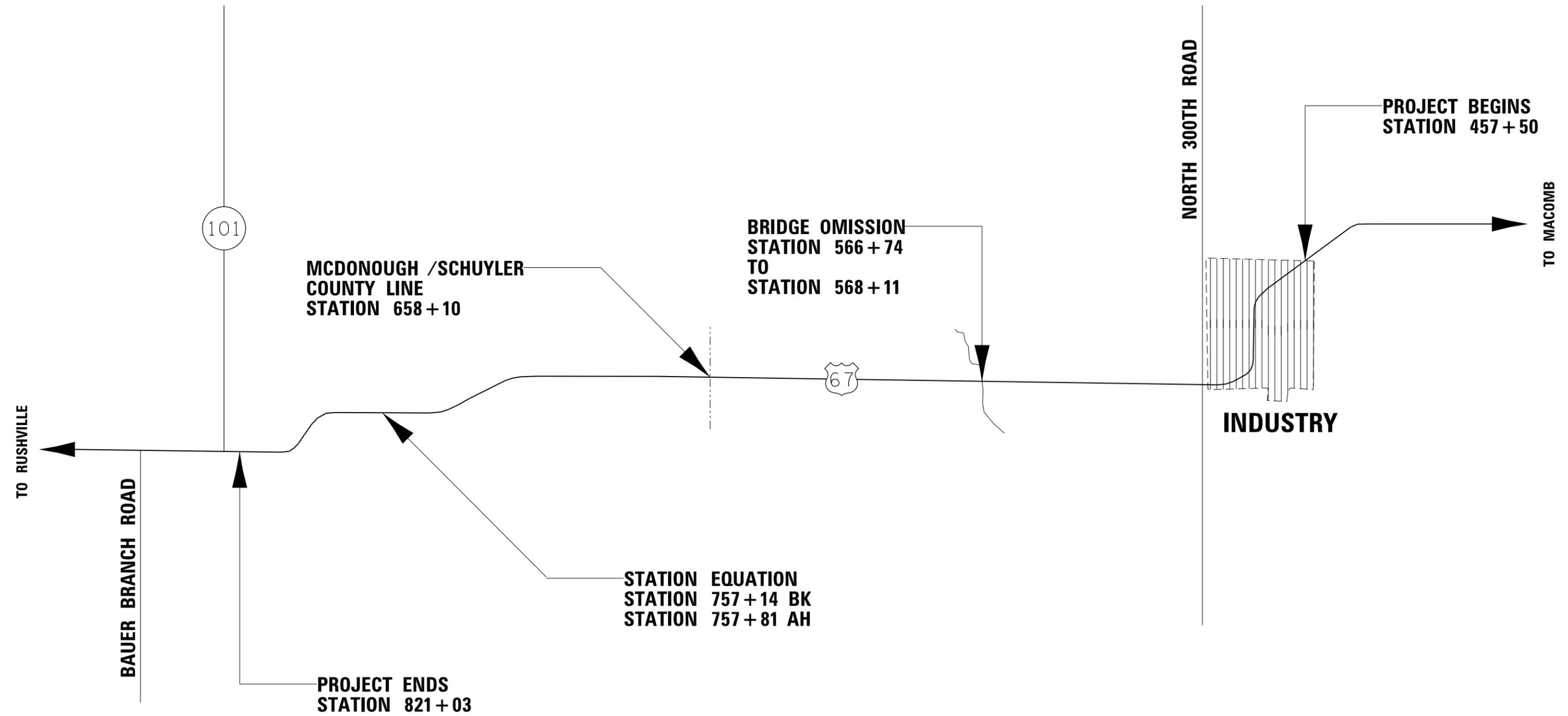
- ① EXISTING HOT-MIX ASPHALT PAVEMENT
- ② EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
- ③ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING
- ④ EXISTING AGGREGATE SHOULDERS

- Ⓐ PROPOSED PAVEMENT MARKING LINE - 4"
- Ⓑ PROPOSED LONGITUDINAL JOINT REPAIR

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* MCDONOUGH AND SCHUYLER COUNTIES

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PLOT DATE = 5/18/2018	DATE -	REVISED -								ILLINOIS FED. AID PROJECT



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* MCDONOUGH AND SCHUYLER COUNTIES

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	DRAWN -	REVISED -
PLOT SCALE = 200,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/18/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LINE DIAGRAM

SCALE: SHEET OF 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	

PARTIAL DEPTH PATCHING *			
LENGTH	WIDTH	NUMBER OF PATCHES	TON
FOOT	FOOT		
US 67 SOUTHBOUND			
MCDONOUGH COUNTY			
6	12	10	11.20
10	3	2	0.93
SUBTOTAL			12
SCHUYLER COUNTY			
10	3	12	5.60
20	3	2	1.87
30	3	1	1.40
SUBTOTAL			9
US 67 NORTHBOUND			
MCDONOUGH COUNTY			
6	12	11	12.32
SUBTOTAL			12
SCHUYLER COUNTY			
6	12	1	1.12
10	3	3	1.40
30	3	1	1.40
50	3	2	4.67
75	3	1	3.50
100	3	1	4.67
SUBTOTAL			17
TOTAL			50

PARTIAL DEPTH PATCHING (SPECIAL) *			
LENGTH	WIDTH	NUMBER OF PATCHES	SQ YD
FOOT	FOOT		
US 67 SOUTHBOUND			
MCDONOUGH COUNTY			
6	12	10	80.00
10	3	2	6.67
SUBTOTAL			87
SCHUYLER COUNTY			
10	3	12	40.00
20	3	2	13.33
30	3	1	10.00
SUBTOTAL			63
US 67 NORTHBOUND			
MCDONOUGH COUNTY			
6	12	11	88.00
SUBTOTAL			88
SCHUYLER COUNTY			
6	12	1	8.00
10	3	3	10.00
30	3	1	10.00
50	3	2	33.33
75	3	1	25.00
100	3	1	33.33
SUBTOTAL			120
TOTAL			358

PAINT PAVEMENT MARKING - LINE 4"						
LOCATION			YELLOW		WHITE	FOOT
			SKIP DASH	NO PASSING	EDGE LINE	
STATION	TO	STATION	FOOT	FOOT	FOOT	
MCDONOUGH COUNTY						
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
SUBTOTAL					52730	
SCHUYLER COUNTY						
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
SUBTOTAL					51079	
TOTAL					103809	

LONGITUDINAL JOINT REPAIR *	
LOCATION	QUANTITY
COUNTY	FOOT
MCDONOUGH	5620
SCHUYLER	1500
TOTAL	7120

MOBILIZATION	
LOCATION	L SUM
COUNTY	
MCDONOUGH	0.5
SCHUYLER	0.5
TOTAL	1

TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	
LOCATION	L SUM
COUNTY	
MCDONOUGH	0.5
SCHUYLER	0.5
TOTAL	1

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

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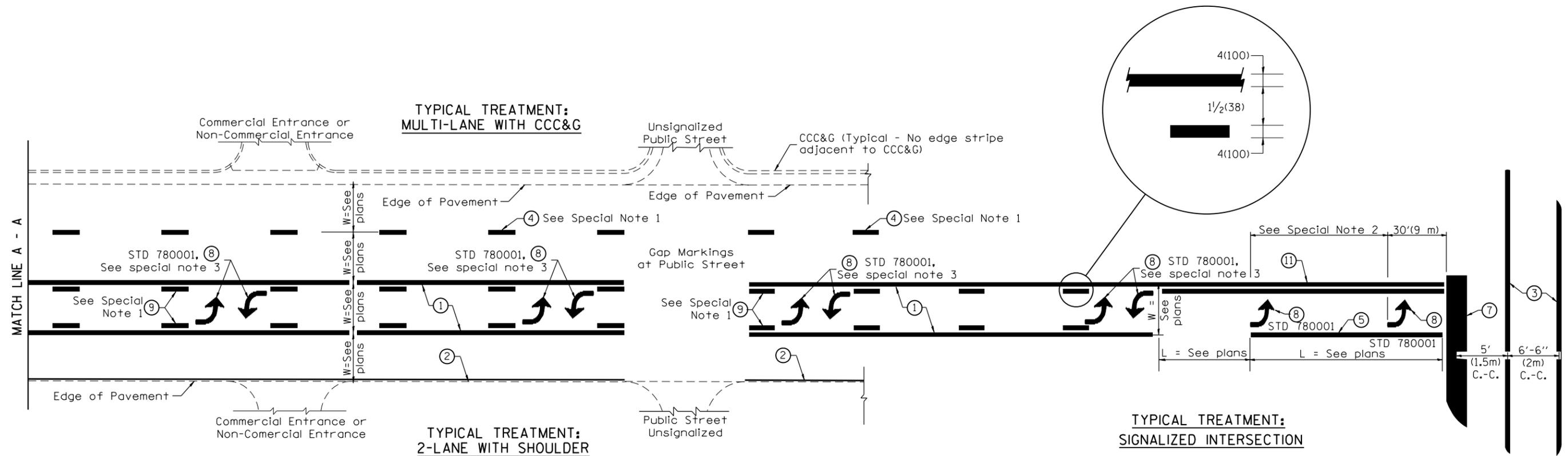
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

* MCDONOUGH AND SCHUYLER COUNTIES

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) (See Table A)
- ⑪ 4(100) Double Solid (Yellow) (See Table A)

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 minimum of two (2) arrows is required.
 - The maximum spacing between arrows is 80' (24 m).
 - 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 minimum of two (2) arrow pairs is required.
 - The maximum spacing between arrow pairs is 200' (61 m).
 - Arrow pairs shall be evenly spaced if three (3) or more are required.
 - 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.			

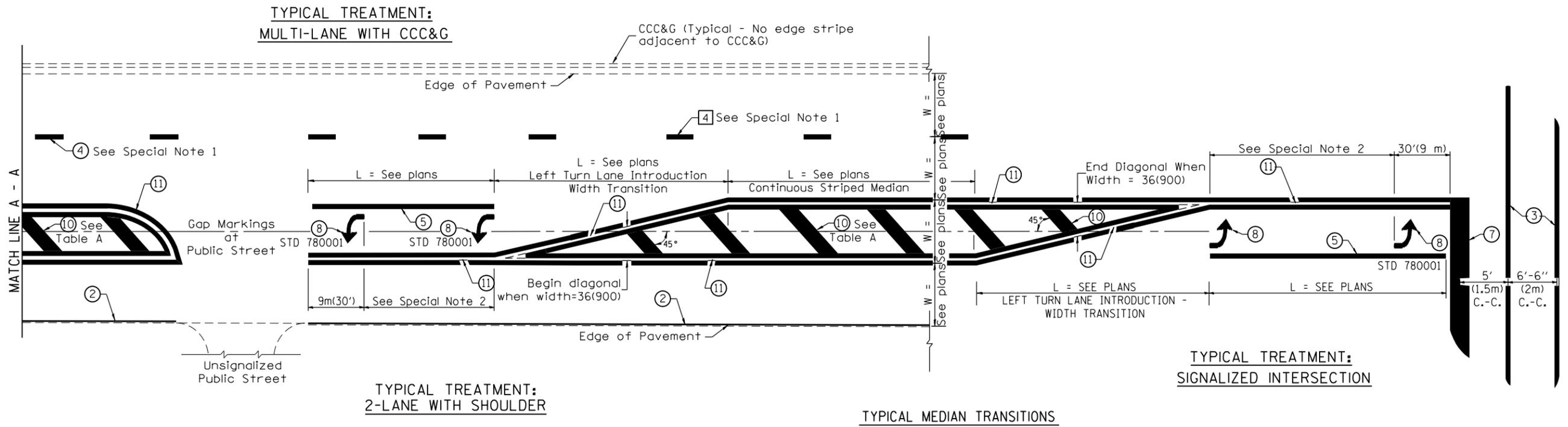
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

TYPICAL PAVEMENT MARKINGS

SHT. 1 OF 2
CADD STD. 780001-D4

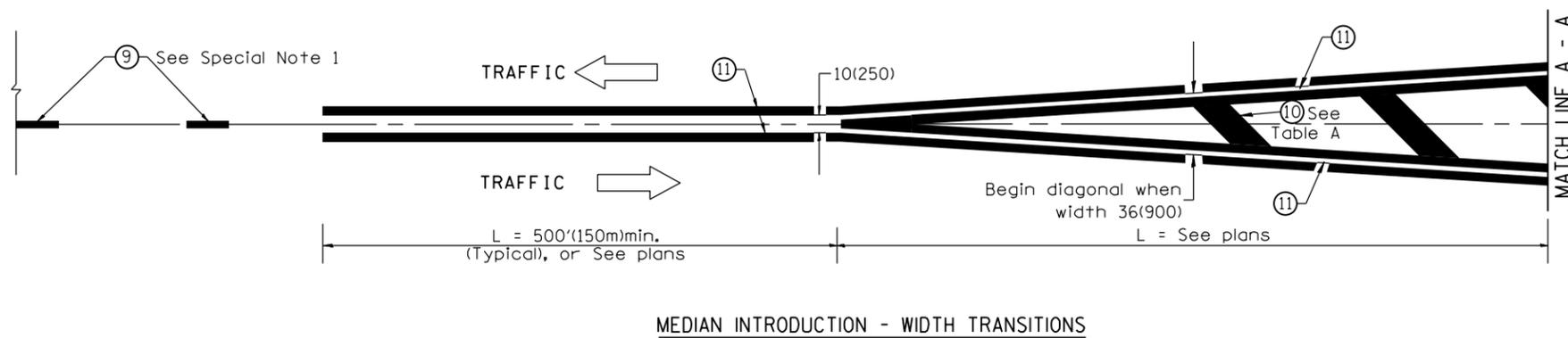
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(41,42)PP,1		8	7
CONTRACT NO. 68E56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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

NOT TO SCALE