

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

W 10TH ST TO ALTON SQUARE MALL DR

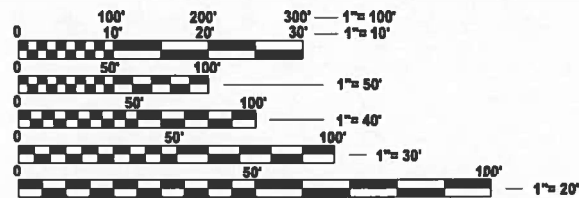
2023 ADT = 12000 (ACTUAL)
 2024 ADT = 12100 (ESTIMATED)
 2044 ADT = 13900 (ESTIMATED)
 SU = 5.6% MU = 2.3%
 DIR DIST 50/50

ALTON SQUARE MALL DR TO NORTHPORT DR

2023 ADT = 9600 (ACTUAL)
 2024 ADT = 9700 (ESTIMATED)
 2044 ADT = 11100 (ESTIMATED)
 SU = 2.9% MU = 1.9%
 DIR DIST 50/50

NORTHPORT DR TO ILL 111

2023 ADT = 9050 (ACTUAL)
 2024 ADT = 9100 (ESTIMATED)
 2044 ADT = 10500 (ESTIMATED)
 SU = 4.1% MU = 2.2%
 DIR DIST 50/50



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 CHERYL KEPLAR
 PROJECT MANAGER EDISON ZOHFONYI

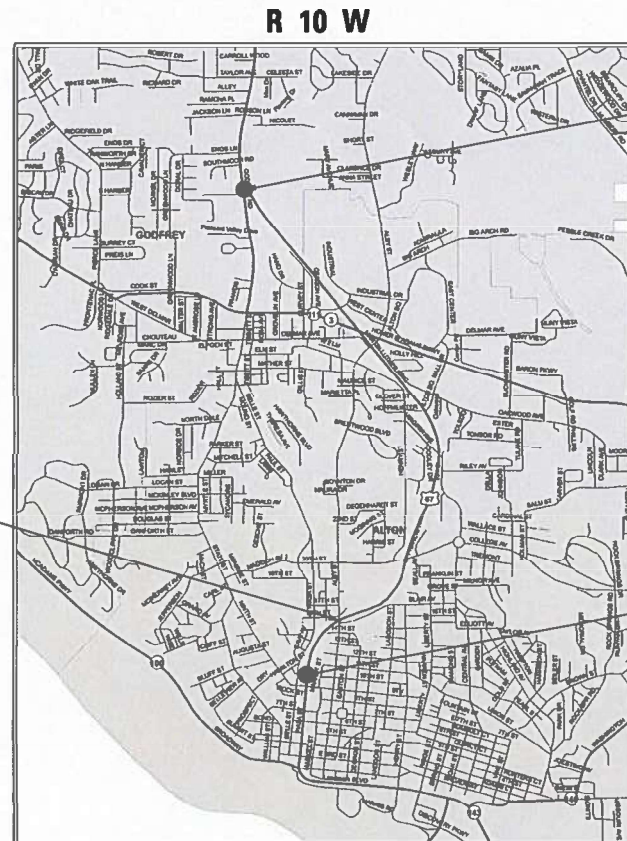
CONTRACT NO. 76T88

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**PROPOSED
 HIGHWAY PLANS**

FAP ROUTE 010 (US 067)
 SECTION (60Z)RS-1, 261RS-3
 PROJECT NHPP-SP5I(504)
 STANDARD OVERLAY
 MADISON COUNTY

C-98-133-24



BRIDGE OMISSION
 S.N. 060-0254
 STA. 1029 + 63.16 TO
 STA. 1028 + 02.16

END PROJECT
 IL 111
 STA. 1178 + 07
 LAT: 38.933408
 LONG: -90.191948

BEGIN PROJECT
 10TH STREET
 STA. 1012 + 55
 LAT: 38.897276
 LONG: -90.185819

GROSS LENGTH = 16552 FT. = 3.14 MILE
 NET LENGTH = 16113 FT. = 3.05 MILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
010	(60Z)RS-1, 261RS-3	MADISON	23	1
		ILLINOIS	CONTRACT NO. 76T88	

D-98-062-24



LOCATION OF SECTION INDICATED THUS: - [thick black line] -

FUNCTIONAL CLASSIFICATION
 OTHER PRINCIPAL ARTERIAL

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED MARCH 29, 2024
[Signature]
 REGIONAL ENGINEER

May 10, 2024 [Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

May 10, 2024 [Signature]
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, MIXTURE REQUIREMENT AND COMMITMENTS
3-6	SUMMARY OF QUANTITIES
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15-17	SCHEDULE OF QUANTITIES
18	LOCATION MAP
19-23	DETECTOR LOOPS

HIGHWAY STANDARDS

000001-08	420001-10
001006	442201-03
630001-13	630301-09
701011-04	631011-10
701201-05	631031-18
701306-04	725001-01
701311-03	782006-01
701336-07	886001-01
701501-06	886006-01
701601-09	
701701-10	
701901-09	
780001-05	
781001-04	

GENERAL NOTES

- UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA:
CITY OF ALTON
AMEREN ILLINOIS
AT&T ILLINOIS
CHARTER COMMUNICATIONS, INC.
CLEARWAVE FIBER LLC
EVERSTREAM GLC HOLDING COMPANY LLC
VILLAGE OF GODFREY
ILLINOIS AMERICAN WATER COMPANY
WANRACK, LLC
- NO SURVEY WAS PERFORMED FOR THIS PROJECT AND THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS.
- THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER.
- FOUR CHANGEABLE MESSAGE SIGNS SHALL BE REQUIRED FOR THIS PROJECT. THEY SHALL BE PLACED TWO WEEKS PRIOR TO ANY LANE CLOSURE AND SHALL REMAIN UP FOR THE DURATION OF THE PROJECT. THE CHANGEABLE MESSAGE SIGNS SHALL BE PLACED ALONG US 67 AND IL 111 OR AT THE DIRECTION OF THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.
- 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 WORKFORCE 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 COURSEWORK (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 WORKFORCE AND TRAINEE GOALS.
- ONLY SHORT TERM PAVEMENT MARKING REMOVAL FROM THE FINAL SURFACE SHALL BE PAID FOR AS "SHORT TERM PAVEMENT MARKING REMOVAL."
- THE TEMPORARY RAMPS USED ON ALL SIDE STREETS AND ENTRANCES SHALL BE 3 FEET IN LENGTH SO AS NOT TO INTERFERE WITH THE THRU TRAFFIC LANES.
- BASED ON STRUCTURAL ANALYSIS CONDUCTED BY IDOT, THE FOLLOWING STRUCTURES CAN BE CROSSED WITH AN EMPTY MTD WITH THE FOLLOWING MAXIMUM GROSS WEIGHT RESTRICTION:
 - 60-2468 (40 TONS)
 - 060-0254 (40 TONS)

IF THE SAME MTD IS USED THROUGHOUT THE ENTIRE CONTRACT, THEN IT MUST BE LIMITED TO AN EMPTY GROSS WEIGHT ≤ 40 TONS

COMMITMENTS

NONE

MIXTURE REQUIREMENTS

MIXTURE USE	POLY SURFACE	BINDER	SHOULDER
AC/PG	SBS PG 70-28	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=30
MIX COMPOSITION (GRADATION)	IL 9.5	IL 9.5 FG	IL 9.5L
FRICTION AGG	MIXTURE "D"	MIXTURE "C"	
QUALITY MGMT PROGRAM	QCP	QCP	QCP
MatTranDev Required?	yes	yes	yes

REV. - MS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS,
GENERAL NOTES, MIXTURE REQUIREMENT AND COMMITMENTS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
010	(602)RS-1, 261RS-3	MADISON	23	2
CONTRACT NO. 76T88				
ILLINOIS FED. AID PROJECT				

80% FED
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				ROADWAY
				0005 URBAN
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	49384	49384
40600370	LONGITUDINAL JOINT SEALANT	FOOT	16113	16113
40600990	TEMPORARY RAMP	SQ YD	480	480
40602970	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	3511	3511
40604162	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	4214	4214
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	84663	84663
44201299	DOWEL BARS 1 1/2"	EACH	5	5
44213200	SAW CUTS	FOOT	68	68
44213204	TIE BARS 3/4"	EACH	23	23
48203100	HOT-MIX ASPHALT SHOULDERS	TON	5313	5313
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	11639	11639
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	4	4

* SPECIALTY ITEM

REV. - MS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
010	(602)RS-1, 261RS-3	MADISON	23	3
CONTRACT NO. 76T88				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	
				ROADWAY	URBAN
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	13	13	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	16	16	
63200310	GUARDRAIL REMOVAL	FOOT	11714	11714	
66101150	HOT-MIX ASPHALT SHOULDER CURB	FOOT	8846	8846	
67100100	MOBILIZATION	L SUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	476	476	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4506	4506	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	752	752	

* SPECIALTY ITEM

REV. - MS

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	CHECKED -	REVISED -						CONTRACT NO. 76T88				
PLOT DATE = 3/27/2024	DATE -	REVISED -		SCALE:	SHEET 2	OF 4	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

80% FED
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				ROADWAY
				0005 URBAN
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	250	250
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	61105	61105
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	126	126
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	16	16
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	250	250
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	61105	61105
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	126	126
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	308	308
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	323	323
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	308	308
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	31056	31056
X4402400	CURB REMOVAL (SPECIAL)	FOOT	8846	8846
X4421385	CLASS C PATCHES, TYPE I, 13 INCHES (SPECIAL)	SQ YD	4	4
* X8860105	DETECTOR LOOP REPLACEMENT	FOOT	2482	2482
X4421389	CLASS C PATCHES, TYPE II, 13 INCHES (SPECIAL)	SQ YD	11	11
Z0034105	MATERIAL TRANSFER DEVICE	TON	13038	13038

* SPECIALTY ITEM

REV. - MS

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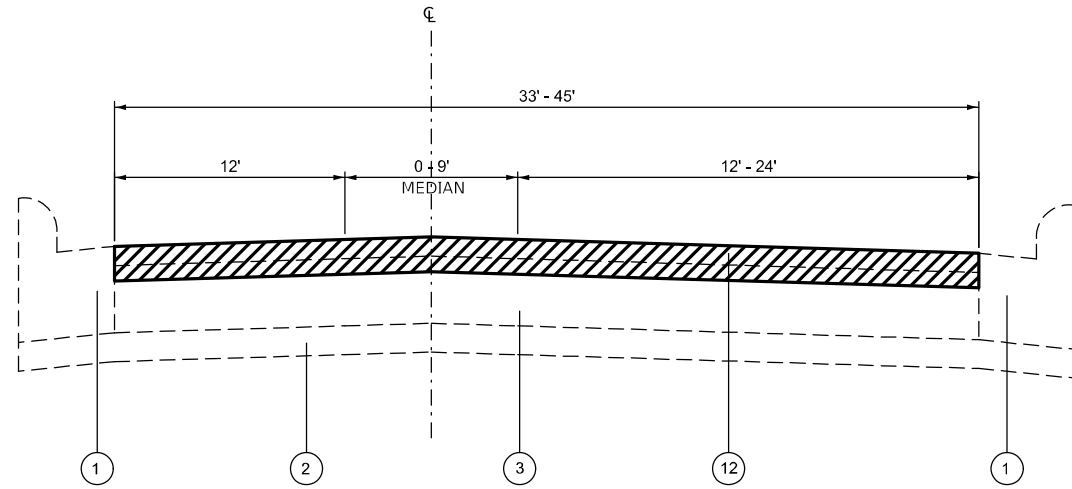
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DEPARTMENT OF TRANSPORTATION**

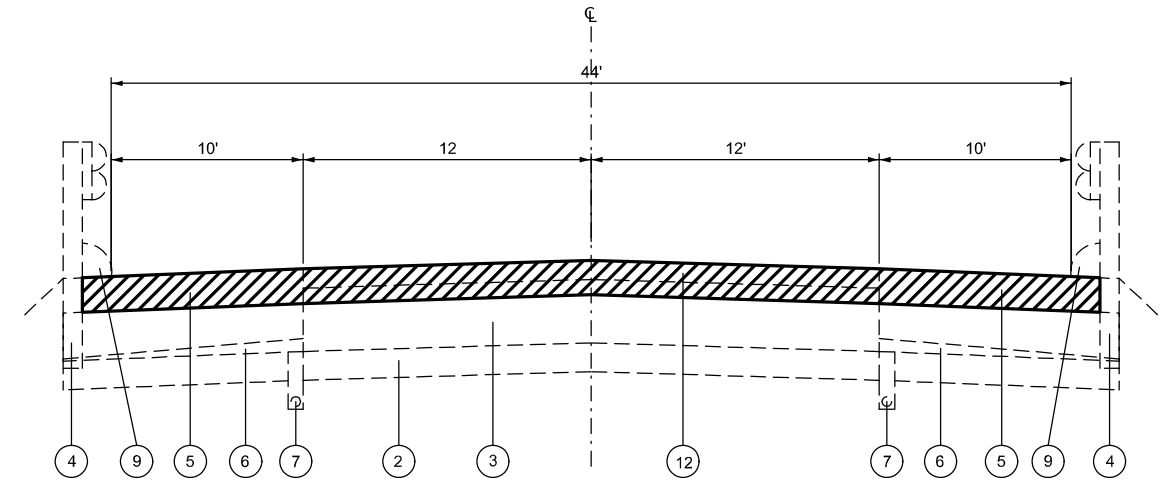
SUMMARY QUANTITIES

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76T88				
ILLINOIS FED. AID PROJECT				



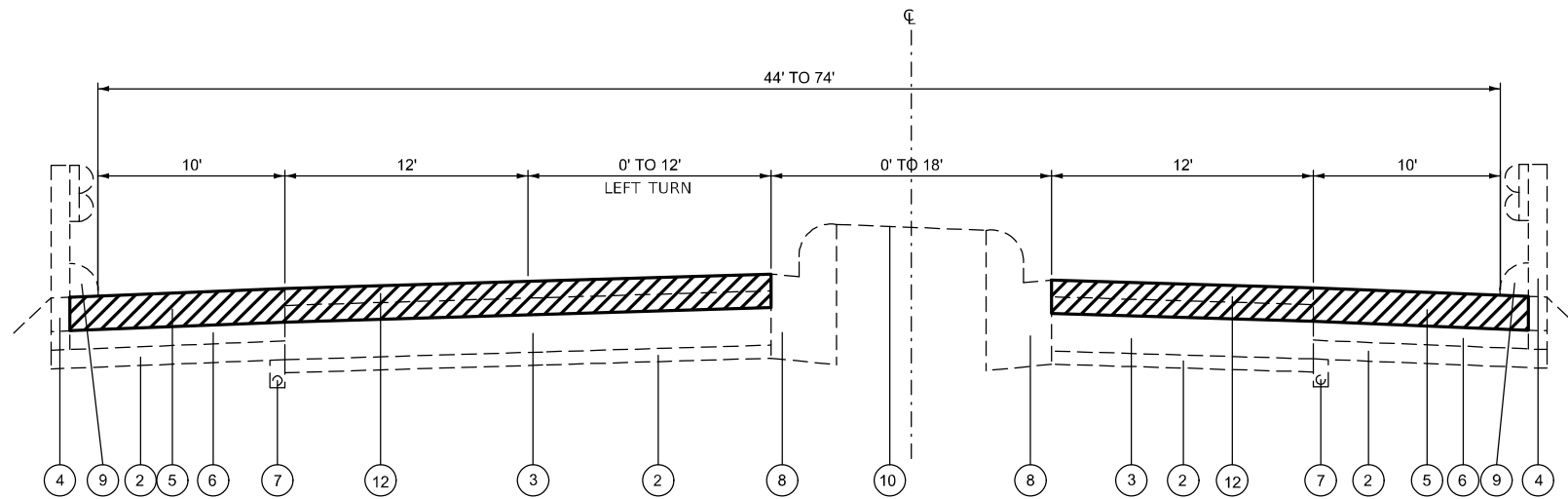
EXISTING TYPICAL SECTION
STA. 1012+55 TO 1014+13



EXISTING TYPICAL SECTION
STA. 1014+13 TO 1028+93
STA. 1028+93 TO 1030+32 (BRIDGE OMISSION)
STA. 1030+32 TO 1044+85
STA. 1119+69 TO 1123+83

LEGEND

- ① EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B 6.24
- ② EXISTING LIME MODIFIED SOIL
- ③ EXISTING HMA FULL DEPTH PAVEMENT 13 1/2"
- ④ EXISTING STEEL PLATE BEAM GUARDRAIL
- ⑤ EXISTING HMA SHOULDER 8"
- ⑥ EXISTING SUBBASE GRANULAR MATERIAL, TYPE C
- ⑦ EXISTING PIPE UNDERDRAIN 8"
- ⑧ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M 6.06
- ⑨ EXISTING HMA SHOULDER CURB
- ⑩ EXISTING CONCRETE MEDIAN 4"
- ⑪ EXISTING CONCRETE BARRIER
- ⑫ PROPOSED HMA SURFACE REMOVAL, 2 3/4"
- ⑬ PROPOSED HMA BINDER COURSE, 1 1/2"
- ⑭ PROPOSED HMA SHOULDER 2 3/4"
- ⑮ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- ⑯ PROPOSED HMA SURFACE COURSE, 1 1/2"
- ⑰ PROPOSED LONGITUDINAL JOINT SEALANT
- ⑱ PROPOSED HMA SHOULDER CURB
- ⑲ PROPOSED STEEL PLATE BEAM GUARDRAIL



EXISTING TYPICAL SECTION
STA. 1044+85 TO 1055+00
STA. 1055+00 TO 1058+00 (INTERSECTION OMISSION)

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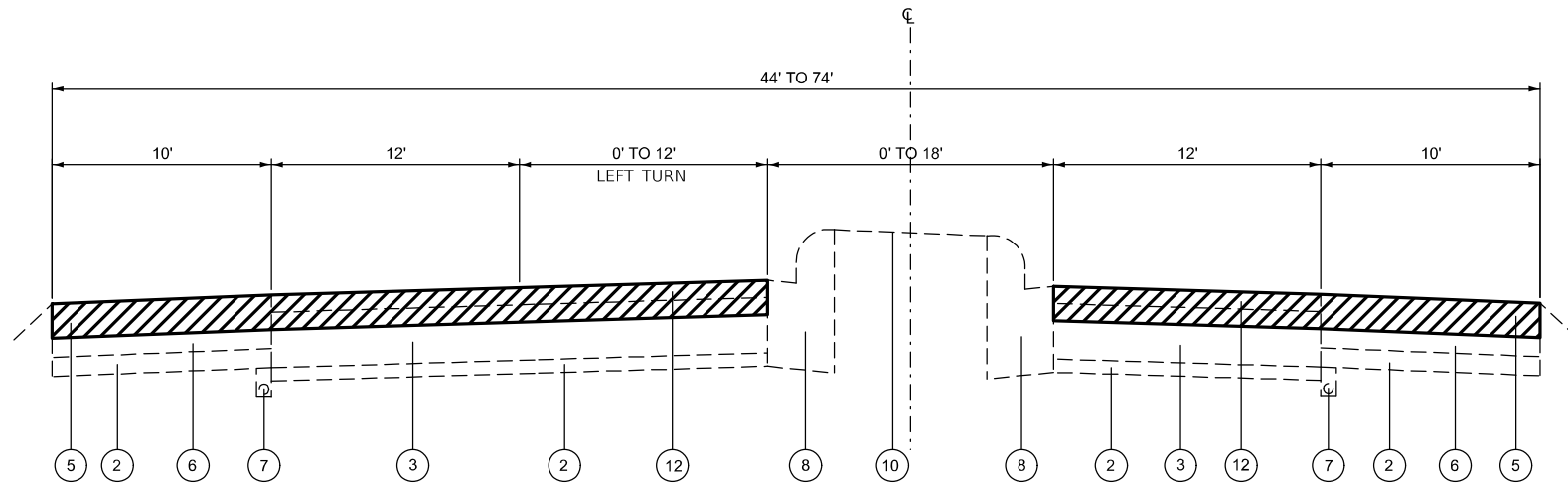
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

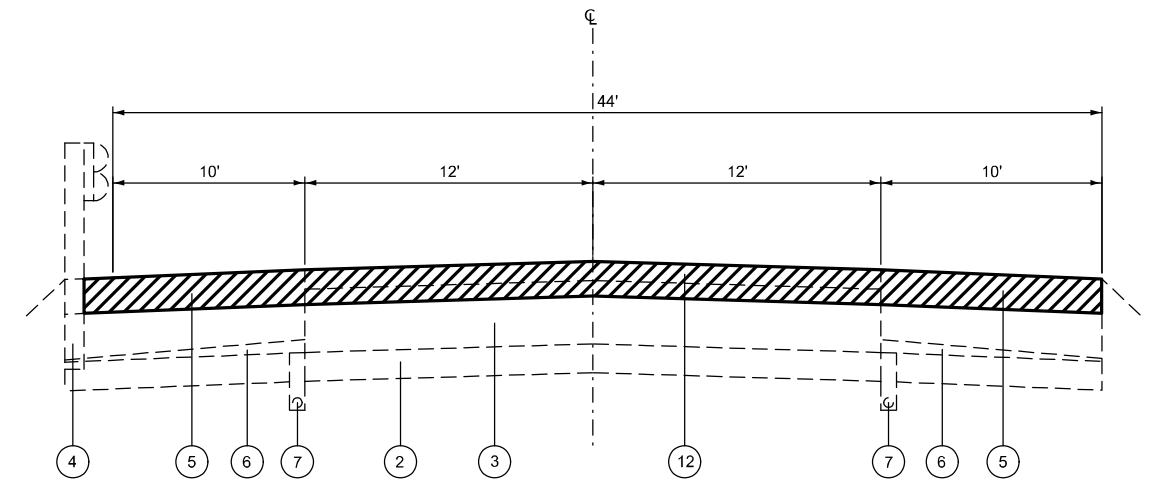
TYPICAL SECTIONS

SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

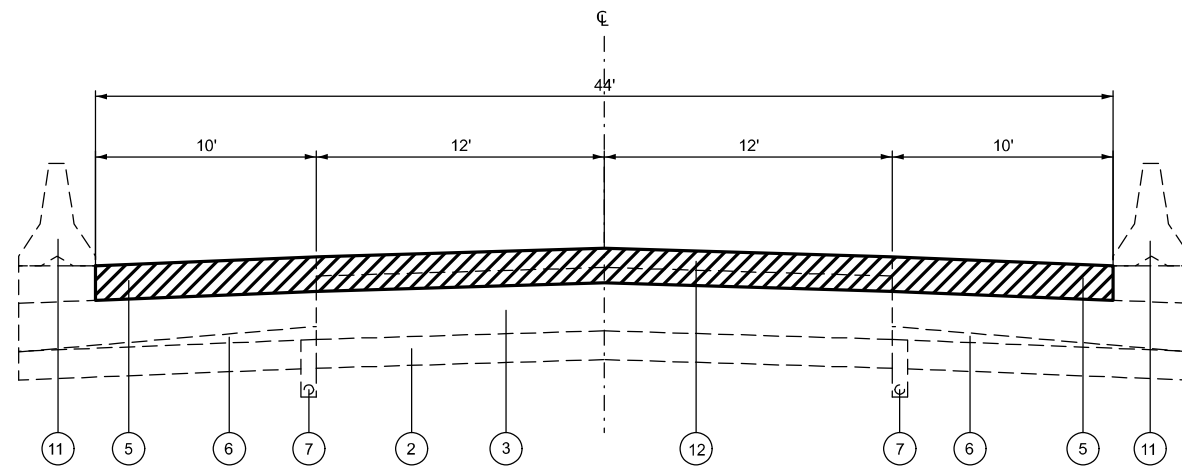
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010	(60Z)RS-1, 2&1RS-3	MADISON	23	7
CONTRACT NO. 76T88				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
 STA. 1058+00 TO 1068+41
 STA. 1123+83 TO 1146+00



EXISTING TYPICAL SECTION
 STA. 1068+41 TO 1076+58



EXISTING TYPICAL SECTION
 STA. 1076+58 TO 1091+00

LEGEND

- ① EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B 6.24
- ② EXISTING LIME MODIFIED SOIL
- ③ EXISTING HMA FULL DEPTH PAVEMENT 13 1/2"
- ④ EXISTING STEEL PLATE BEAM GUARDRAIL
- ⑤ EXISTING HMA SHOULDER 8"
- ⑥ EXISTING SUBBASE GRANULAR MATERIAL, TYPE C
- ⑦ EXISTING PIPE UNDERDRAIN 8"
- ⑧ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M 6.06
- ⑨ EXISTING HMA SHOULDER CURB
- ⑩ EXISTING CONCRETE MEDIAN 4"
- ⑪ EXISTING CONCRETE BARRIER
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- ⑬ PROPOSED HMA BINDER COURSE, 1 1/2"
- ⑭ PROPOSED HMA SHOULDER 2 3/4"
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- ⑯ PROPOSED HMA SURFACE COURSE, 1 1/2"
- ⑰ PROPOSED LONGITUDINAL JOINT SEALANT
- ⑱ PROPOSED HMA SHOULDER CURB
- ⑲ PROPOSED STEEL PLATE BEAM GUARDRAIL

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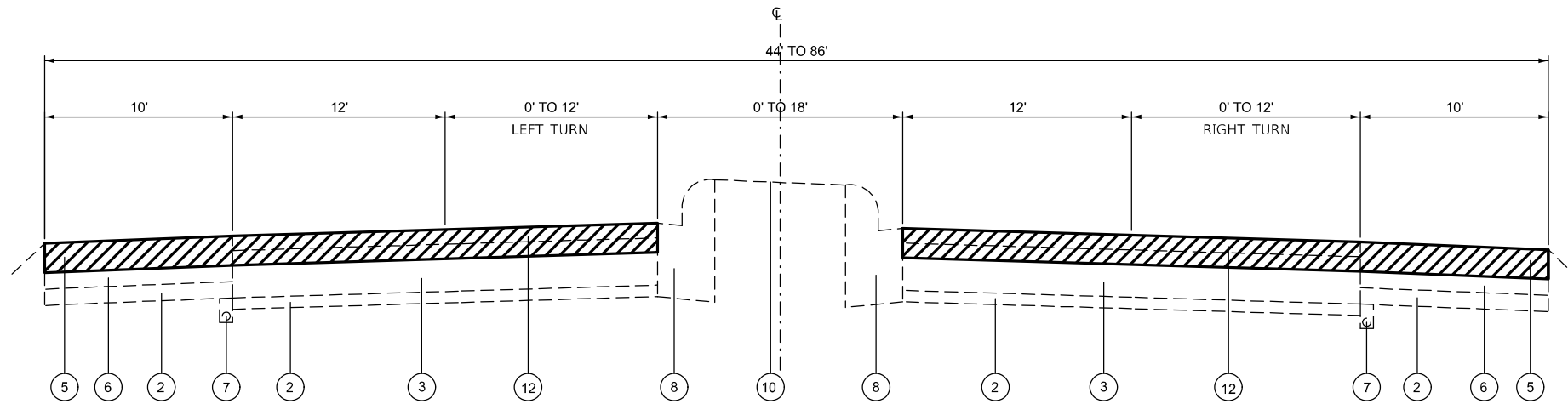
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: SHEET 2 OF 8 SHEETS STA. TO STA.

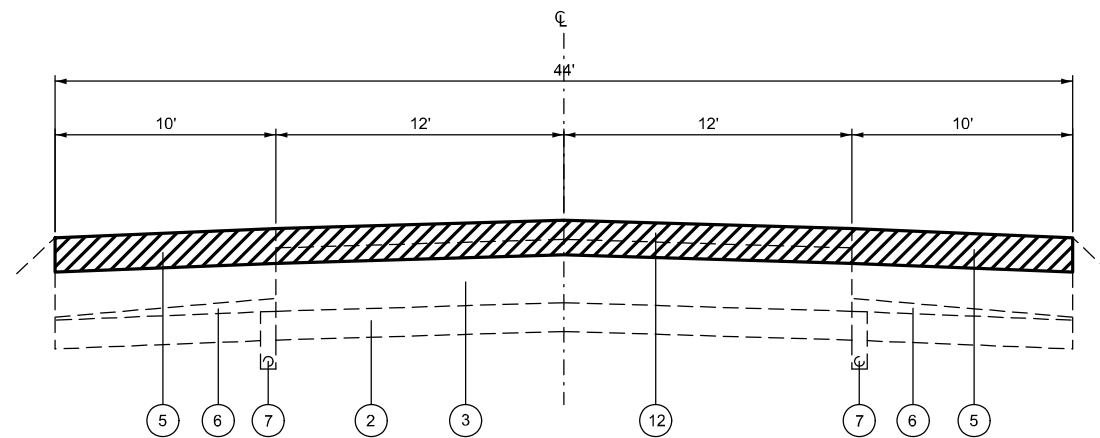
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CONTRACT NO. 76T88				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
STA. 1091+00 TO 1109+63

LEGEND

- ① EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B 6.24
- ② EXISTING LIME MODIFIED SOIL
- ③ EXISTING HMA FULL DEPTH PAVEMENT 13 1/2"
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- ⑱ PROPOSED HMA SHOULDER CURB
- ⑲ PROPOSED STEEL PLATE BEAM GUARDRAIL



EXISTING TYPICAL SECTION
STA. 1109+63 TO 1119+69
STA. 1146+00 TO 1158+78

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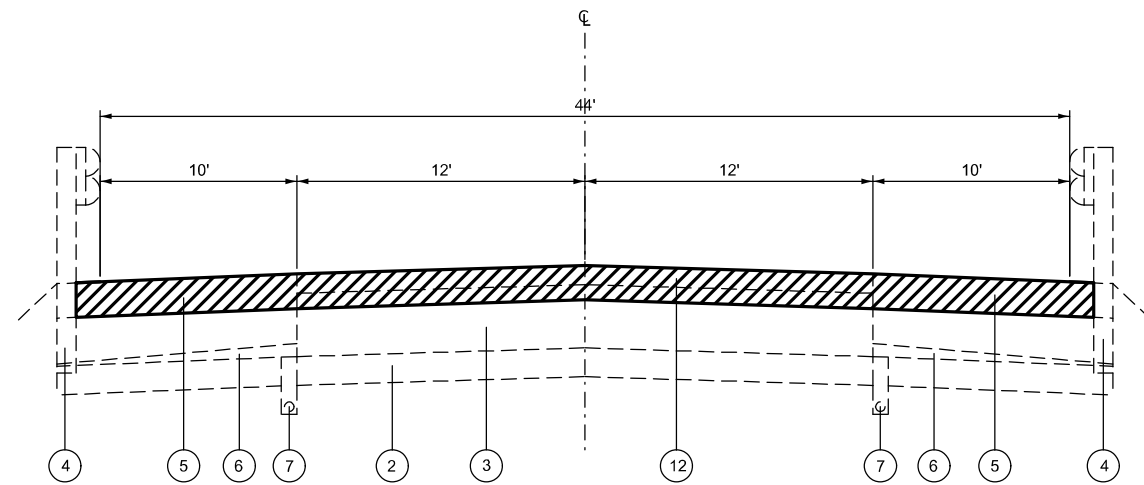
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: SHEET 3 OF 8 SHEETS STA. TO STA.

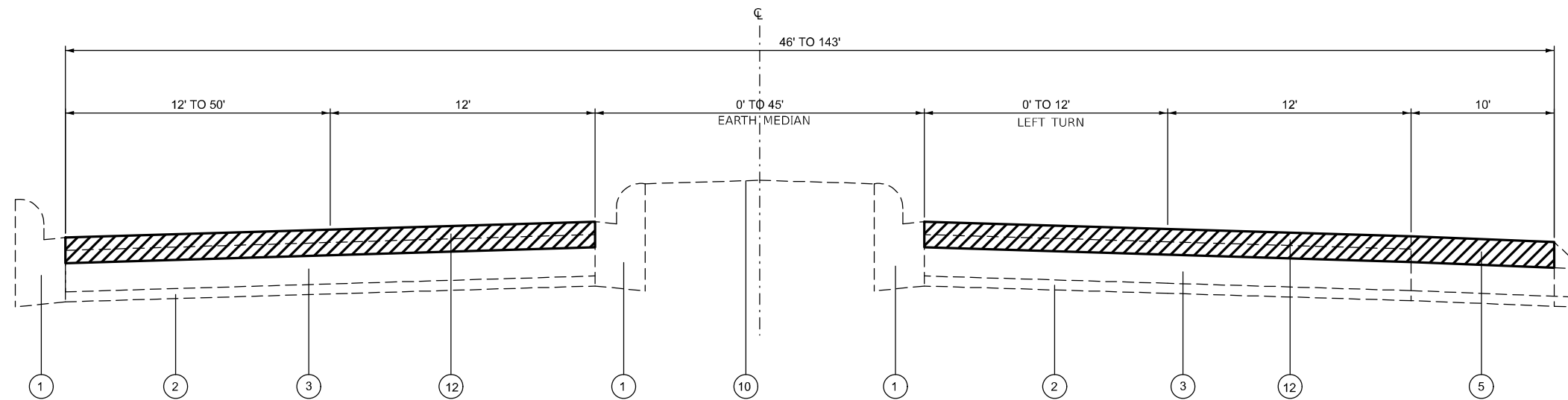
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CONTRACT NO. 76T88				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
STA. 1158+78 TO 1173+37

LEGEND

- ① EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B 6.24
- ② EXISTING LIME MODIFIED SOIL
- ③ EXISTING HMA FULL DEPTH PAVEMENT 13 1/2"
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- ⑱ PROPOSED HMA SHOULDER CURB
- ⑲ PROPOSED STEEL PLATE BEAM GUARDRAIL



EXISTING TYPICAL SECTION
STA. 1173+37 TO 1178+07

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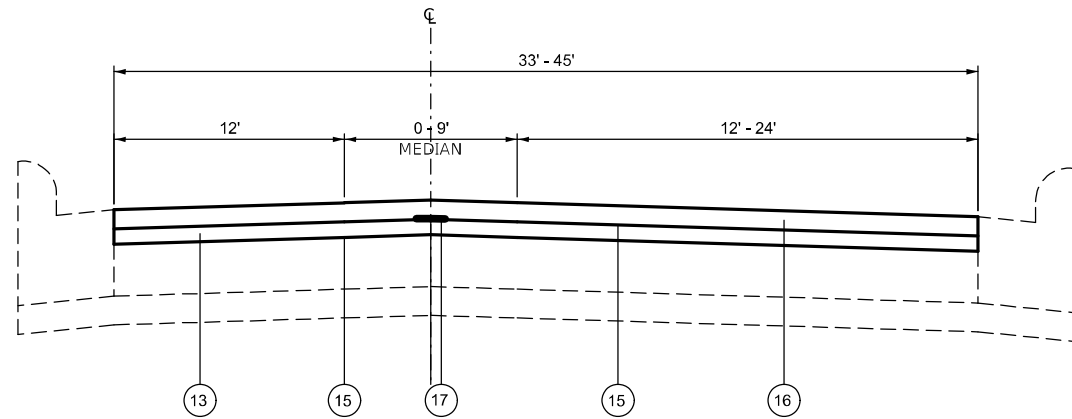
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PLOT DATE = 3/27/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

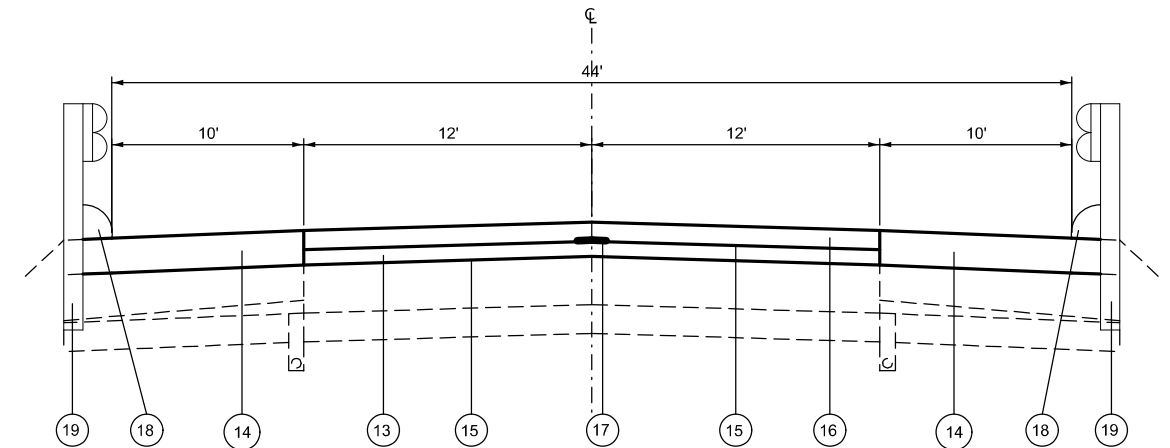
TYPICAL SECTIONS

SCALE: SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
010	(60Z)RS-1, 2&1RS-3	MADISON	23	10
CONTRACT NO. 76T88				
ILLINOIS FED. AID PROJECT				



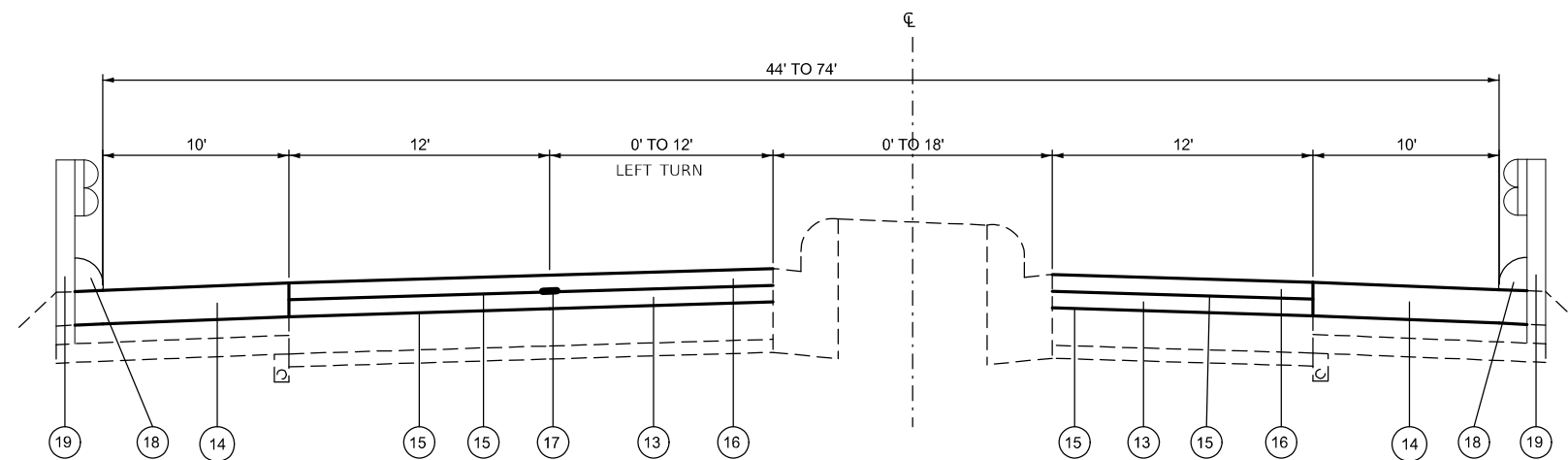
PROPOSED TYPICAL SECTION
STA. 1012+55 TO 1014+13



PROPOSED TYPICAL SECTION
STA. 1014+13 TO 1028+93
STA. 1028+93 TO 1030+32 (BRIDGE OMISSION)
STA. 1030+32 TO 1044+85
STA. 1119+69 TO 1123+83

LEGEND

- ① EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B 6.24
- ② EXISTING LIME MODIFIED SOIL
- ③ EXISTING HMA FULL DEPTH PAVEMENT 13 1/2"
- ④ EXISTING STEEL PLATE BEAM GUARDRAIL
- ⑤ EXISTING HMA SHOULDER 8"
- ⑥ EXISTING SUBBASE GRANULAR MATERIAL, TYPE C
- ⑦ EXISTING PIPE UNDERDRAIN 8"
- ⑧ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M 6.06
- ⑨ EXISTING HMA SHOULDER CURB
- ⑩ EXISTING CONCRETE MEDIAN 4"
- ⑪ EXISTING CONCRETE BARRIER
- ⑫ PROPOSED HMA SURFACE REMOVAL, 2 3/4"
- ⑬ PROPOSED HMA BINDER COURSE, 1 1/2"
- ⑭ PROPOSED HMA SHOULDER 2 3/4"
- ⑮ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- ⑯ PROPOSED HMA SURFACE COURSE, 1 1/2"
- ⑰ PROPOSED LONGITUDINAL JOINT SEALANT
- ⑱ PROPOSED HMA SHOULDER CURB
- ⑲ PROPOSED STEEL PLATE BEAM GUARDRAIL



PROPOSED TYPICAL SECTION
STA. 1044+85 TO 1055+00
STA. 1055+00 TO 1058+00 (INTERSECTION OMISSION)

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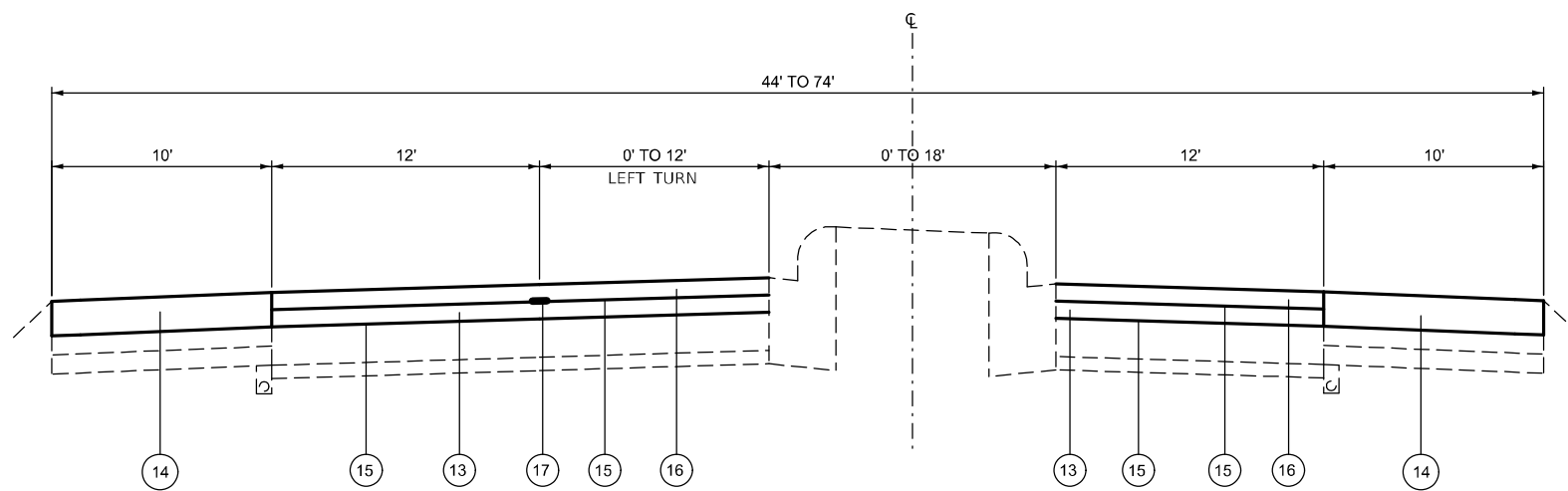
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PLOT DATE = 3/27/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

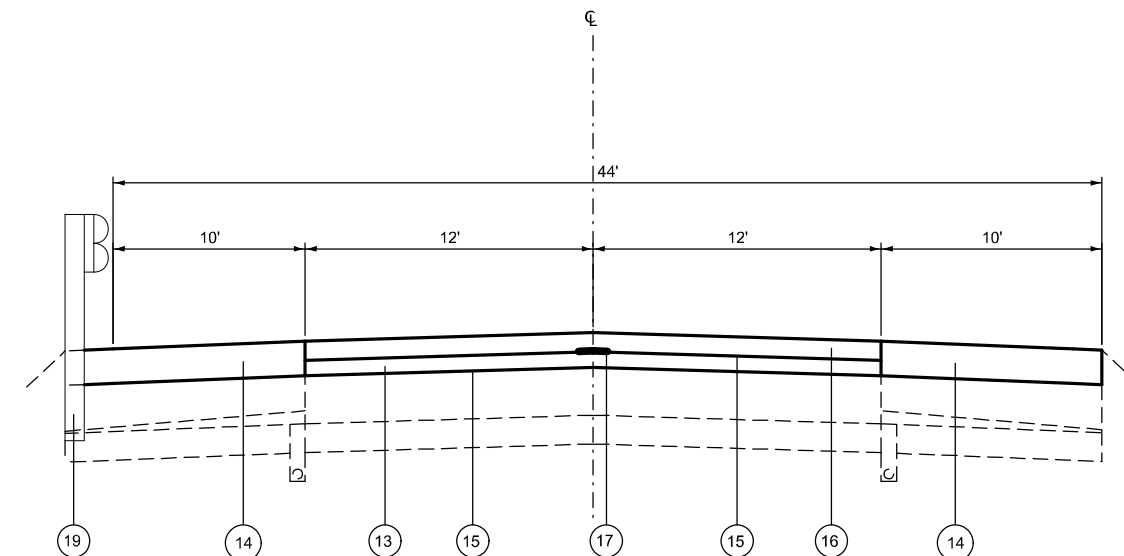
SCALE: SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
010	(60Z)RS-1, 2&1RS-3	MADISON	23	11
CONTRACT NO. 76T88				
ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION

STA. 1058+00 TO 1068+41
 STA. 1123+83 TO 1146+00

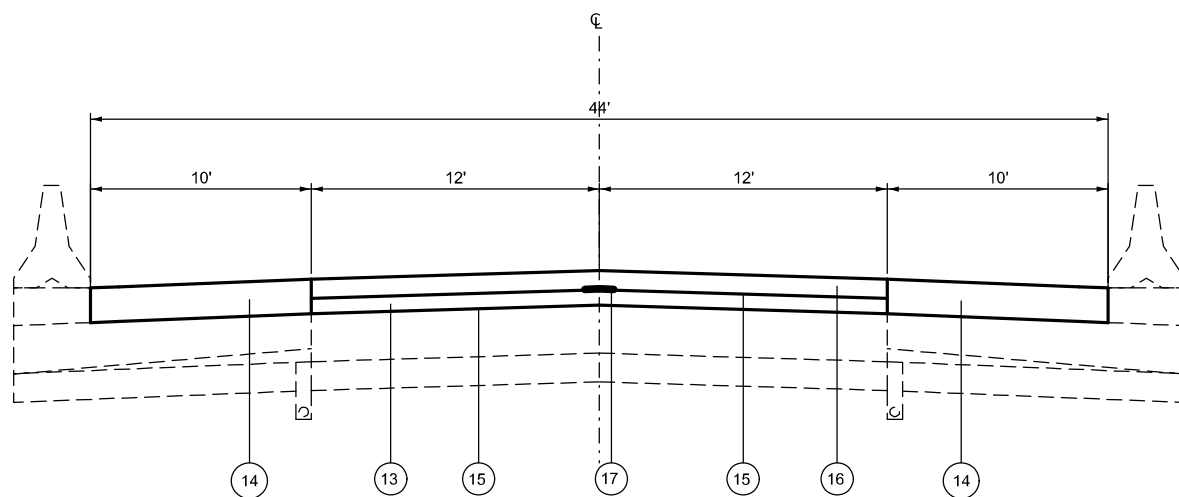


PROPOSED TYPICAL SECTION

STA. 1068+41 TO 1076+58

LEGEND

- ① EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B 6.24
- ② EXISTING LIME MODIFIED SOIL
- ③ EXISTING HMA FULL DEPTH PAVEMENT 13 1/2"
- ④ EXISTING STEEL PLATE BEAM GUARDRAIL
- ⑤ EXISTING HMA SHOULDER 8"
- ⑥ EXISTING SUBBASE GRANULAR MATERIAL, TYPE C
- ⑦ EXISTING PIPE UNDERDRAIN 8"
- ⑧ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M 6.06
- ⑨ EXISTING HMA SHOULDER CURB
- ⑩ EXISTING CONCRETE MEDIAN 4"
- ⑪ EXISTING CONCRETE BARRIER
- ⑫ PROPOSED HMA SURFACE REMOVAL, 2 3/4"
- ⑬ PROPOSED HMA BINDER COURSE, 1 1/4"
- ⑭ PROPOSED HMA SHOULDER 2 3/4"
- ⑮ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- ⑯ PROPOSED HMA SURFACE COURSE, 1 1/2"
- ⑰ PROPOSED LONGITUDINAL JOINT SEALANT
- ⑱ PROPOSED HMA SHOULDER CURB
- ⑲ PROPOSED STEEL PLATE BEAM GUARDRAIL



PROPOSED TYPICAL SECTION

STA. 1076+58 TO 1091+00

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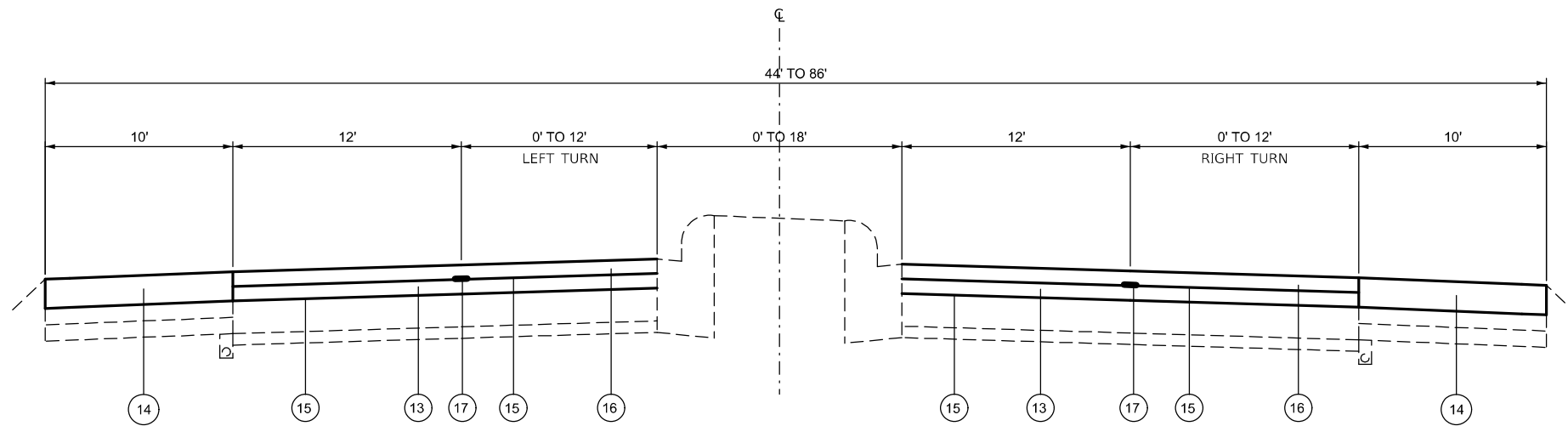
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**STATE OF ILLINOIS
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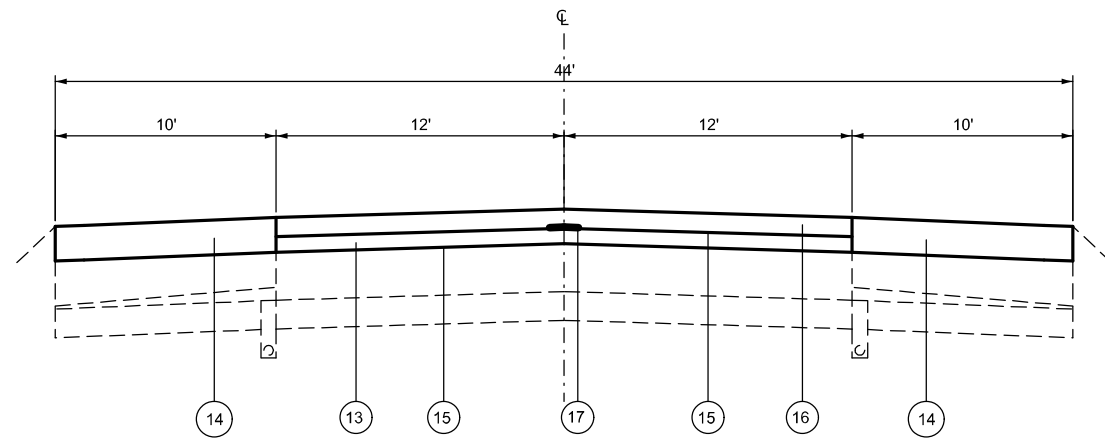
TYPICAL SECTIONS

SCALE: SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
010	(60Z)RS-1, 2&1RS-3	MADISON	23	12
CONTRACT NO. 76T88				
ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION
STA. 1091+00 TO 1109+63



PROPOSED TYPICAL SECTION
STA. 1109+63 TO 1119+69
STA. 1146+00 TO 1158+78

LEGEND

- ① EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B 6.24
- ② EXISTING LIME MODIFIED SOIL
- ③ EXISTING HMA FULL DEPTH PAVEMENT 13 1/2"
- ④ EXISTING STEEL PLATE BEAM GUARDRAIL
- ⑤ EXISTING HMA SHOULDER 8"
- ⑥ EXISTING SUBBASE GRANULAR MATERIAL, TYPE C
- ⑦ EXISTING PIPE UNDERDRAIN 8"
- ⑧ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M 6.06
- ⑨ EXISTING HMA SHOULDER CURB
- ⑩ EXISTING CONCRETE MEDIAN 4"
- ⑪ EXISTING CONCRETE BARRIER
- ⑫ PROPOSED HMA SURFACE REMOVAL, 2 3/4"
- ⑬ PROPOSED HMA BINDER COURSE, 1 1/2"
- ⑭ PROPOSED HMA SHOULDER 2 3/4"
- ⑮ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- ⑯ PROPOSED HMA SURFACE COURSE, 1 1/2"
- ⑰ PROPOSED LONGITUDINAL JOINT SEALANT
- ⑱ PROPOSED HMA SHOULDER CURB
- ⑲ PROPOSED STEEL PLATE BEAM GUARDRAIL

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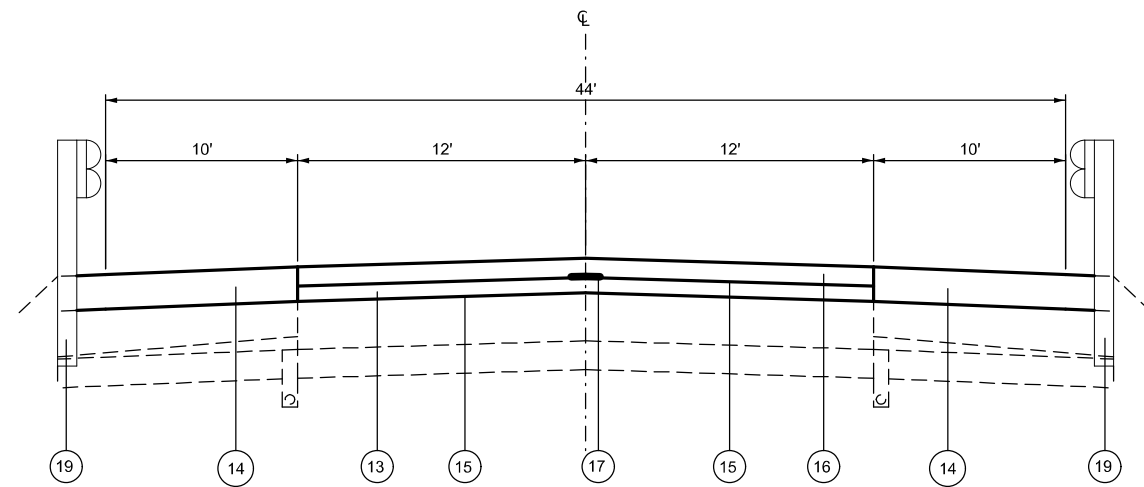
TYPICAL SECTIONS

SCALE: SHEET 7 OF 8 SHEETS STA. TO STA.

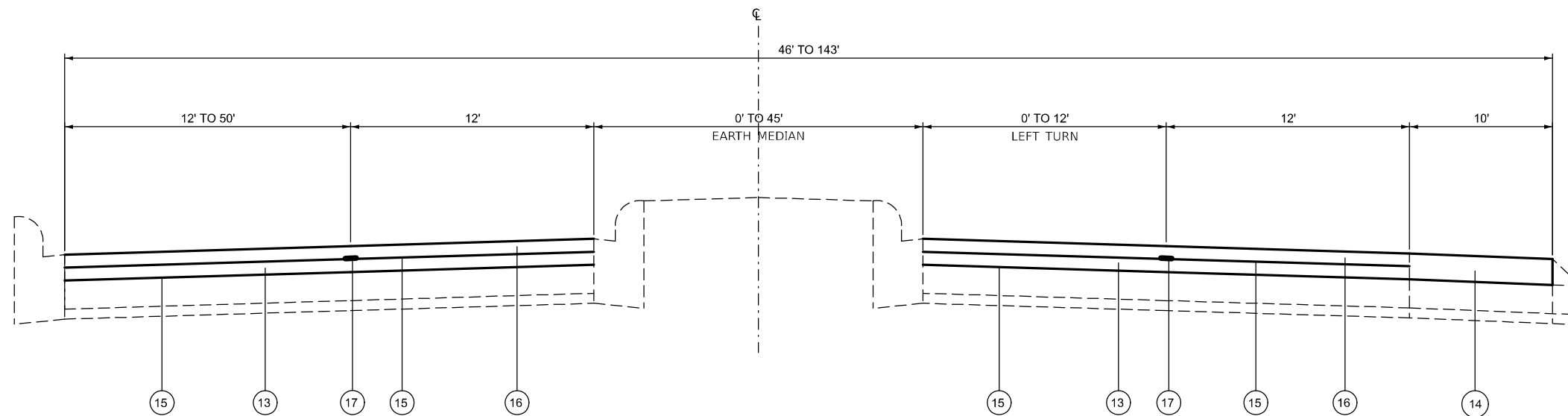
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
010	(60Z)RS-1, 2&1RS-3	MADISON	23	13
CONTRACT NO. 76T88				
ILLINOIS FED. AID PROJECT				

LEGEND

- ① EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B 6.24
- ② EXISTING LIME MODIFIED SOIL
- ③ EXISTING HMA FULL DEPTH PAVEMENT 13 1/2"
- ④ EXISTING STEEL PLATE BEAM GUARDRAIL
- ⑤ EXISTING HMA SHOULDER 8"
- ⑥ EXISTING SUBBASE GRANULAR MATERIAL, TYPE C
- ⑦ EXISTING PIPE UNDERDRAIN 8"
- ⑧ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M 6.06
- ⑨ EXISTING HMA SHOULDER CURB
- ⑩ EXISTING CONCRETE MEDIAN 4"
- ⑪ EXISTING CONCRETE BARRIER
- ⑫ PROPOSED HMA SURFACE REMOVAL, 2 3/4"
- ⑬ PROPOSED HMA BINDER COURSE, 1 1/2"
- ⑭ PROPOSED HMA SHOULDER 2 3/4"
- ⑮ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- ⑯ PROPOSED HMA SURFACE COURSE, 1 1/2"
- ⑰ PROPOSED LONGITUDINAL JOINT SEALANT
- ⑱ PROPOSED HMA SHOULDER CURB
- ⑲ PROPOSED STEEL PLATE BEAM GUARDRAIL



PROPOSED TYPICAL SECTION
STA. 1158+78 TO 1173+37



PROPOSED TYPICAL SECTION
STA. 1173+37 TO 1178+07

MODEL: Typical Section-8 (Sheet)
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/27/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
010	(60Z)RS-1, 2&1RS-3	MADISON	23	14
CONTRACT NO. 76T88			ILLINOIS FED. AID PROJECT	

RESURFACING SCHEDULE

STATION		DIMENSION		HMA SURFACE REMOVAL 2 3/4"	LONGITUDINAL JOINT SEALANT	BITUMINOUS MATERIALS (TACK COAT) 1ST PASS	BITUMINOUS MATERIALS (TACK COAT) 2ND PASS	HMA BINDER COURSE IL 9.5FG N70	POLYMERIZED HMA SURFACE COURSE IL-9.5 MIX "D" N70	MATERIAL TRANSFER DEVICE	
		LENGTH	WIDTH								
FROM	TO	FEET	FEET	SQ YD	FEET	POUND	POUND	TON	TON	TON	
1012+55.00	1014+13.00	158	45	790	158.0	355.5	177.75	55.3	66.4	121.7	
1014+13.00	1028+93.00	1480.00	24	3946.7	1480.0	1776.0	888	276.3	331.5	607.8	
1028+93.00	1030+32.00	BRIDGE OMISSION SN - 060-0254									
1030+32.00	1044+85.00	1453.00	24	3874.7	1453.0	1743.6	871.8	271.2	325.5	596.7	
1044+85.00	1051+83.00	698.00	24	1861.3	698.0	837.6	418.8	130.3	156.4	286.6	
1051+83.00	1055+00.00	317.00	36	1268.0	317.0	570.6	285.3	88.8	106.5	195.3	
1055+00.00	1058+00.00	INTERSECTION OMISSION									
1058+00.00	1060+84.00	284.00	36	1136.0	284.0	511.2	255.6	79.5	95.4	174.9	
1060+84.00	1094+45.00	3361.00	24	8962.7	3361.0	4033.2	2016.6	627.4	752.9	1380.3	
1094+45.00	1097+93.00	348.00	36	1392.0	348.0	626.4	313.2	97.4	116.9	214.4	
1097+93.00	1098+63.00	70.00	56	435.6	70.0	196.0	98	30.5	36.6	67.1	
1098+63.00	1102+29.00	366.00	36	1464.0	366.0	658.8	329.4	102.5	123.0	225.5	
1102+29.00	1130+03.00	2774.00	24	7397.3	2774.0	3328.8	1664.4	517.8	621.4	1139.2	
1130+03.00	1133+90.00	387.00	36	1548.0	387.0	696.6	348.3	108.4	130.0	238.4	
1133+90.00	1135+00.00	110.00	45	550.0	110.0	247.5	123.8	38.5	46.2	84.7	
1135+00.00	1139+61.00	461.00	36	1844.0	461.0	829.8	414.9	129.1	154.9	284.0	
1139+61.00	1174+39.00	3478.00	24	9274.7	3478.0	4173.6	2086.8	649.2	779.1	1428.3	
1174+39.00	1178+07.00	368.00	108	4416.0	368.0	1987.2	993.6	309.1	370.9	680.1	
TOTAL					50161	16113	22572	11286	3511	4214	7725

HMA SHOULDER SCHEDULE

STATION		DIMENSION			AREA	HMA SURFACE REMOVAL 2 3/4"	BITUMINOUS MATERIALS (TACK COAT)	HMA SHOULDER 2 3/4"	CURB REMOVAL (SPECIAL)	HMA SHOULDER CURB	MATERIAL TRANSFER DEVICE
		LENGTH	HMA SHOULDER WIDTH								
			EAST	WEST							
FROM	TO	FEET	FEET	FEET	SQ YD	SQ YD	POUND	TON	FOOT	FEET	TON
1013+73.00	1014+11.00	38	10	0	42.2	42.2	19	6.5			6.5
1014+11.00	1014+73.00	62.00	10	10	137.8	137.8	62	21.2			21.2
1014+73.00	1021+49.00	676.00	10	10	1502.2	1502.2	676	231.3	676.0	676.0	231.3
1021+49.00	1028+93.00	744.00	10	10	1653.3	1653.3	744	254.6	1488.0	1488.0	254.6
1028+93.00	1030+32.00	BRIDGE OMISSION SN - 060-0254									
1030+32.00	1055+00.00	2468	10	10	5484.4	5484.4	2468	844.6	4936.0	4936.0	844.6
1055+00.00	1058+00.00	INTERSECTION OMISSION									
1058+00.00	1097+25.00	3925	10	10	8722.2	8722.2	3925	1343.2			1343.2
1097+25.00	1099+26.00	201	0	10	223.3	223.3	100.5	34.4			34.4
1099+26.00	1133+94.00	3468	10	10	7706.7	7706.7	3468	1186.8			1186.8
1133+94.00	1135+05.00	2647	10	10	5882.2	5882.2	2647	905.9			905.9
1135+05.00	1161+52.00	2647	10	10	5882.2	5882.2	2647	905.9			905.9
1161+52.00	1169+20.00	768	10	10	1706.7	1706.7	768	262.8	1536.0	1536.0	262.8
1169+20.00	1171+30.00	210	10	10	466.7	466.7	210	71.9	210.0	210.0	71.9
1171+30.00	1173+30.00	200	10	10	444.4	444.4	200	68.4			68.4
1173+30.00	1178+07.00	477	10	0	530.0	530.0	238.5	81.6			81.6
TOTAL						34502	15526	5313	8846	8846	5313

MODEL: Schedule of Quantities-2 (Sheet)
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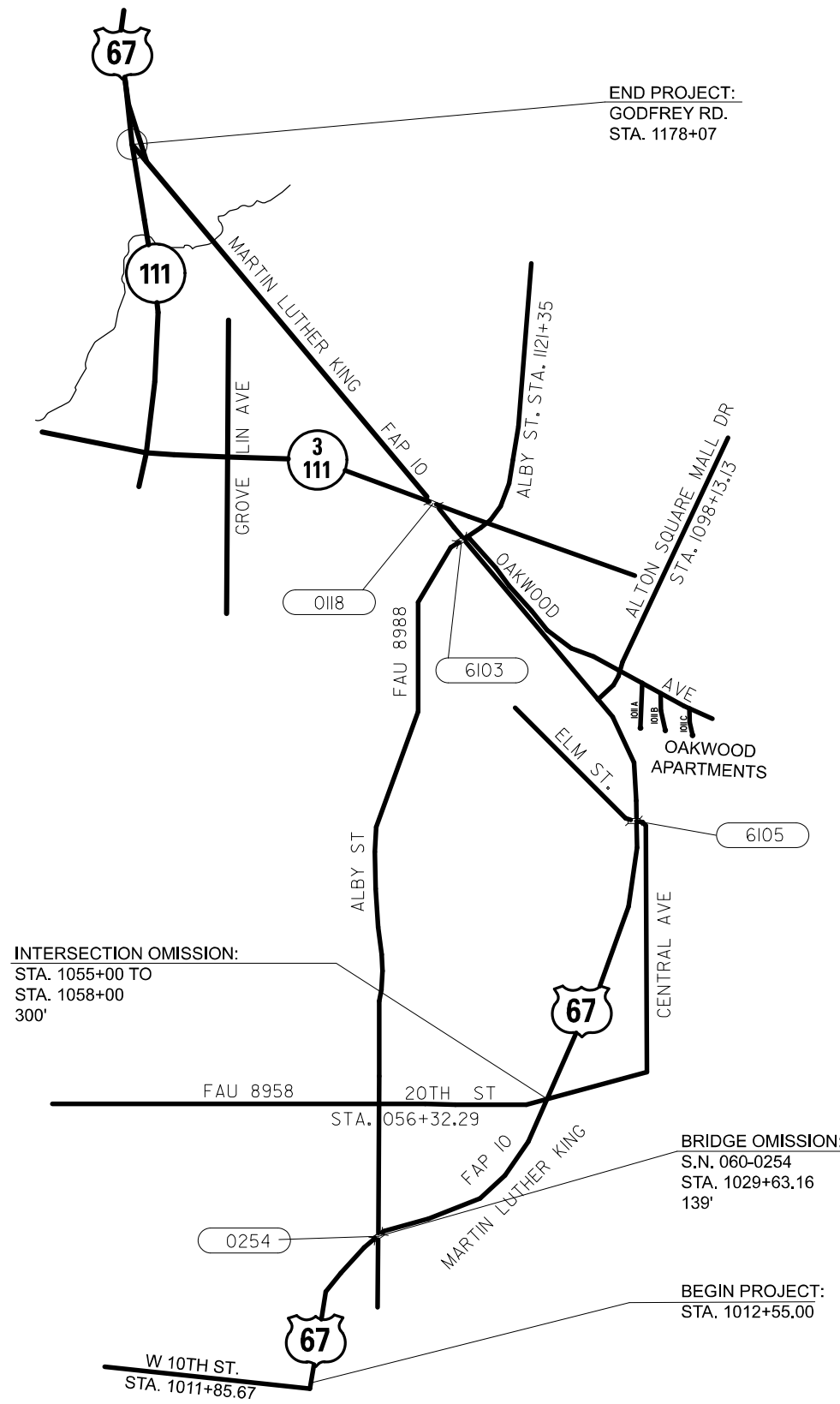
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	CHECKED -	REVISED -
PLOT DATE = 3/27/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
010	(60Z)RS-1, 2&1RS-3	MADISON	23	16
CONTRACT NO. 76T88				
ILLINOIS FED. AID PROJECT				



NOT TO SCALE

MODEL: Location Map (Sheet)
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	CHECKED -	REVISED -
PLOT DATE = 3/5/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP

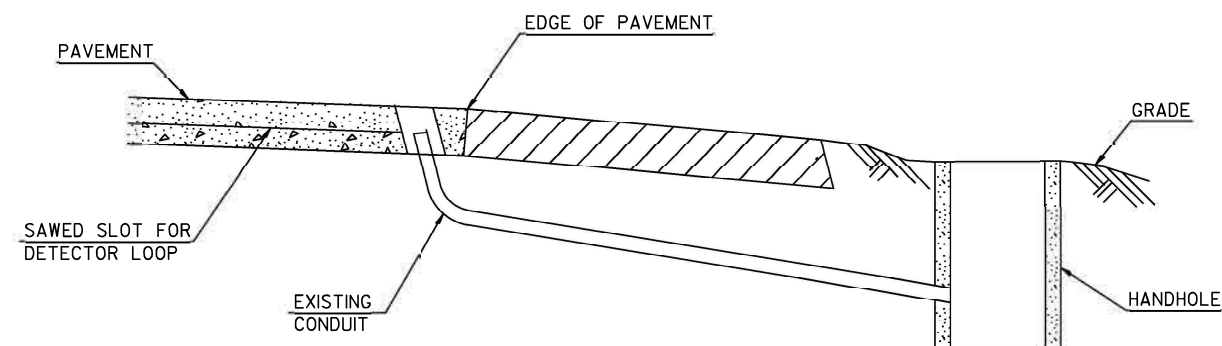
SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
010	(60Z)RS-1, 2&1RS-3	MADISON	23	18
CONTRACT NO. 76T88				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	US 67 & COLLEGE AVE	US 67 & ALTON SQ MALL DR.	US 67 & NORTHPORT DR.	US 67 & GODFREY RD.
CODE NO	ITEM	UNIT					
X8860105	DETECTOR LOOP REPLACEMENT	FOOT	2482	193	892	962	435

HIGHWAY STANDARDS

886001-01
886006-01



DETAIL
(NO SCALE)

RE-USE EXISTING DETECTOR LOOP LEAD-IN CONDUIT

- 1 DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
- 2 REMOVE EXISTING CABLE TO HANDHOLE.
- 3 INSTALL LOOP LEAD-IN CONDUCTORS IN CONDUIT.
- 4 SPLICE NEW DETECTOR LOOP LEAD-IN CONDUCTORS TO EXISTING LEAD-IN CABLE IN HANDHOLE.
- 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"

REV. - MS

MODEL: Detector Loop-GEN NOTES (Sheet)
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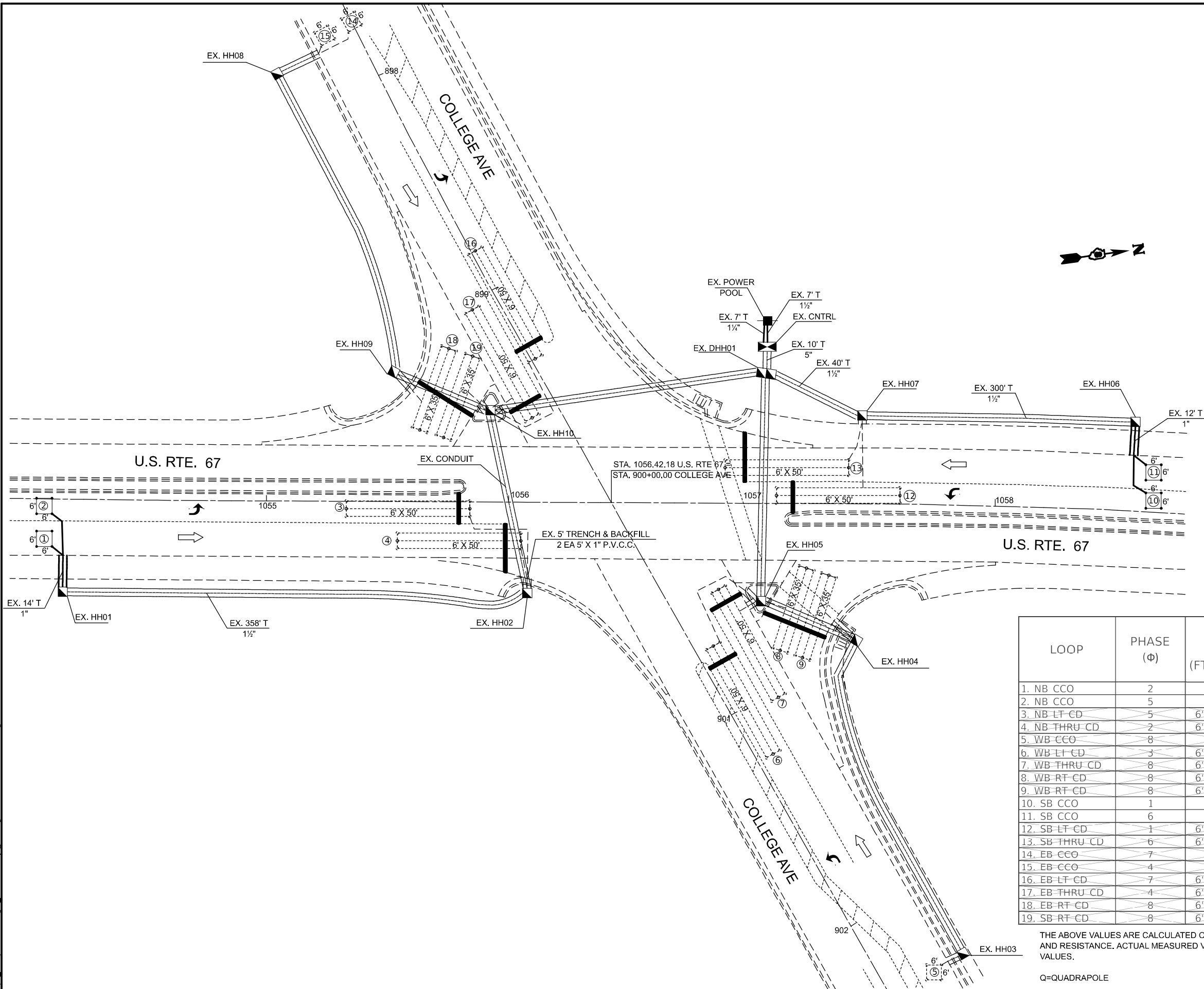
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PLOT DATE = 3/27/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT, HIGHWAY STANDARDS,
GENERAL NOTES, SCHEDULE OF QUANTITIES AND DETAIL

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
010	(602)RS-1, 261RS-3	MADISON	23	19
CONTRACT NO. 76T88				
ILLINOIS FED. AID PROJECT				



LOOP	PHASE (Φ)	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. NB CCO	2	6' X 6'	6	347.72	2.47
2. NB CCO	5	6' X 6'	6	350.58	2.54
3. NB LT CD	5	6' X 50'(Q)	3-6-3	843.86	2.91
4. NB THRU CD	2	6' X 50'(Q)	6	305.04	1.5
5. WB CCO	8	6' X 6'	6	323.08	1.91
6. WB LT CD	3	6' X 50'(Q)	3-6-3	822.74	2.43
7. WB THRU CD	8	6' X 50'(Q)	3-6-3	813.06	2.21
8. WB RT CD	8	6' X 35'(Q)	3-6-3	588.06	1.75
9. WB RT CD	8	6' X 35'(Q)	3-6-3	599.5	2.02
10. SB CCO	1	6' X 6'	6	300.2	1.39
11. SB CCO	6	6' X 6'	6	297.56	1.33
12. SB LT CD	1	6' X 50'(Q)	3-6-3	806.02	2.06
13. SB THRU CD	6	6' X 50'(Q)	3-6-3	803.82	2
14. EB CCO	7	6' X 6'	6	329.9	2.01
15. EB CCO	4	6' X 6'	6	327.04	2
16. EB LT CD	7	6' X 50'(Q)	3-6-3	826.26	2.51
17. EB THRU CD	4	6' X 50'(Q)	3-6-3	817.24	2.3
18. EB RT CD	8	6' X 35'(Q)	3-6-3	603.46	2.11
19. SB RT CD	8	6' X 35'(Q)	3-6-3	592.68	1.86

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

MODEL: Detector loop-1 [Sheet]
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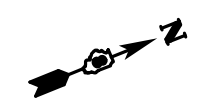
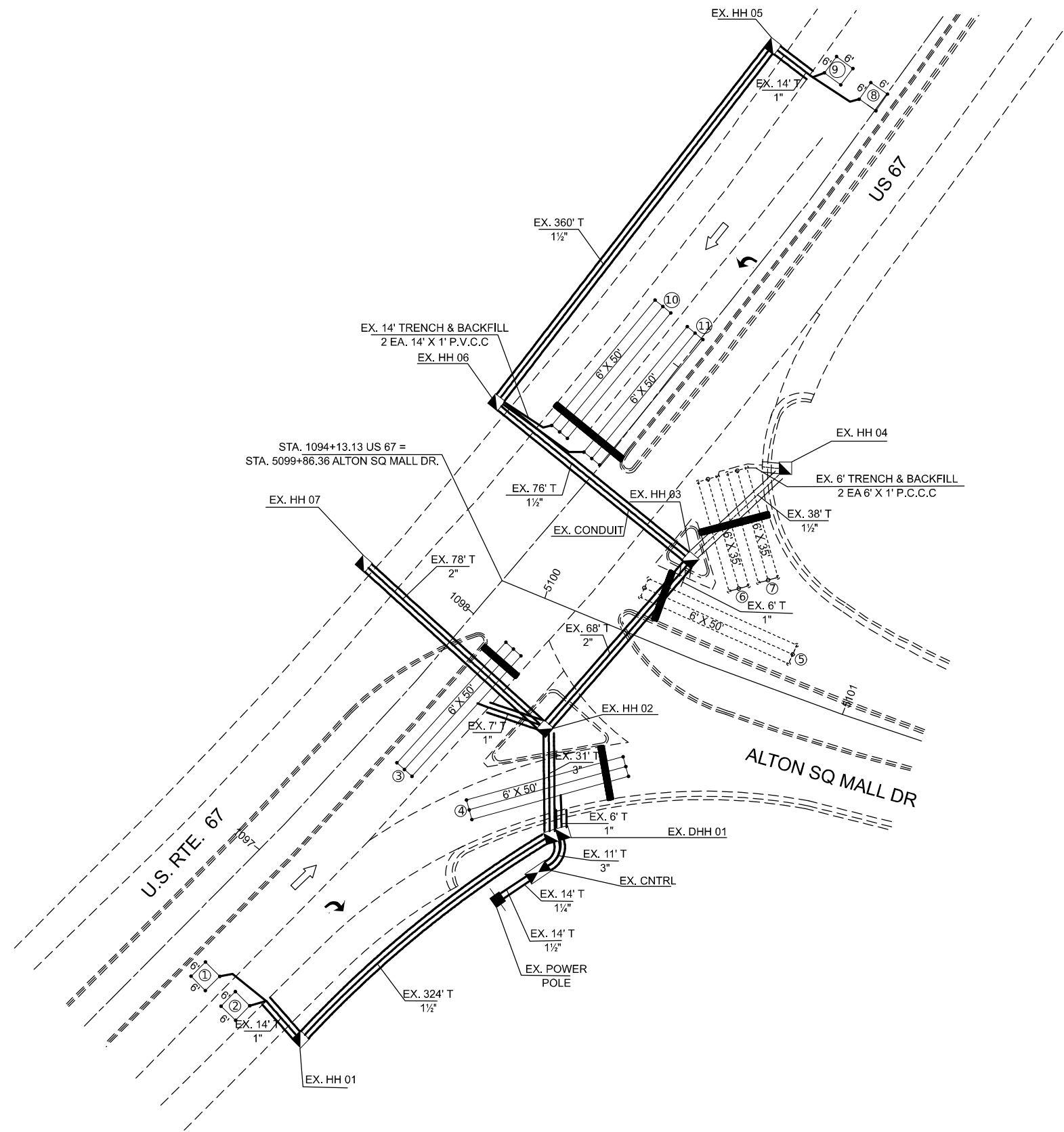
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR REPLACEMENT PLAN
US 67 AT COLLEGE AVE**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
010	(60Z)RS-1.261RS-3	MADISON	23	20
CONTRACT NO. 76T88				
ILLINOIS FED. AID PROJECT				



LOOP	PHASE (Φ)	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. NB CCO	2	6' X 6'	6	288.98	1.14
2. NB CCO	5	6' X 6'	6	286.34	1.08
3. NB THRU CD	2	6' X 50'(Q)	3-6-3	803.38	1.99
4. NB RT CD	3	6' X 50'(Q)	3-6-3	793.04	1.75
5. WB THRU CD	8	6' X 50'(Q)	3-6-3	816.36	2.28
6. WB RT CD	3	6' X 35'(Q)	3-6-3	603.25	2.1
7. WB RT CD	3	6' X 35'(Q)	3-6-3	601.04	2.05
8. SB CCO	6	6' X 6'	6	338.7	2.27
9. SB CCO	6	6' X 6'	6	335.84	2.2
10. SB THRU CD	6	6' X 50'(Q)	3-6-3	835.75	2.72
11. SB LT CD	1	6' X 50'(Q)	3-6-3	839.58	2.79

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

MODEL: Detector Loop-2 (Sheet)
FILE NAME: c:\p\work\wv\illinois.gov\edison.zohfanyi\0972563\176188-sh-ts.dgn

USER NAME = edison.zohfanyi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/27/2024	DATE -	REVISED -

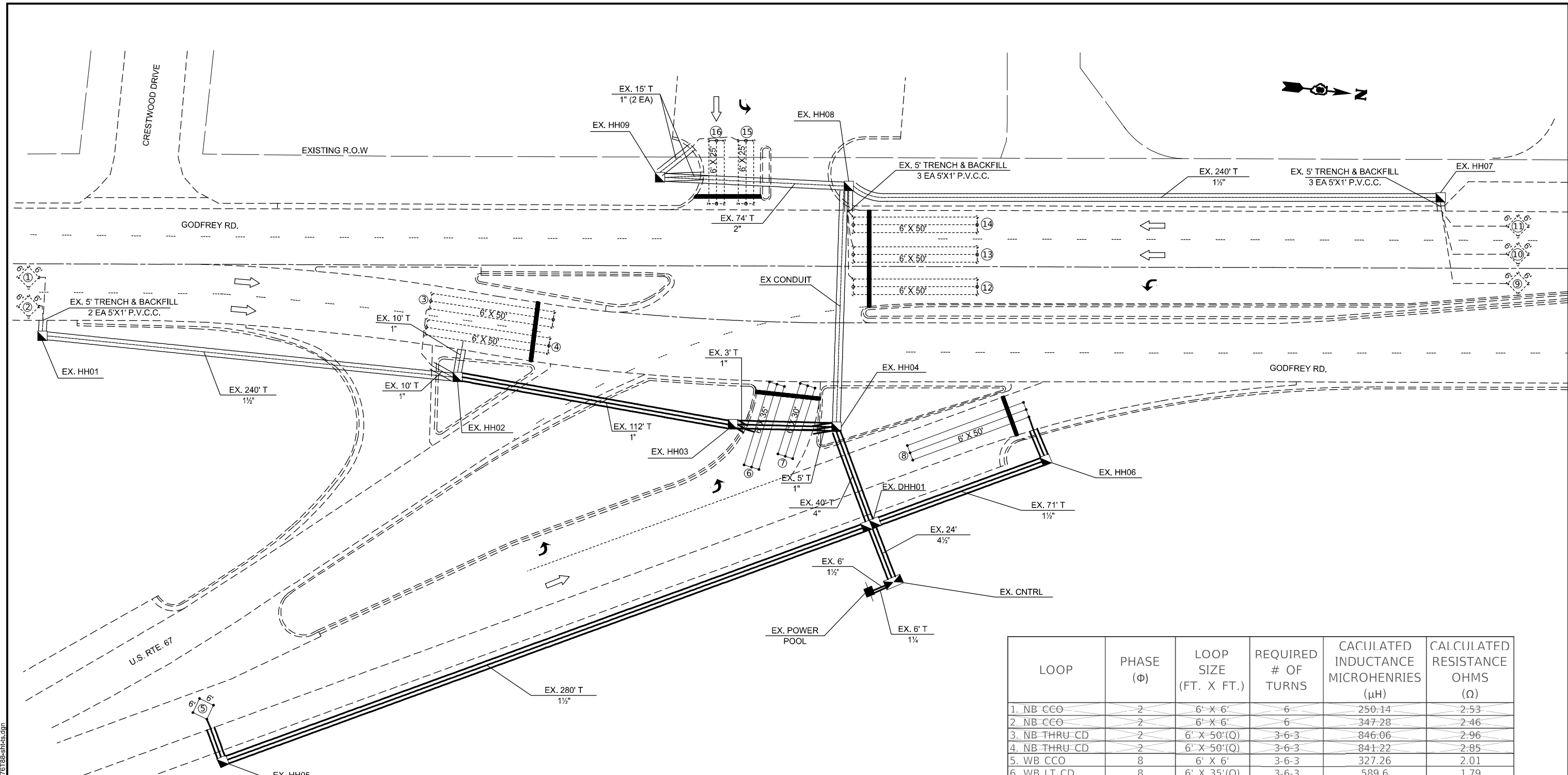
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
US 67 AT ALTON SQUARE MALL DR.**

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
010	(60Z)RS-1, 2&1RS-3	MADISON	23	21
CONTRACT NO. 76T88				
ILLINOIS FED. AID PROJECT				

MODEL: Detector loop-4 [Sheet]
 FILE NAME: c:\p\work\avista\illinois.gov\0972563\076188-shr-ts.dwg



LOOP	PHASE (Φ)	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. NB CCO	2	6' X 6'	6	250.14	2.53
2. NB CCO	2	6' X 6'	6	347.28	2.46
3. NB THRU CD	2	6' X 50'(Q)	3-6-3	846.06	2.96
4. NB THRU CD	2	6' X 50'(Q)	3-6-3	841.22	2.85
5. WB CCO	8	6' X 6'	3-6-3	327.26	2.01
6. WB LT CD	8	6' X 35'(Q)	3-6-3	589.6	1.79
7. WB THRU CD	8	6' X 30'(Q)	3-6-3	506.02	1.45
8. WB THRU CD	8	6' X 50'(Q)	3-6-3	813.94	2.23
9. SB CCO	1	6' X 6'	6	359.6	2.74
10. SB CCO	6	6' X 6'	6	356.96	2.68
11. SB CCO	6	6' X 6'	6	354.75	2.63
12. SB LT CD	1	6' X 50'(Q)	3-6-3	833.3	2.67
13. SB THRU CD	6	6' X 50'(Q)	3-6-3	830.22	2.6
14. SB THRU CD	6	6' X 50'(Q)	6	827.8	2.54
15. EB LT CD	7	6' X 25'(Q)	3-6-3	475.68	2.31
16. EB THRU CD	7	6' X 25'(Q)	3-6-3	471.5	2.22

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

	USER NAME = edison.zohfonyl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN US 67 AT GODFREY ROAD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			010	(60Z)RS-1, 261RS-3	MADISON	23	23	
		CHECKED -	REVISED -			CONTRACT NO. 76T88					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
	PLOT DATE = 3/27/2024			SCALE:	SHEET 4 OF 4 SHEETS	STA.	TO STA.				