

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM2019-6		23	1
* DEWITT & MCLEAN		ILLINOIS	CONTRACT NO. 70D48	

03-08-2019 LETTING ITEM 137

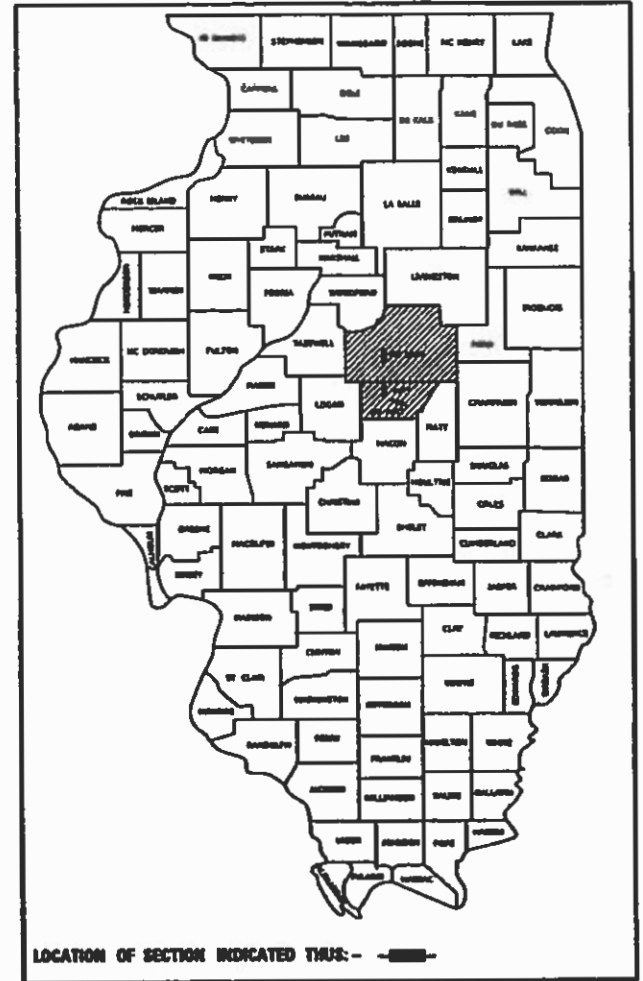
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

VARIOUS ROUTES
SECTION D5 CM2019-6
PROJECT
MISCELLANEOUS PATCHING
DEWITT & MCLEAN COUNTY

C-95-009-19

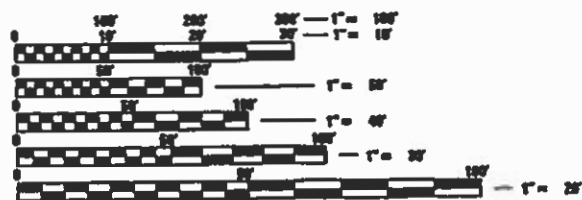
D-95-006-19



FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 6

CURRENT TRAFFIC DATA
SEE LOCATION MAPS

DESIGN DESIGNATION
N / A



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

MCLEAN COUNTY TOWNSHIPS: BLOOMINGTON
DEWITT COUNTY TOWNSHIPS: CREEK, DEWITT, WAPELLA

PROJECT ENGINEER: NANCY FASIG
SR. SQUAD LEADER: BRIAN J. HOGAN
DESIGNER: JASON HELANDER
PHONE NUMBER: (217)465-4181

CONTRACT NO. 70D48

FOR LOCATION MAPS, SEE SHEET NOS. 4-5

GROSS LENGTH = 42,903.1 FT. = 8.126 MILE
NET LENGTH = 11,418.00 FT. = 2.163 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 11, 2018
Kenil A. Sunnettson
REGIONAL ENGINEER

Feb 1 2019
ENGINEER OF DESIGN AND ENVIRONMENT

Feb 20 2019
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 3

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVER SHEET
2	INDEX OF SHEETS / LIST OF STANDARDS
3	GENERAL NOTES
4-5	LOCATION MAPS
6	SUMMARY OF QUANTITIES
7-20	TYPICAL CROSS SECTIONS
21-22	SCHEDULE OF QUANTITIES
23	PLAN SHEET FOR DETECTOR LOOP

LIST OF STANDARDS

<u>STANDARD NO.</u>	<u>NAME OF STANDARD</u>
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATION DAY ONLY, FOR SPEEDS \geq 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEED \geq 45 TO 55 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES
886001-01	DETCOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

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 PROJECT: \\PROJECT
 OFFICE: \\OFFICE
 DRAWING: \\DRAWING

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PLOT DATE = 12/10/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS &
LIST OF STANDARDS**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM2019-6	*	23	2
*DEWITT & MCLEAN			CONTRACT NO. 70D48	
ILLINOIS		FED. AID PROJECT		

GENERAL NOTES

GN 105.07C
 EXISTING STATE-OWNED AND MAINTAINED UNDERGROUND UTILITY FACILITIES EXIST WITHIN THE ROW. THE DEPARTMENT IS NOT A MEMBER OF JULIE AND DOES NOT LOCATE IT'S OWN FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE AT THEIR OWN EXPENSE FOR SECURING AN APPROVED LOCATING FIRM TO LOCATE ALL EXISTING IDOT UNDERGROUND FACILITIES PRIOR TO COMMENCING ANY EXCAVATION, PER THE REQUIREMENTS OF ARTICLE 803 OF THE STANDARD SPECIFICATIONS. UTILITY LOCATES MAY ALSO BE REQUIRED OUTSIDE THE PROJECT LIMITS, SUCH AS FOR TRAFFIC CONTROL SIGNING AND OTHER ITEMS. THE CONTRACTOR MAY OBTAIN, ON REQUEST, PLANS OF EXISTING ELECTRICAL FACILITIES FROM THE DEPARTMENT. FOR FURTHER INFORMATION, THE CONTRACTOR MAY CONTACT THE DISTRICT TRAFFIC OPERATIONS ENGINEER, GARY SIMS, AT 217-251-4859.

G.N.-406
 THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N. -406H
 MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION(S):	LOCATION #1 U.S. 51 BUS (MAIN ST.)	LOCATION #4 U.S. 51
MIXTURE USE(S):	POLYMER SURFACE / SHOULDER	POLYMER SURFACE / SHOULDER
AC/PG:	SBS PG 70-22	PG 64-28
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=70
MIXTURE COMP (GRADATION)	IL 9.5	IL 9.5
FRICTION AGGREGATE	MIX D	MIX D
MIXTURE WEIGHT	112	112
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA
SUBLOT SIZE	N.A.	N.A.

LOCATION(S):	LOCATION #2 IL 10	LOCATION #3 IL 54
MIXTURE USE(S):	SURFACE / SHOULDER	SURFACE / SHOULDER
AC/PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes=50	4.0% @ Ndes=50
MIXTURE COMP (GRADATION)	IL 9.5	IL 9.5
FRICTION AGGREGATE	MIX C	MIX C
MIXTURE WEIGHT	112	112
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA
SUBLOT SIZE	N.A.	N.A.

G.N.-440C
 THE MACHINE USED FOR HOT-MIX ASPHALT SURFACE REMOVAL ON THE THROUGH TRAFFIC LANES ON THIS JOB SHALL BE CAPABLE OF REMOVING A LAYER OF BITUMINOUS MATERIAL AT LEAST 12 FT. IN WIDTH AND 1 1/2 INCHES IN DEPTH IN A SINGLE PASS.

G.N. - 873
 EXISTING DETECTOR LOOPS IN THE AREAS OF PROPOSED SURFACE REMOVAL SHALL BE REPLACED PER THE EXISTING SIZE AND LOCATION EXCEPT AS NOTED IN THE PLANS. EXISTING DETECTOR LOOPS SHALL BE DISCONNECTED AT THE GULFBOX JUNCTION OR HANDHOLE PRIOR TO COLD MILLING AT THAT RESPECTIVE LOCATION. NEW DETECTOR LOOPS SHALL BE CONNECTED TO THE RESPECTIVE EXISTING AMPLIFIER VIA THE CORRESPONDING EXISTING LEAD-IN CABLE.

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 OFFICE: \\OFFICE
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: N/A SHEET 1 OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM2019-6	*	23	3
*DEWITT & MCLEAN			CONTRACT NO. 70D48	
ILLINOIS FED. AID PROJECT				

LOCATION MAP #1

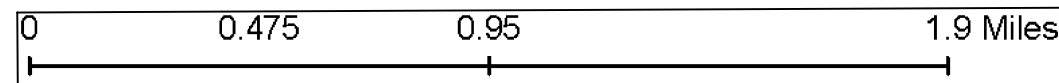
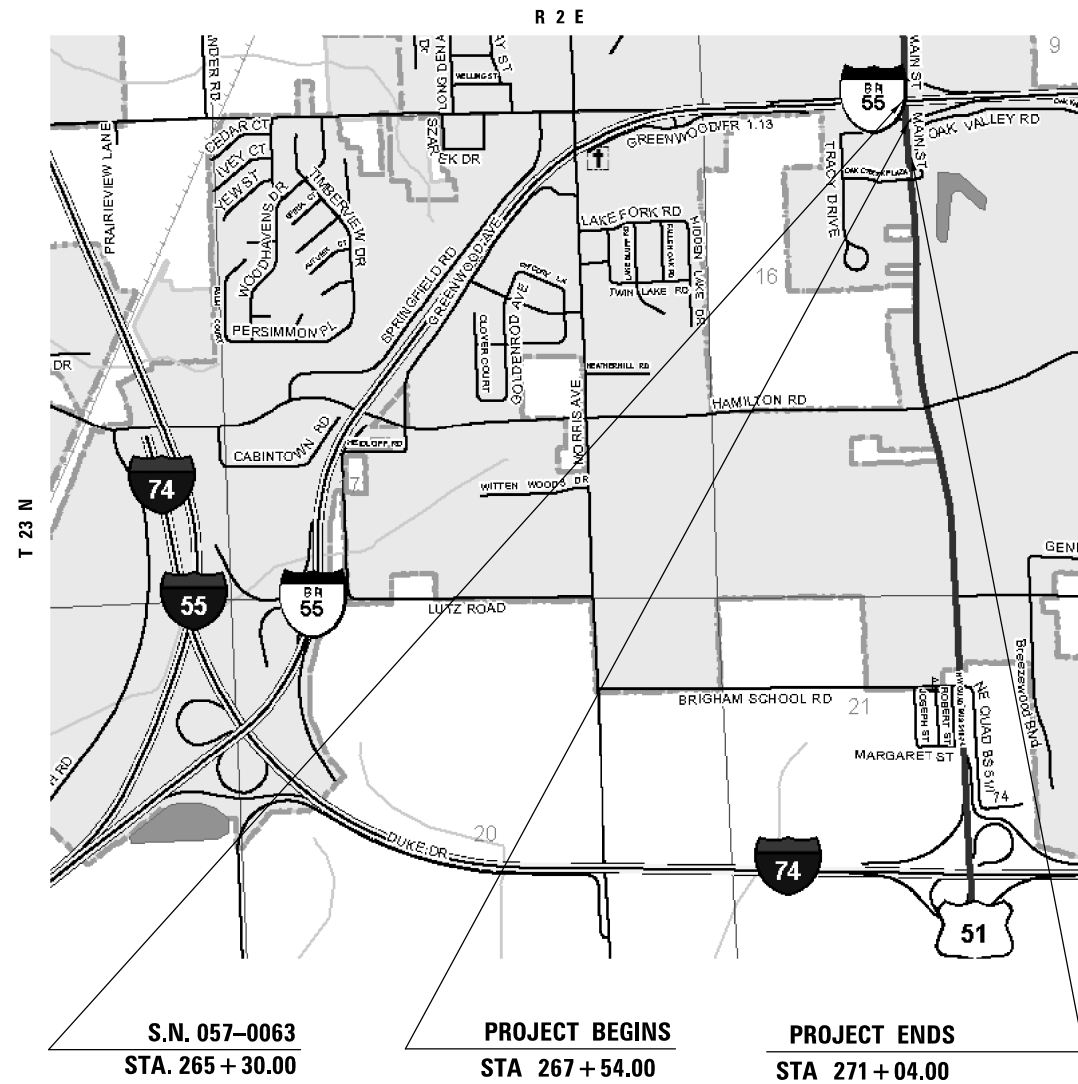
MCLEAN COUNTY

FAP 730 (U.S. 51B) RIGHT TURN LANE AT EB VETERANS PARKWAY ON RAMP



CURRENT TRAFFIC DATA				
LOCATION	ADT 2018	PU %	SU %	MU %
FAP 730 (U.S. 51B)	15,900	90.1	7.9	2.0

FUNCTIONAL CLASS. = OTHER PRINCIPAL ARTERIAL (URBAN)



GROSS LENGTH = 350.00 FT. = 0.066 MILE
NET LENGTH = 350.00 FT. = 0.066 MILE

LOCATION MAP #2

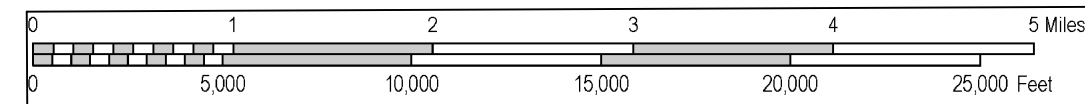
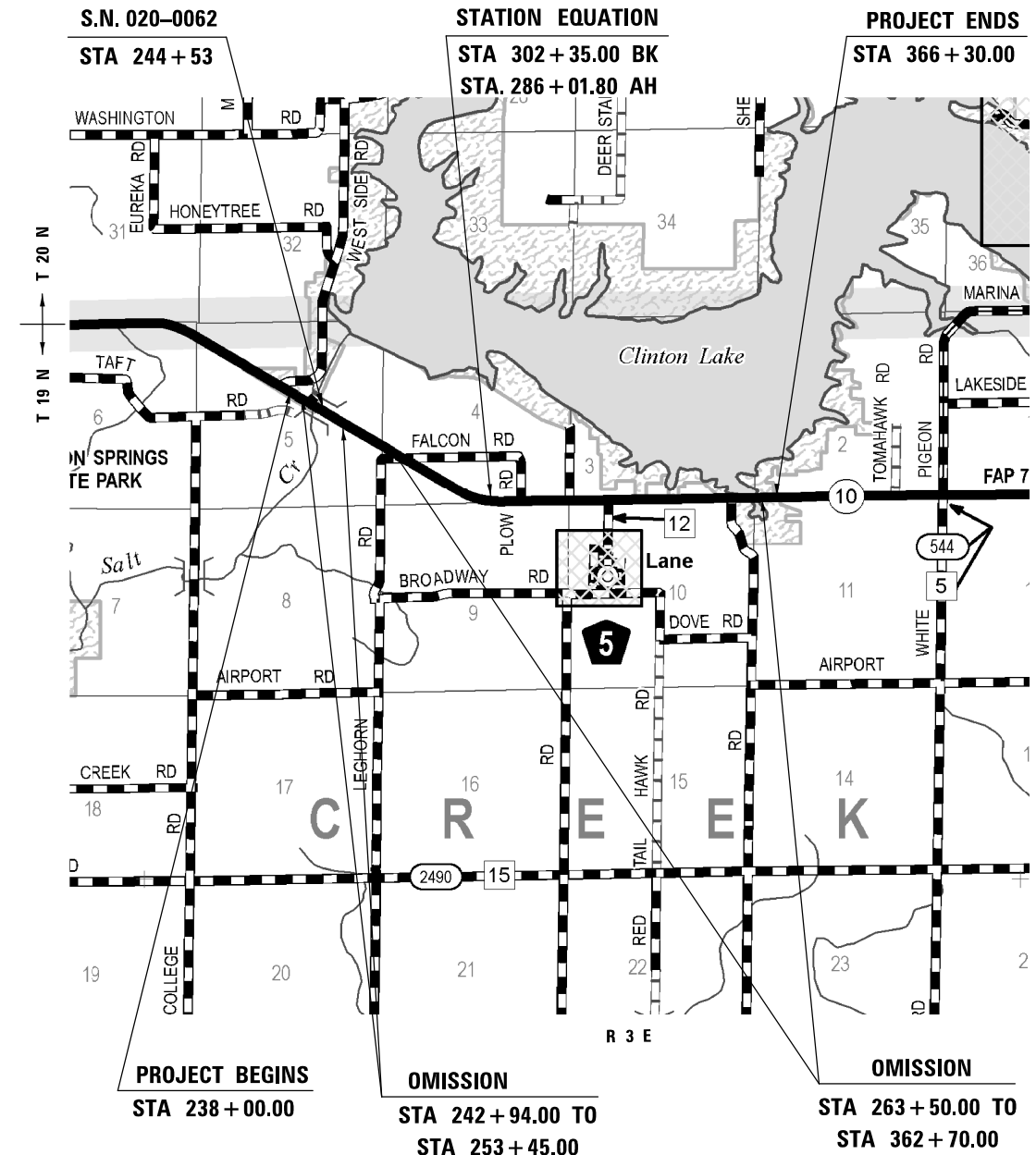
DEWITT COUNTY

FAP 721 (ILL 10) EAST OF CLINTON



CURRENT TRAFFIC DATA				
LOCATION	ADT 2018	PU %	SU %	MU %
FAP 721 (ILL 10)	1,500	87.3	6.7	6.0

FUNCTIONAL CLASS. = MINOR ARTERIAL (RURAL)



GROSS LENGTH = 14,463.20 FT. = 2.739 MILE
NET LENGTH = 1,859.00 FT. = 0.352 MILE

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PLOT DATE = 12/10/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAPS	
LOCATIONS 1 & 2	
SCALE: N/A	SHEET 1 OF 2 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D5 CM2019-6		23	4
*DEWITT & MCLEAN			CONTRACT NO. 70D48	
ILLINOIS		FED. AID PROJECT		

LOCATION MAP #3

DEWITT COUNTY

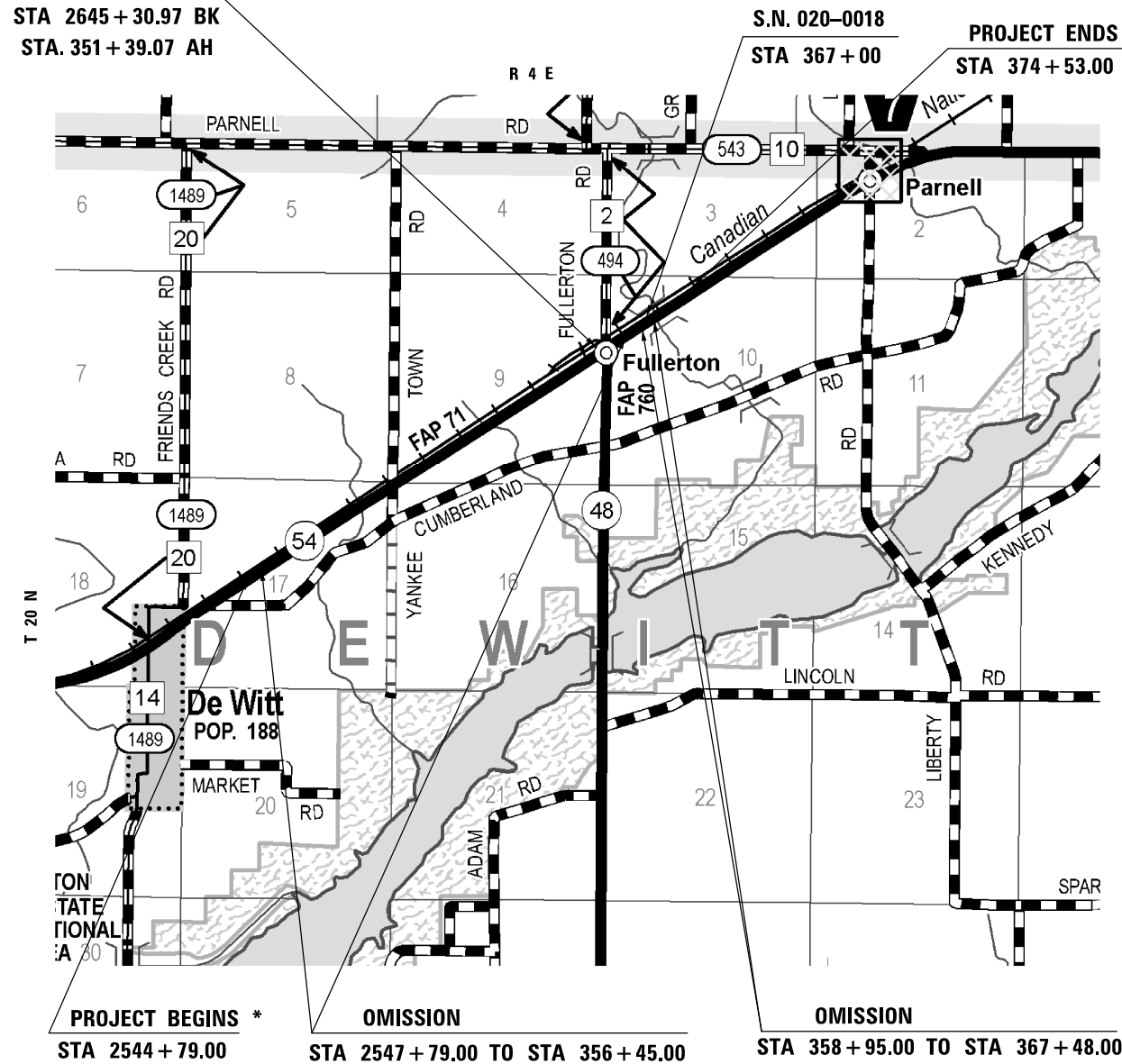
FAP 71 (ILL 54) EAST OF DEWITT

CURRENT TRAFFIC DATA

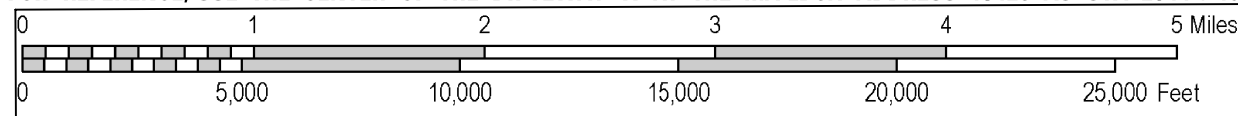
LOCATION	ADT 2018	PU %	SU %	MU %
FAP 71 (ILL 54) W. OF ILL 48	1,800	87.2	6.1	6.7
FAP 71 (ILL 54) E. OF ILL 48	2,050	79.2	9.8	11.0
FUNCTIONAL CLASS. = MINOR ARTERIAL (RURAL)				

STATION EQUATION

STA 2645 + 30.97 BK
STA 351 + 39.07 AH



* FOR REFERENCE, USE THE CENTER OF THE DRIVEWAY WITH THE MAILBOX ADDRESS 19420 AS STA. 2544 + 46.00



GROSS LENGTH = 12,365.90 FT. = 2.342 MILE
NET LENGTH = 1,255.00 FT. = 0.238 MILE



LOCATION MAP #4

DEWITT COUNTY

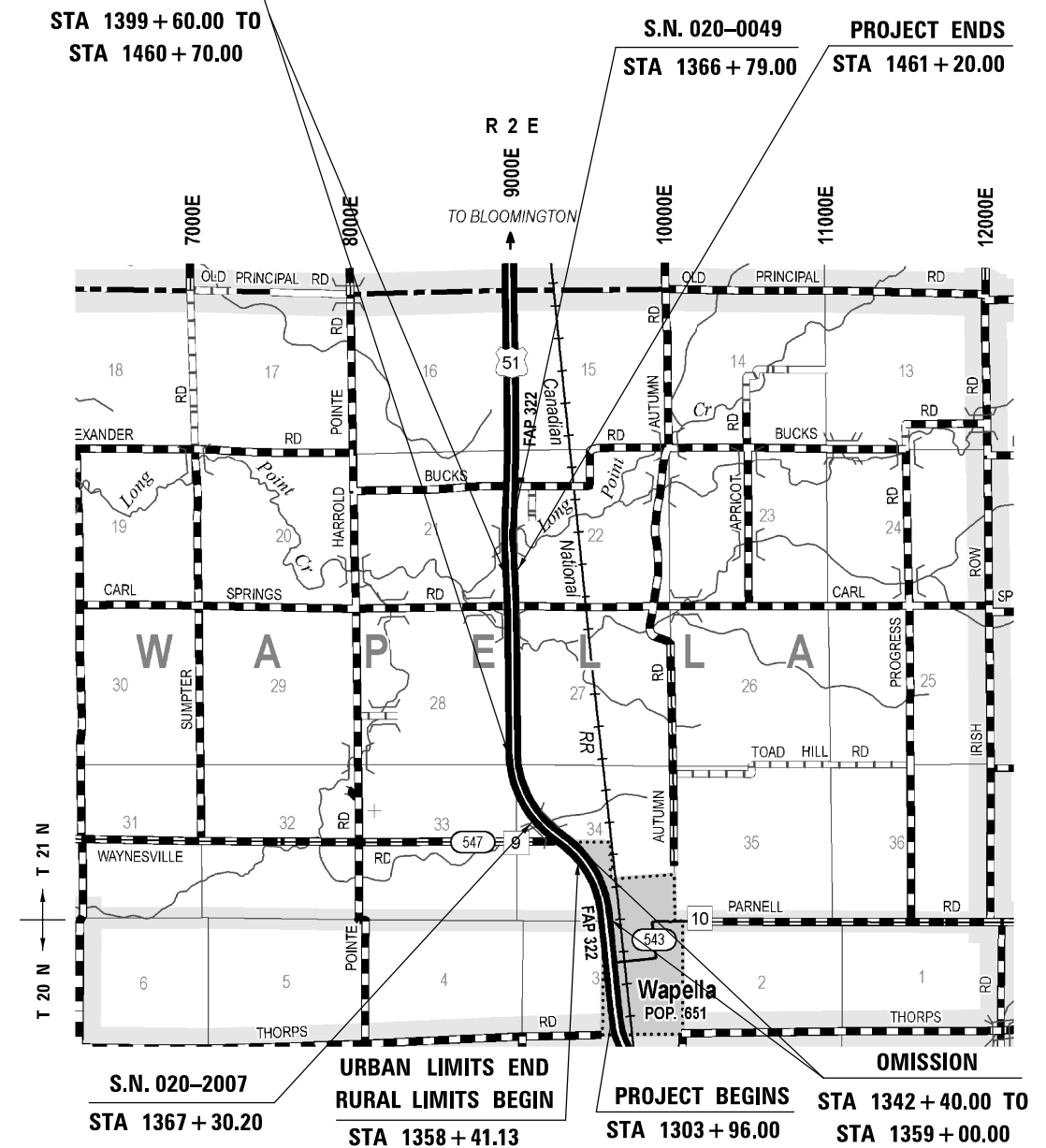
FAP 322 (U.S. 51) NORTH OF WAPELLA

CURRENT TRAFFIC DATA

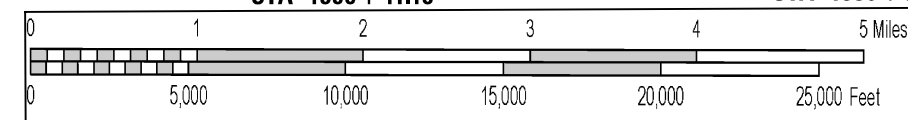
LOCATION	ADT 2018	PU %	SU %	MU %
FAP 322 (U.S. 51)	11,000	83.2	5.9	10.9
FUNCTIONAL CLASS. = FREEWAY & EXPRESSWAY (URBAN & RURAL)				

OMISSION

STA 1399 + 60.00 TO
STA 1460 + 70.00



S.N. 020-2007
STA 1367 + 30.20
URBAN LIMITS END
RURAL LIMITS BEGIN
STA 1358 + 41.13
PROJECT BEGINS
STA 1303 + 96.00
STA 1342 + 40.00 TO
STA 1359 + 00.00



GROSS LENGTH = 15,724.00 FT. = 2.978 MILE
NET LENGTH = 7954.00 FT. = 1.506 MILE



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAPS			
LOCATIONS 3 & 4			
SCALE:	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM2019-6		23	5
*DEWITT & MCLEAN		CONTRACT NO. 70D48		
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

LOCATION OF WORK:	F.A.P. 730 (U.S. 51B)	F.A.P. 721 (ILL 10)	F.A.P. 71 (ILL 54)	F.A.P. 322 (U.S. 51)	F.A.P. 322 (U.S. 51)
	URBAN MULTILANE	RURAL SINGLE LANE	RURAL SINGLE LANE	URBAN MULTILANE	RURAL MULTILANE
	OTHER PRINCIPAL ARTERIAL	MINOR ARTERIAL	MINOR ARTERIAL	FREEWAY & EXPRESS WAY	FREEWAY & EXPRESS WAY
	STA. 267+54.00 TO STA 271+04.00	STA. 238+00.00 TO STA. 366+30.00	STA., 2544+79.00 TO STA. 374+53.00	STA. 1303+96.00 TO STA. 1358+41.13	STA. 1358+41.13 TO STA. 1461+20.00
	MCLEAN COUNTY	DEWITT COUNTY	DEWITT COUNTY	DEWITT COUNTY	DEWITT COUNTY
FUNDING BREAKOUT:	100% STATE	100% STATE	100% STATE	100% STATE	100% STATE
CONSTRUCTION TYPE CODE:	0005	0005	0005	0005	0005

CODE NO.	ITEM	UNIT	TOTAL QUANTITIES	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8,263.0	321.0	1,325.0	835.0	2,691.0	3,091.0
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	404.0	0.0	248.0	156.0	0.0	0.0
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	971.0	0.0	0.0	0.0	467.0	504.0
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	60.0	60.0	0.0	0.0	0.0	0.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	18,287.0	640.0	2,944.0	1,854.0	5,980.0	6,869.0
48203100	HOT-MIX ASPHALT SHOULDERS	TON	110.0	0.0	0.0	0.0	36.0	74.0
67100100	MOBILZATION	L SUM	1.0	0.2	0.2	0.2	0.2	0.2
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	3.0	3.0	0.0	0.0	0.0	0.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	201.0	10.0	25.0	17.0	97.0	52.0
* 88600100	DETECTOR LOOP, TYPE 1	FOOT	94.0	94.0	0.0	0.0	0.0	0.0
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0	0.2	0.2	0.2	0.2	0.2
Z0010910	COLD MILLING (SPECIAL)	SQ YD	72.0	72.0	0.0	0.0	0.0	0.0
Z0012800	CONCRETE PAVEMENT SCARIFICATION	SQ YD	134.0	0.0	0.0	0.0	0.0	134.0

* SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

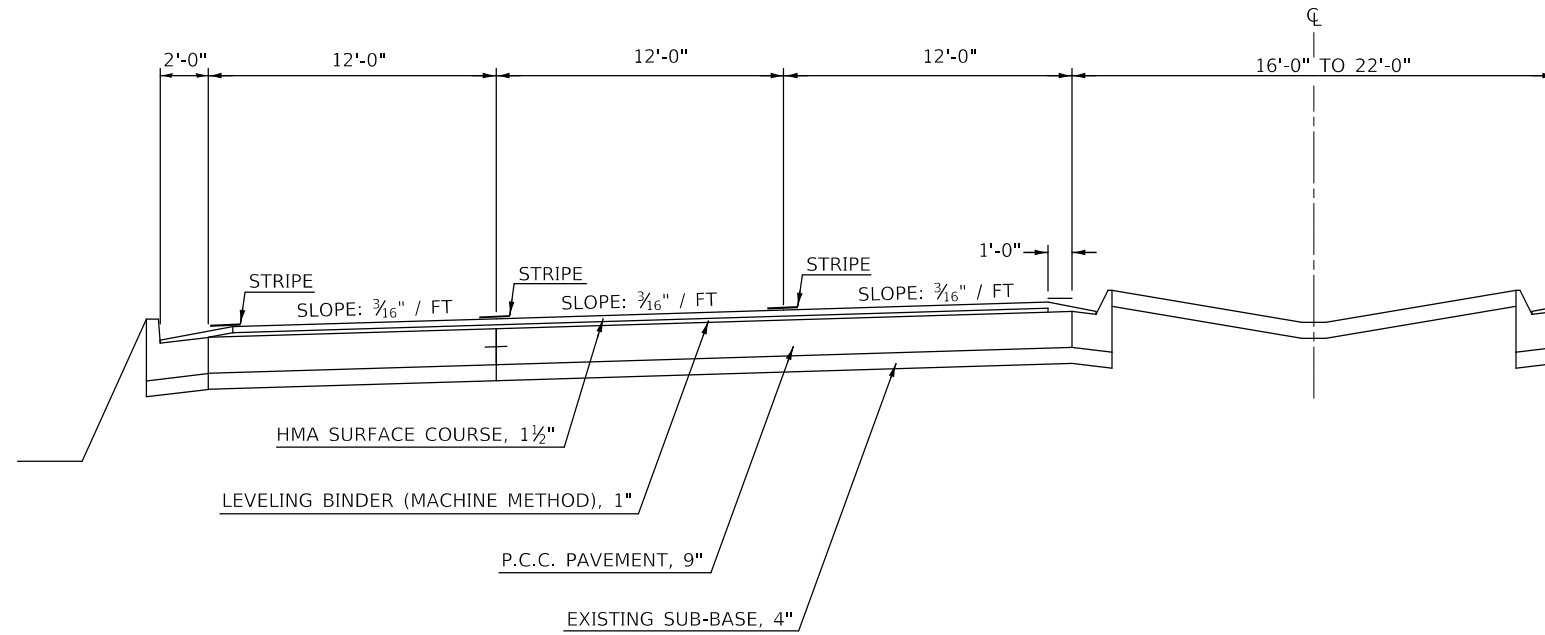
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM2019-6	-	23	6
*DEWITT & MCLEAN			CONTRACT NO. 70D48	
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL SECTION ①

FAP 730 (U.S. 51B) N.B. RIGHT TURN LANE

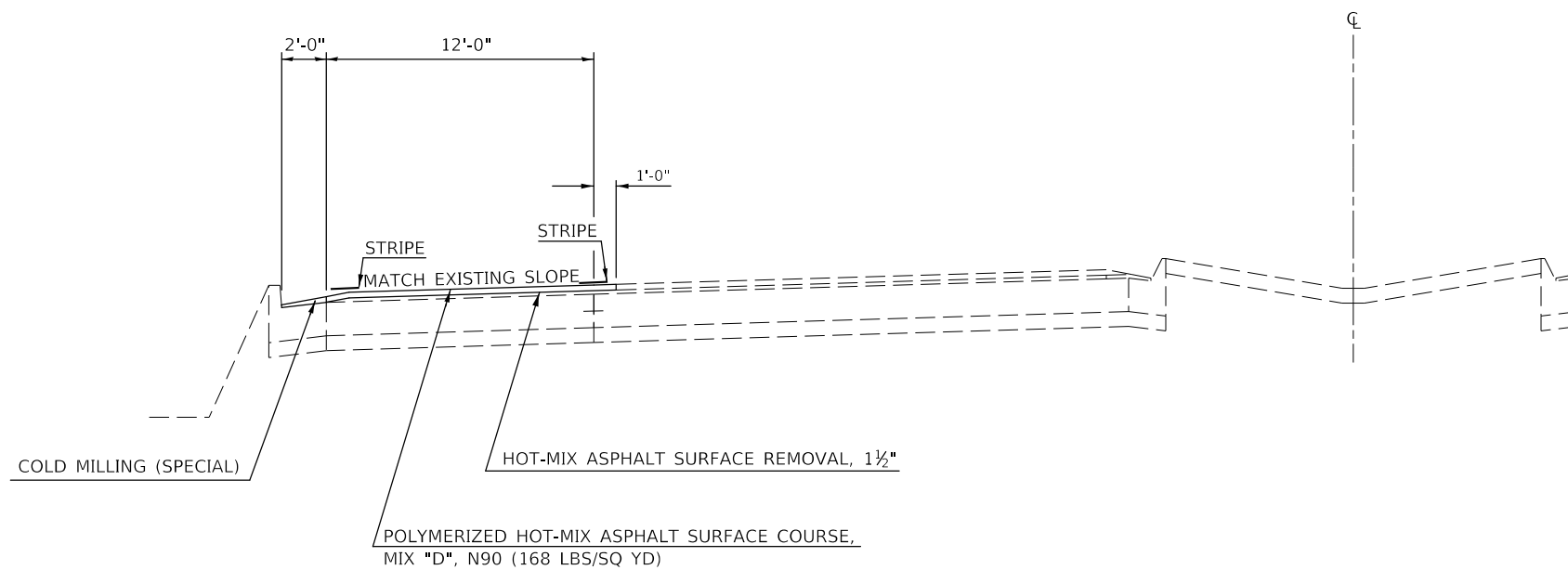
STATION	TO	STATION
267+54.00		271+04.00



PROPOSED TYPICAL SECTION ①

FAP 730 (U.S. 51B) N.B. RIGHT TURN LANE

STATION	TO	STATION
267+54.00		271+04.00



THE STATIONING AT THIS LOCATION OF U.S. 51B RUNS FROM NORTH TO SOUTH.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

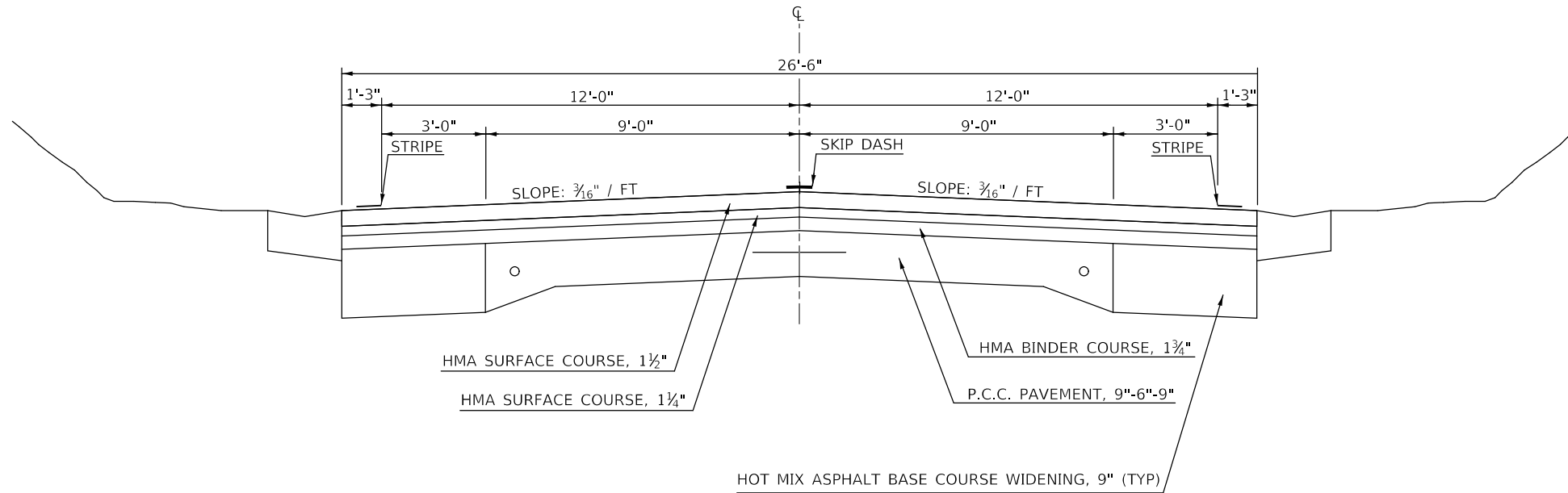
**EXISTING & PROPOSED
TYPICAL SECTIONS**

SCALE: NONE SHEET 1 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM2019-6	*	23	7
*DEWITT & MCLEAN		CONTRACT NO. 70D48		
ILLINOIS		FED. AID PROJECT		

EXISTING TYPICAL SECTION ②

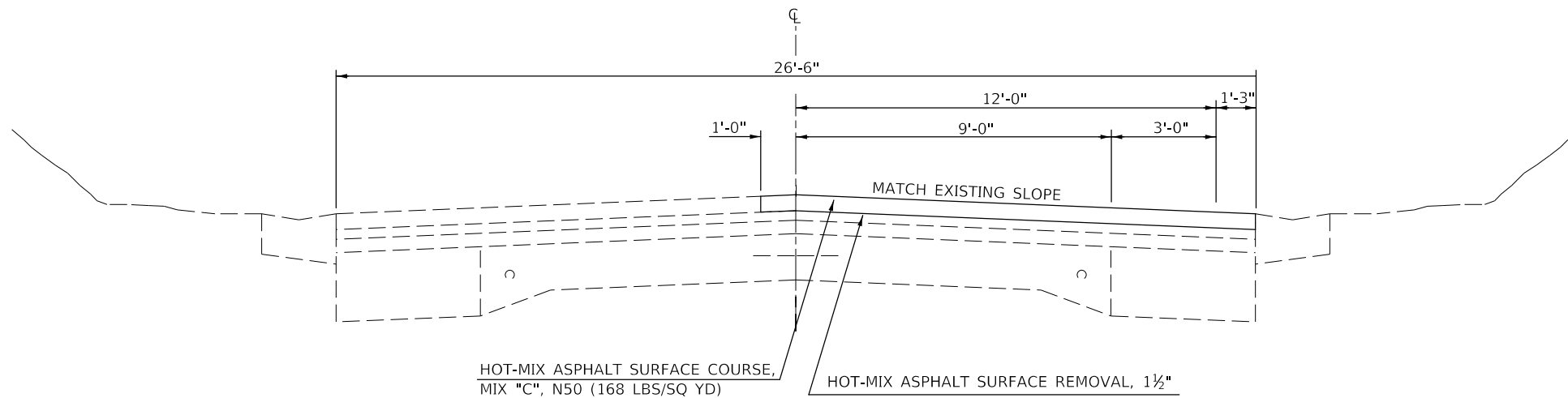
FAP 721 (RTE. 10) EAST OF CLINTON
STATION TO STATION
 238+00.00 239+84.00 ③



PROPOSED TYPICAL SECTION ②

FAP 721 (RTE. 10) EAST OF CLINTON
STATION TO STATION
 238+00.00 239+84.00 ③

OMISSION STA. 242+94.00 TO STA. 253+45.00
 OMISSION STA. 263+50.00 TO STA. 362+70.00
 STATION EQUATION 302+35.00(BK) = 286.01+80(AH)



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EXISTING & PROPOSED
 TYPICAL SECTIONS**

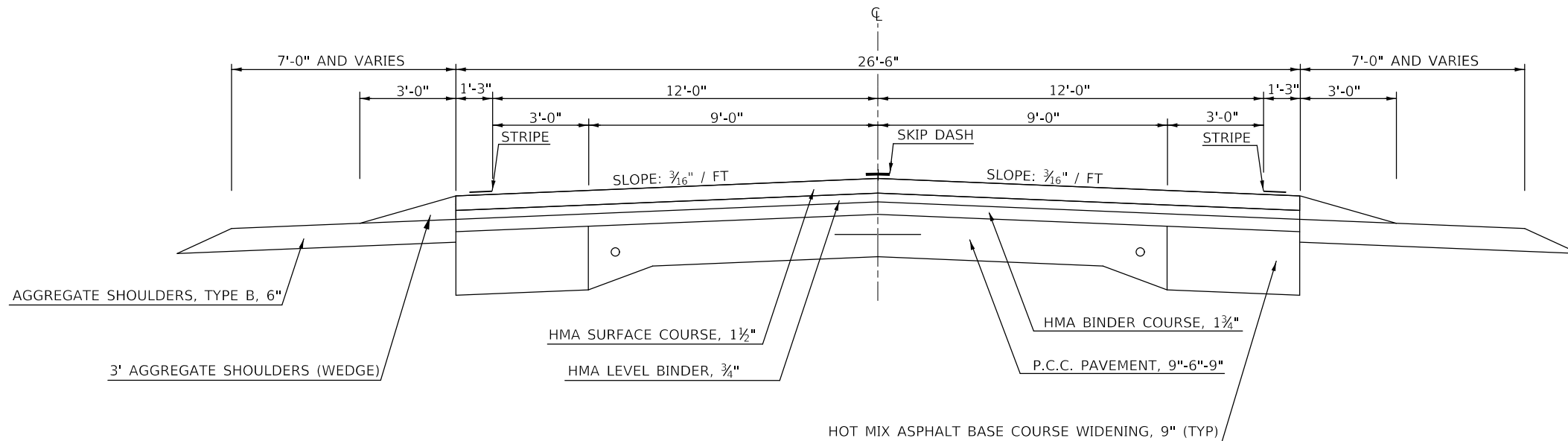
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM2019-6	-	23	8
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ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL SECTION ③

FAP 721 (RTE. 10) EAST OF CLINTON

STATION TO STATION
 ② 239+84.00 TO 242+94.00 ④

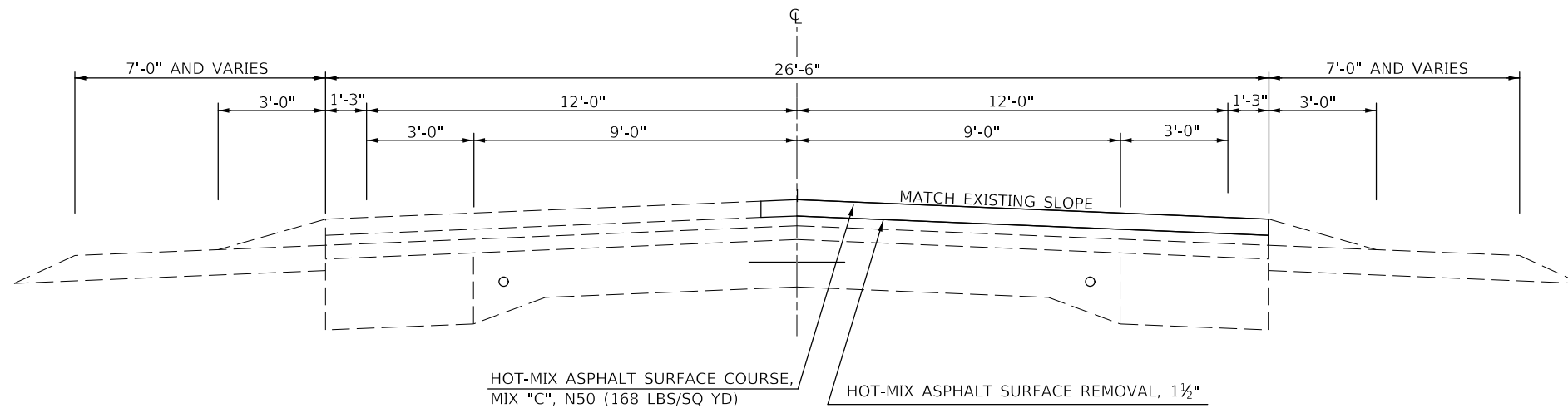


PROPOSED TYPICAL SECTION ③

FAP 721 (RTE. 10) EAST OF CLINTON

STATION TO STATION
 ② 239+84.00 TO 242+94.00 ④

OMISSION STA. 242+94.00 TO STA. 253+45.00
 OMISSION STA. 263+50.00 TO STA. 362+70.00
 STATION EQUATION 302+35.00(BK) = 286.01+80(AH)



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 OFFICE: \\OFFICE
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 CHECKED: \\CHECKED
 DATE: \\DATE

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED
 TYPICAL SECTIONS

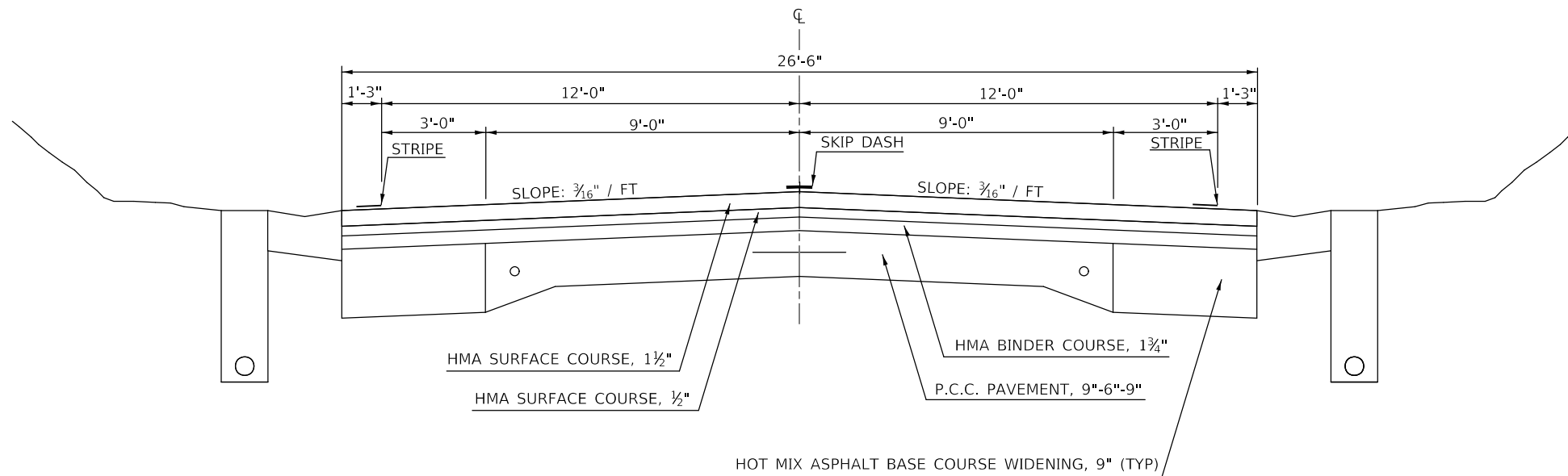
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VAR.	D5 CM2019-6	-	23	9
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ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL SECTION ④

FAP 721 (RTE. 10) EAST OF CLINTON

STATION	TO	STATION
③ 253+45.00		⑤ 262+81.13
⑥ 362+70.00		366+30.00

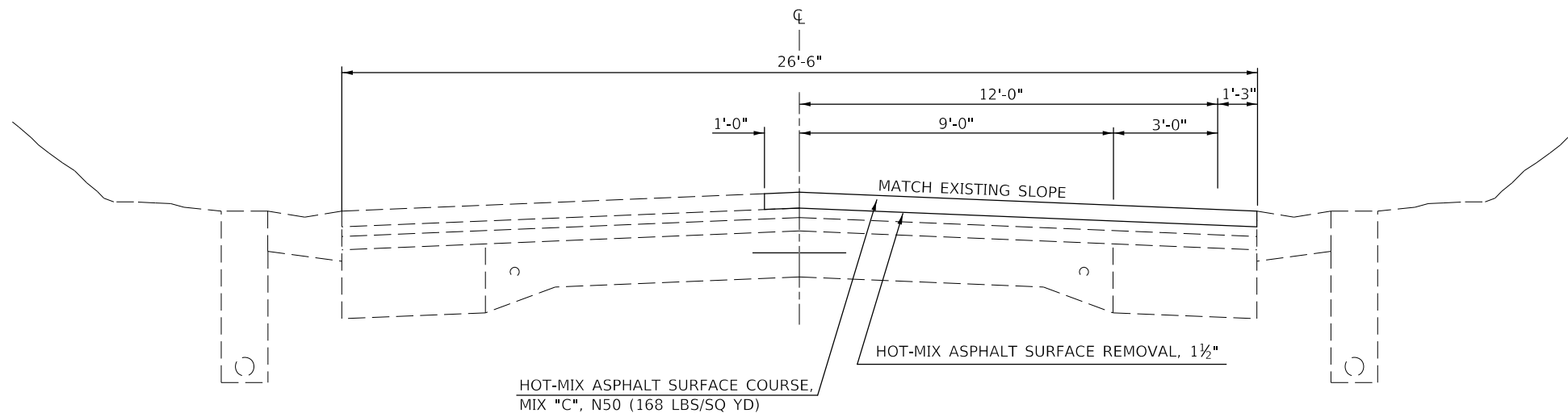


PROPOSED TYPICAL SECTION ④

FAP 721 (RTE. 10) EAST OF CLINTON

STATION	TO	STATION
③ 253+45.00		⑤ 262+81.13
⑥ 362+70.00		366+30.00

OMISSION STA. 242+94.00 TO STA. 253+45.00
 OMISSION STA. 263+50.00 TO STA. 362+70.00
 STATION EQUATION 302+35.00(BK) = 286.01+80(AH)



MODEL: \\MODELNAME
FILE: \\NAME.PLOT DATE: 12/10/2018

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	DRAWN -	REVISED -
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PLOT DATE = 12/10/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED
TYPICAL SECTIONS

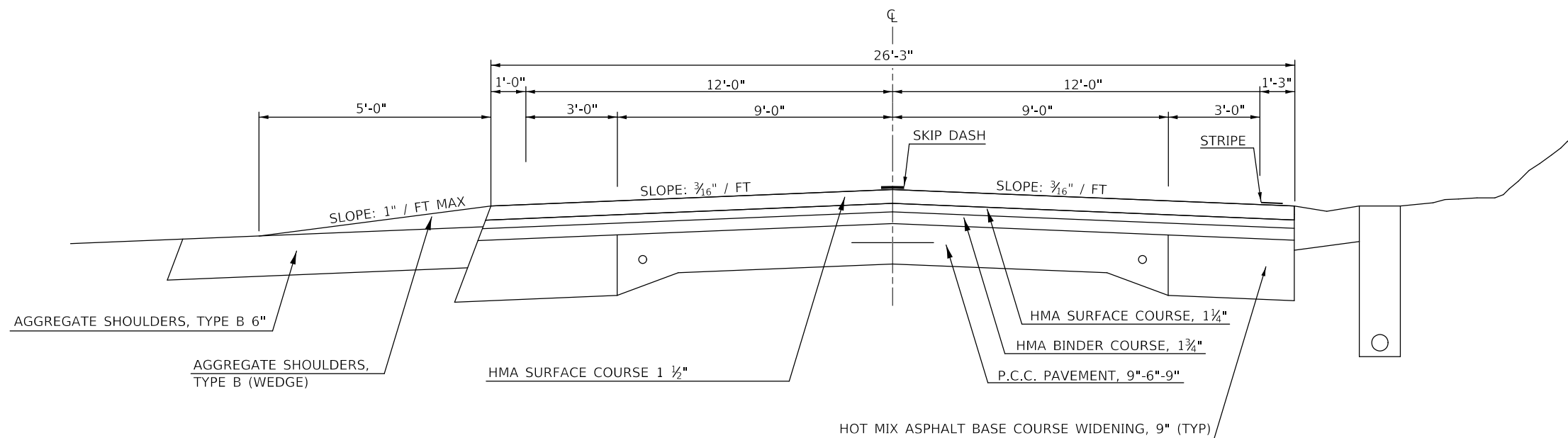
SCALE: NONE SHEET 4 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D5 CM2019-6		23	10
*DEWITT & MCLEAN			CONTRACT NO. 70D48	
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL SECTION ⑤

FAP 721 (RTE. 10) EAST OF CLINTON

STATION TO STATION
 ④ 262+81.13 TO 263+47.14 ⑥

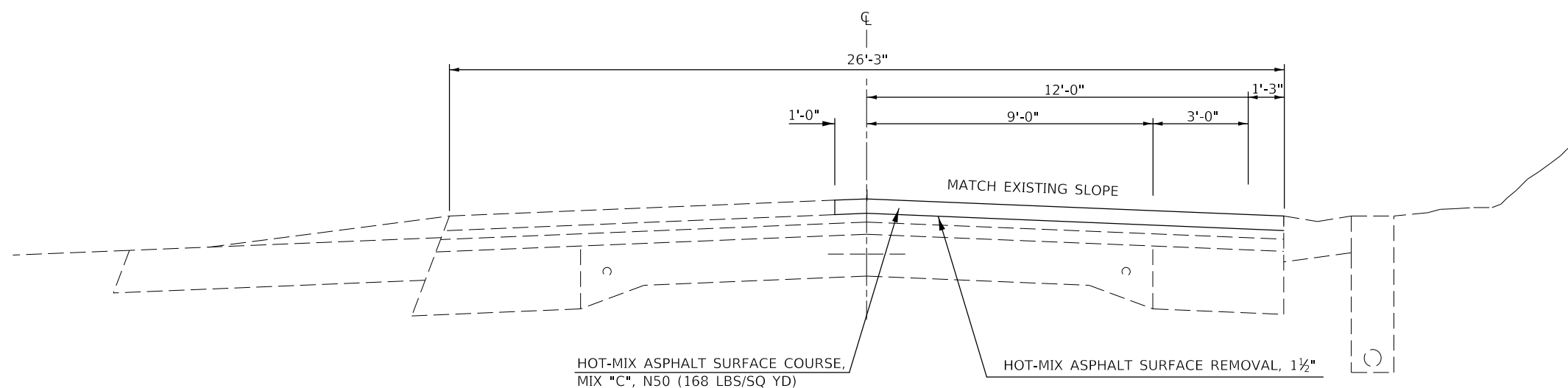


PROPOSED TYPICAL SECTION ⑤

FAP 721 (RTE. 10) EAST OF CLINTON

STATION TO STATION
 ④ 262+81.13 TO 263+47.14 ⑥

OMISSION STA. 242+94.00 TO STA. 253+45.00
 OMISSION STA. 263+50.00 TO STA. 362+70.00
 STATION EQUATION 302+35.00(BK) = 286.01+80(AH)



MODEL: \\MODELNAME
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 CADD: \\CADDNAME
 SHEET: \\SHEETNAME

USER NAME = helanderjc	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 12/10/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED
 TYPICAL SECTIONS

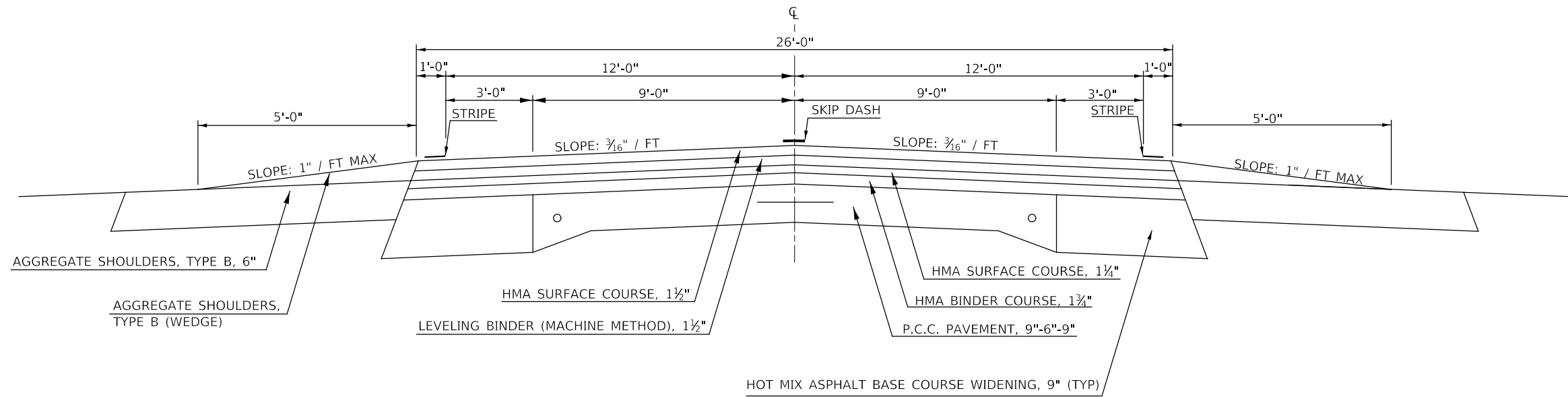
SCALE: NONE SHEET 5 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM2019-6	-	23	11
*DEWITT & MCLEAN			CONTRACT NO. 70D48	
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL SECTION ⑥

FAP 721 (RTE. 10) EAST OF CLINTON

STATION TO STATION
 ⑤ 263+47.14 263+50.00 ④

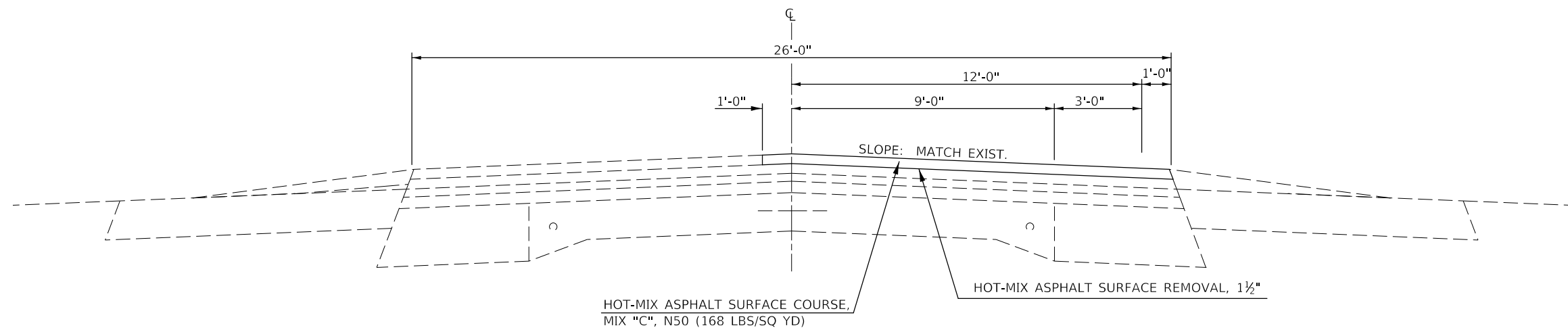


PROPOSED TYPICAL SECTION ⑥

FAP 721 (RTE. 10) EAST OF CLINTON

STATION TO STATION
 ⑤ 263+47.14 263+50.00 ④

OMISSION STA. 242+94.00 TO STA. 253+45.00
 OMISSION STA. 263+50.00 TO STA. 362+70.00
 STATION EQUATION 302+35.00(BK) = 286.01+80(AH)



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

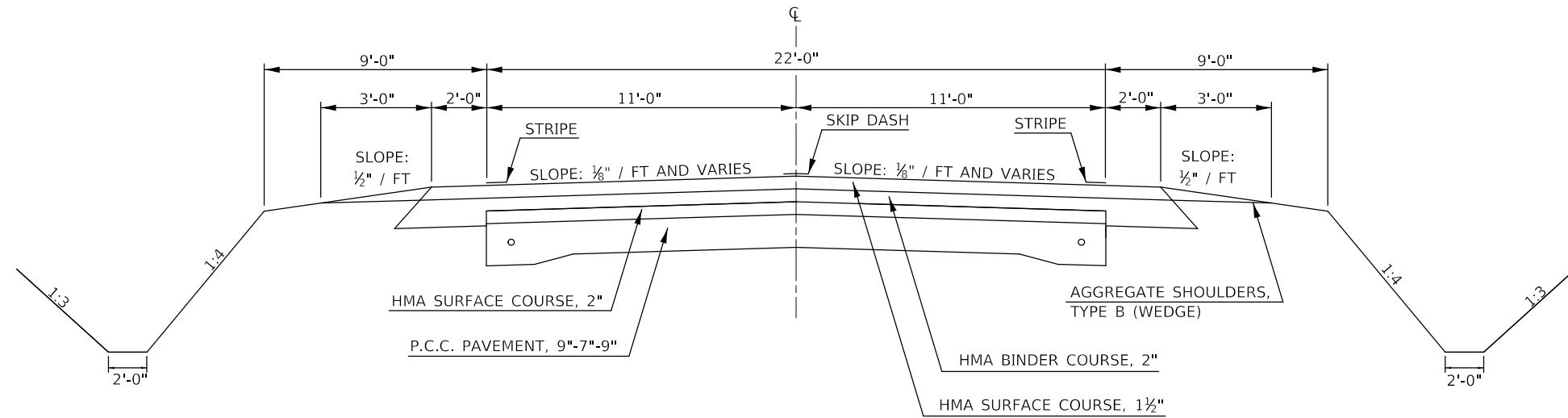
EXISTING & PROPOSED
 TYPICAL SECTIONS

SCALE: NONE SHEET 6 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D5 CM2019-6		23	12
*DEWITT & MCLEAN			CONTRACT NO. 70D48	
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL SECTION ⑦

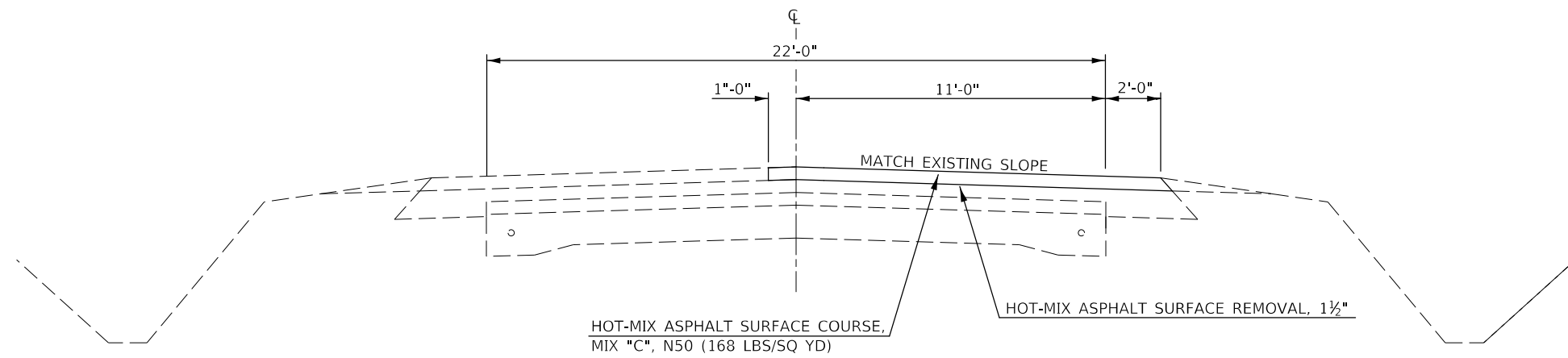
FAP 71 (RTE. 54) EAST OF DEWITT
STATION TO STATION
 2544+79.00 2547+79.00 ⑧



PROPOSED TYPICAL SECTION ⑦

FAP 71 (RTE. 54) EAST OF DEWITT
STATION TO STATION
 2544+79.00 2547+79.00 ⑧

OMISSION STA. 2547+79.00 TO STA. 356+45.00
 STATION EQUATION 2645+30.97(BK) = 351+35.07(AH)
 OMISSION STA. 358+95.00 TO 367+48.00



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	DRAWN -	REVISED -
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PLOT DATE = 12/10/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

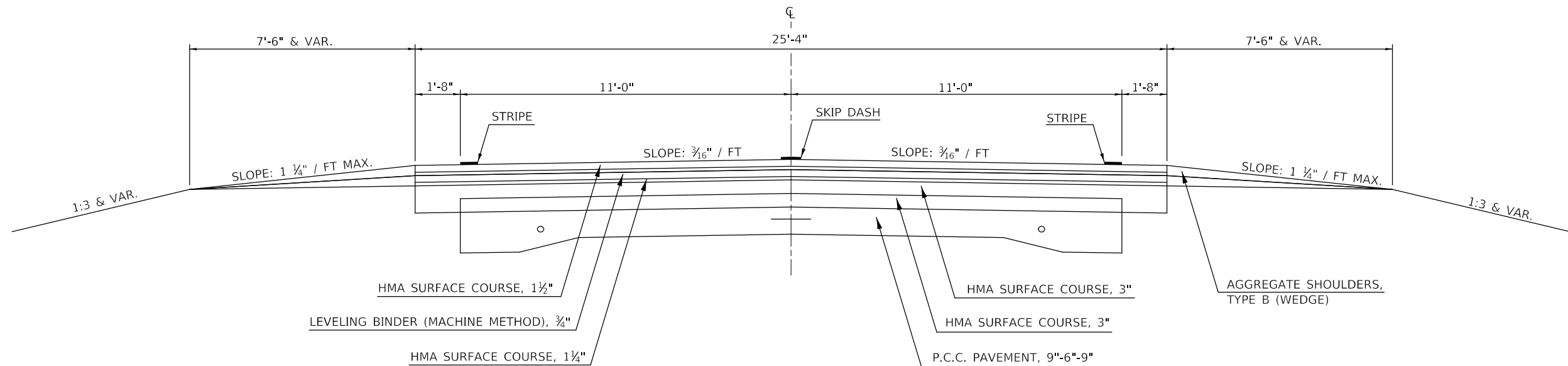
EXISTING & PROPOSED TYPICAL SECTIONS			
SCALE: NONE	SHEET 7	OF 14 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM2019-6	*	23	13
*DEWITT & MCLEAN		CONTRACT NO. 70D48		
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL SECTION 8

FAP 71 (RTE. 54) EAST OF DEWITT

STATION	TO	STATION
356+45.00		358+95.00
370+89.47		374+53.00 .45

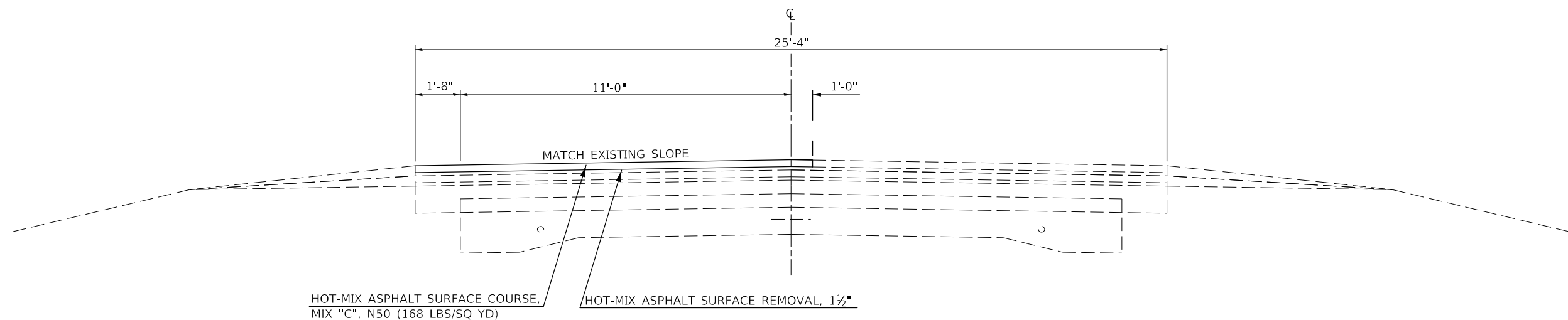


PROPOSED TYPICAL SECTION 8

FAP 71 (RTE. 54) EAST OF DEWITT

STATION	TO	STATION
356+45.00		358+95.00
370+89.47		374+53.00

OMISSION STA. 2547+79.00 TO STA. 356+45.00
 STATION EQUATION 2645+30.97(BK) = 351+35.07(AH)
 OMISSION STA. 358+95.00 TO 367+48.00



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	DRAWN -	REVISED -
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PLOT DATE = 12/10/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED
TYPICAL SECTIONS

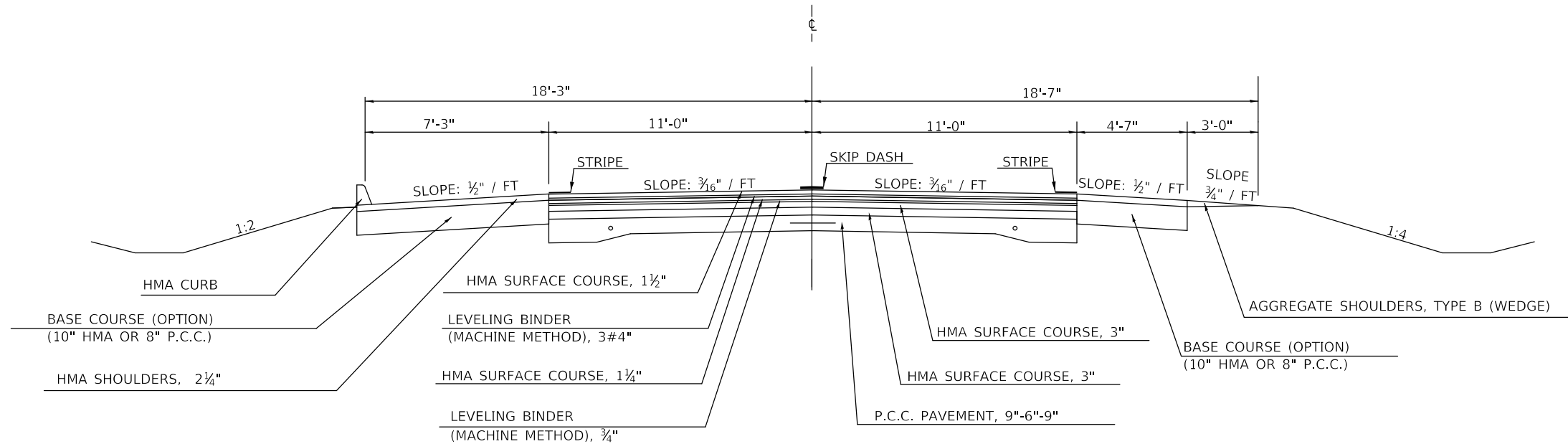
SCALE: NONE SHEET 8 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM2019-6	*	23	14
*DEWITT & MCLEAN			CONTRACT NO. 70D48	
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL SECTION 9

FAP 71 (RTE. 54) EAST OF DEWITT

STATION TO STATION
 ⑧ 367+48.00 370+89.47 ⑧

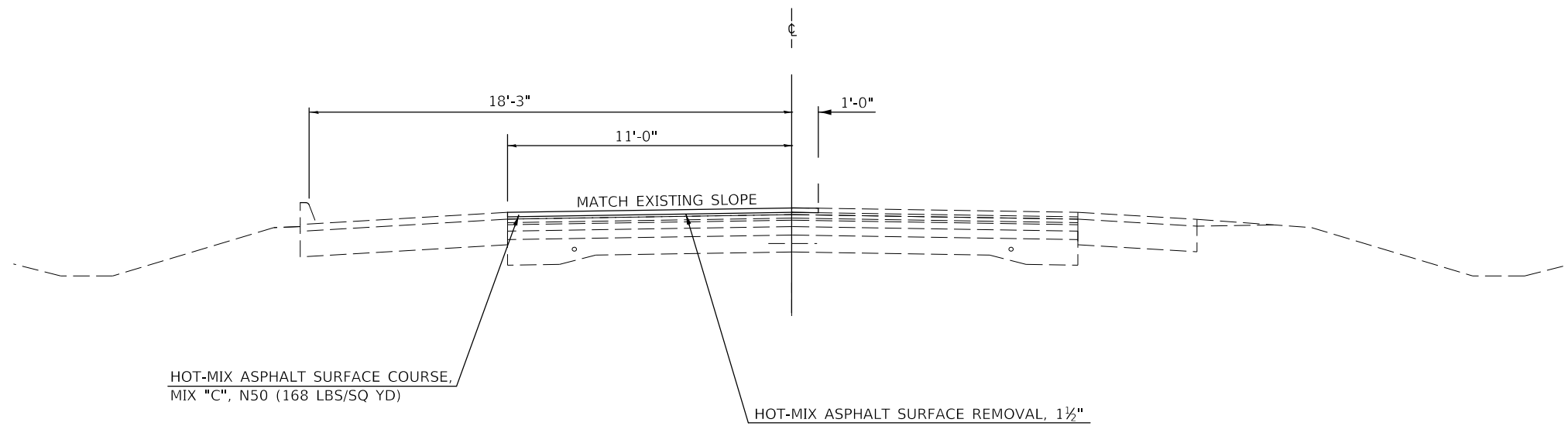


PROPOSED TYPICAL SECTION 9

FAP 71 (RTE. 54) EAST OF DEWITT

STATION TO STATION
 ⑧ 367+48.00 370+89.47 ⑧

OMISSION STA. 2547+79.00 TO STA. 356+45.00
 STATION EQUATION 2645+30.97(BK) = 351+35.07(AH)
 OMISSION STA. 358+95.00 TO 367+48.00



MODEL: \\MODELNAME
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 PROJECT: \\PROJECT
 OFFICE: \\OFFICE
 DRAWN: \\DRAWN
 CHECKED: \\CHECKED
 DATE: \\DATE

USER NAME = helanderjc	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/10/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

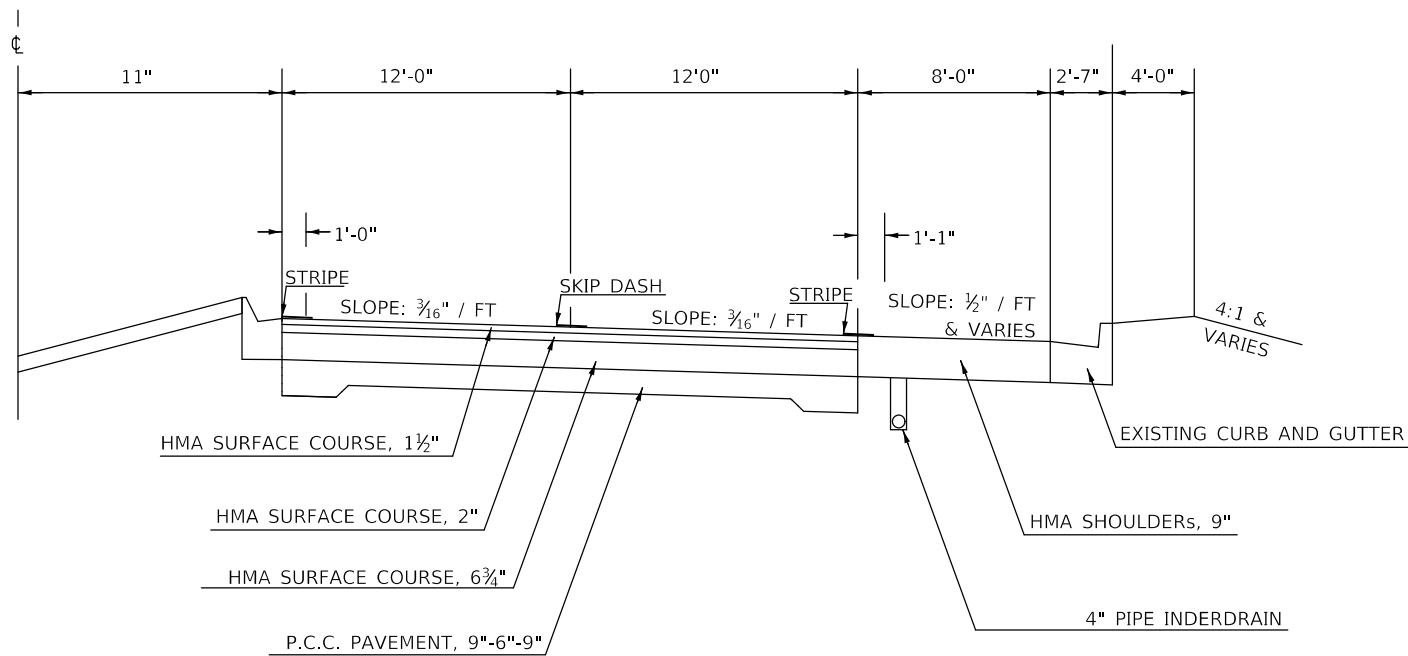
EXISTING & PROPOSED TYPICAL SECTIONS	
SCALE: NONE	SHEET 9 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM2019-6	-	23	15
*DEWITT & MCLEAN			CONTRACT NO. 70D48	
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL SECTION (10)

FAP 322 (U.S. 51) WAPELLA

STATION TO STATION
1303+96.00 1330+42.54 (1)

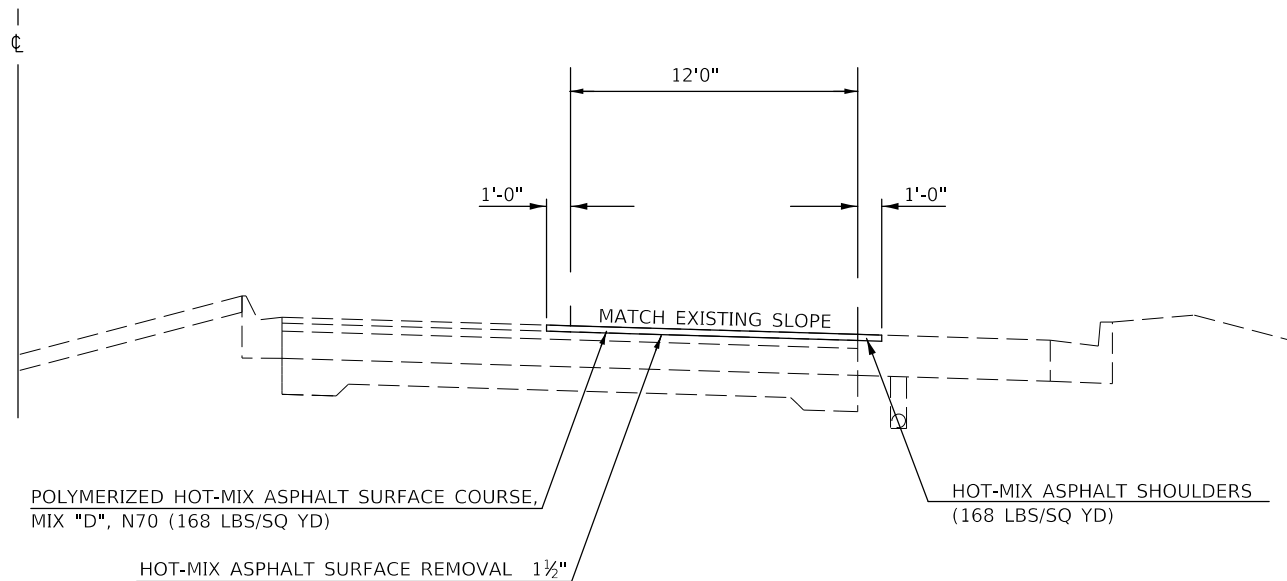


PROPOSED TYPICAL SECTION (10)

FAP 322 (U.S. 51) WAPELLA

STATION TO STATION
1303+96.00 1330+42.54 (1)

URBAN / RURAL LIMITS STA. 1358+41.13



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USER NAME = helanderjc	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/10/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED
TYPICAL SECTIONS

SCALE: NONE SHEET 10 OF 14 SHEETS STA. TO STA.

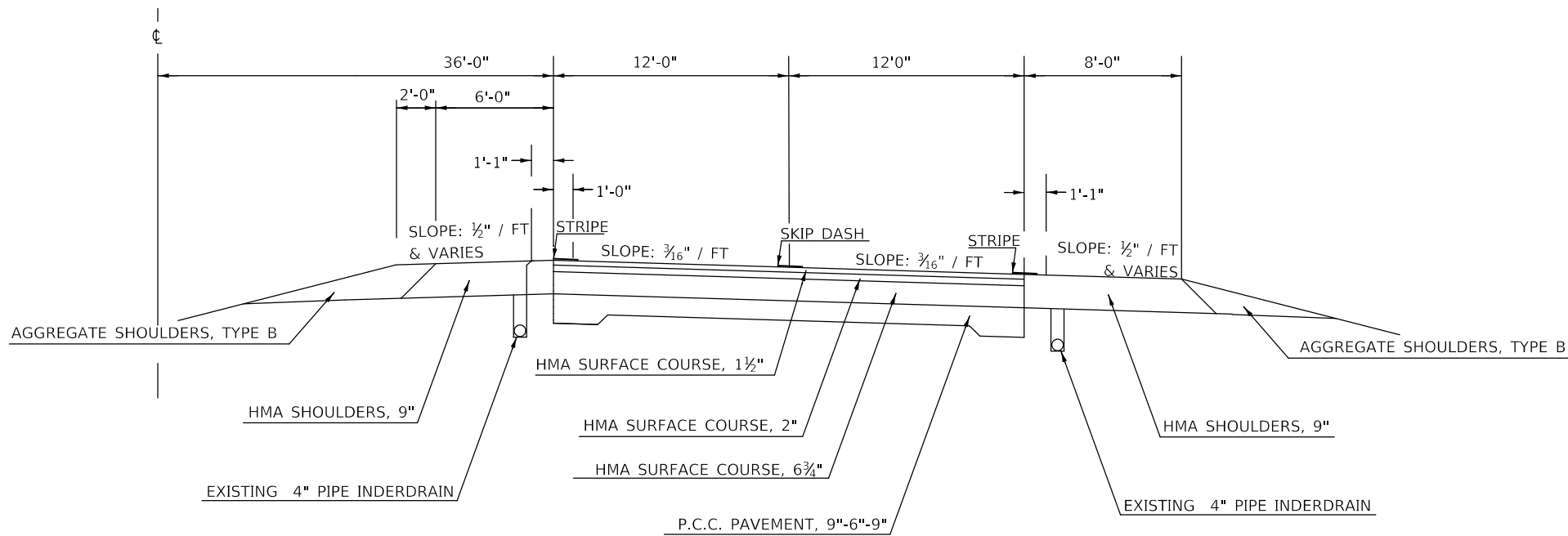
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM2019-6	*	23	16
*DEWITT & MCLEAN		CONTRACT NO. 70D48		
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL SECTION

11

FAP 322 (U.S. 51) WAPELLA

STATION	TO	STATION
10 1330+42.54		12 1333+80.00
12 1359+00.00		13 1364+00.00



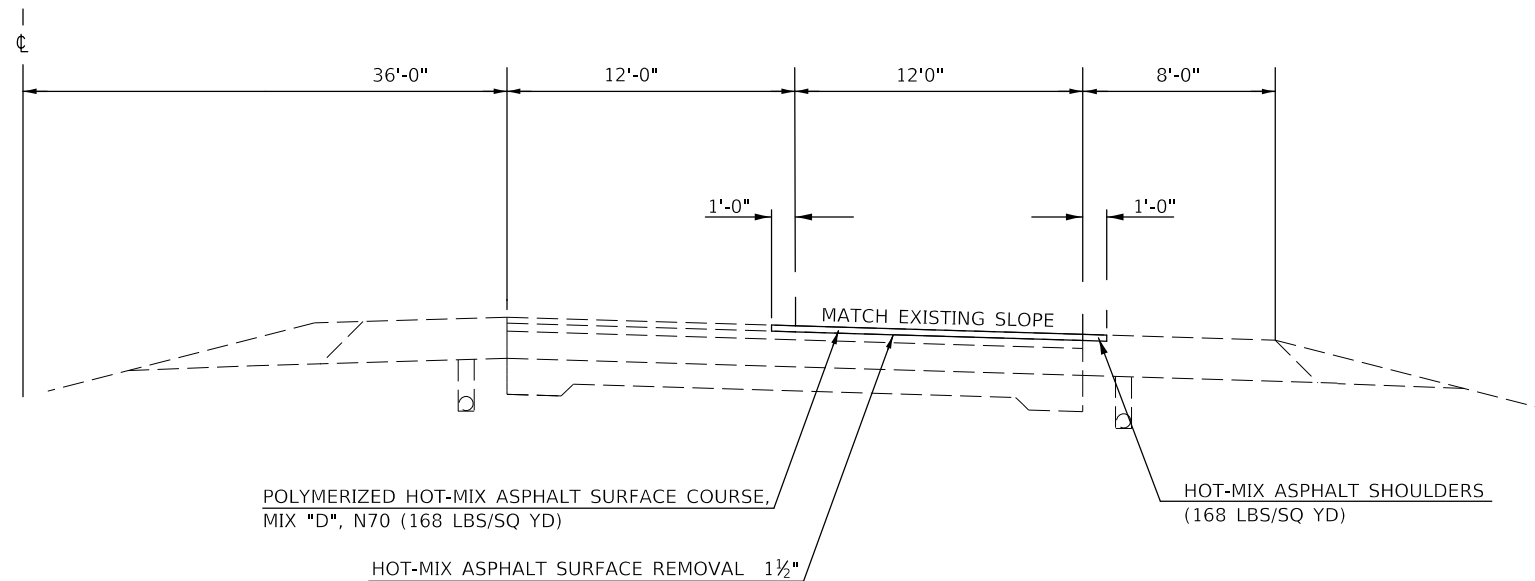
PROPOSED TYPICAL SECTION

11

FAP 322 (U.S. 51) WAPELLA

STATION	TO	STATION
10 1330+42.54		12 1333+80.00
12 1359+00.00		13 1364+30.00

OMISSION STA. 1342+40.00 TO STA. 1359+00.00
 OMISSION STA. 1399+60.00 TO STA. 1460+70.00
 URBAN / RURAL LIMITS STA. 1358+41.13



MODEL: \\MODELNAME
 FILE NAME: \\FILENAME
 PROJECT: \\PROJECT
 OFFICE: \\OFFICE
 DRAWN: \\DRAWN
 CHECKED: \\CHECKED
 DATE: \\DATE

USER NAME = helanderjc	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/10/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

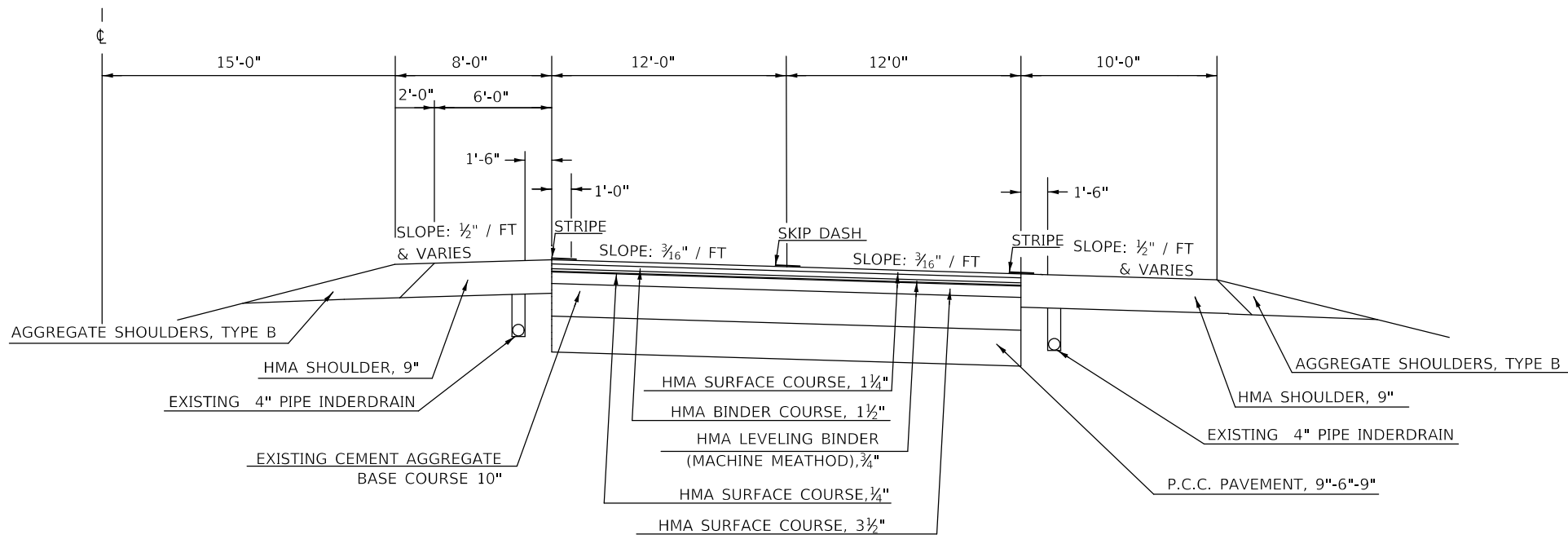
EXISTING & PROPOSED TYPICAL SECTIONS	
SCALE: NONE	SHEET 11 OF 14 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM2019-6	*	23	17
*DEWITT & MCLEAN			CONTRACT NO. 70D48	
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL SECTION (12)

FAP 322 (U.S. 51) WAPELLA

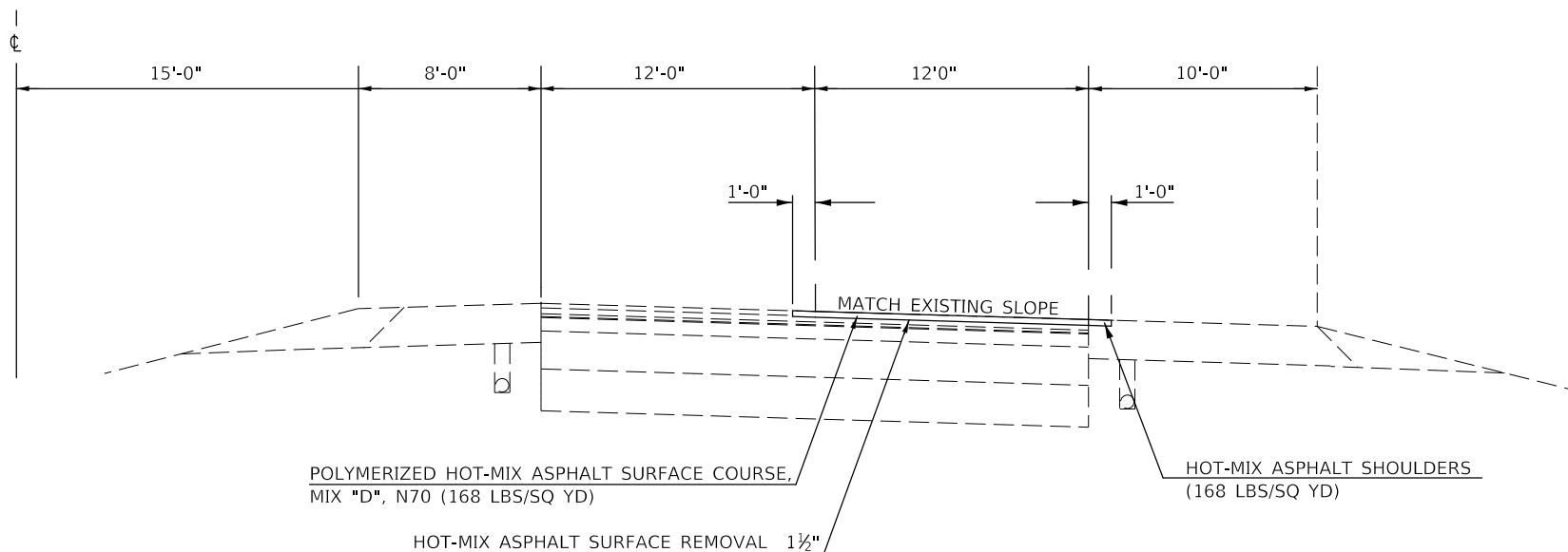
STATION TO STATION
 ⑪ 1333+80.00 1342+40.00 ⑪



PROPOSED TYPICAL SECTION (12)

FAP 322 (U.S. 51) WAPELLA

STATION TO STATION
 ⑪ 1333+80.00 1342+40.00 ⑪



OMISSION STA. 1342+40.00 TO STA. 1359+00.00
 OMISSION STA. 1399+60.00 TO STA. 1460+70.00
 URBAN / RURAL LIMITS STA. 1358+41.13

MODEL: \\MODELNAME
 FILE NAME: \\FILENAME
 PROJECT: \\PROJECT
 OFFICE: \\OFFICE
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 CHECKED: \\CHECKED
 DATE: \\DATE

USER NAME = helanderjc	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/10/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED
 TYPICAL SECTIONS

SCALE: NONE SHEET 12 OF 14 SHEETS STA. TO STA.

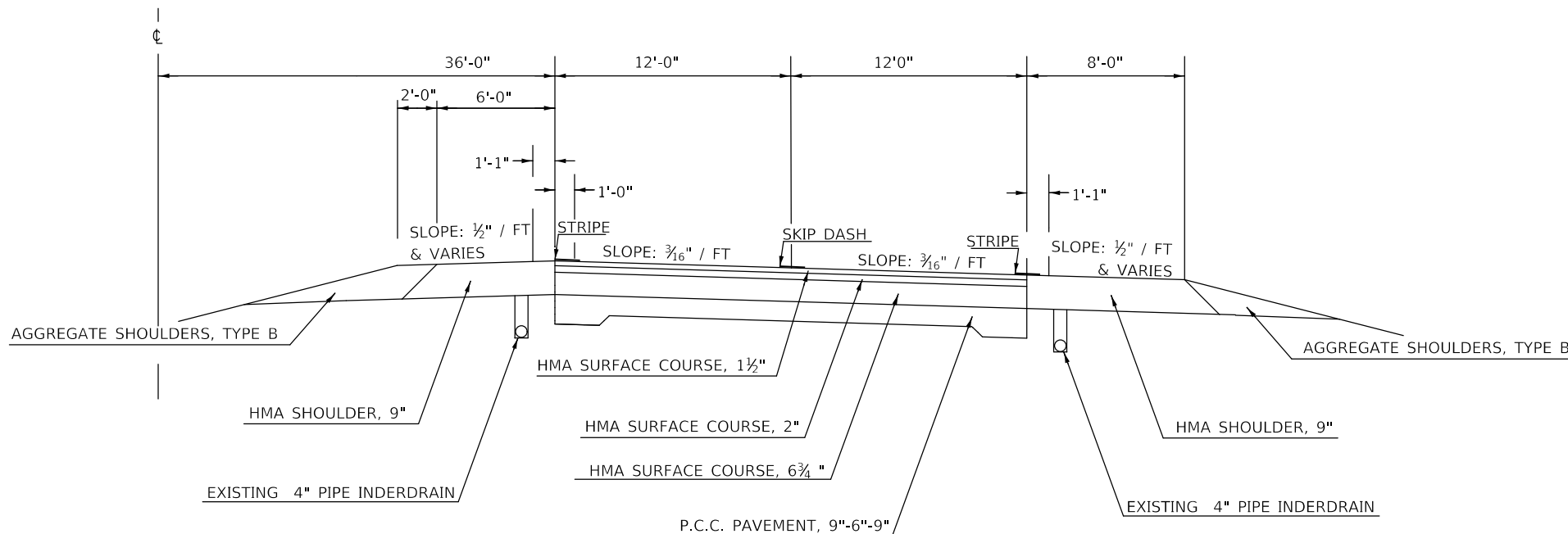
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM2019-6	*	23	18
*DEWITT & MCLEAN		CONTRACT NO. 70D48		
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL SECTION

13

FAP 322 (U.S. 51) WAPELLA

STATION TO STATION
 11 1364+30.00 1399+60.00 14

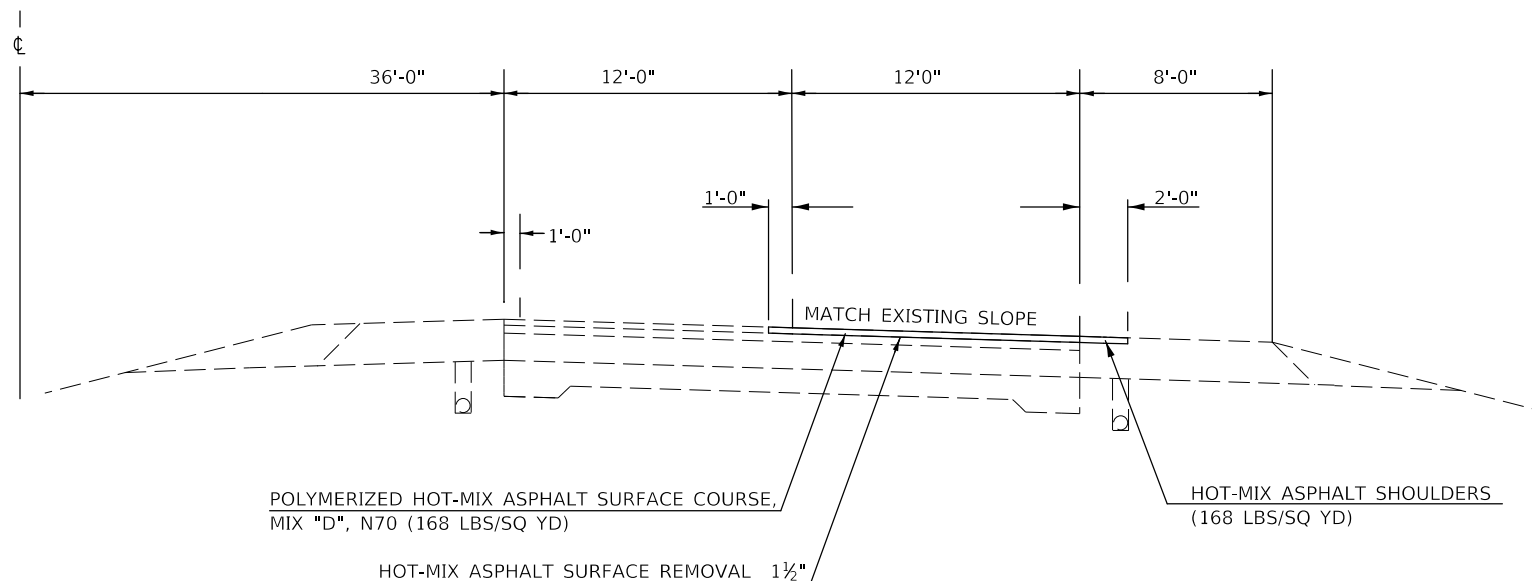


PROPOSED TYPICAL SECTION

13

FAP 322 (U.S. 51) WAPELLA

STATION TO STATION
 11 1364+30.00 1399+60.00 14



OMISSION STA. 1342+40.00 TO STA. 1359+00.00
 OMISSION STA. 1399+60.00 TO STA. 1460+70.00
 URBAN / RURAL LIMITS STA. 1358+41.13

MODEL: \\MODELNAME
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 PROJECT: \\PROJECT
 OFFICE: \\OFFICE
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 CHECKED: \\CHECKED
 DATE: \\DATE

USER NAME = helanderjc	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/10/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED
 TYPICAL SECTIONS

SCALE: NONE SHEET 13 OF 14 SHEETS STA. TO STA.

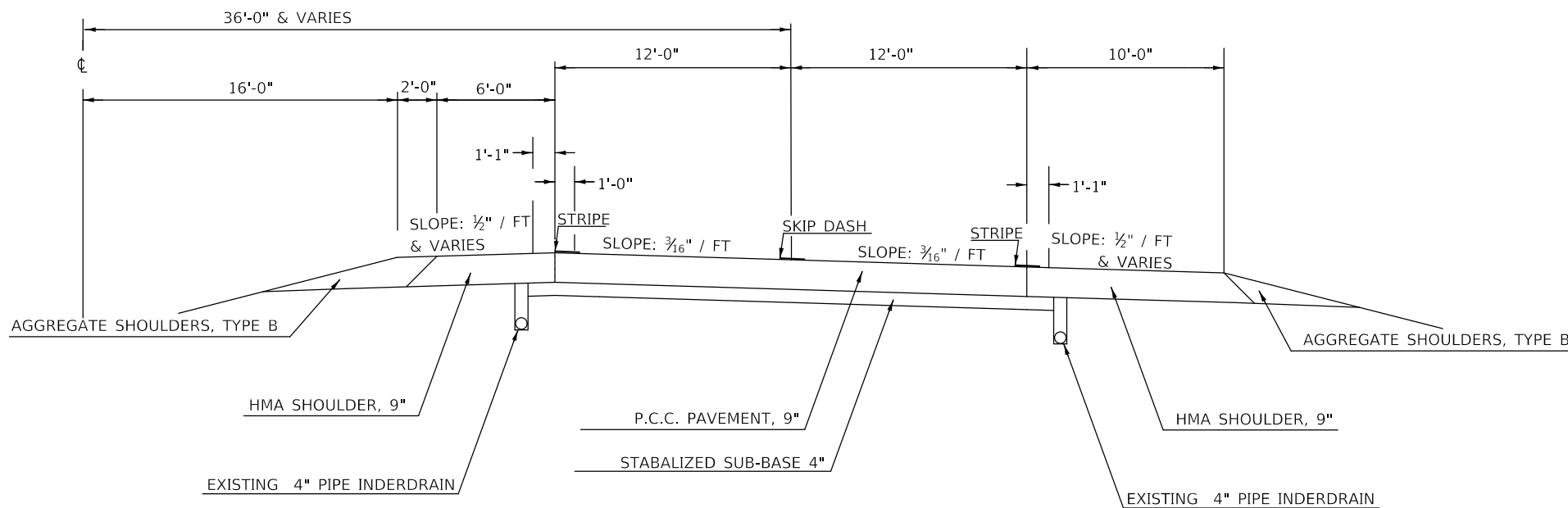
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM2019-6	-	23	19
*DEWITT & MCLEAN		CONTRACT NO. 70D48		
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL SECTION

14

FAP 322 (U.S. 51) WAPELLA

STATION TO STATION
 13 1460+70.00 1461+20.00

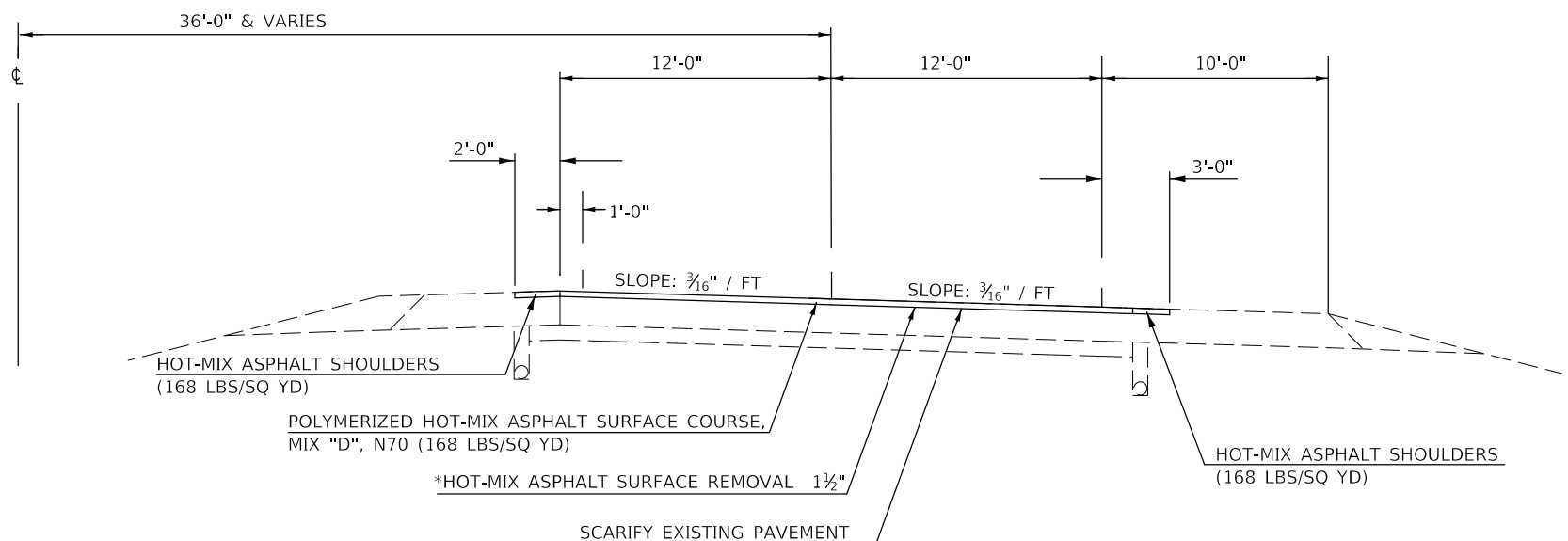


PROPOSED TYPICAL SECTION

14

FAP 322 (U.S. 51) WAPELLA

STATION TO STATION
 13 1460+70.00 1461+20.00



OMISSION STA. 1342+40.00 TO STA. 1359+00.00
 OMISSION STA. 1399+60.00 TO STA. 1460+70.00

*VARIABLE DEPTH MILLING FROM STA. 1460+70.00 TO STA. 1461+20.00 THE USE OF A STRINGLINE WILL BE REQUIRED TO ACHIEVE THE CORRECT DEPTH. 1 1/2" IS THE MAXIMUM MILL HEIGHT.

MODEL: \\MODELNAME
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 PROJECT: \\PROJECT
 DRAWING: \\DRAWING
 SHEET: \\SHEET

USER NAME = helanderjc	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/10/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED
 TYPICAL SECTIONS

SCALE: NONE SHEET 14 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM2019-6	*	23	20
*DEWITT & MCLEAN		CONTRACT NO. 70D48		
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

HOT-MIX ASPHALT

LOCATIONS	STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ FOOT)	AVG. DEPTH (INCH)	BITUMINOUS MATERIALS (TACK COAT) 40600290 (POUND)	HMA SC "C" N 50 1 1/2 INCH 40603310 (TON)	POLYMER HMA SC "D" N 70 1 1/2 INCH 40603540 (TON)	POLYMER HMA SC "D" N 90 1 1/2 INCH 40603545 (TON)	HMA SHOULDERS 1 1/2 INCH 48203100 (TON)
LOCATION #1 (URBAN)												
N.B. RIGHT TURN LANE	267+54.00	TO	271+04.00	350.00	12.00	4,200.00	1.50	210.0			39.2	
N.B.D.L.	267+54.00	TO	271+04.00	350.00	1.00	350.00	1.50	17.5			3.3	
N.B. RIGHT TURN LANE GUTTER PAN	267+80.00	TO	271+04.00	324.00	2.00	648.00	1.50	32.4			6.0	
*S.E. RAMP	10+53.22	TO	10+68.91	15.69	VAR	1,208.10	1.50	60.4			11.3	
FAP 730 (U.S. 51B) RIGHT TURN LANE SUB TOTAL =								320.3			59.8	
USE =								321.0			60.0	
LOCATION #2 (RURAL)												
E.B.	238+00.00	TO	242+94.00	494.00	12.00	5,928.00	1.50	296.4	55.3			
E.B. SHOULDER	238+00.00	TO	242+94.00	494.00	1.25	617.50	1.50	30.9	5.8			
W.B.	238+00.00	TO	242+94.00	494.00	1.00	494.00	1.50	24.7	4.6			
E.B.	253+45.00	TO	263+50.00	1,005.00	12.00	12,060.00	1.50	603.0	112.6			
E.B. SHOULDER	253+45.00	TO	263+50.00	1,005.00	1.25	1,256.25	1.50	62.8	11.7			
W.B.	253+45.00	TO	263+50.00	1,005.00	1.00	1,005.00	1.50	50.3	9.4			
STATION EQUATION	302+35.00 BK	TO	286+01.80 AH	IN OMISSIONS AREA								
E.B.	362+70.00	TO	366+30.00	360.00	12.00	4,320.00	1.50	216.0	40.3			
E.B. SHOULDER	362+70.00	TO	366+30.00	360.00	1.25	450.00	1.50	22.5	4.2			
W.B.	362+70.00	TO	366+30.00	360.00	1.00	360.00	1.50	18.0	3.4			
FAP 721 (ILL 10) E. OF CLINTON SUB TOTAL =								1,324.5	247.2			
USE =								1,325.0	248.0			
LOCATION #3 (RURAL)												
E.B.	2544+79.00	TO	2547+79.00	300.00	11.00	3,300.00	1.50	165.0	30.8			
E.B. SHOULDER	2544+79.00	TO	2547+79.00	300.00	2.00	600.00	1.50	30.0	5.6			
W.B.	2544+79.00	TO	2547+79.00	300.00	1.00	300.00	1.50	15.0	2.8			
STATION EQUATION	2645+30.97 BK	TO	351+39.07 AH	IN OMISSIONS AREA								
E.B.	356+45.00	TO	358+95.00	250.00	1.00	250.00	1.50	12.5	2.3			
W.B.	356+45.00	TO	358+95.00	250.00	11.00	2,750.00	1.50	137.5	25.7			
W.B. SHOULDER	356+45.00	TO	358+95.00	250.00	1.67	417.50	1.50	20.9	3.9			
E.B.	367+48.00	TO	374+53.00	705.00	1.00	705.00	1.50	35.3	6.6			
W.B.	367+48.00	TO	374+53.00	705.00	11.00	7,755.00	1.50	387.8	72.4			
W.B. SHOULDER	370+89.45	TO	374+53.00	363.55	1.67	607.13	1.50	30.4	5.7			
FAP 71 (ILL 54) E. OF DEWITT SUB TOTAL =								834.2	155.7			
USE =								835.0	156.0			
LOCATION #4 (URBAN)												
N.B.P.L.	1303+96.00	TO	1342+40.00	3,844.00	1.00	3,844.00	1.50	192.2		35.9		
N.B.D.L.	1303+96.00	TO	1342+40.00	3,844.00	12.00	46,128.00	1.50	2,306.4	430.5			
N.B. SHOULDER	1303+96.00	TO	1342+40.00	3,844.00	1.00	3,844.00	1.50	192.2				35.9
URBAN / RURAL LIMITS	1358+41.13											
LOCATION #4 (RURAL)												
N.B.P.L.	1359+00.00	TO	1364+30.00	530.00	1.00	530.00	1.50	26.5		4.9		
N.B.D.L.	1359+00.00	TO	1364+30.00	530.00	12.00	6,360.00	1.50	318.0	59.4			
N.B. SHOULDER	1359+00.00	TO	1364+30.00	530.00	1.00	530.00	1.50	26.5				4.9
N.B.P.L.	1364+30.00	TO	1399+60.00	3,530.00	1.00	3,530.00	1.50	176.5		32.9		
N.B.D.L.	1364+30.00	TO	1399+60.00	3,530.00	12.00	42,360.00	1.50	2,118.0	395.4			
N.B. SHOULDER	1364+30.00	TO	1399+60.00	3,530.00	2.00	7,060.00	1.50	353.0				65.9
**RAISE PAVEMENT ELEVATION TO ELIMINATE DIP												
N.B.D.L.	1460+70.00	TO	1461+20.00	50.00	12.00	600.00	1.50	30.0		5.6		
N.B.D.L. SHOULDER	1460+70.00	TO	1461+20.00	50.00	3.00	150.00	1.50	7.5				1.4
N.B.P.L.	1460+70.00	TO	1461+20.00	50.00	12.00	600.00	1.50	30.0		5.6		
N.B.P.L. SHOULDER	1460+70.00	TO	1461+20.00	50.00	2.00	100.00	1.50	5.0				0.9
FAP 322 (U.S. 51) N. OF WAPELLA SUB TOTAL (URBAN) =								2,690.8	466.4		35.9	
USE =								2,691.0	467.0		36.0	
FAP 322 (U.S. 51) N. OF WAPELLA SUB TOTAL (RURAL) =								3,091.0	503.8		73.2	
USE =								3,091.0	504.0		74.0	
TOTAL (URBAN) =								3,012.0	0.0	467.0	60.0	36.0
TOTAL (RURAL) =								5,251.0	404.0	504.0	0.0	74.0
GRAND TOTAL =								8,263.0	404.0	971.0	60.0	110.0

NOTES:

*AREA MEASURED FROM CADD

MODEL: \\MODEL\NAME; FILE: NAME; PROJECT: \\PROJECT\PROJECT; OFFICE: \\OFFICE\OFFICE; DRAWING: \\DRAWING\DRAWING; SHEET: \\SHEET\SHEET

USER NAME = helanderjc	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/12/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

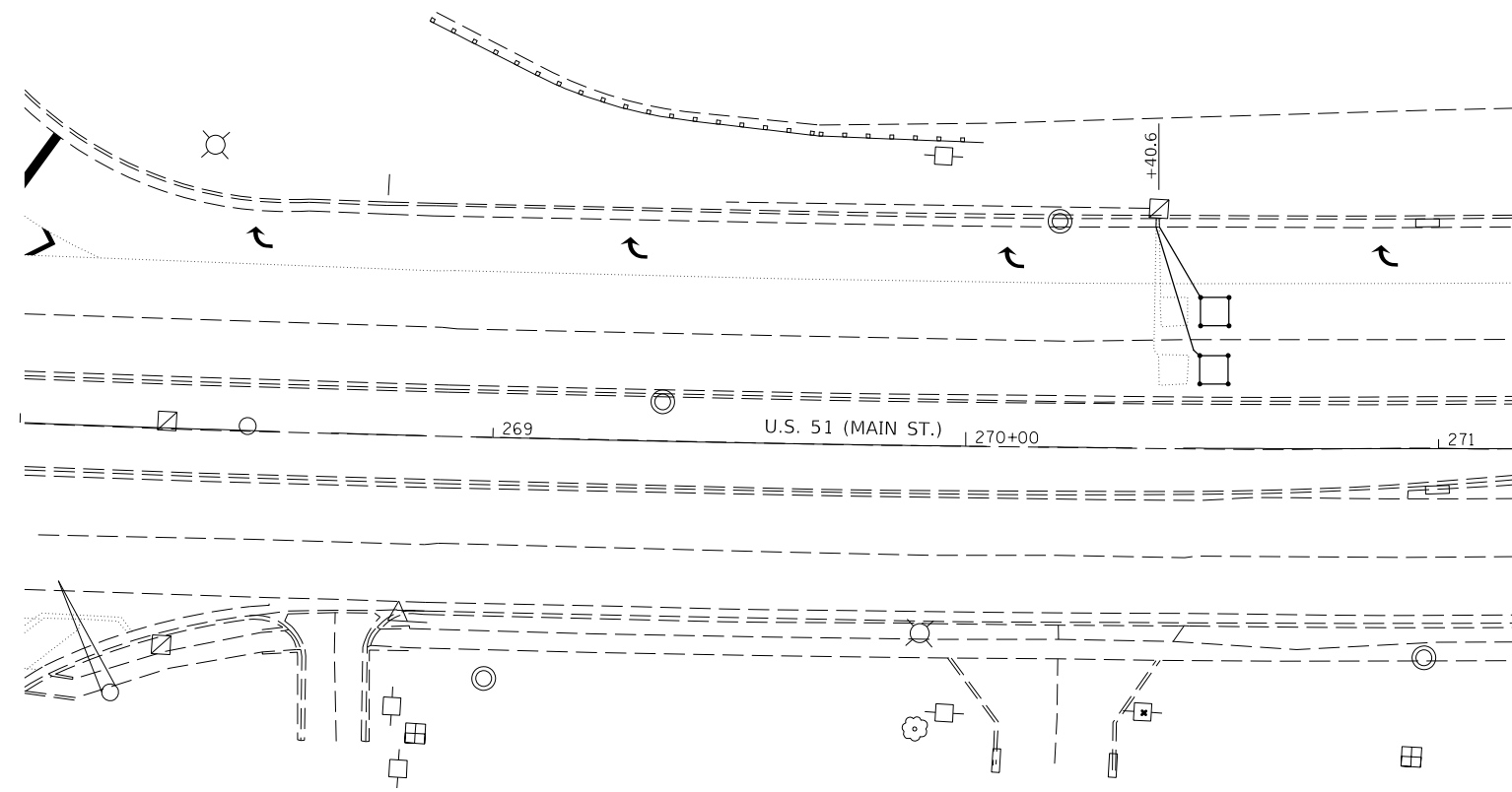
SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM2019-6	*	23	21
*DEWITT & MCLEAN		CONTRACT NO. 70D48		
ILLINOIS FED. AID PROJECT				

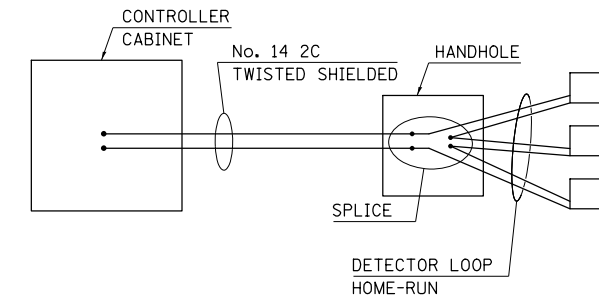
LOCATION #1

U.S. 51B AUXILARY LANE



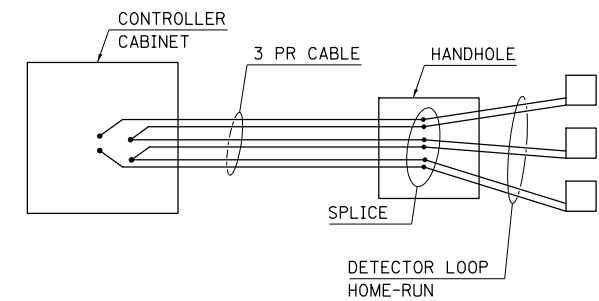
DETAIL OF DETECTOR LOOP WIRING

WIRED IN SERIES WITH SINGLE PAIR CABLE
(3 LOOP TURNS REQUIRED)



DETAIL OF DETECTOR LOOP WIRING

WIRED IN SERIES WITH MULTI-PAIR CABLE
(5 LOOP TURNS REQUIRED)



DETECTOR LOOP, TYPE 1 = 94.0 FT.

MODEL: \\MODELNAME
FILE NAME: \\U:\BID\BID\NTEC\Illinois\gov\PIW\DOT\Documents\DOT_Offices\Director\Projects\0570\048\CADD\DATA\CAD\Sheet\0570\048-01c-detectior_loop.dgn

USER NAME = helanderjc	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/10/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET FOR DETECTOR LOOP

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM2019-6	-	23	23
*DEWITT & MCLEAN		CONTRACT NO. 70D48		
ILLINOIS		FED. AID PROJECT		