

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAP ROUTE 789/10 (IL 111/IL 003/US 067)
SECTION (60Z,261,1)PP-1
PAVEMENT PATCHING - CM
MADISON COUNTY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789/10	(60Z,261,1)PP-1	MADISON	20	1
		ILLINOIS	CONTRACT NO. 76P84	

INDEX OF SHEETS

- 1 COVER
- 2 HIGHWAY STANDARDS, GENERAL NOTES, MIXTURE REQUIREMENTS & COMMITMENTS
- 3-4 SUMMARY OF QUANTITIES
- 5-16 TYPICAL SECTIONS
- 17-18 SCHEDULE OF QUANTITIES
- 19 LOCATION MAP
- 20 DETECTOR LOOP REPLACEMENT PLANS

ADT (IL 111 FROM MONTCLAIR AVE – TOLLE LN)

2019 ADT = 17,000 (ACTUAL)
2022 ADT = 17,400 (ESTIMATED)
2042 ADT = 20,400 (ESTIMATED)
SU = 5.1%, MU = 2.4%

ADT (IL 111 FROM TOLLE LN – MLK DR)

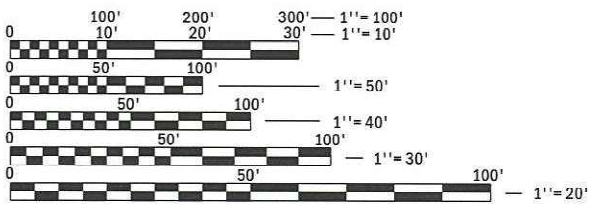
2019 ADT = 21,000 (ACTUAL)
2022 ADT = 21,500 (ESTIMATED)
2042 ADT = 25,200 (ESTIMATED)
SU = 4.3%, MU = 1.8%

ADT (IL 111 FROM MLK DR – HOMER ADAMS PKWY)

2019 ADT = 11,600 (ACTUAL)
2022 ADT = 11,900 (ESTIMATED)
2042 ADT = 13,900 (ESTIMATED)
SU = 1.6%, MU = 0.5%

ADT (IL 111 FROM HOMER ADAMS PKWY– ALBY ST)

2019 ADT = 17,200 (ACTUAL)
2022 ADT = 17,600 (ESTIMATED)
2042 ADT = 20,700 (ESTIMATED)
SU = 2.8%, MU = 0.5%



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

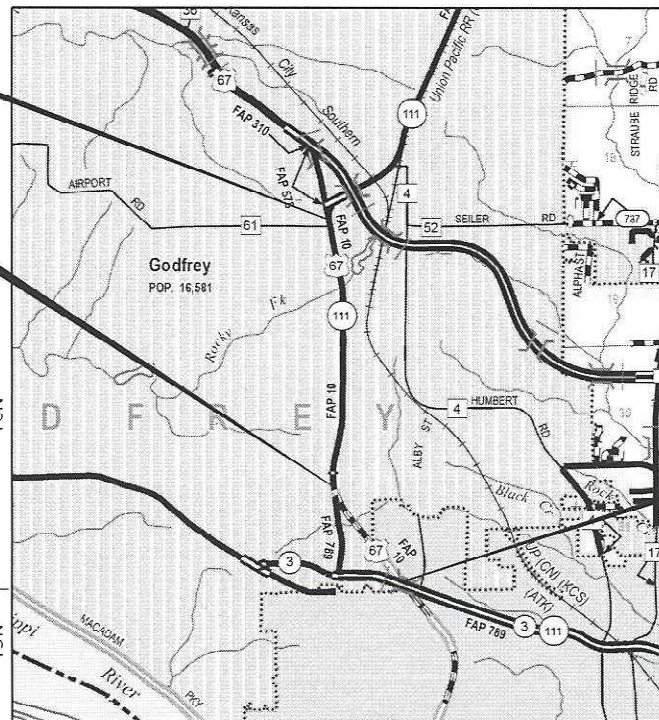
PROJECT ENGINEER: BILLIE OWEN (618)346-3209
PROJECT MANAGER: PHILLIP FREIMUTH (618)346-3194

CONTRACT NO. 76P84

C-98-057-22

BEGIN IMPROVEMENTS
ALONG IL 111/US 67
MILE STATION 2.72
LAT: 38.9669°
LONG: -90.1930°

STATION EQUATION
MILE 5.09 (IL 111/US 67) BK=
MILE 0.00 (IL 111/IL 3) AHD



GROSS LENGTH = 18902 FT. = 3.58 MILE
NET LENGTH = 18902 FT. = 3.58 MILE

END IMPROVEMENTS
ALONG IL 111/IL 3
MILE STATION 1.21
LAT: 38.9228°
LONG: -90.1813°

D-98-028-22



LOCATION OF SECTION INDICATED THIS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *August 20 21*
K Roberts REGIONAL ENGINEER

October 1 21
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

October 21 21
Stephen M. Lewis DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-09	PAVEMENT JOINTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
442101-09	CLASS B PATCHES
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

MIXTURE REQUIREMENTS

MIXTURE USE	PARTIAL DEPTH PATCH
AC/PG	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% @ Ndes=90
MIX COMPOSITION (Gradation)	IL 9.5
FRICTION AGG	MIXTURE "D"
QUALITY MGMT PROGRAM	QC/QA

GENERAL NOTES

1. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

	AERIAL	BURIED
* AMEREN ILLINOIS	X	X
* AT&T ILLINOIS	X	X
* CHARTER COMMUNICATIONS	X	X
* DEPARTMENT OF CENTRAL MANAGEMENT SERVICES	X	X
* VILLAGE OF GODFREY		X
* ILLINOIS AMERICAN WATER COMPANY		X
* WANRACK, LLC	X	X

2. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING, TOPOGRAPHY AND QUANTITIES SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS.
3. THE PROPOSED PAVEMENT MARKINGS SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER.
4. PAVEMENT PATCHING MAY OCCUR ABOVE EXISTING CULVERTS. THE DEPTH OF PAVEMENT PATCHING SHALL BE TO THE DEPTH SPECIFIED IN THE PLANS OR TO THE TOP OF THE EXISTING CULVERTS, WHICHEVER IS LESS.
5. NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.
6. THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB- CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORK FORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION- RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSE WORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL- TRAINED AND READY TO BECOME PRODUCTIVE ENTRY- LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORK FORCE AND TRAINEE GOALS
7. THE CONTRACTOR SHALL CONFER WITH OPERATIONS REGARDING "LOOP W/LEAD-IN" LOCATIONS W/PERFORMANCE PRIOR TO PAVEMENT REMOVAL AND "LOOP W/LEAD-IN" PERFORMANCE AFTER PAVEMENT RESTORATION

COMMITMENTS

NONE

REV. - MS

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DRAWN -	REVISED -	789/10			(60Z.261.1)PP-1	MADISON	20	2	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 76P84				
PLOT DATE = 8/20/2021	DATE -	REVISED -			ILLINOIS				
SCALE:				SHEET 1 OF 1 SHEETS	STA.	TO STA.			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				IL 111
				MADISON
				ROADWAY
				0006
				URBAN
44200050	WELDED WIRE REINFORCEMENT	SQ YD	693	693
44201007	CLASS B PATCHES, TYPE II, 13 INCH	SQ YD	28	28
44201011	CLASS B PATCHES, TYPE III, 13 INCH	SQ YD	173	173
44201013	CLASS B PATCHES, TYPE IV, 13 INCH	SQ YD	522	522
44201299	DOWEL BARS 1 1/2"	EACH	340	340
44213200	SAW CUTS	FOOT	1670	1670
44213204	TIE BARS 3/4"	EACH	128	128
67100100	MOBILIZATION	L SUM	1	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
* 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	62	62
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	3968	3968
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	19	19

* SPECIALTY ITEM

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PLOT DATE = 8/20/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789/10	(60Z,261,1)PP-1	MADISON	20	3
CONTRACT NO. 76P84			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				IL 111 MADISON ROADWAY 0006 URBAN
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	11	11
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	618	618
X4405025	LONGITUDINAL PARTIAL DEPTH REMOVAL 2 1/2"	FOOT	240	240
X4406225	PARTIAL DEPTH REMOVAL, TYPE II, 2.5"	SQ YD	16	16
X4406625	PARTIAL DEPTH REMOVAL, TYPE IV, 2.5"	SQ YD	3574	3574
X4420900	LONGITUDINAL PARTIAL DEPTH PATCHING	TON	7.5	7.5
X4421000	PARTIAL DEPTH PATCHING	TON	502.5	502.5

* SPECIALTY ITEM

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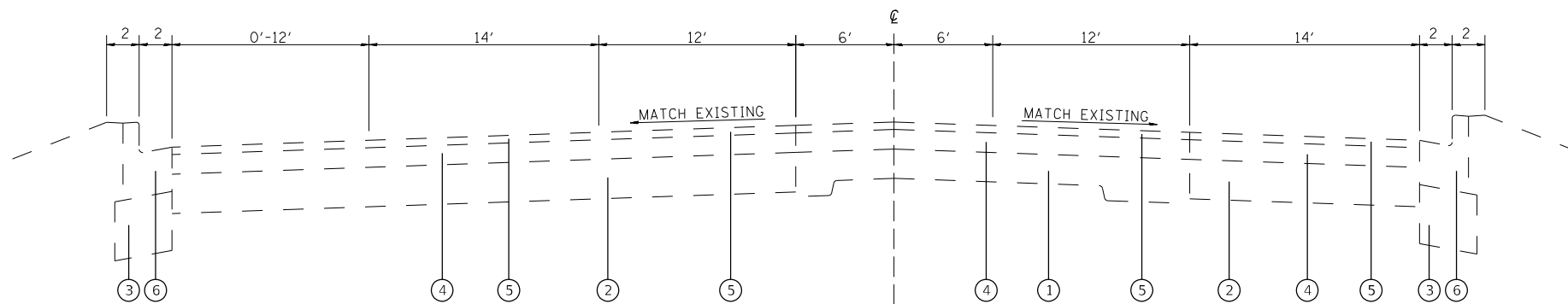
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

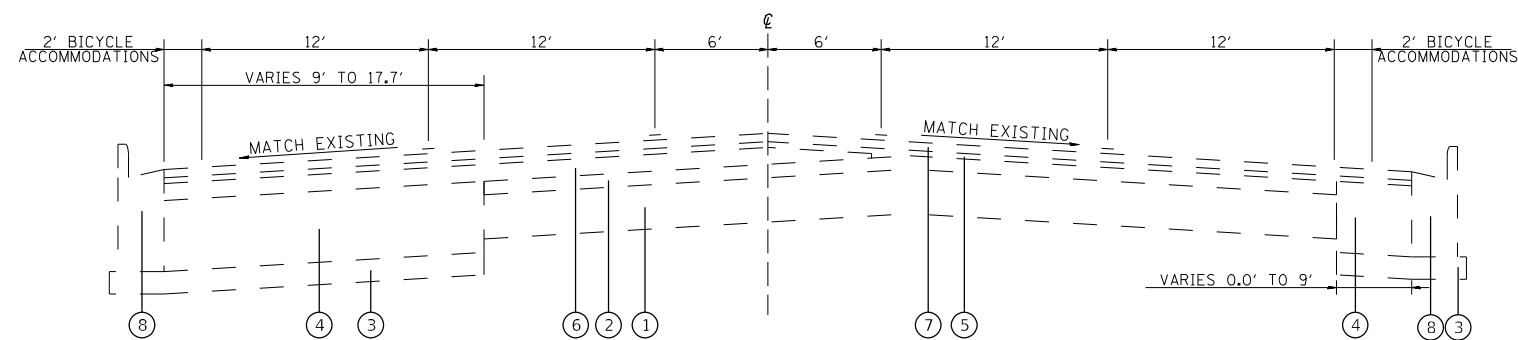
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789/10	(602,261,1)PP-1	MADISON	20	4
CONTRACT NO. 76P84			ILLINOIS FED. AID PROJECT	



EXISTING TYPICAL SECTION
MILE STA. 2.72 (US 67/IL 111) TO MILE STA. 2.79 (US 67/IL 111)

- LEGEND
- ① EXISTING 9-6-9 P.C.C. PAVEMENT
 - ② EXISTING P.C.C. BASE COURSE 8"
 - ③ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 12"
 - ④ EXISTING HMA BINDER COURSE, VARIABLE DEPTH
 - ⑤ EXISTING HMA SURFACE COURSE, 1.5"
 - ⑥ EXISTING COMBINATION CONCRETE CURB AND GUTTER, B-6.24"



EXISTING TYPICAL SECTION
MILE STA. 2.79 (US 67/IL 111) TO MILE STA. 2.92 (US 67/IL 111)

*EXISTING BASE COURSE (OPTION) IS EITHER PORTLAND CEMENT CONCRETE, 9" OR BITUMINOUS ASPHALT, 12.5"

- LEGEND
- ① EXISTING PCC PAVEMENT, 8"
 - ② EXISTING BITUMINOUS RESURFACING, 3"
 - ③ EXISTING AGGREGATE BASE COURSE, 4"
 - ④ EXISTING BASE COURSE (OPTION)*
 - ⑤ EXISTING LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70, 1"
 - ⑥ EXISTING BITUMINOUS CONCRETE BINDER COURSE- VARIABLE DEPTH
 - ⑦ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N70, 1.5"
 - ⑧ EXISTING COMBINATION CURB AND GUTTER, TYPE B

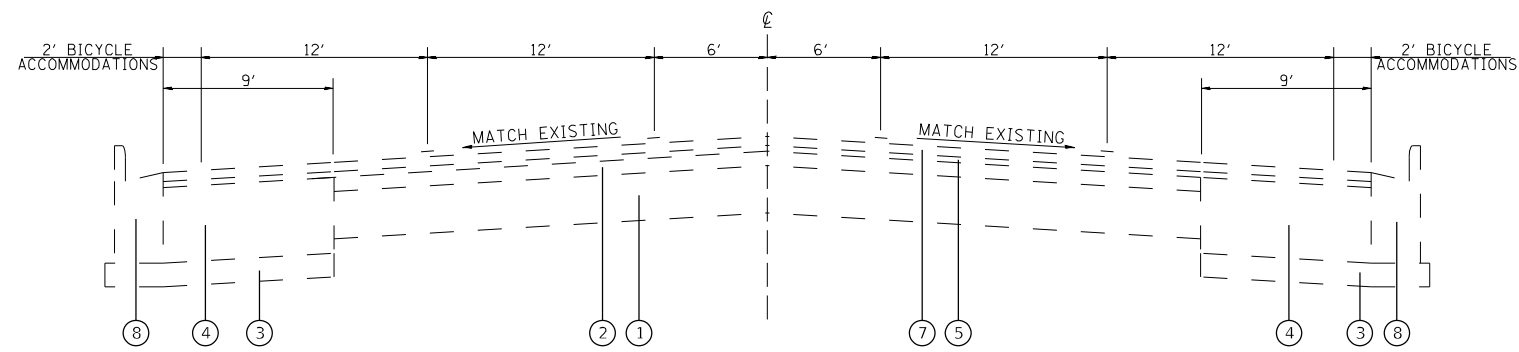
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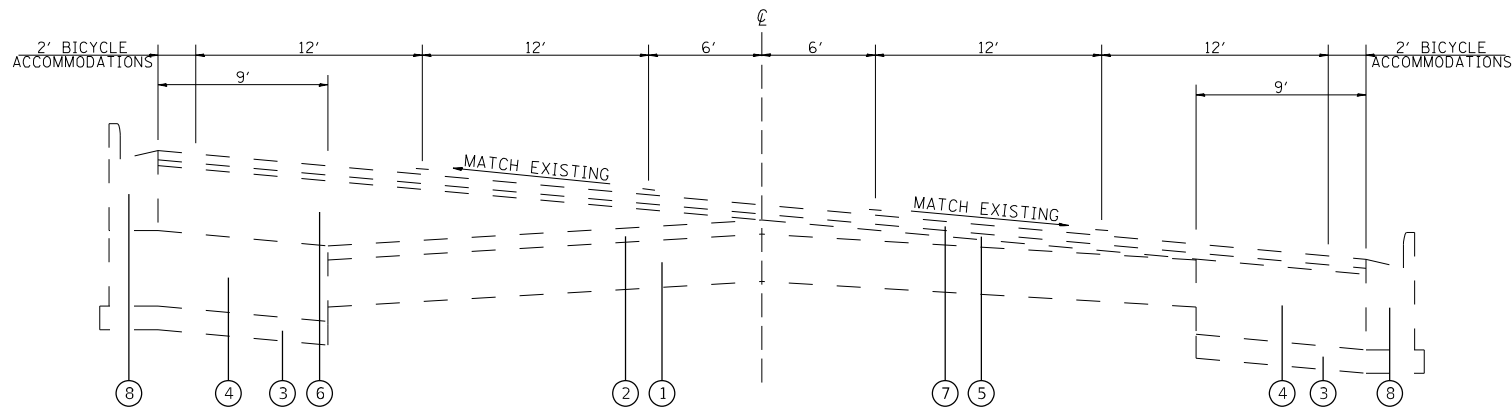
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE:	SHEET 1 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789/10	(60Z.261.1)PP-1	MADISON	20	5
CONTRACT NO. 76P84				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
MILE STA. 2.92 (US 67/IL 111) TO MILE STA. 3.29 (US 67/IL 111)



EXISTING TYPICAL SECTION
MILE STA. 3.29 (US 67/IL 111) TO MILE STA. 3.31 (US 67/IL 111)

*EXISTING BASE COURSE (OPTION) IS EITHER PORTLAND CEMENT CONCRETE, 9" OR BITUMINOUS ASPHALT, 12.5"

LEGEND

- ① EXISTING PCC PAVEMENT, 8"
- ② EXISTING BITUMINOUS RESURFACING, 3"
- ③ EXISTING AGGREGATE BASE COURSE, 4"
- ④ EXISTING BASE COURSE (OPTION)*
- ⑤ EXISTING LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70, 1"
- ⑥ EXISTING BITUMINOUS CONCRETE BINDER COURSE- VARIABLE DEPTH
- ⑦ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N70, 1.5"
- ⑧ EXISTING COMBINATION CURB AND GUTTER, TYPE B

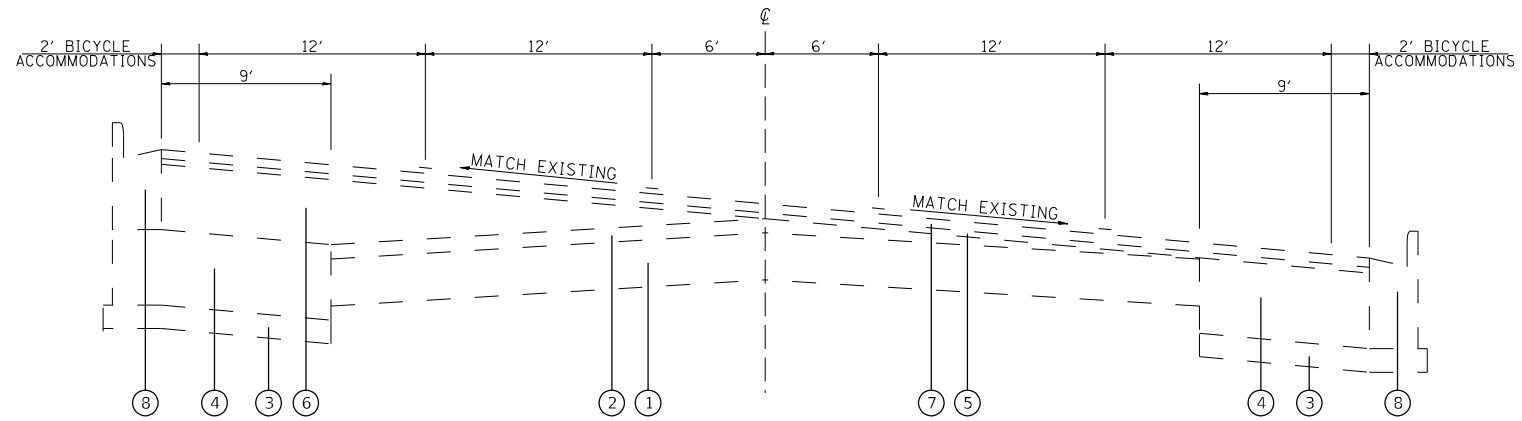
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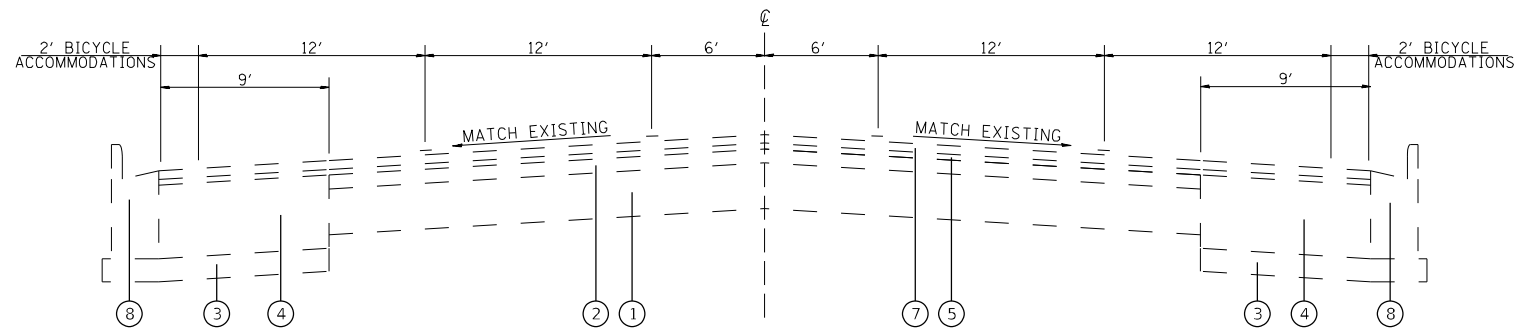
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DEPARTMENT OF TRANSPORTATION**

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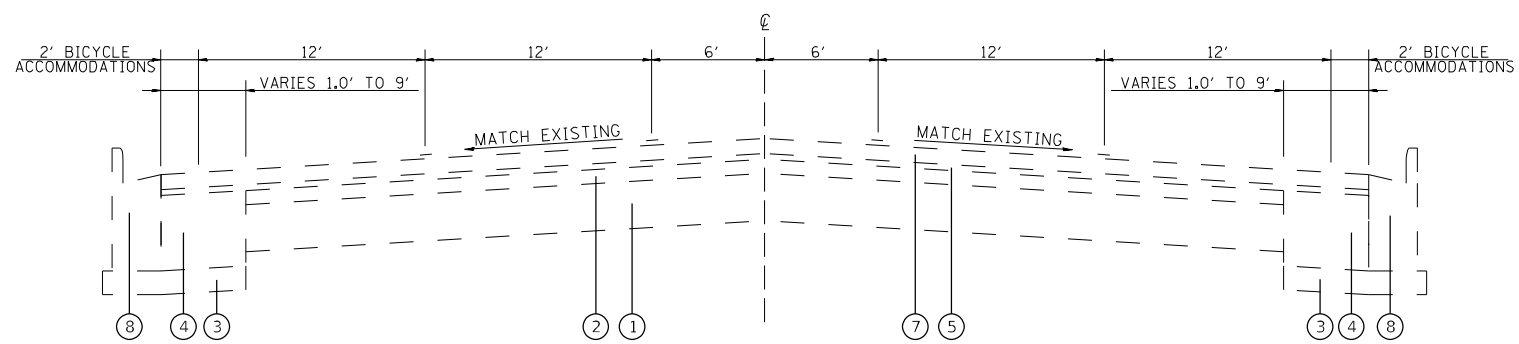
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789/10	(60Z,261,1)PP-1	MADISON	20	6
CONTRACT NO. 76P84				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
MILE STA. 3.31 (US 67/IL 111) TO MILE STA. 3.39 (US 67/IL 111)



EXISTING TYPICAL SECTION
MILE STA. 3.39 (US 67/IL 111) TO MILE STA. 3.72 (US 67/IL 111)



EXISTING TYPICAL SECTION
MILE STA. 3.72 (US 67/IL 111) TO MILE STA. 3.80 (US 67/IL 111)

- LEGEND**
- ① EXISTING PCC PAVEMENT, 8"
 - ② EXISTING BITUMINOUS RESURFACING, 3"
 - ③ EXISTING AGGREGATE BASE COURSE, 4"
 - ④ EXISTING BASE COURSE (OPTION)*
 - ⑤ EXISTING LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70, 1"
 - ⑥ EXISTING BITUMINOUS CONCRETE BINDER COURSE- VARIABLE DEPTH
 - ⑦ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N70, 1.5"
 - ⑧ EXISTING COMBINATION CURB AND GUTTER, TYPE B

*EXISTING BASE COURSE (OPTION) IS EITHER PORTLAND CEMENT CONCRETE, 9" OR BITUMINOUS ASPHALT, 12.5"

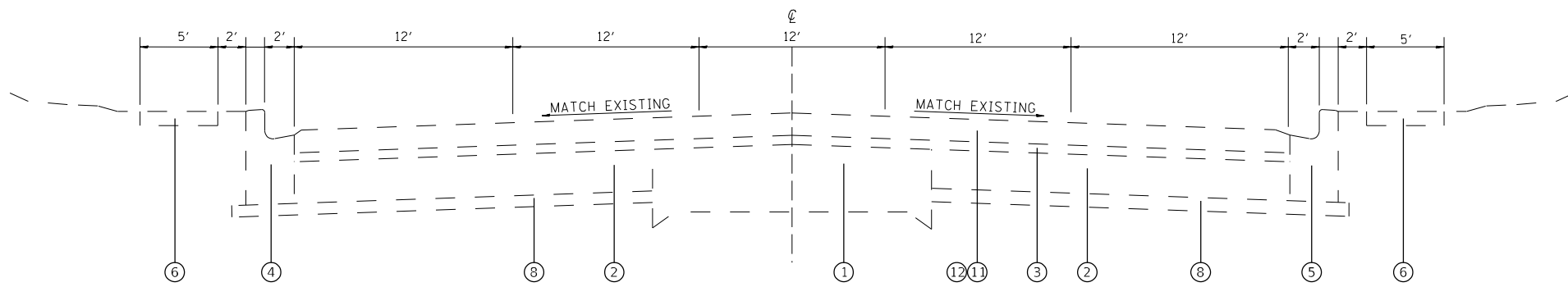
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DEPARTMENT OF TRANSPORTATION**

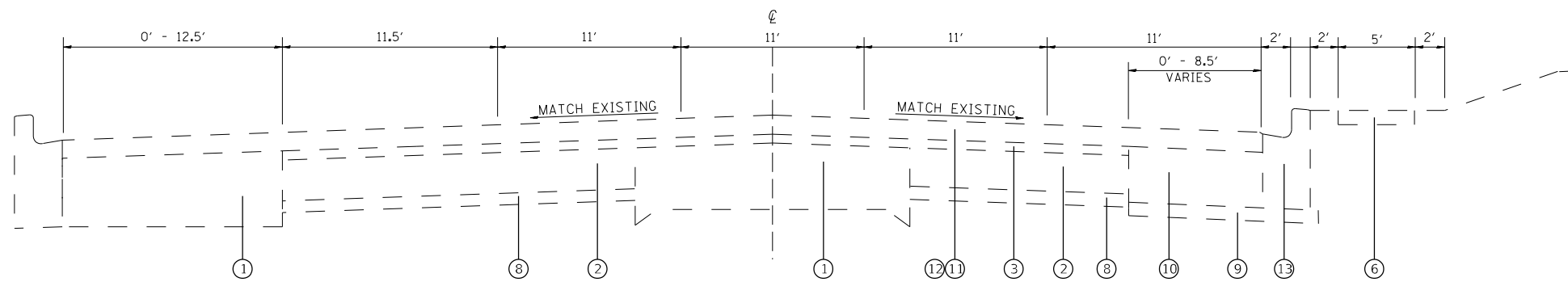
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76P84				
ILLINOIS FED. AID PROJECT				



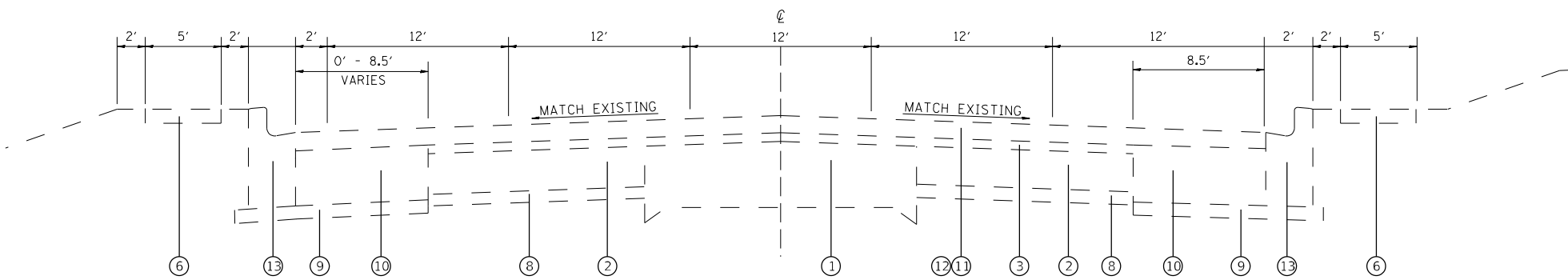
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MILE STA. 3.80 (US 67/IL 111) TO MILE STA. 3.86 (US 67/IL 111)



EXISTING TYPICAL SECTION

MILE STA. 3.86 (US 67/IL 111) TO MILE STA. 3.95 (US 67/IL 111)



EXISTING TYPICAL SECTION

MILE STA. 3.95 (US 67/IL 111) TO MILE STA. 4.35 (US 67/IL 111)

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING P.C.C. BASE COURSE, 10"
- ③ EXISTING BITUMINOUS RESURFACING, 3"
- ④ EXISTING B-6.24 CURB AND GUTTER
- ⑤ EXISTING CONCRETE GUTTER TYPE A
- ⑥ EXISTING CONCRETE SIDEWALK, 4"
- ⑦ EXISTING CONCRETE MEDIAN
- ⑧ EXISTING SUB-BASE GRANULAR MAT'L. TYPE A, 4"
- ⑨ EXISTING SUBGRADE REINFORCEMENT, 4"
- ⑩ EXISTING BITUMINOUS CONCRETE BINDER COURSE, 12"
- ⑪ EXISTING LEVELING BINDER (MACHINE METHOD) - 0.75"
- ⑫ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIX D, - 1.5"
- ⑬ EXISTING CONCRETE TYPE B - CURB AND GUTTER
- ⑭ EXISTING LEVELING BINDER (MACHINE METHOD) - VARIABLE DEPTH

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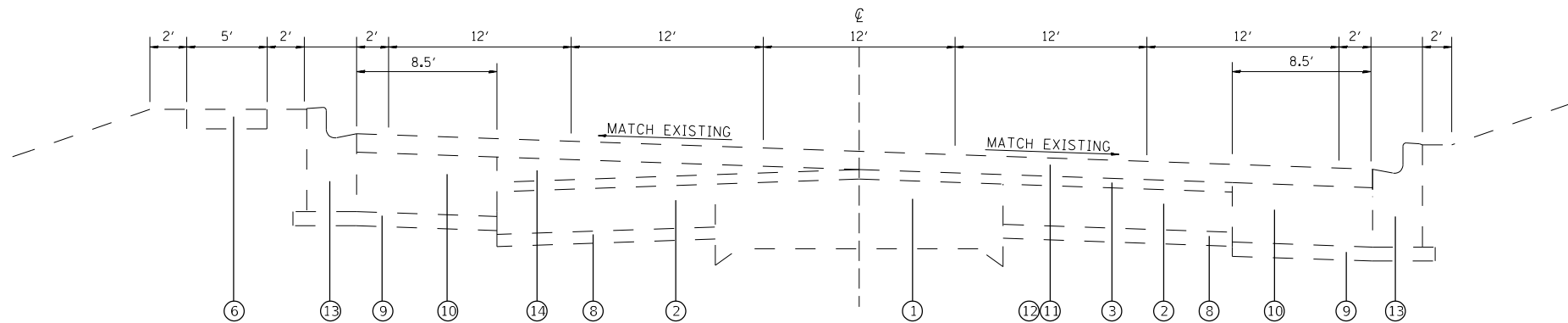
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

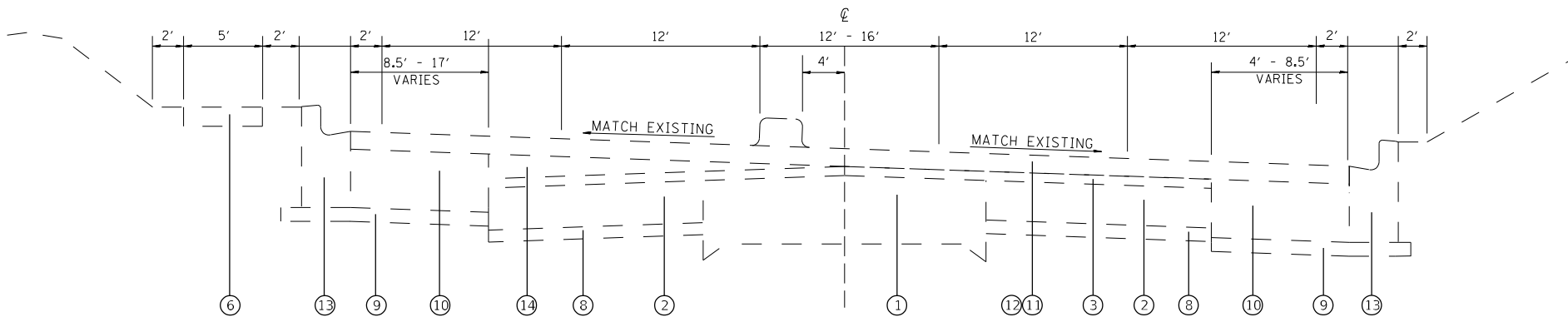
TYPICAL SECTIONS

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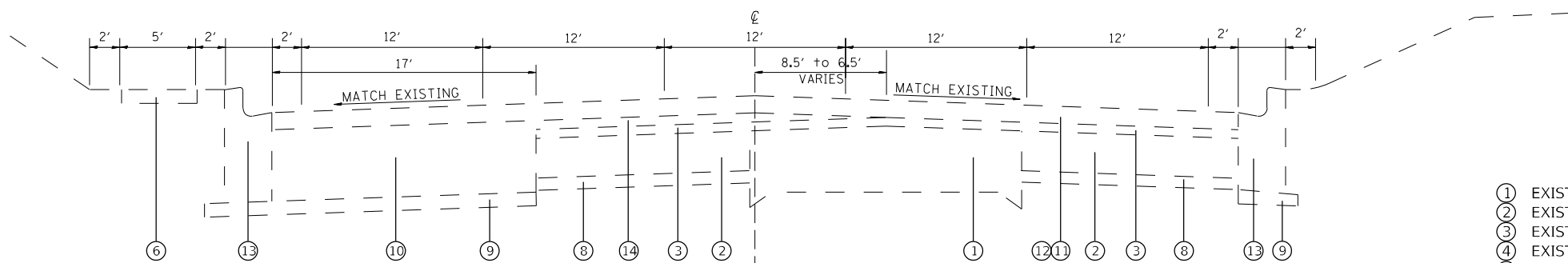
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789/10	(60Z.261.1)PP-1	MADISON	20	8
CONTRACT NO. 76P84				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
MILE STA. 4.35 (US 67/IL 111) TO MILE STA. 4.45 (US 67/IL 111)



EXISTING TYPICAL SECTION
MILE STA. 4.45 (US 67/IL 111) TO MILE STA. 4.52 (US 67/IL 111)



EXISTING TYPICAL SECTION
MILE STA. 4.52 (US 67/IL 111) TO MILE STA. 4.57 (US 67/IL 111)

- LEGEND**
- ① EXISTING PAVEMENT
 - ② EXISTING P.C.C. BASE COURSE, 10"
 - ③ EXISTING BITUMINOUS RESURFACING, 3"
 - ④ EXISTING B-6.24 CURB AND GUTTER
 - ⑤ EXISTING CONCRETE GUTTER TYPE A
 - ⑥ EXISTING CONCRETE SIDEWALK, 4"
 - ⑦ EXISTING CONCRETE MEDIAN
 - ⑧ EXISTING SUB-BASE GRANULAR MAT'L. TYPE A, 4"
 - ⑨ EXISTING SUBGRADE REINFORCEMENT, 4"
 - ⑩ EXISTING BITUMINOUS CONCRETE BINDER COURSE, 12"
 - ⑪ EXISTING LEVELING BINDER (MACHINE METHOD) - 0.75"
 - ⑫ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIX D, - 1.5"
 - ⑬ EXISTING CONCRETE TYPE B - CURB AND GUTTER
 - ⑭ EXISTING LEVELING BINDER (MACHINE METHOD) - VARIABLE DEPTH

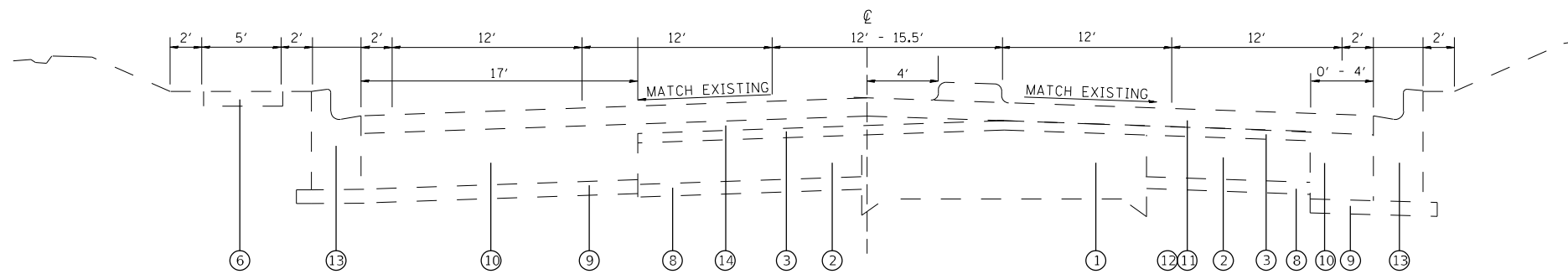
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PLOT DATE = 8/20/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

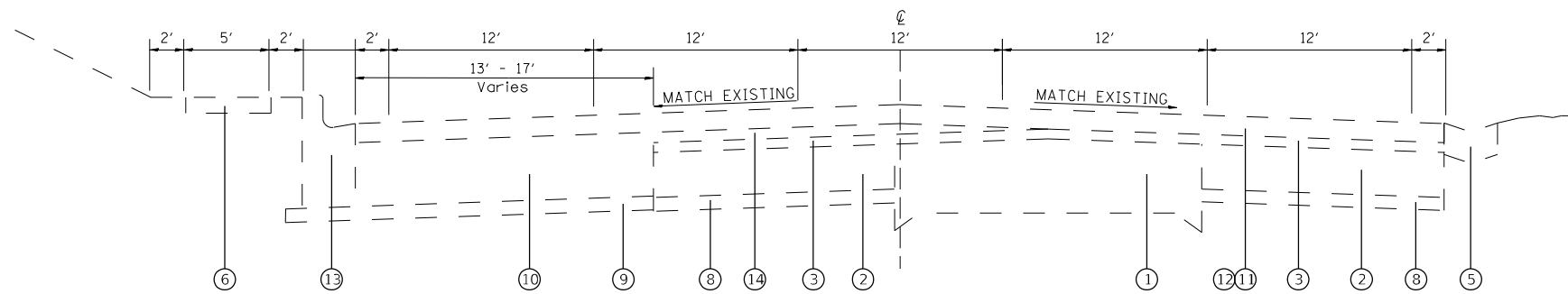
TYPICAL SECTIONS	
SCALE:	SHEET 5 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789/10	(60Z.261.1)PP-1	MADISON	20	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76P84	



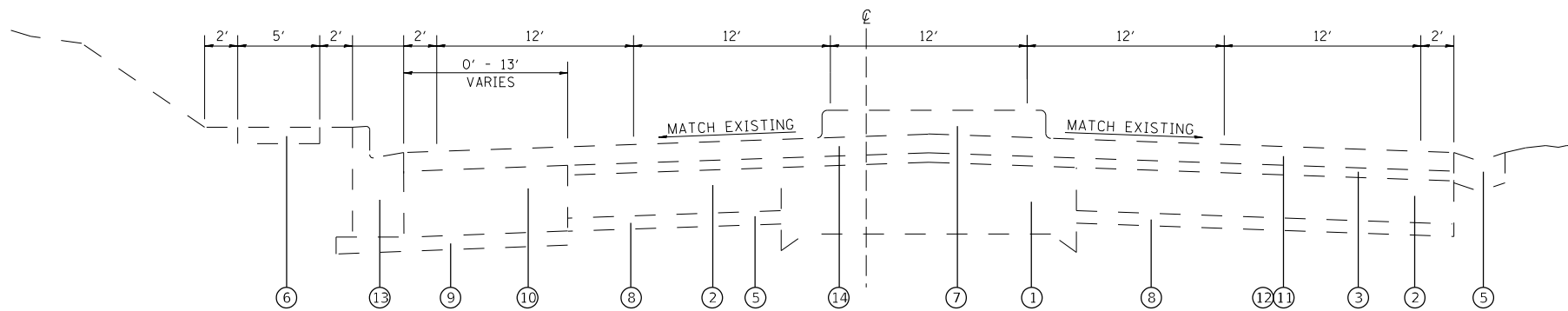
EXISTING TYPICAL SECTION

MILE STA. 4.57 (US 67/IL 111) TO MILE STA. 4.59 (US 67/IL 111)



EXISTING TYPICAL SECTION

MILE STA. 4.59 (US 67/IL 111) TO MILE STA. 4.86 (US 67/IL 111)



EXISTING TYPICAL SECTION

MILE STA. 4.86 (US 67/IL 111) TO MILE STA. 4.90 (US 67/IL 111)

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING P.C.C. BASE COURSE, 10"
- ③ EXISTING BITUMINOUS RESURFACING, 3"
- ④ EXISTING B-6.24 CURB AND GUTTER
- ⑤ EXISTING CONCRETE GUTTER TYPE A
- ⑥ EXISTING CONCRETE SIDEWALK, 4"
- ⑦ EXISTING CONCRETE MEDIAN
- ⑧ EXISTING SUB-BASE GRANULAR MAT'L. TYPE A, 4"
- ⑨ EXISTING SUBGRADE REINFORCEMENT, 4"
- ⑩ EXISTING BITUMINOUS CONCRETE BINDER COURSE, 12"
- ⑪ EXISTING LEVELING BINDER (MACHINE METHOD) - 0.75"
- ⑫ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIX D, - 1.5"
- ⑬ EXISTING CONCRETE TYPE B - CURB AND GUTTER
- ⑭ EXISTING LEVELING BINDER (MACHINE METHOD) - VARIABLE DEPTH

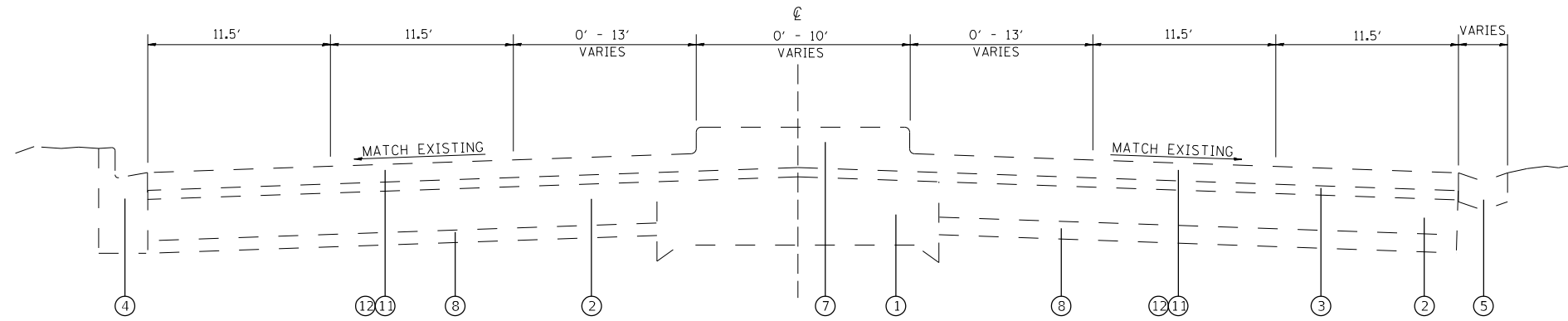
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PLOT DATE = 8/20/2021	DATE -	REVISED -

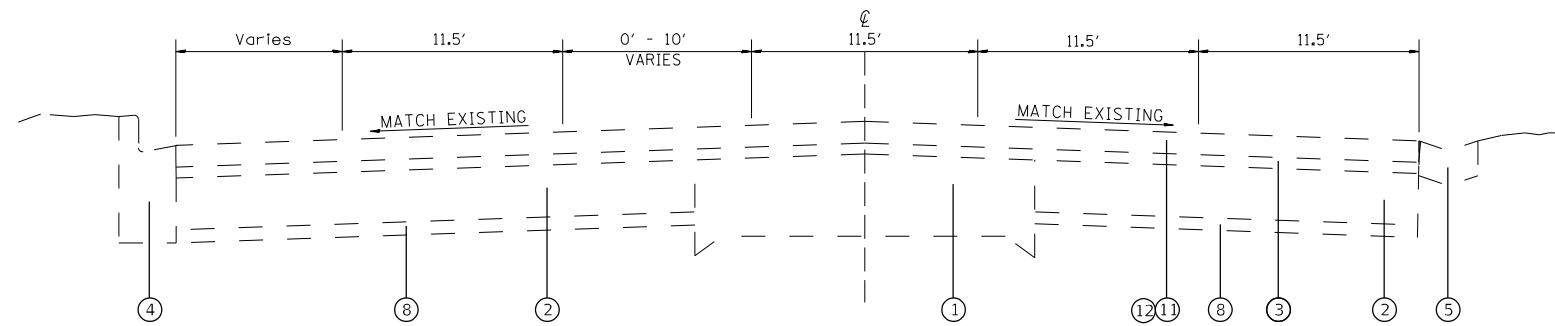
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE:	SHEET 6 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789/10	(60Z,261,1)PP-1	MADISON	20	10
CONTRACT NO. 76P84				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
MILE STA. 4.90 (US 67/IL 111) TO MILE STA. 4.95 (US 67/IL 111)



EXISTING TYPICAL SECTION
MILE STA. 4.95 (US 67/IL 111) TO MILE STA. 5.07 (US 67/IL 111)

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING P.C.C. BASE COURSE, 10"
- ③ EXISTING BITUMINOUS RESURFACING, 3"
- ④ EXISTING B-6.24 CURB AND GUTTER
- ⑤ EXISTING CONCRETE GUTTER TYPE A
- ⑥ EXISTING CONCRETE SIDEWALK, 4"
- ⑦ EXISTING CONCRETE MEDIAN
- ⑧ EXISTING SUB-BASE GRANULAR MAT'L. TYPE A, 4"
- ⑨ EXISTING SUBGRADE REINFORCEMENT, 4"
- ⑩ EXISTING BITUMINOUS CONCRETE BINDER COARSE, 12"
- ⑪ EXISTING LEVELING BINDER (MACHINE METHOD) - 0.75"
- ⑫ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIX D, - 1.5"
- ⑬ EXISTING CONCRETE TYPE B - 15.6 CURB AND GUTTER
- ⑭ EXISTING P.C.C. SIDEWALK, 4"
- ⑮ EXISTING LEVELING BINDER (MACHINE METHOD) - VARIABLE DEPTH

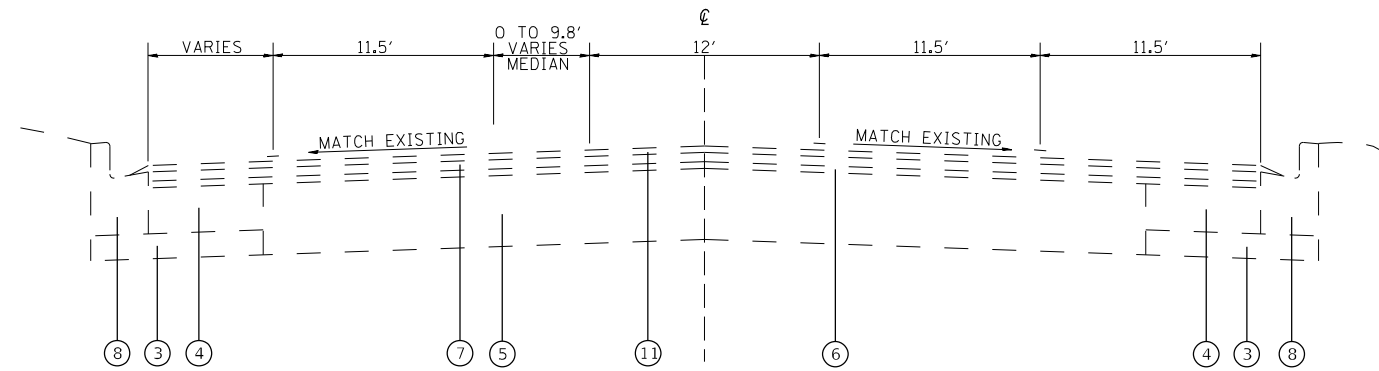
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PLOT DATE = 8/20/2021	DATE -	REVISED -

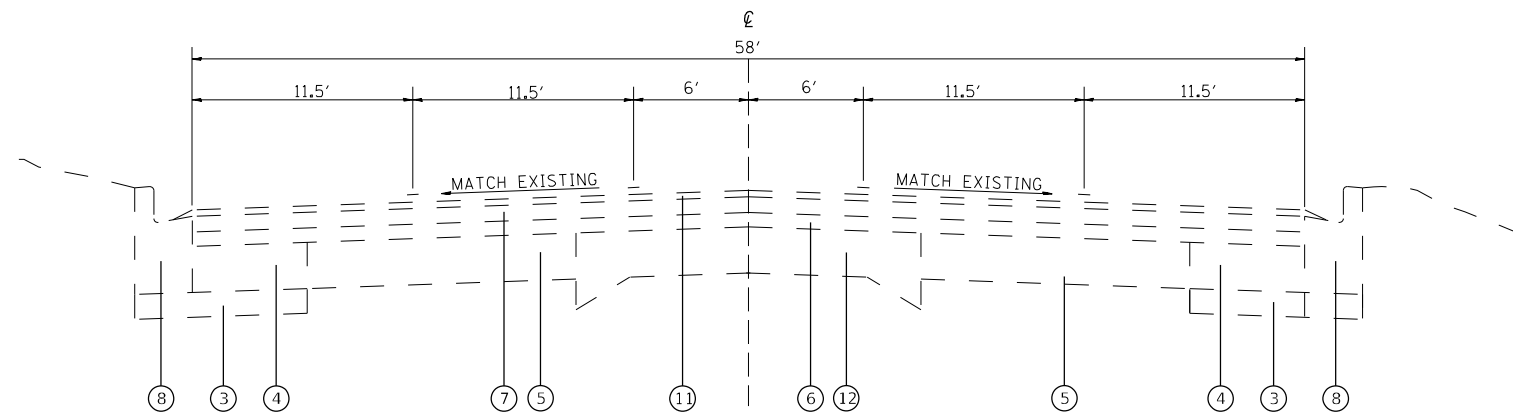
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		789/10	(60Z,261,1)PP-1	MADISON	20	11
SCALE:	SHEET 7	OF 12 SHEETS	STA.	TO STA.		

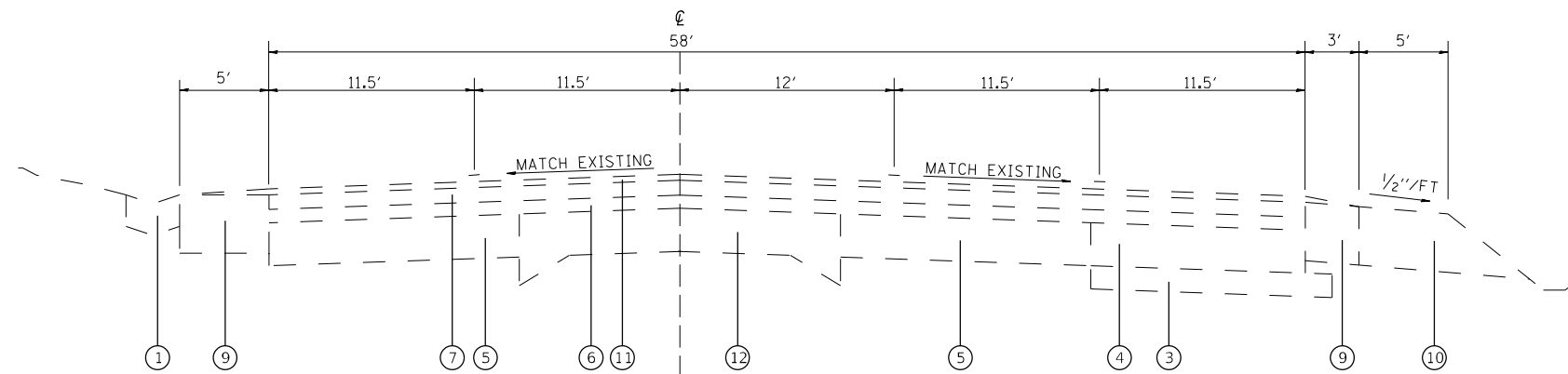
		ILLINOIS	FED. AID PROJECT
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EXISTING TYPICAL SECTION
MILE STA. 0.02 (IL 111) TO MILE STA. 0.05 (IL 111)



EXISTING TYPICAL SECTION
MILE STA. 0.05 (IL 111) TO MILE STA. 0.13 (IL 111)



EXISTING TYPICAL SECTION
MILE STA. 0.13 (IL 111) TO MILE STA. 0.39 (IL 111)

LEGEND

- ① EXISTING CONCRETE GUTTER TYPE A
- ② EXISTING PCC SIDEWALK, 4"
- ③ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
- ④ EXISTING P.C.C. BASE COURSE WIDENING, 8"
- ⑤ EXISTING P.C.C. BASE COURSE 8"
- ⑥ EXISTING LEVELING BINDER (MACHINE METHOD), MIX C, TYPE 2, 1"
- ⑦ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIX D, CLASS I, TYPE 2, 1.5"
- ⑧ EXISTING COMBINATION CONCRETE CURB AND GUTTER, B-6.24
- ⑨ EXISTING BITUMINOUS SHOULDERS, 6"
- ⑩ EXISTING AGGREGATE SHOULDERS, TYPE A, 6"
- ⑪ EXISTING MICRO-SURFACING SINGLE PASS, TYPE II, 1/2" (WITH RUT FILLING)
- ⑫ EXISTING PAVEMENT

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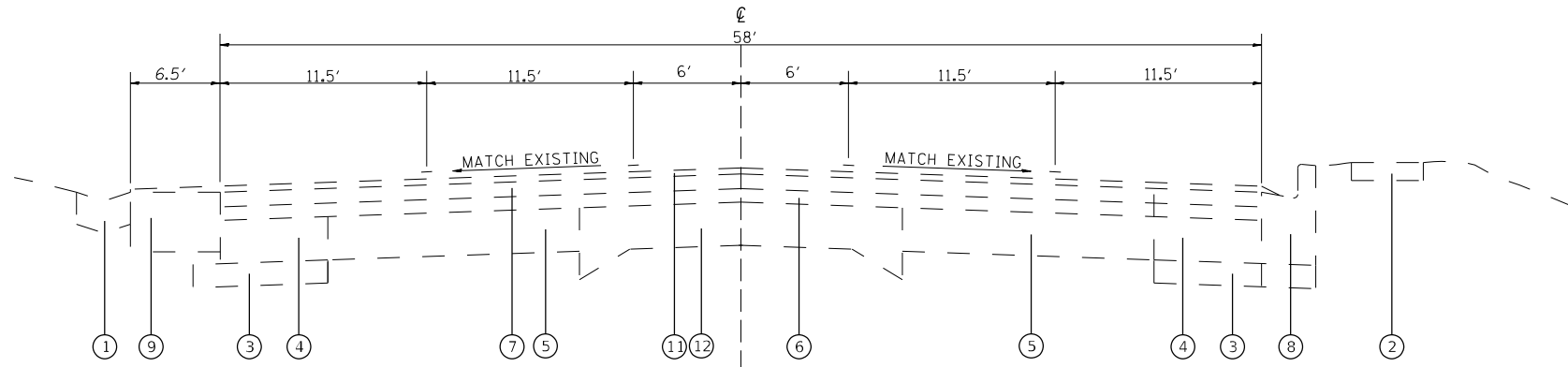
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

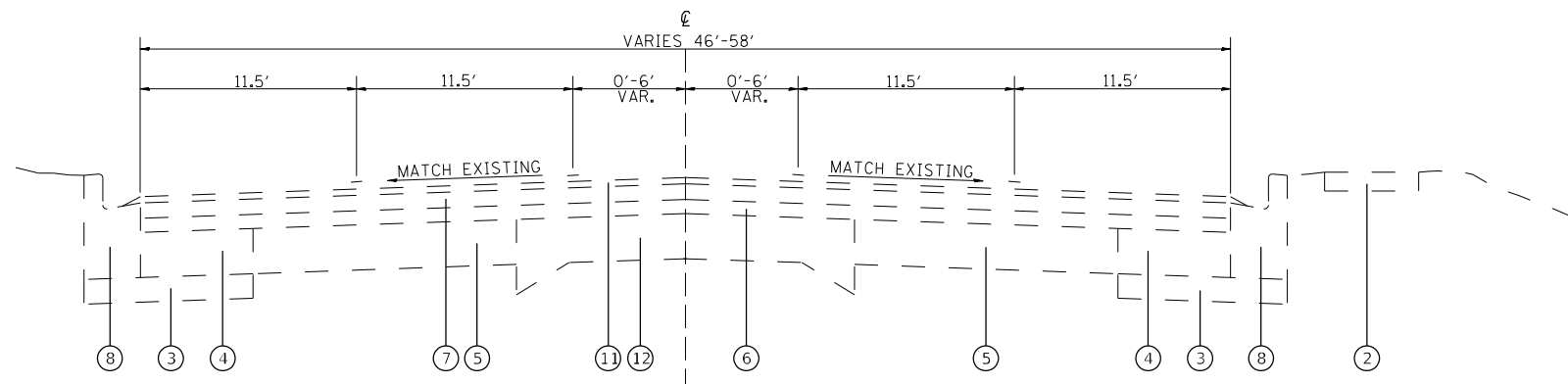
TYPICAL SECTIONS

SCALE: SHEET 8 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789/10	(60Z.261.1)PP-1	MADISON	20	12
CONTRACT NO. 76P84				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
MILE STA. 0.39 (IL 111) TO MILE STA. 0.57 (IL 111)



EXISTING TYPICAL SECTION
MILE STA. 0.57 (IL 111) TO MILE STA. 0.67 (IL 111)

LEGEND

- ① EXISTING CONCRETE GUTTER TYPE A
- ② EXISTING PCC SIDEWALK, 4"
- ③ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
- ④ EXISTING P.C.C. BASE COURSE WIDENING, 8"
- ⑤ EXISTING P.C.C. BASE COURSE 8"
- ⑥ EXISTING LEVELING BINDER (MACHINE METHOD), MIX C, TYPE 2, 1"
- ⑦ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIX D, CLASS I, TYPE 2, 1.5"
- ⑧ EXISTING COMBINATION CONCRETE CURB AND GUTTER, B-6.24
- ⑨ EXISTING BITUMINOUS SHOULDERS, 6"
- ⑩ EXISTING AGGREGATE SHOULDERS, TYPE A, 6"
- ⑪ EXISTING MICRO-SURFACING SINGLE PASS, TYPE II, 1/2" (WITH RUT FILLING)
- ⑫ EXISTING PAVEMENT

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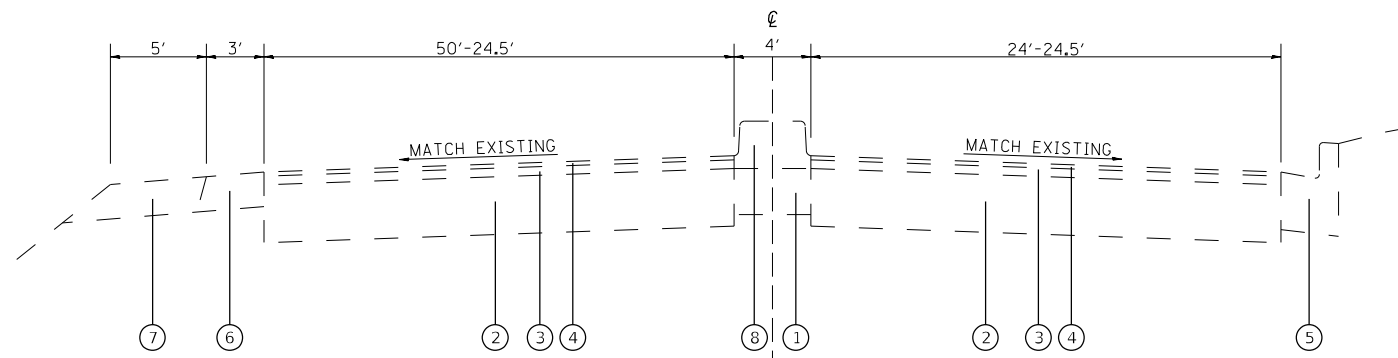
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

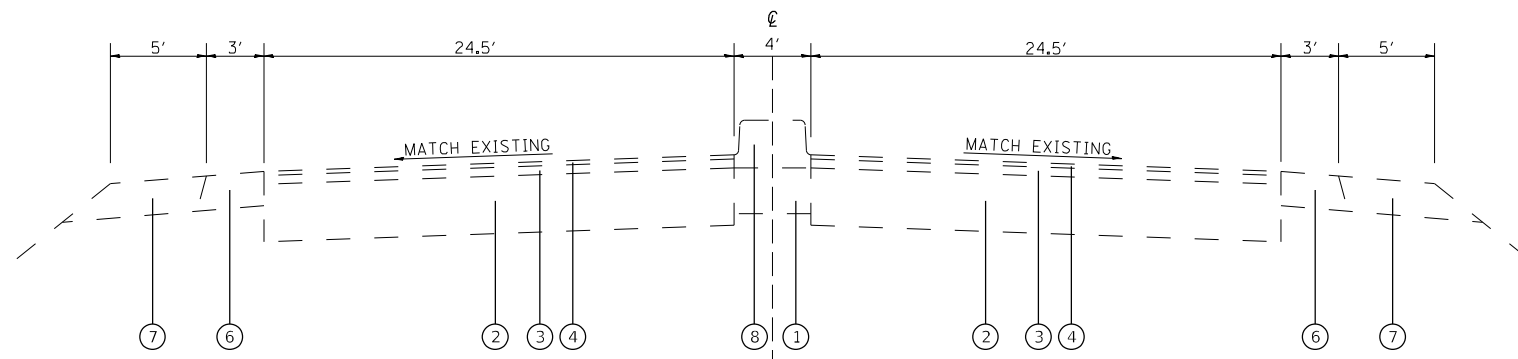
TYPICAL SECTIONS

SCALE: SHEET 9 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789/10	(60Z,261,1)PP-1	MADISON	20	13
CONTRACT NO. 76P84				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
MILE STA. 0.67 (IL 111/IL 3) TO MILE STA. 0.75 (IL 111/IL 3)



EXISTING TYPICAL SECTION
MILE STA. 0.75 (IL 111/IL 3) TO MILE STA. 0.79 (IL 111/IL 3)

LEGEND

- ① EXISTING P.C.C. PAVEMENT, 8"
- ② EXISTING P.C.C. PAVEMENT, 10"
- ③ EXISTING LEVELING BINDER (MACHINE METHOD), MIX C, TYPE 1, 0.75"
- ④ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIX E, CLASS I, TYPE 1, 1.5"
- ⑤ EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ⑥ EXISTING BITUMINOUS SHOULDERS, 6"
- ⑦ EXISTING AGGREGATE SHOULDERS, TYPE B, 6"
- ⑧ EXISTING CONCRETE MEDIAN

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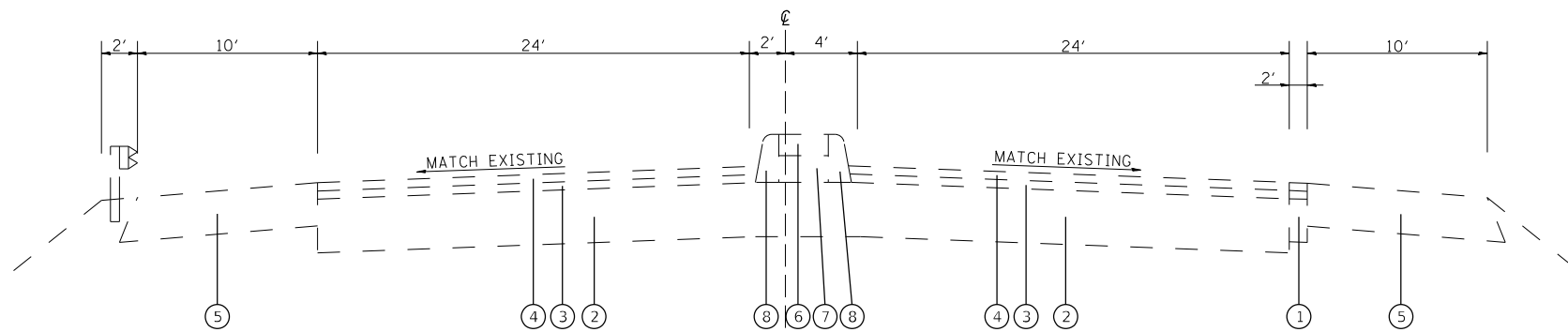
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

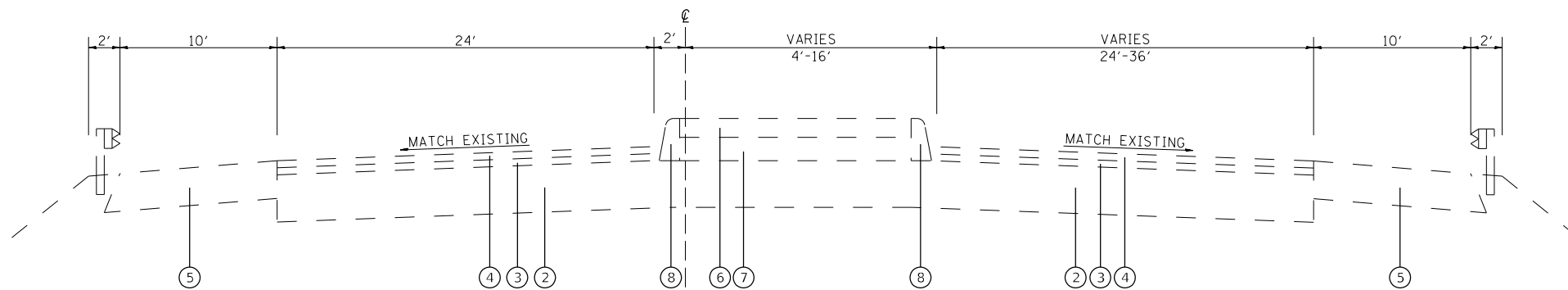
TYPICAL SECTIONS

SCALE: SHEET 10 OF 12 SHEETS STA. TO STA.

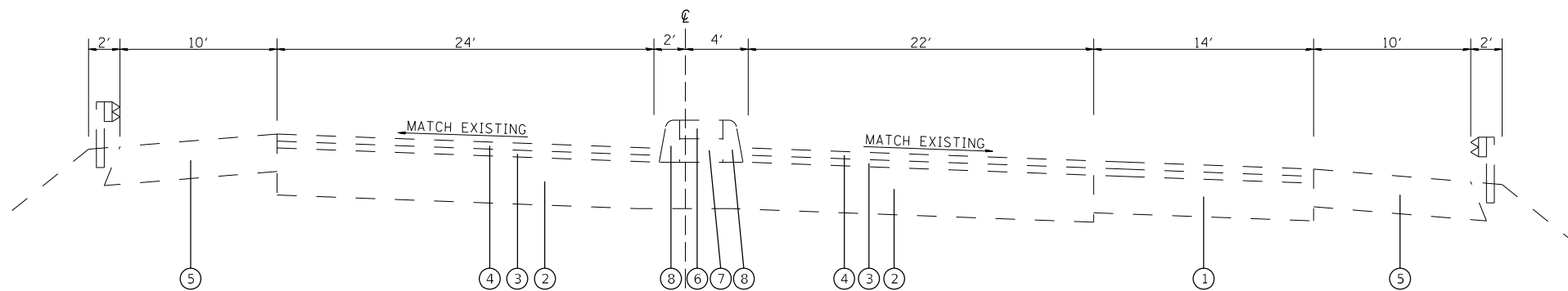
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789/10	(60Z,261,1)PP-1	MADISON	20	14
CONTRACT NO. 76P84				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
 MILE STA. 0.79 (IL 111/IL 3) TO MILE STA. 0.83 (IL 111/IL 3)
 *MEDIAN NOT TYPICAL THROUGH INTERSECTION



EXISTING TYPICAL SECTION
 MILE STA. 0.83 (IL 111/IL 3) TO MILE STA. 0.94 (IL 111/IL 3)
 *MEDIAN NOT TYPICAL THROUGH INTERSECTION



EXISTING TYPICAL SECTION
 MILE STA. 0.94 (IL 111/IL 3) TO MILE STA. 0.99 (IL 111/IL 3)
 *MEDIAN NOT TYPICAL THROUGH INTERSECTION

LEGEND

- ① EXISTING P.C.C. BASE COURSE, 8"
- ② EXISTING P.C.C. PAVEMENT, 10"
- ③ EXISTING LEVELING BINDER, 1.75"
- ④ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIX D, CLASS I, TYPE 1, 1.5"
- ⑤ EXISTING BITUMINOUS SHOULDERS, 8"
- ⑥ EXISTING CONCRETE MEDIAN, 4"
- ⑦ EXISTING SAND BACKFILL
- ⑧ EXISTING CONCRETE CURB, TYPE M

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET 11 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789/10	(60Z.261.1)PP-1	MADISON	20	15
CONTRACT NO. 76P84				
ILLINOIS FED. AID PROJECT				

CLASS B PATCHING 13" SCHEDULE

LOCATION			LENGTH	WIDTH	QUANTITY	TYPE II	TYPE III	TYPE IV	DOWEL BARS	TIE BARS	WELDED WIRE REINFORCEMENT	SAWCUT
MILE STA.	BOUND	LANE	FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	1 1/2 INCH EACH	3/4 INCH EACH	SQ YD	FT
IL 111/US 67												
4.08	SB	1	12	12	16		16.0		20		15.0	60
4.08	SB	2	12	12	16		16.0		20		15.0	60
4.93	SB	2	60	12	80			80.0	20	19	80.0	156
IL 111/US 67 SUBTOTAL						0.0	32.0	80.0	60	19	112.0	276
IL 111/IL 3												
0.81	EB	1	16	12	21		21.3		20		21.3	68
0.81	EB	2	16	12	21		21.3		20		21.3	68
1.01	EB	1	12	12	16		16.0		20		15.0	60
1.01	EB	2	80	12	107			106.7	20	26	106.7	196
1.11	EB	2	200	12	267			266.7	20	66	266.7	436
0.81	WB	1.00	12	16	21		21.3		28		21.3	72
0.81	WB	2.00	12	16	21		21.3		28		21.3	72
0.81	WB	LTL	6	12	8	8.0			20			48
0.91	WB	1.00	6	12	8	8.0			20			48
0.91	WB	2.00	6	12	8	8.0			20			48
1.11	WB	2.00	12	12	16		16.0		20		15.0	60
IL 111/IL 3 SUBTOTAL						24.0	117.2	373.4	236	92.0	490.7	1176
ROUNDED SUBTOTAL						24	150	454	296	111	603	1452
ANTICIPATED FAILURES (15%)						4	23	68	44	17	90	218
TOTAL						28	173	522	340	128	693	1670

PARTIAL DEPTH PATCHING SCHEDULE

LOCATION			LENGTH	WIDTH	QUANTITY	LONGITUDINAL PARTIAL DEPTH PATCHING	LONGITUDINAL PARTIAL DEPTH REMOVAL 2 1/2"	PARTIAL DEPTH PATCHING	PARTIAL DEPTH REMOVAL, TYPE II, 2.5"	PARTIAL DEPTH REMOVAL, TYPE IV, 2.5"
MILE STA.	BOUND	LANE	FT	FT	SQ YD	TON	FOOT	TON	SQ YD	SQ YD
IL 111/IL 3										
0.81	EB	2	880	12	1173			164.3		1173.3
1.01	EB	2	240	12	320			44.8		320.0
1.01	EB	2	240	12	320			44.8		320.0
0.81	WB	1	6	12	8			1.1	8.0	
0.81	WB	1	6	12	8			1.1	8.0	
0.81	WB	1	240	12	320			44.8		320.0
0.81	WB	2	160	12	213			29.9		213.3
0.81	WB	2	240	12	320			44.8		320.0
0.81	WB	LTL	240	12	320			44.8		320.0
0.81	WB	RTL	240	12	320			44.8		320.0
0.91	WB	2	240	2	53	7.5	240			
1.21	WB	2	200	12	267			37.3		266.7
IL 111/IL 3 SUBTOTAL						7.5	240	502.5	16.0	3573.3
TOTAL						7.5	240	502.5	16	3574

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PLOT DATE = 8/20/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
798/10	(60Z.261.1)PP-1	MADISON	20	17
CONTRACT NO. 76P84				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE

LOCATION			LENGTH FT	PAINT PAVEMENT MARKINGS					RAISED REFLECTIVE PAVEMENT MARKER EACH	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL EACH
				4" SOLID WHITE FT	4" SOLID YELLOW FT	4" SKIP- DASH YELLOW FT	4" SKIP-DASH WHITE FT	LETTERS AND SYMBOLS SQ FT		
MILE STA.	BOUND	LANE								
IL 111/US 67										
4.08	SB	1	12		12	3		1		
4.08	SB	2	12	12			10	1		
4.93	SB	2	60				15	1		
IL 111/US 67 SUBTOTAL				12	12	3	25	3	0	
IL 111/IL 3										
0.81	EB	1	16		16		10	1		
0.81	EB	2	16	16						
0.81	EB	2	880	880						
1.01	EB	1	12		12		10	1		
1.01	EB	2	80	80						
1.01	EB	2	240	240						
1.01	EB	2	240	240						
1.11	EB	2	200	200						
0.81	WB	1	6		6		10	1	1	
0.81	WB	1	6		6		10	1	1	
0.81	WB	1	12		12		10	1		
0.81	WB	1	240		240		60	3	3	
0.81	WB	2	160	160						
0.81	WB	2	240	240						
0.81	WB	2	12	12						
0.81	WB	LTL	6	6	6			1		
0.81	WB	LTL	240	240	240			3	3	
0.81	WB	RTL	240	240	240			3	3	
0.91	WB	1	6		6		10	1		
0.91	WB	2	6	6						
0.91	WB	2	240	240						
1.11	WB	2	12	12						
1.21	WB	2	200	200						
IL 111/IL 3 SUBTOTAL				3012	784	0	120	62	16	11
SUBTOTAL				3024	796	3	145	62	19	11
TOTAL				3968			62	19	11	

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PLOT DATE = 8/20/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
798/10	(60Z.261.1)PP-1	MADISON	20	18
CONTRACT NO. 76P84				
ILLINOIS FED. AID PROJECT				

DETECTOR LOOP 161 REQUIREMENTS AND CALCULATIONS FOR IL 003 (HOMER ADAMS PKWY.) & IL 111 (GODFREY RD.)					
LOOP#	PHASE#	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. NB LT CD	1	6' x 50'(Q)	3-6-3	839.90	2.82
2. NB THRU CD	8	6' x 50'(Q)	3-6-3	836.16	5.73
3. NB RT CD	8	6' x 50'(Q)	3-6-3	833.52	3.67
4. WB LT CD	5	6' x 50'(Q)	3-6-3	819.22	2.35
5. WB THRU 1 CD	2	6' x 50'(Q)	3-6-3	815.26	2.26
6. WB THRU 2 CD	2	6' x 50'(Q)	3-6-3	811.96	2.18
7. SB CCO 1	4	NA	NA	NA	NA
8. SB CCO 2	4	NA	NA	NA	NA
9. SB CCO 3	4	NA	NA	NA	NA
10. SB CCO 4	4	NA	NA	NA	NA
11. SB LT CD	7	6' x 50'(Q)	3-6-3	837.70	2.77
12. SB THRU 1 CD	4	6' x 50'(Q)	3-6-3	834.84	2.70
13. SB THRU 2 CD	4	6' x 50'(Q)	3-6-3	832.42	2.65
14. SB THRU- RT CD	4	6' x 50'(Q)	3-6-3	830.44	2.60
15. EB LT CD	1	6' x 50'(Q)	3-6-3	869.82	3.50
16. EB THRU CD	6	6' x 50'(Q)	3-6-3	866.52	3.42
17. EB RT CD	6	6' x 50'(Q)	3-6-3	868.72	3.47

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

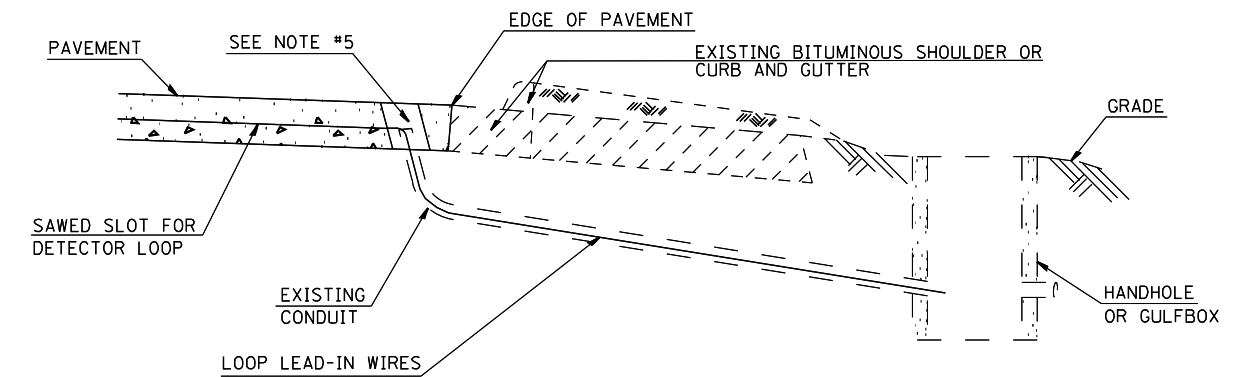
Q=QUADRAPOLE

=SEE DETAIL "A"

NOTES:

SEE TABLE "DETECTOR LOOP REQUIREMENTS AND CALCULATIONS" FOR LOOP SIZE AND CALCULATED NUMBER OF TURNS.
SEE "DETAIL A" FOR INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUITS.

SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	IL 003 (HOMER ADAMS PKWY.) & IL 111 (GODFREY RD.)
CODE NO	ITEM	UNIT		
88690600	DETECTOR LOOP REPLACEMENT	FOOT	618	618



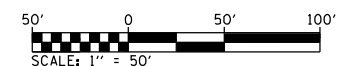
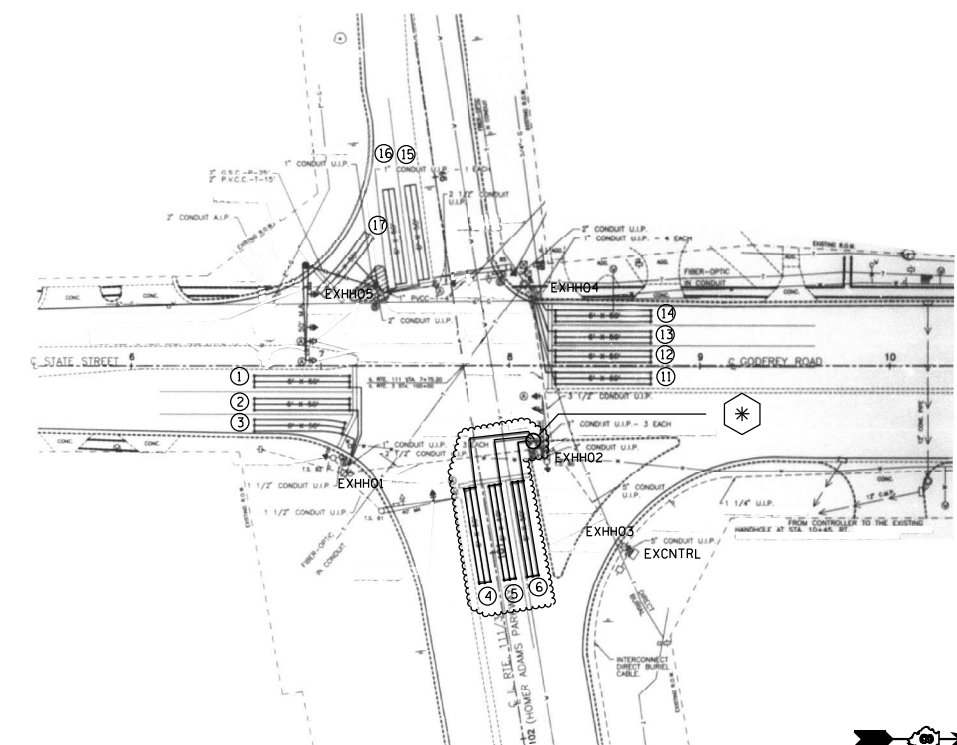
DETAIL A
(NO SCALE)
INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUIT

1. DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
2. REMOVE EXISTING DETECTOR LOOP WIRES TO HANDHOLE OR GULFBBOX.
3. INSTALL NEW LOOP LEAD-IN WIRES IN EXISTING CONDUIT.
4. SPLICE NEW DETECTOR LOOP WIRES TO EXISTING LOOP LEAD-IN CABLE IN HANDHOLE OR GULFBBOX.
5. FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT"

DETECTOR LOOP REPLACEMENT LEGEND

- EX. HANDHOLE
- EX. DETECTOR LOOP
- EX. TRAFFIC SIGNAL CONTROLLER
- EXISTING CONDUIT
- PROPOSED DETECTOR LOOP



MODEL: Default
FILE NAME: p:\pub\homerom.dwg
PROJECT: 0876P84-IL003Data\Electrical\0876P84-15.dwg

USER NAME = prestonme	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/12/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT IL 003 (HOMER ADAMS PKWY.) & IL 111 (GODFREY RD.)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 789/10	SECTION (60Z, 261, 1)PP-1	COUNTY MADISON	TOTAL SHEETS 20	SHEET NO. 20
CONTRACT NO. 76P84				
ILLINOIS FED. AID PROJECT				