

091

03-06-2020 LETTING ITEM 091

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1,28-1,28-2,26-1)CJS-1	ST. CLAIR	15	1
ILLINOIS CONTRACT NO. 76N10				

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

FAP ROUTE 103 (IL 015)
SECTION (29-1,28-1,28-2,26-1)CJS-1
PROJECT NHPP-T71T(135)
CRACK AND JOINT SEAL
ST. CLAIR

C-98-050-20

TRAFFIC DATA

LAKE WOOD PL. TO FRANK SCOTT PKWY.

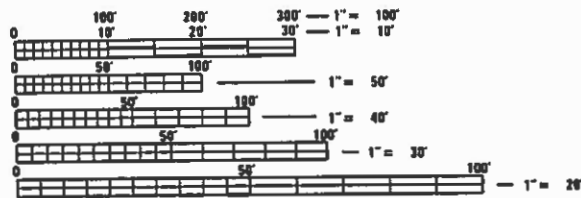
2017 ADT = 33800 (ACTUAL)
2020 ADT = 34600 (ESTIMATED)
2028 ADT = 40600 (ESTIMATED)
SU = 5.0% MU = 3.4%

FRANK SCOTT PKWY. TO IL 159

2017 ADT = 26100 (ACTUAL)
2020 ADT = 26700 (ESTIMATED)
2028 ADT = 31300 (ESTIMATED)
SU = 6.5% MU = 3.6%

DESIGN DESIGNATION

OTHER ARTERIAL

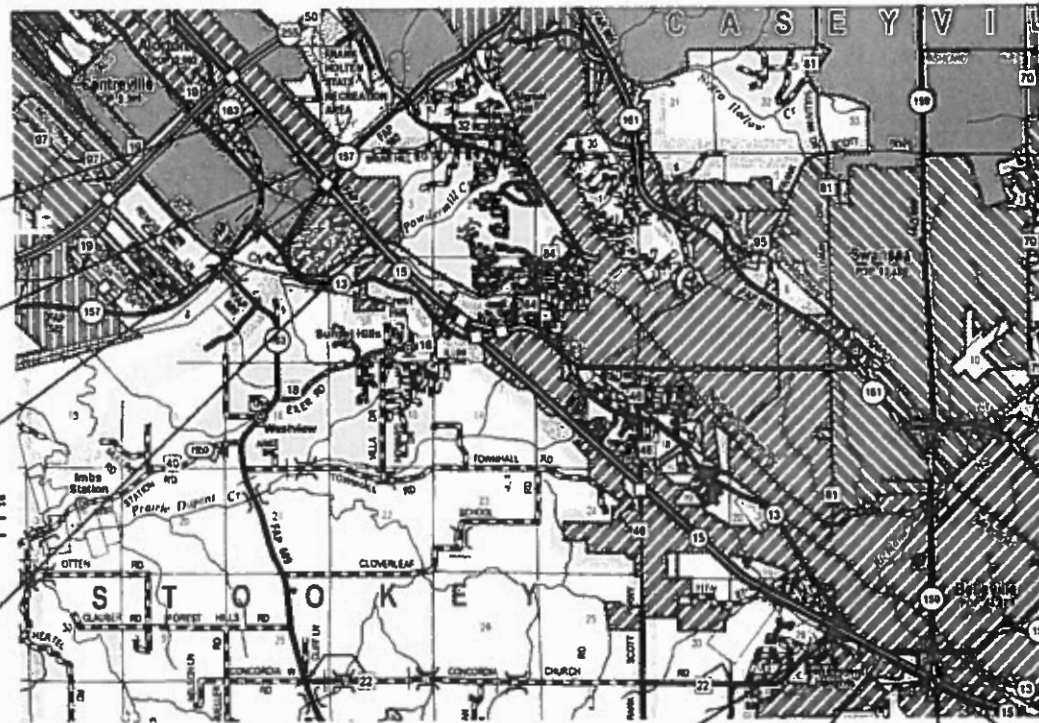


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER HERVE GELIN (618) 346-3179
PROJECT MANAGER HERVE GELIN (618) 346-3179

CONTRACT NO. 76N10



START PROJECT
STA. 124 + 14.00
LAT.: 38.57735
LONG.: -90.10232

STRUCT. OMISSION
S.N. 082-0039
STA. 159 + 09.05 -
STA. 161 + 14.45

STRUCT. OMISSION
S.N. 082-0040
STA. 232 + 99.31 -
STA. 235 + 30.26

STRUCT. OMISSION
S.N. 082-0041
STA. 271 + 16.37 -
STA. 275 + 32.24

STA. EQU.: STA. 161 + 51.78 BK
= STA. 224 + 00 AH

STRUCT. OMISSION
S.N. 082-0043
S.N. 082-0044
STA. 578 + 09.23 -
STA. 580 + 54.66

STRUCT. OMISSION
S.N. 082-0297
S.N. 082-0298
STA. 600 + 42.10 -
STA. 602 + 71.33

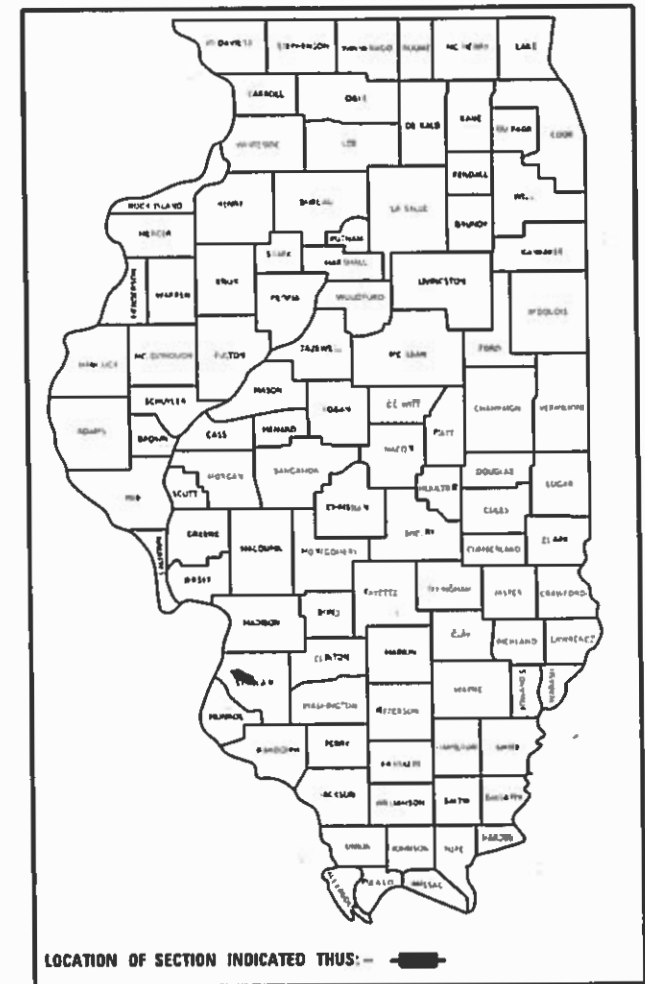
STRUCT. OMISSION
S.N. 082-0047
S.N. 082-0048
STA. 631 + 89.72 -
STA. 637 + 20.08

END PROJECT
STA. 651 + 50.00
LAT.: 38.51771
LONG.: -90.02517

LOCATION MAP
(NOT TO SCALE)

GROSS LENGTH = 46,488 FT. = 8.80 MILES
NET LENGTH = 44,629 FT. = 8.45 MILE

D-98-036-20



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Nov. 24, 2019
Kath. Roberts
REGIONAL ENGINEER

Jan 31, 2020
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 31, 2020
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				ROADWAY	URBAN
	80% FED 20% STATE				
				0005	
45100100	CRACK ROUTING (PAVEMENT)	FOOT	300258		300258
45100200	CRACK FILLING	POUND	99085		99085
67100100	MOBILIZATION	L SUM	1		1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28		28
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1		1
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		1

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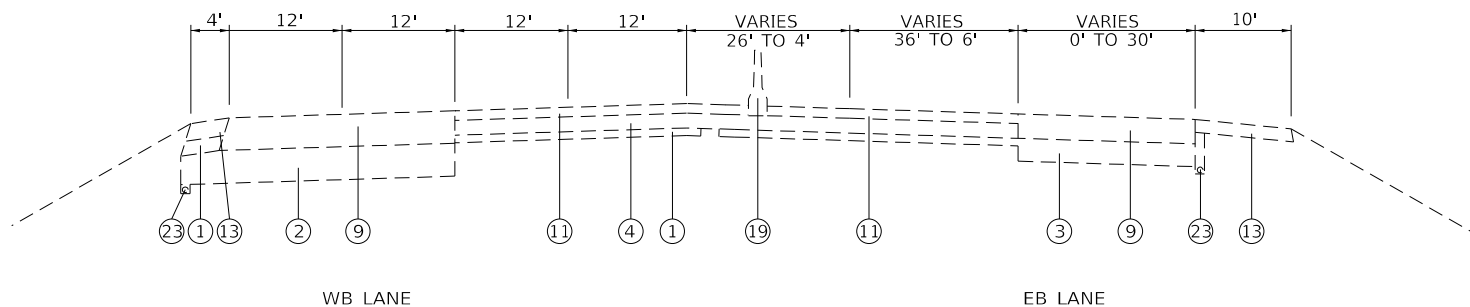
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PLOT DATE = 11/19/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

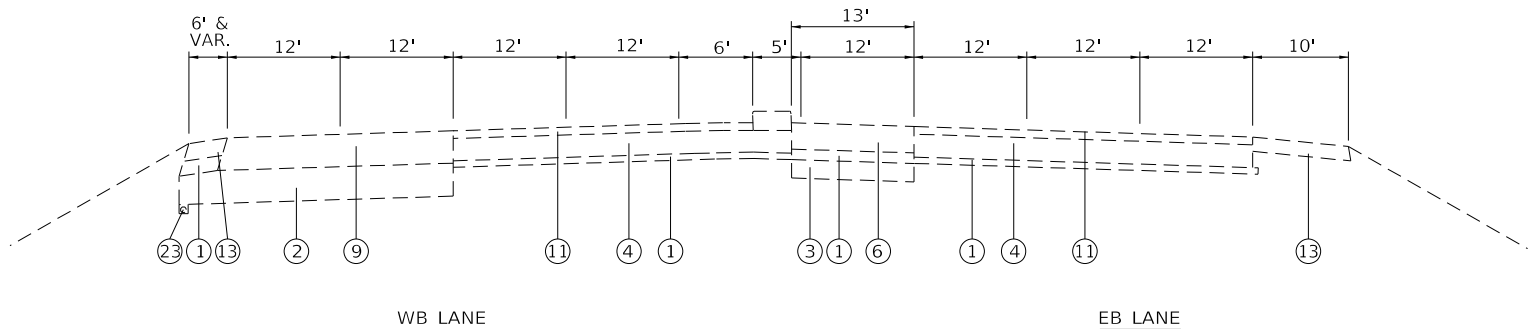
SUMMARY OF QUANTITIES

SCALE: NTS SHEET NO. OF SHEETS STA. TO STA.

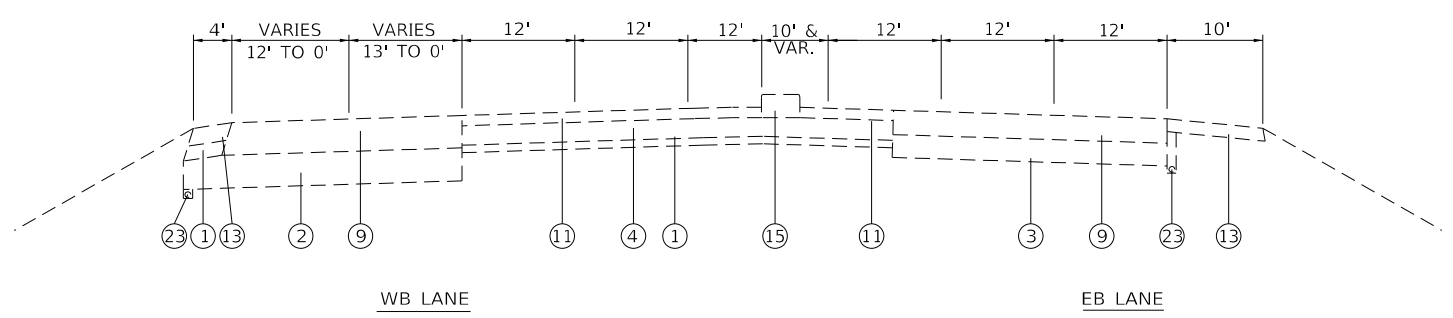
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1,28-1,28-2,26-1)CJS-1	ST. CLAIR	16	3
CONTRACT 76N10				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
STA. 124+14.00 TO STA. 132+83.92



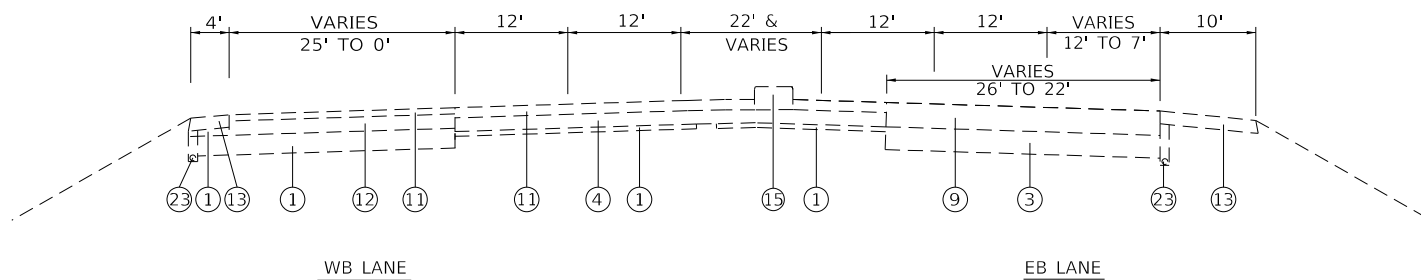
EXISTING TYPICAL SECTION
STA. 132+83.92 TO STA. 138+37.77



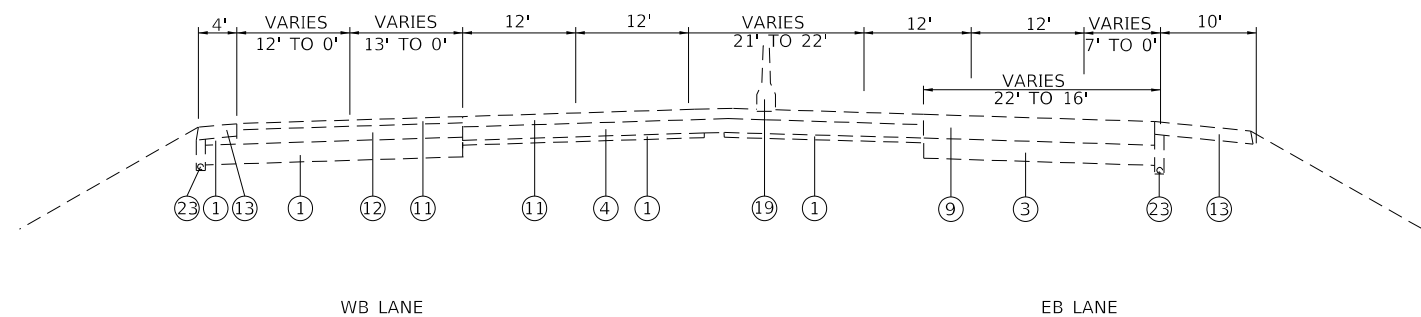
EXISTING TYPICAL SECTION
STA. 138+37.77 TO STA. 141+82.85

- LEGEND**
- ① EXISTING SUB-BASE GRANULAR MATERIAL, VARIES 4" TO 12"
 - ② EXISTING BASE COURSE, 13.5"
 - ③ EXISTING LIME MODIFIED SOIL, 12"
 - ④ EXISTING PCC PAVEMENT
 - ⑤ OMIT
 - ⑥ EXISTING PCC JOINTED PAVEMENT, 14"
 - ⑦ EXISTING PCC BASE COURSE WIDENING, 9"
 - ⑧ EXISTING WIDENING
 - ⑨ EXISTING HMA PAVEMENT (FULL DEPTH)
 - ⑩ EXISTING HMA RESURFACING, 6" TO 7.5"
 - ⑪ EXISTING HMA RESURFACING
 - ⑫ EXISTING HMA BINDER COURSE, 12"
 - ⑬ EXISTING HMA SHOULDER
 - ⑭ EXISTING HMA SHOULDER RESURFACING, VAR. DEPTH
 - ⑮ EXISTING CONCRETE MEDIAN
 - ⑯ EXISTING CONCRETE CURB, SPECIAL, 12"
 - ⑰ EXISTING CONCRETE CURB
 - ⑱ EXISTING PCC MEDIAN SURFACE, 4"
 - ⑲ EXISTING CONCRETE BARRIER
 - ⑳ EXISTING HMA SHOULDER CURB
 - ㉑ EXISTING CONCRETE GUTTER
 - ㉒ EXISTING CONCRETE CURB & GUTTER
 - ㉓ EXISTING PIPE UNDERDRAINS
 - ㉔ EXISTING AGGREGATE SHOULDERS

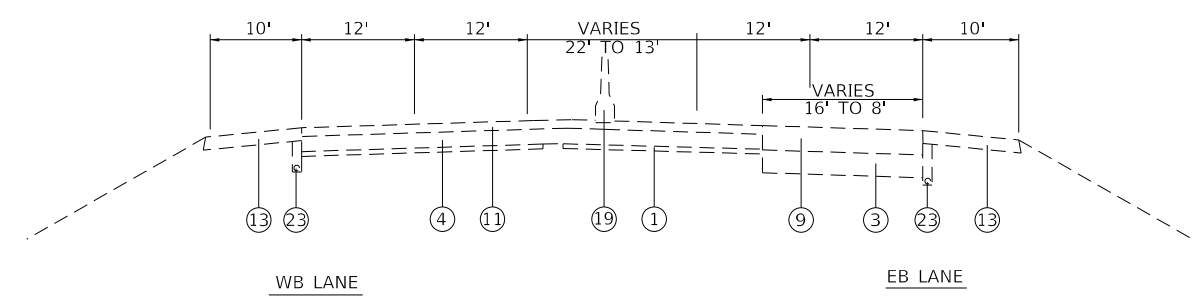
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 76N10							
PLOT DATE = 11/19/2019	DATE -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT					



EXISTING TYPICAL SECTION
STA. 141+82.85 TO STA. 144+60



EXISTING TYPICAL SECTION
STA. 144+60 TO STA. 148+83.37

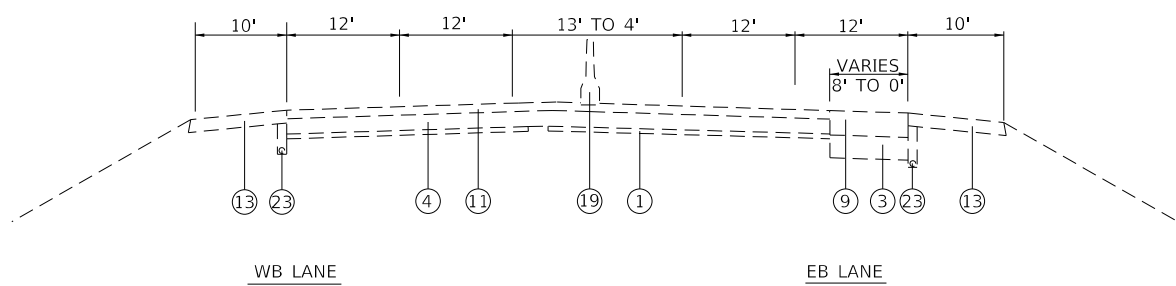


EXISTING TYPICAL SECTION
STA. 148+83.37 TO STA. 153+14.00

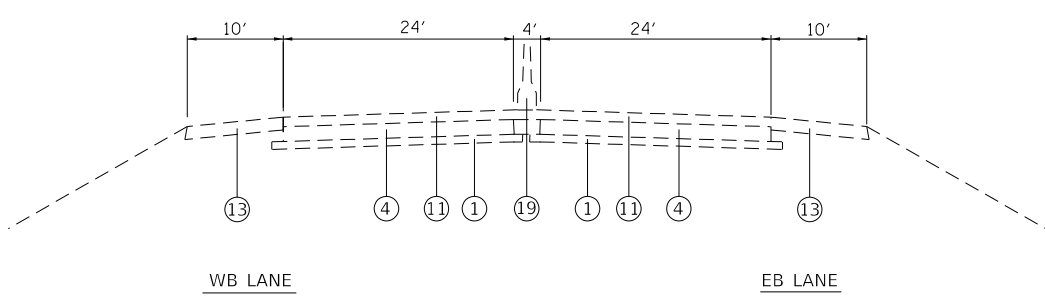
- LEGEND**
- ① EXISTING SUB-BASE GRANULAR MATERIAL, VARIES 4" TO 12"
 - ② EXISTING BASE COURSE, 13.5"
 - ③ EXISTING LIME MODIFIED SOIL, 12"
 - ④ EXISTING PCC PAVEMENT
 - ⑤ OMIT
 - ⑥ EXISTING PCC JOINTED PAVEMENT, 14"
 - ⑦ EXISTING PCC BASE COURSE WIDENING, 9"
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 - ⑮ EXISTING CONCRETE MEDIAN
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 - ⑳ EXISTING HMA SHOULDER CURB
 - ㉑ EXISTING CONCRETE GUTTER
 - ㉒ EXISTING CONCRETE CURB & GUTTER
 - ㉓ EXISTING PIPE UNDERDRAINS
 - ㉔ EXISTING AGGREGATE SHOULDERS

FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS			F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 11/19/2019	DATE -	REVISOR -	REVISOR -		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT					

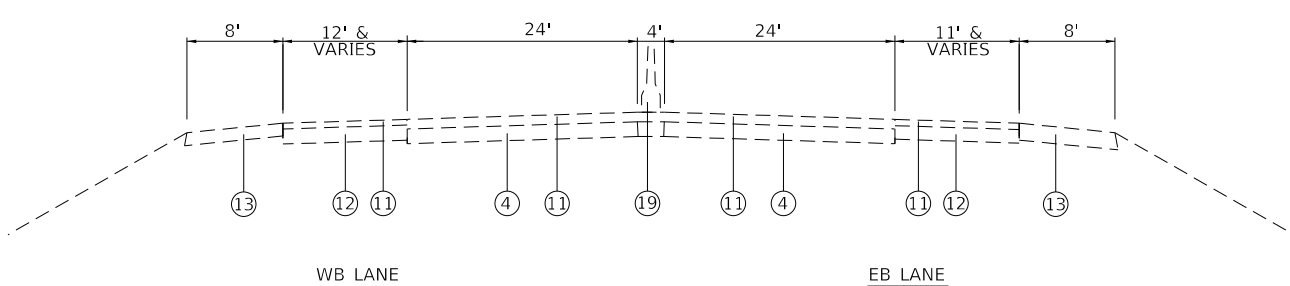
SCALE: SHEET NO. 2 OF 14 SHEETS STA. TO STA.



EXISTING TYPICAL SECTION
STA. 153+14.00 TO STA. 157+83.00



EXISTING TYPICAL SECTION
STA. 157+83 TO STA. 159+33
BRIDGE OMISSION STA. 159+33 TO STA. 160+90.50



EXISTING TYPICAL SECTION
STA. 160+90.50 - 161+51.78
STA. EQU.: STA. 161+51.78 BK = STA. 224+00 AH
STA. 224+00 TO STA. 228+07.70 EB
STA. 224+00 TO STA. 229+38.64 WB

- LEGEND**
- ① EXISTING SUB-BASE GRANULAR MATERIAL, VARIES 4" TO 12"
 - ② EXISTING BASE COURSE, 13.5"
 - ③ EXISTING LIME MODIFIED SOIL, 12"
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 - ㉓ EXISTING PIPE UNDERDRAINS
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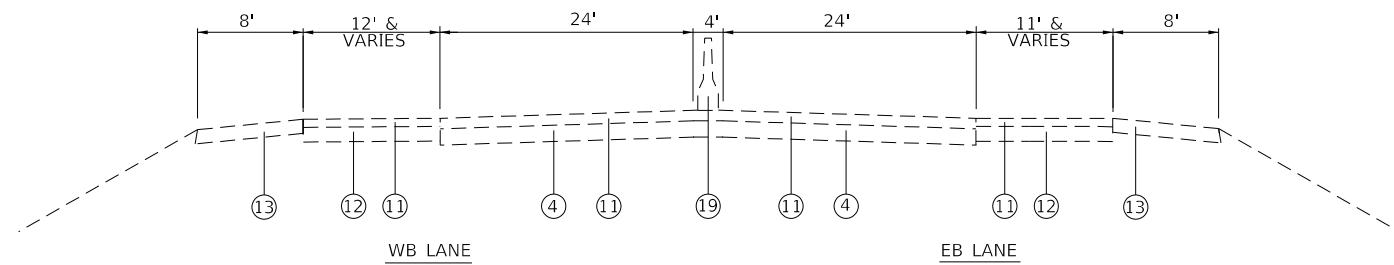
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	PLOT DATE = 11/19/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

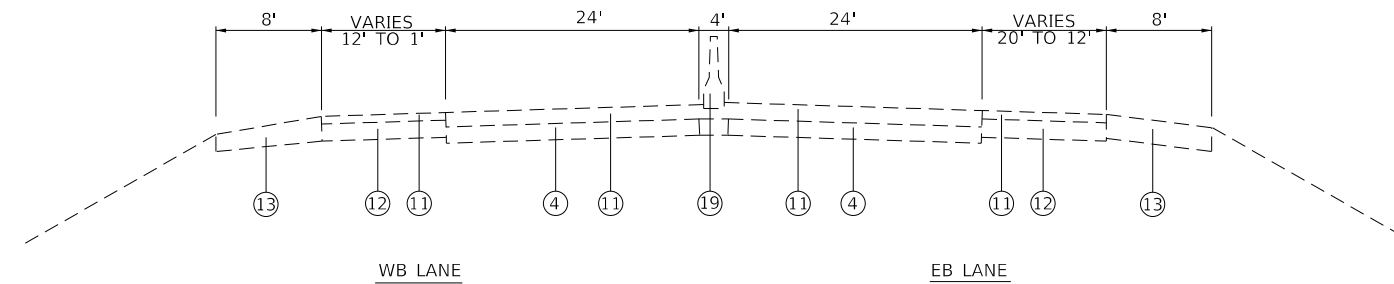
EXISTING TYPICAL SECTIONS

SCALE: SHEET NO. 3 OF 14 SHEETS STA. TO STA.

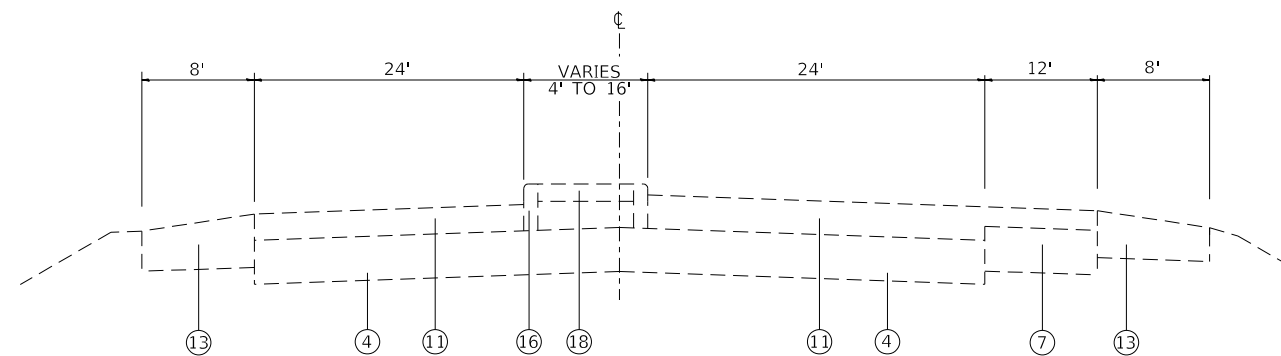
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1,28-1,28-2,26-1)CJS-1	ST. CLAIR	15	6
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76N10	



EXISTING TYPICAL SECTION
 STA. 228+07.70 TO STA. 245+50.29 EB
 STA. 229+38.64 TO STA. 245+51 WB
 BRIDGE OMISSION STA. 233+81.95 TO STA. 235+35.39



EXISTING TYPICAL SECTION
 STA. 245+50.29 TO STA. 251+20 EB
 STA. 245+51 TO STA. 251+20 WB



EXISTING TYPICAL SECTION
 STA. 251+20 TO STA. 257+03

- LEGEND**
- ① EXISTING SUB-BASE GRANULAR MATERIAL, VARIES 4" TO 12"
 - ② EXISTING BASE COURSE, 13.5"
 - ③ EXISTING LIME MODIFIED SOIL, 12"
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 - ㉓ EXISTING PIPE UNDERDRAINS
 - ㉔ EXISTING AGGREGATE SHOULDERS

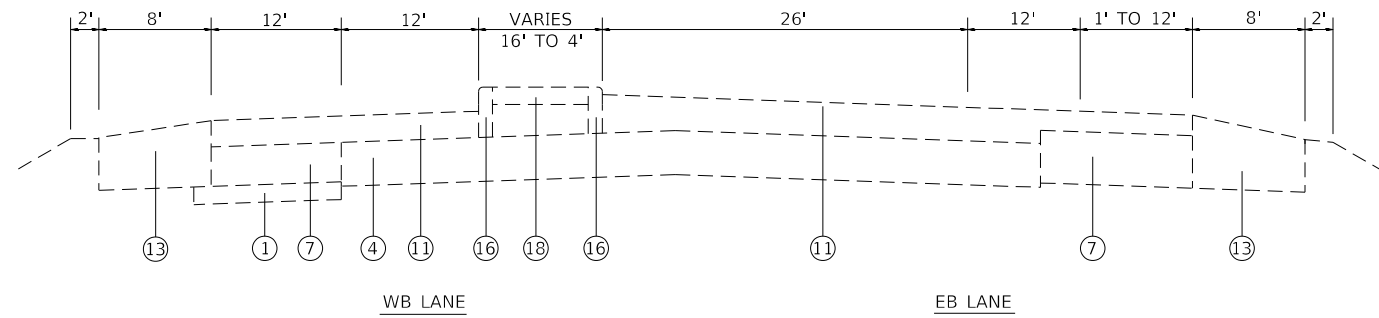
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		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

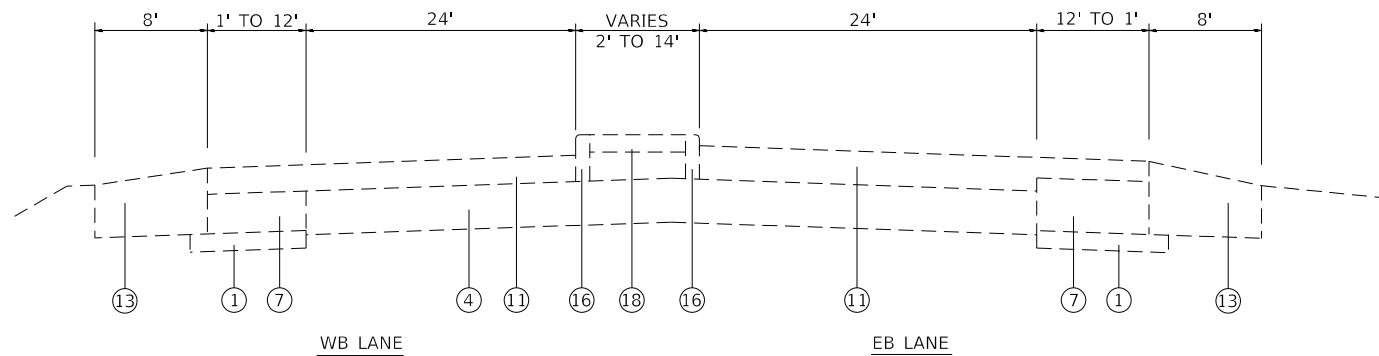
EXISTING TYPICAL SECTIONS

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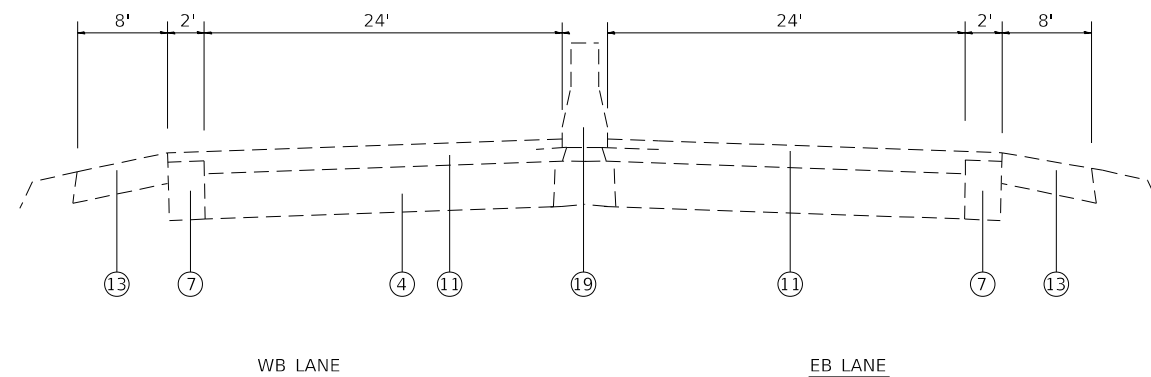
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103	(29-1,28-1,28-2,26-1)CJS-1	ST. CLAIR	15	7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76N10	



EXISTING TYPICAL SECTION
STA. 257+03 TO STA. 262+44



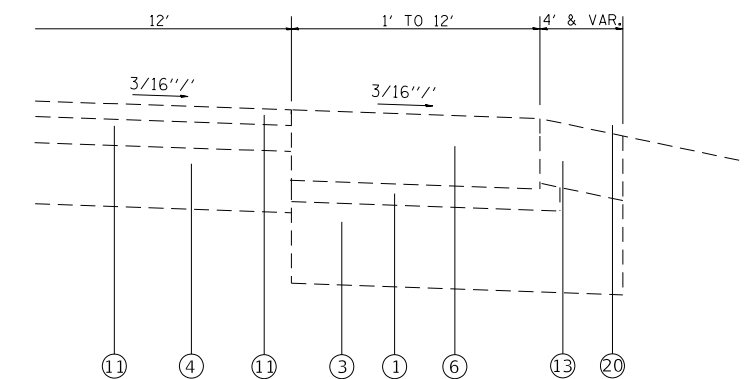
EXISTING TYPICAL SECTION
STA. 262+44 TO STA. 271+32
BRIDGE OMISSION STA. 271+32 TO STA. 275+36



EXISTING TYPICAL SECTION
STA. 275+36 TO STA. 314+40
BRIDGE OMISSION STA. 271+32 TO STA. 275+36

LEGEND

- ① EXISTING SUB-BASE GRANULAR MATERIAL, VARIES 4" TO 12"
- ② EXISTING BASE COURSE, 13.5"
- ③ EXISTING LIME MODIFIED SOIL, 12"
- ④ EXISTING PCC PAVEMENT
- ⑤ OMIT
- ⑥ EXISTING PCC JOINTED PAVEMENT, 14"
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- ㉓ EXISTING PIPE UNDERDRAINS
- ㉔ EXISTING AGGREGATE SHOULDERS



HALF SECTION (TURN LANE VICINITY)
BUSCH BLVD.

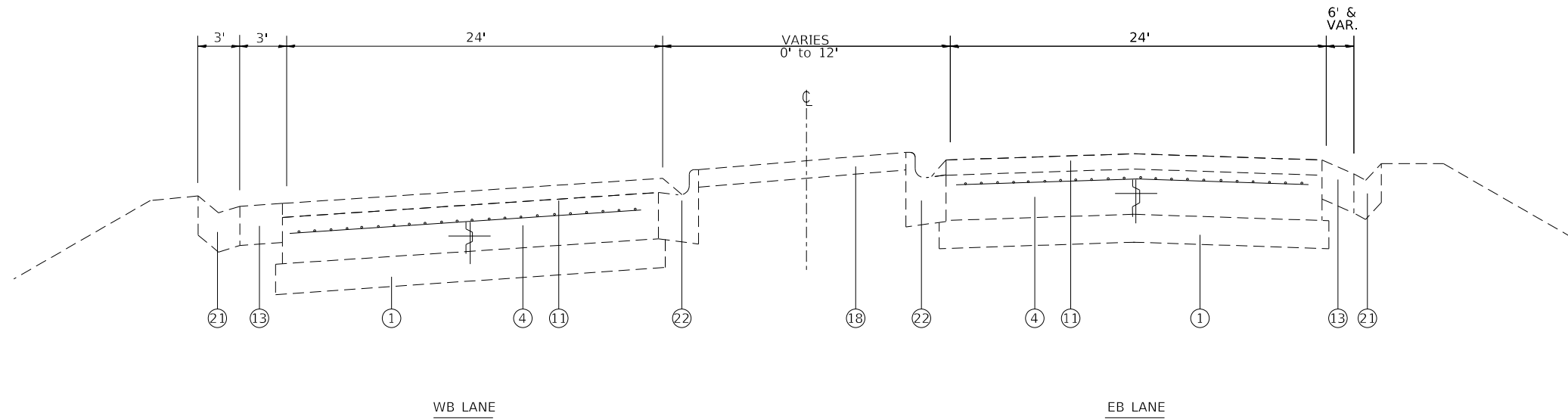
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL SECTIONS

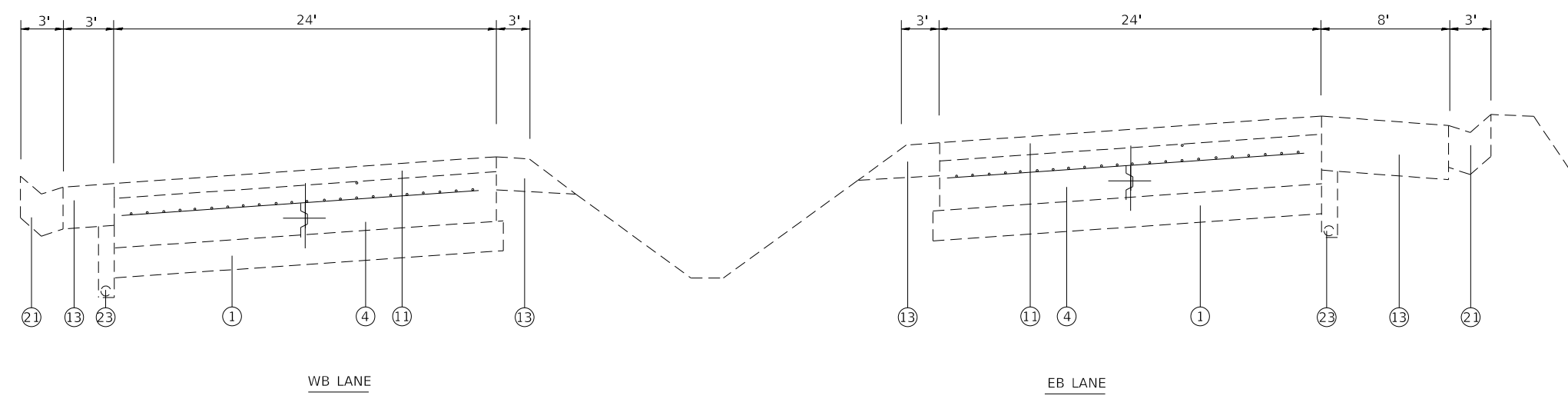
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F.A.P. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1,28-1,28-2,26-1)CJS-1	ST. CLAIR	15	8
CONTRACT NO. 76N10				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



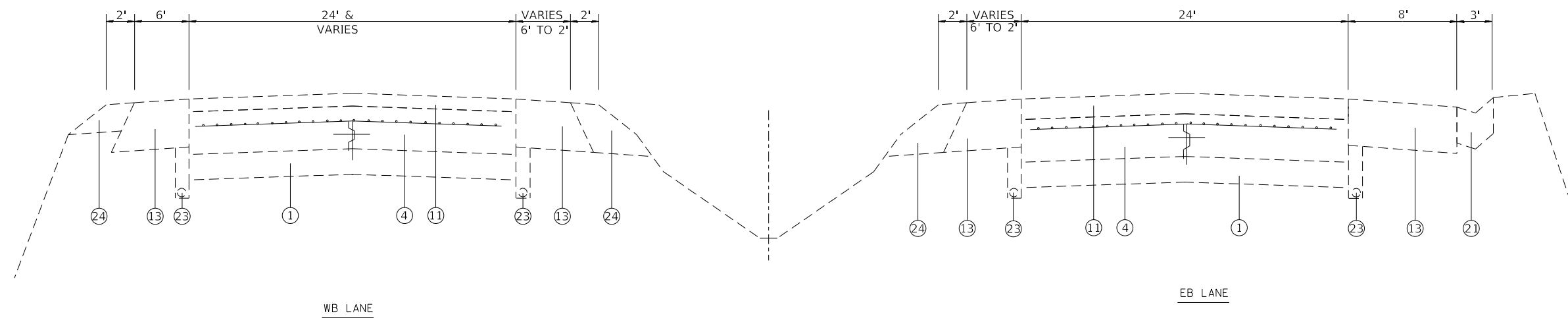
EXISTING TYPICAL SECTION
STA. 314+40 TO STA. 315+77.54

- LEGEND**
- ① EXISTING SUB-BASE GRANULAR MATERIAL, VARIES 4" TO 12"
 - ② EXISTING BASE COURSE, 13.5"
 - ③ EXISTING LIME MODIFIED SOIL, 12"
 - ④ EXISTING PCC PAVEMENT
 - ⑤ OMIT
 - ⑥ EXISTING PCC JOINTED PAVEMENT, 14"
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 - ㉒ EXISTING CONCRETE CURB & GUTTER
 - ㉓ EXISTING PIPE UNDERDRAINS
 - ㉔ EXISTING AGGREGATE SHOULDERS



EXISTING TYPICAL SECTION
STA. 315+77.54 TO STA. 318+34.62

FILE NAME =	USER NAME = DntelmaJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000' / in.		DATE -	REVISED -		CONTRACT NO. 76N10							
PLOT DATE = 11/19/2019					SCALE:	SHEET NO. 6 OF 14 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		



EXISTING TYPICAL SECTION
 STA. 318+34.62 TO STA. 330+63.30

LEGEND

- ① EXISTING SUB-BASE GRANULAR MATERIAL, VARIES 4" TO 12"
- ② EXISTING BASE COURSE, 13.5"
- ③ EXISTING LIME MODIFIED SOIL, 12"
- ④ EXISTING PCC PAVEMENT
- ⑤ OMIT
- ⑥ EXISTING PCC JOINTED PAVEMENT, 14"
- ⑦ EXISTING PCC BASE COURSE WIDENING, 9"
- ⑧ EXISTING WIDENING
- ⑨ EXISTING HMA PAVEMENT (FULL DEPTH)
- ⑩ EXISTING HMA RESURFACING, 6" TO 7.5"
- ⑪ EXISTING HMA RESURFACING
- ⑫ EXISTING HMA BINDER COURSE, 12"
- ⑬ EXISTING HMA SHOULDER
- ⑭ EXISTING HMA SHOULDER RESURFACING, VAR. DEPTH
- ⑮ EXISTING CONCRETE MEDIAN
- ⑯ EXISTING CONCRETE CURB, SPECIAL, 12"
- ⑰ EXISTING CONCRETE CURB
- ⑱ EXISTING PCC MEDIAN SURFACE, 4"
- ⑲ EXISTING CONCRETE BARRIER
- ⑳ EXISTING HMA SHOULDER CURB
- ㉑ EXISTING CONCRETE GUTTER
- ㉒ EXISTING CONCRETE CURB & GUTTER
- ㉓ EXISTING PIPE UNDERDRAINS
- ㉔ EXISTING AGGREGATE SHOULDERS

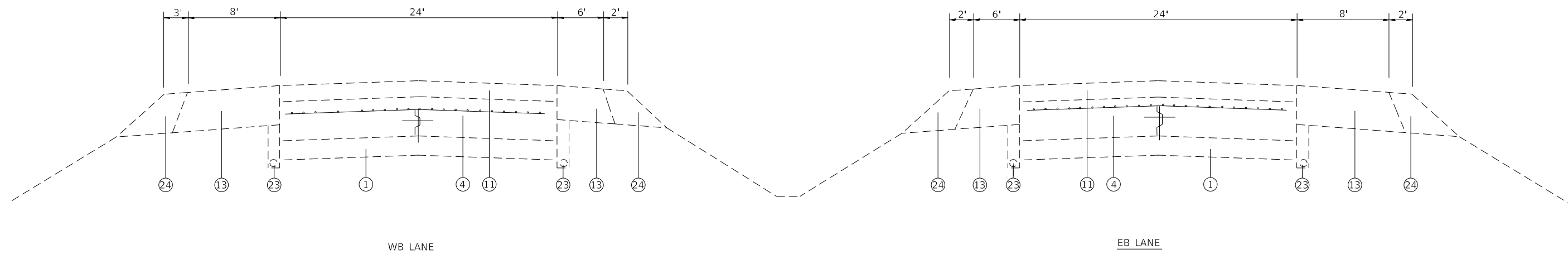
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		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL SECTIONS

SCALE: SHEET NO. 7 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1,28-1,28-2,26-1CJS-1	ST. CLAIR	15	10
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76N10	



EXISTING TYPICAL SECTION
 STA. 330+63.30 TO STA. 377+58.81

LEGEND

- ① EXISTING SUB-BASE GRANULAR MATERIAL, VARIES 4" TO 12"
- ② EXISTING BASE COURSE, 13.5"
- ③ EXISTING LIME MODIFIED SOIL, 12"
- ④ EXISTING PCC PAVEMENT
- ⑤ OMIT
- ⑥ EXISTING PCC JOINTED PAVEMENT, 14"
- ⑦ EXISTING PCC BASE COURSE WIDENING, 9"
- ⑧ EXISTING WIDENING
- ⑨ EXISTING HMA PAVEMENT (FULL DEPTH)
- ⑩ EXISTING HMA RESURFACING, 6" TO 7.5"
- ⑪ EXISTING HMA RESURFACING
- ⑫ EXISTING HMA BINDER COURSE, 12"
- ⑬ EXISTING HMA SHOULDER
- ⑭ EXISTING HMA SHOULDER RESURFACING, VAR. DEPTH
- ⑮ EXISTING CONCRETE MEDIAN
- ⑯ EXISTING CONCRETE CURB, SPECIAL, 12"
- ⑰ EXISTING CONCRETE CURB
- ⑱ EXISTING PCC MEDIAN SURFACE, 4"
- ⑲ EXISTING CONCRETE BARRIER
- ⑳ EXISTING HMA SHOULDER CURB
- ㉑ EXISTING CONCRETE GUTTER
- ㉒ EXISTING CONCRETE CURB & GUTTER
- ㉓ EXISTING PIPE UNDERDRAINS
- ㉔ EXISTING AGGREGATE SHOULDERS

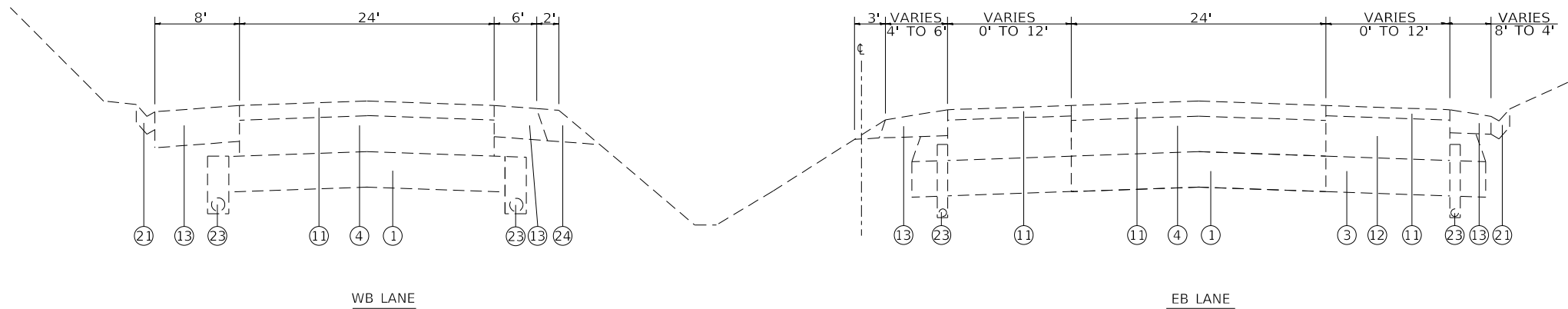
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/19/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

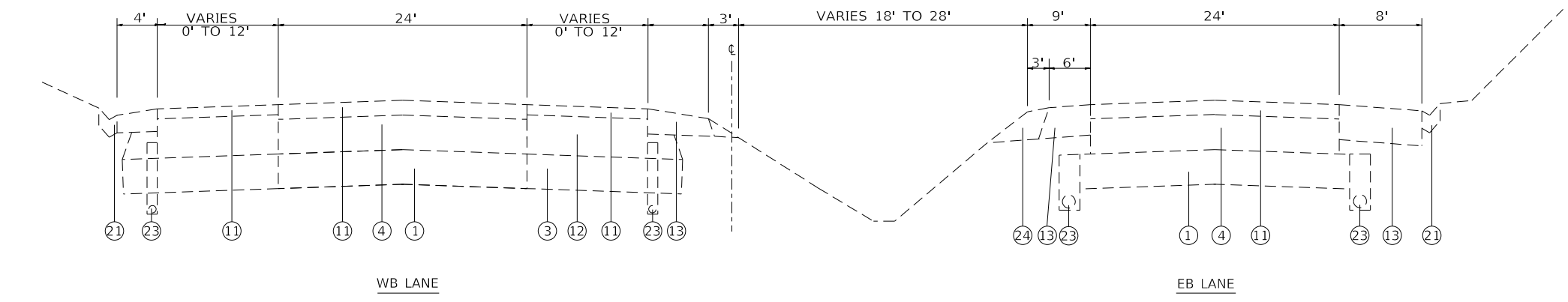
EXISTING TYPICAL SECTIONS

SCALE: SHEET NO. 8 OF 14 SHEETS STA. TO STA.

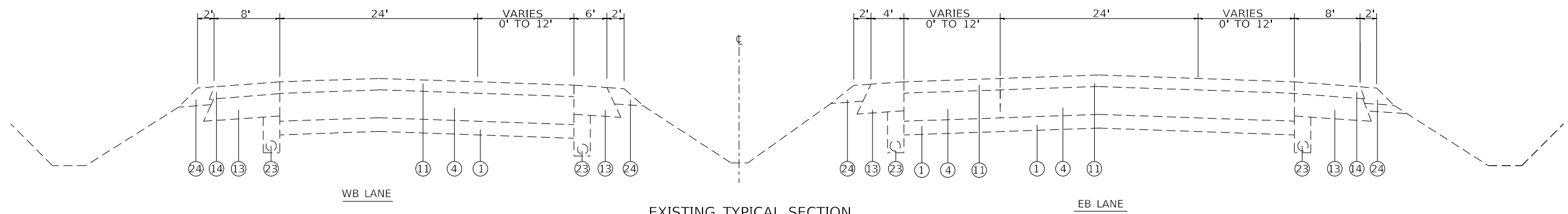
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1,28-1,28-2,26-1)CJS-1	ST. CLAIR	15	11
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76N10	



EXISTING TYPICAL SECTION
STA. 490+96.92 TO STA. 497+41.51



EXISTING TYPICAL SECTION
STA. 497+41.51 TO STA. 502+87.25



EXISTING TYPICAL SECTION
STA. 546+70.24 TO STA. 558+73.30
STA. 566+34.03 TO STA. 597+38.34
STA. 617+51.81 TO STA. 651+50

- LEGEND**
- ① EXISTING SUB-BASE GRANULAR MATERIAL, VARIES 4" TO 12"
 - ② EXISTING BASE COURSE, 13.5"
 - ③ EXISTING LIME MODIFIED SOIL, 12"
 - ④ EXISTING PCC PAVEMENT
 - ⑤ OMIT
 - ⑥ EXISTING PCC JOINTED PAVEMENT, 14"
 - ⑦ EXISTING PCC BASE COURSE WIDENING, 9"
 - ⑧ EXISTING WIDENING
 - ⑨ EXISTING HMA PAVEMENT (FULL DEPTH)
 - ⑩ EXISTING HMA RESURFACING, 6" TO 7.5"
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 - ⑫ EXISTING HMA BINDER COURSE, 12"
 - ⑬ EXISTING HMA SHOULDER
 - ⑭ EXISTING HMA SHOULDER RESURFACING, VAR. DEPTH
 - ⑮ EXISTING CONCRETE MEDIAN
 - ⑯ EXISTING CONCRETE CURB, SPECIAL, 12"
 - ⑰ EXISTING CONCRETE CURB
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 - ⑲ EXISTING CONCRETE BARRIER
 - ⑳ EXISTING HMA SHOULDER CURB
 - ㉑ EXISTING CONCRETE GUTTER
 - ㉒ EXISTING CONCRETE CURB & GUTTER
 - ㉓ EXISTING PIPE UNDERDRAINS
 - ㉔ EXISTING AGGREGATE SHOULDERS

FILE NAME =	USER NAME = DntelmerJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000' / in.		DATE -	REVISED -		CONTRACT NO. 76N10							
PLOT DATE = 11/19/2019					SCALE:	SHEET NO. 10 OF 14 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

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CRACK SEALING					
STATION	LONGITUDINAL CRACKS EDGELINES	LONGITUDINAL CRACKS CENTERLINE	TRANSVERSE CRACKS	CRACK ROUTING FOOT	CRACK FILLING POUND
WB LANES					
STA. 124+14 TO STA. 148+83	4794	4794	324	9912	3270.96
STA. 148+83 TO STA. 651+50	88134	44067	8016	140217	46271.61
EB LANES					
STA. 124+14 TO STA. 148+83	4794	4794	324	9912	3270.96
STA. 148+83 TO STA. 651+50	88134	44067	8016	140217	46271.61
TOTAL				300258	99085

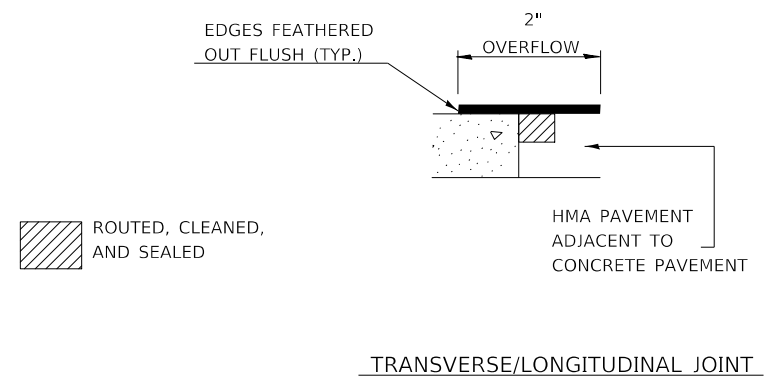
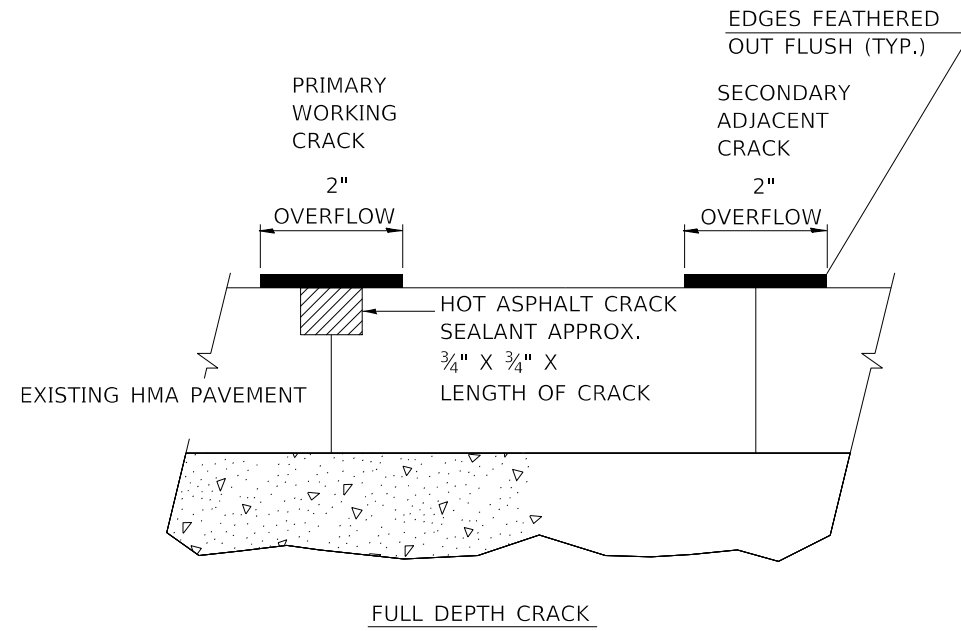
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/19/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NTS SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1,28-1,28-2,26-1)CJS-1	ST. CLAIR	15	14
CONTRACT 76N10				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



CRACK & JOINT SEALING DETAILS

FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CRACK & JOINT SEALING DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\0876N10\0876N10\Drawings\CADsheets\0876N10-sht-plan.dgn	DESIGNED -	REVISED -	REVISED -					103	(29-1,28-1,28-2,26-1)CJS-1	ST. CLAIR	15	15
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 76N10							
PLOT DATE = 11/19/2019	DATE -	REVISED -	REVISED -		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT					
				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.					