

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770/FAU	(65,66,72,56)CJS-1	MADISON	11	1
FAS 770/FAU 8890		ILLINOIS	CONTRACT NO. 76P18	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

PROJECT START TO CHAPMAN ST
2019 ADT= 6100 (ACTUAL)
2021 ADT = 6200 (ESTIMATED)
2041 ADT = 7600 (ESTIMATED)
SU= 9.6% MU= 2.6%

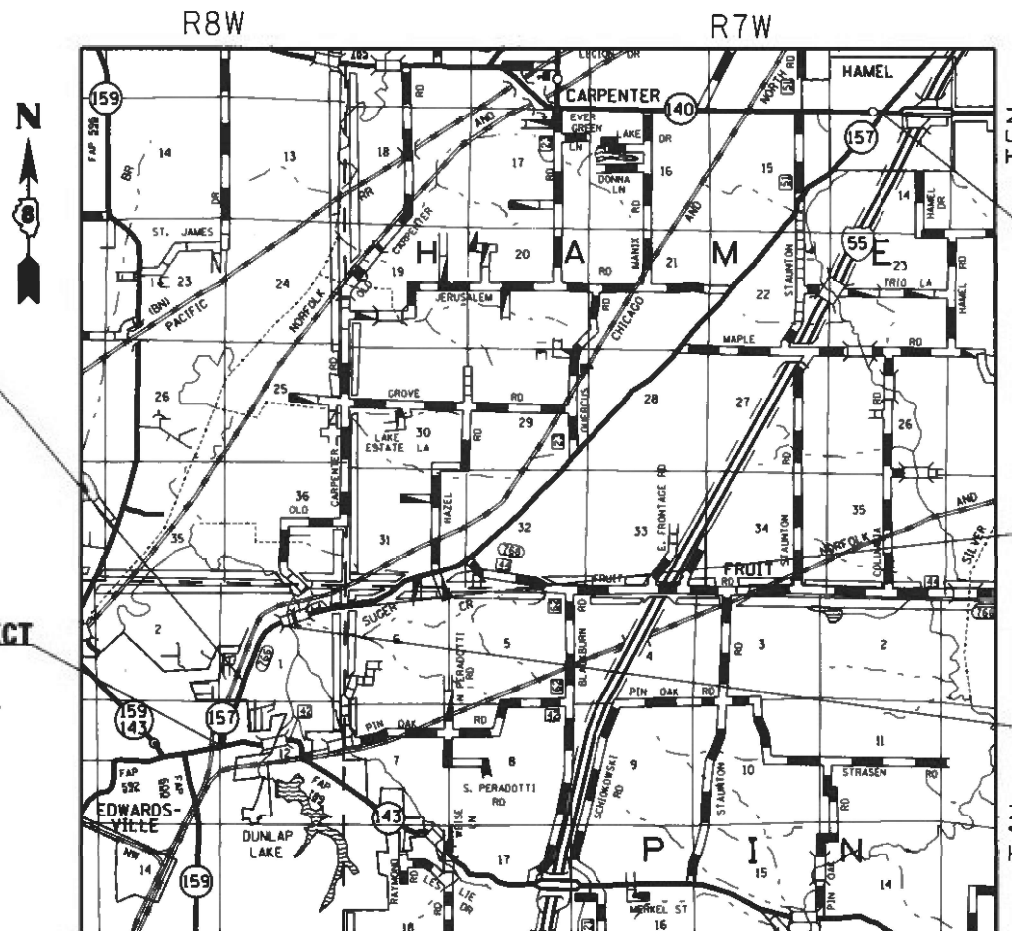
CHAPMAN ST TO FRUIT ROAD
2019 ADT= 4150 (ACTUAL)
2021 ADT = 4200 (ESTIMATED)
2041 ADT = 5200 (ESTIMATED)
SU= 5.3% MU= 2.2%

FRUIT ROAD TO PROJECT END
2019 ADT= 3100 (ACTUAL)
2021 ADT = 3150 (ESTIMATED)
2041 ADT = 3900 (ESTIMATED)
SU= 4.5% MU= 1.3%
FUNCTIONAL CLASS : MAJOR COLLECTOR

**PROPOSED
HIGHWAY PLANS**

**FAS ROUTE 770/FAU ROUTE 8890 (IL 157)
SECTION (65,66,72,56)CJS-1
CRACK AND JOINT SEALING
MADISON COUNTY**

C-98-054-21



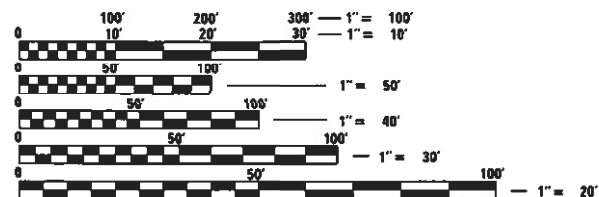
END PROJECT
STA. 402 + 48
38.88900 N
89.84465 W

BRIDGE OMISSION
SN 060-0204
STA. 56 + 08.73 TO
STA. 57 + 62.03

BRIDGE OMISSION
SN 060-0234
STA. 47 + 57.59 TO
STA. 49 + 27.59

STATION EQUATION
STA. 33 + 46.60(BK) = STA. 3 + 65.57(AH)

BEGIN PROJECT
STA. 10 + 00
38.81278 N
89.94742 W



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 EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: BILLIE OWEN (618) 346-3209
PROJECT MANAGER: MIKE BERG (618) 346-3411

GROSS LENGTH = 42229 FT. = 8.00 MILE
NET LENGTH = 41906 FT. = 7.94 MILE

CONTRACT NO. 76P18

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Oct 22 21
Kath Kolbert
REGIONAL ENGINEER

December 10 2021
Stephen M. Smith
ENGINEER OF DESIGN AND ENVIRONMENT

December 10 2021
Stephen M. Smith
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 & COMMITMENTS
- 3 SUMMARY OF QUANTITIES
- 4-8 TYPICAL SECTIONS
- 9 LOCATION MAP
- 10 SCHEDULE OF QUANTITIES
- 11 CRACK AND JOINT SEALING DETAIL

HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701901-08 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

1. UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA:
 - ADB COMPANIES

 - AMEREN ILLINOIS

 - AT&T ILLINOIS

 - BUCKEYE PARTNERS L.P.--WOOD RIVER PIPELINE

 - CHARTER COMMUNICATIONS, INC.

 - CONSOLIDATED COMMUNICATIONS

 - CITY OF EDWARDSVILLE
WATER & SANITARY SEWER

VILLAGE OF HAMEL
WATER & SANITARY SEWER

MADISON TELEPHONE COMPANY

MARATHON PIPE LINE LLC

MCI NETWORK SERVICES, INC.

MCLEODUSA TELECOMMUNICATIONS SERVICES, LLC

NORTHEAST CANTRAL COUNTY PUBLIC WATER DISTRICT

PLAINES MARKETING, LP

SOUTHWESTERN ELECTRIC COOPERATIVE, INC.

TC ENERGY

2. 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.

3. TWO CHANGEABLE MESSAGE SIGNS SHALL BE PLACED 14 DAYS IN ADVANCE OF CONSTRUCTION AND 14 DAYS DURING CONSTRUCTION. EXACT LOCATION OF CHANGEABLE SIGNS SHALL BE DETERMINED BY THE ENGINEER.

4. NO SURVEY WAS PERFORMED FOR THIS PROJECT. PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS.

5. ESTIMATED CRACK FILLING APPLICATION RATE: 0.4 LB/FT

COMMITMENTS

NONE

REV. - MS

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PLOT DATE = 10/19/2021	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS,
GENERAL NOTES & COMMITMENTS**

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

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(65.66,72,56)CJS-1	MADISON	11	2
* FAS 770/FAU 8890		CONTRACT NO. 76P18		
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				FAU 8890	FAS 770
				100% STATE	100% STATE
				ROADWAY	ROADWAY
				0005	0005
				URBAN	RURAL
45100100	CRACK ROUTING (PAVEMENT)	FOOT	112803	39481	73322
45100200	CRACK FILLING	POUND	45121	15792	29329
67100100	MOBILIZATION	L SUM	1	0.35	0.65
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1		1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.35	0.65
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	60	21	39
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	106158	37155	69003

*

* SPECIALTY ITEM

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

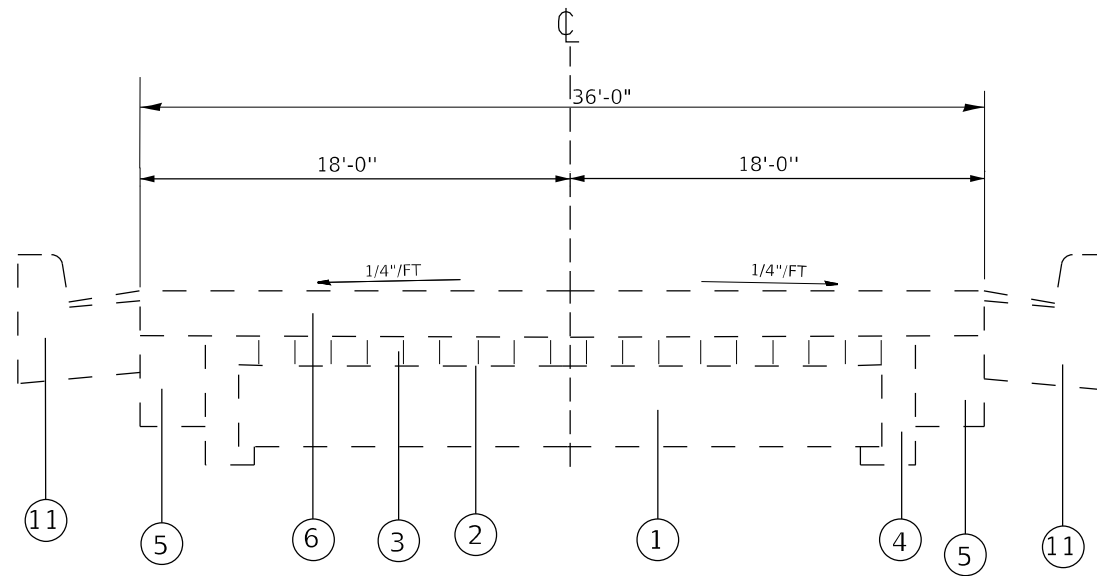
SUMMARY OF QUANTITIES

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

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(65,66,72,56)CIS-1	MADISON	11	3
* FAS 770/FAU 8890			CONTRACT NO. 76P18	
ILLINOIS		FED. AID PROJECT		

LEGEND

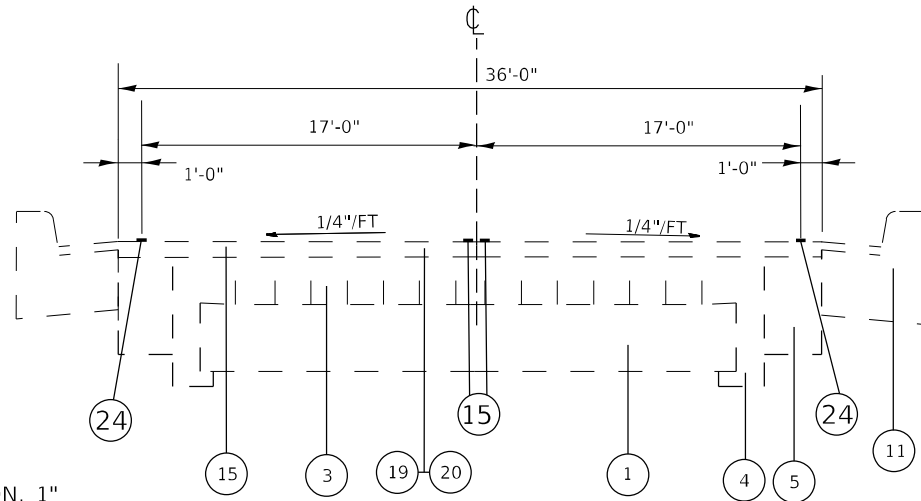
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- ② EXISTING MASTIC CUSHION, 1"
- ③ EXISTING BRICK PAVEMENT, 2¼"
- ④ EXISTING CONCRETE RETAINER, 1'-3"
- ⑤ EXISTING PC CONCRETE BASE COURSE, 8"
- ⑥ EXISTING BITUMINOUS RESURFACING, (VAR. 4" TO 6½")
- ⑦ EXISTING HMA SHOULDER
- ⑧ EXISTING AGGREGATE SHOULDERS
- ⑨ EXISTING PAINT PAVEMENT MARKING, LINE 4"
- ⑩ EXISTING GUARDRAIL, 9' STEEL POST
- ⑪ EXISTING CONC. CURB & GUTTER
- ⑫ EXISTING CONC. GUTTER TYPE A
- ⑬ EXISTING EARTH MEDIAN SURFACE
- ⑭ EXISTING 3 FT SHOULDER WITH RUMBLE STRIPS



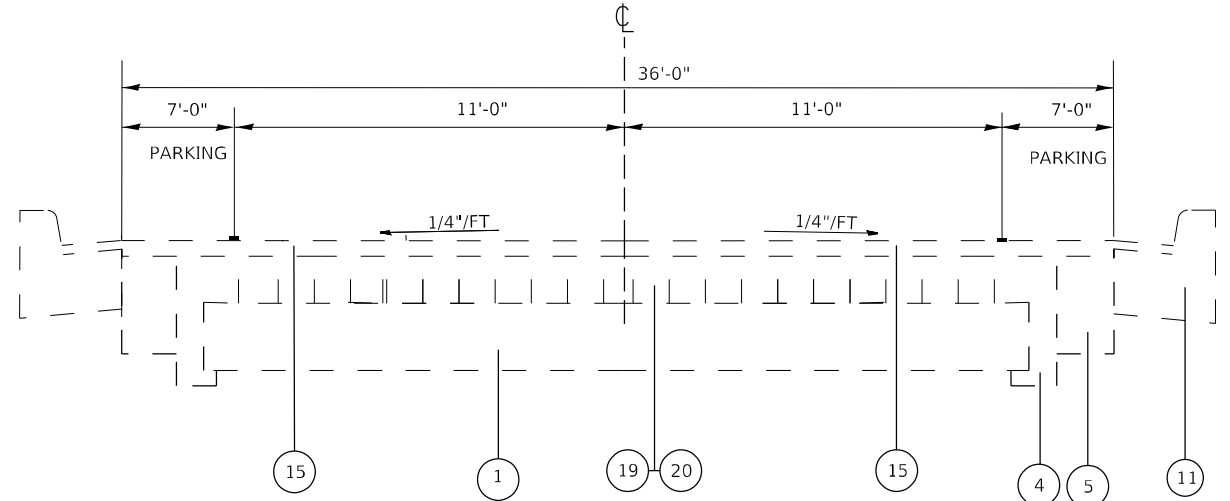
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STA. 10+00 TO 20+55

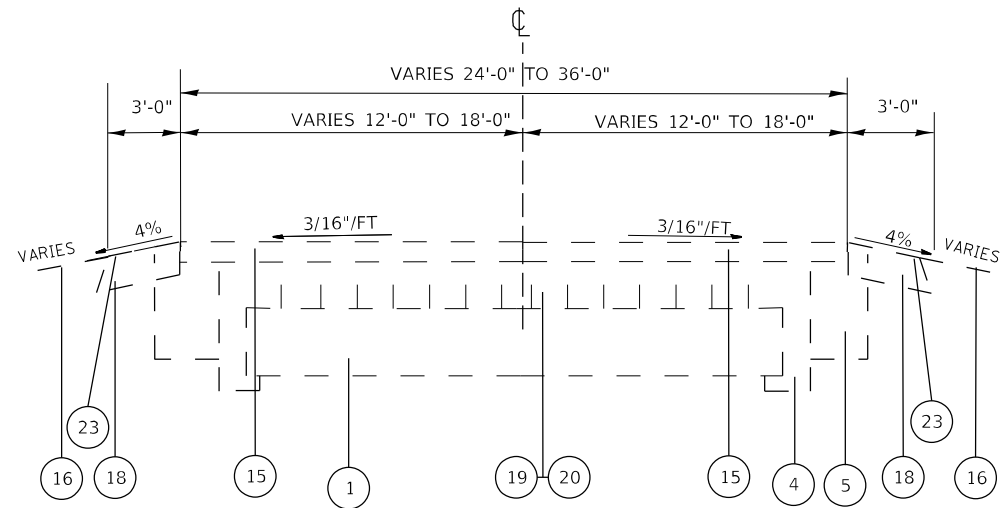
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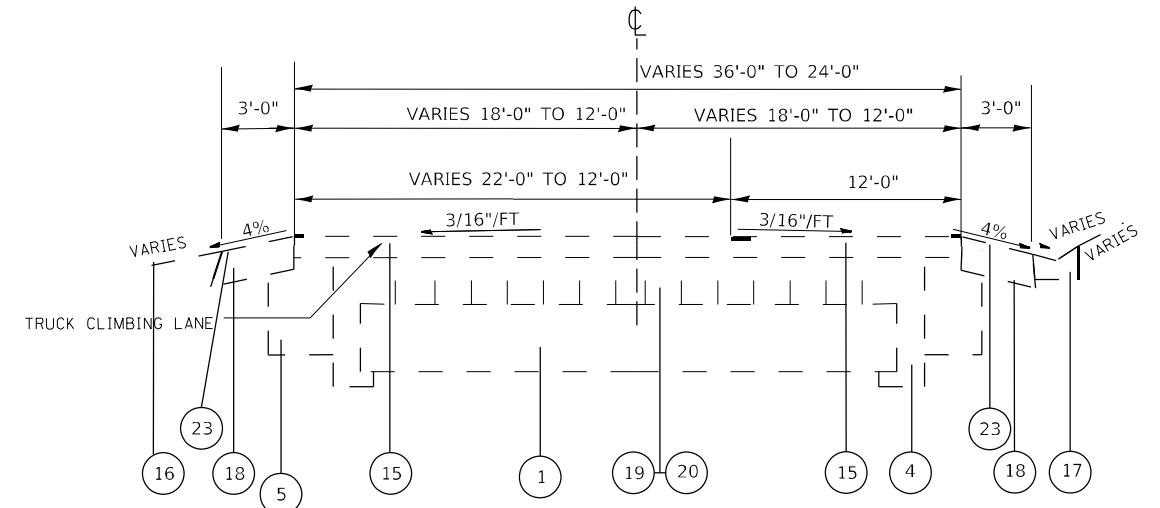
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STA. 15+80 TO 20+55



EXISTING TYPICAL SECTION
STA. 20+55 TO 30+87

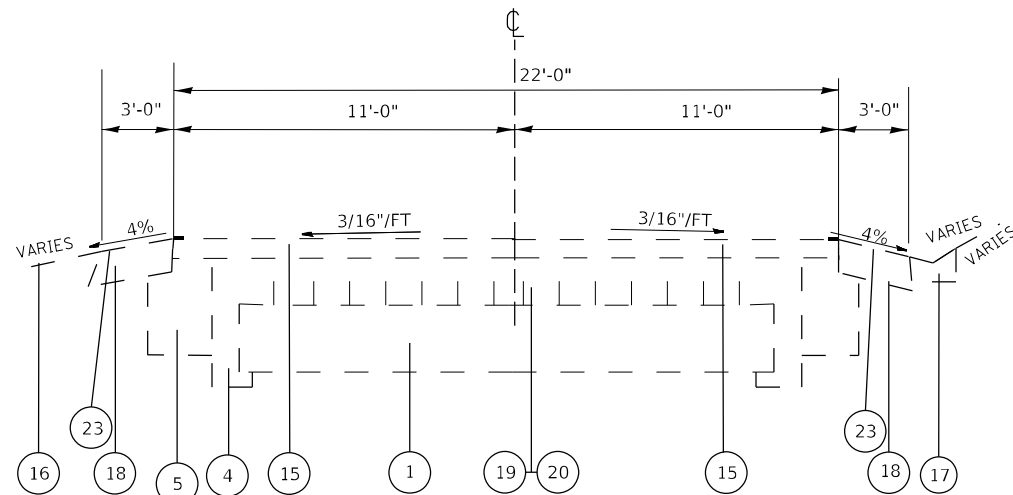


EXISTING TYPICAL SECTION
STA. 30+87 TO 33+46.60 - 3+65.57 TO 27+00 (STATION EQUATION 33+46.60 (BK)=3+65.57 (AH.))
STA. 27+00 TO 34+15 (VARIES FROM 24' TO 36')
STA. 45+50 TO 47+57.59
(OMISSION STA. 47+57.59 TO 49+27.59)
STA. 49+27.59 TO 56+08.73
STA. 112+43 TO 198+35

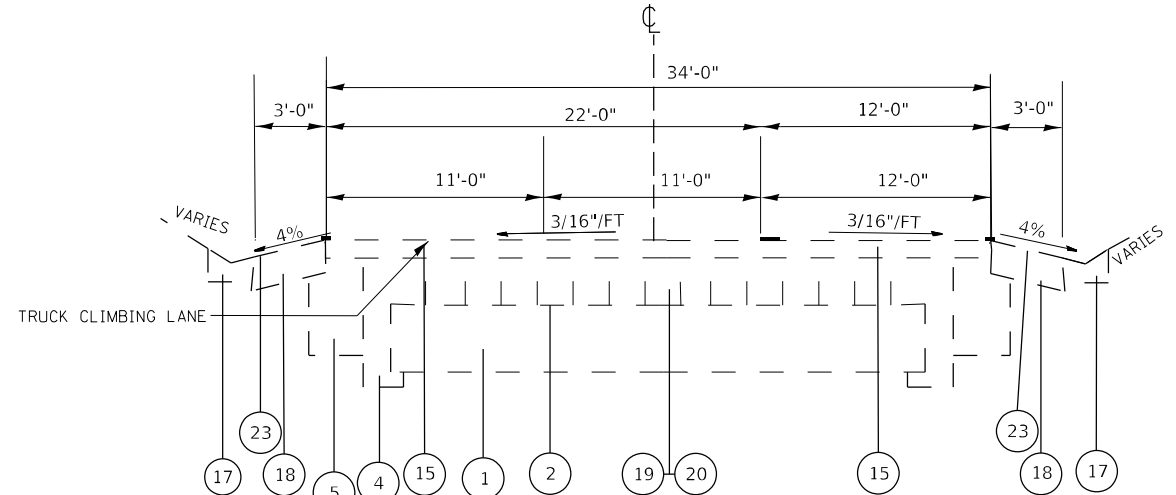


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STA. 34+15 TO 37+00
STA. 42+10 TO 45+50 (VARIES FROM 36' TO 24')

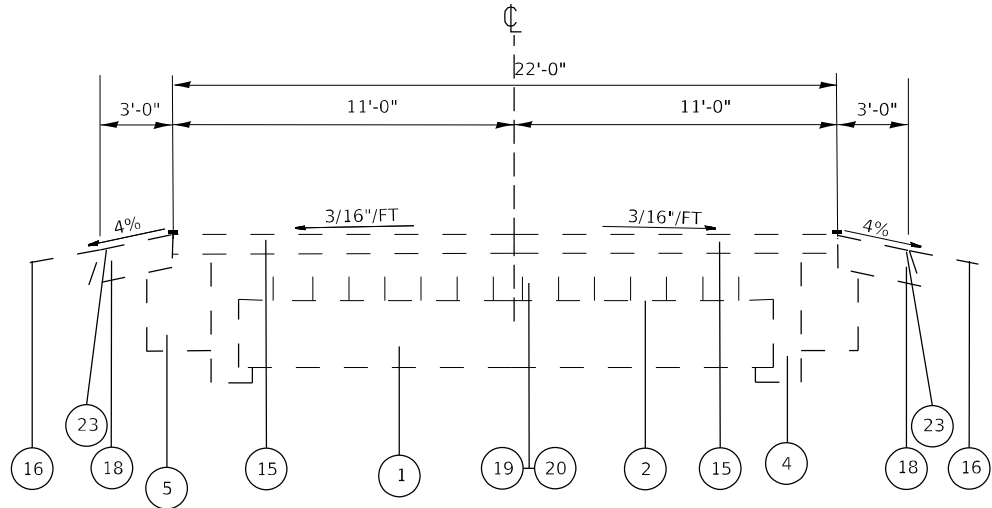
- LEGEND**
- ① EXISTING CONCRETE BASE, 8"
 - ② EXISTING MASTIC CUSHION, 1"
 - ③ EXISTING BRICK PAVEMENT, 2 1/4"
 - ④ EXISTING CONCRETE RETAINER, 1'-3"
 - ⑤ EXISTING PC CONCRETE BASE COURSE, 8"
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 - ㉒ EXISTING SUB-BASE GRANULAR MATERIAL TYPE A, 12"
 - ㉓ EXISTING SHOULDER RUMBLE STRIPS, 8 INCH
 - ㉔ EXISTING THERMOPLASTIC PAVEMENT MARKING



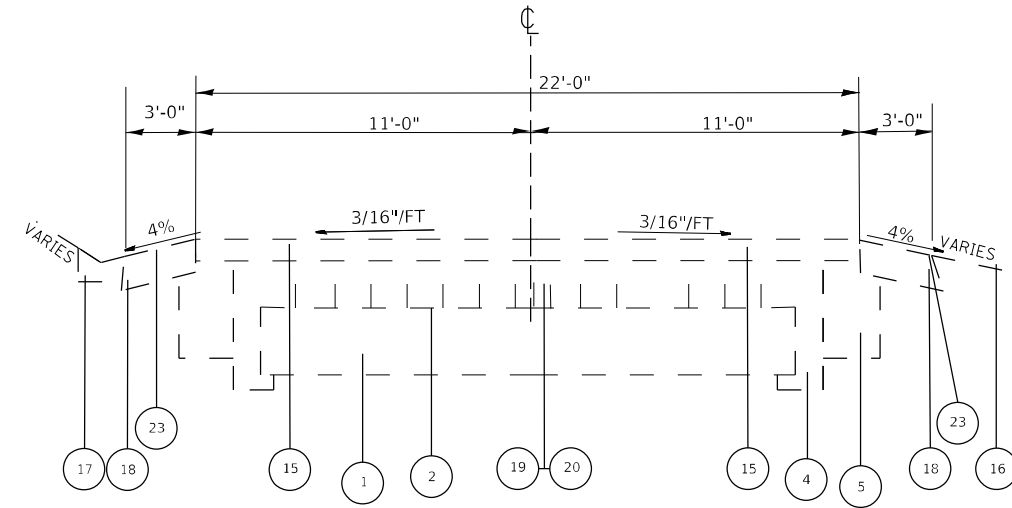
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 STA. 57+62.03 TO 68+51.71 (OMISSION STA. 56+08.73 TO 57+62.03)
 STA. 68+51.71 TO 75+54



EXISTING TYPICAL SECTION
 STA. 37+00 TO 42+10



EXISTING TYPICAL SECTION
 STA. 75+54 TO 76+49
 STA. 78+58 TO 86+77
 STA. 263+60 TO 313+78
 STA. 329+02 TO 339+00
 STA. 349+50 TO 383+00



EXISTING TYPICAL SECTION
 STA. 339+00 TO 349+50
 STA. 76+49 TO 78+58

LEGEND

- ① EXISTING CONCRETE BASE, 8"
- ② EXISTING MASTIC CUSHION, 1"
- ③ EXISTING BRICK PAVEMENT, 2 1/4"
- ④ EXISTING CONCRETE RETAINER, 1'-3"
- ⑤ EXISTING PC CONCRETE BASE COURSE, 8"
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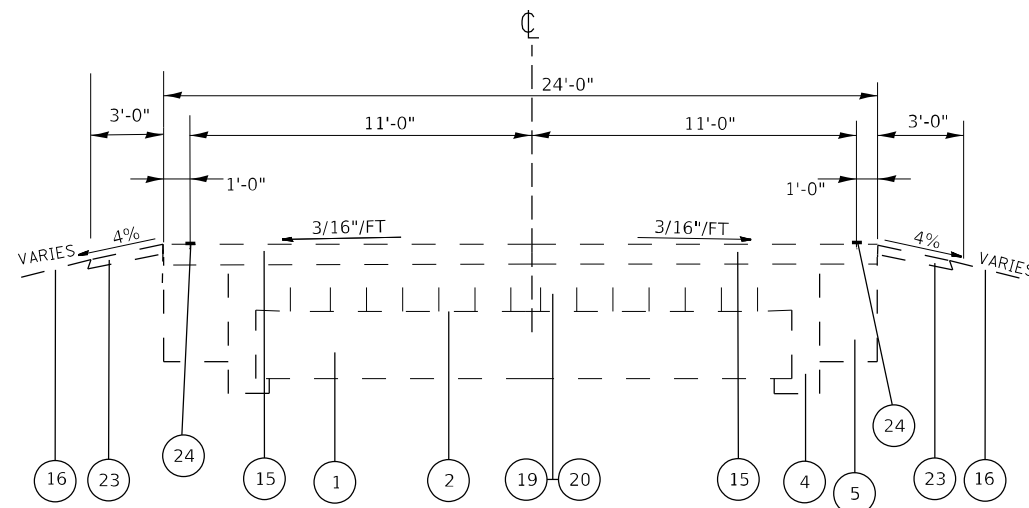
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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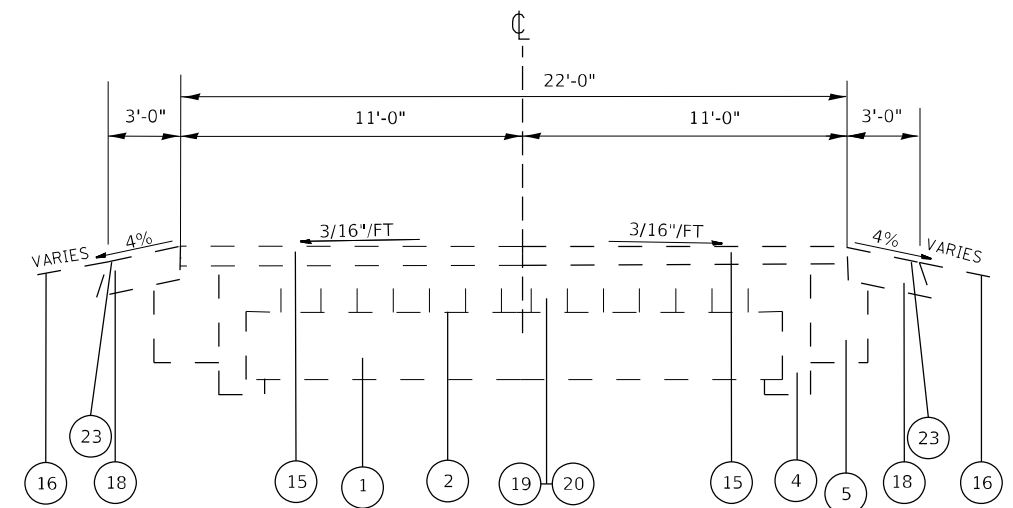
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F.A.U. 8890	ILLINOIS	CONTRACT NO. 76P18	FED. AID PROJECT	

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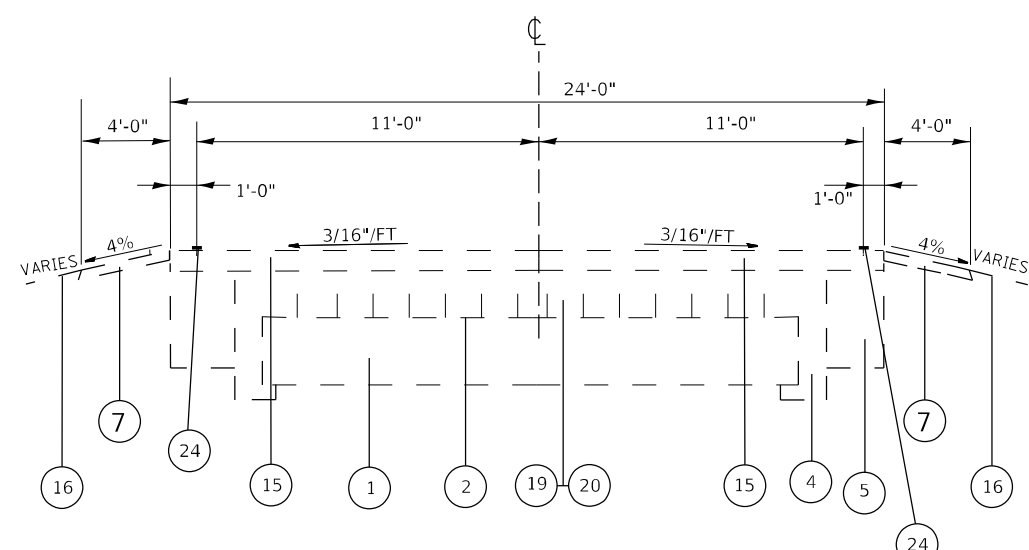
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STA. 198+35 TO 263+60



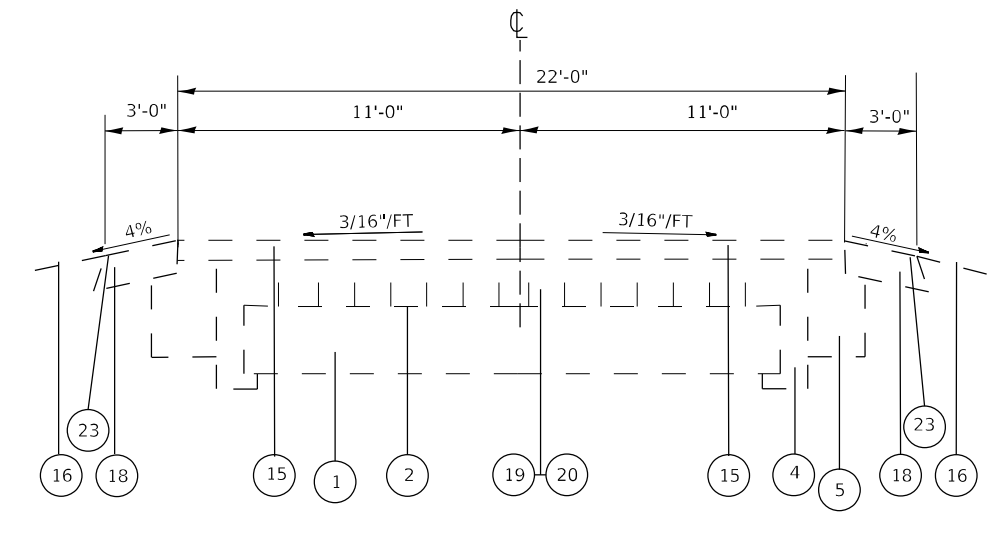
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STA. 86+77 TO 112+43
STA. 313+78 TO 329+02



EXISTING TYPICAL SECTION

STA. 398+35 TO 400+43



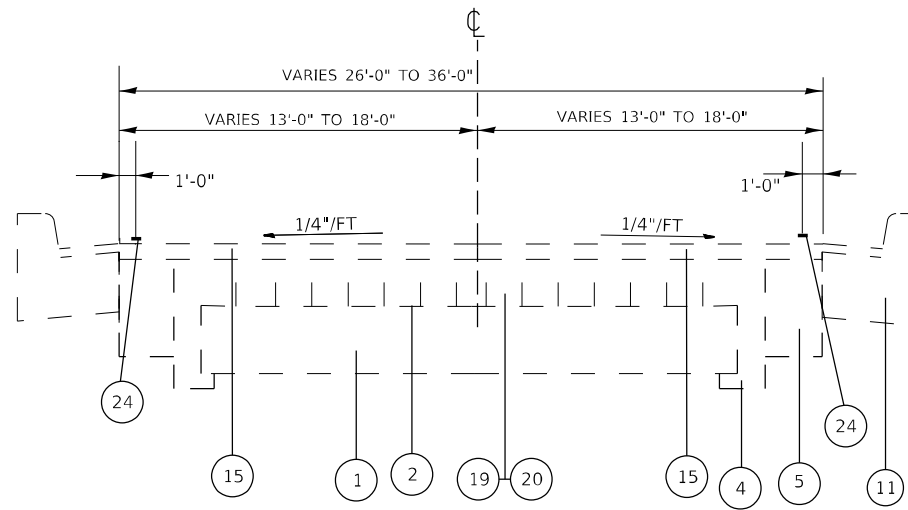
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STA. 383+00 TO 398+35

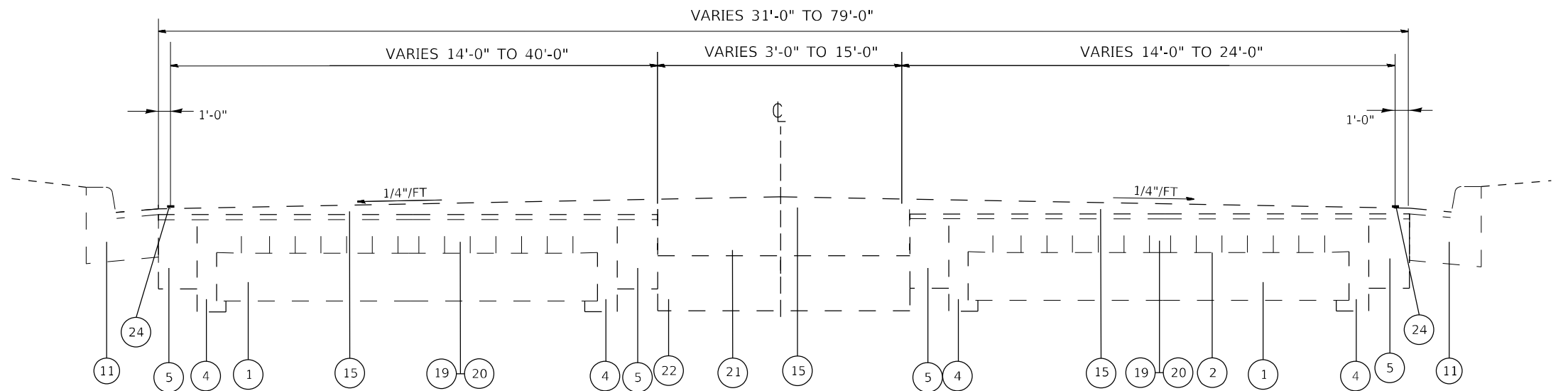
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- ① EXISTING CONCRETE BASE, 8"
- ② EXISTING MASTIC CUSHION, 1"
- ③ EXISTING BRICK PAVEMENT, 2½"
- ④ EXISTING CONCRETE RETAINER, 1'-3"
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- ㉓ EXISTING SHOULDER RUMBLE STRIPS, 8 INCH
- ㉔ EXISTING THERMOPLASTIC PAVEMENT MARKING

FILE NAME =	USER NAME = arteenjn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.S. 770	SECTION (65.66,72,56)CJS-1	COUNTY MADISON	TOTAL SHEETS 11	SHEET NO. 7
		CHECKED -	REVISED -		SCALE: NTS	SHEET NO. 4 OF 5 SHEETS	STA. _____ TO STA. _____	F.A.U. 8890		CONTRACT NO. 76P18		
		DATE -	REVISED -									



EXISTING TYPICAL SECTION
STA. 400+43 TO 401+18

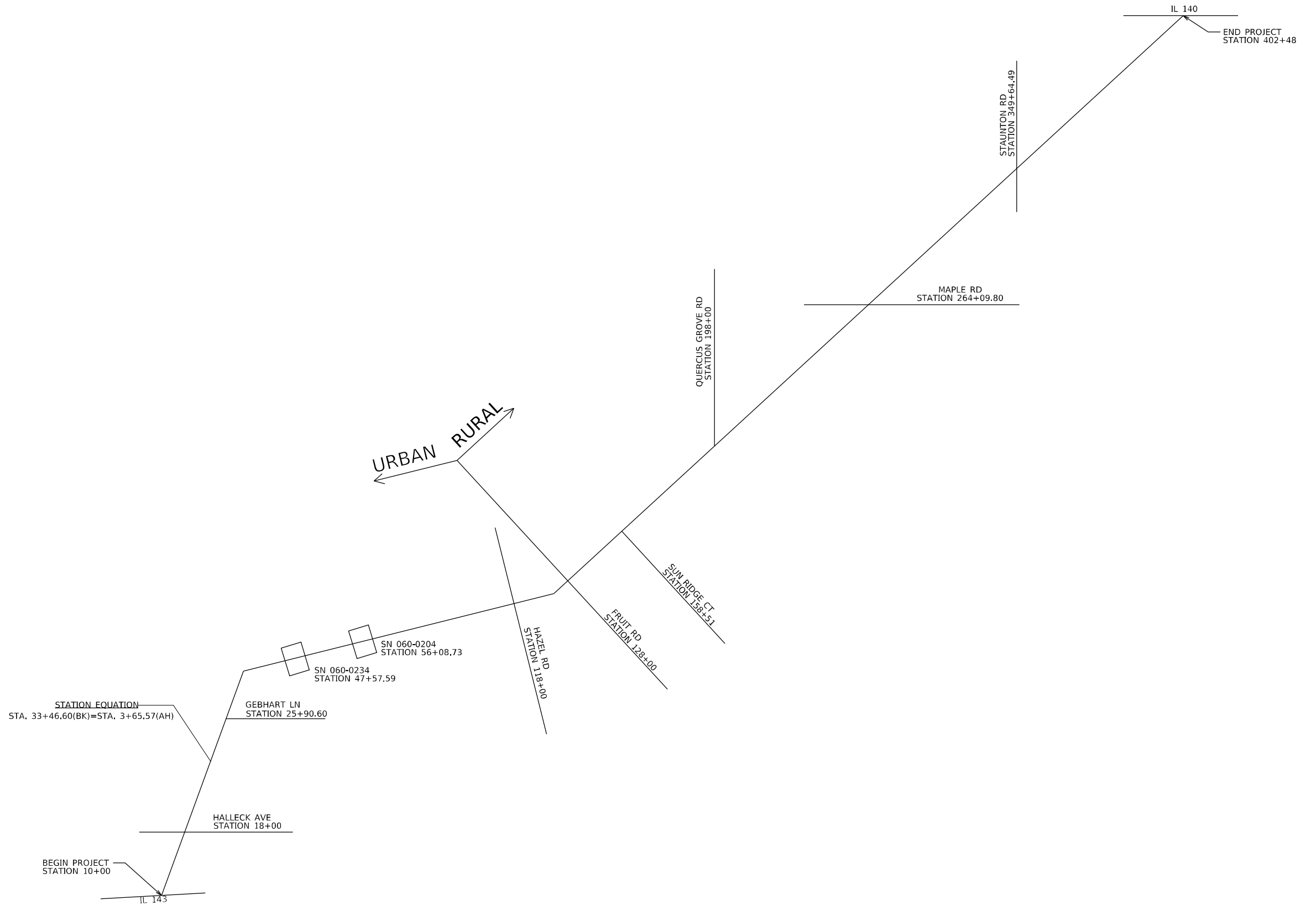


EXISTING TYPICAL SECTION
STA. 401+18 TO 402+48

LEGEND

- ① EXISTING CONCRETE BASE, 8"
- ② EXISTING MASTIC CUSHION, 1"
- ③ EXISTING BRICK PAVEMENT, 2 1/4"
- ④ EXISTING CONCRETE RETAINER, 1'-3"
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FILE NAME =	USER NAME = orleenjn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		DATE -	REVISED -					F.A.U.					CONTRACT NO. 76P18
								8890		ILLINOIS	FED. AID PROJECT		



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DRAWN - _____	REVISIONS - _____	
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PLOT DATE = 10/19/2021	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP

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

F.A. + RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(65,66,72,56)CJS-1	MADISON	11	9
* FAS 770/FAU 8890		CONTRACT NO. 76P18		
ILLINOIS FED. AID PROJECT				

CRACK SEALING					
STATION	LONGITUDINAL CRACKS CENTERLINE	LONGITUDINAL CRACKS EDGELINE	TRANSVERSE CRACKS	CRACK ROUTING (PAVEMENT)	CRACK FILLING
FAU 8890				FOOT	POUND
STA 10+00 TO STA 33+46.60	2380	4118	215	6713	2685
STA 33+46.60(BK)=STA 3+65.57 (AH)	STATION EQUATION				
STA 3+65.57 TO STA 47+57.59	4456	7708	402	12566	5026
STA 47+57.59 TO STA 49+27.59	OMISSION				
STA 49+27.59 TO STA 56+08.73	691	1195	62	1948	779
STA 56+08.73 TO STA 57+62.03	OMISSION				
STA 57+62.03 TO STA 128+00	7140	12350	644	20134	8054
FAS 770					
STA 128+00 TO STA 402+48	27239	41745	2458	71442	28577
TOTAL				112803	45121

STATIONS	PAINT PAVEMENT MARKING - LINE 4"			
	PAINT PAVEMENT MARKING-LINE 4" YELLOW SKIP DASH	PAINT PAVEMENT MARKING-LINE 4" YELLOW SOLID	PAINT PAVEMENT MARKING-LINE 4" DOUBLE YELLOW	PAINT PAVEMENT MARKING-LINE 4" WHITE EDGE LINE
FAU 8890	FOOT	FOOT	FOOT	FOOT
STA 10+00 TO STA 33+46.60	435.51		335.54	3533.2
STA 33+46.60(BK)=STA 3+65.57 (AH)	STATION EQUATION			
STA 3+65.57 TO STA 47+57.59	777.26	1490.59	2566	8784.04
STA 47+57.59 TO STA 49+27.59	OMISSION			
STA 49+27.59 TO STA 56+08.73	170.29	681.14		1362.28
STA 56+08.73 TO STA 57+62.03	OMISSION			
STA 57+62.03 TO STA 128+00	1226.25	4255	4265.94	14075.94
FAS 770				
STA 128+00 TO STA 402+48	6050	8570	6232	55025
SUB-TOTAL	8660	14997	13400	69101
TOTAL	106158			

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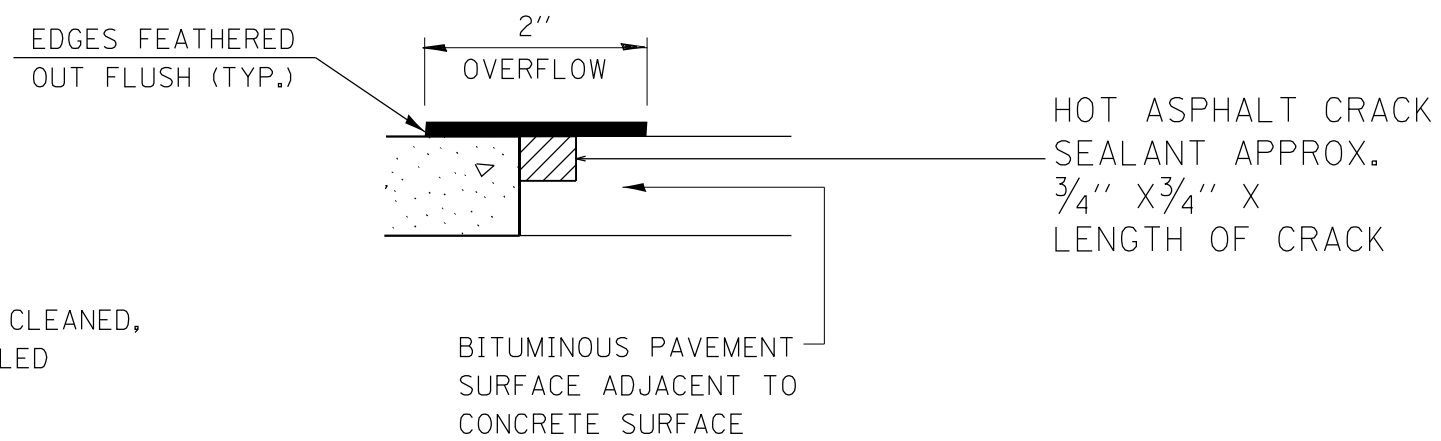
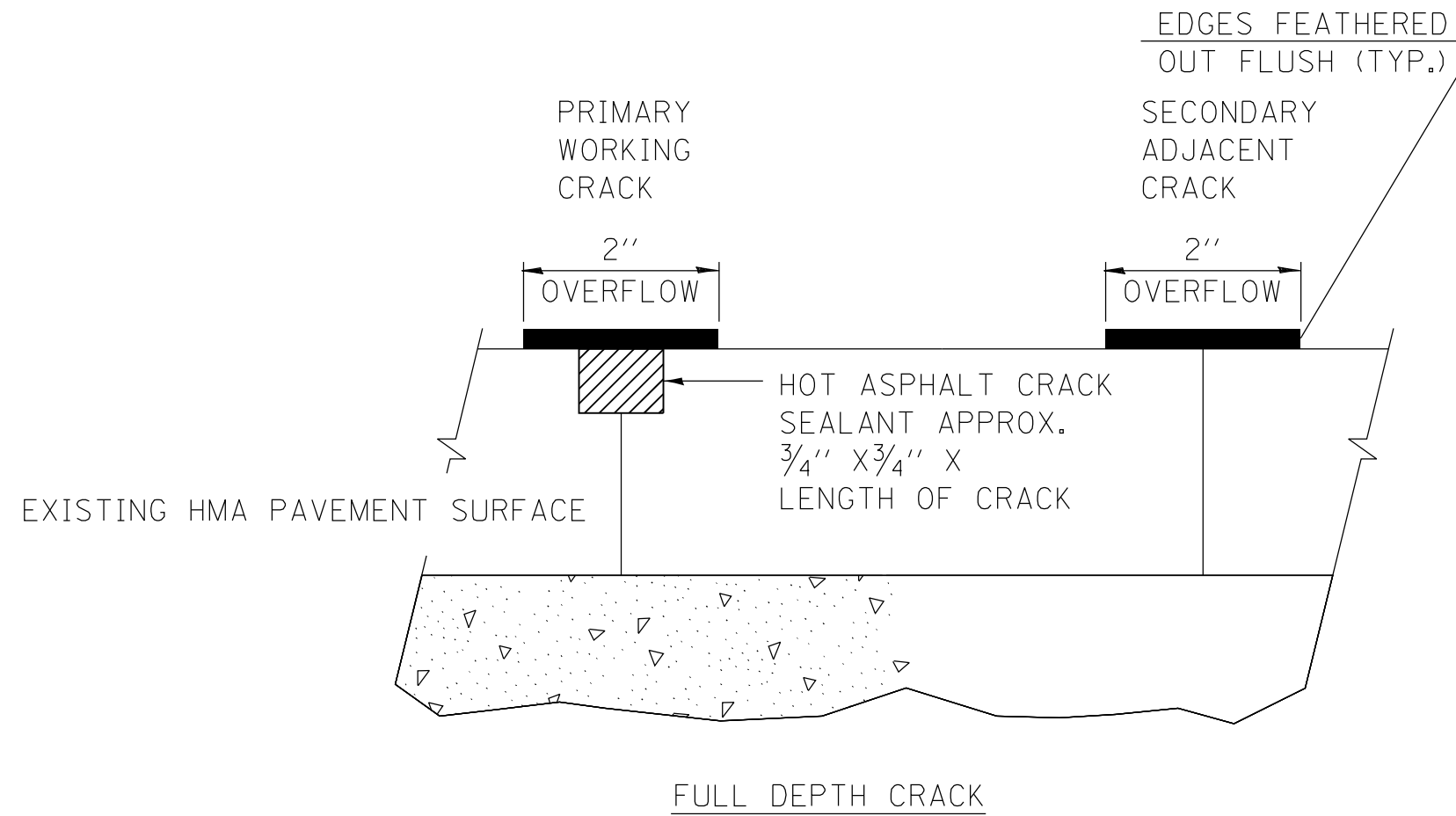
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	DRAWN - _____	REVISED - _____
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PLOT DATE = 10/22/2021	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(65,66,72,56)CJS-1	MADISON	11	10
* FAS 770/FAU 8890			CONTRACT NO. 76P18	
		ILLINOIS	FED. AID PROJECT	



 ROUTED, CLEANED, AND SEALED

TRANSVERSE/LONGITUDINAL JOINT

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DRAWN - _____	REVISED - _____	
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PLOT DATE = 10/19/2021	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CRACK & JOINT SEALING DETAIL

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(65,66,72,56)CJS-1	MADISON	11	11
FAS 770/FAU 8890			CONTRACT NO. 76P18	
ILLINOIS FED. AID PROJECT				