

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	1
		ILLINOIS	CONTRACT NO. 70B03	

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NOS. 4-7

CURRENT TRAFFIC DATA

FAP RTE. 749 / (IL 133)

	ADT (2020)	PV %	SU %	MJ %
LEG "A"	= 4,250	82.9	7.1	10.0
LEG "B"	= 3,850	86.7	4.9	8.4
LEG "C"	= 4,500	81.1	8.3	10.6
LEG "D"	= 5,700	92.4	2.3	5.3

TRAFFIC DATA LOCATIONS

- LEG "A" = ECL OF ARTHUR TO FAS 665.
- LEG "B" = FAS 665 TO FAS 666 IN ARCOLA.
- LEG "C" = FAS 666 TO ARCOLA AVE. IN ARCOLA.
- LEG "D" = ARCOLA AVE. TO US 45 IN ARCOLA.

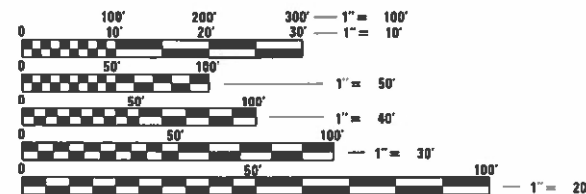
FUNCTIONAL CLASSIFICATION

MINOR ARTERIAL (RURAL)

DESIGN DESIGNATION

NA

TOWNSHIPS: BOURBON, ARCOLA



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

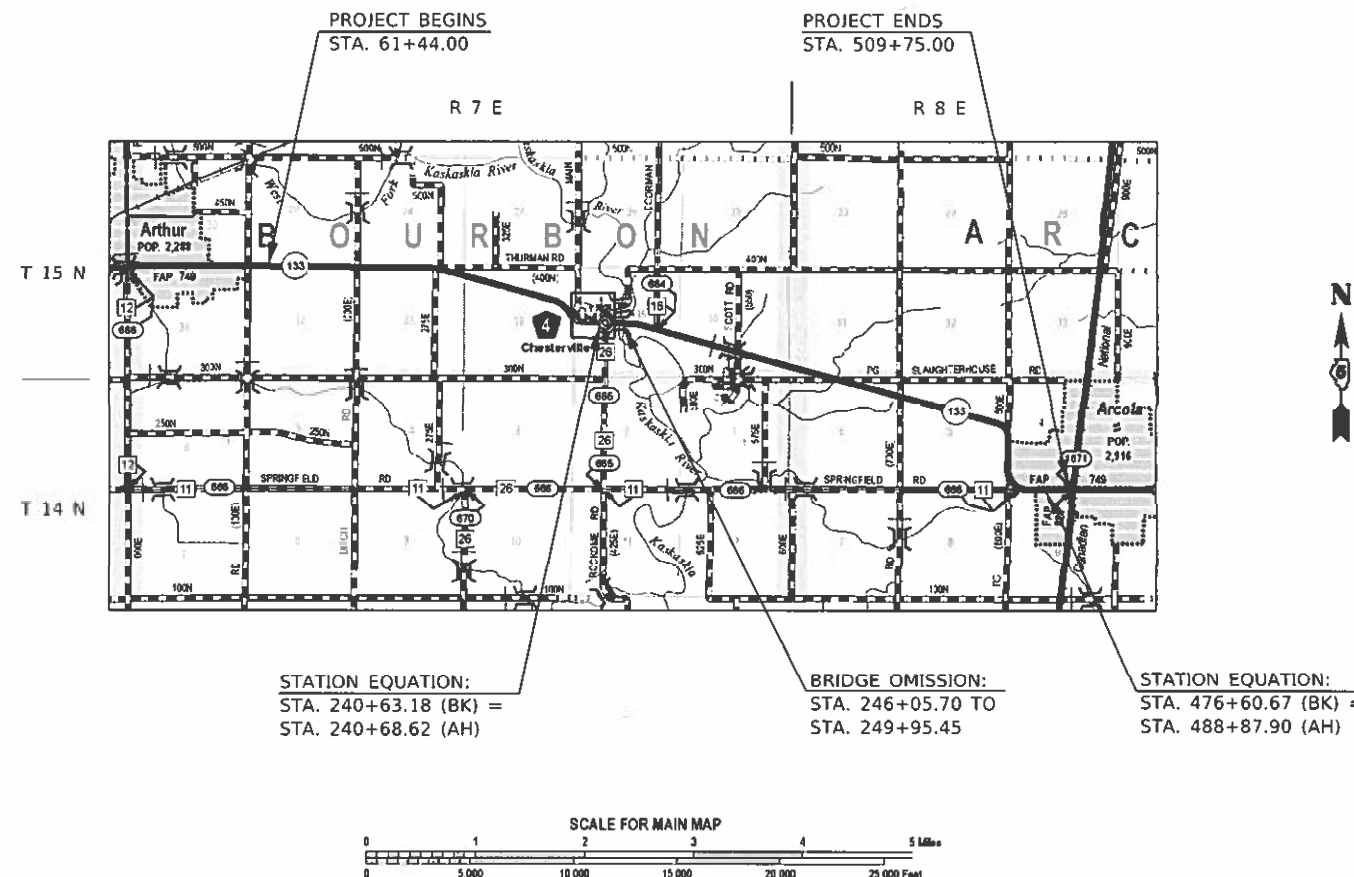
PROJECT ENGINEER: JASON STULTS
SQUAD LEADER: GREG EAGLIN
PROJECT DESIGNER: STEVEN WOOD
PHONE: (217)-465-4181

CONTRACT NO. 70B03

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 749 / (IL 133)
SECTION 120RS-4
PROJECT STP-Q5EE(327)
SMART OVERLAY FROM
ECL OF ARTHUR TO US 45 AT ARCOLA
DOUGLAS COUNTY

C-95-099-20



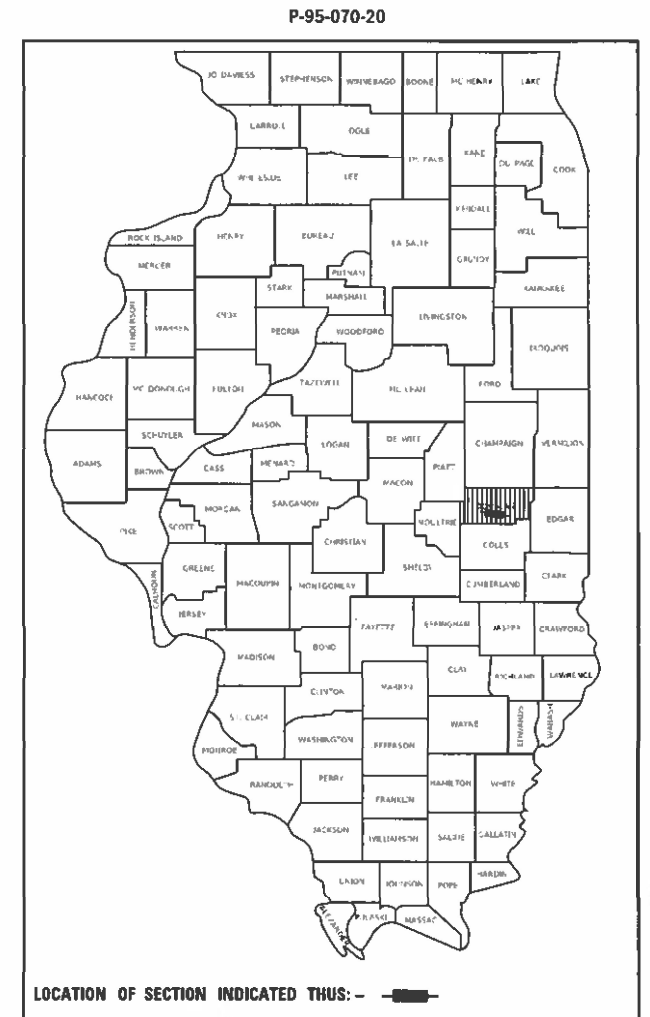
STATION EQUATION:
STA. 240+63.18 (BK) =
STA. 240+68.62 (AH)

BRIDGE OMISSION:
STA. 246+05.70 TO
STA. 249+95.45

STATION EQUATION:
STA. 476+60.67 (BK) =
STA. 488+87.90 (AH)



GROSS LENGTH = 43598.33 FT. = 8.257 MILES
NET LENGTH = 43,208.58 FT. = 8.183 MILES



LOCATION OF SECTION INDICATED THIS: - [shaded area]

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 12/18 2021
Kensil A. Barnett sw
REGIONAL ENGINEER

February 4, 2022
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

February 4, 2022
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 2

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVER SHEET
2	INDEX OF SHEETS
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3	GENERAL NOTES
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48	DETAIL FOR MAILBOX TURNOUT (RURAL)
49	DETAIL FOR TRAFFIC CONTROL AND PROTECTION DEVICES (ROAD & SIDEROAD/STREET CLOSURES)
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52	DETAIL FOR EDGELINE RUMBLE STRIP 8 INCH
53	DETAIL FOR RAISED REFLECTIVE PAVEMENT MARKERS ON HORIZONTAL CURVES
54 - 57	DETAIL FOR PAVEMENT MARKING AND MARKINGS (RURAL & URBAN TYPICAL APPLICATIONS)

LIST OF HIGHWAY STANDARDS

<u>STANDARD NO.</u>	<u>NAME OF STANDARD</u>
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-17	TRAFFIC BARRIER TERMINAL, TYPE 6
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS \geq 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
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

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	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS & LIST OF HIGHWAY STANDARDS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	2
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

G.N.-100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-105.09A
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N. - 406H
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION(S)	IL 133	IL 133	IL 133
MIXTURE USE(S)	SURFACE MAINLINE 61+44.00 TO 388+00.00	SURFACE MAINLINE 388+00.00 TO 509+75.00	BINDER CLASS D & P.D. PATCHES
AC/PG	PG 64-22	SBS PG 70-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMP(GRADATION)	IL 9.5	IL 9.5	IL 19.0
FRICTION AGGREGATE	MIX "C"	MIX "D"	N.A.
MIXTURE WEIGHT	112	112	112
QUALITY MANAGEMENT PROGRAM	QCP	QCP	QC/QA
SUBLOT SIZE	1000	1000	N.A.
MATERIAL TRANSFER DEVICE (REQUIRED?)	NO	NO	NO

LOCATION(S)	IL 133	IL 133
MIXTURE USE(S)	INCIDENTAL	HOT MIX ASPHALT SHOULDER SPECIAL
AC/PG	PG 64-22	SBS PG 70-22
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=50
MIX COMP(GRADATION)	IL 9.5	IL 9.5, See HMA Special Provisions for requirements
FRICTION AGGREGATE	MIX "C"	Mix "E"
MIXTURE WEIGHT	112	112
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA
SUBLOT SIZE	N.A.	N.A.
MATERIAL TRANSFER DEVICE (REQUIRED?)	NO	NO

G.N.-408B
THE INCIDENTAL HOT-MIX ASPHALT SURFACING SHALL BE COMPACTED AS REQUIRED BY THE SPECIFICATIONS FOR DESIGN NUMBER OF GYRATIONS BEING USED.

AT THE FOLLOWING LOCATIONS:
LT N 425E ROAD

G.N.-703A
SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: PAVEMENT MARKING REMOVAL, COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (TACK COAT), AND BINDER & SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N. - 781
THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS.

COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS CONTRACT.

STRUCTURE INFORMATION:

IF THE CONTRACTOR ELECTS TO USE A MATERIAL TRANSFER DEVICE (MTD), THEN THE FOLLOWING REQUIREMENTS WILL APPLY.

BASED ON STRUCTURAL ANALYSIS, THE FOLLOWING SHOULD BE NOTED WITH REGARDS TO MATERIAL TRANSFER DEVICES (MTD) TRAVELING OVER EXISTING STRUCTURES:

ONLY AN EMPTY MATERIAL TRANSFER DEVICE WITH A MAXIMUM GROSS WEIGHT OF 40 TONS MAY CROSS OVER THE FOLLOWING STRUCTURE:

S.N. 021-0059	S.N. 021-2024
S.N. 021-8025	S.N. 021-8056
S.N. 021-8311	S.N. 021-8312
S.N. 021-8313	

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	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	3
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

LOCATION OF WORK: FAP 749 / (IL 133)
 RURAL 2 LANE
 COUNTY: DOUGLAS
 STA. 61+44.00
 TO
 STA. 509+75.00
 FUNDING BREAKOUT: 80% FED
 20% STATE
 CONSTRUCTION CODE: 0005

CODE NO	ITEM	UNIT	TOTAL QUANTITY
35800100	PREPARATION OF BASE	SQ YD	60.0
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	88,618.0
40600370	LONGITUDINAL JOINT SEALANT	FOOT	43,359.0
40600990	TEMPORARY RAMP	SQ YD	267.0
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	7,829.0
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	2,682.0
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	135.0
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,917.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	374.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	189,701.0
44201851	CLASS D PATCHES, TYPE II, 17 INCH	SQ YD	122.0
44201855	CLASS D PATCHES, TYPE III, 17 INCH	SQ YD	104.0
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	940.0
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1.0

* SPECIALTY ITEM

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				SCALE: NONE SHEET 1 OF 4 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 70B03				

SUMMARY OF QUANTITIES

LOCATION OF WORK: FAP 749 / (IL 133)
RURAL 2 LANE
COUNTY: DOUGLAS
STA. 61+44.00
TO
STA. 509+75.00
FUNDING BREAKOUT: 80% FED
20% STATE
CONSTRUCTION CODE: 0005

CODE NO	ITEM	UNIT	TOTAL QUANTITY
* 6300001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	387.5
* 6310085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4.0
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4.0
63200310	GUARDRAIL REMOVAL	FOOT	732.0
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	72,709.0
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6.0
67100100	MOBILIZATION	L SUM	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1.0
70300100	SHORT TERM PAVEMENT MARKING	FOOT	12,192.0
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2,032.0
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	47.0
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	101,479.0

* SPECIALTY ITEM

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USER NAME = woodst	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -					SCALE: NONE		SHEET 2 OF 4 SHEETS	STA.	TO STA.	749	120RS-4	DOUGLAS	57
PLOT DATE = 12/8/2021	CHECKED -	REVISED -	ILLINOIS FED. AID PROJECT						CONTRACT NO. 70B03						
DATE -	REVISED -										REV. 12/17/21				

SUMMARY OF QUANTITIES

LOCATION OF WORK: FAP 749 / (IL 133)
 RURAL 2 LANE
 COUNTY: DOUGLAS
 STA. 61+44.00
 TO
 STA. 509+75.00
 FUNDING BREAKOUT: 80% FED
 20% STATE
 CONSTRUCTION CODE: 0005

CODE NO	ITEM	UNIT	TOTAL QUANTITY
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	84.0
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	105.0
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	33.0
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4.0
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	47.0
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,039.0
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	84.0
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	105.0
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	33.0
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	100,440.0
* 78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	47.0
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	1,039.0
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	84.0
* 78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	105.0

* SPECIALTY ITEM

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USER NAME = woodst	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -		SCALE: NONE	SHEET 3	OF 4	SHEETS	STA.	TO STA.	749	120RS-4	DOUGLAS	57	6
PLOT DATE = 12/8/2021	DATE -	REVISED -					CONTRACT NO. 70B03			ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

LOCATION OF WORK: FAP 749 / (IL 133)
 RURAL 2 LANE
 COUNTY: DOUGLAS
 STA. 61+44.00
 TO
 STA. 509+75.00
 FUNDING BREAKOUT: 80% FED
 20% STATE
 CONSTRUCTION CODE: 0005

CODE NO	ITEM	UNIT	TOTAL QUANTITY
* 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	33.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	786.0
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	16.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	786.0
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	4,256.0
X4406280	PARTIAL DEPTH REMOVAL, TYPE II, 8"	SQ YD	455.0
X4406480	PARTIAL DEPTH REMOVAL, TYPE III, 8"	SQ YD	72.0
X4421000	PARTIAL DEPTH PATCHING	TON	236.0
X4823105	HOT-MIX ASPHALT SHOULDERS SPECIAL	TON	5,425.0
* XZ193400	SURVEY MARKER, TYPE 2 (SPECIAL)	EACH	17.0
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.0
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	8.0

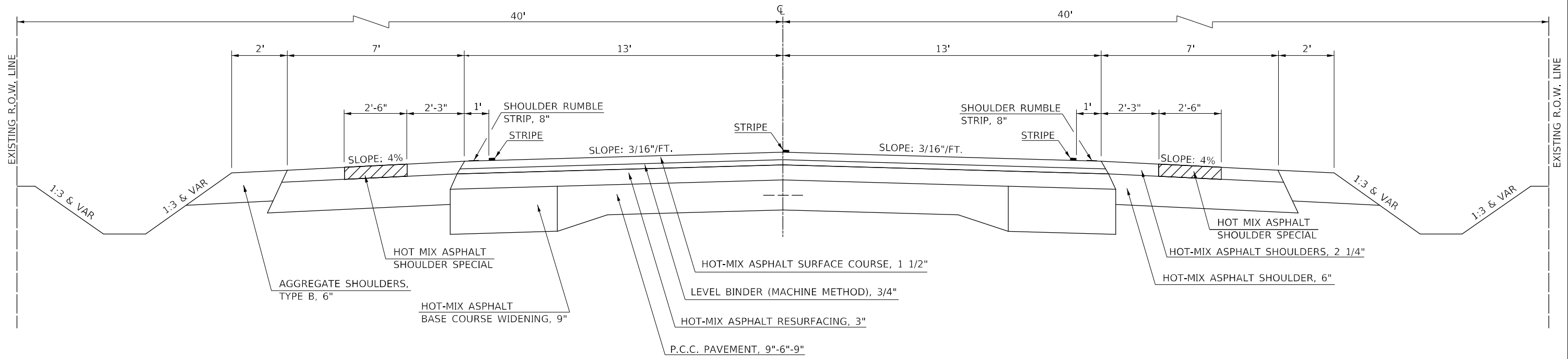
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				SCALE: NONE SHEET 4 OF 4 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 70B03				

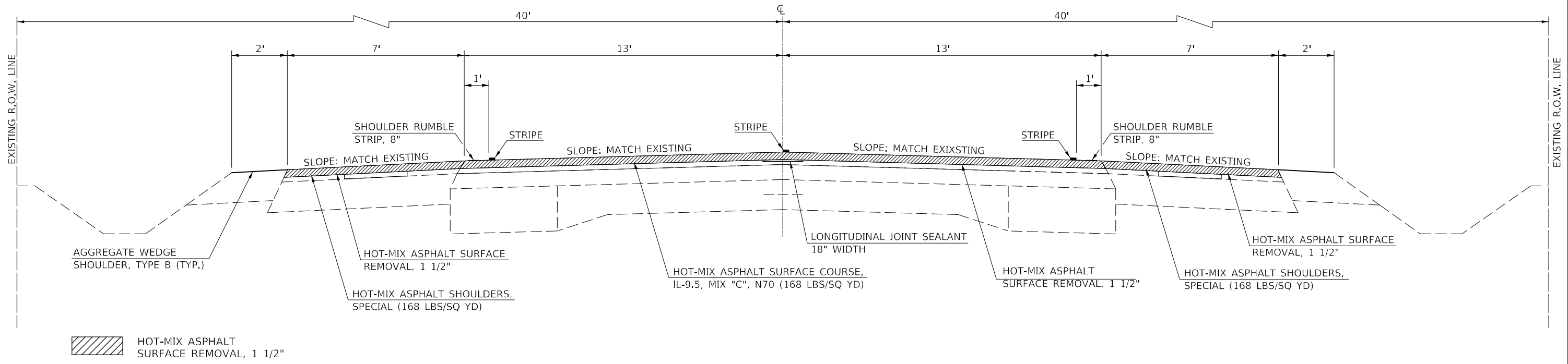
(A) EXISTING TYPICAL CROSS SECTION

STATION TO STATION
61+44.00 TO 143+95.00 (B)



(1) PROPOSED TYPICAL CROSS SECTION

STATION TO STATION
61+44.00 TO 143+95.00 (2)



HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"

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	DRAWN -	REVISED -
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PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

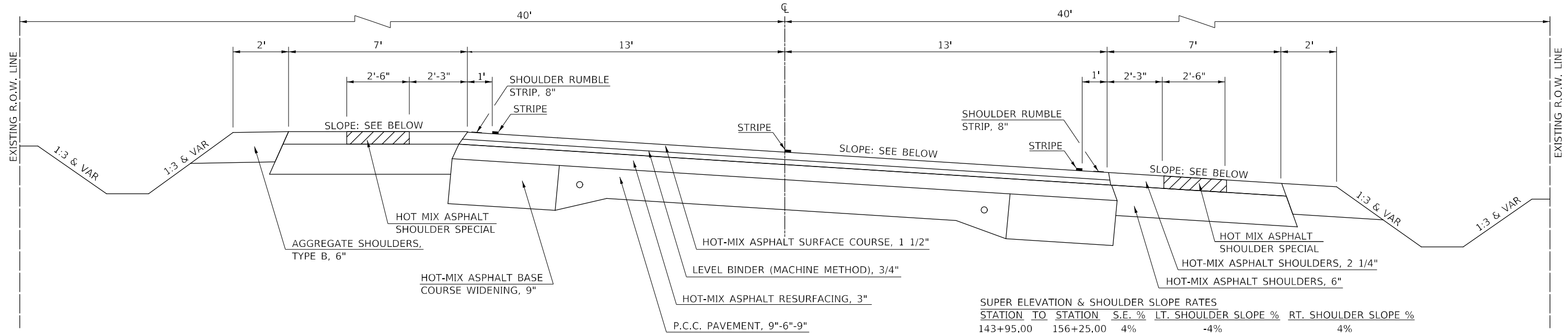
TYPICAL CROSS SECTIONS

SCALE: NONE SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	8
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

(B) EXISTING TYPICAL CROSS SECTION

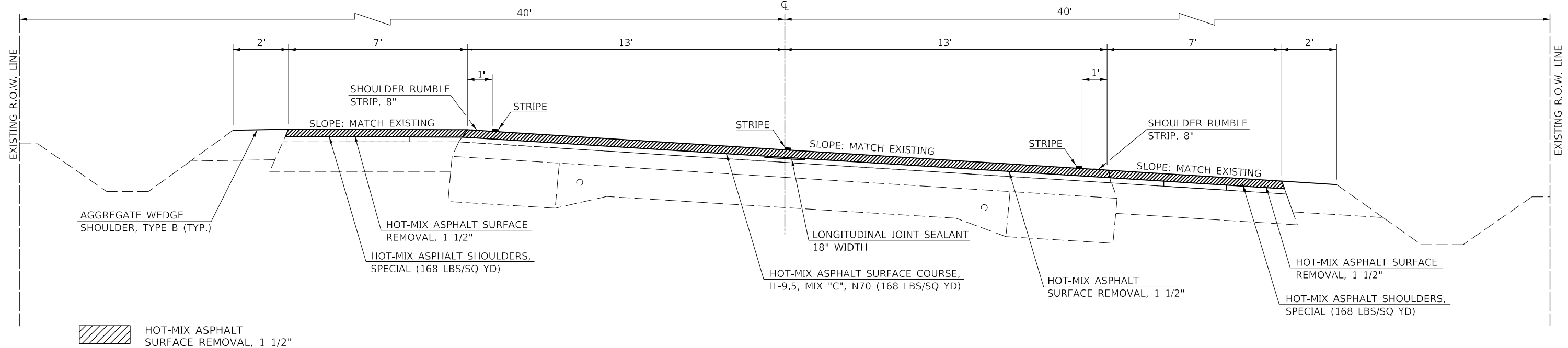
	STATION	TO	STATION
(A)	143+95.00		156+25.00 (C)
(D)	209+04.00		220+42.50 (E)
(C)	252+50.00		259+22.00 (C)



SUPER ELEVATION & SHOULDER SLOPE RATES			
STATION	TO	STATION	S.E. % LT. SHOULDER SLOPE % RT. SHOULDER SLOPE %
143+95.00		156+25.00	4% -4% 4%
209+04.00		220+42.50	6% -4% 4%
250+09.00		259+22.00	4% -4% 4%

(2) PROPOSED TYPICAL CROSS SECTION (2)

	STATION	TO	STATION
(1)	143+95.00		156+25.00 (3)
(4)	209+04.00		220+42.50 (5)
(3)	252+50.00		259+22.00 (3)



HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"

USER NAME = woodst	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -	
PLOT DATE = 12/8/2021	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL CROSS SECTIONS

SCALE: NONE SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	9
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

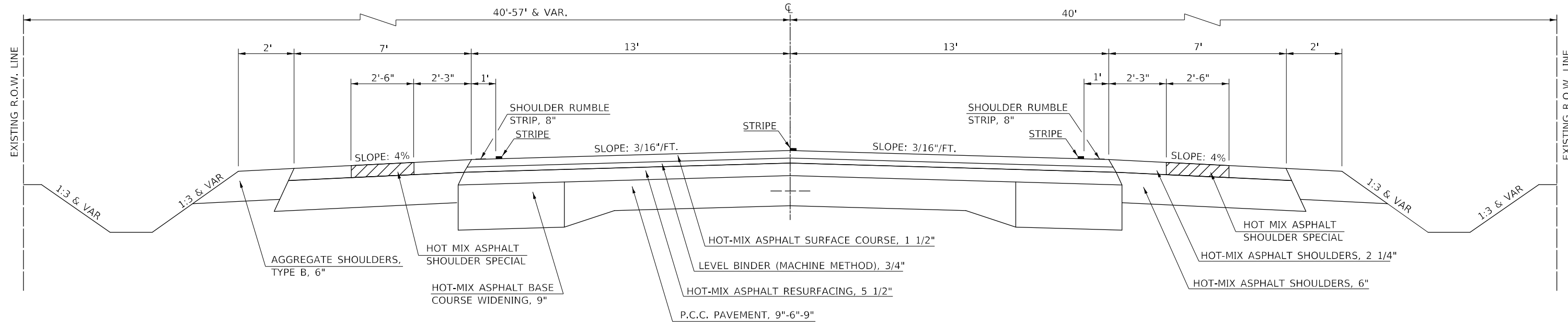
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C EXISTING TYPICAL CROSS SECTION

STATION	TO	STATION
(B) 156+25.00		160+00.00 (D)
(E) 229+65.00		243+50.00 (B)
(B) 259+22.00		264+99.00 (F)

STATION EQUATION:
 STA. 240+63.18 (BK) =
 STA. 240+68.62 (AH)

BRIDGE OMISSION:
 STA. 243+50.00 TO STA. 252+50.00

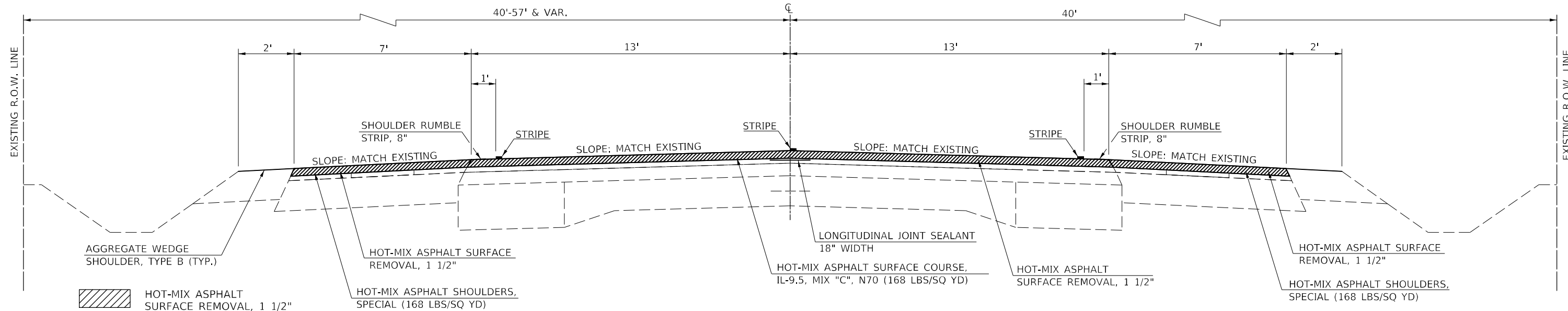


3 PROPOSED TYPICAL CROSS SECTION

STATION	TO	STATION
(2) 156+25.00		160+00.00 (4)
(5) 229+65.00		243+50.00 (2)
(2) 259+22.00		264+99.00 (6)

STATION EQUATION:
 STA. 240+63.18 (BK) =
 STA. 240+68.62 (AH)

BRIDGE OMISSION:
 STA. 246+05.70 TO STA. 249+95.45



MODEL: \\MODEL\MAME
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	DATE -	REVISED -

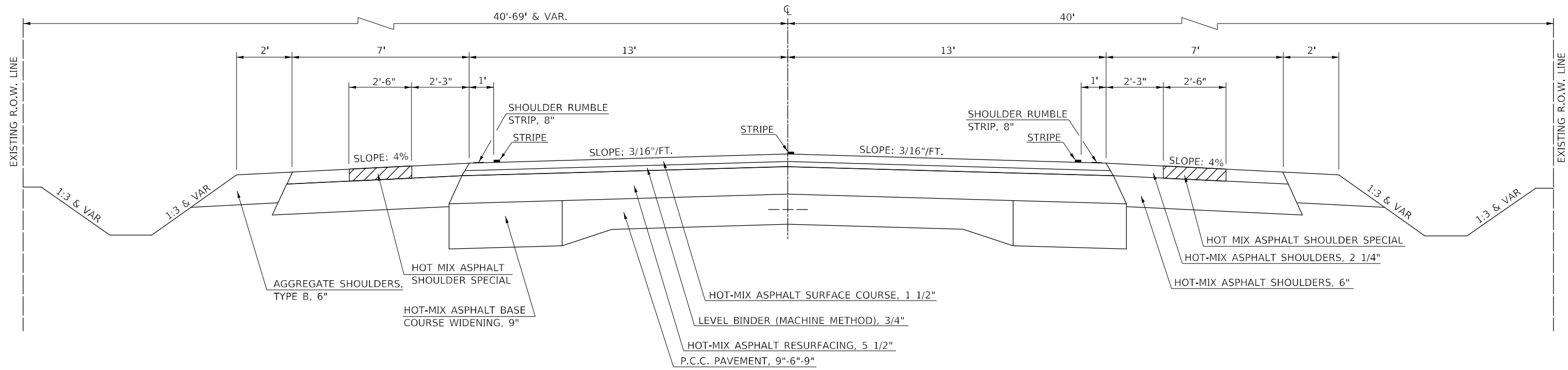
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS			
SCALE: NONE	SHEET 3	OF 9 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	10
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

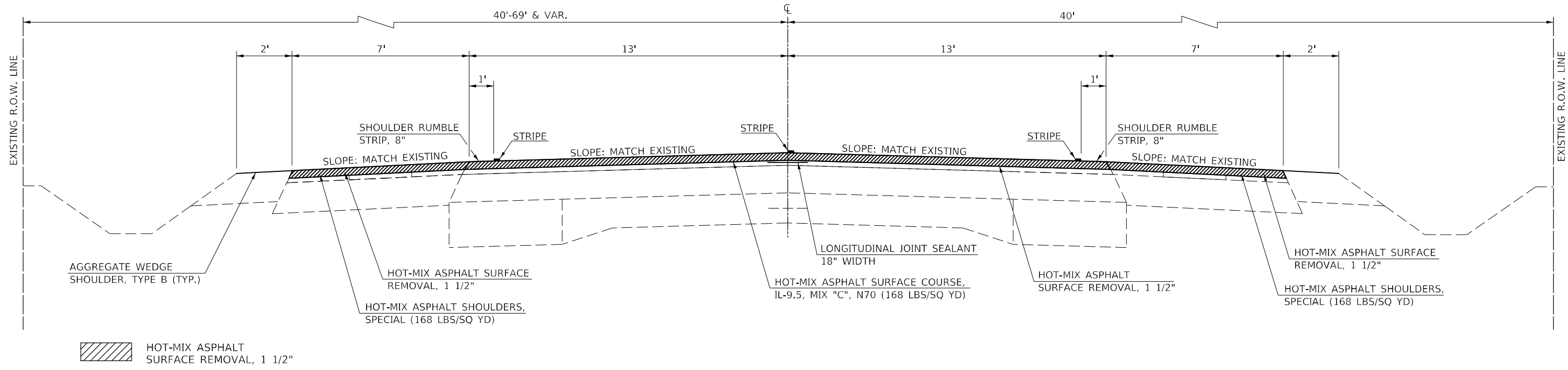
D EXISTING TYPICAL CROSS SECTION

STATION TO STATION
 C 160+00.00 TO 209+04.00 B



4 PROPOSED TYPICAL CROSS SECTION

STATION TO STATION
 3 160+00.00 TO 209+04.00 2



HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"

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PLOT SCALE = 40,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 12/8/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

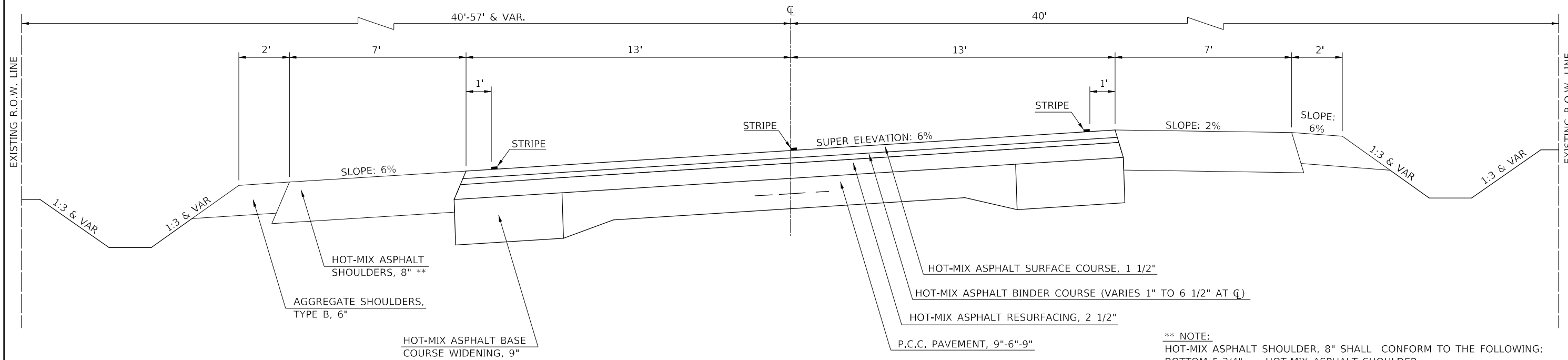
TYPICAL CROSS SECTIONS
 SCALE: NONE SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	11
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

(G) EXISTING TYPICAL CROSS SECTION

STATION TO STATION
 (F) 460+33.00 490+15.60 (F)

STATION EQUATION:
 STA. 476+60.67 (BK) =
 STA. 488+87.90 (AH)

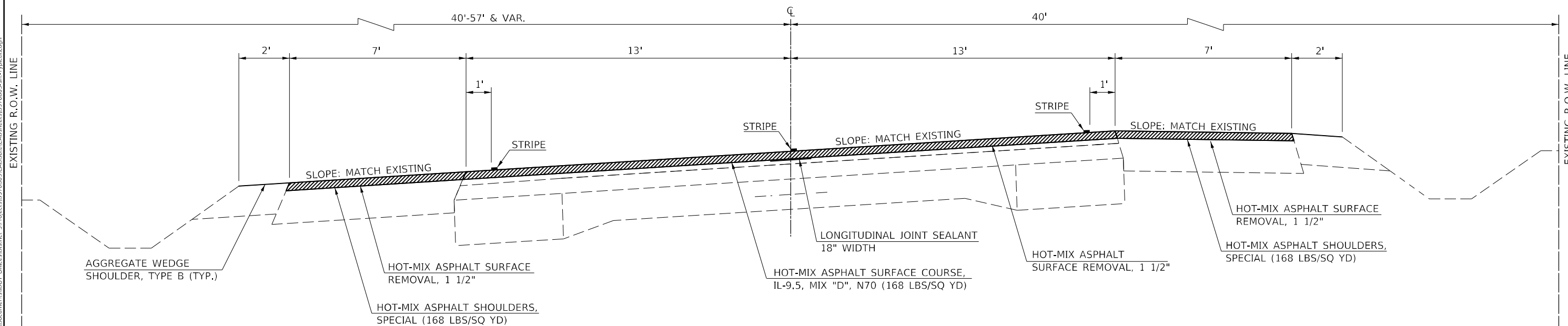


**** NOTE:**
 HOT-MIX ASPHALT SHOULDER, 8" SHALL CONFORM TO THE FOLLOWING:
 BOTTOM 5-3/4" - HOT-MIX ASPHALT SHOULDER
 TOP 2-1/4" - HOT-MIX ASPHALT SHOULDER, SPECIAL
 ENTIRE SHOULDER SHALL BE PAID FOR AS HOT-MIX ASPHALT SHOULDER, 8"

(7) PROPOSED TYPICAL CROSS SECTION

STATION TO STATION
 (6) 460+33.00 490+15.60 (6)

STATION EQUATION:
 STA. 476+60.67 (BK) =
 STA. 488+87.90 (AH)



HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"

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 PROJECT: I:\PROJECTS\70B03\70B03.dwg
 SHEET: 7 OF 9
 DATE: 12/8/2021

USER NAME = woodst	DESIGNED -	REVISED -
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PLOT DATE = 12/8/2021	CHECKED -	REVISED -
	DATE -	REVISED -

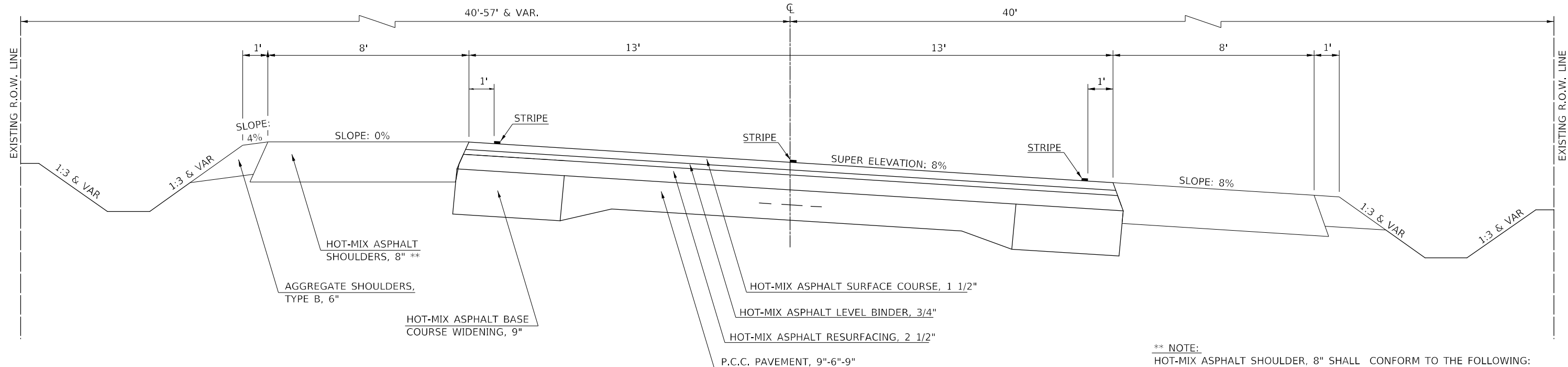
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL CROSS SECTIONS			
SCALE: NONE	SHEET 7	OF 9 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	14
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

(H) EXISTING TYPICAL CROSS SECTION

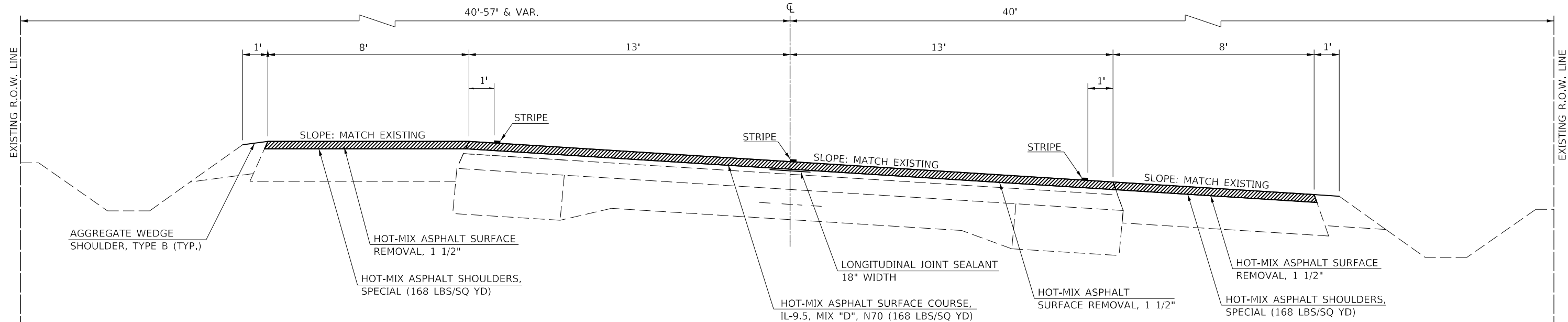
STATION TO STATION
 (F) 436+90.00 (F) 447+33.00 (F)



** NOTE:
 HOT-MIX ASPHALT SHOULDER, 8" SHALL CONFORM TO THE FOLLOWING:
 BOTTOM 5-3/4" - HOT-MIX ASPHALT SHOULDER
 TOP 2-1/4" - HOT-MIX ASPHALT SHOULDER, SPECIAL
 ENTIRE SHOULDER SHALL BE PAID FOR AS HOT-MIX ASPHALT SHOULDER, 8"

(8) PROPOSED TYPICAL CROSS SECTION

STATION TO STATION
 (6) 436+90.00 (6) 447+33.00 (6)



HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"

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 PLOT SCALE: 40,0000 * / in.
 USER NAME: woodst
 DESIGNED: -
 DRAWN: -
 CHECKED: -
 DATE: -
 REVISED: -
 REVISED: -
 REVISED: -
 REVISED: -
 STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL CROSS SECTIONS
 SCALE: NONE SHEET 8 OF 9 SHEETS STA. TO STA.
 F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
 749 120RS-4 DOUGLAS 57 15
 CONTRACT NO. 70B03
 ILLINOIS FED. AID PROJECT

USER NAME = woodst	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 12/8/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

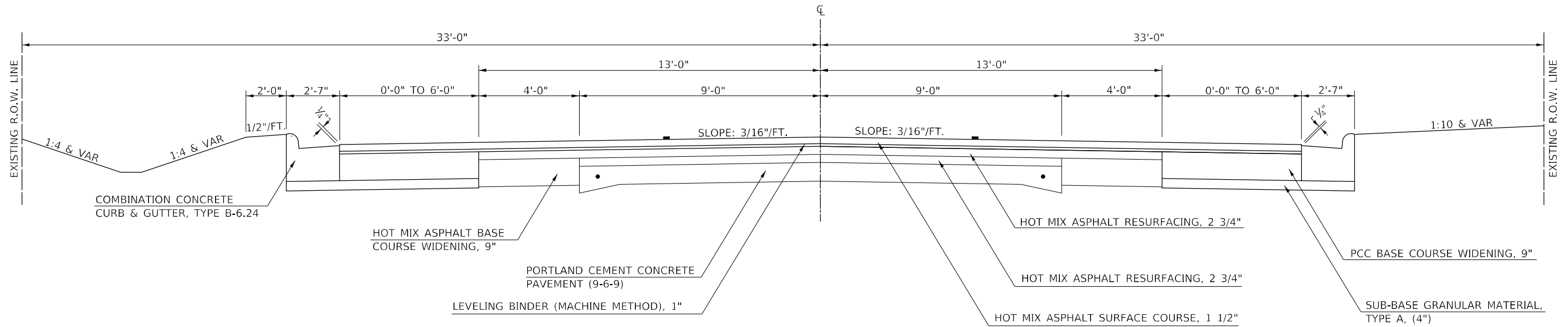
TYPICAL CROSS SECTIONS

SCALE: NONE SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	15
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

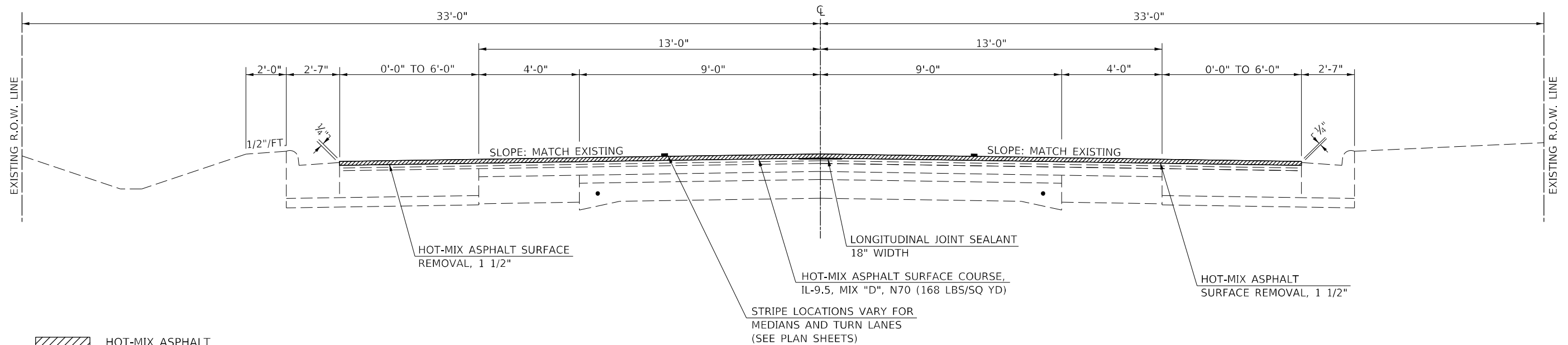
I EXISTING TYPICAL CROSS SECTION

STATION TO STATION
 (F) 505+62.00 TO 509+75.00



9 PROPOSED TYPICAL CROSS SECTION

STATION TO STATION
 (G) 505+62.00 TO 509+75.00



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PLOT DATE = 12/8/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: NONE SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	16
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

CLASS D PATCHING SCHEDULE

LOCATION	NUMBER OF PATCHES (QTY)	LENGTH (FT)	WIDTH (FT)	QUANTITY PER PATCH SIZE (SQ YD)	44201851	44201855
					TYPE II, 17" (SQ YD)	TYPE III, 17" (SQ YD)
IL 133	14.0	6.0	13.0	8.67	121.33	
IL 133	6.0	12.0	13.0	17.33		104.00
TOTAL =					121.33	104.00
USE =					122.00	104.00
					SQ YD	SQ YD

NOTE:

FIELD INSPECTION HAS DETERMINED THAT THE QUANTITY OF CLASS D PATCHES SHOWN IN THE SCHEDULE MAY BE NEEDED FOR THIS CONTRACT. THE ROADWAY STATIONS ARE NOT SHOWN, BUT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

PARTIAL DEPTH PATCHING SCHEDULE

LOCATION	NUMBER OF PATCHES (QTY)	LENGTH (FT)	WIDTH (FT)	QUANTITY PER PATCH SIZE (SQ YD)	** HOT-MIX ASPHALT DEPTH (INCHES)	X4406280	X4406480	X4421000
						PARTIAL DEPTH REMOVAL, TYPE II, 8" (SQ YD)	PARTIAL DEPTH REMOVAL, TYPE III, 8" (SQ YD)	PARTIAL DEPTH PATCHING (TON)
IL 133	10.0	6.0	13.0	8.67	8.0	86.67		38.83
IL 133	12.0	12.0	13.0	17.33	8.0	208.00		93.18
IL 133	4.0	20.0	13.0	28.89	8.0	115.56		51.77
IL 133	2.0	50.0	4.0	22.22	8.0	44.44		19.91
IL 133	1.0	160.0	4.0	71.11	8.0		71.11	31.86
TOTAL =						454.67	71.11	235.55
USE =						455.00	72.00	236.00
						SQ YD	SQ YD	TON

NOTES:

FIELD INSPECTION HAS DETERMINED THAT THE QUANTITY OF PARTIAL DEPTH PATCHES SHOWN IN THE SCHEDULE MAY BE NEEDED FOR THIS CONTRACT. THE ROADWAY STATIONS ARE NOT SHOWN, BUT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

** THE DEPTH OF THE PARTIAL DEPTH PATCH SHALL GO TO THE TOP OF THE PCC PAVEMENT.

40600370 LONGITUDINAL JOINT SEALANT

LOCATION	STATION	TO	STATION	40600370	40600290
				LONGITUDINAL JOINT SEALANT (FT)	BITUMINOUS MATERIAL TACK COAT (POUND)
IL 133 MAINLINE JOINT	61+44.00		240+63.18 (BK)	17919.18	1343.94
IL 133 MAINLINE JOINT	240+68.62 (AH)		246+05.75	537.13	40.28
IL 133 MAINLINE JOINT	249+95.45		476+60.67 (BK)	22665.22	1699.89
IL 133 MAINLINE JOINT	488+87.90 (AH)		509+75.00	2087.10	156.53
IL 133 LT LANE	508+25.00		509+75.00	150.00	11.25
TOTAL =				43358.63	3251.90
USE =				43359.00	3252.00
				FT	POUND

NOTE:

LONGITUDINAL JOINT SEALANT SHALL BE USED AT ALL HMA MAINLINE PAVING JOINTS. PRIOR TO THE PLACEMENT OF THE LONGITUDINAL JOINT SEALANT A BITUMINOUS MATERIAL TACK COAT SHALL BE APPLIED.

ADDITIONAL QUANTITIES FOR PAY ITEM 40600290 ARE LOCATED ON SHEET 18.

60300305 FRAMES AND LIDS TO BE ADJUSTED

LOCATION	STATION	OFFSET (FT)	60300305	TYPE	COMMENTS
			QUANTITY (EACH)		
IL 133	453+70.46	LT, 17.03	1.0	MANHOLE	HMA ADJUSTMENT
TOTAL =			1.0		
			EACH		

40600990 TEMPORARY RAMP

LOCATION			STATION	TO	STATION	DROP (INCH)	LENGTH (FT)	WIDTH (FT)	QUANTITY (SQ YD)	CONSTRUCT AFTER:
E.B.	RT.	IL 133	61+44.00		61+49.00	1.50	5.00	20.00	11.11	MILLING
E.B.	RT.	IL 133	246+00.70		246+05.70	1.50	5.00	20.00	11.11	MILLING
E.B.	RT.	IL 133	249+95.45		250+00.45	1.50	5.00	20.00	11.11	MILLING
E.B.	RT.	IL 133	509+70.00		509+75.00	1.50	5.00	26.00	14.44	MILLING
W.B.	LT.	IL 133	61+44.00		61+49.00	1.50	5.00	20.00	11.11	MILLING
W.B.	LT.	IL 133	246+00.70		246+05.70	1.50	5.00	20.00	11.11	MILLING
W.B.	LT.	IL 133	249+95.45		250+00.45	1.50	5.00	20.00	11.11	MILLING
W.B.	LT.	IL 133	509+70.00		509+75.00	1.50	5.00	22.00	12.22	MILLING
E.B.	RT.	IL 133 N 200E RD	113+19.90			1.50	2.0	29.0	6.44	MILLING
W.B.	LT.	IL 133 N 200E RD	113+20.60			1.50	2.0	20.0	4.44	MILLING
E.B.	RT.	IL 133 N 270E RD	151+07.00			1.50	2.0	28.0	6.22	MILLING
W.B.	RT.	IL 133 N 275E RD	153+57.70			1.50	2.0	30.0	6.67	MILLING
W.B.	LT.	IL 133 N 400E RD	225+23.20			1.50	2.0	30.0	6.67	MILLING
W.B.	LT.	IL 133 N410 E RD	230+70.60			1.50	2.0	24.0	5.33	MILLING
W.B.	LT.	IL 133 N 415E RD	233+55.20			1.50	2.0	22.0	4.89	MILLING
W.B.	LT.	IL 133 N 425E RD	238+98.80			1.50	2.0	30.0	6.67	MILLING
E.B.	RT.	IL 133 N 425E RD	239+00.00			1.50	2.0	75.0	16.67	MILLING
W.B.	LT.	IL 133 N 475E RD	264+71.90			1.50	2.0	55.0	12.22	MILLING
W.B.	LT.	IL 133 N 550E RD	305+89.70			1.50	2.0	25.0	5.56	MILLING
E.B.	RT.	IL 133 N 550 E RD	305+90.00			1.50	2.0	30.0	6.67	MILLING
E.B.	RT.	IL 133 E 300N RD	354+08.20			1.50	2.0	35.0	7.78	MILLING
W.B.	LT.	IL 133 E 300N RD	358+65.40			1.50	2.0	30.0	6.67	MILLING
W.B.	LT.	IL 133 N 700E RD	386+96.00			1.50	2.0	28.0	6.22	MILLING
E.B.	RT.	IL 133 N 700E RD	386+98.20			1.50	2.0	22.0	4.89	MILLING
W.B.	LT.	IL 133 N 800E RD	441+51.55			1.50	2.0	28.0	6.22	MILLING
W.B.	LT.	IL 133 W JEFFERSON ST	448+74.70			1.50	2.0	30.0	6.67	MILLING
W.B.	LT.	IL 133 W MAIN ST	453+46.50			1.50	2.0	20.0	4.44	MILLING
W.B.	LT.	IL 133 W WASHINGTON ST	458+21.00			1.50	2.0	25.0	5.56	MILLING
E.B.	RT.	IL 133 E 200N RD	472+77.40			1.50	2.0	100.0	22.22	MILLING
W.B.	LT.	IL 133 S DIAMOND ST	472+80.30			1.50	2.0	20.0	4.44	MILLING
W.B.	LT.	IL 133 S ARCOLA ST	495+46.20			1.50	2.0	24.0	5.33	MILLING
W.B.	LT.	IL 133 S OKAW ST	504+01.50			1.50	2.0	20.0	4.44	MILLING
TOTAL =									266.67	
USE =									267.00	
									SQ YD	

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	DRAWN -	REVISED -
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PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE: NONE	SHEET 1	OF 9 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	17
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

HOT-MIX ASPHALT SCHEDULE

LOCATION		STATION	TO	STATION	LENGTH (FT)	AVERAGE WIDTH (FT)	AREA (SQ YD)	HMA SURFACE THICKNESS (INCHES)	4400155 HMA SURFACE REMOVAL, 1-1/2" (SQ YD)	40600290 BITUMINOUS MATERIAL TACK COAT (POUND)	40604052 HOT-MIX ASPHALT IL 9.5 MIX "C", N70 (TON)	40604062 HOT-MIX ASPHALT IL 9.5 MIX "D", N70 (TON)	X4823105 HOT-MIX ASPHALT SHOULDERS SPECIAL (TON)
E.B.	IL 133 (Mainline)	61+44.00		240+63.18 (BK)	17,919.18	13.00	25,883.26	1.5	25,833.26	11,647.47	2,174.19		
E.B.	IL 133 (Mainline)	240+68.62 (AH)		246+05.70	537.08	13.00	775.78	1.5	775.78	349.10	65.17		
E.B.	IL 133 (Mainline)	249+95.45		388+00.00	13,804.55	13.00	19,939.91	1.5	19,939.91	8,972.96	1,674.95		
E.B.	IL 133 (Mainline)	388+00.00		476+60.67 (BK)	8,860.67	13.00	12,798.75	1.5	12,798.75	5,759.44		1,075.09	
E.B.	IL 133 (Mainline)	488+87.90 (AH)		507+22.60	1,834.70	13.00	2,650.12	1.5	2,650.12	1,192.56		222.61	
E.B.	IL 133 (Mainline)	507+22.60		508+25.35	102.75	17.00	194.08	1.5	194.08	87.34		16.30	
E.B.	IL 133 (Mainline)	508+25.35		509+75.00	149.65	19.00	315.93	1.5	315.93	142.17		26.54	
E.B.	IL 133 (HMA SH)	61+44.00		112+61.85	5,117.85	7.00	3,980.55	1.5	3,930.55	1,791.25			334.37
E.B.	IL 133 (HMA SH)	113+60.63		150+70.55	3,709.92	7.00	2,885.49	1.5	2,835.49	1,298.47			242.38
E.B.	IL 133 (HMA SH)	151+62.50		172+89.65	2,127.15	7.00	1,654.45	1.5	1,654.45	744.50			138.97
E.B.	IL 133 (HMA SH)	173+78.45		240+63.18 (BK)	6,684.73	7.00	5,199.23	1.5	5,199.23	2,339.66			436.74
E.B.	IL 133 (HMA SH)	240+68.62 (AH)		246+17.60	548.98	7.00	426.98	1.5	426.98	192.14			35.87
E.B.	IL 133 (HMA SH)	250+07.40		305+58.70	5,551.30	7.00	4,317.68	1.5	4,317.68	1,942.96			362.68
E.B.	IL 133 (HMA SH)	306+45.30		353+50.40	4,705.10	7.00	3,659.52	1.5	3,659.52	1,646.79			307.40
E.B.	IL 133 (HMA SH)	354+45.75		386+64.95	3,219.20	7.00	2,503.82	1.5	2,503.82	1,126.72			210.32
E.B.	IL 133 (HMA SH)	387+55.55		476+60.67 (BK)	8,905.12	7.00	6,926.20	1.5	6,926.20	3,116.79			581.80
E.B.	IL 133 (HMA SH)	488+87.90 (AH)		495+06.65	618.75	7.00	481.25	1.5	481.25	216.56			40.43
E.B.	IL 133 (HMA SH)	495+90.40		504+35.00	844.60	7.00	656.91	1.5	656.91	295.61			55.18
E.B.	IL 133 (HMA SH)	504+35.00		505+61.60	126.60	6.50	91.43	1.5	91.43	41.14			7.68
W.B.	IL 133 (Mainline)	61+44.00		240+63.18 (BK)	17,919.18	13.00	25,883.26	1.5	25,833.26	11,647.47	2,174.19		
W.B.	IL 133 (Mainline)	240+68.62 (AH)		246+05.70	537.08	13.00	775.78	1.5	775.78	349.10	65.17		
W.B.	IL 133 (Mainline)	249+95.45		388+00.00	13,804.55	13.00	19,939.91	1.5	19,939.91	8,972.96	1,674.95		
W.B.	IL 133 (Mainline)	388+00.00		476+60.67 (BK)	8,860.67	13.00	12,798.75	1.5	12,798.75	5,759.44		1,075.09	
W.B.	IL 133 (Mainline)	488+87.90 (AH)		507+22.60	1,834.70	13.00	2,650.12	1.5	2,650.12	1,192.56		222.61	
W.B.	IL 133 (Mainline)	507+22.60		509+16.00	193.40	17.00	365.31	1.5	355.31	164.39		30.69	
W.B.	IL 133 (Mainline)	509+16.00		509+75.00	59.00	23.00	150.78	1.5	150.78	67.85		12.67	
W.B.	IL 133 (HMA SH)	61+44.00		112+78.63	5,134.63	7.00	3,993.60	1.5	3,993.60	1,797.12			335.46
W.B.	IL 133 (HMA SH)	113+62.63		153+00.00	3,937.37	7.00	3,062.40	1.5	3,052.40	1,378.08			257.24
W.B.	IL 133 (HMA SH)	153+94.10		175+30.20	2,136.10	7.00	1,661.41	1.5	1,651.41	747.64			139.56
W.B.	IL 133 (HMA SH)	176+51.50		224+76.70	4,825.20	7.00	3,752.93	1.5	3,752.93	1,688.82			315.25
W.B.	IL 133 (HMA SH)	225+66.02		230+33.45	467.43	7.00	363.56	1.5	363.56	163.60			30.54
W.B.	IL 133 (HMA SH)	231+12.15		233+12.85	200.70	7.00	156.10	1.5	156.10	70.24			13.11
W.B.	IL 133 (HMA SH)	233+96.85		238+56.20	459.35	7.00	357.27	1.5	357.27	160.77			30.01
W.B.	IL 133 (HMA SH)	239+40.30		240+63.18 (BK)	122.88	7.00	95.57	1.5	95.57	43.01			8.03
W.B.	IL 133 (HMA SH)	240+68.62 (AH)		245+98.85	530.23	7.00	412.40	1.5	412.40	185.58			34.64
W.B.	IL 133 (HMA SH)	249+83.90		264+00.00	1,416.10	7.00	1,101.41	1.5	1,101.41	495.64			92.52
W.B.	IL 133 (HMA SH)	265+42.35		305+36.10	3,993.75	7.00	3,106.25	1.5	3,106.25	1,397.81			260.93
W.B.	IL 133 (HMA SH)	306+22.85		358+32.70	5,209.85	7.00	4,052.11	1.5	4,052.11	1,823.45			340.38
W.B.	IL 133 (HMA SH)	359+18.95		386+41.20	2,722.25	7.00	2,117.31	1.5	2,117.31	952.79			177.85
W.B.	IL 133 (HMA SH)	387+28.10		440+92.25	5,364.15	7.00	4,172.12	1.5	4,172.12	1,877.45			350.46
W.B.	IL 133 (HMA SH)	442+00.00		448+18.45	618.45	7.00	481.02	1.5	431.02	216.46			40.41
W.B.	IL 133 (HMA SH)	449+43.00		453+10.40	367.40	7.00	285.76	1.5	285.76	128.59			24.00
W.B.	IL 133 (HMA SH)	453+89.30		455+44.75	155.45	7.00	120.91	1.5	120.91	54.41			10.16
W.B.	IL 133 (HMA SH)	456+17.05		457+82.35	165.30	7.00	128.57	1.5	128.57	57.85			10.80
W.B.	IL 133 (HMA SH)	458+66.65		472+41.60	1,374.95	7.00	1,069.41	1.5	1,059.41	481.23			89.83
W.B.	IL 133 (HMA SH)	473+31.60		476+13.00	281.40	7.00	218.87	1.5	218.87	98.49			18.38
W.B.	IL 133 (HMA SH)	489+45.95		495+08.95	563.00	7.00	437.89	1.5	437.89	197.05			36.78
W.B.	IL 133 (HMA SH)	495+93.60		503+64.30	770.70	6.69	572.89	1.5	572.89	257.80			48.12
W.B.	IL 133 (HMA SH)	504+48.95		504+96.25	47.30	6.80	35.74	1.5	35.74	16.08			3.00
W.B.	IL 133 (HMA SH)	504+96.25		505+61.60	65.35	5.50	39.94	1.5	39.94	17.97			3.35
TOTAL =								189,700.67	85,365.30	7,828.62	2,681.60	5424.63	
USE =								189,701.00	85,366.00	7,829.00	2,682.00	5425.00	
								SQ YD	POUND	TON	TON	TON	

ADDITIONAL QUANTITIES FOR PAY ITEM 40600290 ARE LOCATED ON SHEET 17.

MODEL: I:\MODELS\MI\F5 FILE NAME: P:\PROJECTS\70B03\CAD\DATA\CAD\Sheet0570B03-ht-schedule.dgn

USER NAME = woodst	DESIGNED -	REVISED -	<b style="text-align: center;">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.P. RTE. 749	SECTION 120RS-4	COUNTY DOUGLAS	TOTAL SHEETS 57	SHEET NO. 18	
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -			CONTRACT NO. 70B03					
PLOT DATE = 12/8/2021	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: NONE	SHEET 2 OF 9 SHEETS	STA.	TO STA.		

SCHEDULE OF QUANTITIES

INCIDENTAL HOT-MIX ASPHALT SCHEDULE

STATION	DESCRIPTION	AREA (SQ YD)	INCIDENTAL HMA THICKNESS (INCHES)	X4400196	35800100	40800025	40800029	40800050	COMMENTS
				HMA SURFACE REMOVAL, SPECIAL (SQ YD)	PREPARATION OF BASE (SQ YD)	BITUMINOUS MATERIALS PRIME COAT (POUND)	BITUMINOUS MATERIALS TACK COAT (POUND)	INCIDENTAL HMA SURFACING (TON)	
RT. 65+04.30	26' F.E.								NO WORK
RT. 65+96.35	MAIL BOX TURN OUT								NO WORK
RT. 66+80.44	14' P.E.	7.00	1.50	7.00			3.15	0.59	MATCH EXISTING
RT. 68+44.00	28' F.E.								NO WORK
RT. 73+56.35	15' P.E.	11.00	1.50	11.00			4.95	0.92	MATCH EXISTING
RT. 75+42.30	26' F.E.								NO WORK
LT. 78+73.35	15' P.E.								NO WORK
LT. 79+92.75	24' F.E.								NO WORK
RT. 80+05.80	24' F.E.								NO WORK
RT. 86+58.57	15' P.E.	12.00	1.50	12.00			5.40	1.01	MATCH EXISTING
RT. 93+26.65	24' F.E.								NO WORK
LT. 95+01.50	13' P.E.	8.00	1.50	8.00			3.60	0.67	MATCH EXISTING
LT. 98+70.84	17' P.E.	12.00	1.50	12.00			5.40	1.01	MATCH EXISTING
RT. 100+28.71	30' P.E.	15.00	3.00		15.00	33.75		2.52	3' PROPOSED APRON
RT. 108+33.20	24' P.E.	9.00	1.50	9.00			4.05	0.76	MATCH EXISTING
RT. 110+08.65	12' P.E.	24.00	2.25	18.00	6.00	13.50	8.10	3.02	10' EX/PROP APRON
RT. 113+19.90	20' N 200E RD	165.00	1.50	165.00			74.25	13.86	27' FROM EOP
LT. 113+20.60	20' N 200E RD	132.00	1.50	132.00			59.40	11.09	27' FROM EOP
RT. 114+64.10	15' P.E.	9.00	1.50	9.00			4.05	0.76	MATCH EXISTING
RT. 116+24.10	12' P.E.	7.00	1.50	7.00			3.15	0.59	MATCH EXISTING
RT. 116+65.35	32' F.E.								NO WORK
LT. 124+42.50	12' P.E.								NO WORK EXST HMA
LT. 126+36.80	12' P.E.	7.00	2.25	6.00	1.00	2.25	2.70	0.88	3' EXIST/PRO APRON
LT. 127+12.95	24' F.E.								NO WORK
RT. 138+58.48	12' F.E.	6.00	1.50	6.00			2.70	0.50	MATCH EXISTING
RT. 139+72.15	12' P.E.	7.00	1.50	7.00			3.15	0.59	MATCH EXISTING
RT. 149+00.00	28' P.E.								NO WORK
RT. 151+07.00	16' N 270E RD	162.00	2.25	154.00	8.00	18.00	69.30	20.41	27' FROM EOP
LT. 153+57.70	22' N 275E RD	166.00	1.50	166.00			74.70	13.94	27' FROM EOP
RT. 167+72.40	12' P.E.	13.00	3.00		13.00	29.25		2.18	3' PROPOSED APRON
RT. 173+33.40	34' C.E.								NO WORK
LT. 175+90.10	27' P.E.								NO WORK
RT. 186+87.40	12' P.E.	8.00	1.50	8.00			3.60	0.67	MATCH EXISTING
LT. 187+91.65	10' F.E.								NO WORK
RT. 187+94.70	21' F.E.								NO WORK
RT. 188+31.75	27' F.E.								NO WORK
RT. 192+74.00	12' P.E.	9.00	1.50	9.00			4.05	0.76	MATCH EXISTING
RT. 194+79.00	20' P.E.	10.00	1.50	10.00			4.50	0.84	MATCH EXISTING
RT. 197+70.60	20' C. E.	15.00	1.50	15.00			6.75	1.26	MATCH EXISTING
LT. 199+55.75	20' F.E.								NO WORK
RT. 199+68.00	24' C.E.								NO WORK
RT. 201+06.00	27' F.E.								NO WORK
LT. 205+73.30	38' C.E.								NO WORK
LT. 213+21.45	28' C.E.								NO WORK
LT. 216+78.30	32' P.E.								NO WORK
RT. 221+09.70	34' P.E.	13.00	1.50	13.00			5.85	1.09	MATCH EXISTING
LT. 225+23.20	18' N 400E RD	159.00	1.50	159.00			71.55	13.36	27' FROM EOP
RT. 225+53.65	16' P.E.	10.00	1.50	10.00			4.50	0.84	MATCH EXISTING
LT. 227+87.90	24' C.E.	12.00	1.50	12.00			5.40	1.01	MATCH EXISTING
RT. 228+35.00	12' P.E.	8.00	1.50	8.00			3.60	0.67	MATCH EXISTING
RT. 230+00.00	12' P.E.	8.00	1.50	8.00			3.60	0.67	MATCH EXISTING
LT. 230+70.60	18' N 410E RD	125.00	1.50	125.00			56.25	10.50	27' FROM EOP
RT. 231+66.90	12' P.E.	8.00	1.50	8.00			3.60	0.67	MATCH EXISTING
LT. 233+55.20	15' N 415E RD	128.00	1.50	128.00			57.60	10.75	27' FROM EOP

(CONTINUED ON NEXT SHEET)

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USER NAME = woodst	DESIGNED -	REVISED -
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PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	19
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

INCIDENTAL HOT-MIX ASPHALT SCHEDULE (CONTINUED)

STATION	DESCRIPTION	AREA (SQ YD)	INCIDENTAL HMA THICKNESS (INCHES)	X4400196	35800100	40800025	40800029	40800050	COMMENTS	
				HMA SURFACE REMOVAL, SPECIAL (SQ YD)	PREPARATION OF BASE (SQ YD)	BITUMINOUS MATERIALS PRIME COAT (POUND)	BITUMINOUS MATERIALS TACK COAT (POUND)	INCIDENTAL HMA SURFACING (TON)		
LT. 234+55.30	41' P.E.	26.00	1.50	26.00				11.70	2.18	MATCH EXISTING
RT. 235+75.20	14' P.E.									NO WORK
LT. 236+09.35	12' P.E.	9.00	1.50	9.00				4.05	0.76	MATCH EXISTING
LT. 237+47.02	24' P.E.	17.00	1.50	17.00				7.65	1.43	MATCH EXISTING
LT. 238+98.80	20' N 425E RD	147.00	1.50	147.00				66.15	12.35	27' FROM EOP
RT. 239+00.00	20' N 425E RD									NO WORK
RT. 239+88.05	13' P.E.	10.00	1.50	10.00				4.50	0.84	MATCH EXISTING
LT. 240+48.57	30' C.E.	80.00	1.50	80.00				36.00	6.72	26' FROM EOP
RT. 240+57.70	21' P.E.	9.00	1.50	9.00				4.05	0.76	MATCH EXISTING
RT. 241+26.90	12' P.E.	10.00	1.50	10.00				4.50	0.84	MATCH EXISTING
RT. 243+84.10	18' F.E.									NO WORK
RT. 251+54.15	12' F.E.									NO WORK
RT. 255+36.24	13' P.E.	9.00	1.50	9.00				4.05	0.76	MATCH EXISTING
RT. 257+17.59	12' P.E.	8.00	1.50	8.00				3.60	0.67	MATCH EXISTING
RT. 259+46.30	12' P.E.	7.00	1.50	7.00				3.15	0.59	MATCH EXISTING
RT. 264+68.10	16' P.E.	14.00	1.50	14.00				6.30	1.18	MATCH EXISTING
LT. 264+71.90	22' N 475E RD	272.00	1.50	272.00				122.40	22.85	27' FROM EOP
RT. 267+05.65	30' C.E.									NO WORK
RT. 281+85.70	12' P.E.	7.00	1.50	7.00				3.15	0.59	MATCH EXISTING
LT. 283+28.50	24' F.E.									NO WORK
RT. 284+52.35	15' P.E. W/MBTO	21.00	2.25	8.00	13.00	29.25		3.60	2.65	3' EX/PROPOSED W/MBTO
RT. 290+07.20	32' F.E.									NO WORK
RT. 290+81.05	24' C.E.	9.00	1.50	9.00				4.05	0.76	MATCH EXISTING
LT. 292+12.00	32' F.E.									NO WORK
LT. 305+89.70	16' N 550E RD	134.00	1.50	134.00				60.30	11.26	27' FROM EOP
RT. 305+90.00	20' N 550E RD	161.00	1.50	161.00				72.45	13.52	27' FROM EOP
RT. 309+59.45	34' F.E.									NO WORK
LT. 323+84.05	18' F.E.									NO WORK
RT. 323+98.80	27' F.E.									NO WORK
RT. 329+52.05	30' F.E.									NO WORK
LT. 346+53.10	24' P.E.									NO WORK
RT. 346+53.25	12' P.E.	6.00	1.50	6.00				2.70	0.50	MATCH EXISTING
RT. 348+01.85	12' P.E.	7.00	1.50	7.00				3.15	0.59	MATCH EXISTING
RT. 354+08.20	20' E 300N RD	175.00	1.50	175.00				78.75	14.70	27' FROM EOP
LT. 358+65.40	20' E 300N RD	154.00	1.50	154.00				69.30	12.94	27' FROM EOP
RT. 359+42.90	24' F.E.									NO WORK
RT. 373+58.60	30' C.E.									NO WORK
LT. 386+96.00	17' N 700E RD	151.00	1.50	151.00				67.95	12.68	27' FROM EOP
RT. 386+98.20	17' N 700E RD	148.00	1.50	148.00				66.60	12.43	27' FROM EOP
LT. 400+66.15	28' F.E.									NO WORK
RT. 400+88.85	28' F.E.									NO WORK
RT. 414+61.00	24' F.E.									NO WORK
RT. 436+34.10	24' F.E.									NO WORK
RT. 441+29.45	12' P.E.	9.00	1.50	9.00				4.05	0.76	MATCH EXISTING
LT. 441+51.55	20' N 800E RD	187.00	1.50	187.00				84.15	15.71	30' FROM EOP
RT. 443+52.80	22' P.E.	12.00	1.50	12.00				5.40	1.01	MATCH EXISTING
RT. 444+54.50	16' C.E.									NO WORK
LT. 448+74.70	21' W JEFFERSON ST.	200.00	1.50	200.00				90.00	16.80	27' FROM EOP
LT. 451+09.40	21' P.E.	35.00	1.50	35.00				15.75	2.94	MATCH EXISTING
LT. 451+47.90	12' P.E.	7.00	1.50	7.00				3.15	0.59	MATCH EXISTING
RT. 453+39.70	24' F.E.									NO WORK
LT. 453+46.50	20' W MAIN ST	145.00	1.50	145.00				65.25	12.18	38' FROM EOP
LT. 455+76.25	12' CITY ALLEY	104.00	1.50	104.00				46.80	8.74	24' FROM EOP
RT. 457+28.00	24' P.E.	95.00	1.50	95.00				42.75	7.98	MATCH EXISTING
LT. 458+21.00	22' W WASHINGTON ST	138.00	1.50	138.00				62.10	11.59	27' FROM EOP

(CONTINUED ON NEXT SHEET)

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USER NAME = woodst	DESIGNED -	REVISED -
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PLOT SCALE = 40,0000 */ in.	CHECKED -	REVISED -
PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	20
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

INCIDENTAL HOT-MIX ASPHALT SCHEDULE (CONTINUED)

STATION	DESCRIPTION	PROPOSED AREA (SQ YD)	INCIDENTAL HMA THICKNESS (INCHES)	X4400196 HMA SURFACE REMOVAL, SPECIAL (SQ YD)	35800100 PREPARATION OF BASE (SQ YD)	40800025 BITUMINOUS MATERIALS PRIME COAT (POUND)	40800029 BITUMINOUS MATERIALS TACK COAT (PCUND)	40800050 INCIDENTAL HMA SURFACING (TON)	COMMENTS	
LT.	460+81.00	15' P.E.	9.00	1.50	9.00			4.05	0.76	MATCH EXISTING
LT.	470+19.90	16' P.E.	12.00	1.50	12.00			5.40	1.01	MATCH EXISTING
LT.	471+08.80	15' P.E.	9.00	1.50	7.00	2.00	4.50	4.05	0.76	MATCH EXISTING
RT.	472+77.40	22' E 200N RD								NO WORK
LT.	472+80.30	20' S DIAMOND ST	166.00	1.50	166.00			74.70	13.94	20' FROM EOP
LT.	476+66.40	35' SCHOOL ENTRANCE								NO WORK
LT.	491+27.10	30' C.E.								NO WORK
RT.	493+77.15	25' C.E.								NO WORK
LT.	495+46.20	21' S ARCOLA ST	139.00	1.50	139.00			62.55	11.68	28' FROM EOP
RT.	495+49.05	24' S ARCOLA ST								NO WORK
LT.	497+64.00	24' C.E.	9.00	1.50	9.00			4.05	0.76	MATCH EXISTING
LT.	498+21.50	25' C.E.	14.00	1.50	14.00			6.30	1.18	MATCH EXISTING
LT.	499+91.10	24' C.E.	10.00	1.50	10.00			4.50	0.84	MATCH EXISTING
LT.	500+59.45	31' C.E.	13.00	1.50	11.00	2.00	4.50	5.85	1.09	EXIST/PROPOSED APRON
LT.	501+62.45	30' F.E.								NO WORK
LT.	504+01.50	12' S OKAW ST	127.00	1.50	127.00			57.15	10.67	28' FROM EOP
RT.	506+14.50	35' C.E.								NO WORK
LT.	506+19.50	20' S WALNUT ST.								NO WORK
RT.	506+87.10	34' C.E.								NO WORK
RT.	507+70.80	34' C.E.								NO WORK
LT.	507+76.25	35' C.E.								NO WORK
RT.	508+82.90	35' C.E.								NO WORK
LT.	509+06.10	24' C.E.								NO WORK
RT.	509+48.30	24' C.E.								NO WORK
RT.	510+23.20	28' S CHESTNUT ST								NO WORK
LT.	510+23.20	28' S CHESTNUT ST								NO WORK
TOTAL =					4256.00	60.00	135.00	1,917.00	373.88	
USE =					4256.00	60.00	135.00	1,917.00	374.00	
					SQ YD	SQ YD	POUND	POUND	TON	

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PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	21
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

48102100 AGGREGATE WEDGE SHOULDER, TYPE B

							48102100		
LOCATION			STATION	TO	STATION	LENGTH (FT)	WIDTH (FT)	AVE. DEPTH (INCHES)	QUANTITY TON
E.B.	IL 133	RT.	61+44.00		113+18.94	5174.94	2.00	1.00	57.50
E.B.	IL 133	RT.	113+18.94		151+07.00	3788.06	2.00	1.00	42.09
E.B.	IL 133	RT.	151+07.00		173+33.40	2226.40	2.00	1.00	24.74
E.B.	IL 133	RT.	173+33.40		239+00.00	6566.60	2.00	1.00	72.96
E.B.	IL 133	RT.	239+00.00		240+63.18 (BK)	163.18	2.00	1.00	1.81
E.B.	IL 133	RT.	240+68.62 (AH)		246+17.30	548.68	2.00	1.00	6.10
E.B.	IL 133	RT.	250+07.00		305+89.95	5582.95	2.00	1.00	62.03
E.B.	IL 133	RT.	305+89.95		354+08.20	4818.25	2.00	1.00	53.54
E.B.	IL 133	RT.	354+08.20		386+98.22	3290.02	2.00	1.00	36.56
E.B.	IL 133	RT.	386+98.22		436+90.00	4991.78	2.00	1.00	55.46
E.B.	IL 133	RT.	436+90.00		447+33.00	1043.00	1.00	1.00	5.79
E.B.	IL 133	RT.	447+33.00		457+28.00	995.00	2.00	1.00	11.06
E.B.	IL 133	RT.	457+28.00		472+77.39	1549.39	2.00	1.00	17.22
E.B.	IL 133	RT.	472+77.39		476+60.67 (BK)	383.28	2.00	1.00	4.26
E.B.	IL 133	RT.	488+87.90 (AH)		493+77.15	489.25	2.00	1.00	5.44
E.B.	IL 133	RT.	493+77.15		495+49.05	171.90	2.00	1.00	1.91
E.B.	IL 133	RT.	495+49.05		505+61.61	1012.56	2.00	1.00	11.25
W.B.	IL 133	LT.	61+44.00		113+60.63	5216.63	2.00	1.00	57.96
W.B.	IL 133	LT.	113+60.63		153+57.70	3997.07	2.00	1.00	44.41
W.B.	IL 133	LT.	153+57.70		175+90.10	2232.40	2.00	1.00	24.80
W.B.	IL 133	LT.	175+90.10		205+73.30	2983.20	2.00	1.00	33.15
W.B.	IL 133	LT.	205+73.30		213+21.44	748.14	2.00	1.00	8.31
W.B.	IL 133	LT.	213+21.44		225+23.21	1201.77	2.00	1.00	13.35
W.B.	IL 133	LT.	225+23.21		230+70.63	547.42	2.00	1.00	6.08
W.B.	IL 133	LT.	230+70.63		233+55.20	284.57	2.00	1.00	3.16
W.B.	IL 133	LT.	233+55.20		238+98.80	543.60	2.00	1.00	6.04
W.B.	IL 133	LT.	238+98.80		240+63.18 (BK)	164.38	2.00	1.00	1.83
W.B.	IL 133	LT.	240+68.62 (AH)		245+94.30	525.68	2.00	1.00	5.84
W.B.	IL 133	LT.	249+84.00		264+71.90	1487.90	2.00	1.00	16.53
W.B.	IL 133	LT.	264+71.90		305+89.70	4117.80	2.00	1.00	45.75
W.B.	IL 133	LT.	305+89.70		358+65.38	5275.68	2.00	1.00	58.62
W.B.	IL 133	LT.	358+65.38		386+96.05	2830.67	2.00	1.00	31.45
W.B.	IL 133	LT.	386+96.05		436+90.00	4993.95	2.00	1.00	55.49
W.B.	IL 133	LT.	436+90.00		441+51.54	461.54	1.00	1.00	2.56
W.B.	IL 133	LT.	441+51.54		447+33.00	581.46	1.00	1.00	3.23
W.B.	IL 133	LT.	447+33.00		448+74.72	141.72	2.00	1.00	1.57
W.B.	IL 133	LT.	448+74.72		451+09.37	234.65	2.00	1.00	2.61
W.B.	IL 133	LT.	451+09.37		453+46.54	237.17	2.00	1.00	2.64
W.B.	IL 133	LT.	453+46.54		455+76.23	229.69	2.00	1.00	2.55
W.B.	IL 133	LT.	455+76.23		458+21.00	244.77	2.00	1.00	2.72
W.B.	IL 133	LT.	458+21.00		472+80.30	1459.30	2.00	1.00	16.21
W.B.	IL 133	LT.	472+80.30		476+60.67 (BK)	380.37	2.00	1.00	4.23
W.B.	IL 133	LT.	488+87.90 (AH)		488+93.67	5.77	2.00	1.00	0.06
W.B.	IL 133	LT.	488+93.67		495+46.20	652.53	2.00	1.00	7.25
W.B.	IL 133	LT.	495+46.20		503+01.50	755.30	2.00	1.00	8.39
W.B.	IL 133	LT.	503+01.50		505+61.61	260.11	2.00	1.00	2.89
TOTAL =								939.42	
USE =								940.00	
								TON	

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USER NAME = woodst	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	22
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

GUARDRAIL SCHEDULE

LOCATION	STATION	OFFSET (FT)		STATION	OFFSET (FT)		63200310	63000001	63100085	63100167	72501000	78200005
							GUARDRAIL REMOVAL (FT)	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FT. POSTS (FT)	TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT (EACH)	TERMINAL MARKER DIRECT APPLIED (EACH)	GUARDRAIL REFLECTOR, TYPE A (EACH)
S.N. 021-0059	244+23.86	RT.	21.7	246+49.59	RT.	20.6	226.0					
	244+21.99	RT.	21.3	244+71.99	RT.	20.5			1.0	1.0	1.0	
	244+71.99	RT.	20.5	246+09.49	RT.	20.5		137.5				2.0
	246+09.49	RT.	20.5	246+46.99	RT.	20.5			1.0			1.0
	249+74.95	RT.	20.6	251+11.05	RT.	21.6	136.0					
	249+77.35	RT.	20.5	250+14.85	RT.	20.5			1.0			1.0
	250+14.85	RT.	20.5	250+64.85	RT.	20.5		50.0				2.0
	250+64.85	RT.	20.5	251+14.85	RT.	21.3			1.0	1.0		1.0
	244+78.60	LT.	22.0	246+26.51	LT.	20.5	148.0					
	244+73.84	LT.	21.3	245+23.84	LT.	20.5			1.0	1.0		1.0
	245+23.84	LT.	20.5	245+86.34	LT.	20.5		62.5				2.0
	245+86.34	LT.	20.5	246+23.84	LT.	20.5			1.0			1.0
	249+51.28	LT.	20.4	251+72.98	LT.	21.2	222.0					
	249+53.87	LT.	20.5	249+91.37	LT.	20.5			1.0			1.0
	249+91.37	LT.	20.5	251+28.87	LT.	20.5		137.5				2.0
	251+28.87	LT.	20.5	251+78.87	LT.	21.3			1.0	1.0		1.0
TOTAL =							732.0 (FT)	387.5 (FT)	4.0 (EACH)	4.0 (EACH)	4.0 (EACH)	16.0 (EACH)

64200108 SHOULDER RUMBLE STRIPS, 8 INCH

LOCATION				STATION	TO	STATION	64200108 SHOULDER RUMBLE STRIPS, 8IN QUANTITY (FT)
E.B.	RT.	IL 133		61+44.00		112+61.84	5,117.84
E.B.	RT.	IL 133		113+60.57		150+70.55	3,709.98
E.B.	RT.	IL 133		151+62.50		172+89.63	2,127.13
E.B.	RT.	IL 133		173+78.45		240+63.18 (BK)	6,684.73
E.B.	RT.	IL 133		240+68.62 (AH)		246+13.16	544.54
E.B.	RT.	IL 133		250+03.17		305+58.67	5,555.50
E.B.	RT.	IL 133		306+45.31		353+50.40	4,705.09
E.B.	RT.	IL 133		354+45.75		386+64.95	3,219.20
E.B.	RT.	IL 133		387+55.54		436+90.00	4,934.46
W.B.	LT.	IL 133		61+44.00		112+78.63	5,134.63
W.B.	LT.	IL 133		113+62.63		153+00.00	3,937.37
W.B.	LT.	IL 133		153+94.30		175+29.24	2,134.94
W.B.	LT.	IL 133		176+51.50		224+76.70	4,825.20
W.B.	LT.	IL 133		225+66.02		230+33.43	467.41
W.B.	LT.	IL 133		231+12.14		233+12.85	200.71
W.B.	LT.	IL 133		233+96.88		238+56.20	459.32
W.B.	LT.	IL 133		239+40.30		240+63.18 (BK)	122.88
W.B.	LT.	IL 133		240+68.62 (AH)		245+98.24	529.62
W.B.	LT.	IL 133		249+88.14		263+98.69	1,410.55
W.B.	LT.	IL 133		265+42.35		305+36.10	3,993.75
W.B.	LT.	IL 133		306+22.84		358+32.68	5,209.84
W.B.	LT.	IL 133		359+18.93		386+41.18	2,722.25
W.B.	LT.	IL 133		387+28.10		436+90.00	4,961.90
TOTAL =							72,708.84
USE =							72,709.00
							FOOT

70300100 SHORT TERM PAVEMENT MARKING

70300150 SHORT TERM PAVEMENT MARKING REMOVAL

LOCATION		STATION	TO	STATION	70300100 QUANTITY (FT)	APPLY AFTER	COLOR	70300150 QUANTITY (SQ FT)
E.B.	IL 133	SKIP-DASH	61+44.00	240+63.18 (BK)	3,584.00	MILLING & HMA SURFACE	YELLOW	597.33
E.B.	IL 133	SKIP-DASH	240+68.62 (AH)	246+05.70	120.00	MILLING & HMA SURFACE	YELLOW	20.00
E.B.	IL 133	SKIP-DASH	249+95.45	476+60.67 (BK)	4,536.00	MILLING & HMA SURFACE	YELLOW	756.00
E.B.	IL 133	SKIP-DASH	488+87.90 (AH)	509+75.00	432.00	MILLING & HMA SURFACE	YELLOW	72.00
E.B.	IL 133	LT TURN	508+92.00	509+75.00	32.00	MILLING & HMA SURFACE	WHITE	5.33
E.B.	IL 133	SHOULDER	61+44.00	240+63.18 (BK)	720.00	MILLING & HMA SURFACE	WHITE	120.00
E.B.	IL 133	SHOULDER	240+68.62 (AH)	246+13.20	32.00	MILLING & HMA SURFACE	WHITE	5.33
E.B.	IL 133	SHOULDER	250+03.25	476+60.67 (BK)	912.00	MILLING & HMA SURFACE	WHITE	152.00
E.B.	IL 133	SHOULDER	488+87.90 (AH)	505+61.61	80.00	MILLING & HMA SURFACE	WHITE	13.33
W.B.	IL 133	SHOULDER	61+44.00	240+63.18 (BK)	720.00	MILLING & HMA SURFACE	WHITE	120.00
W.B.	IL 133	SHOULDER	240+68.62 (AH)	245+98.28	32.00	MILLING & HMA SURFACE	WHITE	5.33
W.B.	IL 133	SHOULDER	249+88.29	476+60.67 (BK)	912.00	MILLING & HMA SURFACE	WHITE	152.00
W.B.	IL 133	SHOULDER	488+87.90 (AH)	505+61.61	80.00	MILLING & HMA SURFACE	WHITE	13.33
TOTAL =					12,192.00			TOTAL = 2,032.00
USE =					12,192.00			USE = 2,032.00
					FT			SQ FT

NOTE:
SHORT TERM PAVEMENT MARKINGS WILL BE REMOVED FROM THE FINAL SURFACE ONLY.

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USER NAME = woodst	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE: NONE	SHEET 7	OF 9 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	23
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

78001110 PAINT PAVEMENT MARKING - LINE 4"

70300221 TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT

LOCATION				STATION	TO	STATION	78001110 QUANTITY (FT)	70300221 QUANTITY (FT)	COLOR
E.B.	CL.	SKIP DASH		61+44.00		223+92.65	4,070.00	4,070.00	YELLOW
E.B.	CL.	SKIP DASH		224+28.25		240+63.18 (BK)	410.00	410.00	YELLOW
E.B.	CL.	SKIP DASH	(AH)	240+68.62		439+10.90	4,970.00	4,970.00	YELLOW
E.B.	CL.	SKIP DASH		441+58.05		476+60.67 (BK)	880.00	880.00	YELLOW
E.B.	CL.	SKIP DASH	(AH)	488+87.90		506+86.00	450.00	450.00	YELLOW
E.B.	RT.	EOP		61+44.00		112+79.50	5,135.50	5,135.50	WHITE
E.B.	RT.	EOP		113+41.20		150+76.15	3,734.95	3,734.95	WHITE
E.B.	RT.	EOP		151+42.60		238+64.45	8,721.85	8,721.85	WHITE
E.B.	RT.	EOP		239+53.45		240+63.18 (BK)	109.73	109.73	WHITE
E.B.	RT.	EOP	(AH)	240+68.62		305+65.25	6,496.63	6,496.63	WHITE
E.B.	RT.	EOP		306+28.60		353+66.40	4,737.80	4,737.80	WHITE
E.B.	RT.	EOP		354+31.00		386+78.00	3,247.00	3,247.00	WHITE
E.B.	RT.	EOP		387+36.85		472+36.50	8,499.65	8,499.65	WHITE
E.B.	RT.	EOP		473+40.95		476+60.67 (BK)	319.72	319.72	WHITE
E.B.	RT.	EOP	(AH)	488+87.90		505+61.61	1,673.71	1,673.71	WHITE
W.B.	LT.	EOP		61+44.00		112+96.80	5,152.80	5,152.80	WHITE
W.B.	LT.	EOP		113+44.45		153+18.40	3,973.95	3,973.95	WHITE
W.B.	LT.	EOP		153+79.10		224+83.40	7,104.30	7,104.30	WHITE
W.B.	LT.	EOP		225+48.70		230+47.92	499.22	499.22	WHITE
W.B.	LT.	EOP		230+95.85		233+32.75	236.90	236.90	WHITE
W.B.	LT.	EOP		233+81.50		238+76.45	494.95	494.95	WHITE
W.B.	LT.	EOP		239+22.60		240+63.18 (BK)	140.58	140.58	WHITE
W.B.	LT.	EOP	(AH)	240+68.62		264+07.75	2,339.13	2,339.13	WHITE
W.B.	LT.	EOP		265+26.50		305+55.70	4,029.20	4,029.20	WHITE
W.B.	LT.	EOP		306+00.00		358+43.75	5,243.75	5,243.75	WHITE
W.B.	LT.	EOP		359+03.55		386+57.40	2,753.85	2,753.85	WHITE
W.B.	LT.	EOP		387+17.35		441+30.05	5,412.70	5,412.70	WHITE
W.B.	LT.	EOP		441+80.30		448+41.60	661.30	661.30	WHITE
W.B.	LT.	EOP		449+19.05		453+25.70	406.65	406.65	WHITE
W.B.	LT.	EOP		453+77.50		457+96.38	418.88	418.88	WHITE
W.B.	LT.	EOP		458+48.59		472+49.30	1,400.71	1,400.71	WHITE
W.B.	LT.	EOP		473+09.35		476+60.67 (BK)	351.32	351.32	WHITE
W.B.	LT.	EOP	(AH)	488+87.90		495+27.40	639.50	639.50	WHITE
W.B.	LT.	EOP		495+76.60		503+79.60	803.00	803.00	WHITE
W.B.	LT.	EOP		504+24.80		505+61.61	136.81	136.81	WHITE
E.B.	RT.	NO PASS		217+59.30		224+28.25	668.95	668.95	YELLOW
E.B.	RT.	NO PASS		428+95.95		441+58.05	1,262.10	1,262.10	YELLOW
W.B.	LT	NO PASS		223+92.65		237+15.95	1,323.30	1,323.30	YELLOW
W.B.	LT	NO PASS		439+10.90		454+39.70	1,528.80	1,528.80	YELLOW
TOTAL =							100,439.19	100,439.19	
USE =							100,440.00	100,440.00	

78000100 THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS

78011000 GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS

70300211 TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS - PAINT

LOCATION				STATION	SYMBOL	78000100 QUANTITY (SQ FT)	78011000 QUANTITY (SQ FT)	70300211 QUANTITY (SQ FT)
IL 133	RT.	508+92.00	LT. TURN		15.60	15.60	15.60	
IL 133	RT.	509+34.00	LT. TURN		15.60	15.60	15.60	
IL 133	RT.	509+76.00	LT. TURN		15.60	15.60	15.60	
TOTAL =						46.80	46.80	46.80
USE =						47.00	47.00	47.00
						SQ FT	SQ FT	SQ FT

78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"

78011025 GROOVING FOR RECESSED PAVEMENT MARKING 5"

70300221 TEMPORARY PAVEMENT MARKING - LINE - 4" PAINT

LOCATION				STATION	TO	STATION	78000200 QUANTITY (FT)	78011025 QUANTITY (FT)	70300221 QUANTITY (FT)	COLOR
E.B.	RT.	LT. TURN LANE		508+92.00		509+95.00	103.00	103.00	103.00	WHITE
E.B.	C.L.	MEDIAN		506+86.00		507+26.00	80.00	80.00	80.00	YELLOW
E.B.	C.L.	MEDIAN		507+26.00		508+85.00	636.00	636.00	636.00	YELLOW
E.B.	C.L.	MEDIAN		508+85.00		509+95.00	220.00	220.00	220.00	YELLOW
TOTAL =							1039.00	1039.00	1039.00	
USE =							1039.00	1039.00	1039.00	
							FT	FT	FT	

78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6"

78011035 GROOVING FOR RECESSED PAVEMENT MARKING 7"

70300241 TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT

LOCATION			STATION	OFFSET (FT)	78000400 QUANTITY (FT)	78011035 QUANTITY (FT)	70300241 QUANTITY (FT)	COLOR
IL 133 at ARCOLA ST	CROSS WALK		495+17.25		40.5	40.5	40.5	WHITE
IL 133 at ARCOLA ST	CROSS WALK		495+23.25		43.5	43.5	43.5	WHITE
TOTAL =					84.0	84.0	84.0	
					FT	FT	FT	

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USER NAME = woodst	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	24
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

XZ193400 SURVEY MARKER, TYPE 2 (SPECIAL)
 Z0070100 SURVEY MONUMENT COVER ASSEMBLY

LOCATION	STATION	OFFSET (FT)	TYPE	XZ193400 QUANTITY (EACH)	Z0070100 QUANTITY (EACH)
IL 133	66+04.87	C.L.	0.00	P.I.	1.0
IL 133	86+64.50	RT	10.94	SECTION CORNER	1.0
IL 133	145+07.80	C.L.	0.00	P.C.	1.0
IL 133	155+01.95	LT	0.00	P.T.	1.0
IL 133	210+24.86	C.L.	0.00	P.C.	1.0
IL 133	219+69.24	C.L.	0.00	P.T.	1.0
IL 133	220+99.12	C.L.	0.00	P.C.	1.0
IL 133	228+39.96	C.L.	0.00	P.T.	1.0
IL 133	240+63.18 (BK)	C.L.	0.00	P.T./STA. EQ.	1.0
IL 133	250+15.66	C.L.	0.00	P.C.	1.0
IL 133	257+93.24	C.L.	0.00	P.T.	1.0
IL 133	258+93.35	C.L.	0.00	P.I.	1.0
IL 133	279+97.82	C.L.	0.00	P.I.	1.0
IL 133	346+64.14	C.L.	0.00	P.C.	1.0
IL 133	351+98.62	RT	2.57	P.I.	1.0
IL 133	357+33.07	C.L.	0.00	P.R.C	1.0
IL 133	362+12.62	LT	2.31	P.I.	1.0
IL 133	366+92.14	C.L.	0.00	P.T.	1.0
IL 133	382+99.08	C.L.	0.00	P.I.	1.0
IL 133	400+76.30	C.L.	0.00	P.I.	1.0
IL 133	437+10.21	C.L.	0.00	P.C.	1.0
IL 133	445+15.18	C.L.	0.00	P.T.	1.0
IL 133	460+70.98	C.L.	0.00	P.C.	1.0
IL 133	476+60.67 (BK)	C.L.	0.00	P.T./STA. EQ.	1.0
IL 133	505+15.77	C.L.	0.00	SECT CORNER/P.I.	1.0
TOTAL =				17.0	8.0
				EACH	EACH

78100100 RAISED REFLECTIVE PAVEMENT MARKER
 78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

LOCATION	STATION	TO	STATION	LENGTH (FT)	78100100 TWO-WAY AMBER QUANTITY (EACH)	78100100 ONE-WAY CRYSTAL QUANTITY (EACH)	78300200 RRP REMOVAL QUANTITY (EACH)
E.B.	C.L.	SKIP DASH	61+44.00	240+63.18 (BK)	17919.18	225.00	225.00
E.B.	C.L.	SKIP DASH	240+68.62 (AH)	246+05.75	537.13	8.00	8.00
E.B.	C.L.	SKIP DASH	249+95.45	439+10.90	18915.45	238.00	238.00
E.B.	C.L.	DOUBLE NO PASS	439+10.90	441+58.07	247.17	6.00	6.00
E.B.	C.L.	SKIP DASH	441+58.07	476+60.67 (BK)	3502.60	45.00	45.00
E.B.	C.L.	SKIP DASH	488+87.90 (AH)	506+86.00	1798.10	24.00	24.00
E.B.	C.L.	MEDIAN	506+86.00	508+85.00	199.00	10.00	10.00
E.B.	C.L.	MEDIAN	508+85.00	509+95.00	110.00	6.00	6.00
E.B.	RT.	LT. TURN LANE	508+92.00	509+95.00	103.00	4.00	4.00
E.B.	RT.	EOP	210+24.86	228+39.96	1815.10	47.00	47.00
E.B.	RT.	EOP	437+10.21	445+15.18	804.97	22.00	22.00
E.B.	RT.	EOP	460+70.98	476+60.67	1589.69	41.00	41.00
W.B.	LT.	EOP	210+24.86	228+39.96	1815.10	47.00	47.00
W.B.	LT.	EOP	437+10.21	445+15.18	804.97	22.00	22.00
W.B.	LT.	EOP	460+70.98	476+60.67	1589.69	41.00	41.00
TOTAL =					562.00	224.00	786.00
					EACH	EACH	EACH

78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"
 78011065 GROOVING FOR RECESSED PAVEMENT MARKING 13"
 70300261 TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT

LOCATION	STATION	STATION	78000600 QUANTITY (FT)	78011065 QUANTITY (FT)	70300261 QUANTITY (FT)	COLOR	
IL 133	MEDIAN	507+26.00	508+85.00	28.0	28.0	28.0	YELLOW
IL 133	CROSSWALK	495+20.54		77.0	77.0	77.0	WHITE
TOTAL =			105.0	105.0	105.0		
			FT	FT	FT		

78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"
 78011125 GROOVING FOR RECESSED PAVEMENT MARKING 25"
 70300281 TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT

LOCATION	STATION	78000650 QUANTITY (FT)	78011125 QUANTITY (FT)	70300281 QUANTITY (FT)
IL 133 STOP BAR	RT.	509+95.00	25.0	25.0
IL 133 RT TURN STOP BAR	RT.	509+95.00	8.0	8.0
TOTAL =		33.0	33.0	33.0
		FT	FT	FT

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	DRAWN -	REVISED -
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PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

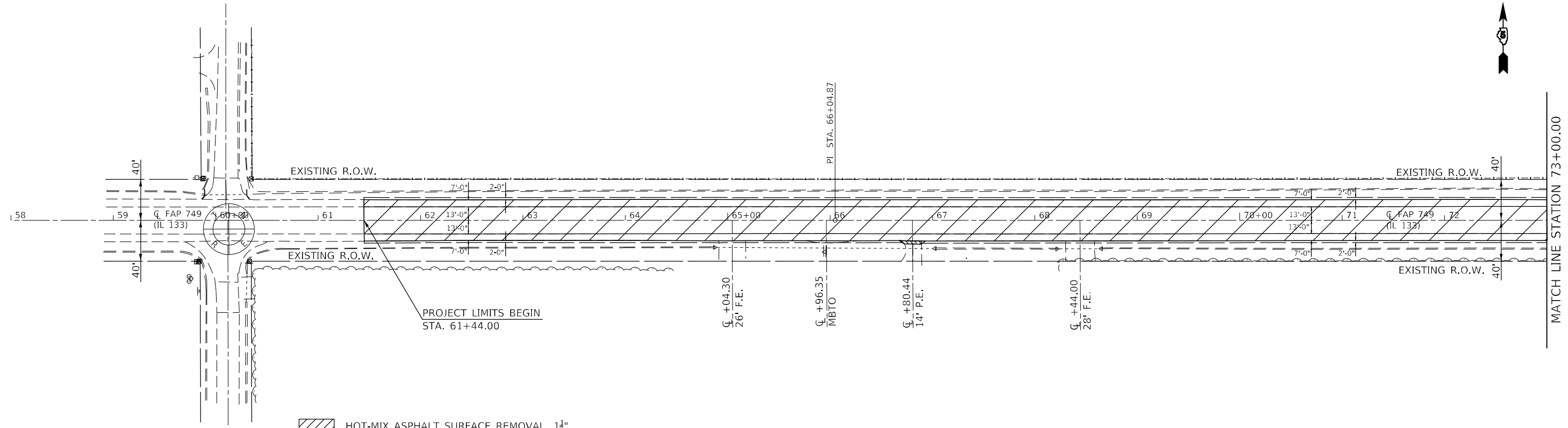
SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	25
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

SEC 30, T. 15 N, R. 7E, 3RD P.M. $\bar{C} +09.90$
24' N 100E RD

SEC 29, T. 15 N, R. 7E, 3RD P.M.



SEC 31, T. 15 N, R. 7E, 3RD P.M. $\bar{C} +09.90$
24' N 100E RD

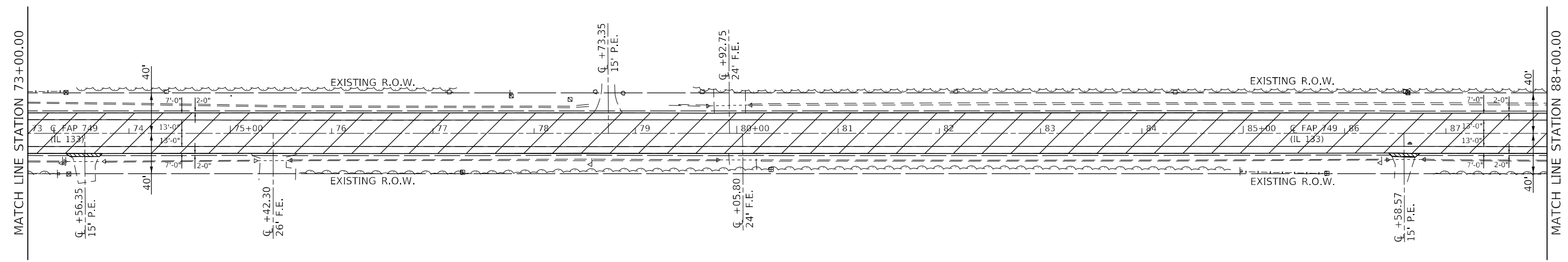
SEC 32, T. 15 N, R. 7E, 3RD P.M.

- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

PROJECT LIMITS BEGIN
STA. 61+44.00

MATCH LINE STATION 73+00.00

SEC 29, T. 15 N, R. 7E, 3RD P.M.



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

SEC 32, T. 15 N, R. 7E, 3RD P.M.

MATCH LINE STATION 88+00.00

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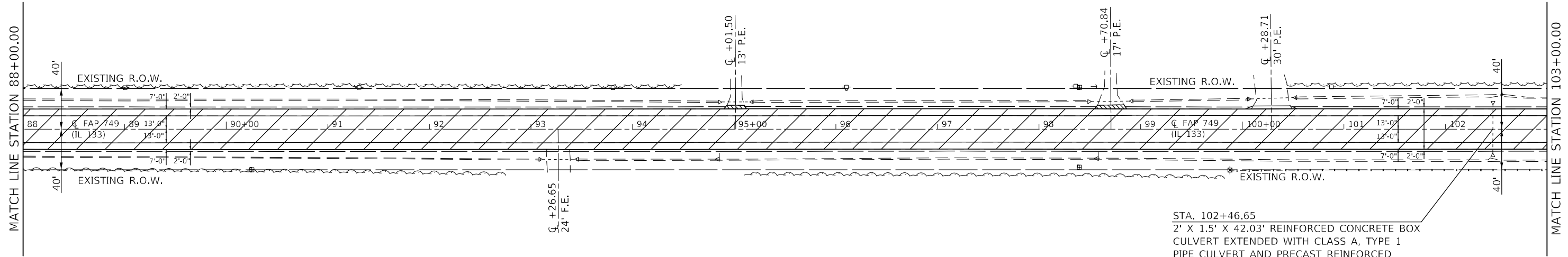
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	DRAWN -	REVISED -
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PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILL 133 Double Plan Sheet

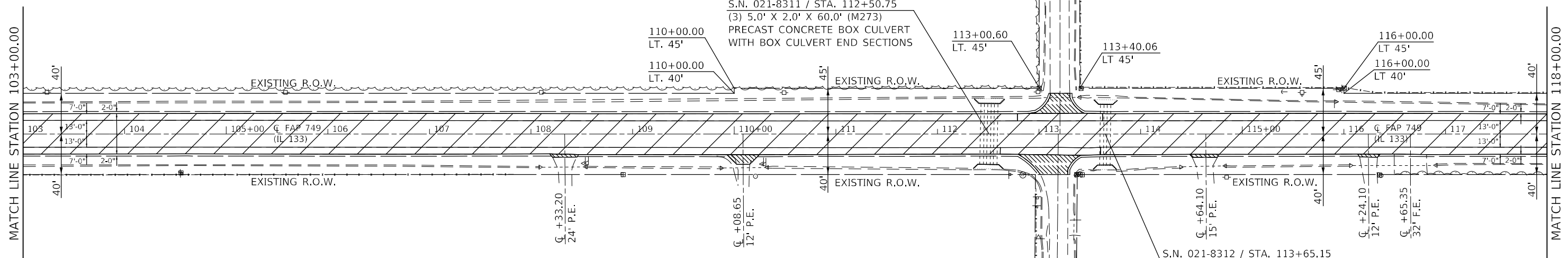
SCALE: SHEET 1 OF 15 SHEETS STA. 58+00.00 TO STA. 88+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	26
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				



STA. 102+46.65
 2' X 1.5' X 42.03' REINFORCED CONCRETE BOX
 CULVERT EXTENDED WITH CLASS A, TYPE 1
 PIPE CULVERT AND PRECAST REINFORCED
 CONCRETE FLARED END SECTIONS

- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)



S.N. 021-8312 / STA. 113+65.15
 (2) 5.0' X 2.0' X 60.0' (M273)
 PRECAST CONCRETE BOX CULVERT
 WITH BOX CULVERT END SECTIONS

- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

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USER NAME = woodst	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 12/8/2021	DATE -	REVISED -

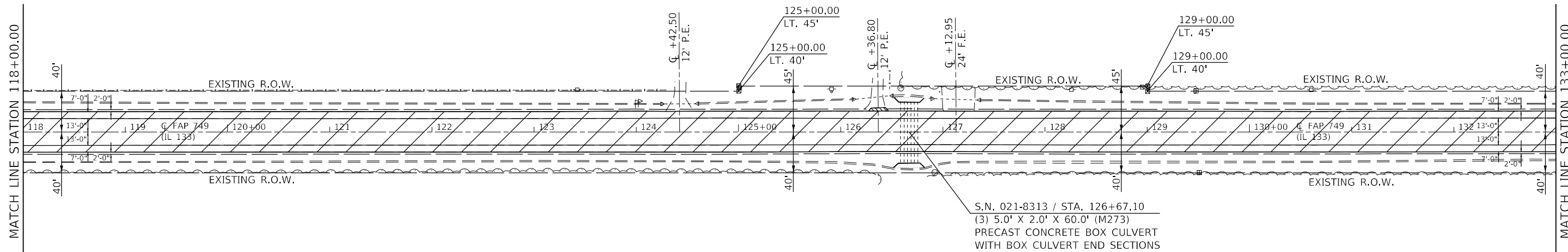
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ILL 133 Double Plan Sheet

SCALE: SHEET 2 OF 15 SHEETS STA. 88+00.00 TO STA. 118+00.00

F.A.P. RTE. 749	SECTION 120RS-4	COUNTY DOUGLAS	TOTAL SHEETS 57	SHEET NO. 27
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

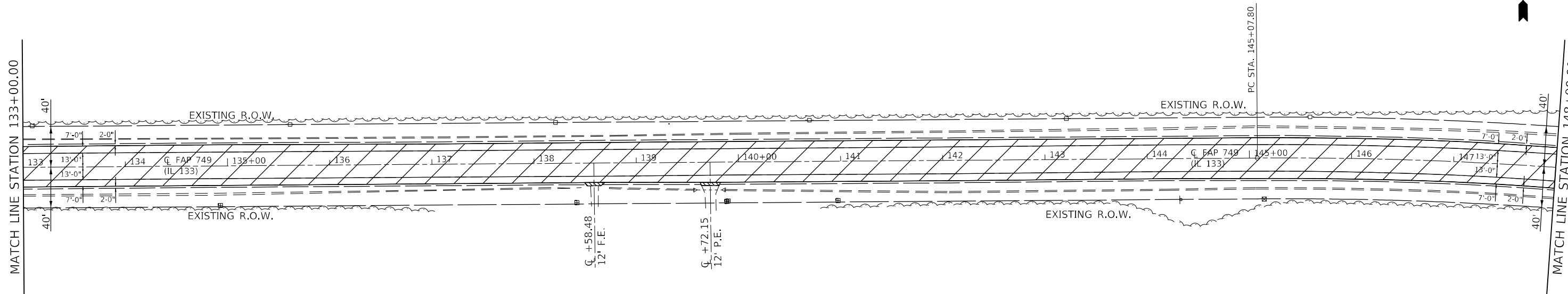
SEC 28, T. 15 N, R.7E, 3RD P.M.



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

SEC 33, T. 15 N, R.7E, 3RD P.M.

SEC 28, T. 15 N, R.7E, 3RD P.M.



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

SEC 33, T. 15 N, R.7E, 3RD P.M.

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 SHEET: 3 OF 15

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

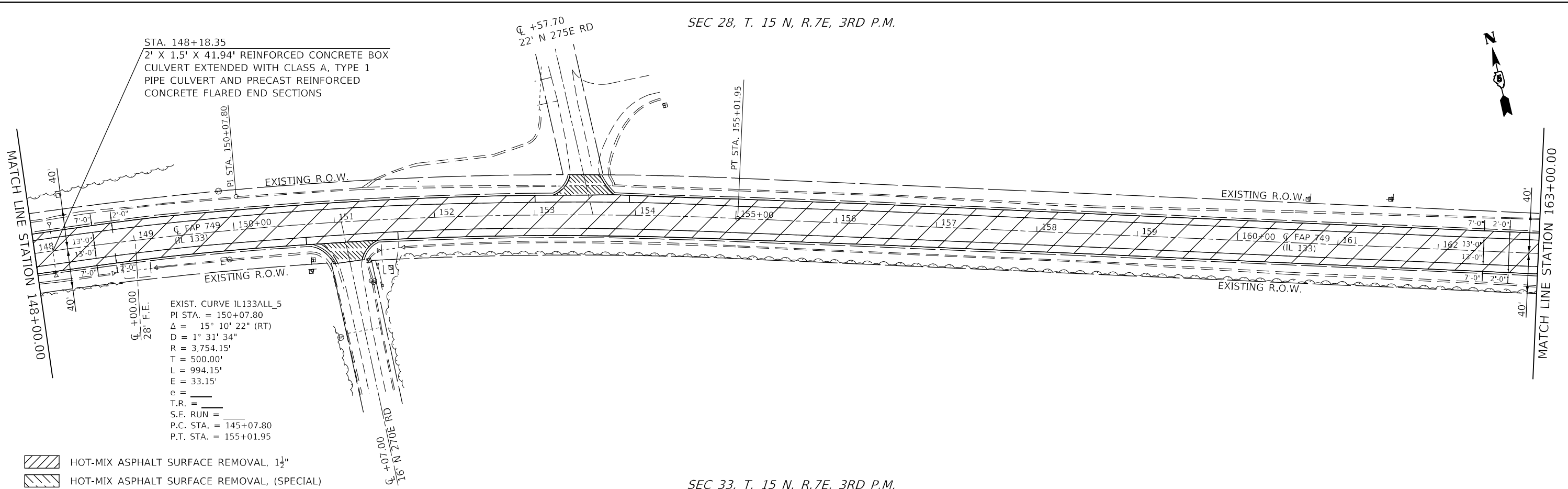
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILL 133 Double Plan Sheet

SCALE: SHEET 3 OF 15 SHEETS STA. 118+00.00 TO STA. 148+00.00

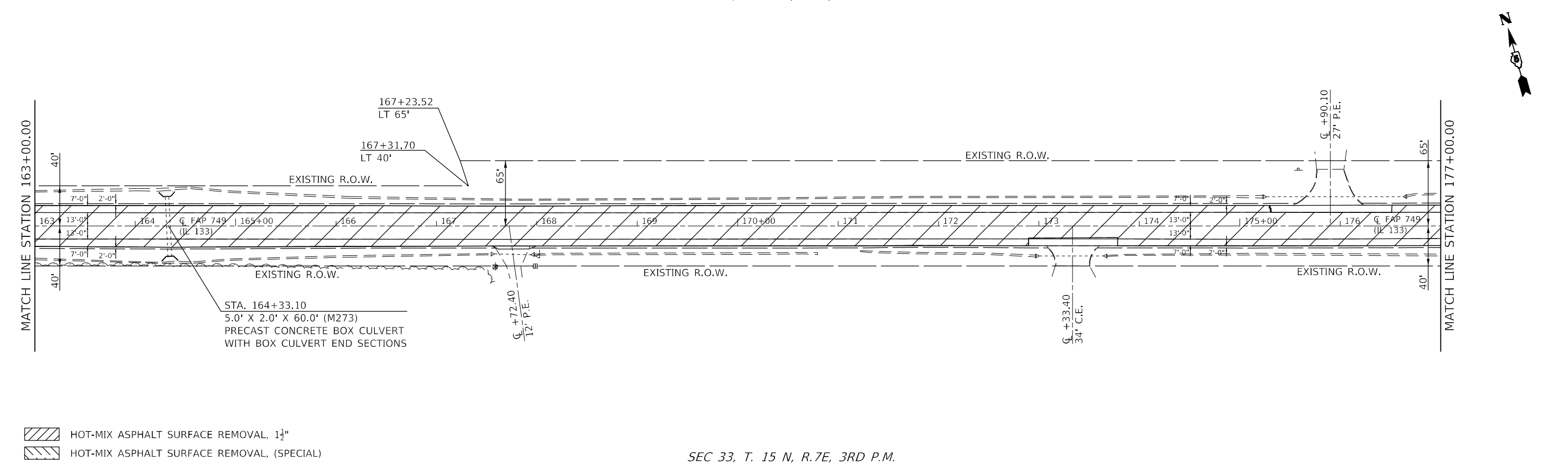
P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	28
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

SEC 28, T. 15 N, R.7E, 3RD P.M.



SEC 33, T. 15 N, R.7E, 3RD P.M.

SEC 33, T. 15 N, R.7E, 3RD P.M.



SEC 33, T. 15 N, R.7E, 3RD P.M.

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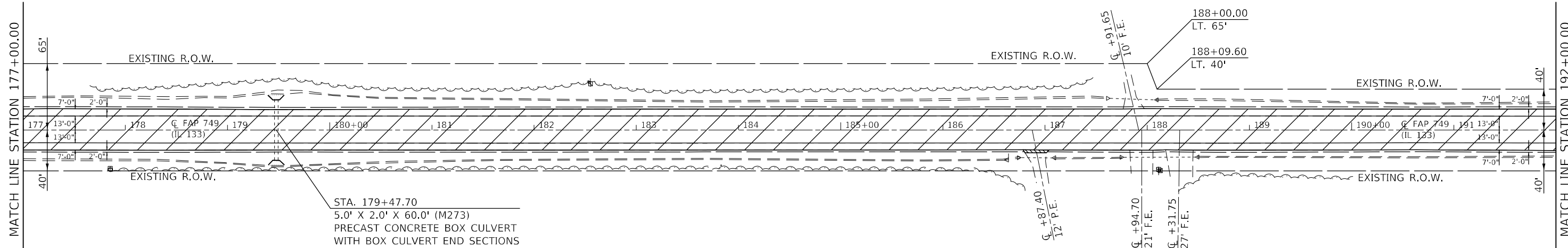
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILL 133 Double Plan Sheet

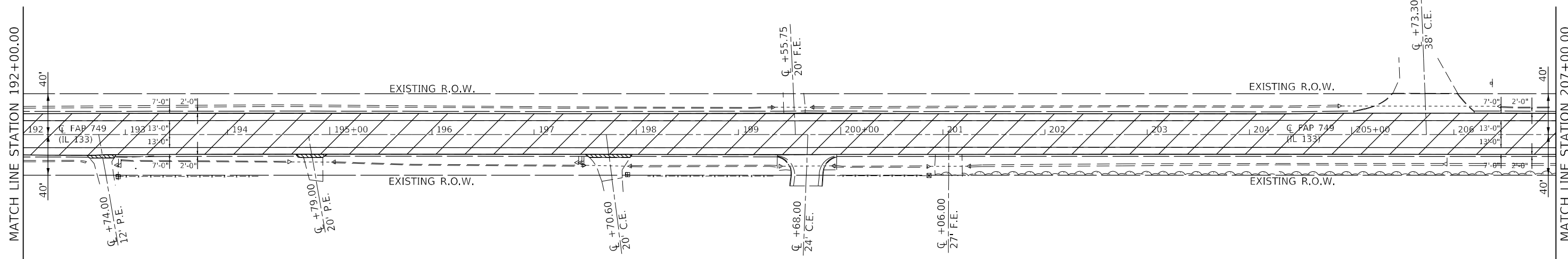
SCALE: SHEET 4 OF 15 SHEETS STA. 148+00.00 TO STA. 177+00.00

F.A.P. RTE. 749	SECTION 120RS-4	COUNTY DOUGLAS	TOTAL SHEETS 57	SHEET NO. 29
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				



STA. 179+47.70
 5.0' X 2.0' X 60.0' (M273)
 PRECAST CONCRETE BOX CULVERT
 WITH BOX CULVERT END SECTIONS

- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

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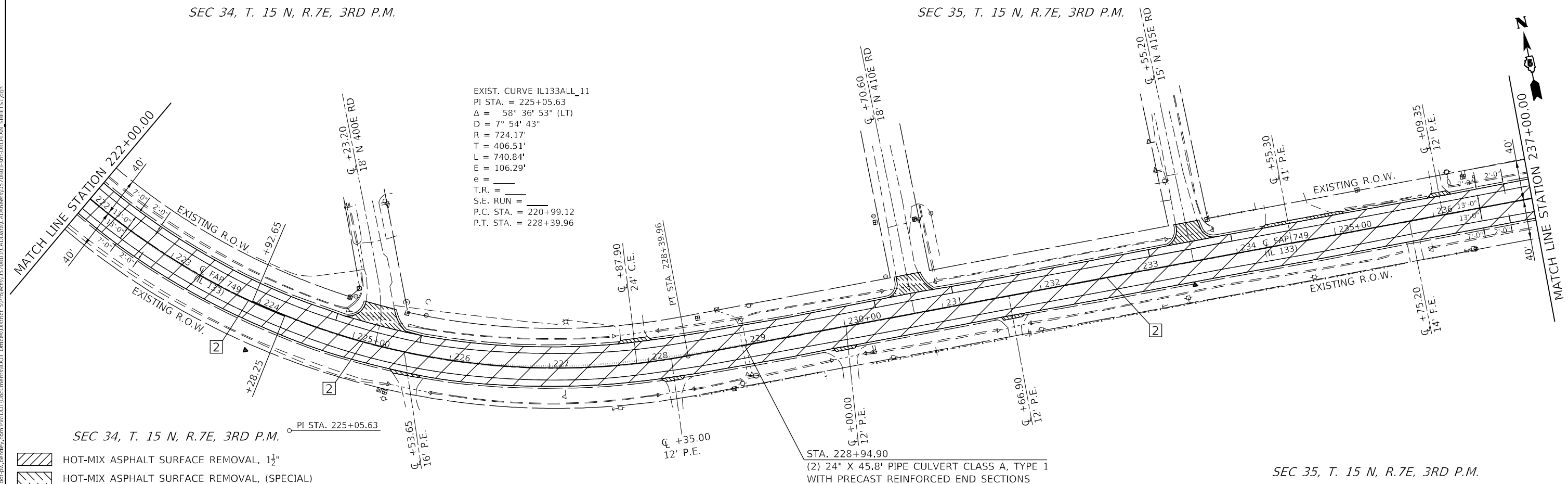
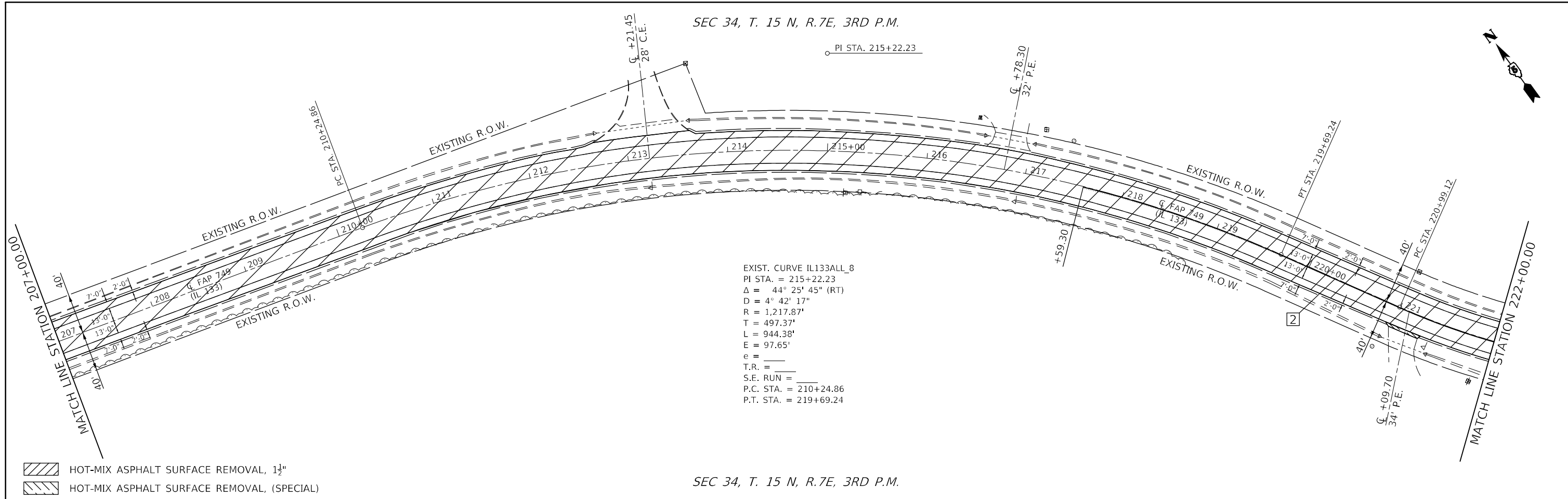
USER NAME = woodst	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

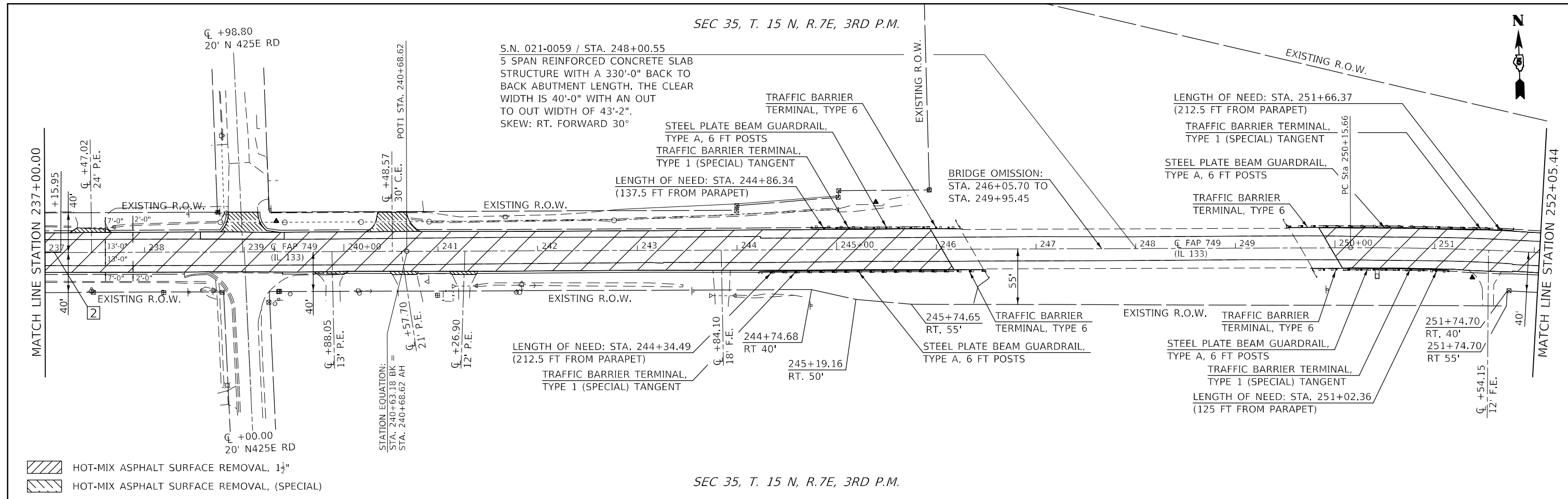
ILL 133 Double Plan Sheet

SCALE: SHEET 5 OF 15 SHEETS STA. 177+00.00 TO STA. 207+00.00

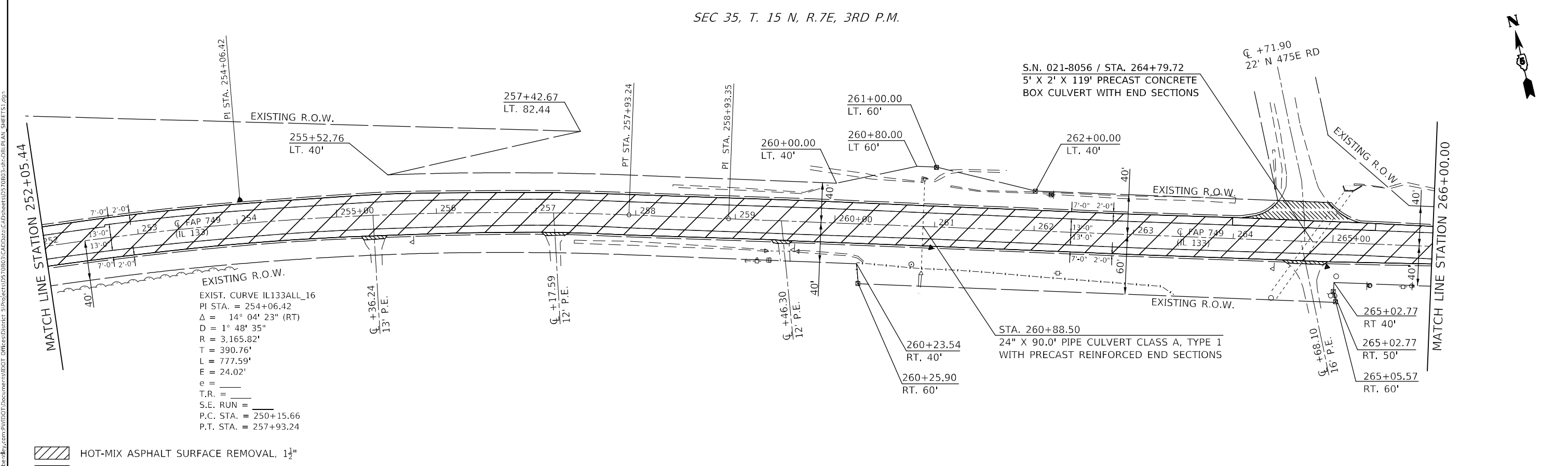
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	30
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				



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SEC 35, T. 15 N, R.7E, 3RD P.M.

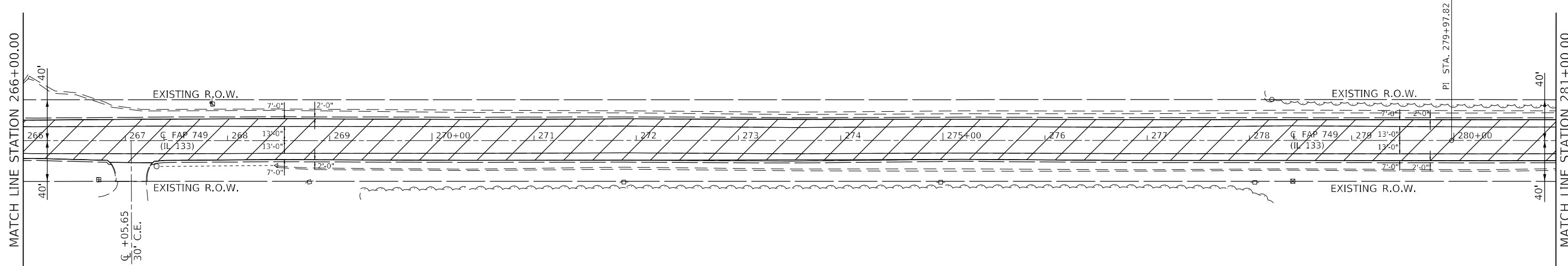


SEC 35, T. 15 N, R.7E, 3RD P.M.

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SCALE: SHEET 7 OF 15 SHEETS STA. 237+00.00 TO STA. 266+00.00						ILLINOIS FED. AID PROJECT					

SEC 35, T. 15 N, R. 7E, 3RD P.M.

SEC 36, T. 15 N, R. 7E, 3RD P.M.

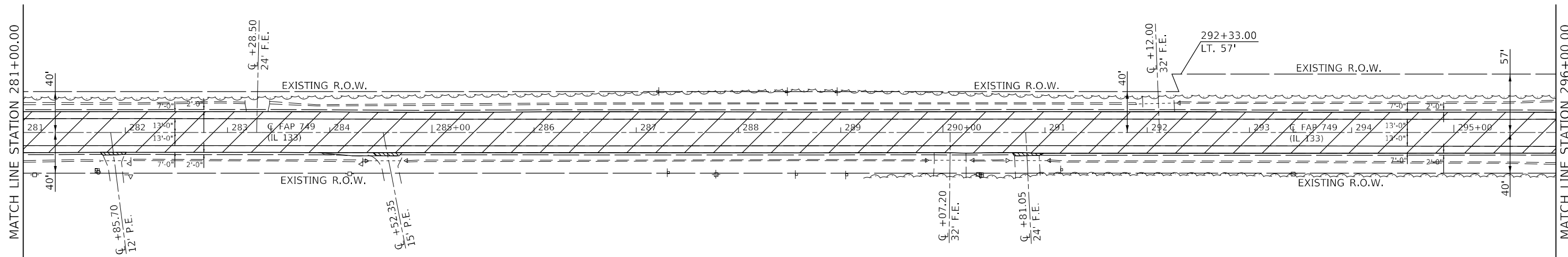


SEC 35, T. 15 N, R. 7E, 3RD P.M.

- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

SEC 36, T. 15 N, R. 7E, 3RD P.M.

SEC 36, T. 15 N, R. 7E, 3RD P.M.



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

SEC 36, T. 15 N, R. 7E, 3RD P.M.

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PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILL 133 Double Plan Sheet

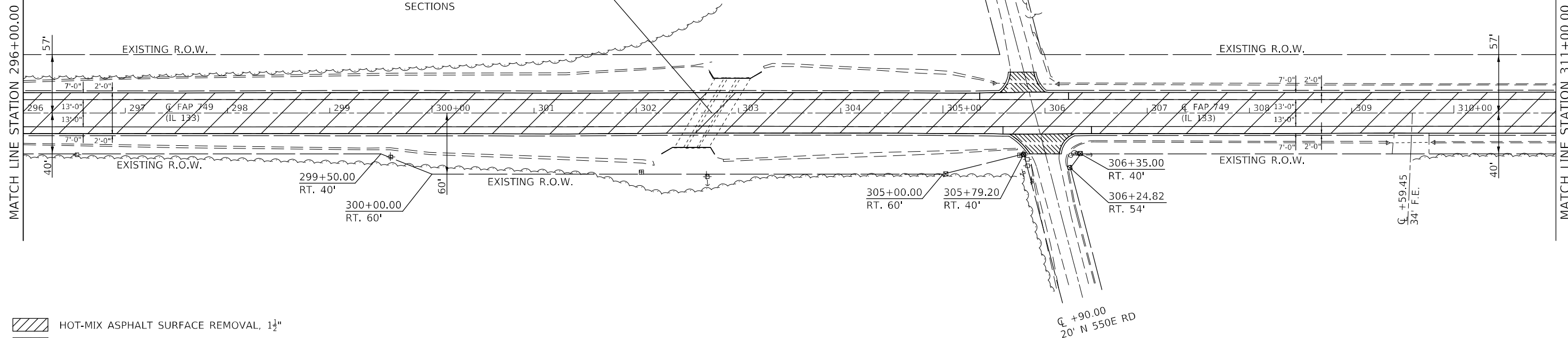
SCALE: SHEET 8 OF 15 SHEETS STA. 266+00.00 TO STA. 296+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	33
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

SEC 36, T. 15 N, R.7E, 3RD P.M.

CL +89.70
16' N 550E RD

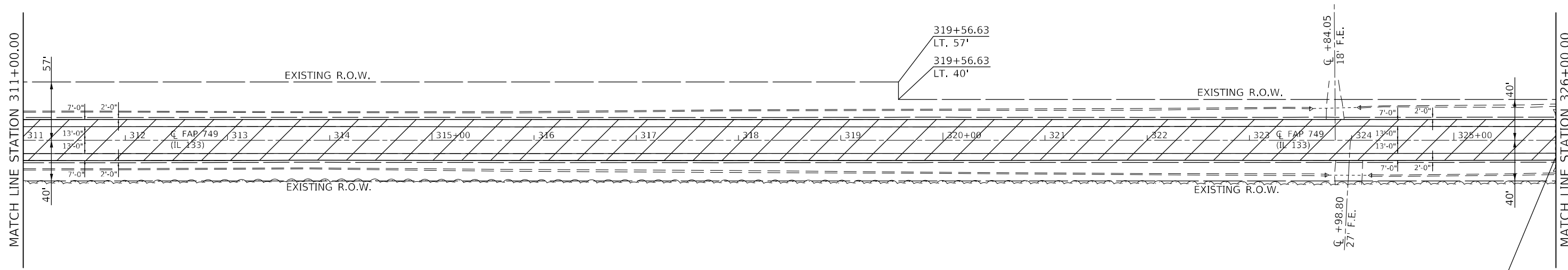
S.N. 021-2024 / STA. 302+74.00
(3) 9' X 4' X 77.18' REINFORCED
CONCRETE BOX CULVERT WITH END
SECTIONS



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

SEC 36, T. 15 N, R.7E, 3RD P.M.

SEC 36, T. 15 N, R.7E, 3RD P.M.



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

STA. 326+00.00
2' X 1.5' X 41.94' REINFORCED CONCRETE BOX
CULVERT EXTENDED WITH CLASS A, TYPE 1
PIPE CULVERT AND PRECAST REINFORCED
CONCRETE FLARED END SECTIONS

SEC 36, T. 15 N, R.7E, 3RD P.M.

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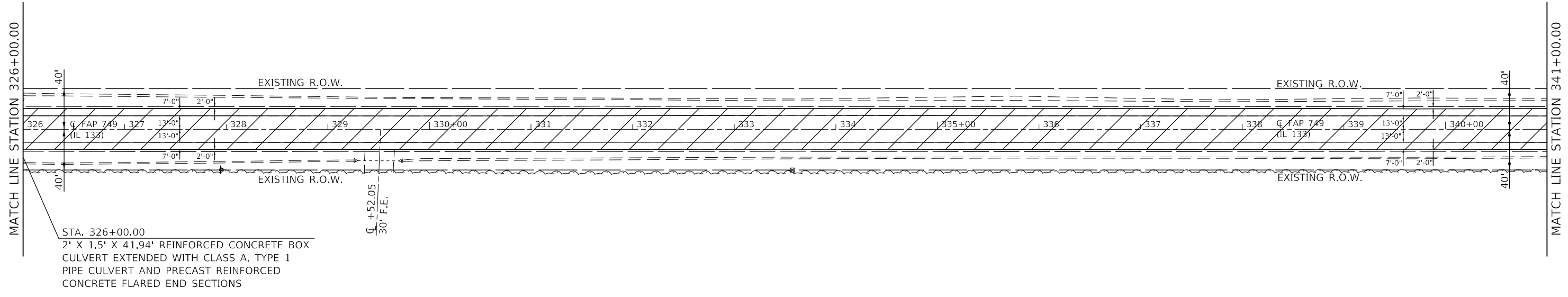
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PLOT DATE = 12/8/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILL 133 Double Plan Sheet

SCALE: SHEET 9 OF 15 SHEETS STA. 296+00.00 TO STA. 362+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	34
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

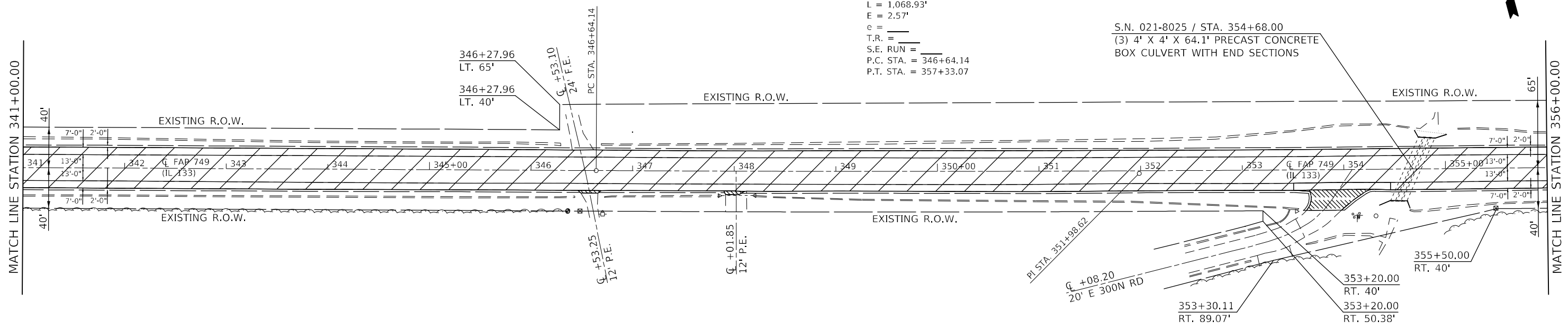
SEC 36, T. 15 N, R.7E, 3RD P.M.

SEC 31, T. 15 N, R.7E, 3RD P.M.



EXIST. CURVE IL133ALL_23
 PI STA. = 351+98.62
 $\Delta = 1^\circ 06' 06''$ (LT)
 $D = 0^\circ 06' 11''$
 $R = 55,596.73'$
 $T = 534.48'$
 $L = 1,068.93'$
 $E = 2.57'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 346+64.14$
 $P.T. STA. = 357+33.07$

S.N. 021-8025 / STA. 354+68.00
 (3) 4' X 4' X 64.1' PRECAST CONCRETE
 BOX CULVERT WITH END SECTIONS



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

SEC 31, T. 15 N, R.8E, 3RD P.M.

SEC 6, T. 14 N, R.8E, 3RD P.M.

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PLOT DATE = 12/8/2021	CHECKED -	REVISED -
	DATE -	REVISED -

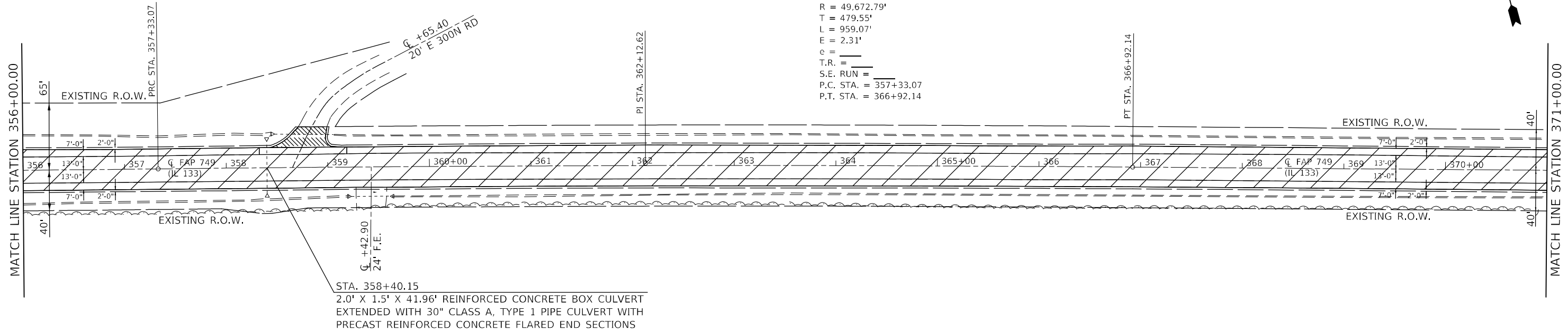
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 133 Double Plan Sheet		
SCALE:	SHEET 10 OF 15 SHEETS	STA. 326+00.00 TO STA. 356+00.00

F.A.P. RTE. 749	SECTION 120RS-4	COUNTY DOUGLAS	TOTAL SHEETS 57	SHEET NO. 35
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

SEC 6, T. 14 N, R.8E, 3RD P.M.

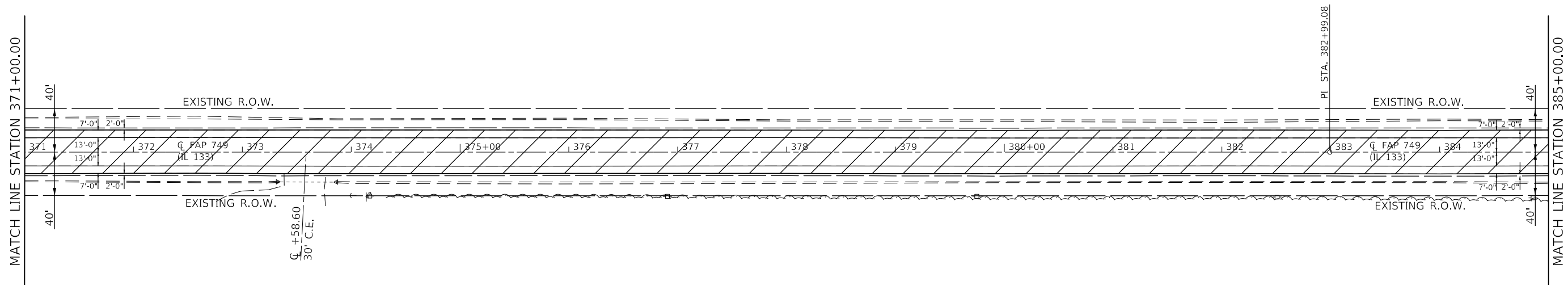
EXIST. CURVE IL133ALL_24
 PI STA. = 362+12.62
 $\Delta = 1^\circ 06' 23''$ (RT)
 $D = 0^\circ 06' 55''$
 $R = 49,672.79'$
 $T = 479.55'$
 $L = 959.07'$
 $E = 2.31'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 P.C. STA. = 357+33.07
 P.T. STA. = 366+92.14



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

SEC 6, T. 14 N, R.8E, 3RD P.M.

SEC 6, T. 14 N, R.8E, 3RD P.M.



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

SEC 6, T. 14 N, R.8E, 3RD P.M.

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USER NAME = woodst	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

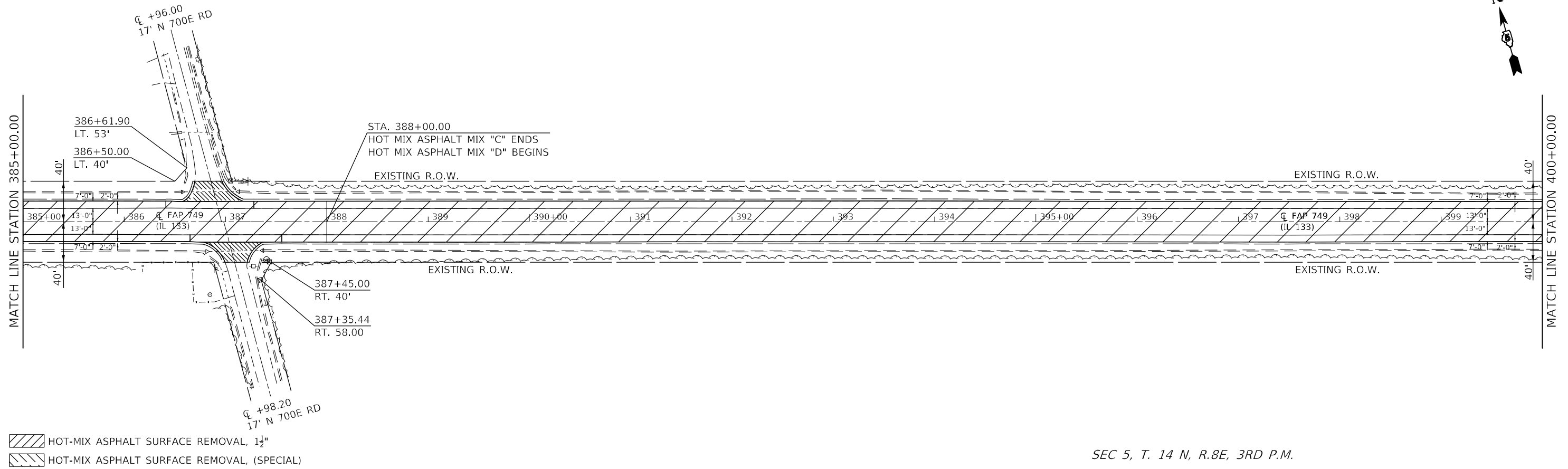
ILL 133 Double Plan Sheet

SCALE: SHEET 11 OF 15 SHEETS STA. 356+00.00 TO STA. 385+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	36
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

SEC 6, T. 14 N, R.8E, 3RD P.M.

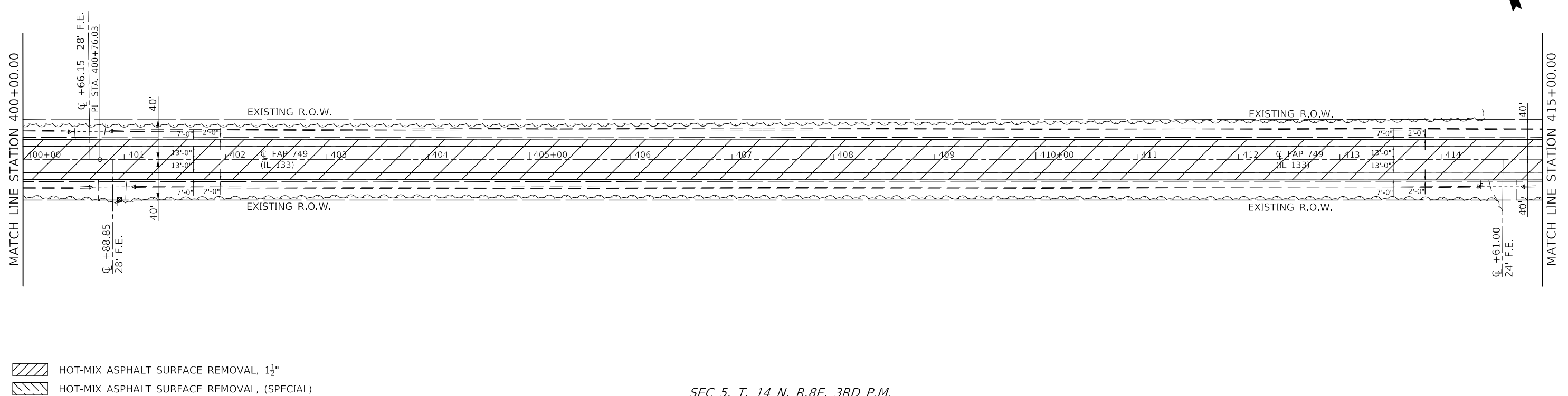
SEC 5, T. 14 N, R.8E, 3RD P.M.



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

SEC 5, T. 14 N, R.8E, 3RD P.M.

SEC 5, T. 14 N, R.8E, 3RD P.M.



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

SEC 5, T. 14 N, R.8E, 3RD P.M.

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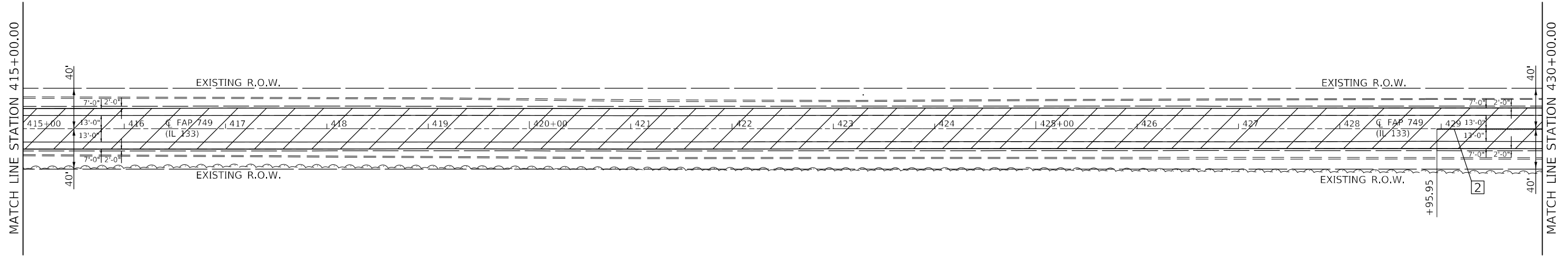
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

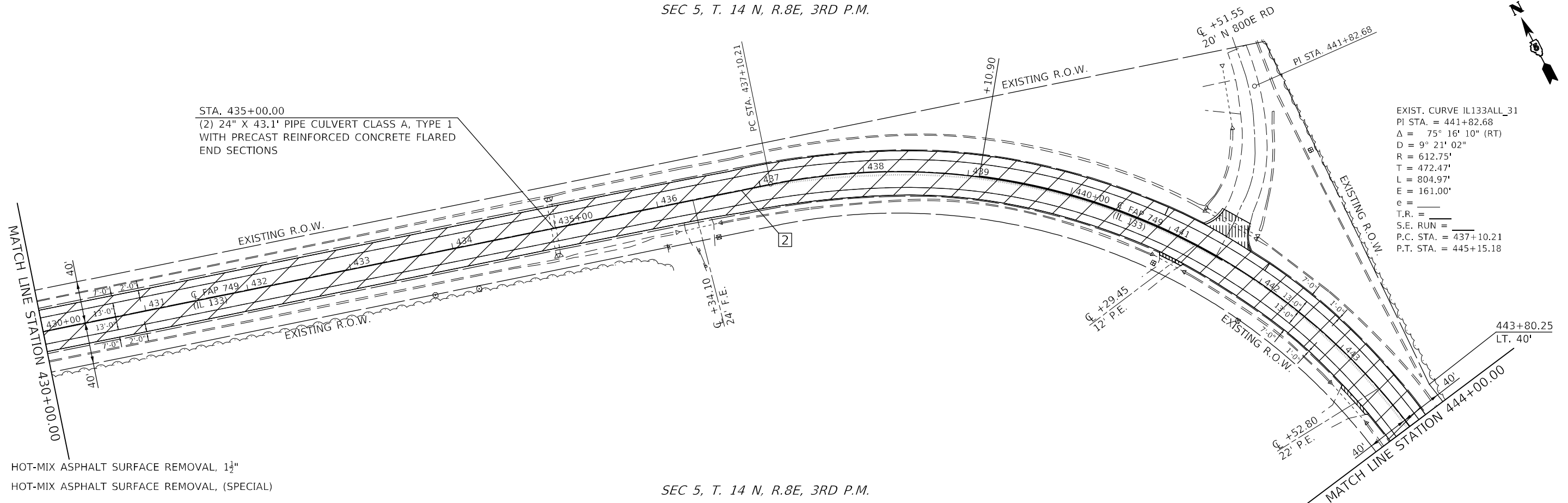
ILL 133 Double Plan Sheet

SCALE: SHEET 12 OF 15 SHEETS STA. 385+00.00 TO STA. 415+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	37
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)



EXIST. CURVE IL133ALL_31
 PI STA. = 441+82.68
 $\Delta = 75^\circ 16' 10''$ (RT)
 $D = 9^\circ 21' 02''$
 $R = 612.75'$
 $T = 472.47'$
 $L = 804.97'$
 $E = 161.00'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 437+10.21$
 $P.T. STA. = 445+15.18$

- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

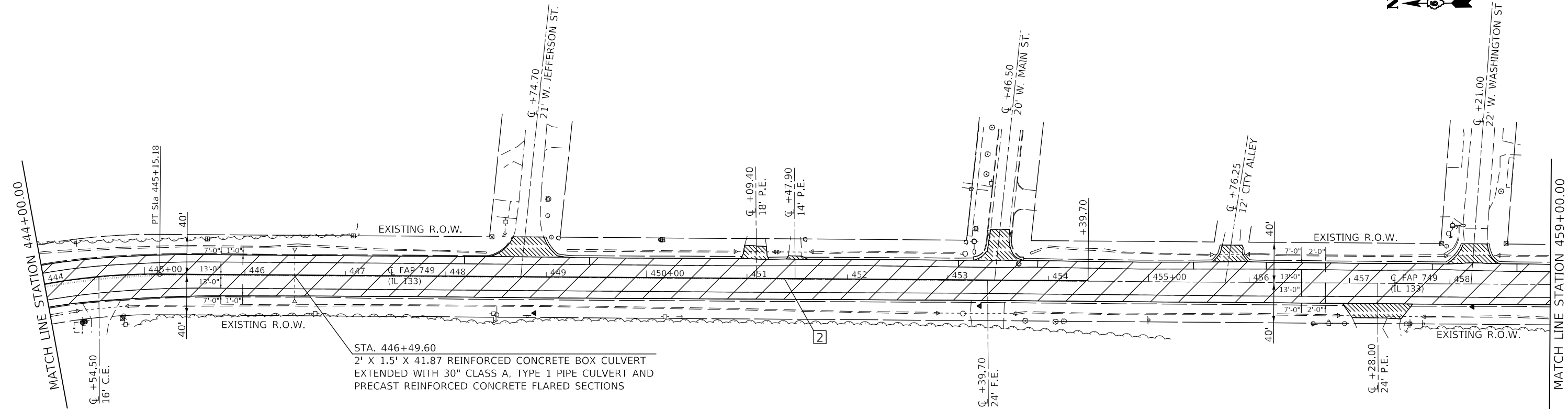
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USER NAME = woodst	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/8/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ILL 133 Double Plan Sheet			
SCALE:	SHEET 13	OF 15 SHEETS	STA. 415+00.00 TO STA. 444+00.00

F.A.P. RTE. 749	SECTION 120RS-4	COUNTY DOUGLAS	TOTAL SHEETS 57	SHEET NO. 38
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

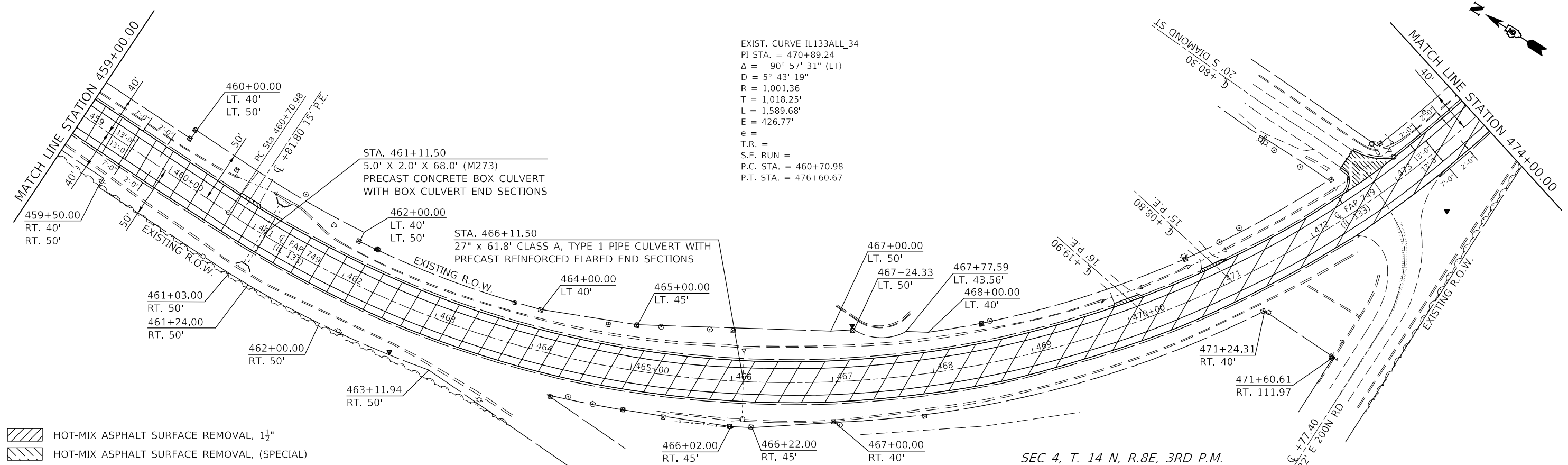


- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

SEC 5, T. 14 N, R.8E, 3RD P.M.

SEC 4, T. 14 N, R.8E, 3RD P.M.

SEC 4, T. 14 N, R.8E, 3RD P.M.



EXIST. CURVE IL133ALL_34
 PI STA. = 470+89.24
 $\Delta = 90^\circ 57' 31''$ (LT)
 $D = 5^\circ 43' 19''$
 $R = 1,001.36'$
 $T = 1,018.25'$
 $L = 1,589.68'$
 $E = 426.77'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 460+70.98$
 $P.T. STA. = 476+60.67$

- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

SEC 4, T. 14 N, R.8E, 3RD P.M.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

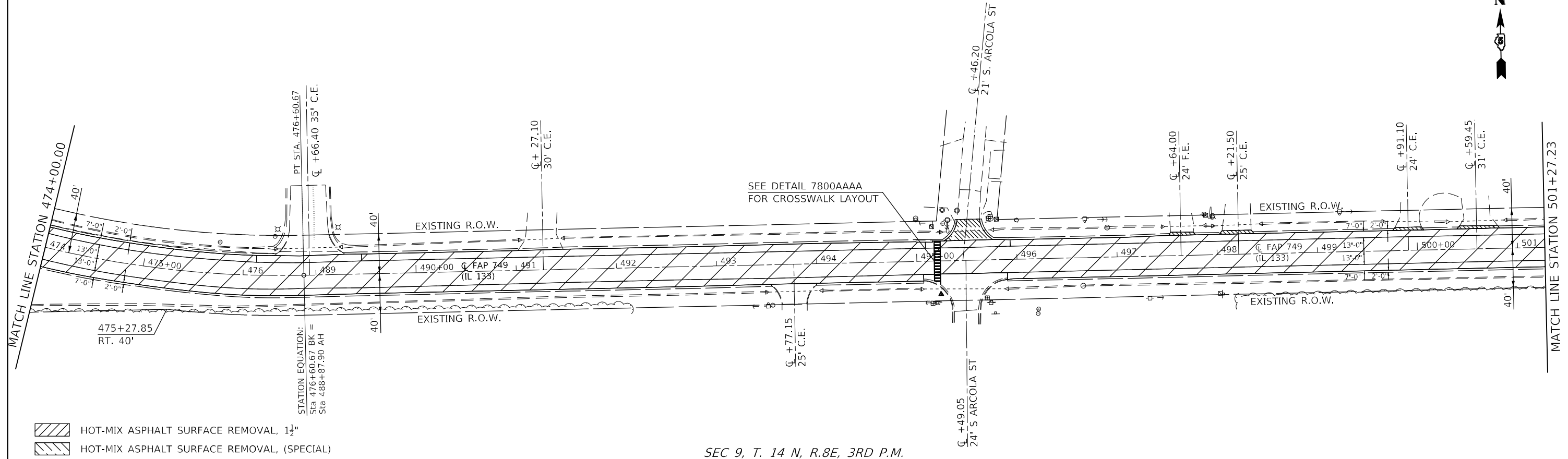
ILL 133 Double Plan Sheet

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

F.A.P. RTE. 749	SECTION 120RS-4	COUNTY DOUGLAS	TOTAL SHEETS 57	SHEET NO. 39
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

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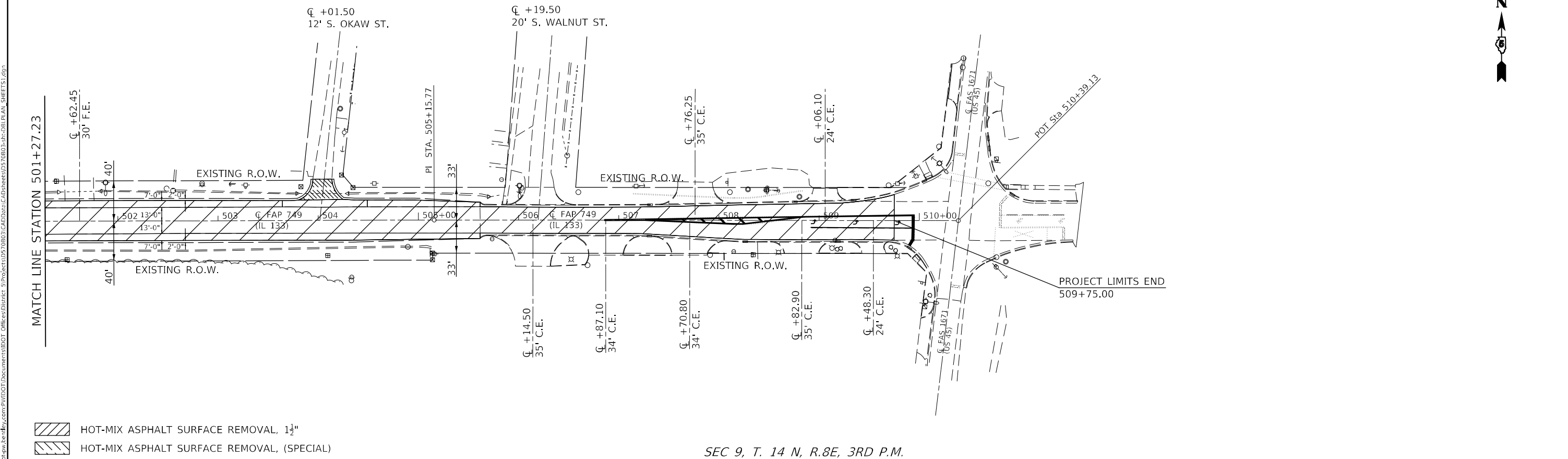
SEC 4, T. 14 N, R.8E, 3RD P.M.



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

SEC 9, T. 14 N, R.8E, 3RD P.M.

SEC 4, T. 14 N, R.8E, 3RD P.M.



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, (SPECIAL)

SEC 9, T. 14 N, R.8E, 3RD P.M.

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

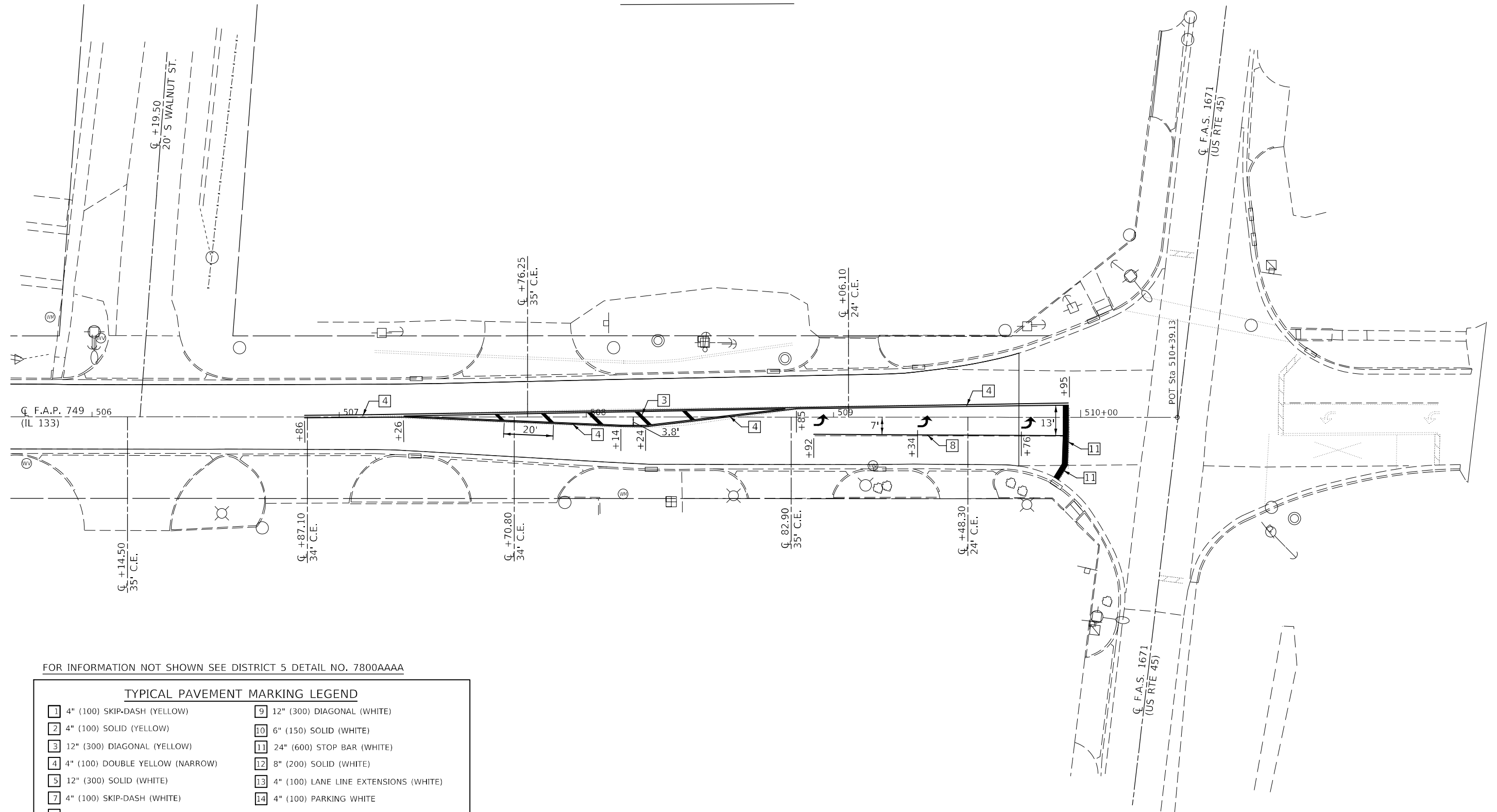
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET 15 OF 15 SHEETS STA. 474+00.00 TO STA. 510+23.20

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	40
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

INTERSECTION PAVEMENT MARKING DETAIL

IL RTE. 133 & US RTE. 45



TYPICAL PAVEMENT MARKING LEGEND

1 4" (100) SKIP-DASH (YELLOW)	9 12" (300) DIAGONAL (WHITE)
2 4" (100) SOLID (YELLOW)	10 6" (150) SOLID (WHITE)
3 12" (300) DIAGONAL (YELLOW)	11 24" (600) STOP BAR (WHITE)
4 4" (100) DOUBLE YELLOW (NARROW)	12 8" (200) SOLID (WHITE)
5 12" (300) SOLID (WHITE)	13 4" (100) LANE LINE EXTENSIONS (WHITE)
7 4" (100) SKIP-DASH (WHITE)	14 4" (100) PARKING WHITE
8 4" (100) SOLID (WHITE)	

MODEL: \\MODEL\MNMF
 FILE: \\MAILS_P\pub\cpx-beadefy.com\PIV\DOT\Documents\DOT_Offices\Dir\dr: S\Project\10570803\CADD\Drawings\CAD\Sheet\0570803-ht-ft-rip\p.dgn

USER NAME = woodst	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -	
PLOT DATE = 12/8/2021	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

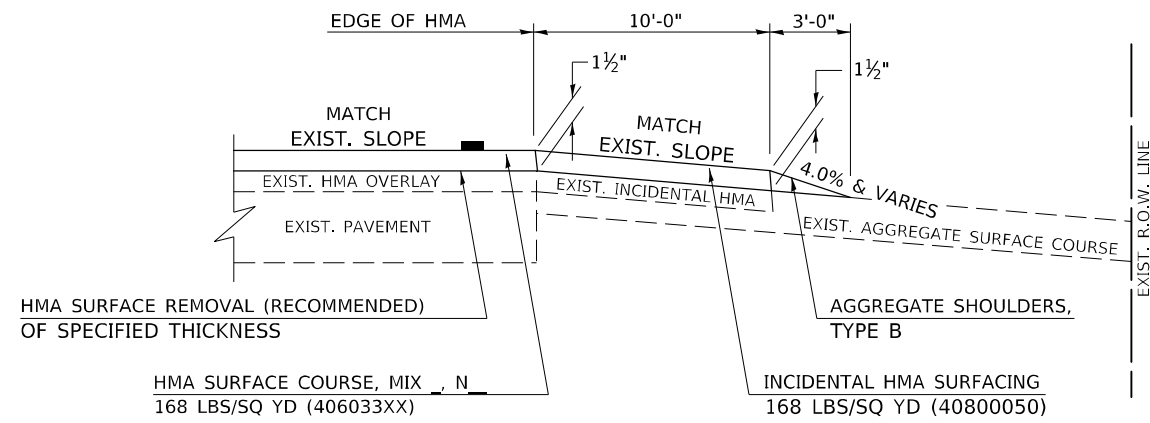
**INTERSECTION PAVEMENT MARKING DETAIL
IL 133 & US 45**

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

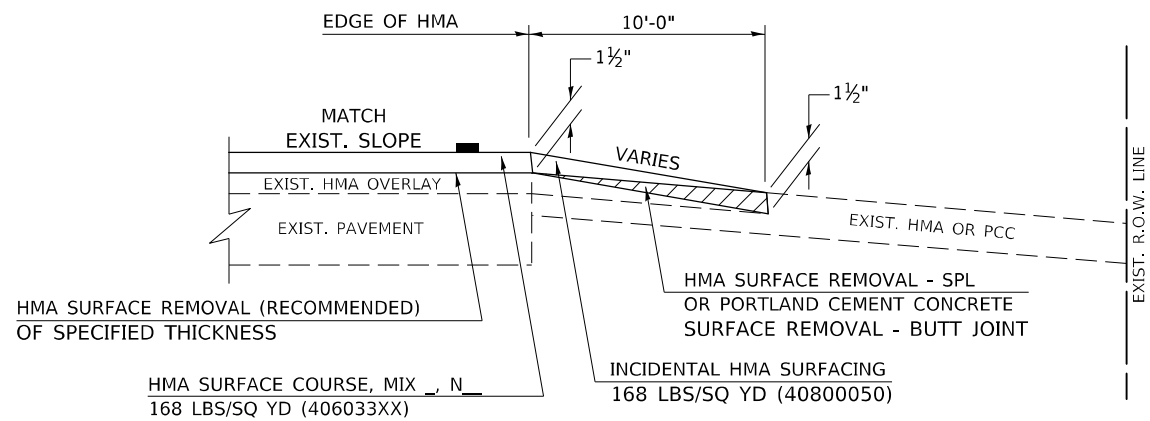
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120R5-4	DOUGLAS	57	41
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.03; 1½")

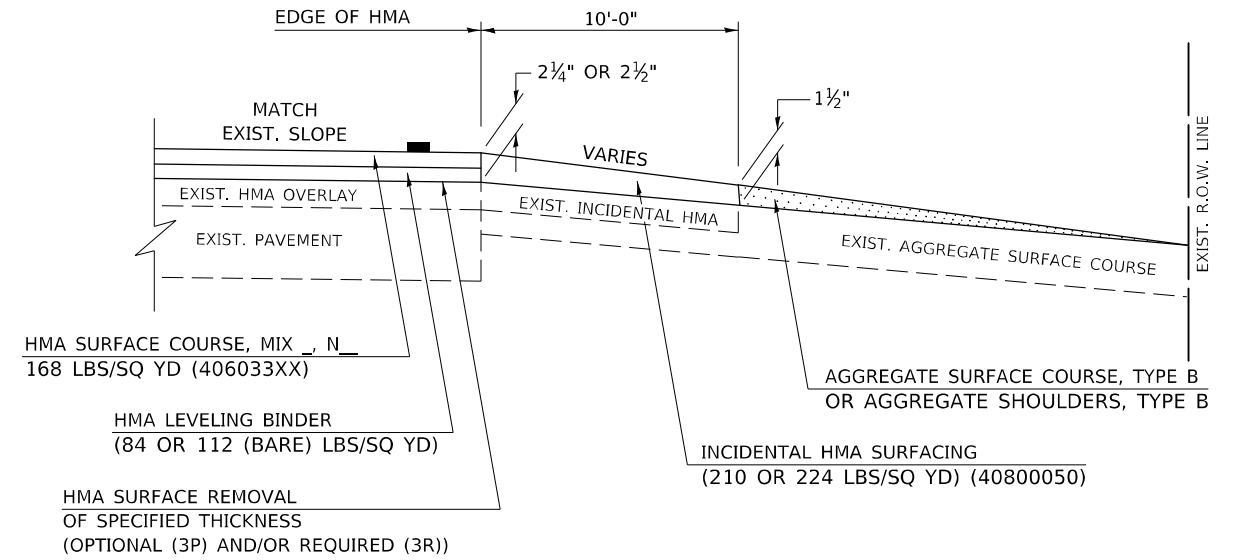


EXISTING AGGREGATE ENTRANCE

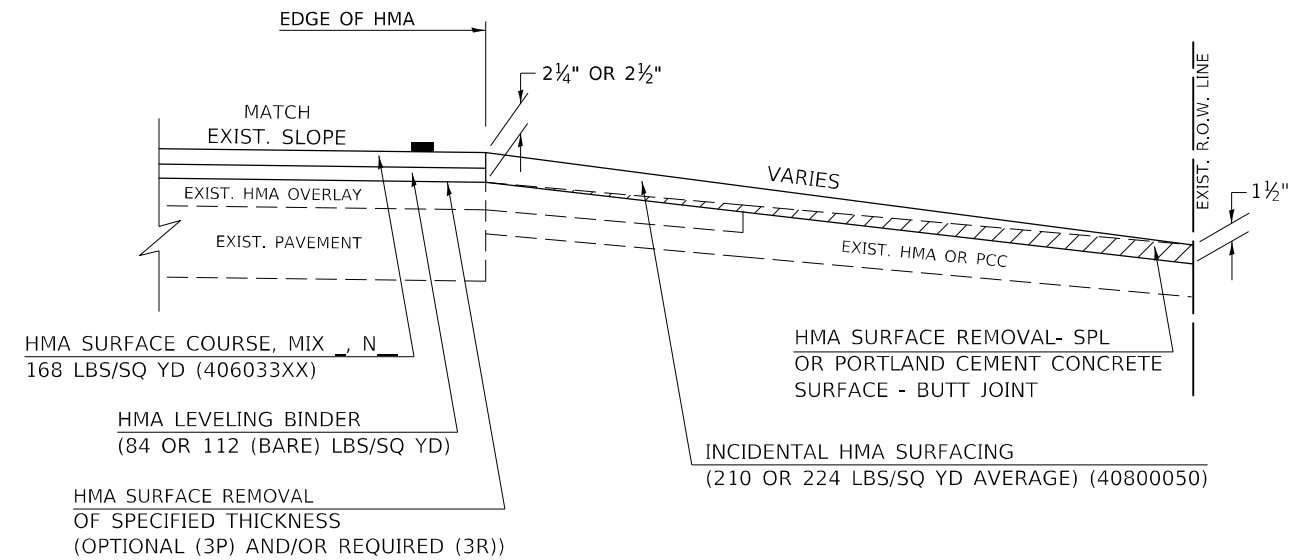


EXISTING HMA OR PCC ENTRANCE

"3P" OR "3R" IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.02; 2¼" OR 2½" ON BARE CONCRETE)



EXISTING AGGREGATE ENTRANCE



EXISTING HMA OR PCC ENTRANCE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 40800050C

DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-09

MODEL: I:\MODEL\MAME FILE NAME: p:\pub\c-pa-beadefy.com\FW\DOT\Documents\DOT Office\Drawings\Project\570B03\CADD\Sheet\570B03-ht-detailed.dgn

USER NAME = woodst	DESIGNED -	REVISED - 09/07 KAG
	DRAWN -	REVISED - 05/08 KJT
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED - 04/10 KJT
PLOT DATE = 12/8/2021	DATE -	REVISED - 3/6/17 SWN

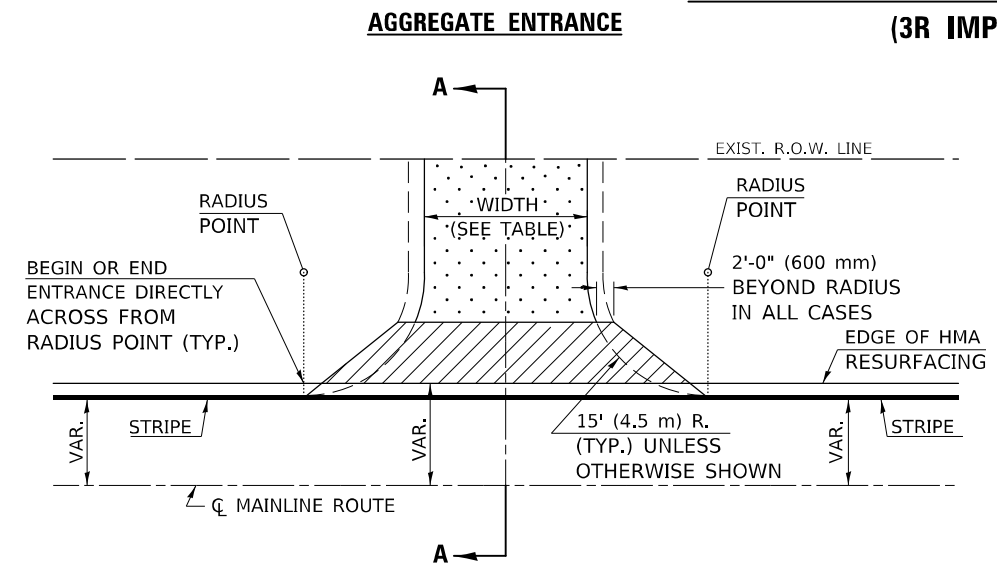
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRIVATE COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)			
SCALE:	SHEET 1 OF 2 SHEETS	STA.	TO STA.

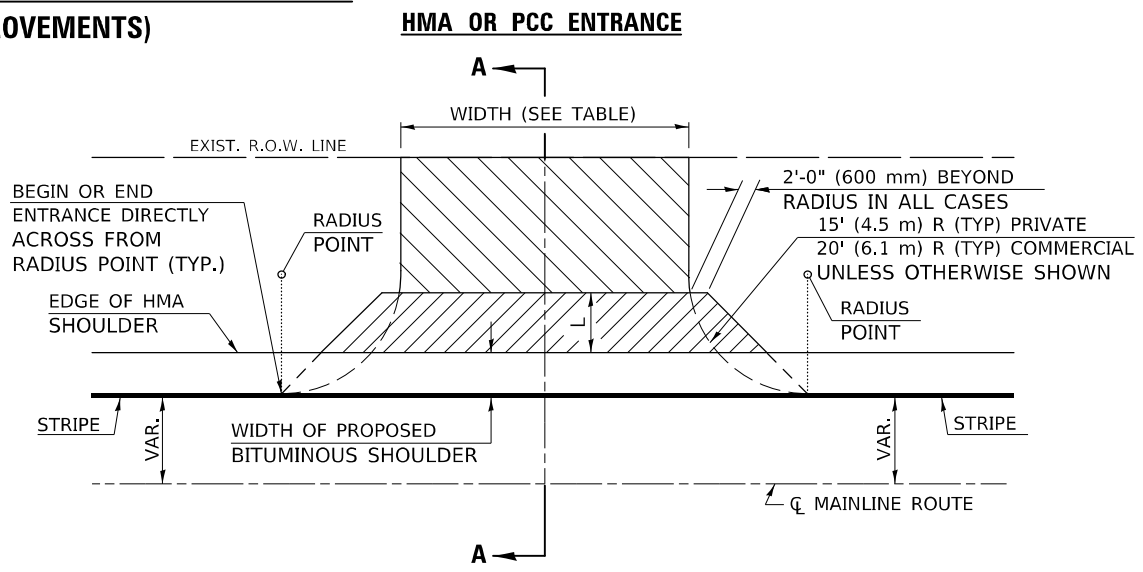
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	42
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-09

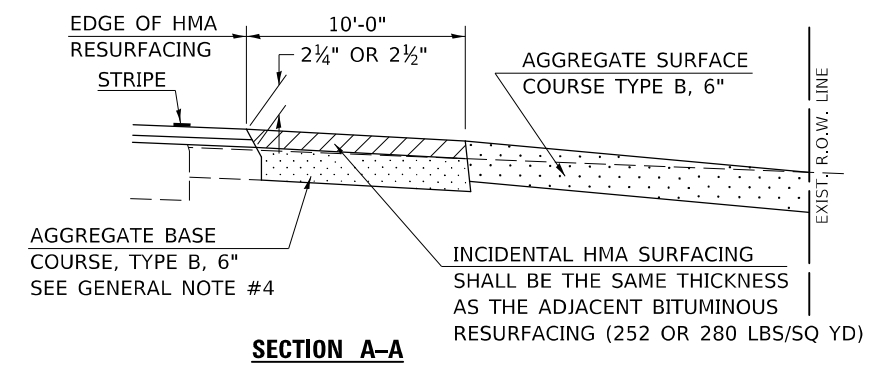
PROJECTS WITH RECONSTRUCTION



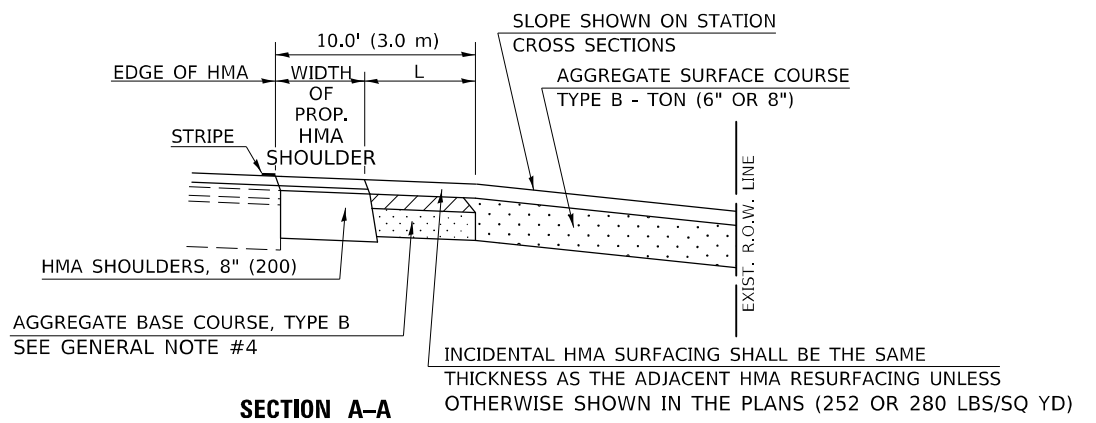
TYPICAL APPLICATION



TYPICAL APPLICATION



SECTION A-A



**SECTION A-A
"HMA EXAMPLE"**

GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 ALONG WITH DISTRICT PROJECT IMPLEMENTATION MEMO 104/01 DISCUSS THIS PROCEDURE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)															
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with CONSTRUCTION										3R w/out RECONSTRUCTION, 3P, SMART & CM				
	NONCOMMERCIAL					COMMERCIAL					NONCOMMERCIAL				
	PRIVATE & FIELD			FIELD W/FARM IMPLEMENTS		COMMERCIAL			PRIVATE & FIELD			COMMERCIAL			
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.	
SURFACE WIDTH (FT)	12	16	24	24	30	1 LANE, 1 WAY						1 LANE, 1 WAY			
						14	16	24				2 LANE, 2 WAY			
RADIUS (FT)	15	25	40	30		20	30	50	resurface existing configuration; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them						
SHOULDER WIDTH (FT)	2	2		2		1	3								
SHOULDER SLOPE (%)	2	4	6	4		2	4	6							
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10							
SIDE SLOPE (FT)	1:10	1:6	1:4	1:6	1:4	1:10	1:6	1:4							
SURFACE TYPE															
INCIDENTAL HMA SURFACING (INCH)		2		2			3 or 4		taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" to minimize aggregate shoulder						
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8		if applicable, use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02							
PCC DRIVEWAY PAVEMENT (INCH)		6													6 or 8

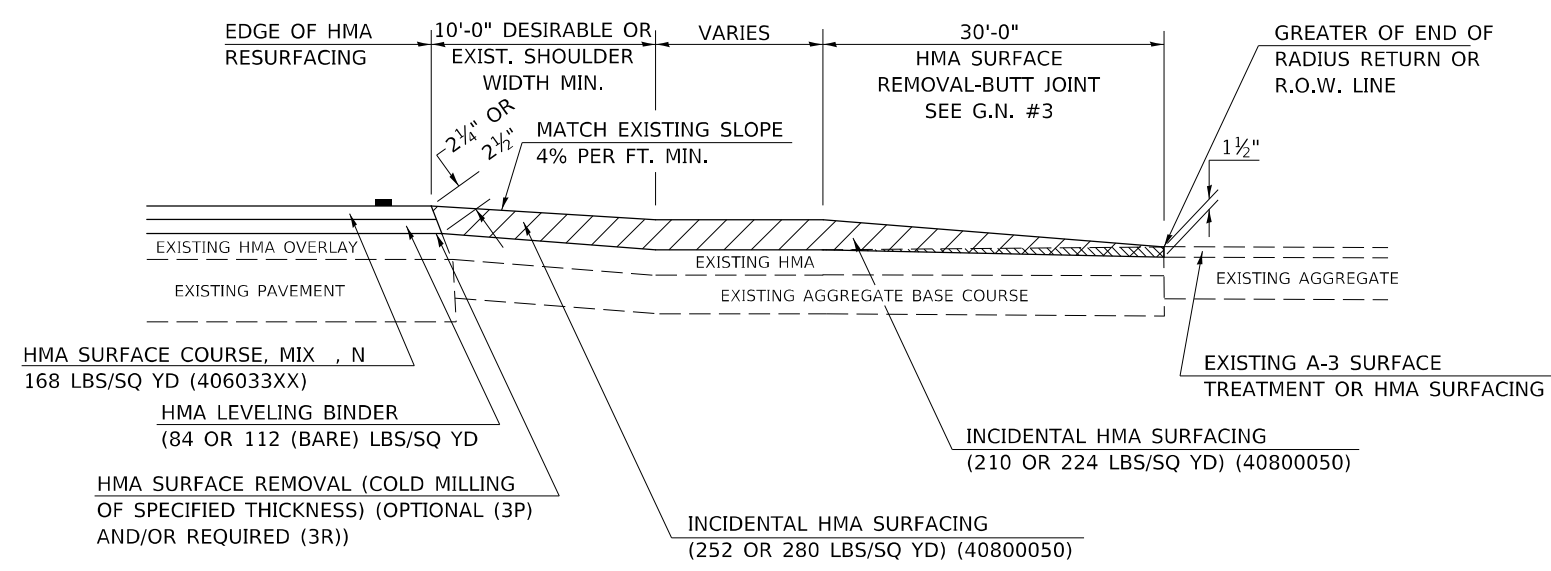
DISTRICT 5 DETAIL NO. 40800050C

USER NAME = woodst	DESIGNED -	REVISOR - 09/07 KAG	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRIVATE COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)	DRAWN -	REVISOR - 05/08 KJT	SCALE:	SHEET 2 OF 2 SHEETS	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISOR - 04/10 KJT			749	120RS-4	DOUGLAS	57	43						
PLOT DATE = 12/8/2021	DATE -	REVISOR - 3/6/17 SWN						CONTRACT NO. 70B03			ILLINOIS FED. AID PROJECT				

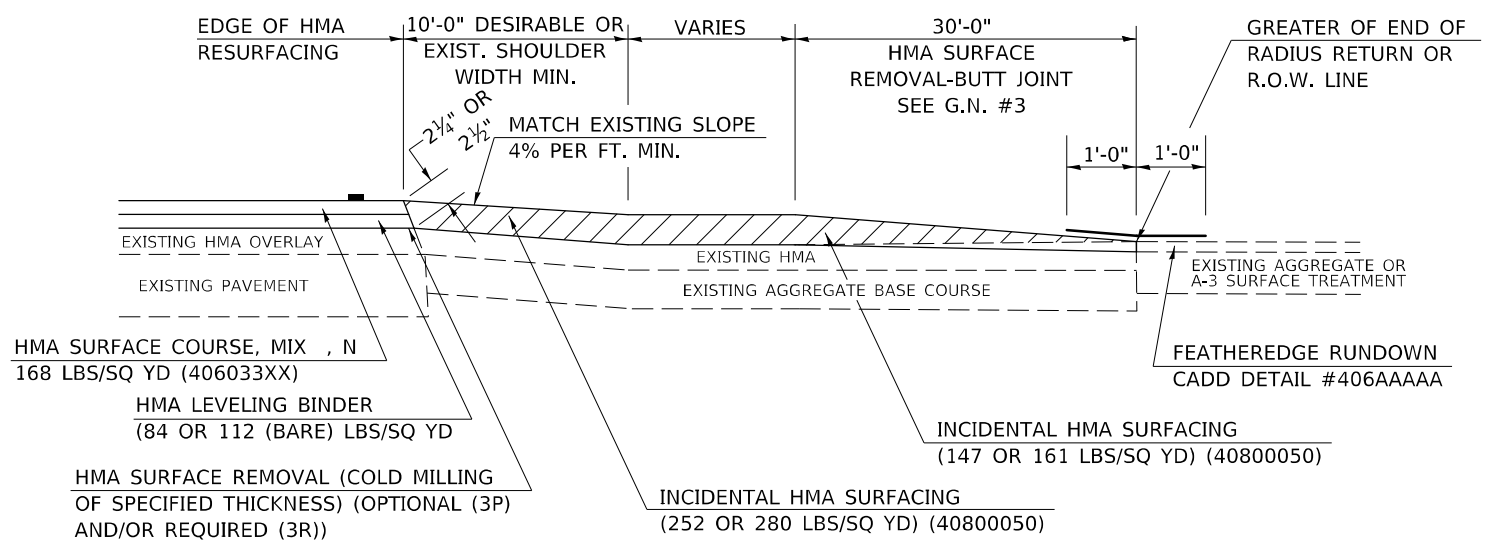
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DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-06 CONSULT CHAPTER 49 OF BDE MANUAL

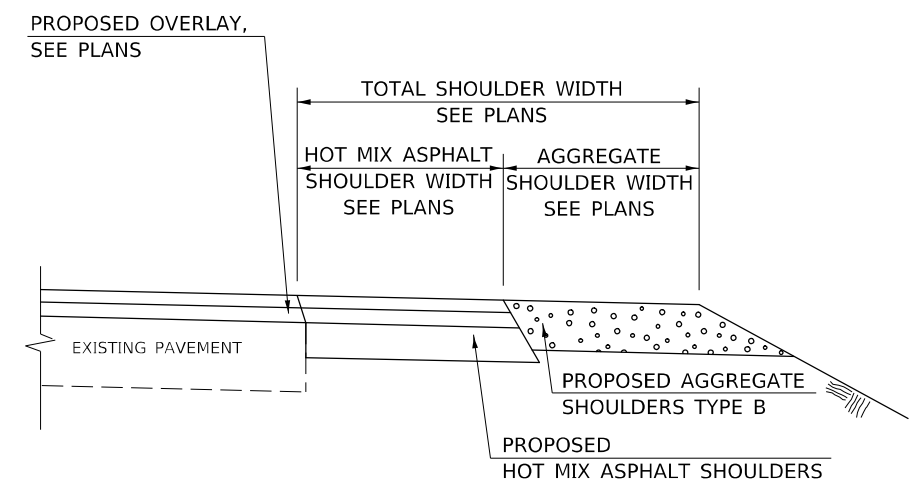
**SECTION A-A
EXISTING HMA OR PCC SIDEROAD (> 400 ADT)**



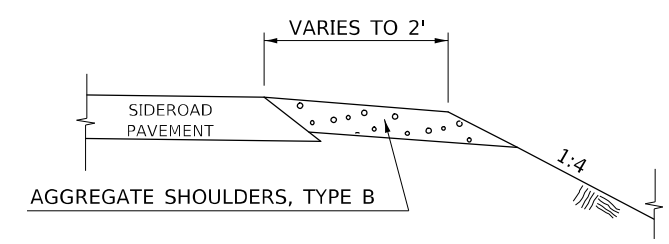
**SECTION A-A
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (< 400 ADT)**



RURAL SIDEROAD DESIGN STANDARDS (PPM 40-06)										
DESIGN ELEMENT	New Construction & 3R (Existing Width Less Than 20 ft)			3R (Existing Width 20 ft or Greater) & 3P			SMART & Contract Maintenance			
	min.	des.	max.	min.	des.	max.	min.	des.	max.	
SURFACE WIDTH (FT); (Measured at end of radius or row line; greatest distance from edge of traveled way)	24	24	Coordinate with Geometrics Engineer	Resurface existing configuration to completion of radius return or row line; greatest distance from edge of traveled way; major sideroads (> 400 adt) shall have "butt joints" constructed whether the entrance is hma or pcc; minor sideroads (< 400 adt) shall have "featheredge rundown" as shown in district cadd detail 406AAAAA						resurface existing configuration with the completion of a 10 ft. featheredge rundown for ALL sideroads as shown in district cadd detail 406AAAAA
RADIUS (FT)	30	30								
SHOULDER WIDTH (FT)	4	8	10							
SHOULDER SLOPE (%)	2	4	12							
ENTRANCE GRADE (%)	1	1 to 4	4							
BREAKOVER (%)	0	5	10							
SIDE SLOPE (FT)	1:10	1:6	1:4							
INTERSECTION ANGLE	60	75 to 90								
SURFACE TYPE										
INCIDENTAL HMA SURFACING (INCH)	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge			
AGGREGATE BASE COURSE, TYPE A (INCH)	8	4		if applicable use item: 35800100 Preparation of Base						
PCC PAVEMENT (INCH)		8								



**SECTION B-B
MAINLINE SHOULDER TREATMENT**



**SECTION C-C
SIDEROAD SHOULDER TREATMENT**

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

MODEL: I:\MODEL\MMF5 FILE: MMF5.dwg PLOT DATE: 12/8/2021

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	DRAWN -	REVISD - 09/07 KAG
PLOT SCALE = 40,0000 */ in.	CHECKED -	REVISD - 12/09 KJT
PLOT DATE = 12/8/2021	DATE -	REVISD -

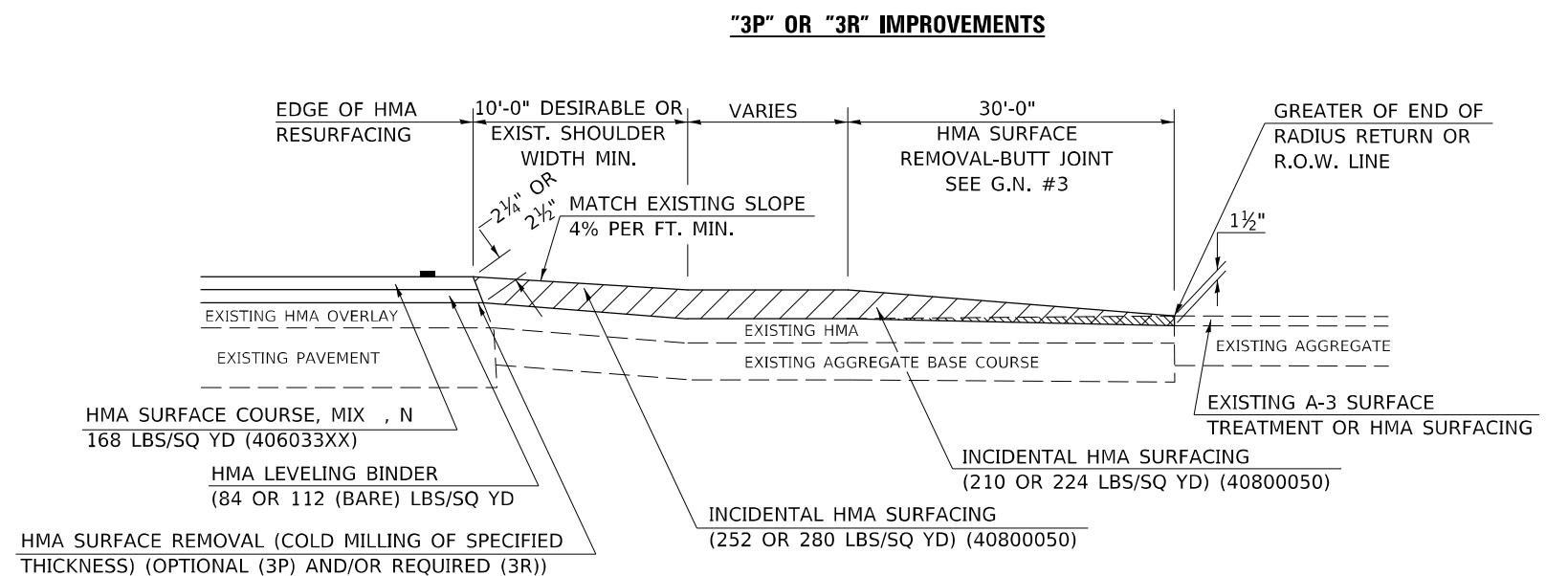
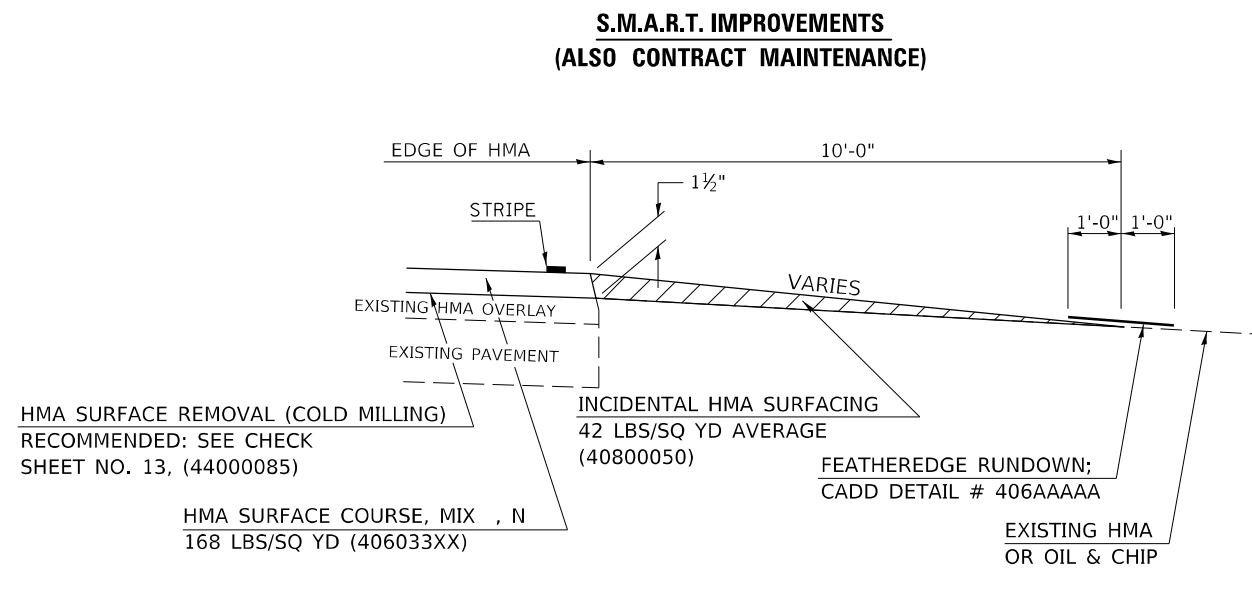
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEROAD & SIDESTREETS (RURAL)

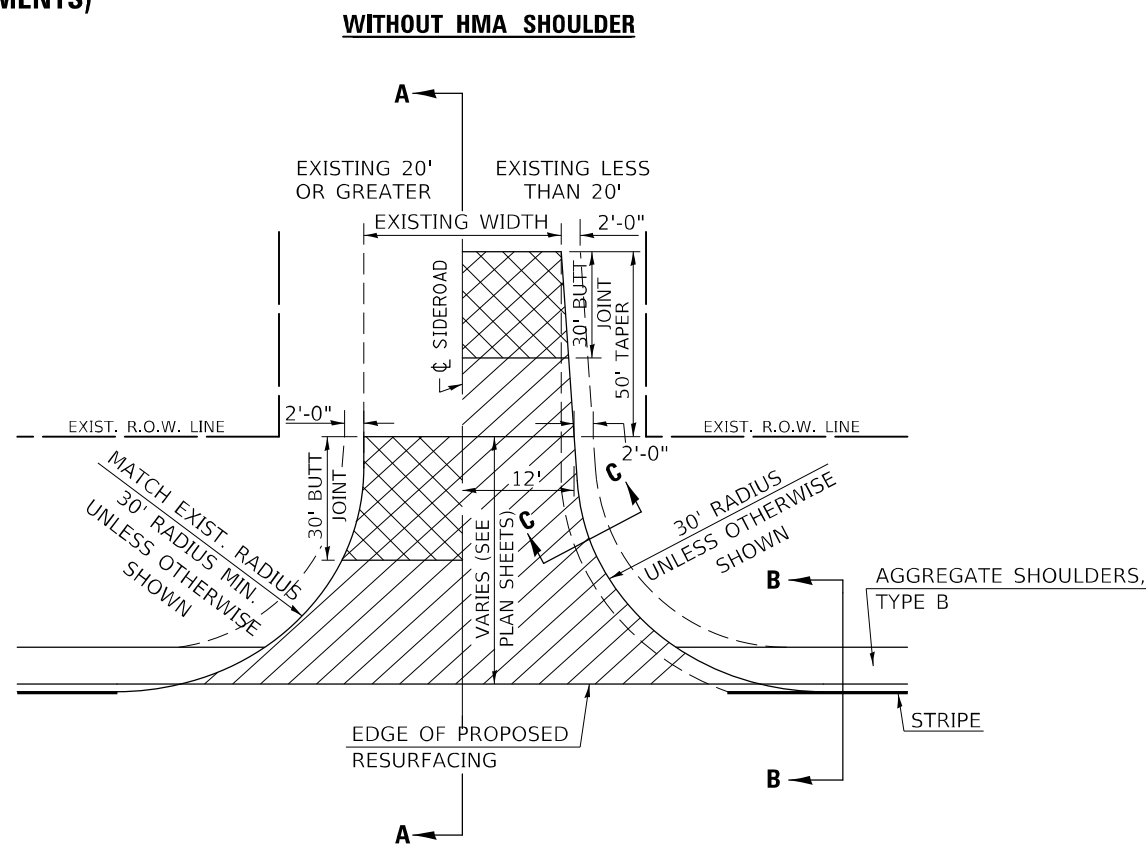
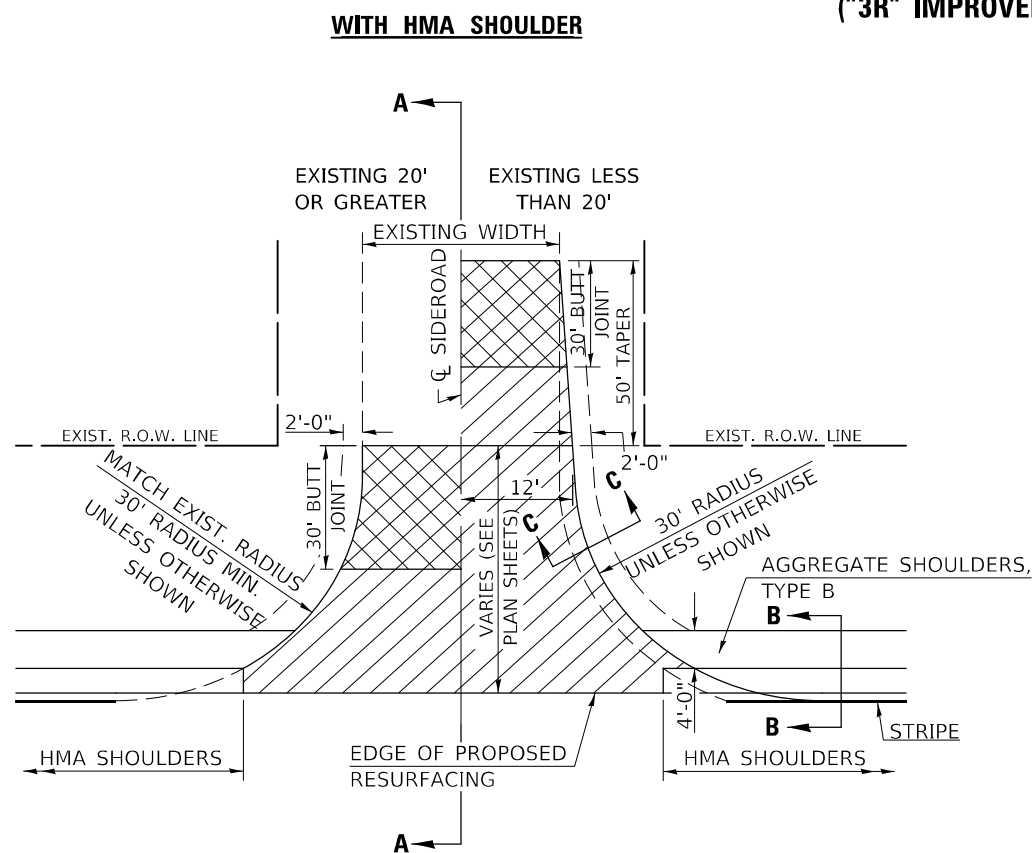
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 408000AA				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	44
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

PROJECTS WITHOUT RECONSTRUCTION



PROJECTS WITH RECONSTRUCTION ("3R" IMPROVEMENTS)



GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS
2. PROPOSED SIDEROAD GRADES SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. MAJOR SIDEROAD/SIDESTREETS (>400 ADT) SHALL HAVE "BUTT JOINTS" CONSTRUCTED WHETHER THE EXISTING ENTRANCE IS HMA OR PCC. MINOR SIDEROAD/SIDESTREETS (<400 ADT) SHALL HAVE "FEATHEREDGE RUNDOWNS".
4. AGGREGATE BASE COURSE, TYPE B OF THE THICKNESS SPECIFIED IN THE PLANS 6" MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT 6" EXISTING BASE MATERIAL FOR THE PROPOSED SIDEROAD RETURNS. THIS MATERIAL SHALL BE USED TO WIDEN SIDEROAD RETURNS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' WIDER THAN THE SURFACE DIMENSIONS.
6. AGGREGATE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 4' ALONG MAINLINE TO 2' AT BACK OF RETURN.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 408000AA

USER NAME = woodst	DESIGNED -	REVISOR -	12/06 TJB
	DRAWN -	REVISOR -	09/07 KAG
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISOR -	12/09 KJT
PLOT DATE = 12/8/2021	DATE -	REVISOR -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEROAD & SIDESTREETS (RURAL)

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

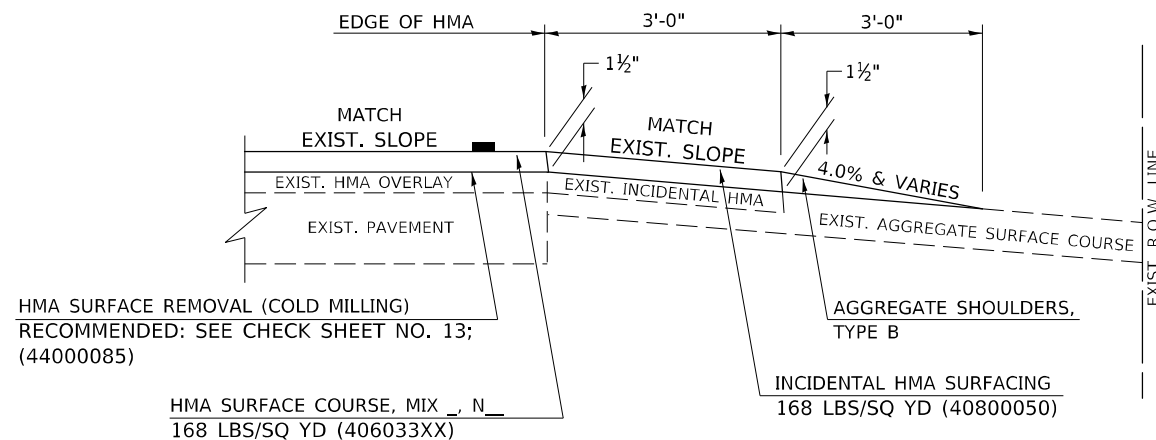
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	45
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-06 CONSULT CHAPTER 49 OF BDE MANUAL

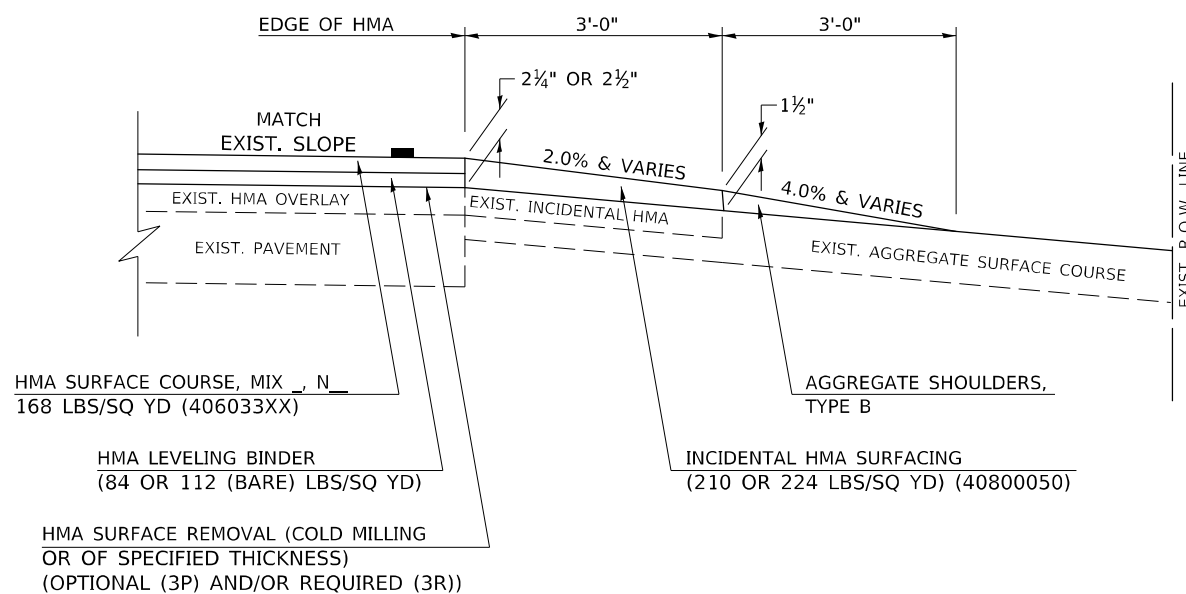
MODEL: I:\MODEL\MHFE FILE: 304162.dwg PLOT DATE: 12/8/2021

PROJECTS WITHOUT RECONSTRUCTION
 ("3R" WITHOUT RECONSTRUCTION, 3P, SMART AND CM)

S.M.A.R.T. IMPROVEMENTS
 (POLICY RESURFACING; BDE 53-4.03; 1½")

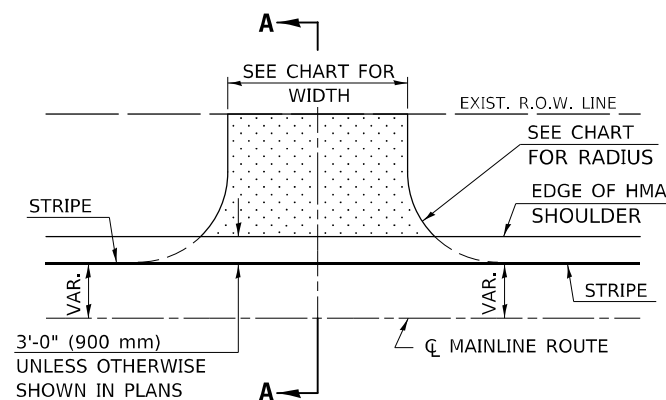


"3P" OR "3R" IMPROVEMENTS
 (POLICY RESURFACING; BDE 53-4.02; 2¼" OR 2½" ON BARE CONCRETE)



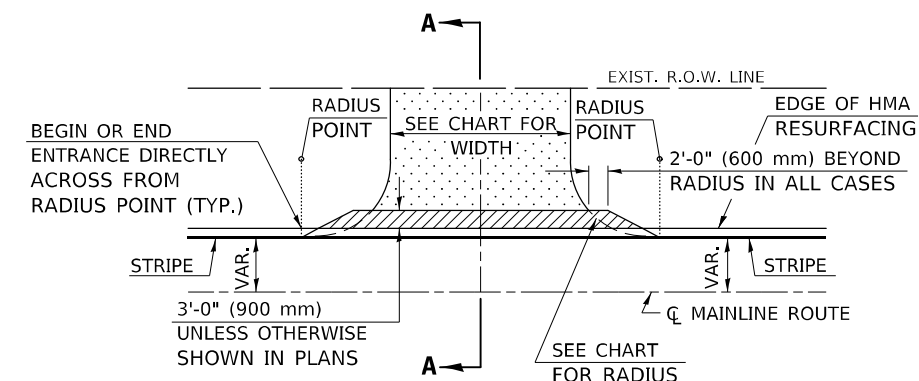
PROJECTS WITH RECONSTRUCTION
 ("3R" IMPROVEMENTS AND SMART/3P "SPOT" LOCATIONS)

ADJACENT TO PROPOSED HMA SHOULDERS
 (AGGREGATE OR EARTH ENTRANCE)

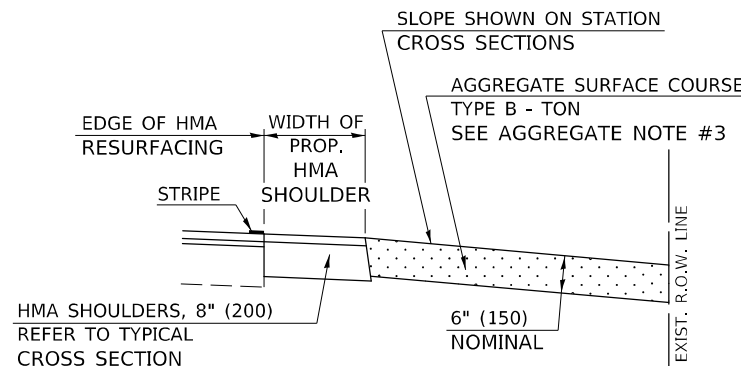


TYPICAL APPLICATION

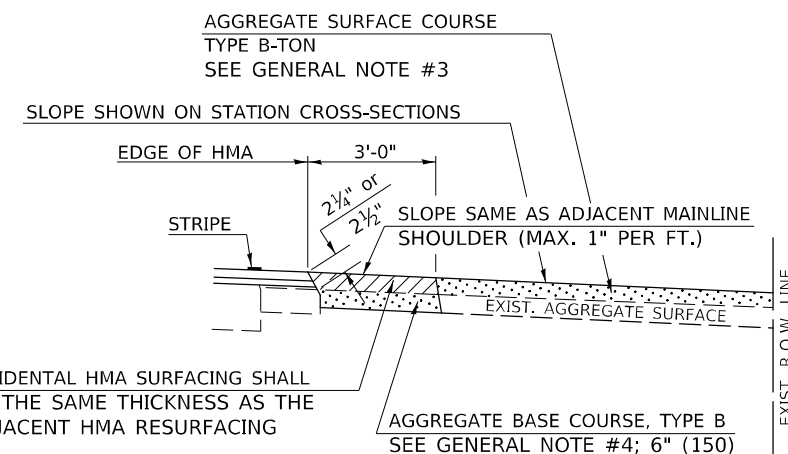
EXISTING AGGREGATE OR EARTH ENTRANCE



TYPICAL APPLICATION



SECTION A-A



SECTION A-A

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-09

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DISTRICT 5 DETAIL NO. 4080050A

USER NAME = woodst	DESIGNED -	REVISED - 12/06 TJB
	DRAWN -	REVISED - 09/07 KAG
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED - 04/08 KJT
PLOT DATE = 12/8/2021	DATE -	REVISED - 3/16/17 SWN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIELD ENTRANCES (NONCOMMERCIAL RURAL)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	46
				CONTRACT NO. 70B03
				ILLINOIS FED. AID PROJECT

DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-09

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GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 ALONG WITH DISTRICT PROJECT IMPLEMENTATION MEMORANDUM 104/01 DISCUSS THIS PROCEDURE.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)																
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with CONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM									
	NONCOMMERCIAL			FIELD W/FARM IMPLEMENTS			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL			
	PRIVATE & FIELD			FIELD W/FARM IMPLEMENTS			COMMERCIAL			PRIVATE & FIELD			COMMERCIAL			
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.		
SURFACE WIDTH (FT)	12			16			24			24			30			
	1 LANE, 1 WAY						14			16			24			
	2 LANE, 2 WAY						24			30			35			
RADIUS (FT)	15	25	40	30		20	30	50	resurface existing configuration; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them							
SHOULDER WIDTH (FT)	2	2		2		1	3									
SHOULDER SLOPE (%)	2	4	6	4		2	4	6								
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10								
SIDE SLOPE (FT)	1:4	1:6	1:10	1:4	1:6	1:4	1:6	1:10								
SURFACE TYPE																
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" to minimize aggregate shoulder							
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable, use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02							
PCC DRIVEWAY PAVEMENT (INCH)		6						6 or 8								

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 4080050A

USER NAME = woodst	DESIGNED -	REVISED - 12/06 TJB
	DRAWN -	REVISED - 09/07 KAG
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PLOT DATE = 12/8/2021	DATE -	REVISED - 3/16/17 SWN

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

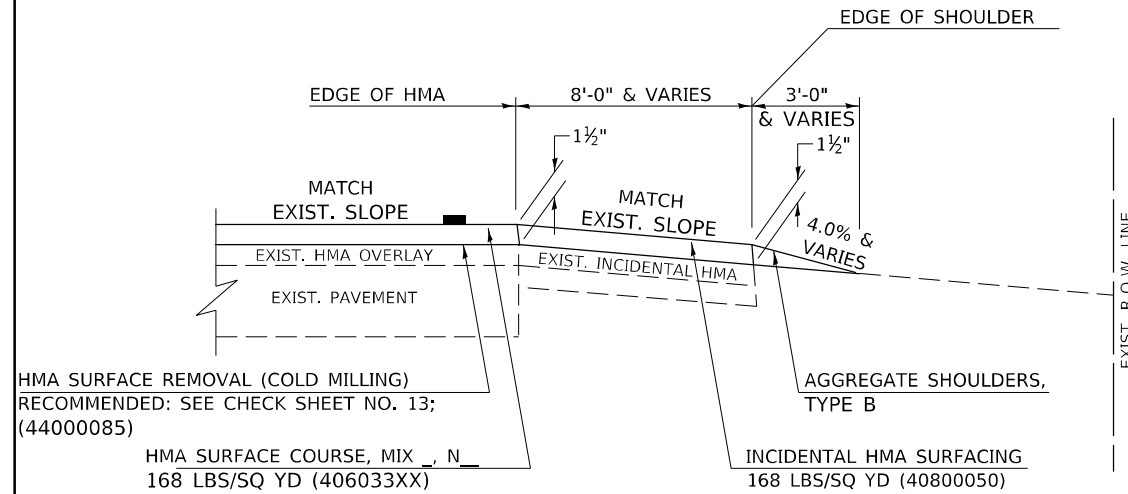
FIELD ENTRANCES (NONCOMMERCIAL RURAL)

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

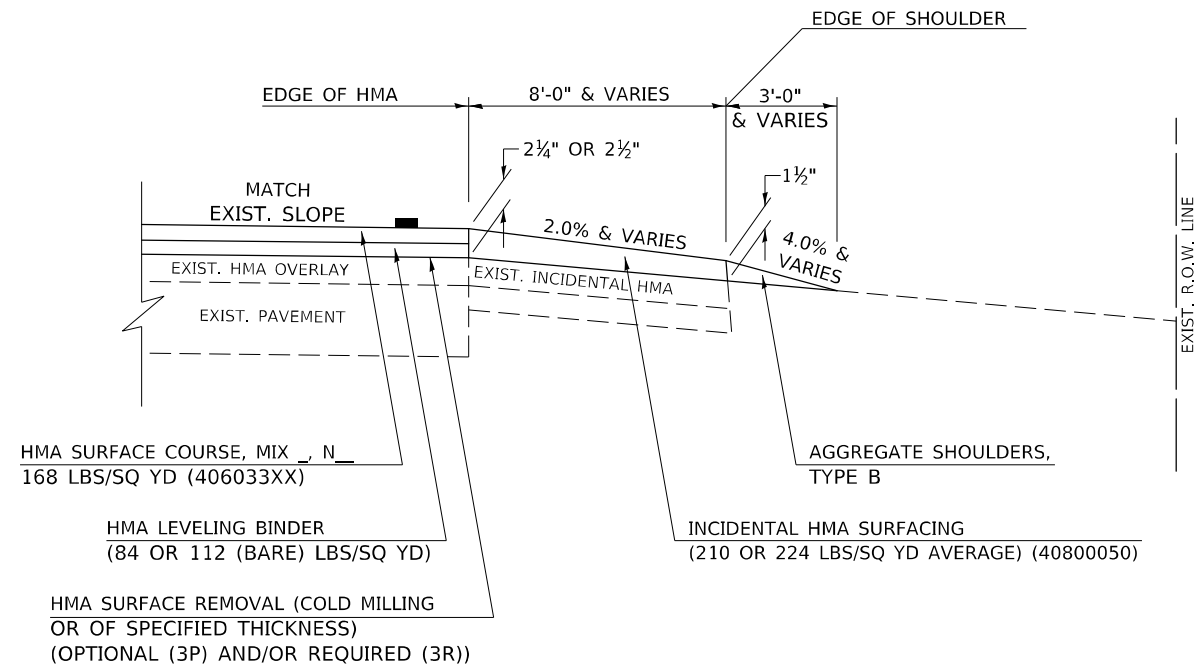
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	47
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.03; 1½")



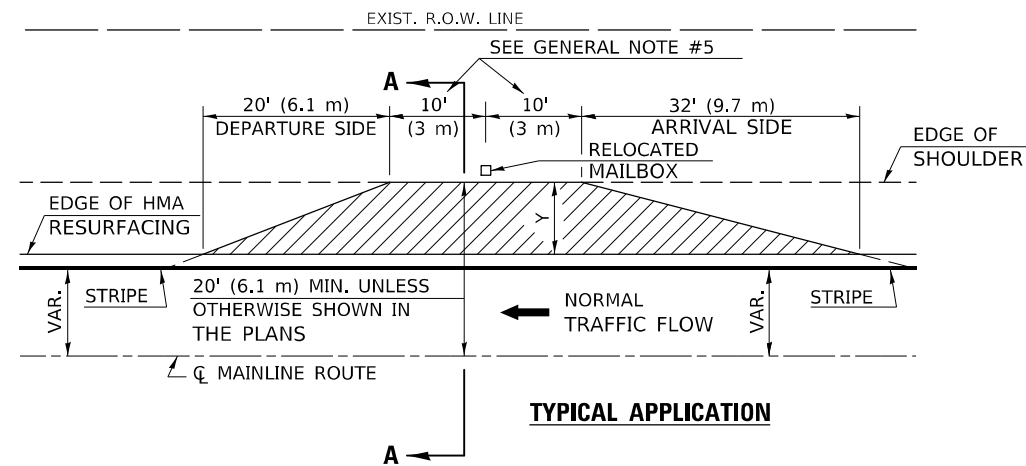
"3P" OR "3R" IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.02; 2¼" OR 2½" ON BARE CONCRETE)



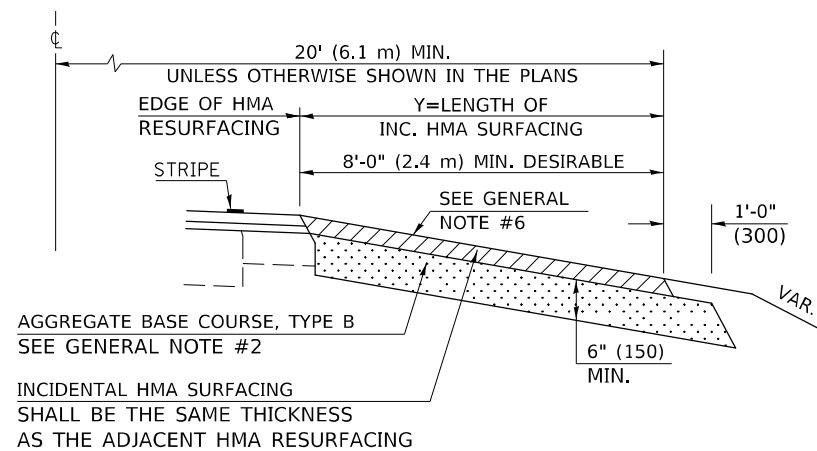
GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED MAILBOX TURNOUTS. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ALL EXISTING MAILBOX TURNOUTS OR TO CONSTRUCT NEW MAILBOX TURNOUTS WHERE NONE NOW EXISTS.
3. ANY NECESSARY WORK BEHIND THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
4. THE TEMPORARY RELOCATION OF EXISTING MAILBOXES SHALL BE IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.
5. WHEN MORE THAN ONE RELOCATED MAILBOX IS INCLUDED IN A PARTICULAR LOCATION THE TWO 10' (3 m) DIMENSIONS AS SHOWN ABOVE SHALL BE FROM THE END MAILBOX.
6. CROSS SLOPE SHALL BE AS SHOWN ON THE STATION CROSS SECTIONS AND/OR AS DIRECTED BY THE ENGINEER.
MINIMUM 4% (1/2") DESIRABLE; MAXIMUM 8% (1")
7. WHEN MAILBOX TURNOUTS ARE CONSTRUCTED ADJACENT TO FIELD ENTRANCES, THE WIDTH OF THE INCIDENTAL HMA SURFACING CONSTRUCTED FOR THE FIELD ENTRANCE SHALL MATCH THE WIDTH OF THE PROPOSED MAILBOX TURNOUT SURFACING.
8. THE TOTAL SHOULDER WIDTH, 2.4 m (8') MINIMUM, SHALL BE PAVED BETWEEN SIDEROADS ENTRANCES AND/OR MAILBOX TURNOUTS AT LOCATIONS WHERE THE DISTANCE BETWEEN RADIUS OR TAPER CONTROL POINTS IS LESS THAN 15.0 m (50').
9. MAILBOXES SHALL BE MOUNTED SUCH THAT THE FACE OF THE MAILBOX IS 6" (150 mm) TO 12" (300 mm) AND THE POST A MINIMUM OF 24" (600 mm) FROM THE EDGE OF THE TURNOUT SURFACING.

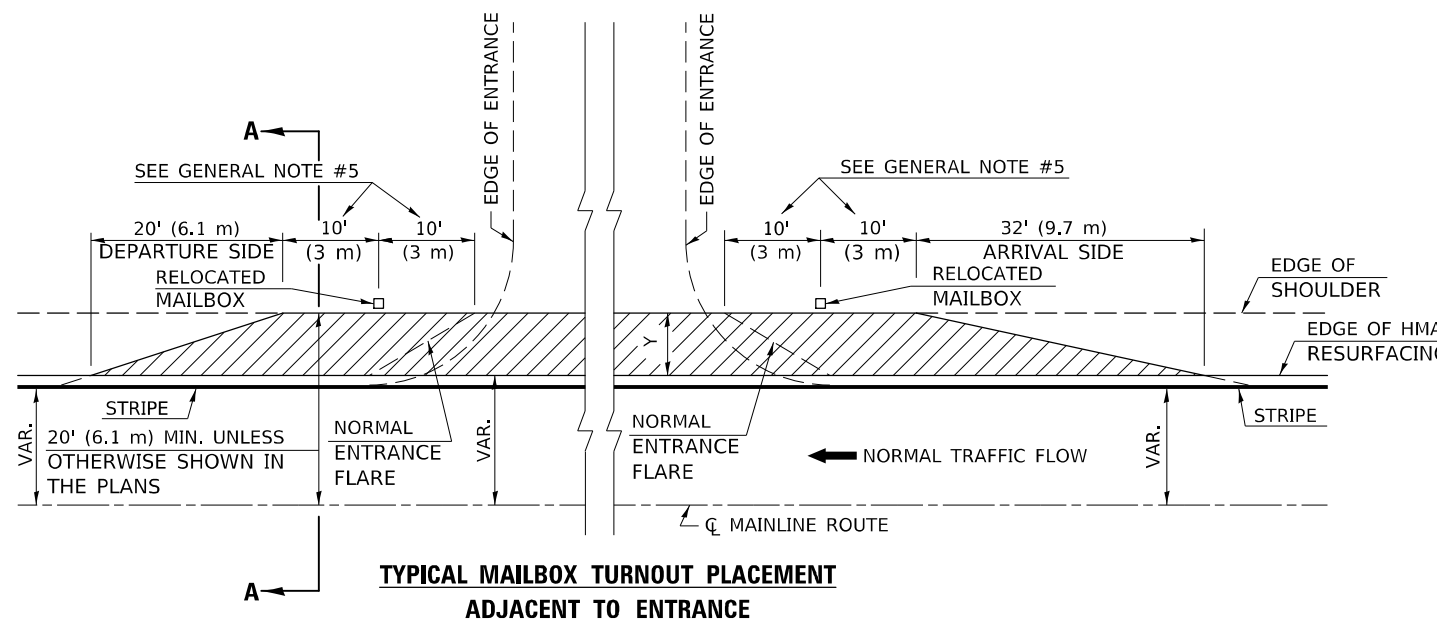
PROJECTS WITH RECONSTRUCTION ("3R" IMPROVEMENTS)



WIDTH OF SHOULDER	4'-0" - 8'-0" (1.2 m - 2.4 m)	10'-0" (3.0 m)
WIDTH OF TURNOUT "Y"	8'-0" (2.4 m)	8'-0" - 10'-0" (2.4 m - 3.0 m)



SECTION A-A



TYPICAL MAILBOX TURNOUT PLACEMENT
ADJACENT TO ENTRANCE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 40800050B

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PLOT DATE = 12/8/2021	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAILBOX TURNOUT (RURAL)

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

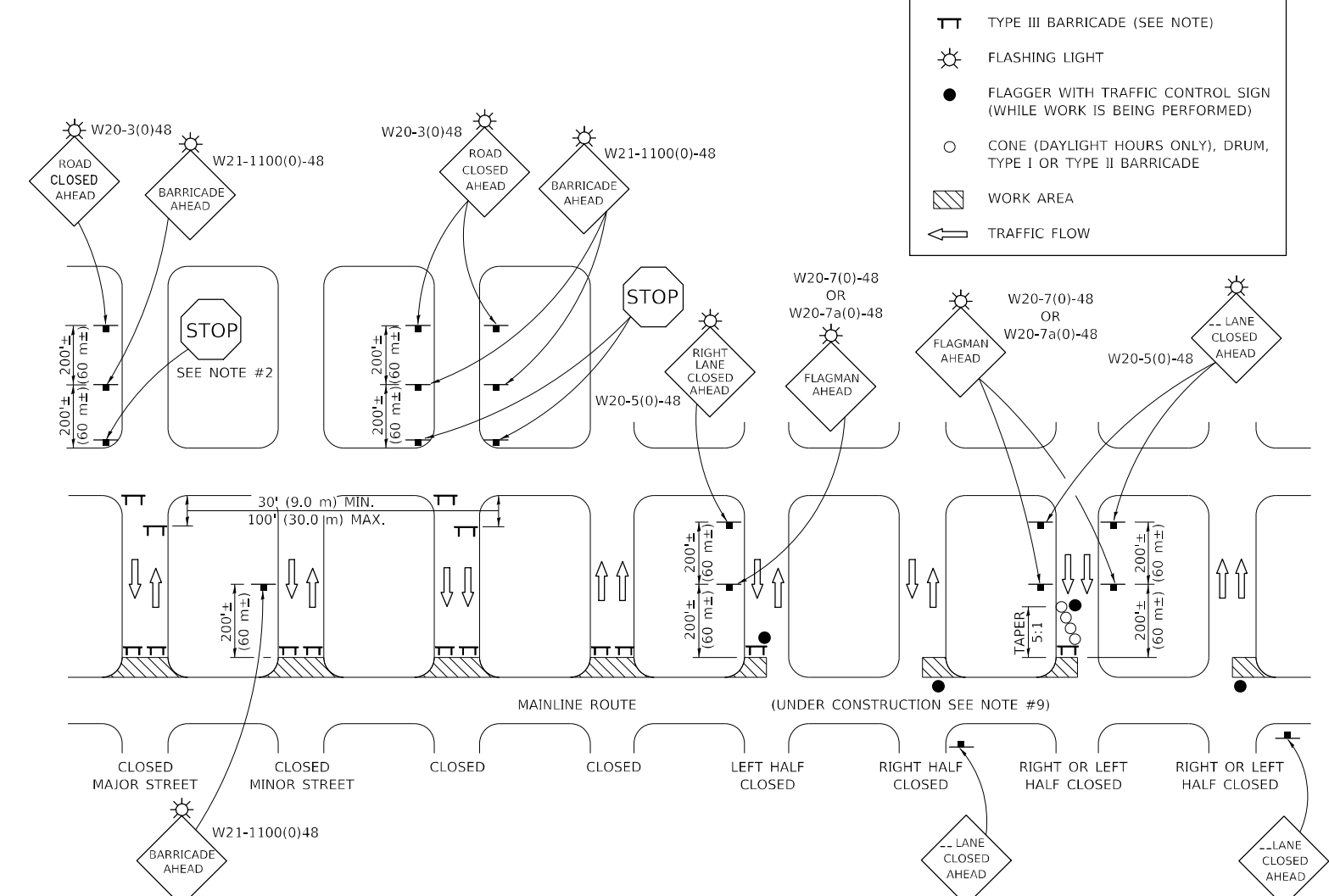
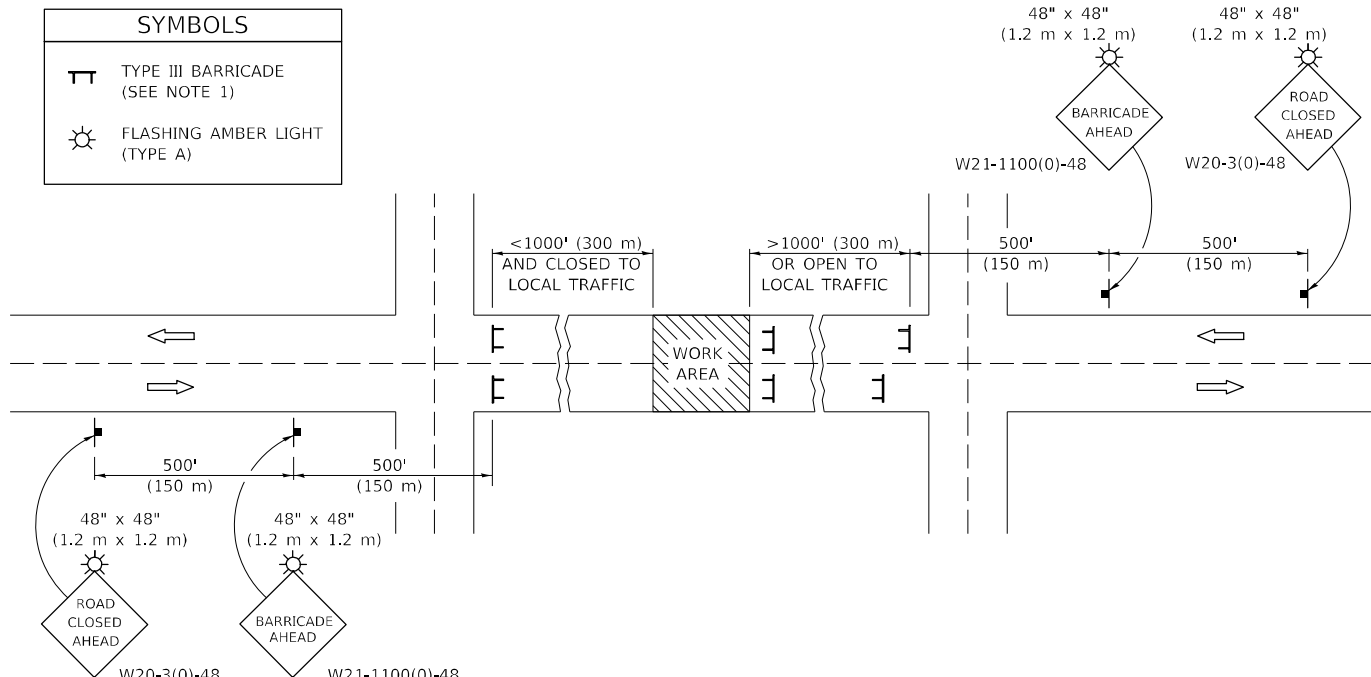
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	48
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

DESIGNER NOTE: SEE HIGHWAY STANDARD 406201

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ROAD CLOSURE

SIDEROAD / STREET CLOSURE



GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
- WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
- REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TYPE III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT. 725 AND BT. 726 ARE REQUIRED.
- WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
- AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.

GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT 725 AND BT 726 ARE REQUIRED.
- THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
- ALL FLAGGERS REQUIRED AT SIDE ROADS AND ENTRANCES REMAINING OPEN TO TRAFFIC AND/OR ADDITIONAL BARRICADES REQUIRED BY THE ENGINEER TO CLOSE SIDE ROADS AND ENTRANCES WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL & PROTECTION DEVICES
(ROAD & SIDEROAD / STREET CLOSURES)**

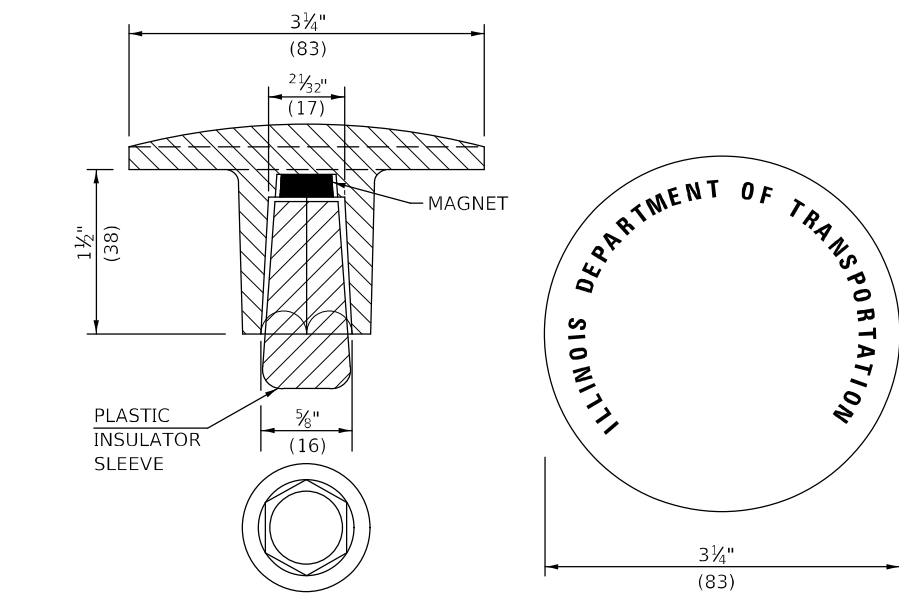
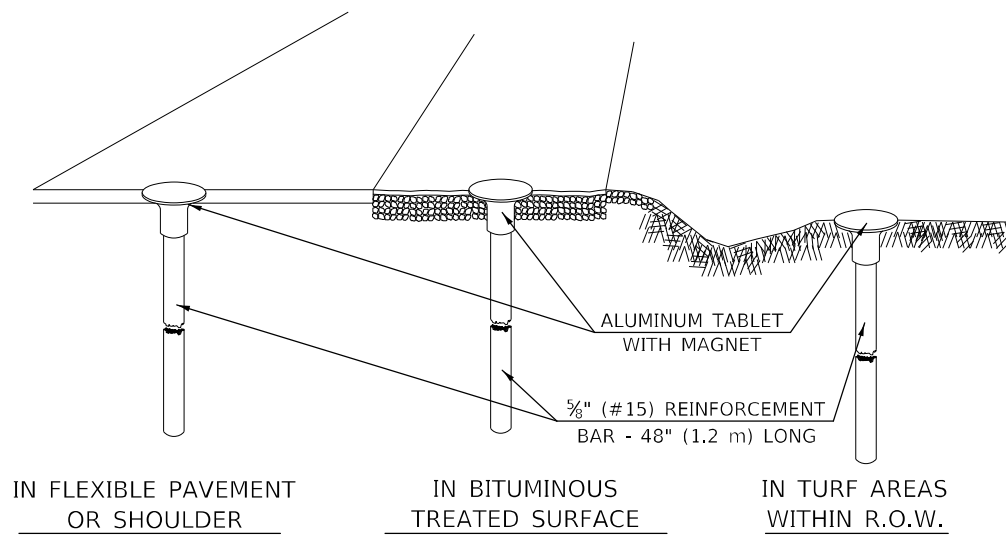
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7020000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	49
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. THE CONTRACT UNIT PRICE, EACH, FOR SURVEY MARKER, TYPE 1 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE REINFORCEMENT BAR AND ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE.
2. ALL SURVEY MARKERS, TYPE 1 (SPECIAL) SHALL BE PLACED ±1/4" (6 mm) BELOW THE FINAL SURFACE.
3. WHEN THE TABLET AND REBAR ARE PLACED AS PART OF A SURVEY MARKER VAULT, THEY SHALL BE CONSIDERED AS INCLUDED IN THAT PAY ITEM AND THERE WILL BE NO PAYMENT FOR THE SURVEY MARKER, TYPE 1 (SPECIAL).

SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR. 3 3/4" (83 mm) CONVEX SURVEY CAP FOR 5/8" (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1 1/2" (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%; STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa). ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

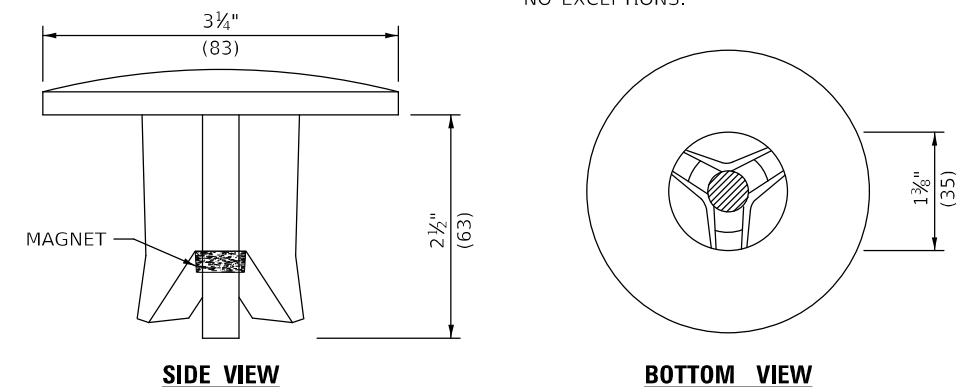
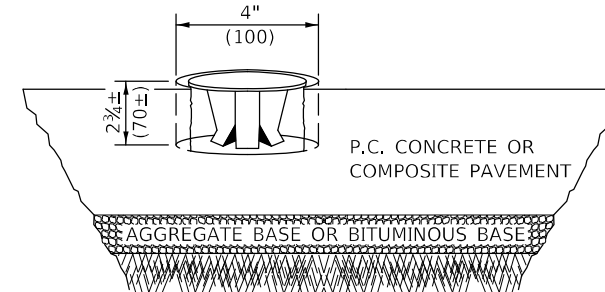
SPECIFICATIONS FOR REBAR

REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE 5/8" (#15) X 48" (1.2 m) (DEFORMED).

INSPECTION OF REINFORCEMENT BAR 5/8" (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.

XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
4. THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
5. THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
6. ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DESIGNER NOTE: BDE 58-8.02 "PLACE MARKERS AT THE PT'S AND PC'S OF ALL HORIZONTAL CURVES AND SPACE THEM ALONG TANGENTS SO THAT TWO MARKERS ARE ALWAYS INTERVISIBLE."

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	DRAWN -	REVISED - 11/10
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

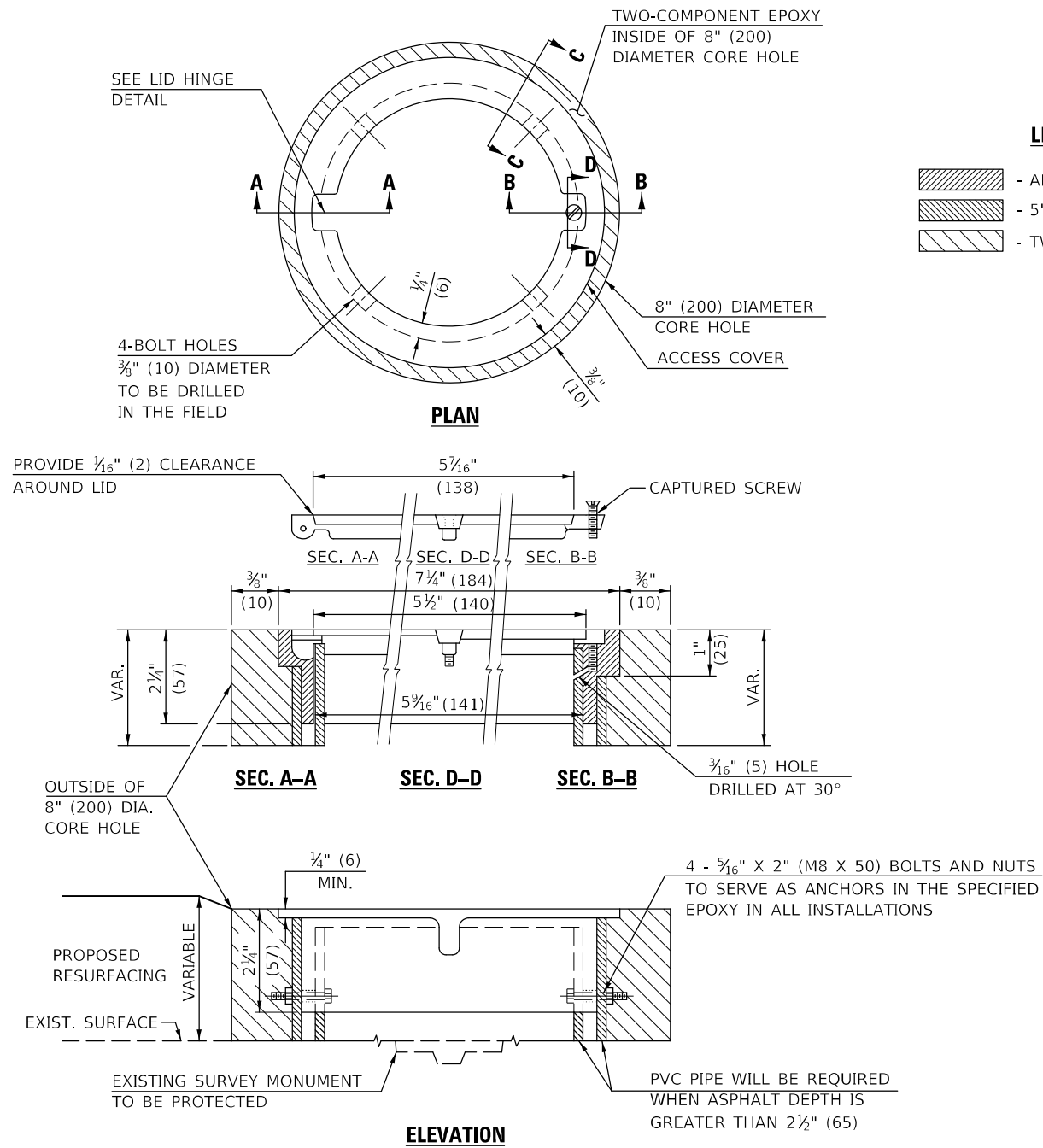
SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

SCALE: SHEET OF SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. XZ193AAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	50
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

TO BE INSTALLED IN ALL PAVEMENT TYPES FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S) AND LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)



LEGEND

- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY

SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; QQ-A-601Es. NO EXCEPTIONS.

BILL OF MATERIAL	
ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS,	
4 EACH - 5/16" X 2" (M8 X 50) BOLTS WITH NUTS, EPOXY,	
5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40 (WHEN REQUIRED).	

GENERAL NOTES

- WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
- THE SURVEY MONUMENT COVER ASSEMBLY SHALL BE CENTERED ABOVE THE SURVEY MONUMENT TO BE PROTECTED.
- MODIFICATION OF THE ALUMINUM CASTING SHALL BE DONE BY GRINDING OR SAWING WHEN HEIGHT REDUCTION IS REQUIRED.
- ALL SURVEY MONUMENT COVER ASSEMBLIES SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.
- ALUMINUM CASTING SHALL BE PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE WHEN AN INCREASE IN HEIGHT IS REQUIRED.
- THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
- THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MONUMENT COVER ASSEMBLY WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING THE NEW PAVEMENT SURFACE AND EPOXY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

MODEL: 140021.MXD FILE: 140021.dwg PROJECT: 10570803 CAD: 10570803-140021.dwg

DISTRICT 5 DETAIL NO. Z0070100

USER NAME = woodst	DESIGNED -	REVISED - 11/06
PLOT SCALE = 40,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 12/8/2021	CHECKED -	REVISED -
	DATE -	REVISED -

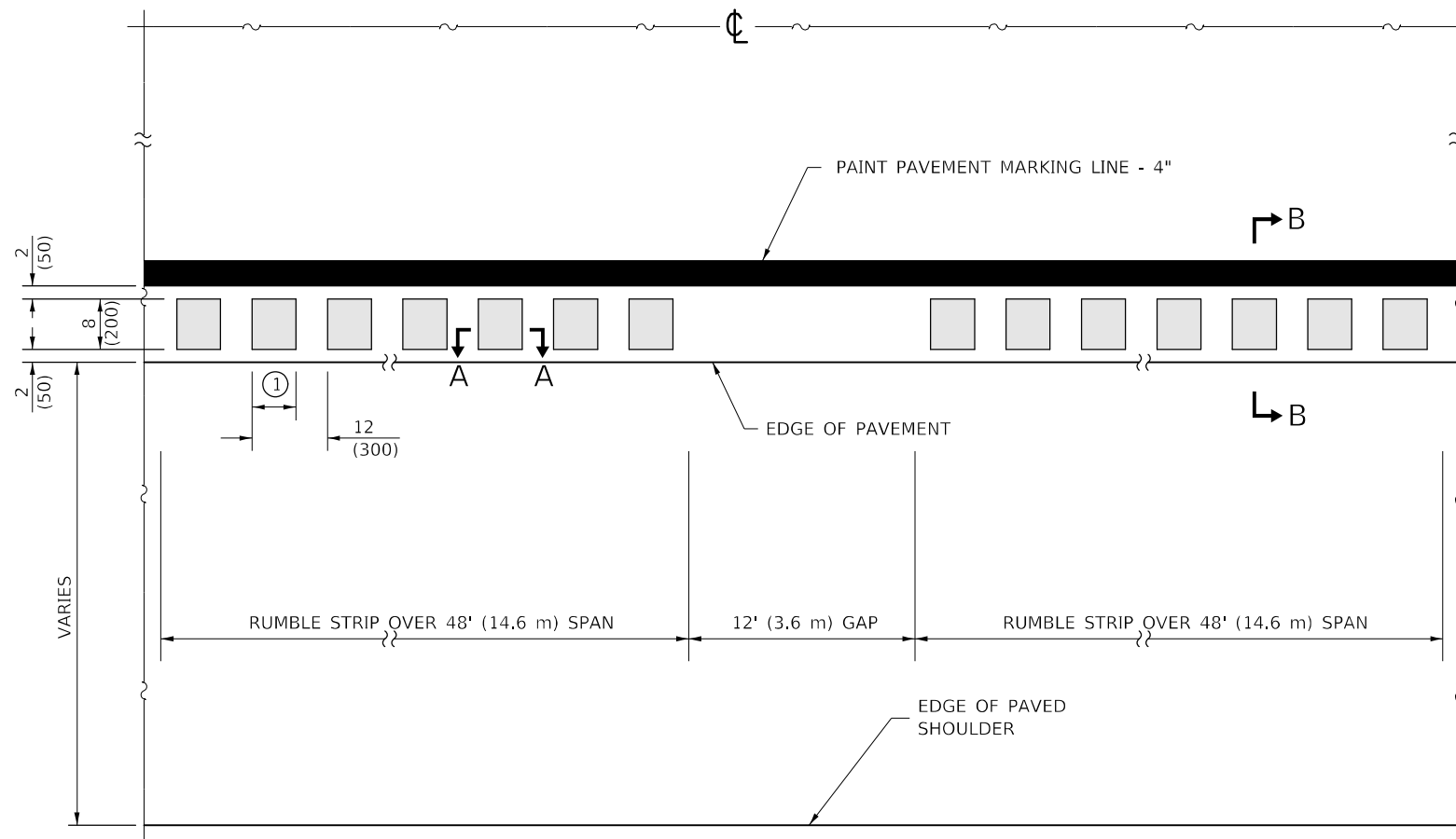
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SURVEY MONUMENT COVER ASSEMBLY

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

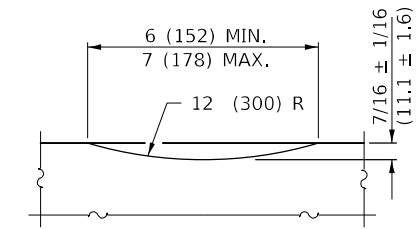
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	51
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

DETAIL FOR EDGELINE RUMBLE STRIP 8 INCH

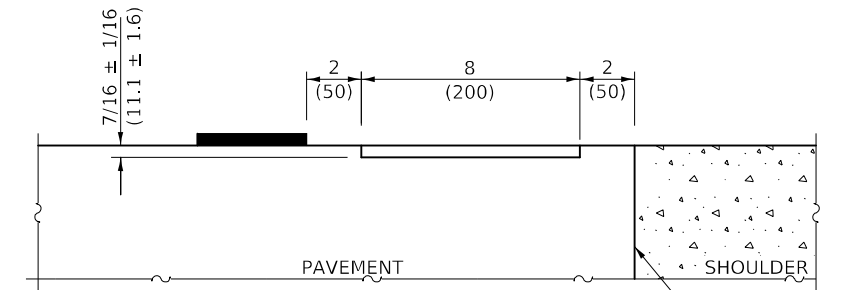


PLAN

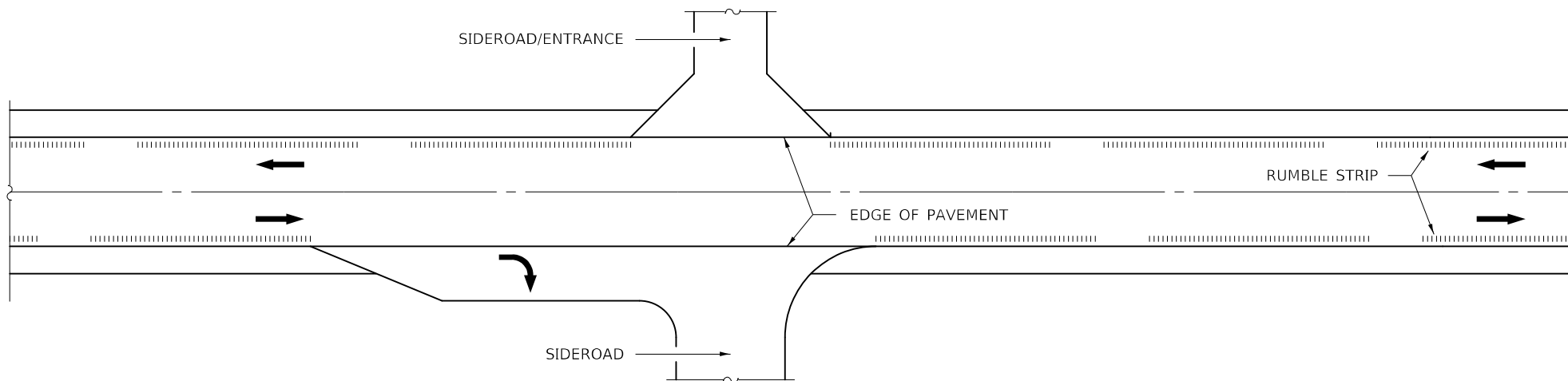
① SEE SECTION A-A.



SECTION A-A



SECTION B-B



TYPICAL APPLICATION AT AN INTERSECTION OR ENTRANCE

GENERAL NOTES

OMIT RUMBLE STRIPS ACROSS STRUCTURES AND AT MAILBOX TURNOUTS.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: I:\MODEL\MRFS FILE: MRFS_Plan\I:\DOT\Documents\DOT Office\Dir\dir: S:\Project\10570803\CADD\Drawings\10570803-RT-rumble_rtp_detail.dgn

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	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAIL FOR EDGELINE RUMBLE STRIP 8 INCH

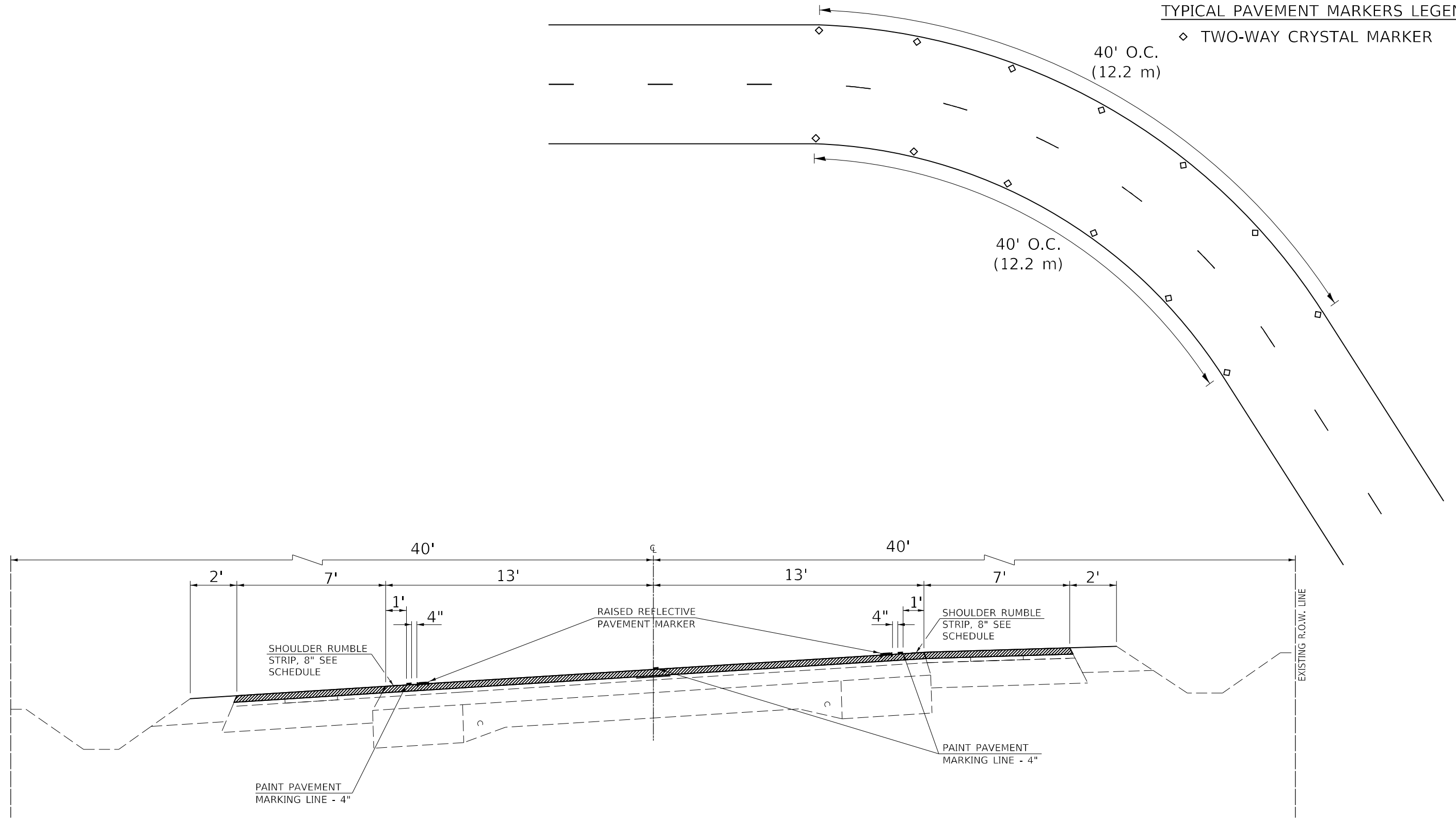
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	52
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				

RAISED REFLECTIVE PAVEMENT MARKER DETAIL ON HORIZONTAL CURVES

TYPICAL PAVEMENT MARKERS LEGEND

◇ TWO-WAY CRYSTAL MARKER



MODEL: \\MODEL\MARF
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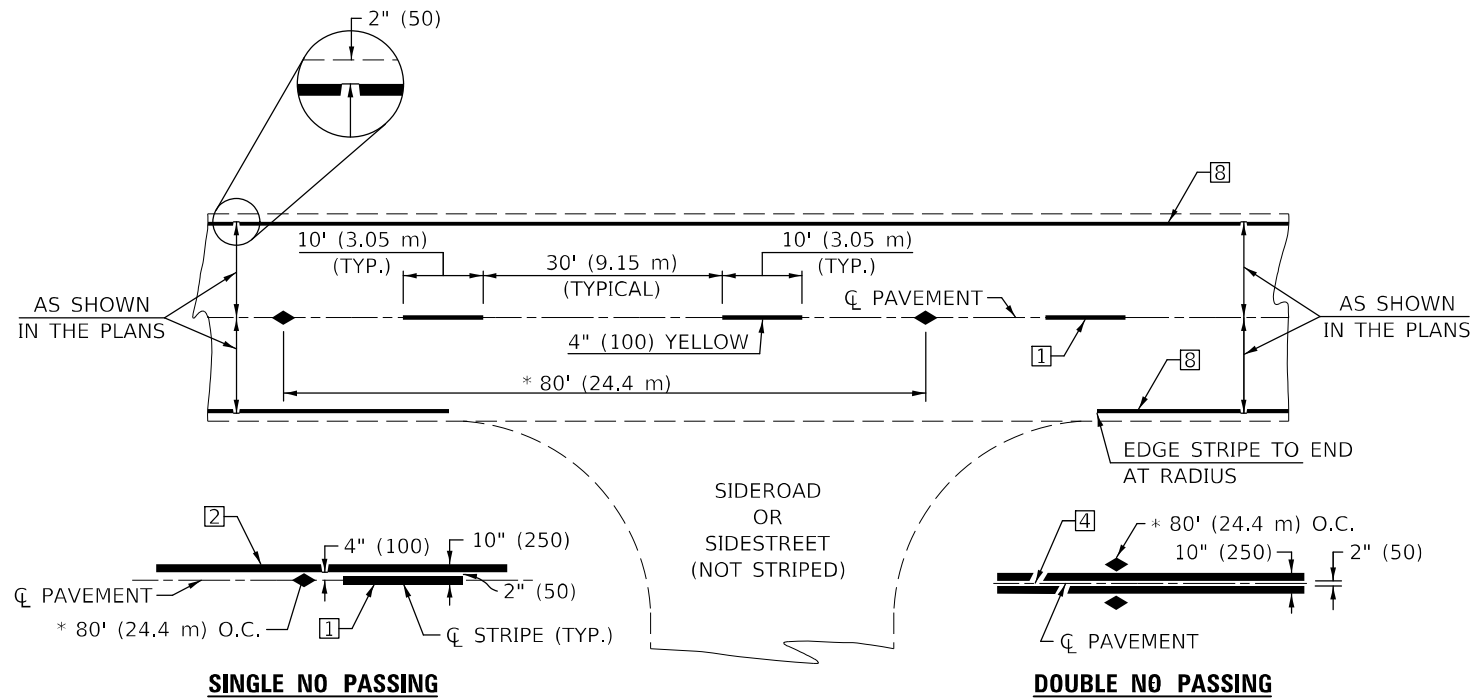
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	DRAWN -	REVISED -
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PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RAISED REFLECTIVE PAVEMENT MARKER
DETAIL ON HORIZONTAL CURVES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	53
CONTRACT NO. 70B03				
ILLINOIS FED. AID PROJECT				



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

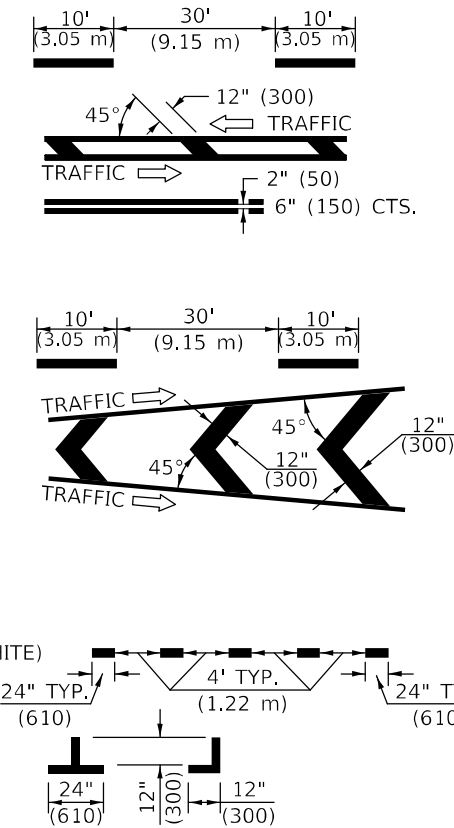
TWO LANE/TWO WAY

TYPICAL PAVEMENT MARKING LEGEND

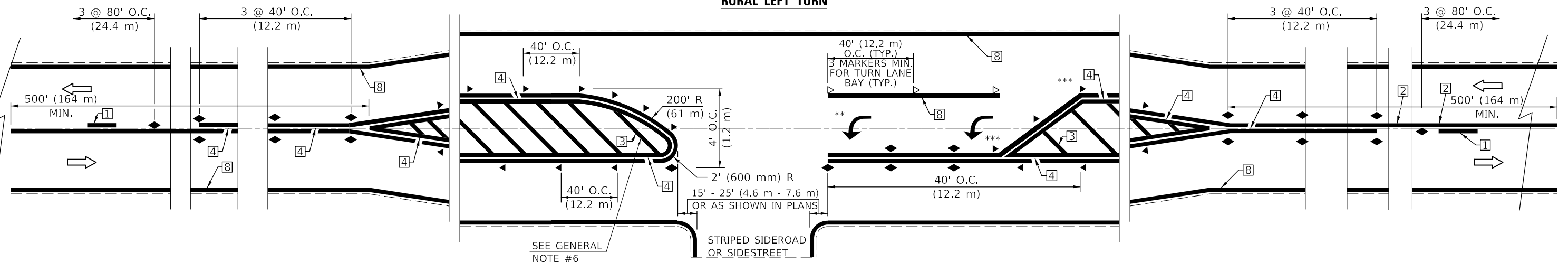
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER



RURAL LEFT TURN



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.
 ** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

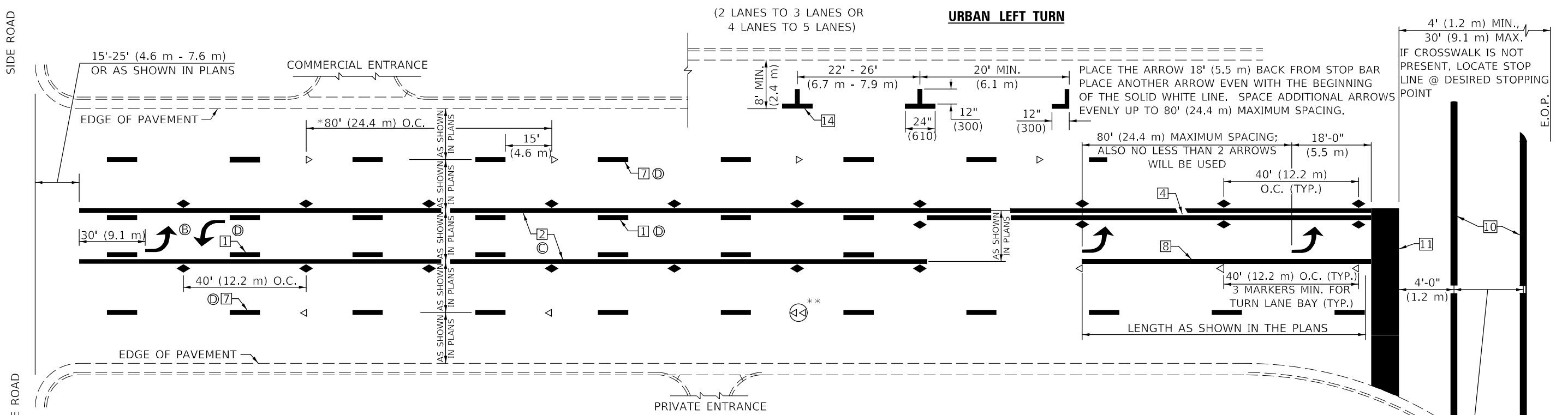
**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

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	DRAWN -	REVISED - 9/2009 KJT
PLOT SCALE = 40,0000 */ in.	CHECKED -	REVISED - 04/14 JLA
PLOT DATE = 12/8/2021	DATE -	REVISED - 3/2019 SWN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	54
CONTRACT NO. 70B03				

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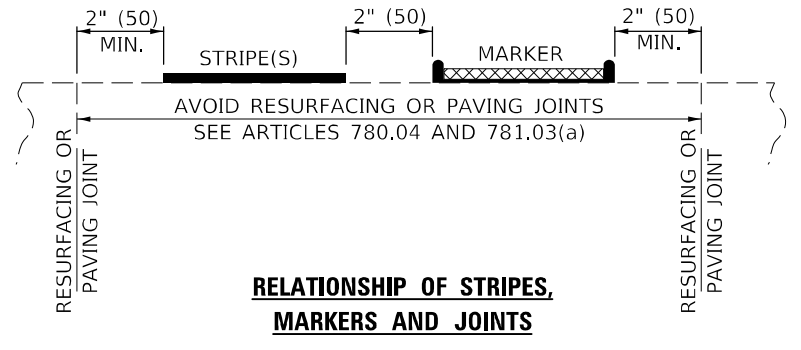
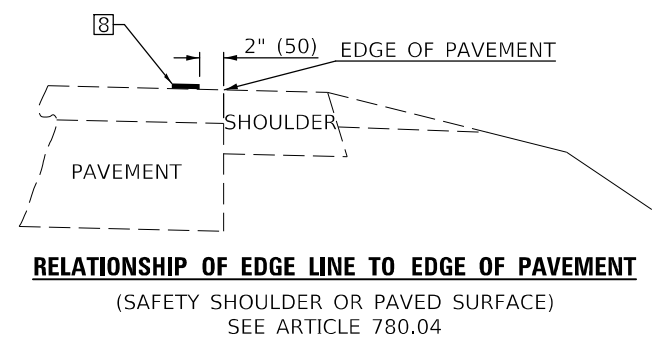
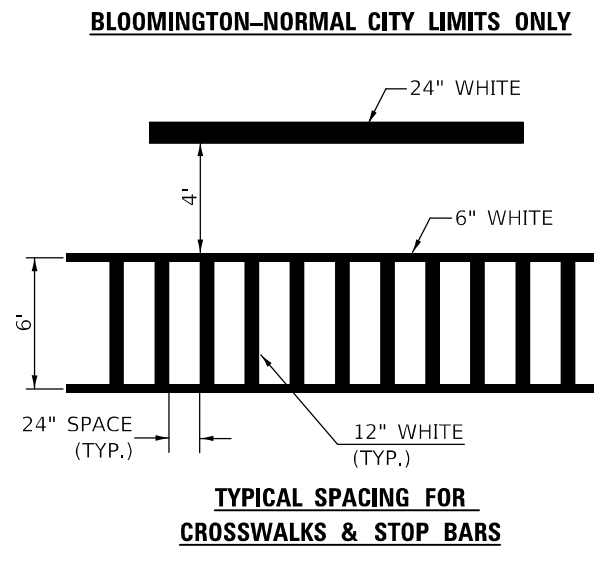
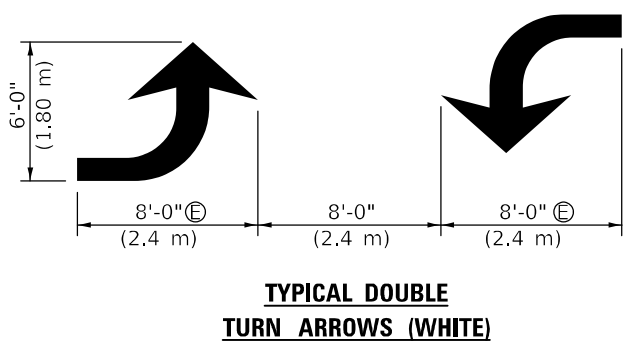
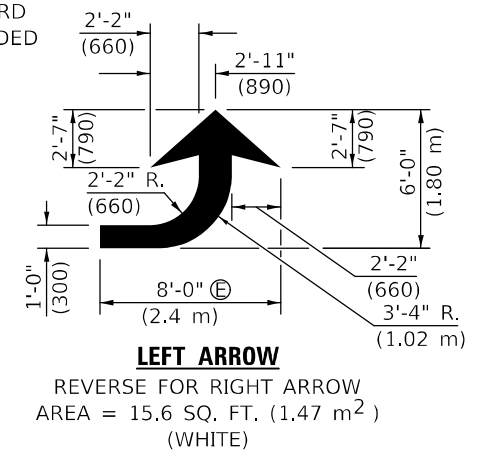


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

GENERAL NOTES:

- (B) TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
- (C) THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- (D) THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
- (E) USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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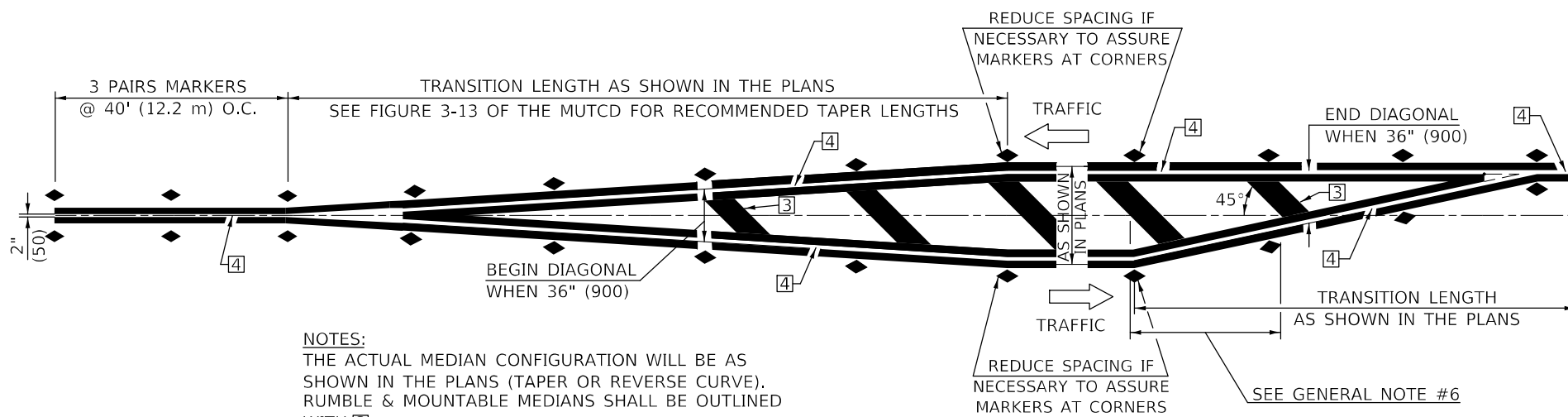
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PLOT DATE = 12/8/2021	DATE -	REVISED - 3/2019 SWN

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

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

DISTRICT 5 DETAIL NO. 7800AAAA				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	55
			CONTRACT NO. 70B03	
			ILLINOIS FED. AID PROJECT	

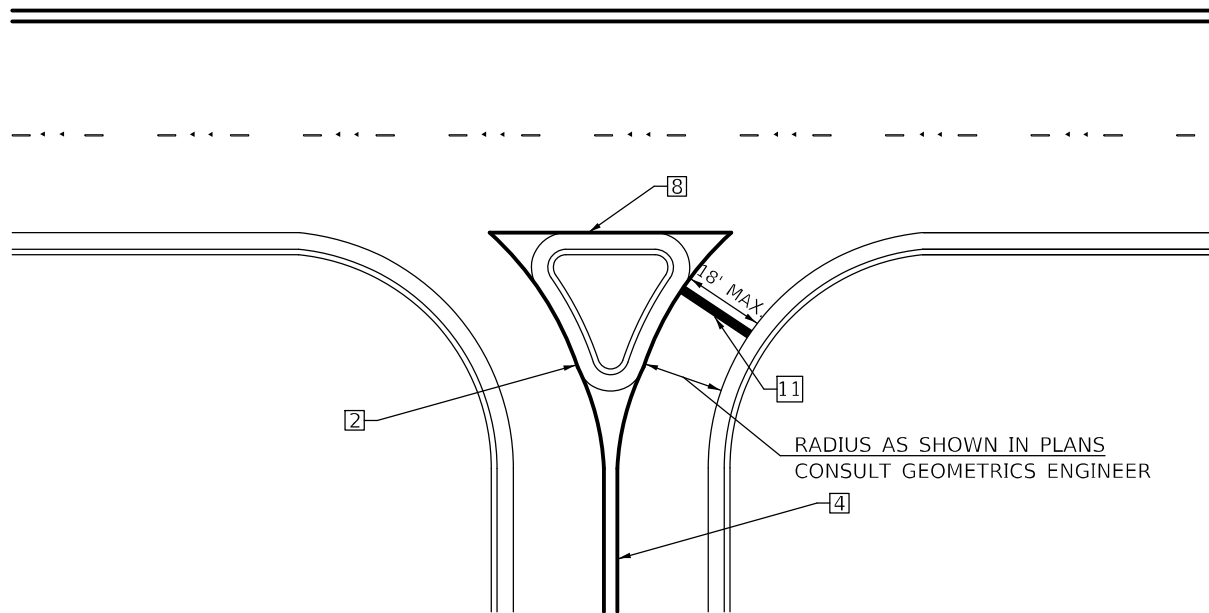


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE). RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

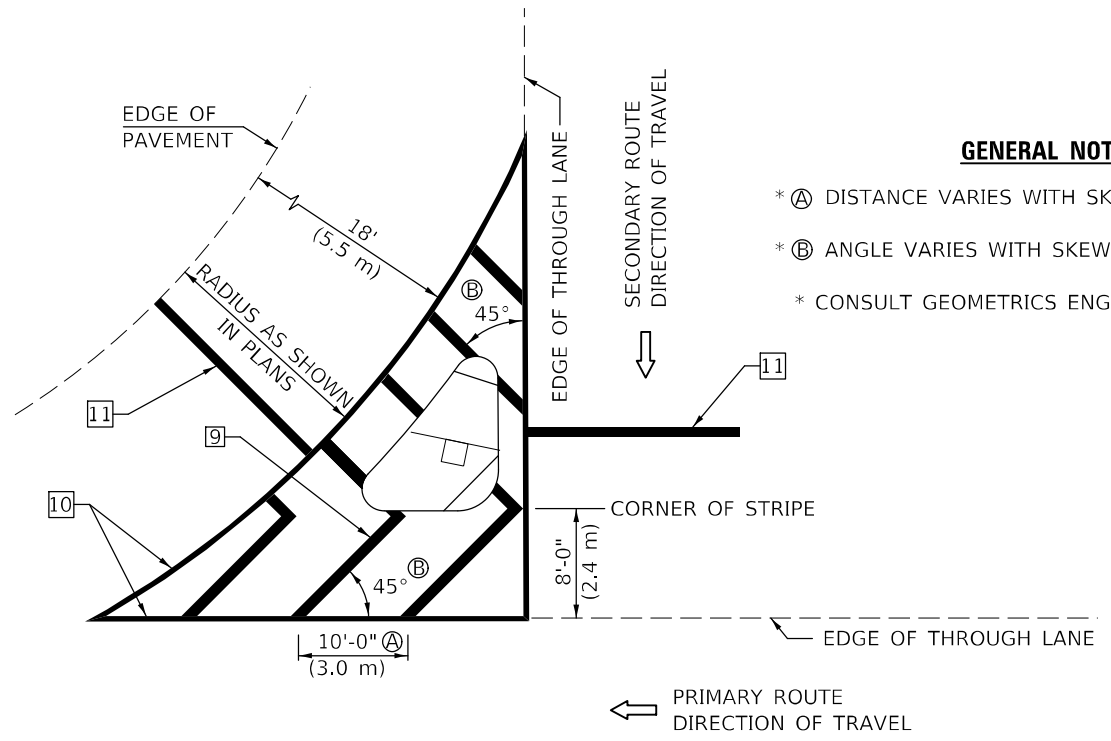
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
 <30 MPH USE 15' (<50 km/h USE 4.5 m)
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
 >45 MPH USE 30' (>75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



ISLAND

GENERAL NOTES

- * A DISTANCE VARIES WITH SKEW OF INTERSECTION.
- * B ANGLE VARIES WITH SKEW OF INTERSECTION.
- * CONSULT GEOMETRICS ENGINEER

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

MODEL: I:\MODEL MARKS
 FILE: MARKS_PAVEMENT.dwg
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 DATE: 12/8/2021

USER NAME = woodst	DESIGNED -	REVISD - 11/06
	DRAWN -	REVISD - 9/2009 KJT
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PLOT DATE = 12/8/2021	DATE -	REVISD - 3/2019 SWN

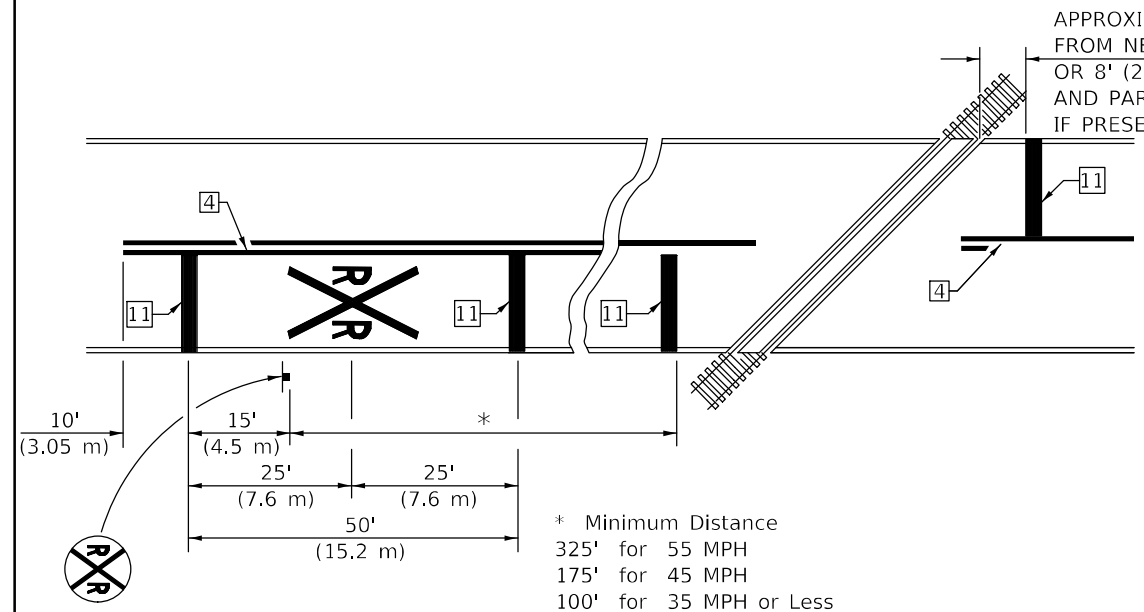
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
 (RURAL & URBAN APPLICATIONS)**

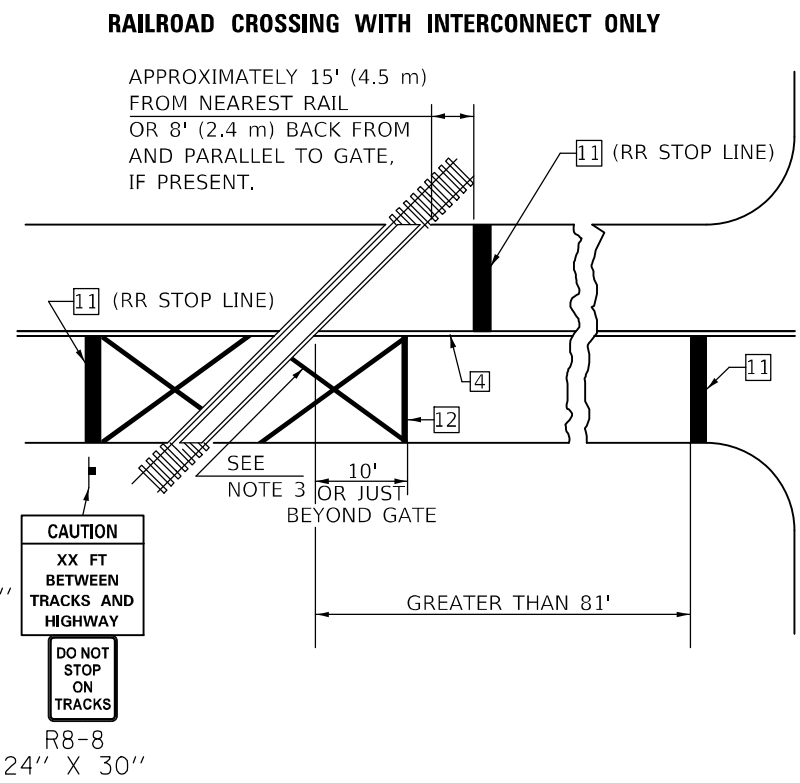
SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAAA				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	56
			CONTRACT NO. 70B03	
ILLINOIS FED. AID PROJECT				

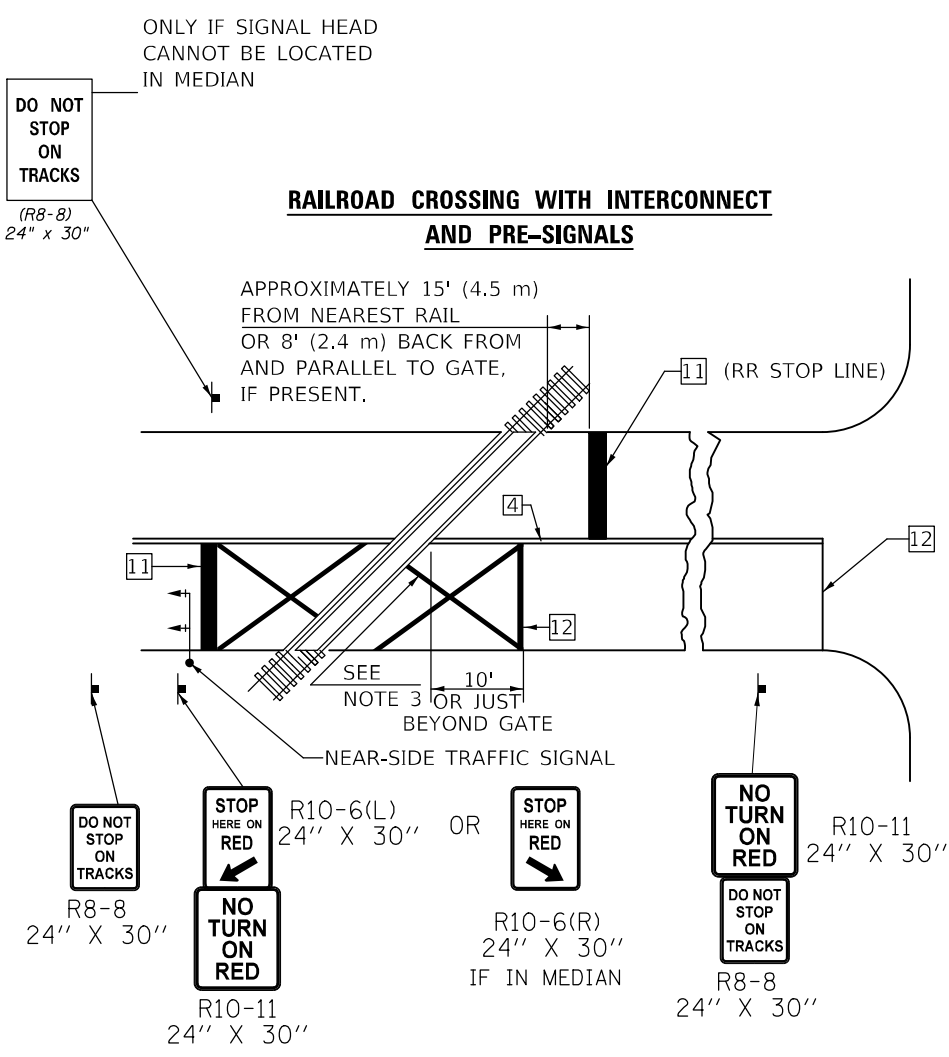
DESIGNER NOTE: SEE TABLE 2C-4 OF THE MUTCD FOR ADDITIONAL INFORMATION



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



RAILROAD CROSSING WITH INTERCONNECT ONLY



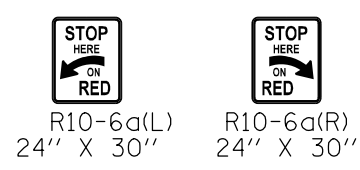
RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS

GENERAL NOTES

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
3. 6" WHITE PAVEMENT MARKINGS AT 45° TO PAVEMENT, 8' CENTER TO CENTER.
4. XX DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICH EVER IS CLOSEST, ROUNDED DOWN TO NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
5. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTENDED TO THE INTERSECTION.

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

ALTERNATE SIGNS



NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-4	DOUGLAS	57	57
CONTRACT NO. 70B03				

USER NAME = woodst	DESIGNED -	REVISED - 11/06
	DRAWN -	REVISED - 9/2009 KJT
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED - 04/14 JLA
PLOT DATE = 12/8/2021	DATE -	REVISED - 3/2019 SWN

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

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