

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

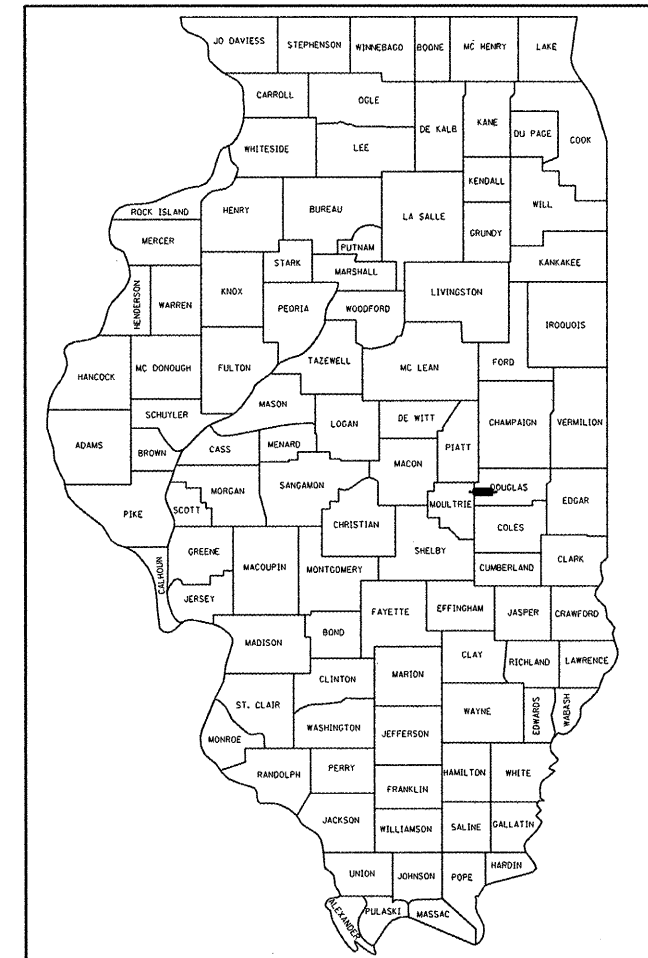
F.A.P. ROUTE 749 (IL 133)
SECTION 120RS-3
PROJECT ESP-F-0749(022)
RESURFACING (3P) & CULVERT REPLACEMENT
DOUGLAS & MOULTRIE COUNTY

FROM JUST WEST OF THE MOULTRIE CO
LINE TO THE ECL OF ARTHUR
C-95-058-02

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-3	ILLINOIS	55	1

CONTRACT NO. 70234
• DOUGLAS & MOULTRIE

D-95-031-02



LOCATION OF SECTION INDICATED THIS: - [Black Box] -

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-6

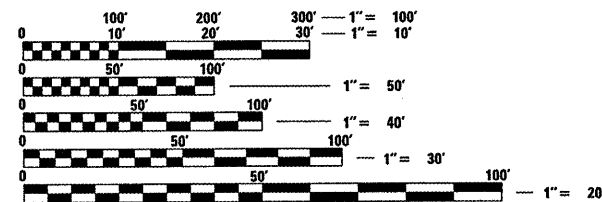
STRUCTURE INFORMATION

SN 021-8055 TO BE CONSTRUCTED

PROPOSED SN 021-8055
STA. 2+48.30, 1 @ 9 X 2 X 73'-9 1/8"
PCBC W/ CIP END SECTIONS

CURRENT TRAFFIC DATA

LEG A 5,700 (2009)
LEG B 4,050 (2009)

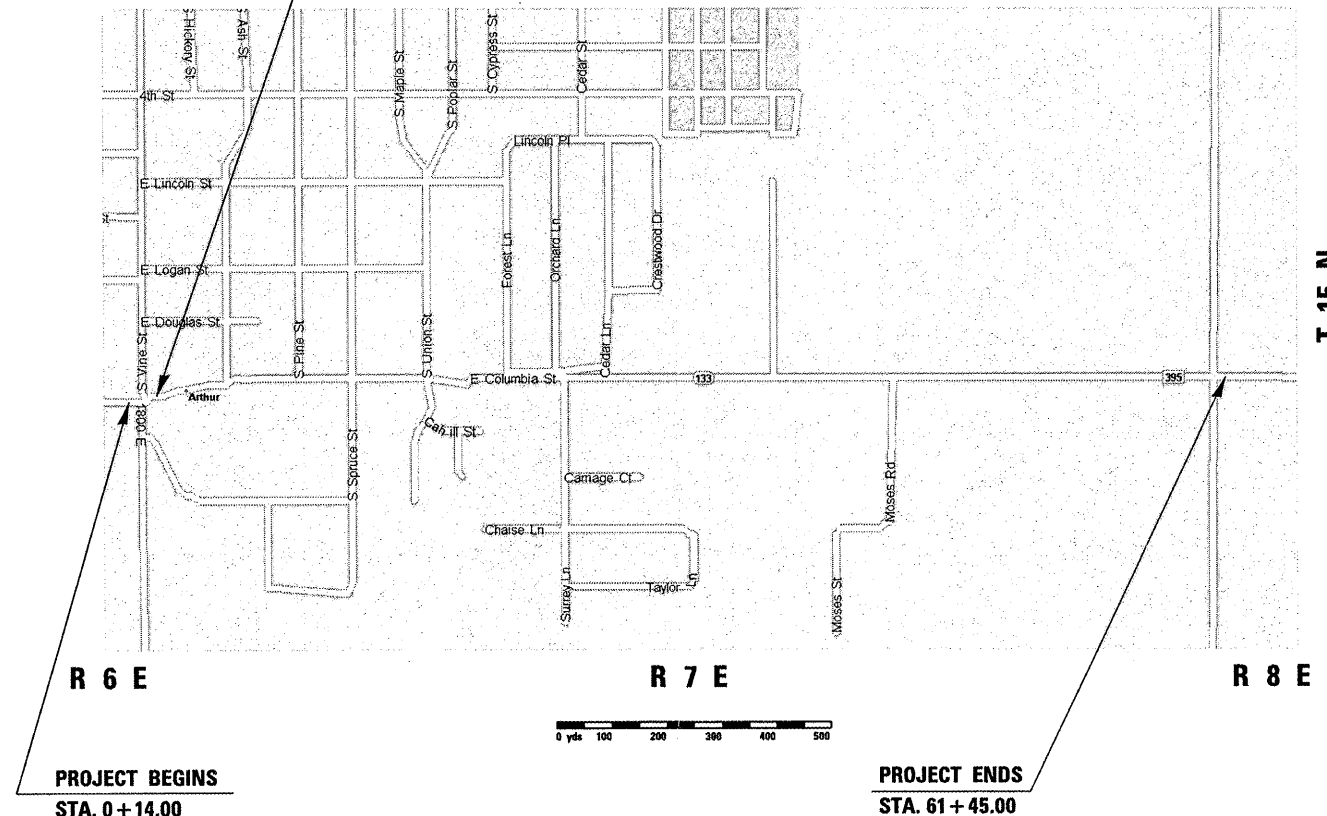


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: KEVIN TRAPP
DESIGNER: MATT BOWER

CONTRACT NO. 70234



GROSS LENGTH = 6131.00 FT. = 1.161 MILE
NET LENGTH = 6131.00 FT. = 1.161 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 12/04 20 09

Joseph E. Crowl
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

January 21, 20 10
Scott E. Stitt P.E. RD
Acting ENGINEER OF DESIGN AND ENVIRONMENT

January 21, 20 10
Christine M. Reed RD
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-03	NAME PLATES FOR BRIDGES
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606201-02	TYPE B GUTTER (INLET, OUTLET & ENTRANCE)
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5 M (15') AWAY
701006-03	OFF-ROAD OPERATIONS, 2L, 2W, 4.5 M (15') TO 600 MM (24") FROM PAVEMENT EDGE
701011-02	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATION - DAY ONLY
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

*DOULGLAS & MOULTRIE

FILE NAME =	USER NAME = bowerml	DESIGNED - MLB	REVISED -
c:\pw_work\PWIDOT\BOWERML\dms85036\70234	INDEX HGWY STNDRD.dgn	DRAWN - MLB	REVISED -
PLOT SCALE = 48.0000' / IN.	CHECKED -	REVISOR -	REVISED -
PLOT DATE = 12/3/2009	DATE - 11/10/09	REVISOR -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS
HIGHWAY STANDARDS

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	12ORS-3	*	55	2
CONTRACT NO. 70234				
ILLINOIS FED. AID PROJECT				

G.N.-100
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT.
WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

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

G.N.-406.05b
ALL LEVELING BINDER OR BINDER SHALL BE GIVEN A FOG COAT OF PRIME BEFORE THE SURFACE COURSE IS PLACED WHEN DIRECTED BY THE ENGINEER.

THE FOG COAT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER GALLON FOR BITUMINOUS MATERIAL (PRIME COAT) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-406F
THIS JOB INCLUDES LEVELING BINDER OF 1-1/4 INCHES OR GREATER THICKNESS. LOCATIONS OF LEVELING BINDER EQUAL TO OR GREATER THAN 1-1/4 INCHES IN THICKNESS ARE AS FOLLOWS:

THE ENTIRE FIRST (BOTTOM) LIFT OF THE HMA SHOULDERS WILL BE 1-1/4 INCHES.

THE ABOVE LIST MAY NOT BE ALL INCLUSIVE DUE TO CONSTRUCTION VARIATIONS, VARIATIONS BETWEEN PLOTTED CROSS-SECTIONS, OR OTHER REASONS. ALL APPLICABLE REQUIREMENTS OF SECTION 406 OF THE STANDARD SPECIFICATIONS WILL BE ENFORCED FOR ALL LEVELING BINDER CONSTRUCTED 1-1/4 INCHES OR THICKER.

GN 406H Mixture Requirements

Location	IL 133	IL 133	IL 133	IL 133	IL 133
Mixture Use	Surface	Incid	Level Binder & Bottom 1 1/4" HMA Shldr	Top 1 1/2" Shldr	Class D Patch & Base Course (Option)
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (Max)	10	10	15	10	15
Design Air Voids	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
Mix Comp(Gradation)	IL 9.5	IL 9.5	IL 9.5	IL 9.5	IL 19.0
Friction Aggregate	Mix D	Mix C	Mix C	See Spec. Prov.	N.A.

G.N.-442B -- PATCHING SCHEDULES
THE PATCHING SCHEDULES INCLUDED IN THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATION AND SIZES OF BOTH FULL-DEPTH AND PARTIAL-DEPTH PATCHES MAY OCCUR.

G.N.-482
ALL MATERIAL PLACED AS HOT-MIX ASPHALT SHOULDERS SHALL BE COMPACTED TO 94.0 TO 98.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY. THIS REQUIREMENT SHALL APPLY TO IL 9.5L GRADATION SHOULDER MIXES AND OTHER MIXES (BOTTOM LIFT OF SHOULDERS). THIS MAXIMUM DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE OF FOUR TESTS AS IN OTHER QC/QA TESTING. A NUCLEAR GAUGE DENSITY/CORE CORRELATION SHALL BE PERFORMED FOR THE IL 9.5L MIXES AND OTHER MIXES USING STANDARD CORRELATION PROCEDURES.

G.N.-540
THE CONTRACTOR SHALL ASSEMBLE AND MATCH-MARK THE PRECAST BOX CULVERT SECTIONS AND END SECTIONS PRIOR TO SHIPMENT OF THESE COMPONENTS FROM THE MANUFACTURER, AND AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER FIT ON EACH JOINT. ANY SECTIONS OR END SECTIONS WHICH DO NOT PROVIDE A PROPER FIT AT THE JOINT SHALL BE REJECTED BY THE ENGINEER AND REPLACED BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION BEING ALLOWED.

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR PRECAST CONCRETE BOX CULVERTS OF THE SIZE SPECIFIED.

G.N.-667
THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC, PT, AND PI). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR SETTING THESE MARKERS.

G.N.-703A
SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND 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
RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPANCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

COMMITMENTS:

1) PARCEL NO. 5358001: AS A RESULT OF RIGHT OF WAY NEGOTIATIONS, THE PROPERTY OWNERS MR. TERRELL E. EDWARDS & MRS. BARBARA S. EDWARDS OF 531 S. VINE STREET, ARTHUR, IL 61911, 217-543-2757 HAVE REQUESTED THAT THEY BE CONTACTED PRIOR TO TRIMMING THE TREES ON THEIR PROPERTY TO SEE IF THEY WOULD LIKE THEM REMOVED. IF THIS WORK IS TO BE DONE, IT WILL BE PAID FOR ACCORDING TO ARTICLE 109.04. LOCATED ON THE PROPOSED RIGHT OF WAY A WELL IS LOCATED THAT IS TO BE FILLED IN. THE PUMP IS TO BE GIVEN TO MR. TERRELL E. EDWARDS & MRS. BARBARA S. EDWARDS.

*DOUGLAS & MOULTRIE

FILE NAME = c:\pwork\PWIDOT\BOWERML\dms65036\70234	USER NAME = bowerml GENERAL NOTES.dgn	DESIGNED - MLB DRAWN - MLB	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE. 749	SECTION 120RS-3	COUNTY *	TOTAL SHEETS 55	SHEET NO. 3		
PLOT SCALE = 40.0000' / IN.						SCALE: N/A	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 70234			
PLOT DATE = 12/3/2009						DATE - 11/10/09	ILLINOIS FED. AID PROJECT					

LOCATION OF WORK:				F	F	F	ESP	ESP	NP
				FAP 749 (IL 133) MOULTRIE COUNTY STA 0+14.00 TO STA 1+87.40	FAP 749 (IL 133) DOUGLAS COUNTY STA. 1+87.40 TO STA. 61+45.00	FAP 749 (IL 133) DOUGLAS COUNTY S.N. 021-8055 STA 2+48.30	FAP 749 (IL 133) MOULTRIE COUNTY STA 0+14.00 TO STA 1+87.40 HMA SHOULDERS 80% ARRA 20% STATE	FAP 749 (IL 133) DOUGLAS COUNTY STA. 1+87.40 TO STA. 61+45.00 HMA SHOULDERS 80% ARRA 20% STATE	FAP 749 (IL 133) DOUGLAS COUNTY SPAN-WIRE FLASHING BEACON 50% ARTHUR 50% STATE
FUNDING BREAKOUT:				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% ARRA 20% STATE	80% ARRA 20% STATE	50% ARTHUR 50% STATE
CONSTRUCTION TYPE CODE:				1000	1000	Y007	SFTY-2A	SFTY-2A	Y031-1F
CODE NO	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
20200100	EARTH EXCAVATION	CU YD	145.0	19.0	20.0	106.0	0.0	0.0	0.0
20200500	EARTH EXCAVATION (WIDENING)	CU YD	34.0	20.0	14.0	0.0	0.0	0.0	0.0
20400800	FURNISHED EXCAVATION	CU YD	19.0	0.0	0.0	19.0	0.0	0.0	0.0
20700220	POROUS GRANULAR EMBANKMENT	CU YD	49.0	0.0	0.0	49.0	0.0	0.0	0.0
25000210	SEEDING, CLASS 2A	ACRE	0.25	0.0	0.25	0.0	0.0	0.0	0.0
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	22.5	0.0	22.5	0.0	0.0	0.0	0.0
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	22.5	0.0	22.5	0.0	0.0	0.0	0.0
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	22.5	0.0	22.5	0.0	0.0	0.0	0.0
25100115	MULCH, METHOD 2	ACRE	0.25	0.0	0.25	0.0	0.0	0.0	0.0
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	25.0	0.0	25.0	0.0	0.0	0.0	0.0
28000305	TEMPORARY DITCH CHECKS	FOOT	38.0	0.0	19.0	19.0	0.0	0.0	0.0
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	798.0	280.0	518.0	0.0	0.0	0.0	0.0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,725.0	77.0	1694.0	0.0	27.0	927.0	0.0
40600300	AGGREGATE (PRIME COAT)	TON	109.0	3.0	68.0	0.0	1.0	37.0	0.0
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	1,412.0	40.0	704.0	0.0	19.0	649.0	0.0
40600895	CONSTRUCTING TEST STRIP	EACH	1.0	0.0	1.0	0.0	0.0	0.0	0.0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	3,196.0	154.0	3042.0	0.0	0.0	0.0	0.0
40600990	TEMPORARY RAMP	SQ YD	498.0	107.0	391.0	0.0	0.0	0.0	0.0
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1,488.0	42.0	1446.0	0.0	0.0	0.0	0.0
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	219.0	24.0	195.0	0.0	0.0	0.0	0.0
40800030	AGGREGATE (PRIME COAT)	TON	5.0	0.5	4.5	0.0	0.0	0.0	0.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	368.0	40.0	328.0	0.0	0.0	0.0	0.0
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	533.0	0.0	533.0	0.0	0.0	0.0	0.0
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	412.0	165.0	247.0	0.0	0.0	0.0	0.0
42400800	DETECTABLE WARNINGS	SQ FT	20.0	10.0	10.0	0.0	0.0	0.0	0.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	17,712.0	501.0	17211.0	0.0	0.0	0.0	0.0
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	9,538.0	0.0	0.0	0.0	9268.0	270.0	0.0
44000196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	648.0	324.0	324.0	0.0	0.0	0.0	0.0

* SPECIALTY ITEMS

*DOUGLAS & MOULTRIE

FILE NAME =	USER NAME = bowerml	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\PWIDOT\BOWERML\dms85036\70234	SDD.dgn	DRAWN -	REVISED -						749	12ORS-3	*	55	4
	PLOT SCALE = 48,0000' / IN.	CHECKED -	REVISED -		SCALE: N/A	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 70234		
	PLOT DATE = 12/3/2009	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

	F	F	F	ESP	ESP	NP
LOCATION OF WORK:	FAP 749 (IL 133) MOULTRIE COUNTY STA 0+14.00 TO STA 1+87.40	FAP 749 (IL 133) DOUGLAS COUNTY STA. 1+87.40 TO STA. 61+45.00	FAP 749 (IL 133) S.N. 021-8055 STA 2+48.30	FAP 749 (IL 133) MOULTRIE COUNTY STA 0+14.00 TO STA 1+87.40 HMA SHOULDERS 80% ARRA 20% STATE	FAP 749 (IL 133) DOUGLAS COUNTY STA. 1+87.40 TO STA. 61+45.00 HMA SHOULDERS 80% ARRA 20% STATE	FAP 749 (IL 133) DOUGLAS COUNTY SPAN-WIRE FLASHING BEACON 50% ARTHUR 50% STATE
FUNDING BREAKOUT:	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE			
CONSTRUCTION TYPE CODE:	1000	1000	Y007	SFTY-2A	SFTY-2A	Y031-1F

CODE NO	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	533.0	0.0	533.0	0.0	0.0	0.0	0.0
44000300	CURB REMOVAL	FOOT	194.0	0.0	194.0	0.0	0.0	0.0	0.0
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	138.0	105.0	33.0	0.0	0.0	0.0	0.0
44000600	SIDEWALK REMOVAL	SQ FT	96.0	96.0	0.0	0.0	0.0	0.0	0.0
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	1,485.0	0.0	1485.0	0.0	0.0	0.0	0.0
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	165.0	0.0	165.0	0.0	0.0	0.0	0.0
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	261.0	0.0	173.0	88.0	0.0	0.0	0.0
48203105	HOT-MIX ASPHALT SHOULDERS, SPECIAL	TON	802.0	0.0	0.0	0.0	23.0	779.0	0.0
50200100	STRUCTURE EXCAVATION	CU YD	179.0	0.0	0.0	179.0	0.0	0.0	0.0
51500100	NAME PLATES	EACH	1.0	0.0	0.0	1.0	0.0	0.0	0.0
54001000	BOX CULVERT END SECTIONS	EACH	2.0	0.0	0.0	2.0	0.0	0.0	0.0
54020902	PRECAST CONCRETE BOX CULVERT 9' X 2' (M273)	FOOT	68.0	0.0	0.0	68.0	0.0	0.0	0.0
60255500	MANHOLES TO BE ADJUSTED	EACH	6.0	0.0	6.0	0.0	0.0	0.0	0.0
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	5.0	2.0	3.0	0.0	0.0	0.0	0.0
60600605	CONCRETE CURB, TYPE B	FOOT	194.0	0.0	194.0	0.0	0.0	0.0	0.0
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	325.0	159.0	166.0	0.0	0.0	0.0	0.0
66700110	PERMANENT SURVEY MARKERS TO BE ADJUSTED	EACH	1.0	0.0	1.0	0.0	0.0	0.0	0.0
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4.0	0.0	4.0	0.0	0.0	0.0	0.0
67100100	MOBILIZATION	L SUM	1.0	0.0	1.0	0.0	0.0	0.0	0.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0	0.0	1.0	0.0	0.0	0.0	0.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0	0.0	1.0	0.0	0.0	0.0	0.0
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1.0	0.0	1.0	0.0	0.0	0.0	0.0
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	3,311.0	94.0	3217.0	0.0	0.0	0.0	0.0
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	14,432.0	454.0	13978.0	0.0	0.0	0.0	0.0
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	182.0	71.0	111.0	0.0	0.0	0.0	0.0

*SPECIALTY ITEMS

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c:\ppl\work\p\WID01\BOWERML\dms85036\70234 500.dgn	DRAWN -	REVISED -	749						120RS-3	*	55	5	
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 70234						
PLOT DATE = 12/3/2009	DATE -	REVISED -	ILLINOIS FED. AID PROJECT										

				F	F	F	ESP	ESP	NP
LOCATION OF WORK:				FAP 749 (IL 133) MOULTRIE COUNTY STA 0+14.00 TO STA 1+87.40	FAP 749 (IL 133) DOUGLAS COUNTY STA. 1+87.40 TO STA. 61+45.00	FAP 749 (IL 133) S.N. 021-8055 STA 2+48.30	FAP 749 (IL 133) MOULTRIE COUNTY STA 0+14.00 TO STA 1+87.40 HMA SHOULDERS	FAP 749 (IL 133) DOUGLAS COUNTY STA. 1+87.40 TO STA. 61+45.00 HMA SHOULDERS	FAP 749 (IL 133) DOUGLAS COUNTY SPAN-WIRE FLASHING BEACON
FUNDING BREAKOUT:				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% ARRA 20% STATE	80% ARRA 20% STATE	50% ARTHUR 50% STATE
CONSTRUCTION TYPE CODE:				1000	1000	Y007	SFTY-ZA	SFTY-ZA	Y031-1F
CODE NO	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	40.0	0.0	40.0	0.0	0.0	0.0	0.0
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	129.0	49.0	80.0	0.0	0.0	0.0	0.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	368.0	32.0	336.0	0.0	0.0	0.0	0.0
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	14,432.0	454.0	13978.0	0.0	0.0	0.0	0.0
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	182.0	71.0	111.0	0.0	0.0	0.0	0.0
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	40.0	0.0	40.0	0.0	0.0	0.0	0.0
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	129.0	49.0	80.0	0.0	0.0	0.0	0.0
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	77.0	2.0	75.0	0.0	0.0	0.0	0.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	77.0	2.0	75.0	0.0	0.0	0.0	0.0
80500100	SERVICE INSTALLATION, TYPE A	EACH	1.0	0.0	0.0	0.0	0.0	0.0	1.0
81100500	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	20.0	0.0	0.0	0.0	0.0	0.0	20.0
83057210	LIGHT POLE, WOOD, 40 FOOT, CLASS 3	EACH	2.0	0.0	0.0	0.0	0.0	0.0	2.0
85800100	FLASHER CONTROLLER	EACH	1.0	0.0	0.0	0.0	0.0	0.0	1.0
87200400	SPAN WIRE	FOOT	129.0	0.0	0.0	0.0	0.0	0.0	129.0
87200500	TETHER WIRE	FOOT	129.0	0.0	0.0	0.0	0.0	0.0	129.0
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	50.0	0.0	0.0	0.0	0.0	0.0	50.0
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	25.0	0.0	0.0	0.0	0.0	0.0	25.0
87302225	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 3C	FOOT	125.0	0.0	0.0	0.0	0.0	0.0	125.0
88040420	SIGNAL HEAD, POLYCARBONATE, LED, 4-FACE, 1-SECTION, SPAN WIRE MOUNTED	EACH	2.0	0.0	0.0	0.0	0.0	0.0	2.0
89502400	REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	1.0	0.0	0.0	0.0	0.0	0.0	1.0
X0321297	REMOVE EXISTING SIGN POST	EACH	1.0	0.0	1.0	0.0	0.0	0.0	0.0
X0324058	OUTLET SPECIAL	EACH	2.0	1.0	1.0	0.0	0.0	0.0	0.0
X0545000	BOX CULVERT REMOVAL	FOOT	18.0	0.0	18.0	0.0	0.0	0.0	0.0
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	4.0	0.0	0.0	4.0	0.0	0.0	0.0
X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	4.0	2.0	2.0	0.0	0.0	0.0	0.0
Z0002900	BASE COURSE (OPTION)	SQ YD	135.0	55.0	80.0	0.0	0.0	0.0	0.0
Z0023500	FILLING EXISTING CULVERTS	CU YD	40.0	0.0	40.0	0.0	0.0	0.0	0.0
Z0023900	FILLING EXISTING WELLS	EACH	1.0	1.0	0.0	0.0	0.0	0.0	0.0

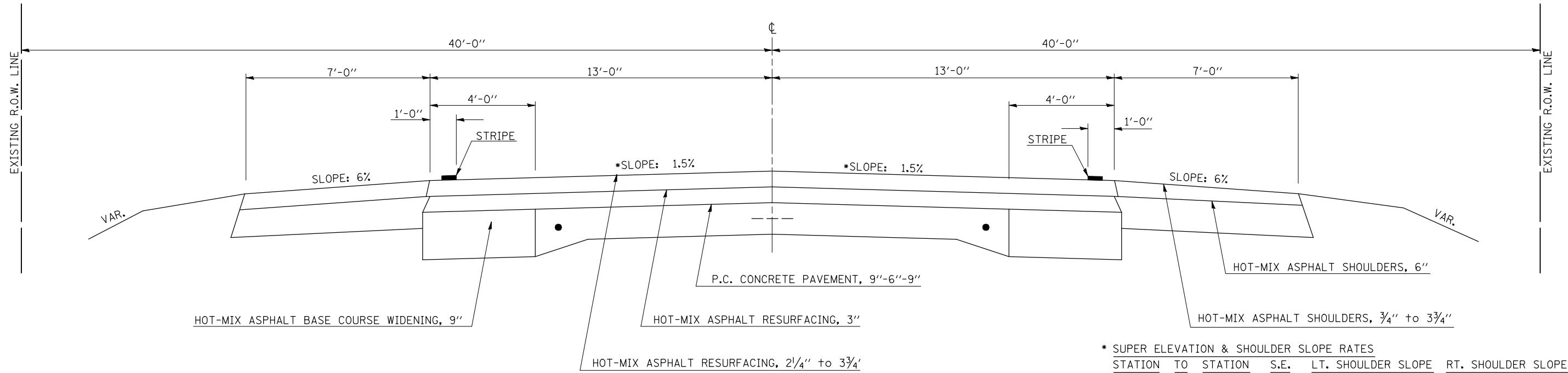
* SPECIALTY ITEMS

*DOUGLAS & MOULTRIE

FILE NAME =	USER NAME = bowerml	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\BOWERML\dms85936\70234	500.dgn	DRAWN -	REVISED -						749	120RS-3	*	55	6
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -		SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 70234				
	PLOT DATE = 12/3/2009	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

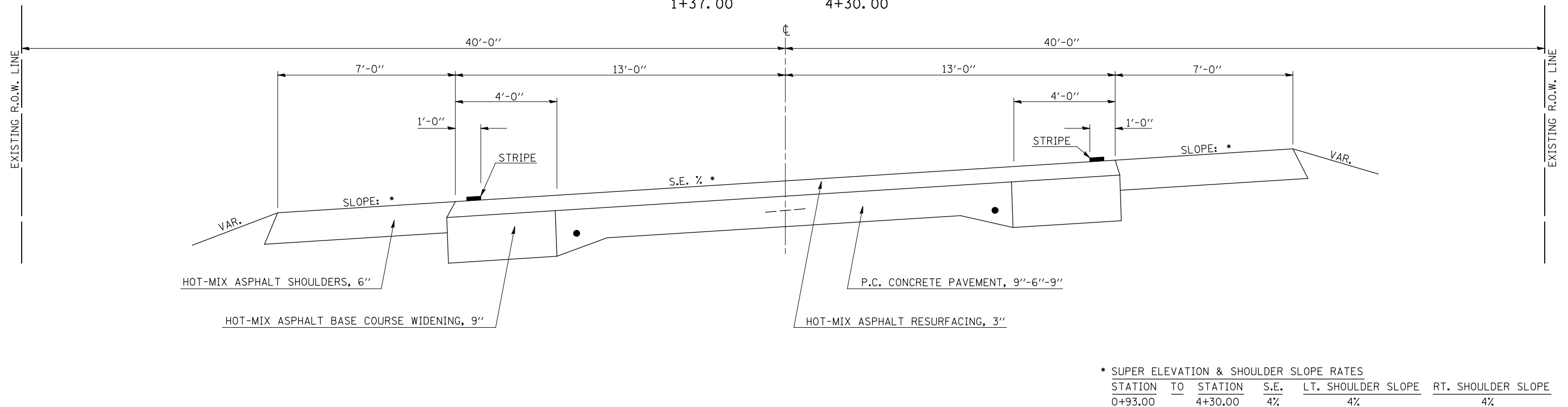
1 EXISTING TYPICAL CROSS SECTION

STATION TO STATION
0+14.00 TO 1+37.00



2 EXISTING TYPICAL CROSS SECTION

STATION TO STATION
1+37.00 TO 4+30.00



FILE NAME =	USER NAME = bowerml	DESIGNED - CRG	REVISED -
ct:\pw\work\PWIDOT\BOWERML\dms85036\typ\col1.s.dgn		DRAWN - BBP	REVISED -
PLOT SCALE = 40.0000' / IN.		CHECKED - CRG	REVISED -
PLOT DATE = 12/3/2009		DATE - 09/18/07	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL CROSS SECTIONS

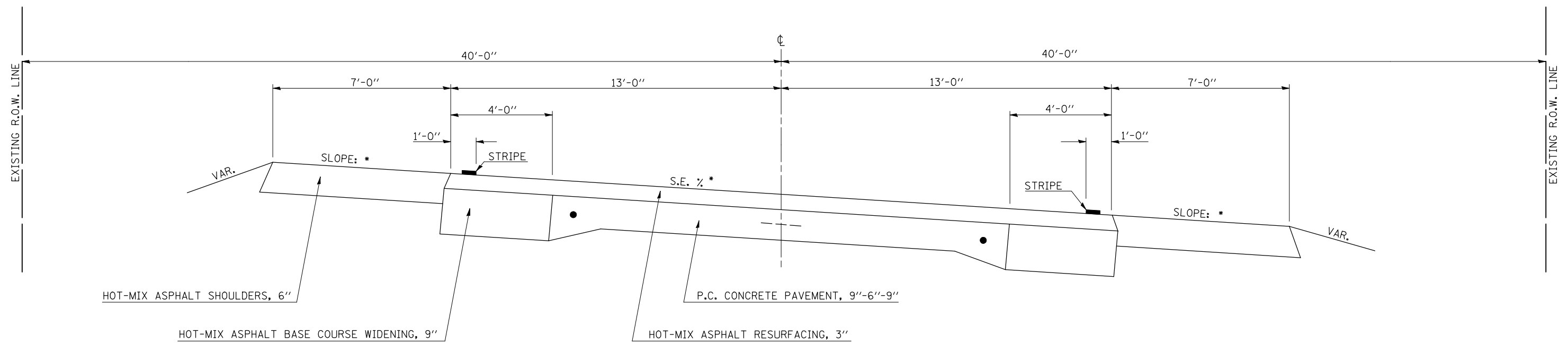
SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-3	*	55	7
CONTRACT NO. 70234				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

*DOULGAS & MOULTRIE

3 EXISTING TYPICAL CROSS SECTION

STATION TO STATION
4+30.00 9+29.00

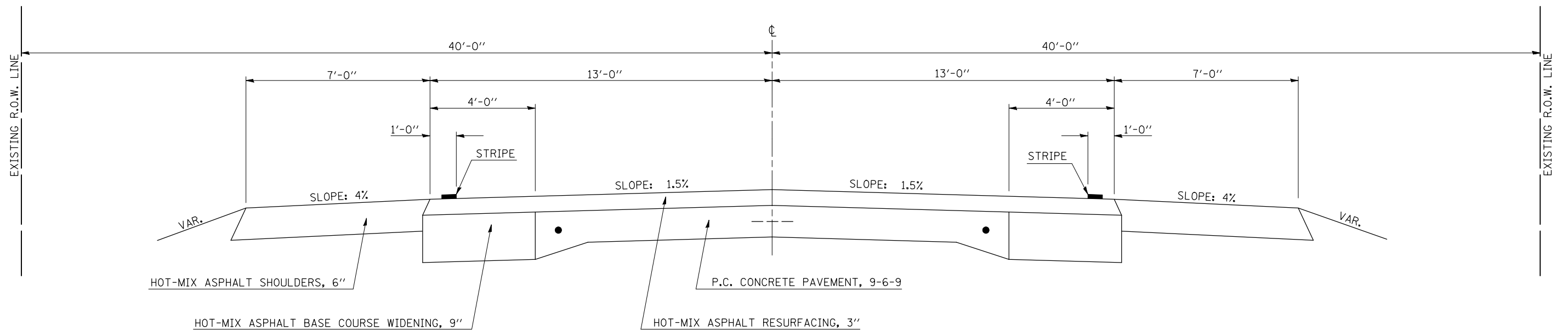


* SUPER ELEVATION & SHOULDER SLOPE RATES

STATION	TO STATION	S.E.	LT. SHOULDER SLOPE	RT. SHOULDER SLOPE
4+30.00	9+29.00	4%	4%	4%

4 EXISTING TYPICAL CROSS SECTION

STATION TO STATION
9+29.00 61+45.00



•DOULGAS & MOULTRIE

FILE NAME =	USER NAME = bowerml	DESIGNED - CRG	REVISED -
ct:\pwwork\pwidot\BOWERML\dms85036\typcol.s.dgn		DRAWN - BBP	REVISED -
		CHECKED - CRG	REVISED -
		DATE - 09/18/07	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

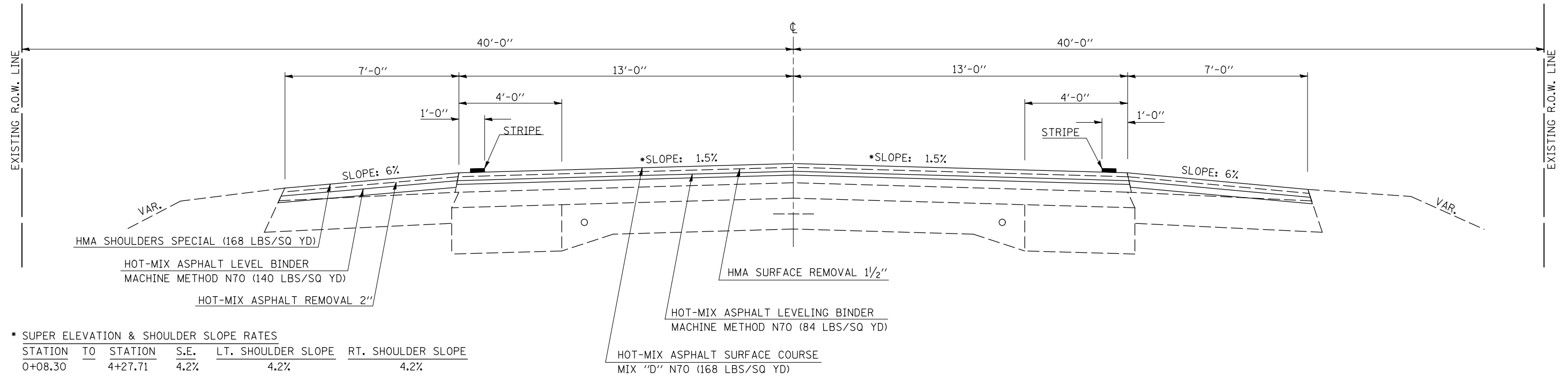
EXISTING TYPICAL CROSS SECTIONS

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-3	*	55	8
CONTRACT NO. 70234				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

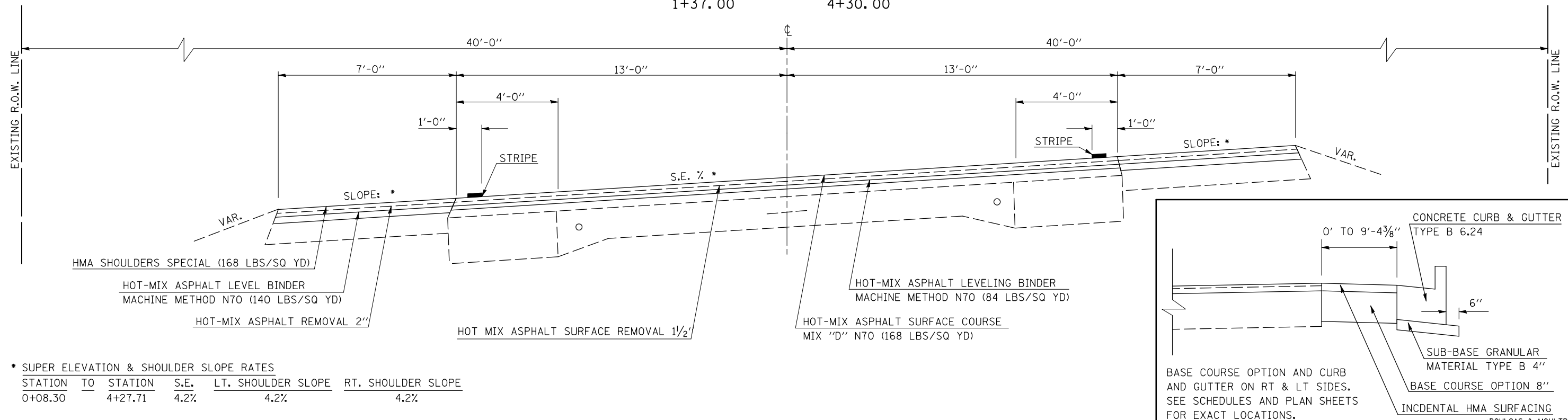
1 PROPOSED TYPICAL CROSS SECTION

STATION TO STATION
0+14.00 TO 1+37.00



2 PROPOSED TYPICAL CROSS SECTION

STATION TO STATION
1+37.00 TO 4+30.00



FILE NAME =	USER NAME = bowerml	DESIGNED - MLB	REVISED -
ct:\pwwork\p\WIDOT\BOWERML\dms85036\typr\col.s.dgn		DRAWN - MLB	REVISED -
PLOT SCALE = 40.0000 ' / IN.		CHECKED -	REVISED -
PLOT DATE = 12/4/2009		DATE - 06/25/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

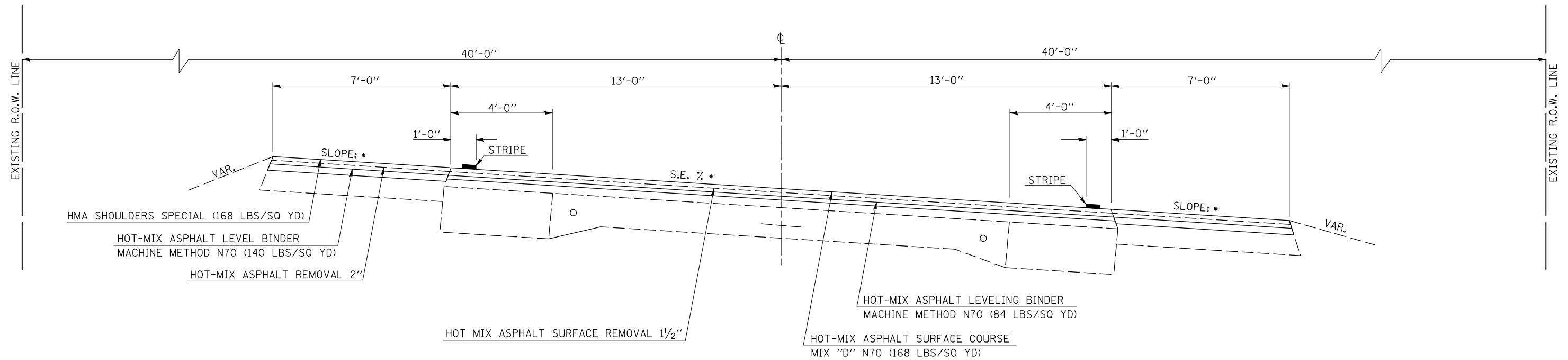
PROPOSED TYPICAL CROSS SECTIONS

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-3	*	55	9
CONTRACT NO. 70234				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

3 PROPOSED TYPICAL CROSS SECTION

STATION TO STATION
4+30.00 TO 9+29.00

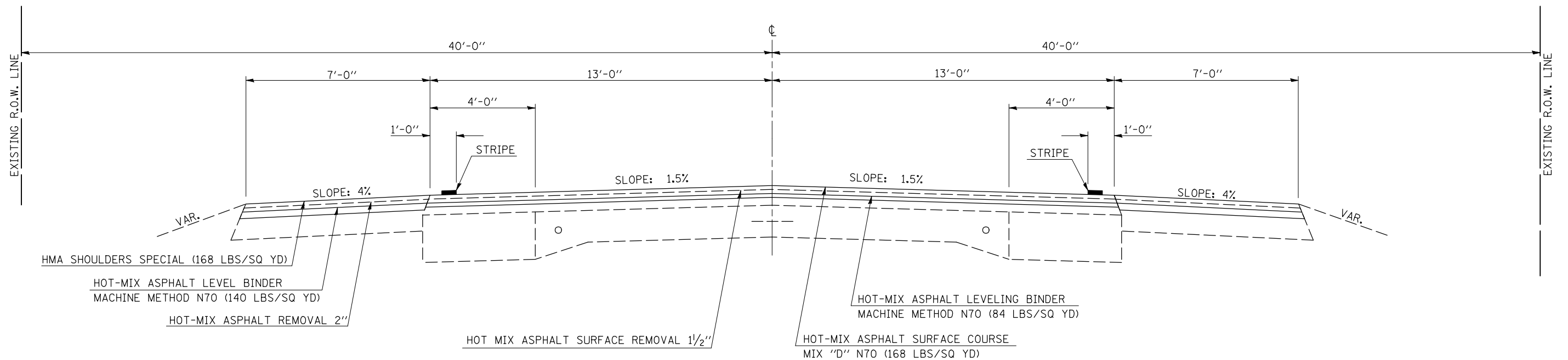


* SUPER ELEVATION & SHOULDER SLOPE RATES

STATION	TO	STATION	S.E.	LT. SHOULDER SLOPE	RT. SHOULDER SLOPE
4+27.71		8+22.69	4.2%	4.2%	4.2%

4 PROPOSED TYPICAL CROSS SECTION

STATION TO STATION
9+29.00 TO 61+45.00



•DOULGAS & MOULTRIE

FILE NAME =	USER NAME = bowerml	DESIGNED - MLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PWIDOT\BOWERML\dms85036\typ\cols.dgn	PLOT SCALE = 40.0000' / IN.	DRAWN - MLB	REVISED -					749	120RS-3	*	55	10
PLOT DATE = 12/4/2009	DATE - 06/25/09	CHECKED - MLB	REVISED -		SCALE: N/A			SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 70234	
		DATE - 06/25/09	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCHEDULE OF CLASS D PATCHING, 12"

STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	44201789 44201794 44201796		
				TYPE II (SQ. YD.)	TYPE III (SQ. YD.)	TYPE IV (SQ. YD.)
2+78.00	EB	8	13	11.6	0.0	0.0
2+78.00	WB	8	13	11.6	0.0	0.0
3+30.00	EB	6	13	8.7	0.0	0.0
3+30.00	WB	6	13	8.7	0.0	0.0
3+49.00	EB	6	13	8.7	0.0	0.0
3+49.00	WB	6	13	8.7	0.0	0.0
3+79.00	EB	8	13	11.6	0.0	0.0
3+79.00	WB	8	13	11.6	0.0	0.0
4+89.00	EB	6	13	8.7	0.0	0.0
4+89.00	WB	6	13	8.7	0.0	0.0
5+09.00	EB	6	13	8.7	0.0	0.0
5+09.00	WB	6	13	8.7	0.0	0.0
5+73.00	EB	6	13	8.7	0.0	0.0
5+73.00	WB	6	13	8.7	0.0	0.0
6+08.00	EB	6	13	8.7	0.0	0.0
6+08.00	WB	6	13	8.7	0.0	0.0
6+59.00	EB	6	13	8.7	0.0	0.0
6+59.00	WB	6	13	8.7	0.0	0.0
6+75.00	EB	8	13	11.6	0.0	0.0
6+75.00	WB	8	13	11.6	0.0	0.0
7+08.00	EB	6	13	8.7	0.0	0.0
7+08.00	WB	6	13	8.7	0.0	0.0
8+25.00	EB	6	13	8.7	0.0	0.0
8+25.00	WB	6	13	8.7	0.0	0.0
9+20.00	EB	10	13	14.4	0.0	0.0
9+20.00	WB	10	13	14.4	0.0	0.0
9+80.00	WB	6	13	8.7	0.0	0.0
9+80.00	EB	10	13	14.4	0.0	0.0
10+40.00	EB	8	13	11.6	0.0	0.0
10+40.00	WB	8	13	11.6	0.0	0.0
11+30.00	EB	6	13	8.7	0.0	0.0
11+30.00	WB	6	13	8.7	0.0	0.0
11+65.00	EB	6	13	8.7	0.0	0.0
11+65.00	WB	6	13	8.7	0.0	0.0
11+95.00	EB	6	13	8.7	0.0	0.0
11+95.00	WB	6	13	8.7	0.0	0.0
12+54.00	EB	6	13	8.7	0.0	0.0
12+54.00	WB	6	13	8.7	0.0	0.0
12+82.00	EB	10	13	14.4	0.0	0.0
12+82.00	WB	10	13	14.4	0.0	0.0
13+29.00	EB	6	13	8.7	0.0	0.0
13+29.00	WB	6	13	8.7	0.0	0.0
13+60.00	EB	6	13	8.7	0.0	0.0
13+60.00	WB	6	13	8.7	0.0	0.0
14+25.00	EB	10	13	14.4	0.0	0.0
14+25.00	WB	10	13	14.4	0.0	0.0
14+68.00	EB	6	13	8.7	0.0	0.0
14+68.00	WB	6	13	8.7	0.0	0.0
14+90.00	EB	6	13	8.7	0.0	0.0
15+53.00	EB	20	13	0.0	0.0	28.9

SCHEDULE OF CLASS D PATCHING, 12"

STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	44201789 44201794 44201796		
				TYPE II (SQ. YD.)	TYPE III (SQ. YD.)	TYPE IV (SQ. YD.)
15+53.00	WB	20	13	0.0	0.0	28.9
16+06.00	EB	6	13	8.7	0.0	0.0
16+06.00	WB	6	13	8.7	0.0	0.0
16+94.00	EB	6	13	8.7	0.0	0.0
16+94.00	WB	6	13	8.7	0.0	0.0
17+61.00	EB	6	13	8.7	0.0	0.0
17+61.00	WB	6	13	8.7	0.0	0.0
18+23.00	EB	6	13	8.7	0.0	0.0
18+23.00	WB	6	13	8.7	0.0	0.0
18+43.00	EB	6	13	8.7	0.0	0.0
18+43.00	WB	6	13	8.7	0.0	0.0
19+25.00	WB	6	13	8.7	0.0	0.0
19+25.00	EB	20	13	0.0	0.0	28.9
19+79.00	EB	6	13	8.7	0.0	0.0
19+79.00	WB	6	13	8.7	0.0	0.0
20+88.00	EB	6	13	8.7	0.0	0.0
20+99.00	EB	8	13	11.6	0.0	0.0
20+99.00	WB	8	13	11.6	0.0	0.0
21+55.00	EB	6	13	8.7	0.0	0.0
21+55.00	WB	6	13	8.7	0.0	0.0
21+97.00	EB	10	13	14.4	0.0	0.0
21+97.00	WB	10	13	14.4	0.0	0.0
22+73.00	EB	6	13	8.7	0.0	0.0
22+73.00	WB	6	13	8.7	0.0	0.0
23+44.00	EB	6	13	8.7	0.0	0.0
23+44.00	WB	6	13	8.7	0.0	0.0
24+06.00	EB	6	13	8.7	0.0	0.0
24+06.00	WB	6	13	8.7	0.0	0.0
24+65.00	WB	20	13	0.0	0.0	28.9
24+65.00	EB	10	13	14.4	0.0	0.0
25+18.00	EB	6	13	8.7	0.0	0.0
25+18.00	WB	6	13	8.7	0.0	0.0
25+45.00	EB	6	13	8.7	0.0	0.0
25+45.00	WB	6	13	8.7	0.0	0.0
25+60.00	EB	6	13	8.7	0.0	0.0
25+60.00	WB	6	13	8.7	0.0	0.0
26+02.00	EB	6	13	8.7	0.0	0.0
26+02.00	WB	6	13	8.7	0.0	0.0
26+39.00	EB	6	13	8.7	0.0	0.0
26+39.00	WB	6	13	8.7	0.0	0.0
27+01.00	EB	6	13	8.7	0.0	0.0
27+01.00	WB	6	13	8.7	0.0	0.0
27+80.00	EB	6	13	8.7	0.0	0.0
27+80.00	WB	6	13	8.7	0.0	0.0
28+29.00	EB	6	13	8.7	0.0	0.0
28+29.00	WB	6	13	8.7	0.0	0.0
28+55.00	WB	6	13	8.7	0.0	0.0
29+53.00	EB	6	13	8.7	0.0	0.0
29+53.00	WB	6	13	8.7	0.0	0.0
30+03.00	EB	6	13	8.7	0.0	0.0

SCHEDULE OF CLASS D PATCHING, 12"

STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	44201789 44201794 44201796		
				TYPE II (SQ. YD.)	TYPE III (SQ. YD.)	TYPE IV (SQ. YD.)
30+03.00	WB	6	13	8.7	0.0	0.0
30+33.00	EB	12	13	0.0	17.3	0.0
30+33.00	WB	12	13	0.0	17.3	0.0
31+47.00	EB	6	13	8.7	0.0	0.0
31+47.00	WB	6	13	8.7	0.0	0.0
33+81.00	EB	6	13	8.7	0.0	0.0
33+81.00	WB	6	13	8.7	0.0	0.0
34+17.00	EB	6	13	8.7	0.0	0.0
34+17.00	WB	6	13	8.7	0.0	0.0
34+43.00	EB	6	13	8.7	0.0	0.0
34+43.00	WB	6	13	8.7	0.0	0.0
35+22.00	EB	6	13	8.7	0.0	0.0
35+22.00	WB	10	13	14.4	0.0	0.0
35+59.00	EB	12	13	0.0	17.3	0.0
37+71.00	EB	6	13	8.7	0.0	0.0
38+31.00	WB	6	13	8.7	0.0	0.0
38+31.00	EB	10	13	14.4	0.0	0.0
41+35.00	EB	10	13	14.4	0.0	0.0
41+35.00	WB	10	13	14.4	0.0	0.0
42+68.00	EB	6	13	8.7	0.0	0.0
43+08.00	EB	14	13	0.0	20.2	0.0
43+42.00	WB	6	13	8.7	0.0	0.0
43+42.00	WB	6	13	8.7	0.0	0.0
44+07.00	EB	6	13	8.7	0.0	0.0
44+07.00	WB	6	13	8.7	0.0	0.0
44+63.00	EB	6	13	8.7	0.0	0.0
44+63.00	WB	6	13	8.7	0.0	0.0
45+55.00	EB	12	13	0.0	17.3	0.0
45+55.00	WB	12	13	0.0	17.3	0.0
46+98.00	EB	6	13	8.7	0.0	0.0
46+98.00	WB	6	13	8.7	0.0	0.0
47+33.00	EB	6	13	8.7	0.0	0.0
47+33.00	WB	6	13	8.7	0.0	0.0
48+42.00	EB	6	13	8.7	0.0	0.0
48+42.00	WB	6	13	8.7	0.0	0.0
49+18.00	EB	8	13	11.6	0.0	0.0
49+18.00	WB	8	13	11.6	0.0	0.0
50+22.00	EB	16	13	0.0	23.1	0.0
50+22.00	WB	12	13	0.0	17.3	0.0
51+34.00	EB	10	13	14.4	0.0	0.0
51+34.00	WB	6	13	8.7	0.0	0.0
51+91.00	WB	6	13	8.7	0.0	0.0
51+91.00	WB	12	13	0.0	17.3	0.0
52+23.00	EB	8	13	11.6	0.0	0.0
52+23.00	WB	8	13	11.6	0.0	0.0
53+05.00	EB	10	13	14.4	0.0	0.0
53+05.00	WB	10	13	14.4	0.0	0.0
53+43.00	EB	6	13	8.7	0.0	0.0
53+43.00	WB	6	13	8.7	0.0	0.0
54+02.00	EB	10	13	14.4	0.0	0.0

*DOUGLAS & MOULTRIE

FILE NAME =	USER NAME = bowerml	DESIGNED - MLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PWIDOT\BOWERML\dms85036\70234 Schedules.dgn	DRAWN - MLB	REVISIONS -	749					120RS-3	*	55	11	
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISIONS -	CONTRACT NO. 70234									
PLOT DATE = 12/4/2009	DATE - 11/05/20	REVISIONS -	SCALE: N/A		SHEET NO. OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

SCHEDULE OF CLASS D PATCHING, 12"

HOT-MIX ASPHALT CALCULATIONS

STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	44201789	44201794	44201796
				TYPE II (SQ. YD.)	TYPE III (SQ. YD.)	TYPE IV (SQ. YD.)
54+02.00	WB	6	13	8.7	0.0	0.0
55+72.00	EB	10	13	14.4	0.0	0.0
55+72.00	WB	10	13	14.4	0.0	0.0
56+26.00	EB	8	13	11.6	0.0	0.0
56+26.00	WB	8	13	11.6	0.0	0.0
57+15.00	EB	6	13	8.7	0.0	0.0
57+15.00	WB	6	13	8.7	0.0	0.0
58+15.00	EB	20	13	0.0	0.0	28.9
58+15.00	WB	20	13	0.0	0.0	28.9
58+83.00	EB	8	13	11.6	0.0	0.0
58+83.00	WB	8	13	11.6	0.0	0.0
59+42.00	EB	6	13	8.7	0.0	0.0
59+42.00	WB	6	13	8.7	0.0	0.0
60+61.00	EB	6	13	8.7	0.0	0.0
60+61.00	WB	6	13	8.7	0.0	0.0
60+95.00	EB	6	13	8.7	0.0	0.0
60+95.00	WB	6	13	8.7	0.0	0.0
*2+48.05	BOTH	18.5	42.6	0.0	0.0	87.6
TOTALS=				1484.9	164.7	260.9
USE=				1485.0	165.0	261.0

*THIS PATCH SHALL BE CONSTRUCTED AT A 20 DEGREE SKEW LEFT FORWARD AND WILL BE TAPERED FROM 12" TO 8". SEE CROSS SECTION AT STATION 2+48.30 FOR FURTHER DETAIL.

STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ. YD)	40603340	40600635	48203105	40600100	40600300
						HMA SC MIX "D" N70 (TONS)	LEV BIND MM N70 (TONS)	HMA SHOULDERS (SPECIAL) (TONS)	BIT MATLS PR CT (GAL)	AGG PR CT (TONS)
MAINLINE										
0+14.00		61+45.00	6131.0	26	17711.8	1487.8	743.9	0.0	1771.2	70.8
BUGGY LANES										
0+14.00		61+45.00	6131.0	14	9537.1	0.0	667.6	801.1	953.7	38.1
TOTAL=						1487.8	1411.5	801.1	2724.9	109.0
USE=						1488.0	1412.0	802.0	2725.0	109.0

EARTHWORK ANALYSIS

LOCATION	20200100	20200500	EARTH EXCAVATION EMBANKMENT ADJUSTED		20400800					
	EARTH EXCAVATION	EARTH EXCAVATION (WIDENING)	FOR SHRINKAGE (25%)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)					
	CU YD	CU YD	CU YD	CU YD	CU YD					
VINE STREET INTERSECTION										
SOUTHEAST QUADRANT	113.0	14.0	95.3	140.0	-44.75					
SOUTHWEST QUADRANT	6.0	13.0	14.3	2.0	12.25					
NORTHWEST QUADRANT	13.0	7.0	15.0	9.0	6.00					
NORTHEAST QUADRANT	13.0	0.0	9.8	2.0	7.75					
TOTALS=						145.0	34.0	134.3	153.0	-18.8
FINAL TOTALS=						145.0	34.0	134.0	153.0	-19.0

EARTHWORK BALANCE = EARTH EXCAVATION X ADJUSTMENT FOR SHRINKAGE (0.75) - EMBANKMENT

EARTH EXCAVATION = 145.0 CUBIC YARDS
 EARTH EXCAVATION (WIDENING) = 34.0 CU YARDS
 FURNISHED EXCAVATION = 19.0 CUBIC YARDS

179.0 CUBIC YARDS OF STRUCTURE EXCAVATION FROM SN 021-8055 IS UNSUITABLE MATERAIL FOR EMBANKMENT

28000305 TEMPORARY DITCH CHECKS

STATION		FOOT
599+10.00	RT	9.5
2+50.00	RT	9.5
2+75.00	LT	9.5
3+00.00	RT	9.5
		TO 38.0
		US 38.0

*DOUGLAS & MOULTRIE

STATION	INCIDENTAL AREA (SQ YD)	AVERAGE THICKNESS (INCH)	40800050 INCIDENTAL HOT-MIX ASPHALT SURFACING (TON)	40800010 BIT MAT'L PRIME COAT (GALLONS)	40800030 AGGREGATE PRIME COAT (TON)	44000196 HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL (SQ YD)	40600982 HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT (SQ YD)	44000200 DRIVEWAY PAVEMENT REMOVAL (SQ YD)	42300400 PCC DRIVEWAY PAVEMENT 8" (SQ YD)
LT. 1+87.40	647.71	1.50	54.41	32.39	0.65	647.71			
RT. 1+87.40	308.43	1.50	25.91	15.42	0.31		308.43		
LT. 6+39.83	40.3	1.50	3.39	2.02	0.04		40.30		
RT. 6+36.30	32.1	1.50	2.70	1.61	0.03		32.10		
LT. 8+20.24	7.5	1.50	0.63	0.38	0.01		7.50		
LT. 8+44.09	17.6	1.50	1.48	0.88	0.02		17.60		
RT. 8+86.52	44.3	1.50	3.72	2.22	0.04		44.30		
LT. 9+21.08	9.8	1.50	0.82	0.49	0.01		9.80		
RT. 10+27.94	69.9	1.50	5.87	3.50	0.07		69.90		
LT. 10+39.20	40.9	1.50	3.44	2.05	0.04		40.90		
LT. 11+42.23	53.7	1.50	4.51	2.69	0.05		53.70		
RT. 11+95.99	54.1	1.50	4.54	2.71	0.05		54.10		
LT. 12+47.73	77.5	1.50	6.51	3.88	0.08		77.50		
LT. 13+26.96	53.0	1.50	4.45	2.65	0.05		53.00		
RT. 13+26.96	79.9	1.50	6.71	4.00	0.08		79.90		
LT. 15+14.13	30.8	1.50	2.59	1.54	0.03		30.80		
RT. 15+15.46	66.0	1.50	5.54	3.30	0.07		66.00		
LT. 16+12.61	18.4	1.50	1.55	0.92	0.02		18.40		
LT. 17+34.20	45.7	1.50	3.84	2.29	0.05		45.70		
RT. 17+46.54	70.2	1.50	5.90	3.51	0.07		70.20		
LT. 18+42.50	63.0	1.50	5.29	3.15	0.06		63.00		
RT. 19+36.43	45.5	1.50	3.82	2.28	0.05		45.50		
LT. 19+58.22	23.7	1.50	1.99	1.19	0.02		23.70		
LT. 20+05.97	25.4	1.50	2.13	1.27	0.03		25.40		
LT. 21+67.76	67.5	1.50	5.67	3.38	0.07		67.50		
RT. 23+29.39	113.6	1.50	9.54	5.68	0.11		113.60		
RT. 24+80.73	168.1	1.50	14.12	8.41	0.17		168.10		
RT. 26+43.80	76.4	1.50	6.42	3.82	0.08		76.40		
LT. 27+05.87	69.8	1.50	5.86	3.49	0.07		69.80		
RT. 27+84.45	120.6	1.50	10.13	6.03	0.12		120.60		
RT. 28+67.16	81.8	1.50	6.87	4.09	0.08		81.80		
LT. 29+26.84	27.7	1.50	2.33	1.39	0.03		27.70		
RT. 29+40.82	78.7	1.50	6.61	3.94	0.08		78.70		
LT. 30+59.85	19.8	1.50	1.66	0.99	0.02		19.80		
RT. 30+76.91	30.6	1.50	2.57	1.53	0.03		30.60		
LT. 31+25.98	24.8	1.50	2.08	1.24	0.02		24.80		
LT. 31+54.61	36.5	1.50	3.07	1.83	0.04		36.50		
LT. 32+08.33	64.4	1.50	5.41	3.22	0.06		64.40		
LT. 32+45.45	43.4	1.50	3.65	2.17	0.04		43.40		
RT. 33+63.72	125.7	1.50	10.56	6.29	0.13			125.70	125.70
LT. 34+00.00	152.0	1.50	12.77	7.60	0.15			152.00	152.00
RT. 35+14.16	83.5	1.50	7.01	4.18	0.08		83.50		
LT. 36+18.38	121.0	1.50	10.16	6.05	0.12			121.00	121.00
LT. 40+60.98	134.0	1.50	11.26	6.70	0.13			134.00	134.00
LT. 41+65.00	96.7	1.50	8.12	4.84	0.10		96.70		
LT. 42+48.00	86.5	1.50	7.27	4.33	0.09		86.50		
RT. 42+60.42	132.7	1.50	11.15	6.64	0.13		132.70		
RT. 50+30.86	205.8	1.50	17.29	10.29	0.21		205.80		
LT. 57+82.44	134.5	1.50	11.30	6.73	0.13		134.50		
RT. 60+08.12	100.9	1.50	8.48	5.05	0.10		100.90		
LT. 60+09.33	53.4	1.50	4.49	2.67	0.05		53.40		
TOTAL =			367.57	218.79	4.38	647.71	3195.43	532.70	532.70
USE =			368.0	219.0	5.0	648.0	3196.0	533.0	533.0
			(TON)	(GALLONS)	(TON)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)

*DOUGLAS & MOULTRIE

FILE NAME =	USER NAME = bowerml	DESIGNED - MLB	REVISED -
ct:\pw\work\PIWIDOT\BOWERML\dms85036\70234 Schedules.dgn		DRAWN - MLB	REVISED -
		CHECKED -	REVISED -
		DATE - 11/05/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	12ORS-3	*	55	13
CONTRACT NO. 70234				
ILLINOIS FED. AID PROJECT				

25000210 SEEDING CLASS 2A

STATION	TO	STATION	LOCATION	25000210 SEEDING CLASS 2A ACRE	25000400 NITROGEN FERTILIZER NUTRIENT POUND	25000500 PHOSPHORUS FERTILIZER NUTRIENT POUND	25000600 POTASSIUM FERTILIZER NUTRIENT POUND	25100115 MULCH METHOD 2 ACRE	28000250 TEMPORARY EROSION CONTROL SEEDING POUND
599+10.00	RT	3+25.00	RT SOUTHEAST QUAD	0.10	9.0	9.0	9.0	0.10	10.0
1+28.13	RT	599+4.68	LT SOUTHWEST QUAD	0.01	0.9	0.9	0.9	0.01	1.0
0+75.00	LT	600+60.00	LT NORTHWEST QUAD	0.04	3.6	3.6	3.6	0.04	4.0
600+60.00	LT	3+00.00	LT NORTHEAST QUAD	0.05	4.5	4.5	4.5	0.05	5.0
TOTAL=				0.20	18.0	18.0	18.0	0.20	20.0
USE=				0.25	22.5	22.5	22.5	0.25	25

31101200 SUB-BASE GRANULAR MATERIAL TYPE B 4"

STATION	TO	STATION	AREA (SQ YD)	
1+01.47	18.5' LT	600+51.05	24.6' LT	27.0
1+32.67	17.8' RT	599+09.23	15.5' LT	252.7
600+54.45	28.6' RT	2+43.79	20.7' LT	115.4
599+37.71	17.0' RT	3+04.76	18.1' RT	402.5
TOTAL=				797.6
USE=				798.0

42400100 PCC SIDEWALK 4"

STATION	TO	STATION	AREA (SQ FT)	
VINE STREET				
600+36.15		600+83.86	RT	246.8
600+41.06		600+65.28	LT	164.4
TOTAL=				411.3
USE=				412.0

44000155 HMA SURFACE REMOVAL 2"

STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
IL 133 SHOULDERS					
0+14.00		61+45.00	6131.0	14	9537.1
TOTAL =					9537.1
USE =					9538.0

40600990 TEMPORARY RAMP

STATION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LOCATION
0+14.00	5.00	26	14.4	START OF JOB
0+14.00	7.00	14	10.9	BUGGY LANES
1+87.40	LT 7.00	125	97.2	VINE STREET
1+87.40	RT 7.00	85	66.1	VINE STREET
6+39.83	LT 7.00	28	21.8	ASH STREET
10+39.19	RT 7.00	28	21.8	PINE STREET
13+26.96	LT 7.00	28	21.8	SPRUCE STREET
13+26.96	RT 7.00	28	21.8	SPRUCE STREET
17+34.20	LT 7.00	28	21.8	UNION ST
17+46.54	RT 7.00	28	21.8	PARKVIEW DR
21+67.76	RT 7.00	28	21.8	FOREST DR
23+29.39	RT 7.00	28	21.8	WATKINS ESTATES
24+80.73	RT 7.00	28	21.8	SURREY LANE
27+5.87	LT 7.00	28	21.8	CEDAR STREET
42+60.42	LT 7.00	28	21.8	MOSES ST
60+08.12	RT 7.00	28	21.8	100 E
60+09.33	LT 7.00	28	21.8	100 E
61+45.00	5.00	26	14.4	END OF JOB
61+45.00	7.00	14	10.9	BUGGY LANES
TOTAL=				497.1
USE=				498.0

42400800 DETECTABLE WARNINGS

STATION	AREA (SQ FT)	
VINE STREET		
600+38.00	RT 10.0	
600+43.00	LT 10.0	
TOTAL=		20.0
USE=		20.0

44000300 CURB REMOVAL

STATION	TO	STATION	FOOT	
33+20.54	23.9' RT	33+40.24	40.0' RT	25.0
33+85.25	40.0' RT	34+4.91	23.5' RT	25.0
33+78.60	27.2' LT	33+86.39	40.0' LT	16.0
34+45.81	40.0' LT	34+45.81	26.3' LT	16.0
35+84.81	22.5' LT	35+98.65	40.0' LT	23.0
36+42.17	40.0' LT	36+55.77	23.3' LT	23.0
40+12.27	23.2' LT	40+39.20	40.0' LT	33.0
40+85.39	40.0' LT	41+12.75	23.7' LT	33.0
TOTAL=				194.0
USE=				194.0

44000155 HMA SURFACE REMOVAL 1 1/2"

STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
IL 133 MAINLINE					
0+14.00		61+45.00	6131.0	26	17711.8
TOTAL =					17711.8
USE =					17712.0

44000500 COMBINATION CURB AND GUTTER REMOVAL

STATION	TO	STATION	FOOT	
1+22.61	20.4' LT	599+49.61	16.1' LT	60.0
1+39.13	19.5' RT	600+50.78	24.7' LT	45.0
600+54.87	30.5' RT	2+43.46	24.8' LT	33.0
TOTAL=				138.0
USE=				138.0

*DOUGLAS & MOULTRIE

44000600 SIDEWALK REMOVAL

STATION	TO	STATION	AREA (SQ.FT)
VINE STREET			
600+42.96		600+65.28 LT	95.65
		TOTAL=	95.65
		USE=	96.0

60255500 MANHOLES TO BE ADJUSTED

STATION	EACH
8+36.74 15.09' LT	1.0
11+79.44 14.47' LT	1.0
13+26.74 15.44' LT	1.0
15+17.77 13.79' LT	1.0
17+45.31 37.00' RT	1.0
17+45.93 13.69' LT	1.0
	TOTAL= 6.0
	USE= 6.0

60600095 CLASS SI CONCRETE (OUTLET)

STATION	CU YD
1+01.47 18.5' LT	0.64
1+32.67 17.8' RT	0.64
599+09.23 15.5' LT	0.64
599+37.71 17.0' RT	0.64
2+43.79 18.2' LT	1.91
3+04.76 18.1' RT	0.64
	TOTAL= 5.11
	USE= 5.0

60600605 CONCRETE CURB, TYPE B

STATION	TO	STATION	FOOT
33+20.54	23.9' RT	33+40.24	40.0' RT
33+85.25	40.0 RT	34+4.91	23.5' RT
33+78.60	27.2' LT	33+86.39	40.0' LT
34+45.81	40.0' LT	34+45.81	26.3' LT
35+84.81	22.5' LT	35+98.65	40.0' LT
36+42.17	40.0' LT	36+55.77	23.3' LT
40+12.27	23.2' LT	40+39.20	40.0' LT
40+85.39	40.0' LT	41+12.75	23.7' LT
		TOTAL=	194.0
		USE=	194.0

60605000 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

STATION	TO	STATION	FOOT
1+01.47	18.5' LT	600+51.05	24.6' LT
1+32.67	17.8' RT	599+09.23	15.5' LT
600+54.45	28.6' RT	2+43.79	20.7' LT
599+37.71	17.0' RT	3+04.76	18.1' RT
		TOTAL=	325.0
		USE=	325.0

70300100 SHORT-TERM PAVEMENT MARKING

STATION	TO	STATION	MILLING FOOT	BINDER FOOT	SURFACE FOOT	TOTAL FOOT	70301000 WORK ZONE PAVEMENT MARKING REMOVAL SQ.FT
0+14.00		61+45.00	1103.5	1103.5	1103.5	3310.5	367.8
		TOTAL=				3310.5	367.8
		USE=				3311.0	368.0

•DOUGLAS & MOULTRIE

FILE NAME =	USER NAME = bowerml	DESIGNED - MLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwork\pwork\PWIDOT\BOWERML\dms85036\70234 Schedules.dgn	DRAWN - MLB	REVISIED -	749					120RS-3	*	55	15	
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISIED -	CONTRACT NO. 70234									
PLOT DATE = 12/4/2009	DATE - 11/05/20	REVISIED -	SCALE: N/A		SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT					

78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"

STATION	TO	STATION	LOCATION	QUANTITY (FT)	COLOR
0+14.00		0+96.58	LT EDGE	82.58	WHITE
0+14.00		1+28.13	RT EDGE	114.13	WHITE
0+14.00		1+42.71	CENTER	257.42	YELLOW
2+31.85		4+50.00	CENTER	436.30	YELLOW
2+48.05		61+45.00	LT EDGE	5896.95	WHITE
3+09.73		61+45.00	RT EDGE	5835.27	WHITE
4+50.00		61+45.00	SKIP-DASH	1423.75	YELLOW

VINE STREET

598+80.00		599+53.87	CENTER	147.74	YELLOW
600+45.16		601+64.00	CENTER	237.68	YELLOW

TOTAL= 14431.8

USE= 14432.0

78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6"

STATION	LOCATION	QUANTITY (FT)	COLOR
600+36.11	VINE STREET	142.0	WHITE
10+13.10		40.0	WHITE

TOTAL= 182.0

USE= 182.0

78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"

STATION	QUANTITY (FT)	COLOR
10+13.10	40.0	WHITE

78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"

STATION	LOCATION	QUANTITY (FT)	COLOR
1+44.00		24.0	WHITE
599+54.00	VINE STREET	22.5	WHITE
600+43.00	VINE STREET	27.7	WHITE
2+32.00		28.8	WHITE
10+09.10		13.0	WHITE
10+17.10		13.0	WHITE

TOTAL= 129.0

USE= 129.0

78100100 RAISED REFLECTIVE PAVEMENT MARKER

STATION	TO	STATION	LOCATION	QUANTITY (EACH)
0+14.00		61+45.00	CL	77.0

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

STATION	TO	STATION	LOCATION	QUANTITY (EACH)
0+14.00		61+45.00	CL	77.0

X0321297 REMOVE EXISTING SIGN POST

STATION	EACH
1+90.00, 36.7' LT	1.0
	1.0

X0324058 OUTLET SPECIAL

STATION	CU YD
1+39.19 27.7' LT	1.0
2+20.55 33.7' RT	1.0
TOTAL=	2.0

USE= 2.0

X7240600 REMOVE AND RE-ERECT EXISTING SIGN

EXISTING STATION	PROPOSED STATION	EACH
1+39.00, 23.0' RT	1+30.73, 28.5' RT	1.0
1+53.00, 36.7' LT	1+61.57, 56.1' LT	1.0
2+07.00, 37.2' RT	2+08.46, 56.6' RT	1.0
2+49.00, 24.7' LT	2+49.52, 28.4' LT	1.0
		4.0

Z0002900 BASE COURSE (OPTION)

LOCATION	AREA (SQ YD)
SOUTHEAST QUAD	54.8
SOUTHWEST QUAD	50.9
NORTHWEST QUAD	28.6

TOTAL = 134.3

USE = 135.0

•DOUGLAS & MOULTRIE

FILE NAME =	USER NAME = bowerml	DESIGNED - MLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PWIDOT\BOWERML\dms85036\70234	Schedules.dgn	DRAWN - MLB	REVISED -					749	12ORS-3	*	55	16
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -		SCALE: N/A			SHEET NO. OF SHEETS		STA.	TO STA.	
	PLOT DATE = 12/4/2009	DATE - 11/05/20	REVISED -							CONTRACT NO. 70234		

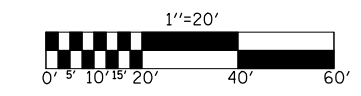
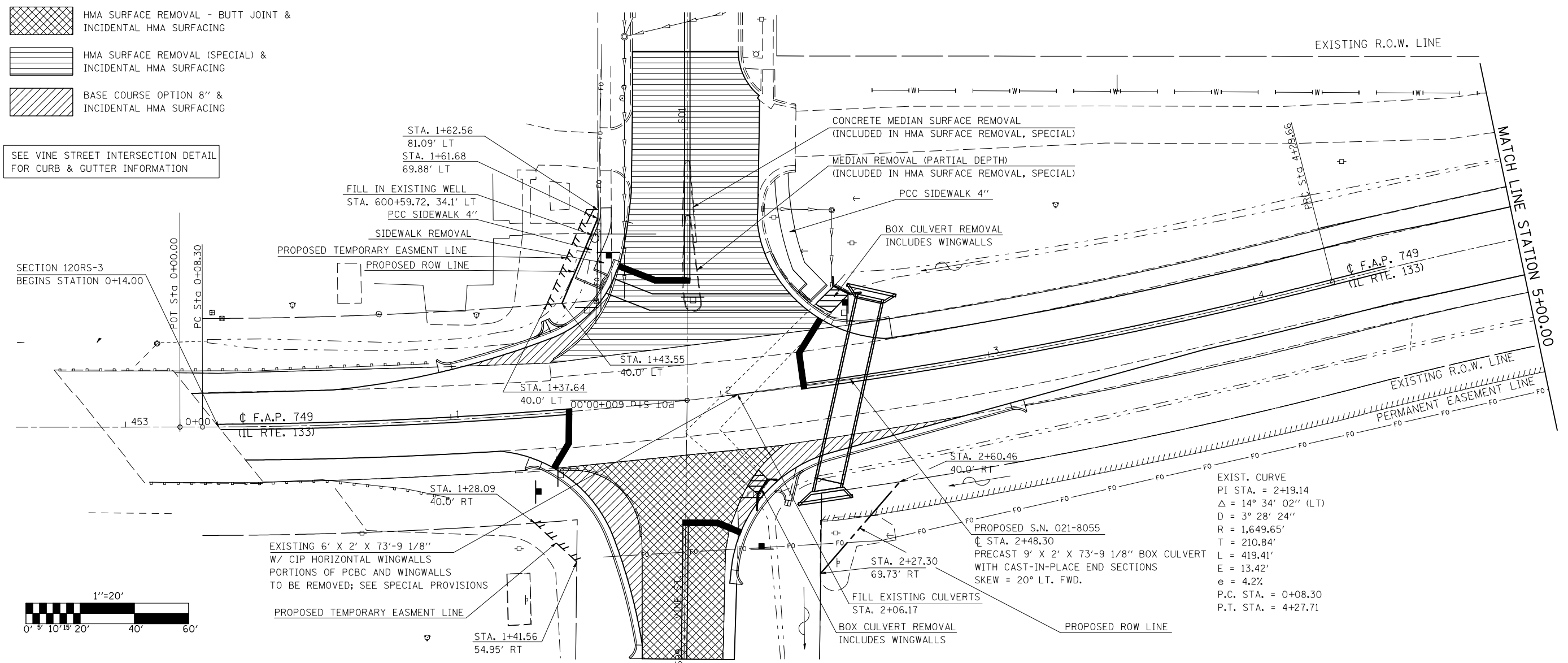
ILLINOIS FED. AID PROJECT



- HMA SURFACE REMOVAL - BUTT JOINT & INCIDENTAL HMA SURFACING
- HMA SURFACE REMOVAL (SPECIAL) & INCIDENTAL HMA SURFACING
- BASE COURSE OPTION 8" & INCIDENTAL HMA SURFACING

SEE VINE STREET INTERSECTION DETAIL FOR CURB & GUTTER INFORMATION

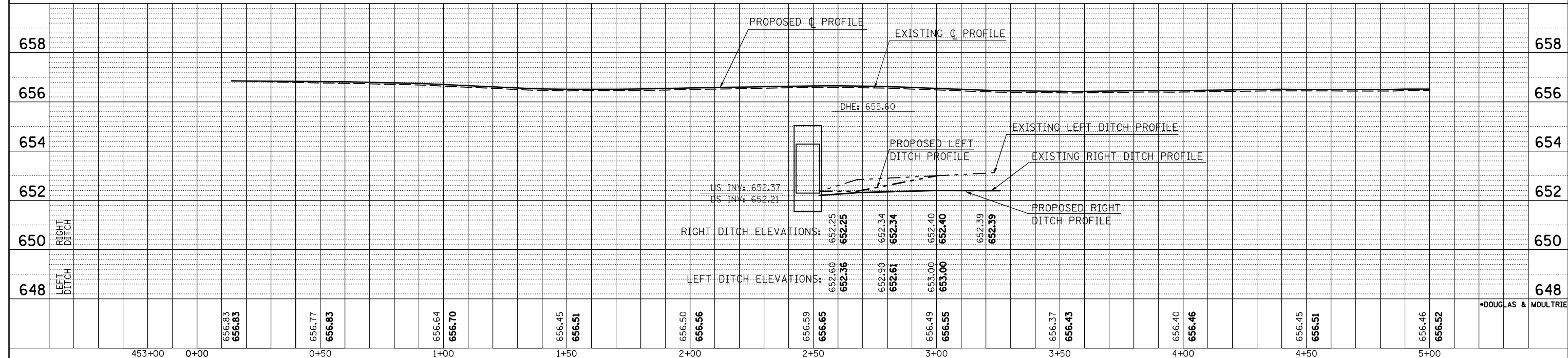
SECTION 120RS-3 BEGINS STATION 0+14.00



EXIST. CURVE
 PI STA. = 2+19.14
 Δ = 14° 34' 02" (LT)
 D = 3° 28' 24"
 R = 1,649.65'
 T = 210.84'
 L = 419.41'
 E = 13.42'
 e = 4.2%
 P.C. STA. = 0+08.30
 P.T. STA. = 4+27.71

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHKD	
	NOTE BOOK NO.	
	CADD FILE NAME	

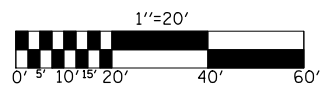
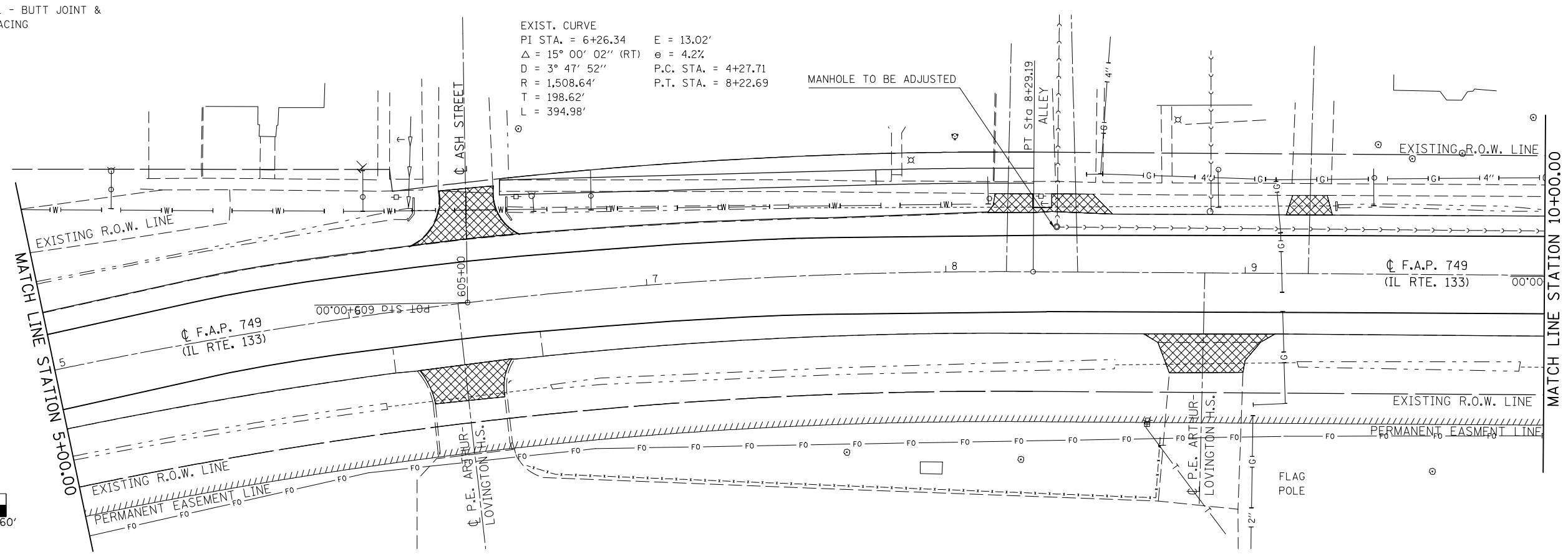
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ct:\pwwork\pwwid01\BOWERML\dms09036\78234\pp20.dgn	DRAWN - BBP	REVISOR -	SCALE: 1" = 20'			SHEET NO. OF SHEETS	STA. 0+00.00 TO STA. 5+00.00	CONTRACT NO. 70234		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
PLOT SCALE = 40.0000' / IN.	CHECKED - CRG	REVISOR -									
PLOT DATE = 12/4/2009	DATE - 09/14/07	REVISOR -									

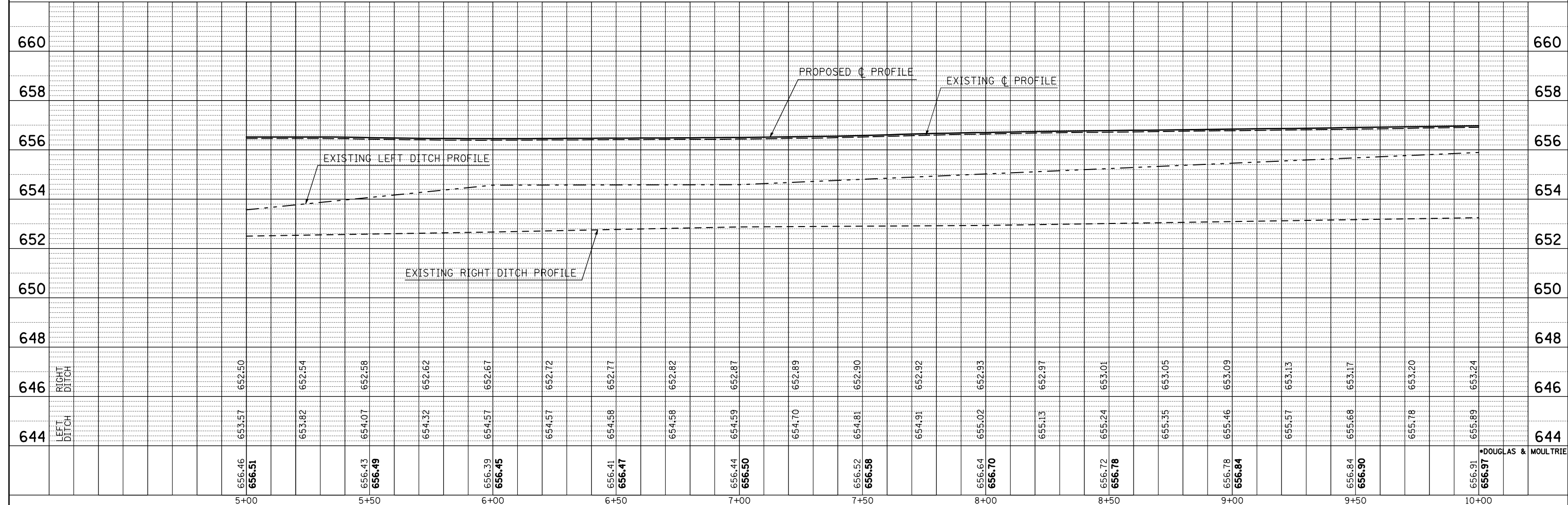
HMA SURFACE REMOVAL - BUTT JOINT & INCIDENTAL HMA SURFACING

EXIST. CURVE
 PI STA. = 6+26.34 E = 13.02'
 $\Delta = 15^\circ 00' 02''$ (RT) e = 4.2%
 D = 3° 47' 52" P.C. STA. = 4+27.71
 R = 1,508.64' P.T. STA. = 8+22.69
 T = 198.62'
 L = 394.98'



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	NO. _____		
	FILE NAME		

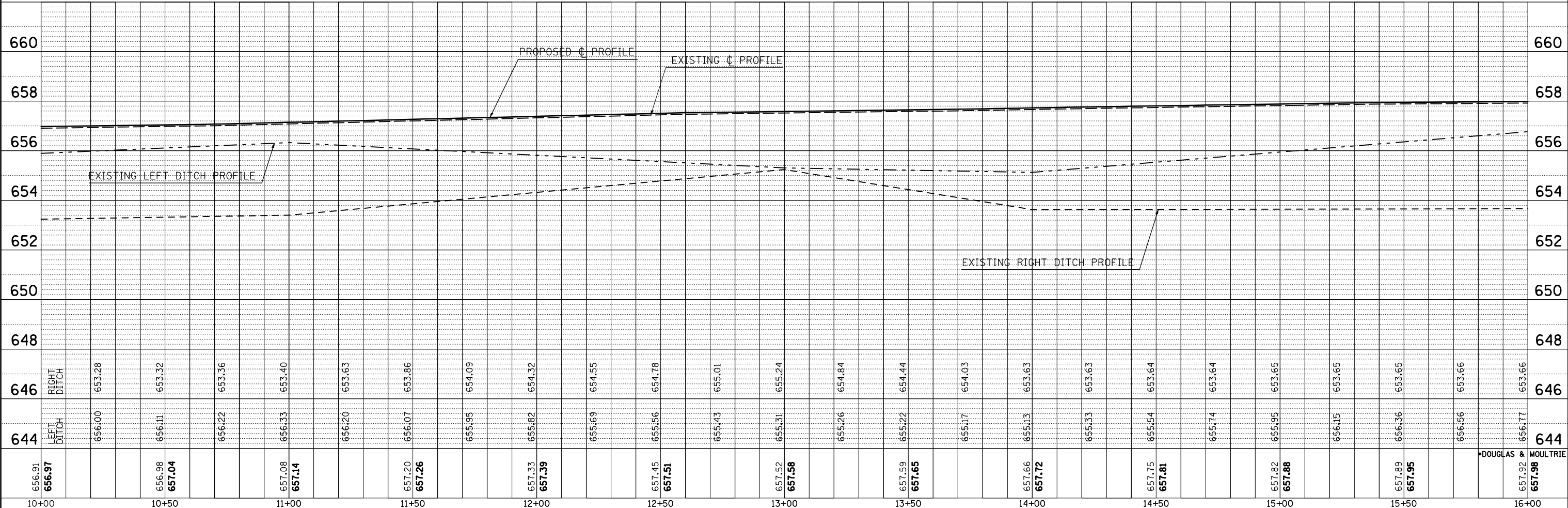
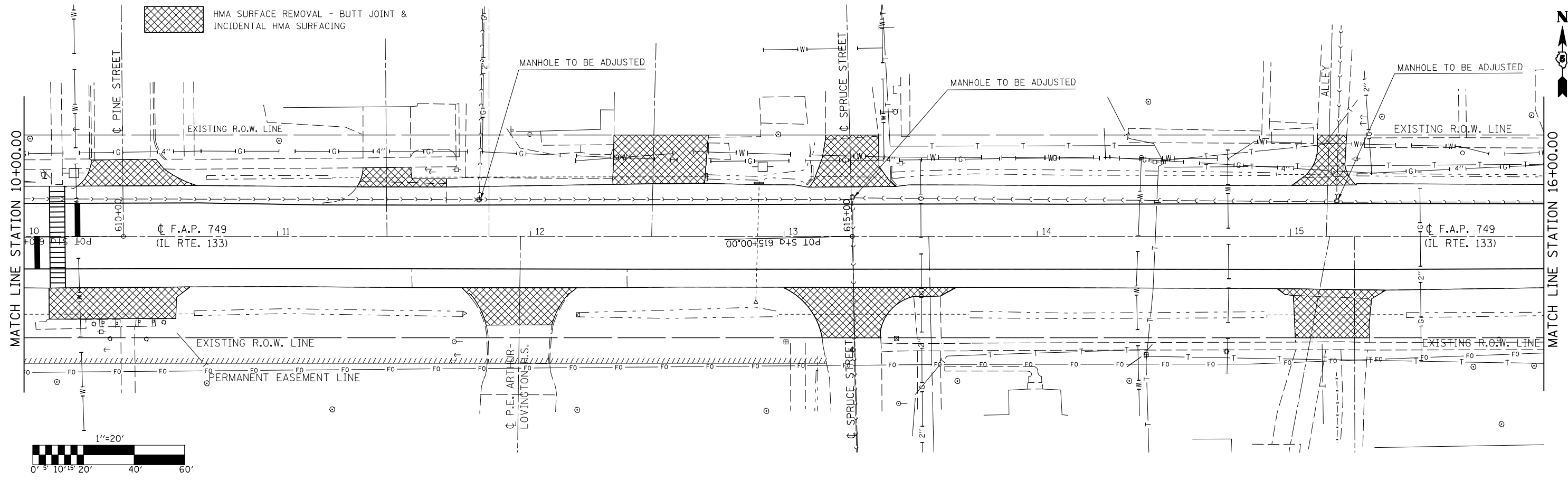
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	NO. _____		
	NOTATION		



FILE NAME =	USER NAME = bowerml	DESIGNED - CRG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 133 SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 5+00.00 TO STA. 10+00.00	F.A.P. RTE. 749	SECTION 120RS-3	COUNTY	TOTAL SHEETS 55	SHEET NO. 18
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PLOT DATE = 12/4/2009	DATE - 09/14/07	REVISED -								

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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATION		
	CHRD		
	NO.		



656.91 656.97	656.98 657.04	657.08 657.14	657.20 657.26	657.33 657.39	657.45 657.51	657.52 657.58	657.59 657.65	657.66 657.72	657.75 657.81	657.82 657.88	657.89 657.95	657.92 657.98
10+00	10+50	11+00	11+50	12+00	12+50	13+00	13+50	14+00	14+50	15+00	15+50	16+00

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

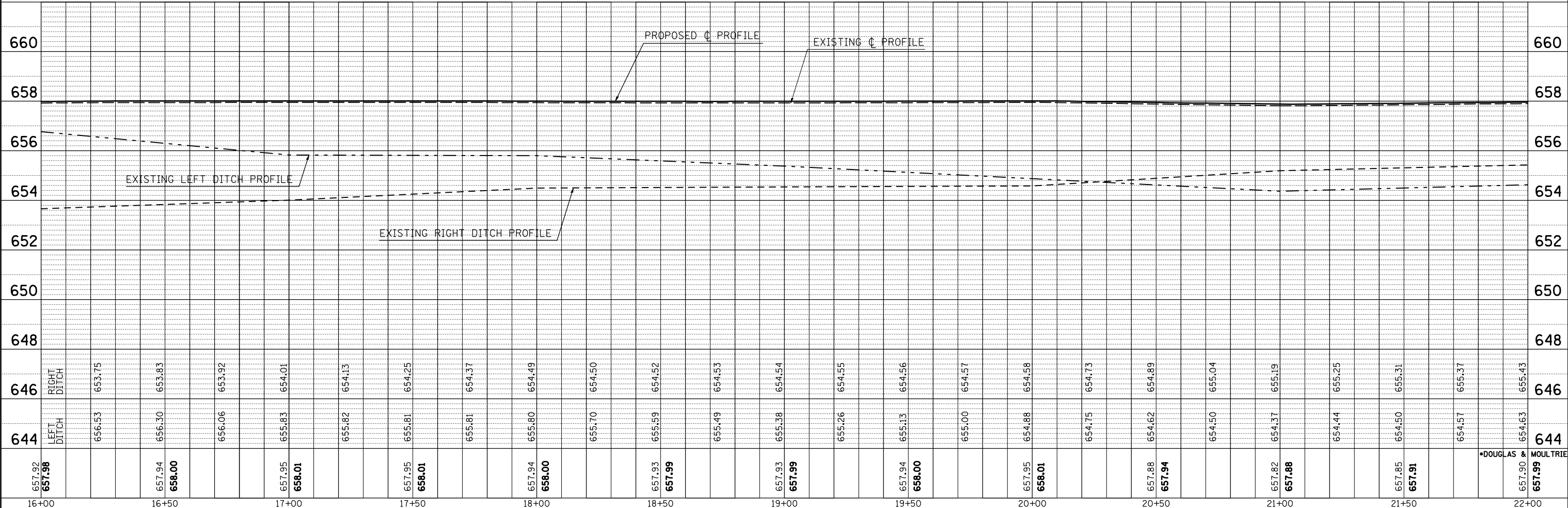
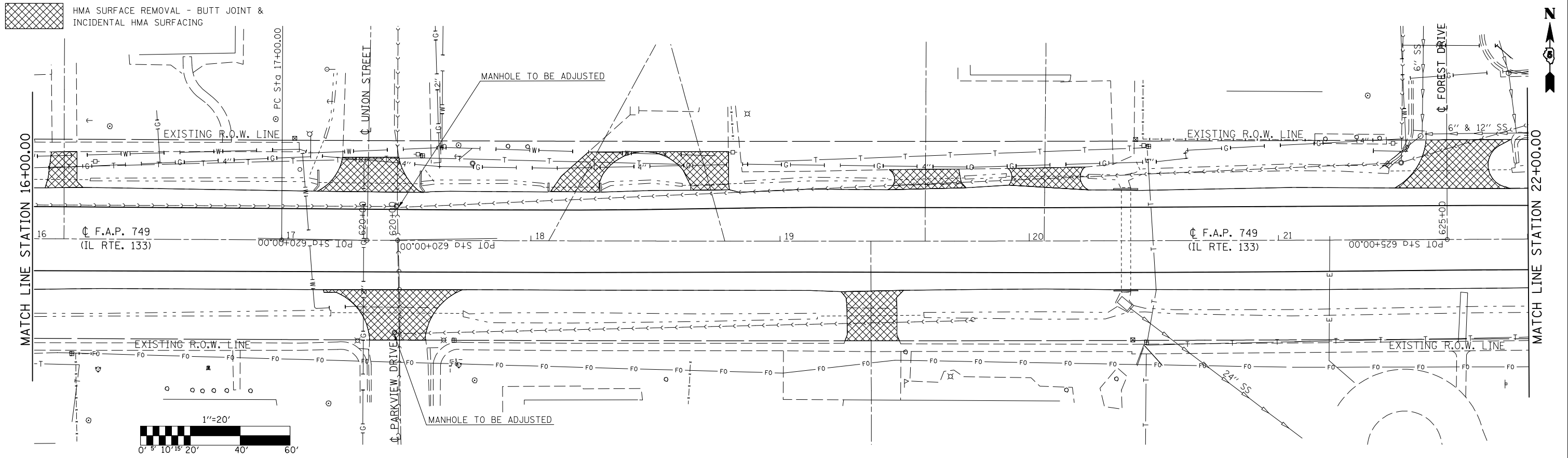
IL ROUTE 133

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 10+00.00 TO STA. 16+00.00

F.A.P. RTE. 749	SECTION 120RS-3	COUNTY *	TOTAL SHEETS 55	SHEET NO. 19
CONTRACT NO. 70234			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

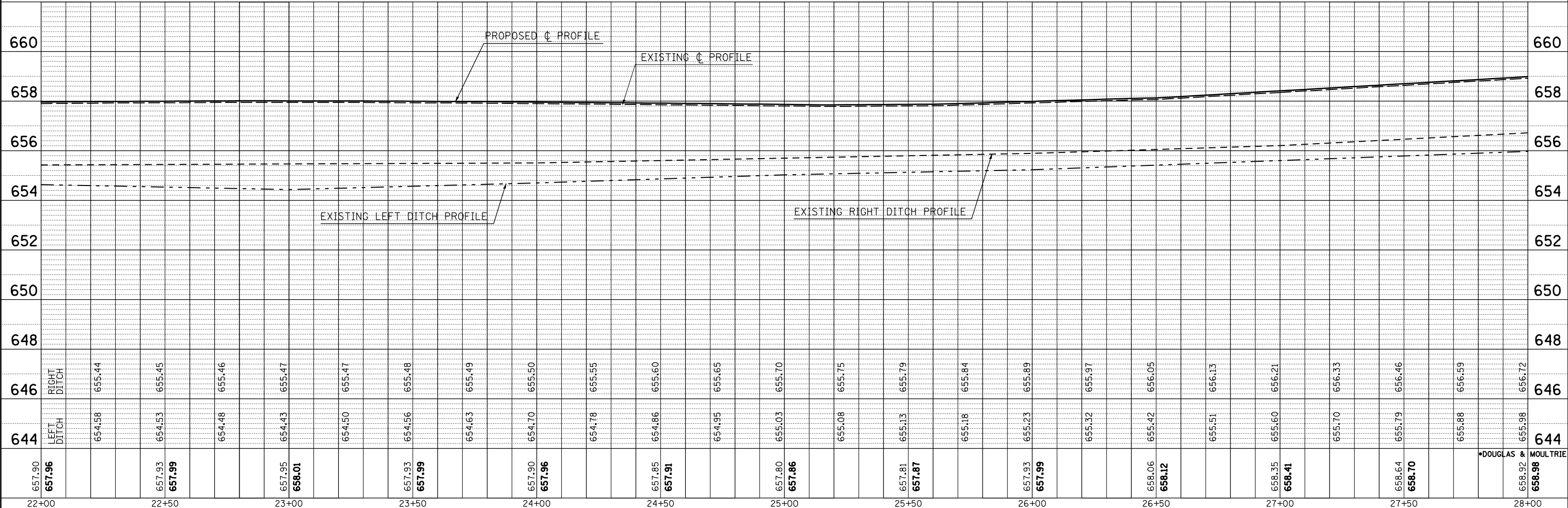
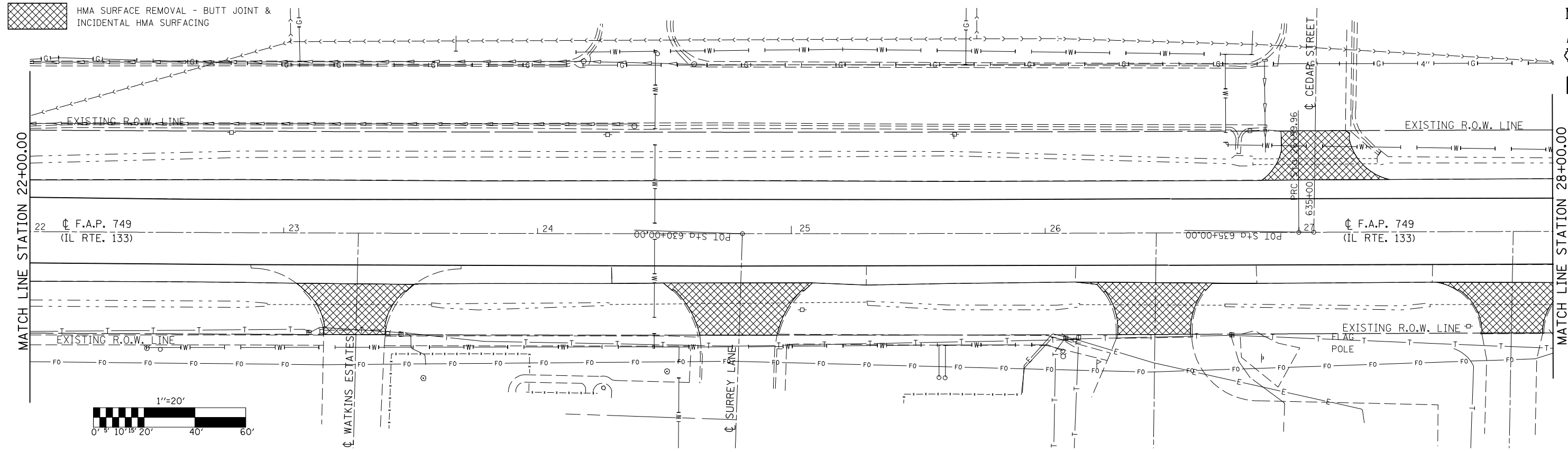
IL ROUTE 133

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 16+00.00 TO STA. 28+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-3		55	20
CONTRACT NO. 70234				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
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	CADD FILE NAME		

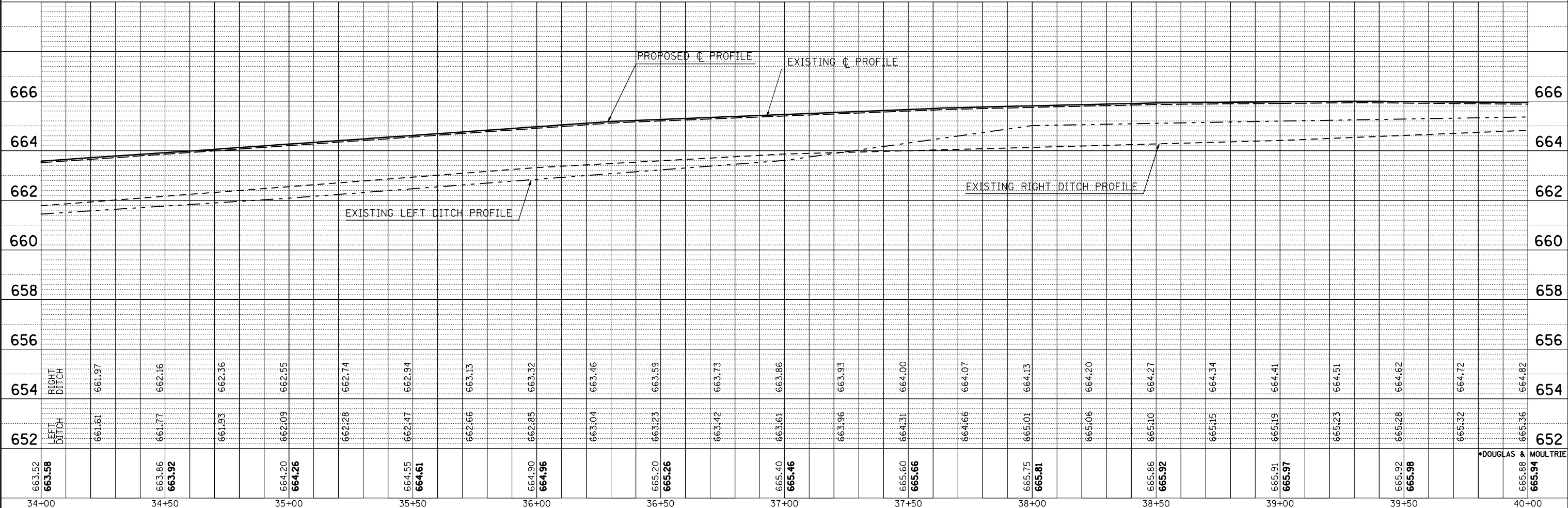
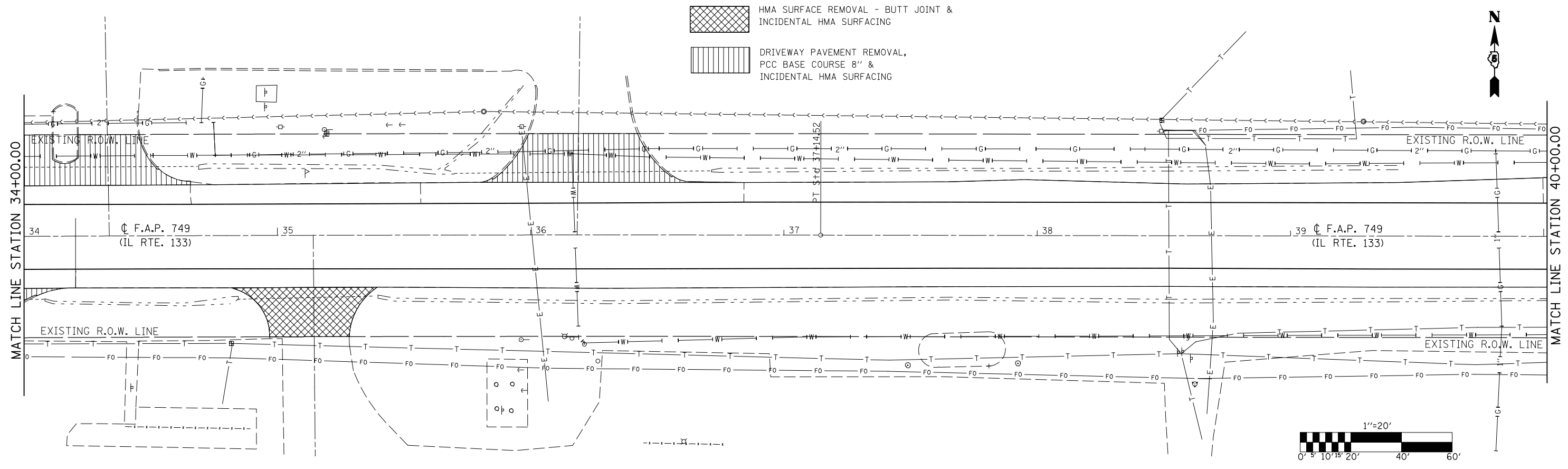
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FILE NAME =	USER NAME = bowerml	DESIGNED - CRG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 133	F.A.P. RTE. 749	SECTION 120RS-3	COUNTY *	TOTAL SHEETS 55	SHEET NO. 21	
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	PLOT DATE = 12/4/2009	CHECKED - CRG	REVISED -								
		DATE - 09/14/07	REVISED -								

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILE NAME		
	NO.		

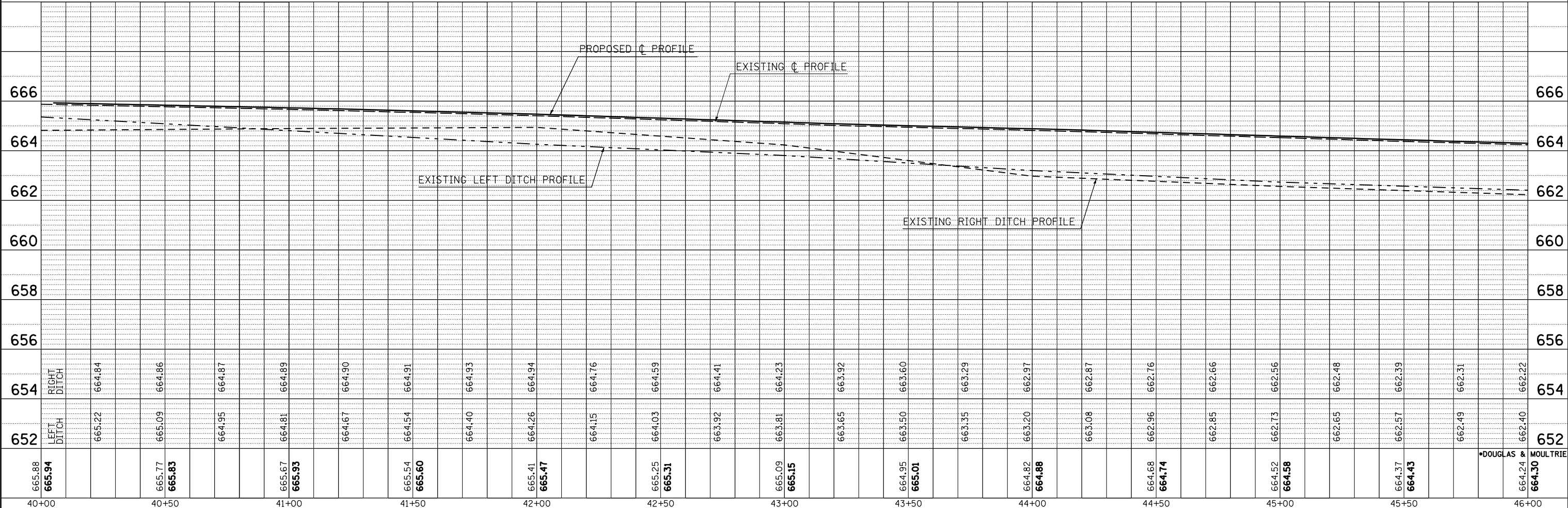
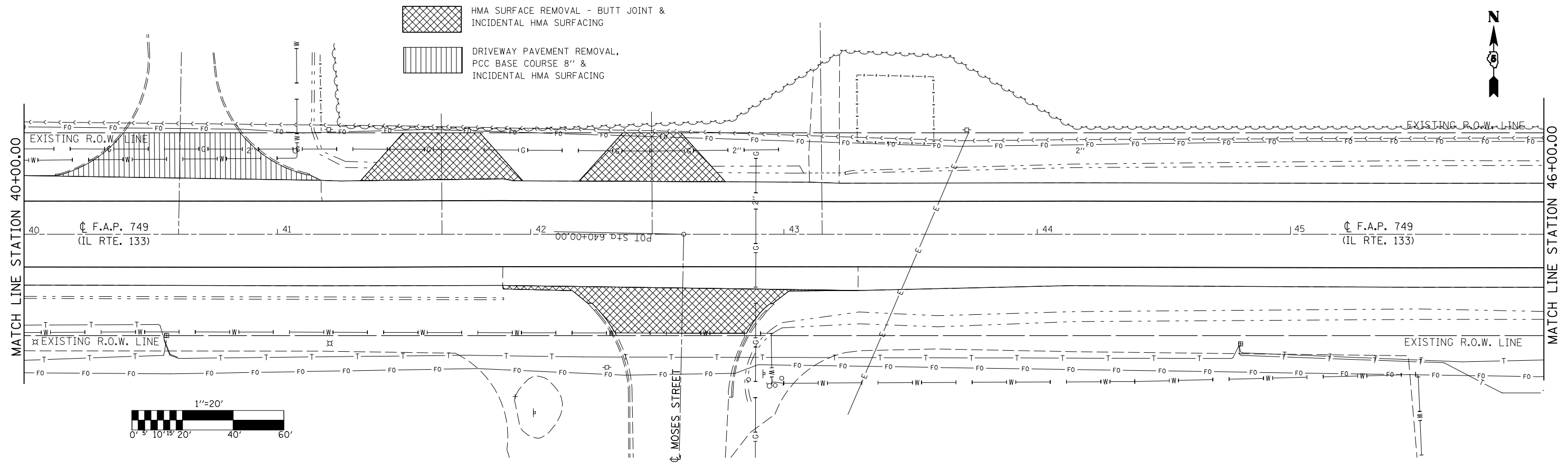
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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	STRUCTURE		
	NOTATION		
	NO.		



FILE NAME =	USER NAME = bowerml	DESIGNED - CRG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 133 SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 34+00.00 TO STA. 40+00.00	F.A.P. RTE. 749	SECTION 120RS-3	COUNTY *	TOTAL SHEETS 55	SHEET NO. 23	
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	PLOT SCALE = 40.0000' / IN.	CHECKED - CRG	REVISED -								
	PLOT DATE = 12/4/2009	DATE - 09/14/07	REVISED -								

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	ALIGNED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	



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PLOT DATE = 12/4/2009		DATE - 09/14/07	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 133

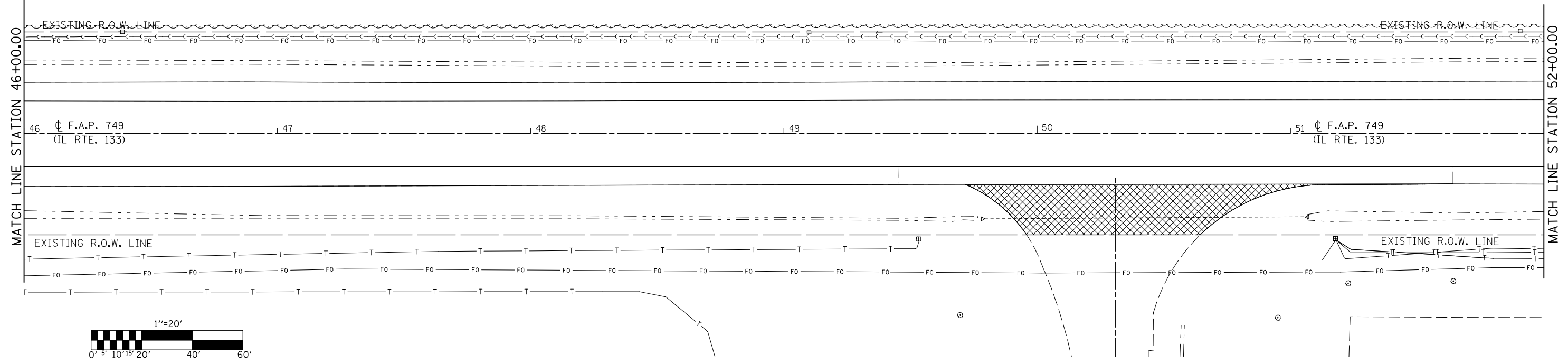
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-3		55	24
CONTRACT NO. 70234				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

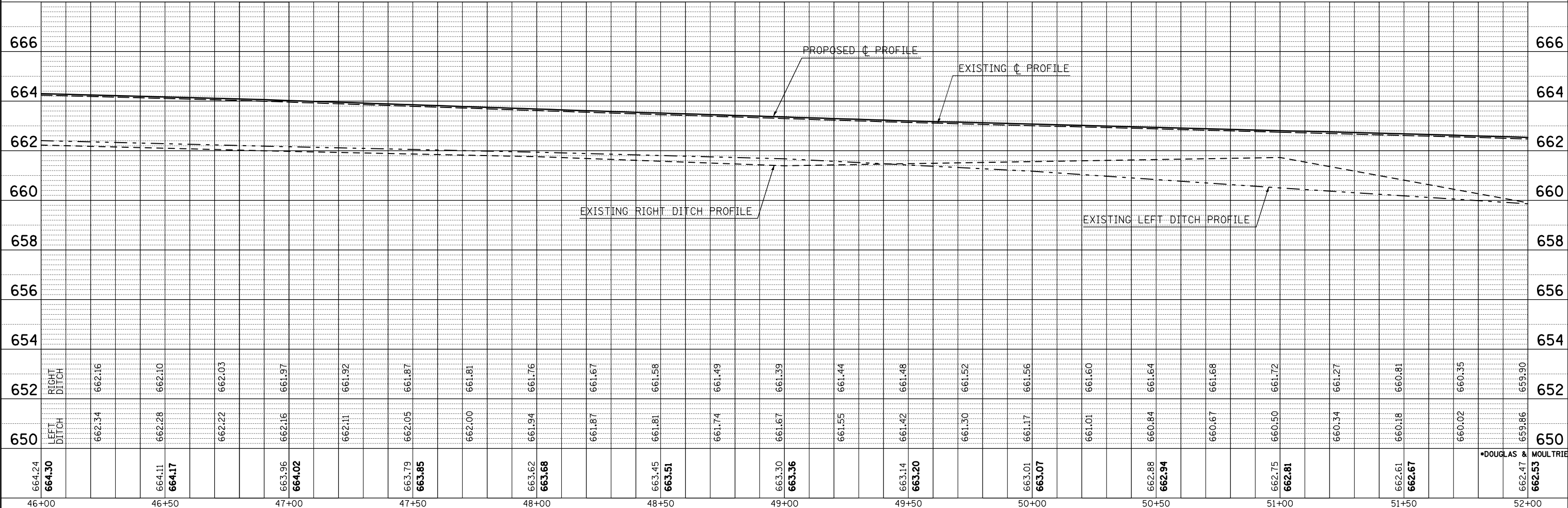
HMA SURFACE REMOVAL - BUTT JOINT & INCIDENTAL HMA SURFACING



PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	CHECKED	
	AT	
	FILE NAME	



PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	CHECKED	
	AT	
	FILE NAME	



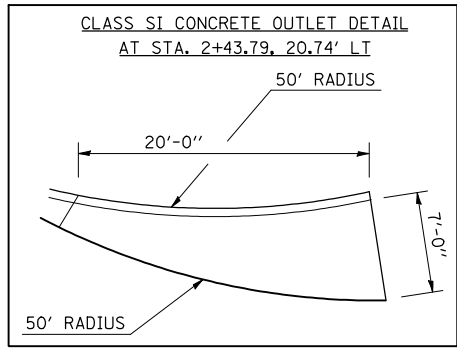
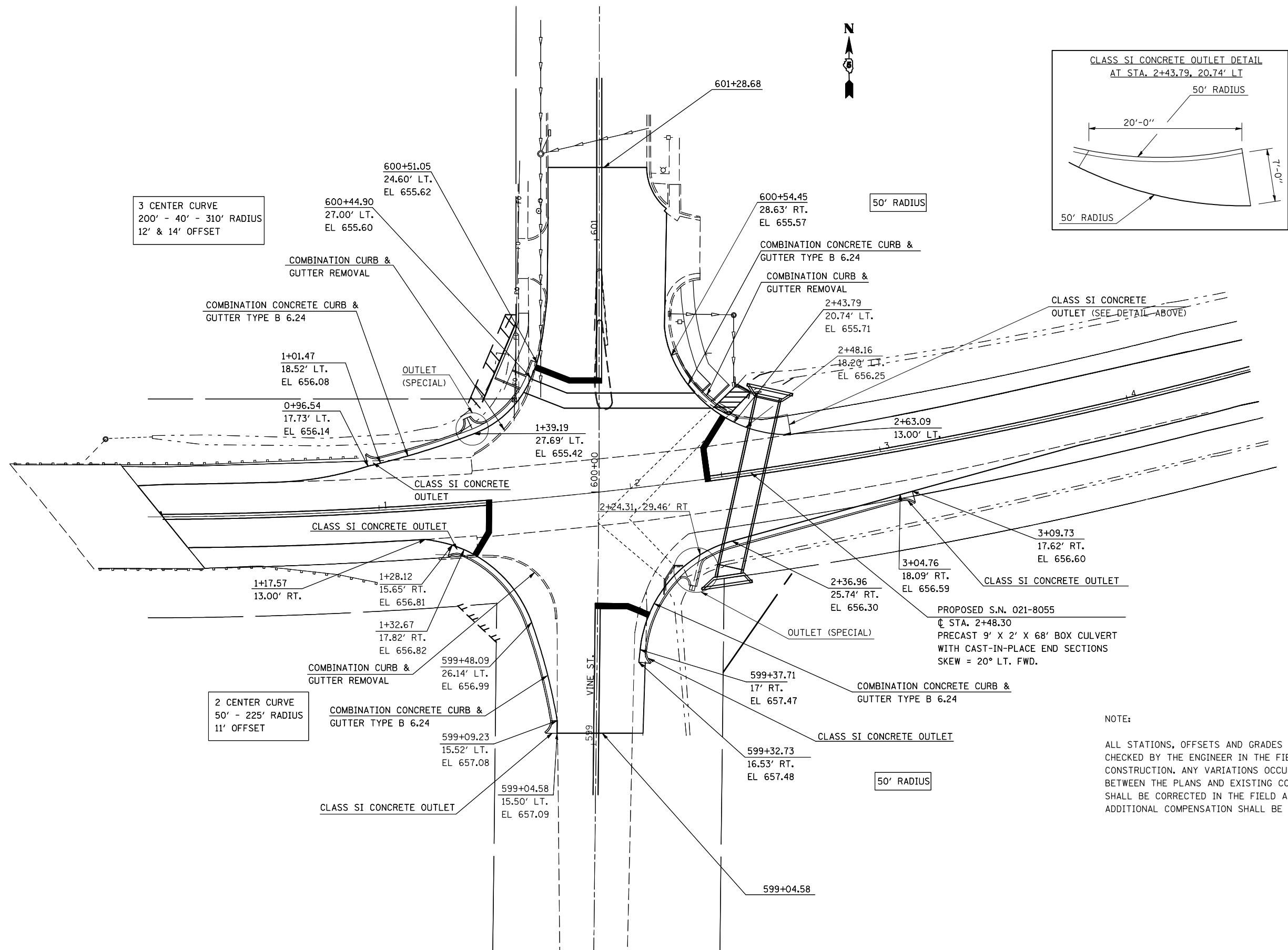
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		CHECKED - CRG	REVISED -
		DATE - 09/14/07	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 133

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 46+00.00 TO STA. 52+00.00

F.A.P. RTE. 749	SECTION 120RS-3	COUNTY *	TOTAL SHEETS 55	SHEET NO. 25
CONTRACT NO. 70234			*DOUGLAS & MOULTRIE	



3 CENTER CURVE
200' - 40' - 310' RADIUS
12' & 14' OFFSET

2 CENTER CURVE
50' - 225' RADIUS
11' OFFSET

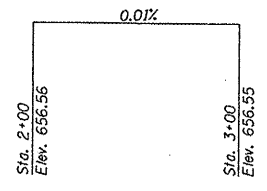
50' RADIUS

50' RADIUS

NOTE:
ALL STATIONS, OFFSETS AND GRADES SHALL BE CHECKED BY THE ENGINEER IN THE FIELD PRIOR TO CONSTRUCTION. ANY VARIATIONS OCCURRING BETWEEN THE PLANS AND EXISTING CONDITIONS SHALL BE CORRECTED IN THE FIELD AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

FILE NAME =	USER NAME = bowerml	DESIGNED - RTC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION IMPROVEMENTS VINE STREET				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PWIDOT\BOWERML\dms85036\70234\deta1.s.dgn		DRAWN -	REVISED -		749	120RS-3	*	55	28				
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PLOT DATE = 12/4/2009		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

•DOUGLAS & MOULTRIE



Profile Grade
Along \bar{C} of Roadway

STATION 2+48.30
BUILT 20... BY
STATE OF ILLINOIS
F.A.P. RT. 749 SEC. 12ORS-3
LOADING HS 20
STRUCTURE NO. 021-8055

NAME PLATE
See Std. 515001

INDEX OF SHEETS

- 1. General Plan and Elevation
- 2-4 Box Culvert End Section Details
- 5. Staging Details
- 6. Porous Granular Detail

DESIGN SPECIFICATIONS
2002 AASHTO

LOADING HS20-44

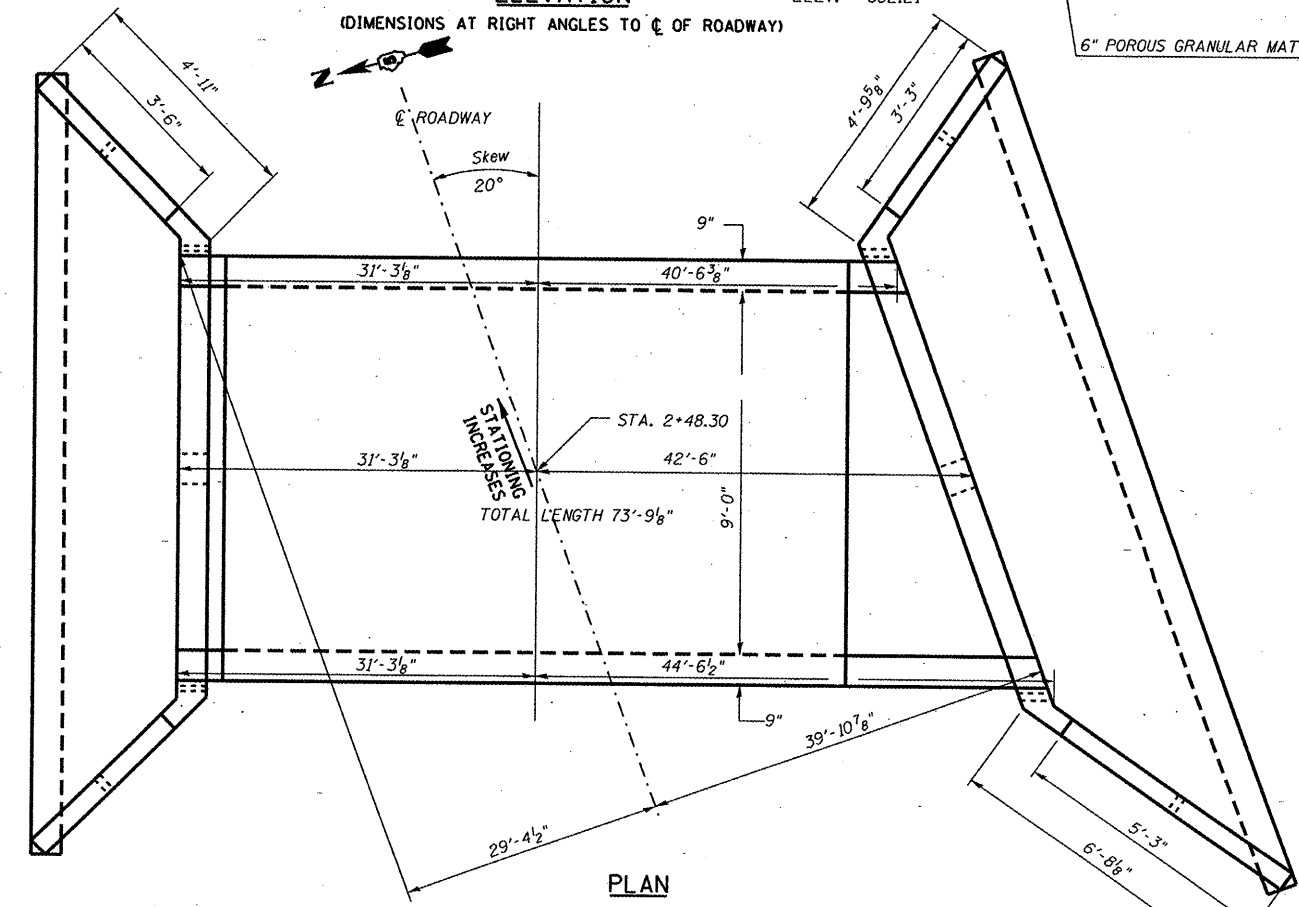
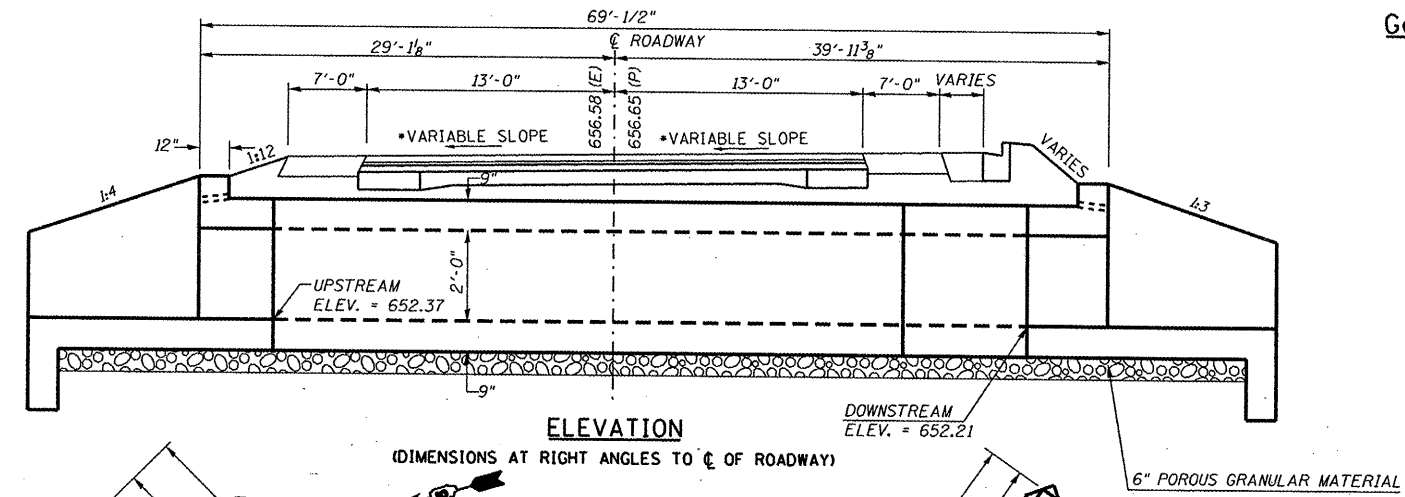
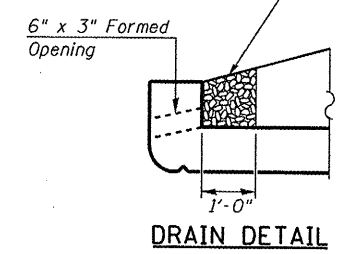
Allow 50#/sq.ft. for future wearing surface

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)
 $f_y = 65,000$ psi (welded wire fabric)

PRECAST UNITS
 $f'_c = 5,000$ psi
 $f_y = 65,000$ psi (welded wire fabric)

Coarse aggregate full length of both headwalls. To be placed by Grading Contractor. Cost included with Box Culvert End Sections.



WATERWAY INFORMATION

Drainage Area = 0.136 sq. mi. Low Grade Elev. 656.99 @ Sta. 2+48.30

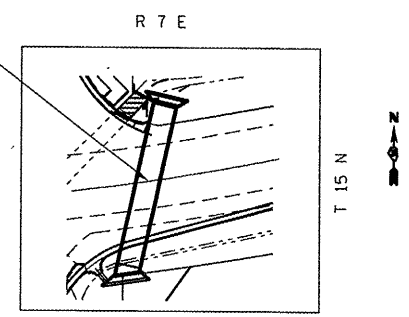
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Not. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	64	12	18			655.1	654.8	
Base	50	106	12	18			Over	655.6	
Overtopping	100	125	12	18			Over	656.2	
Max. Calc.	500	173	12	18			Over	656.9	

Note: Information provided using the USGS StreamStats methodology.

Design Scour Elevation Table

Design Scour Elevation (ft.)	Upstream	Downstream
	649.37	649.21

PR. SN 021-8055
STA. 2+48.30



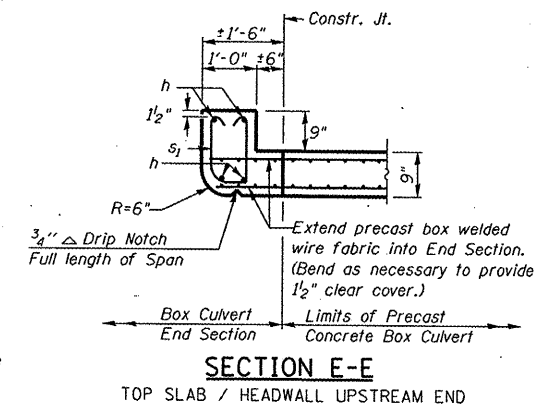
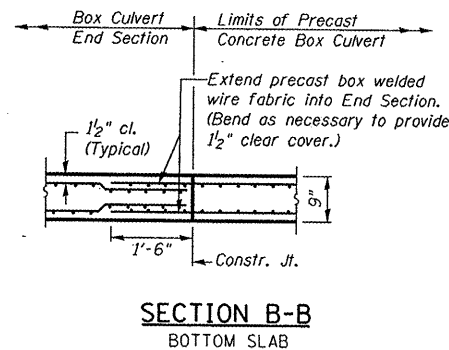
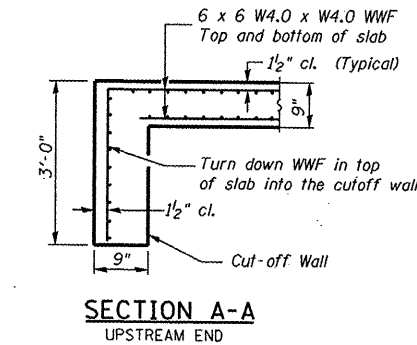
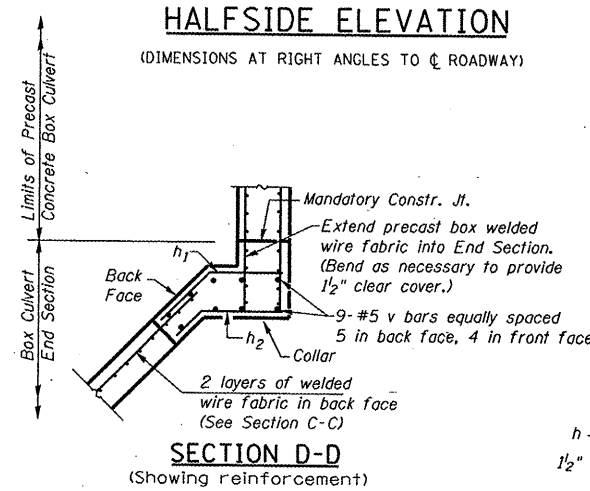
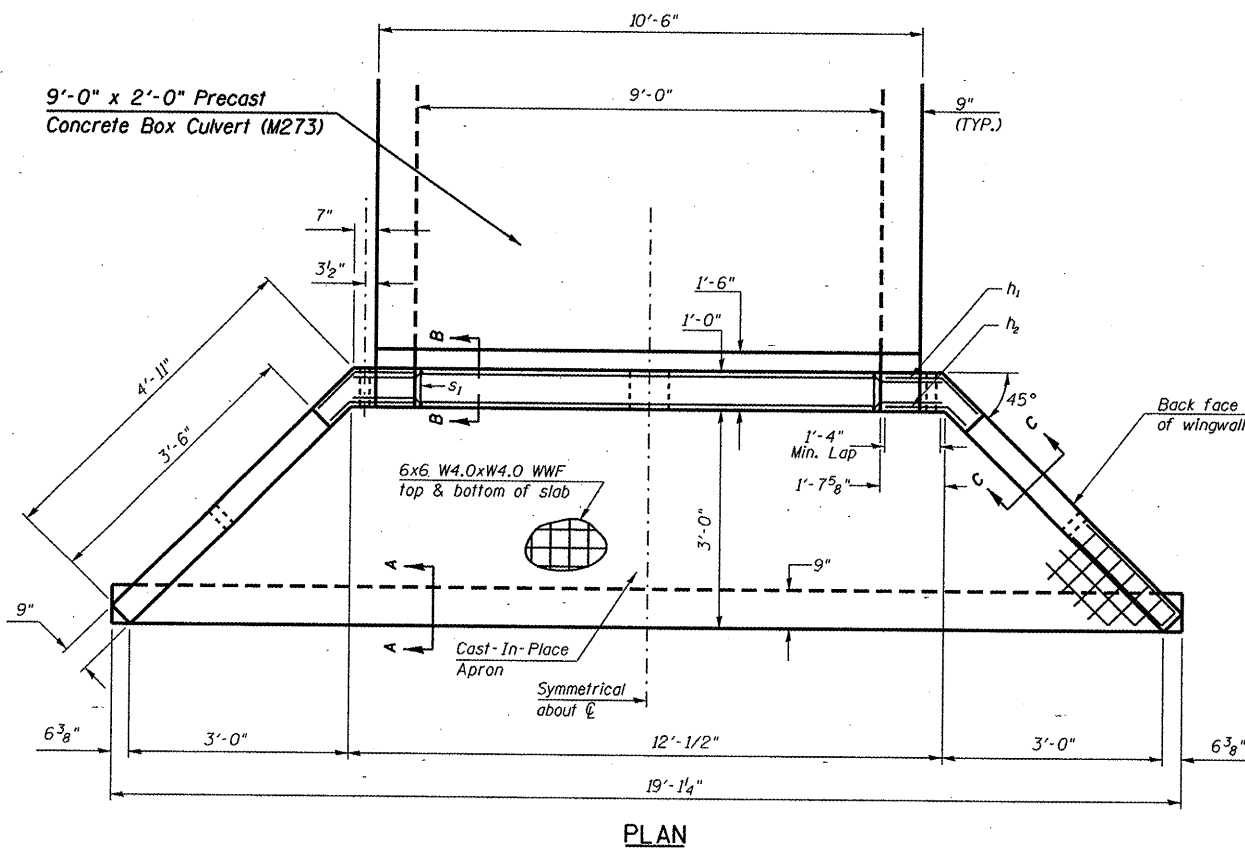
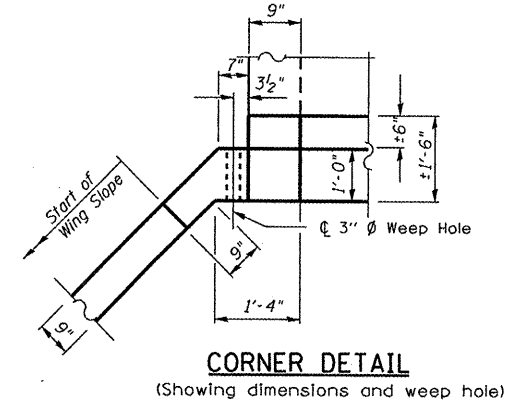
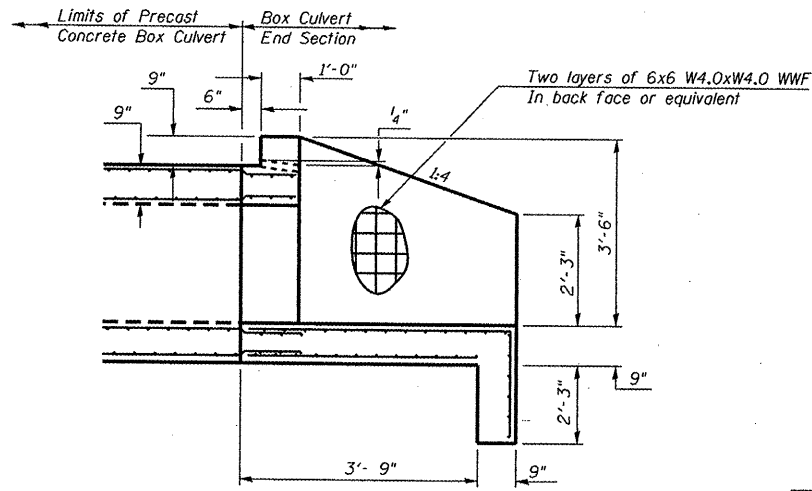
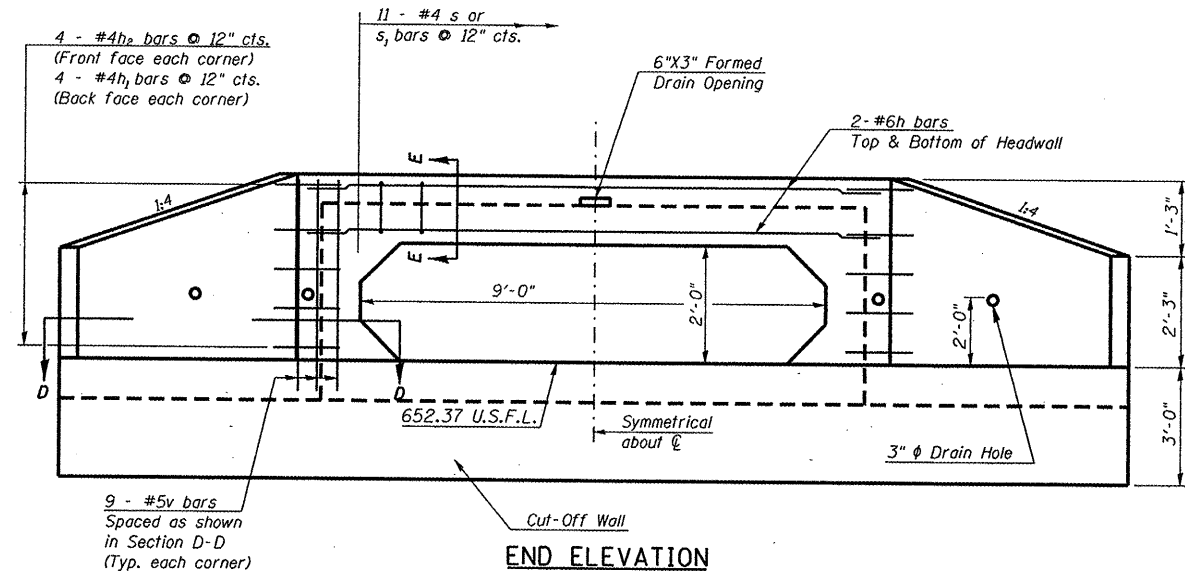
General Notes

- All construction joints shall be bonded according to Article 503.09 of the Standard Specifications.
- Reinforcement bars shall conform to the requirements of ASTM A706 Gr. (IL Modified). See Special Provisions.
- The 6" Porous Granular Material required per Art. 540.06 of the Standard Specifications shall also extend beneath the Box Culvert End Sections and shall be considered included in the cost of Precast Concrete Box Culverts and Box Culvert End Sections.
- When lapping sheets of welded wire fabric, the overlap measured between the outermost cross wires of each fabric sheet shall not be less than 8"
- End Sections will be paid for at the contract unit price per each for BOX CULVERT END SECTIONS, as outlined in Section 540 of the Standard Specifications.
- Class SI Concrete shall be used throughout.
- Concrete, Rebar, and Welded Wire Fabric quantities and lengths calculated for the cast-in-place End Sections may vary based on the precast box culverts supplied.
- Drain holes shall be provided in accordance with Article 503.11 of the Standard Specifications.
- The box culvert end sections may be cast in place or precast. A precast cut-off wall may be used with a cast in place end section provided the cut-off wall is securely attached to the end section in the field after the cut-off wall is in place. Connection details shall be provided by the contractor and subject to approval by the engineer. If the contractor elects to use a precast cut-off wall, shop drawings and a proposed construction sequence shall be submitted to the Engineer for approval.
- The ends of the precast box sections adjacent to the cast-in-place end section shall be formed without the male and female shapes specified in Article 8.1 of AASHTO M273. See Sections B-B, D-D, E-E, and F-F on Sheet 2.
- The design fill height for this box is less than 2 feet. The Precast Concrete Box Culvert Sections shall conform to the requirements of AASHTO M 273. The design reinforcement areas shall conform to those found in Table 1 of AASHTO M273 for a 9 x 5 box section except As1 shall equal 0.38 and As2 shall equal 0.57
- The joints between precast box sections shall be sealed, all voids filled with a mastic joint sealer. In addition, the joints shall be externally sealed on all four sides with a 13 inch wide external sealing band. The seal shall be centered over the joint, secured in place and protected during the backfilling process.
- Area of reinforcement for the downstream cast-in-place section of box culvert shall be as required for the precast box sections. Spacing and laps of WWF shall be in accordance with AASHTO M 273 except as shown in Cast-In-Place Section of Box Culvert To Be Built In Field. If the Contractor elects to use reinforcement bars instead of WWF for cast-in-place section of box culvert, bars may consist of #3 thru #6 bars and the spacing shall not exceed the lesser of the wall thickness or 8".
- All dimensions are in FEET (') - INCHES (") unless otherwise noted.
- Drawings not to scale.

TOTAL BILL OF MATERIAL

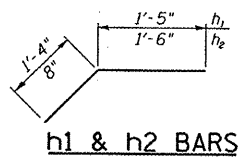
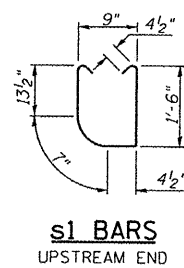
Item	Unit	Total
Precast Concrete Box Culverts 9'x2'	FOOT	68
Box Culvert End Sections	Each	2
Name Plates	Each	1
EXISTING 6'x2' BOX CULVERT @ STA. 2+06.17		
Filling Existing Culverts	CU YD	40
Box Culvert Removal	FOOT	18
Concrete Removal	CU YD	5

SINGLE 9'x2' PRECAST BOX CULVERT AT SKEW = 20° LT. FWD



BILL OF MATERIAL
For Information Only
(One End Section)

Bar	No.	Size	Length	Shape
h	4	#6	11'-8"	—
h ₁	8	#4	2'-9"	—
h ₂	8	#4	2'-2"	—
s ₁	11	#4	4'-6"	U
v	18	#5	4'-3"	—
Item		Unit	Total	
Class SI Concrete		Cu. Yd.	5.9	
Reinforcement Bars		Pound	210.0	
Welded Wire Fabric		Sq. Ft.	304.0	



FILE NAME =	USER NAME = #USER#	DESIGNED - <i>MLB</i>	REVISED -
#FILE#		DRAWN - <i>MLB</i>	REVISED -
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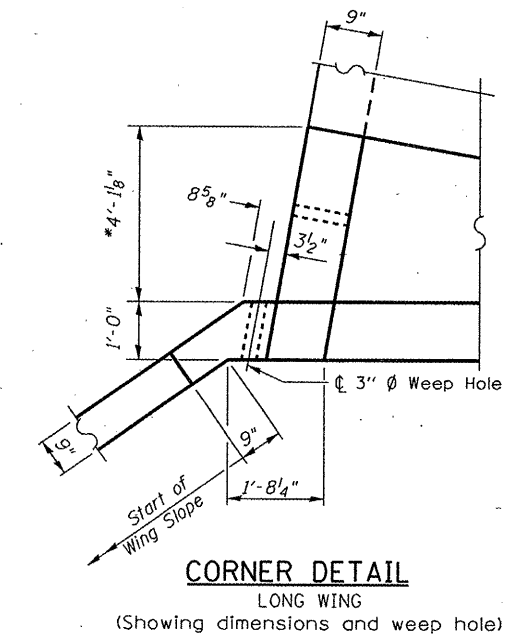
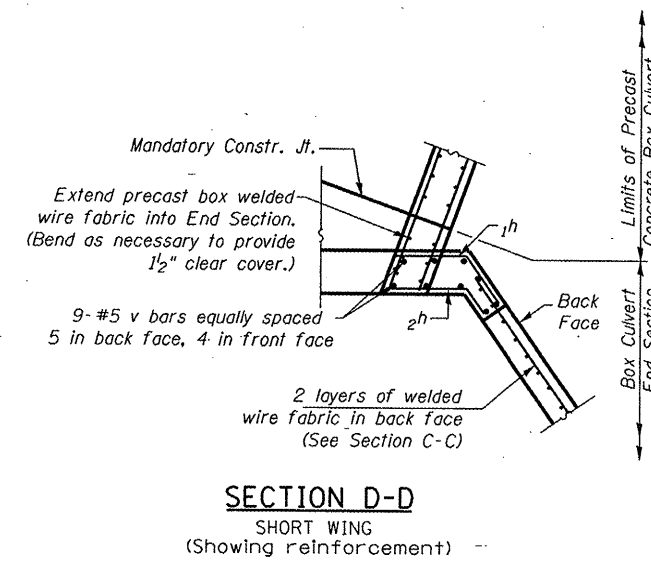
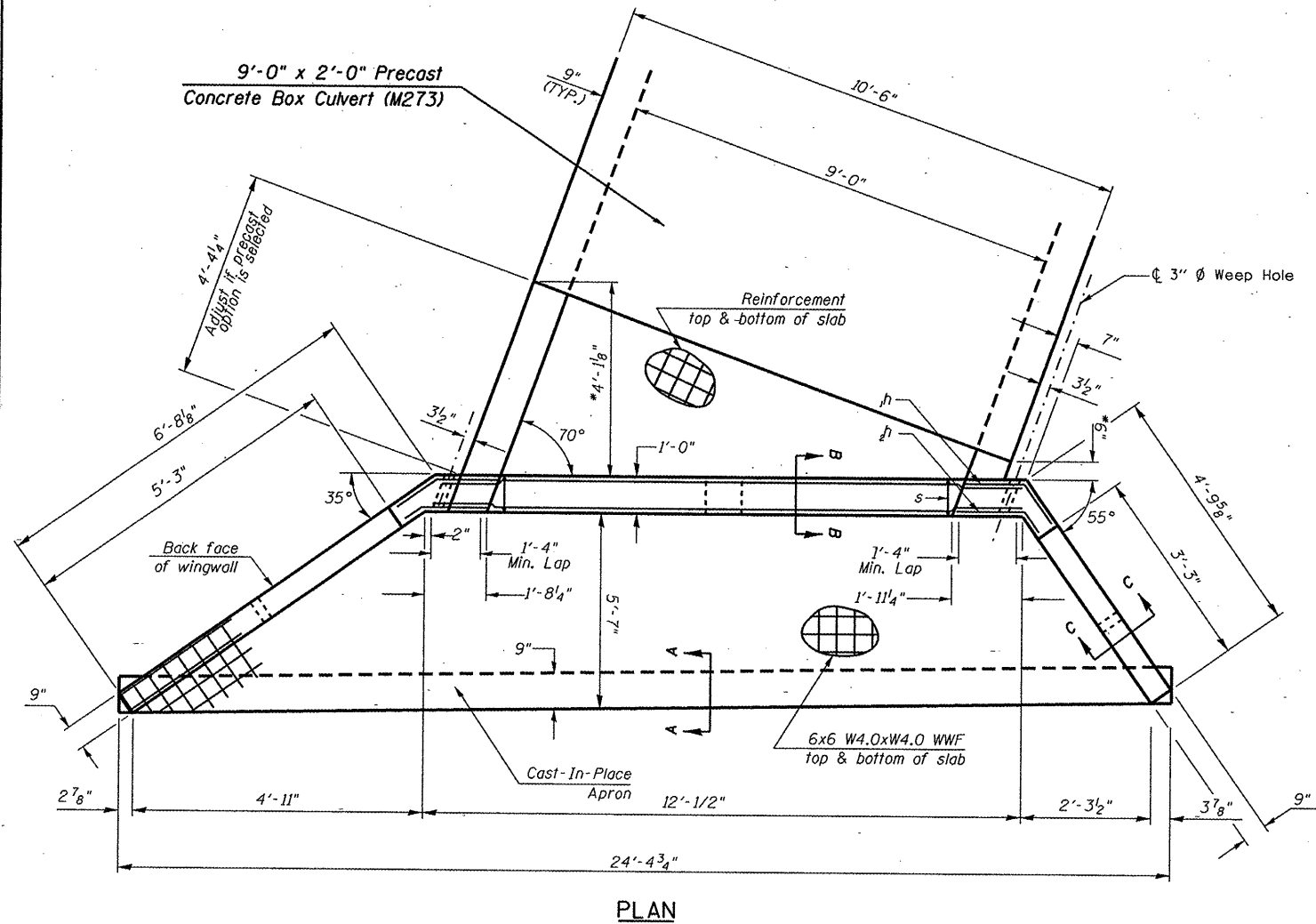
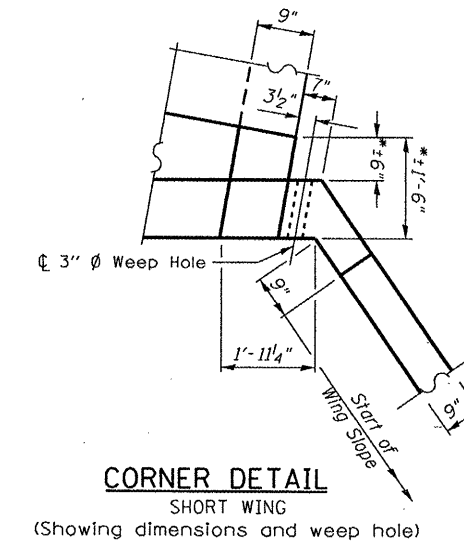
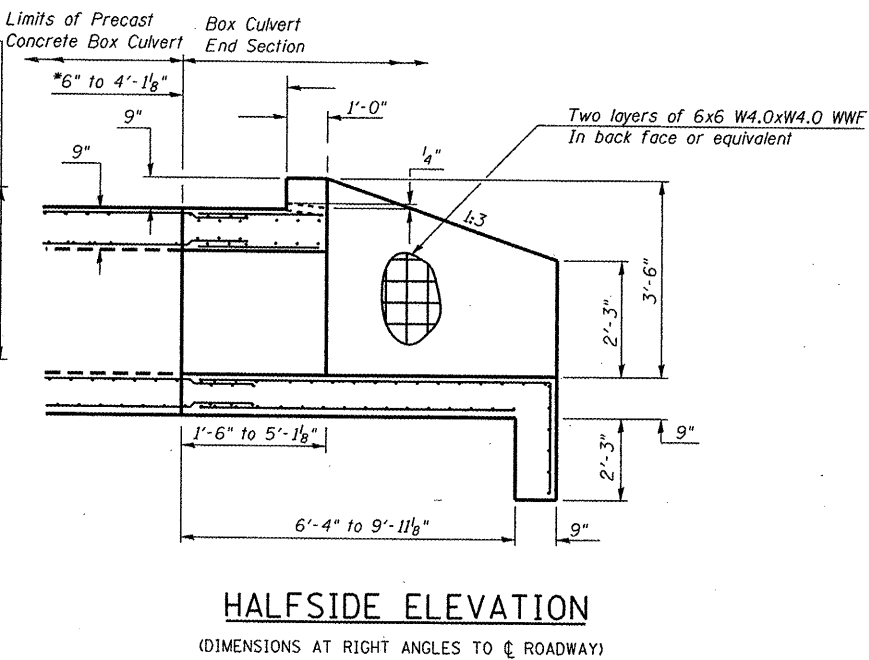
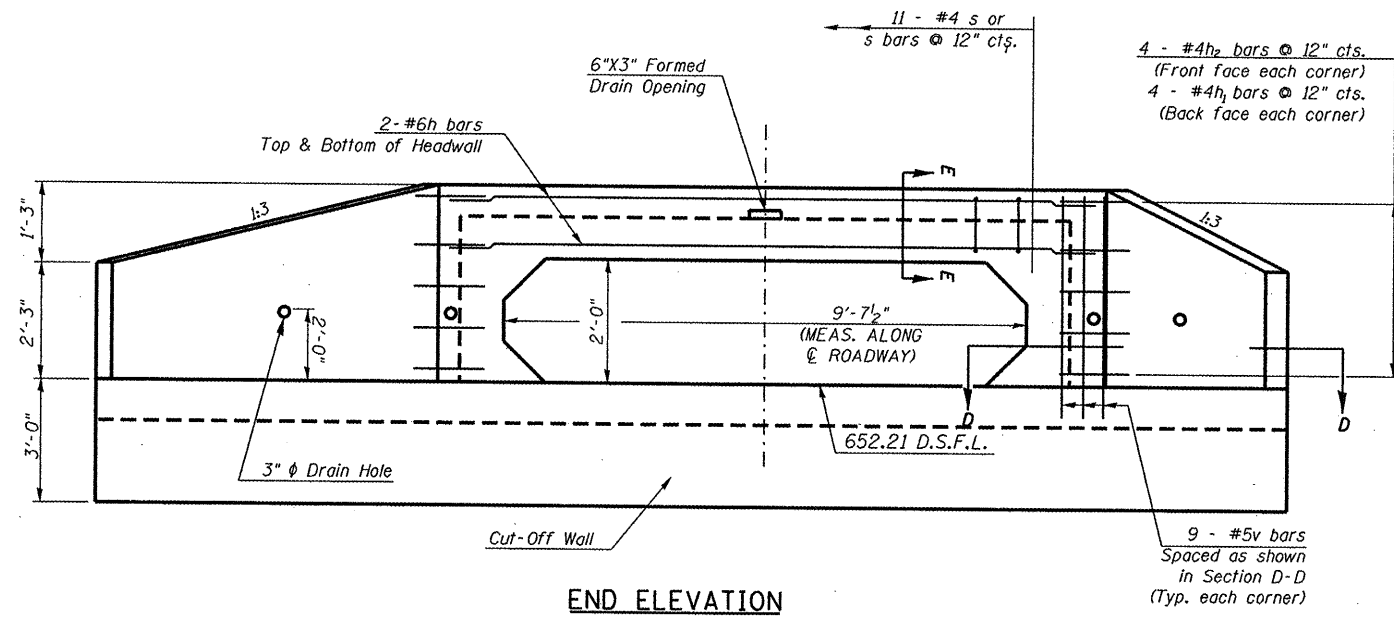
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UPSTREAM CAST-IN-PLACE END SECTION DETAIL
STATION 2+48.30, SN 021-8055

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	12ORS-3	*	55	30
CONTRACT NO. 70234			ILLINOIS FED. AID PROJECT	

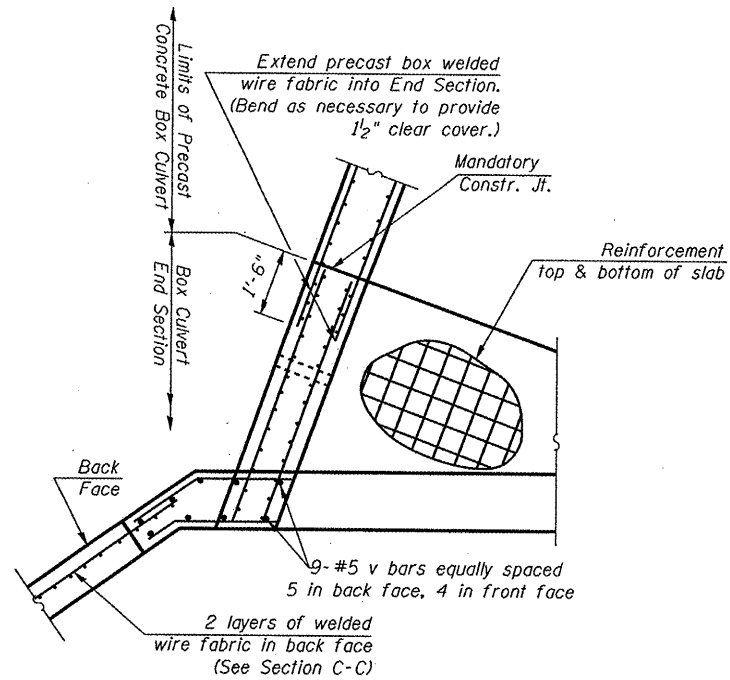
*DOUGLAS & MOULTRIE

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

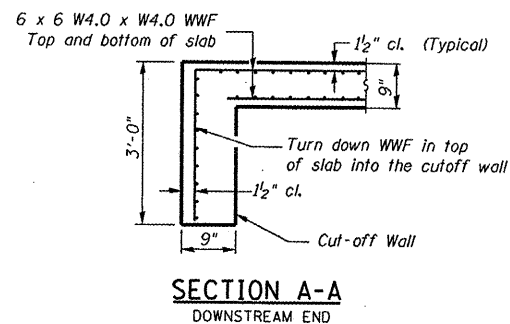


* DIMENSIONS SHALL BE INCREASED BY 3'-0" IF THE CONTRACTOR ELECTS TO USE THE PRECAST OPTION FOR THE BOX CULVERT END SECTIONS. SEE SPECIAL PROVISIONS.

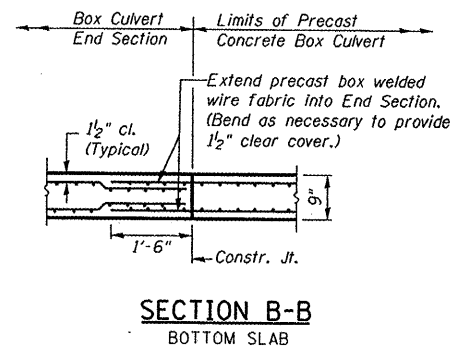
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#FILE#		DRAWN - MLB	REVISED -			749	120RS-3	*	55	31	
	PLOT SCALE : #SCALE#	CHECKED -	REVISED -			CONTRACT NO. 70234					
	PLOT DATE : #DATE#	DATE - 10/27/09	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET NO. OF SHEETS		STA.	TO STA.		



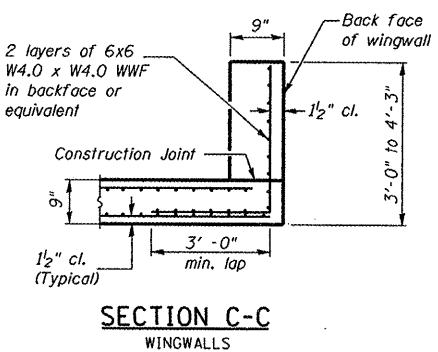
SECTION D-D
LONG WING
(Showing reinforcement)



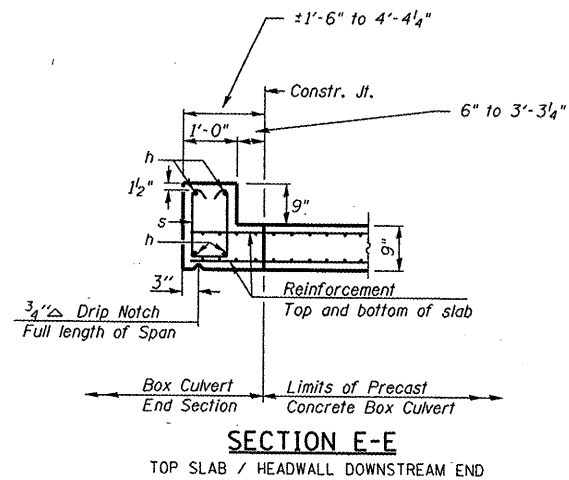
SECTION A-A
DOWNSTREAM END



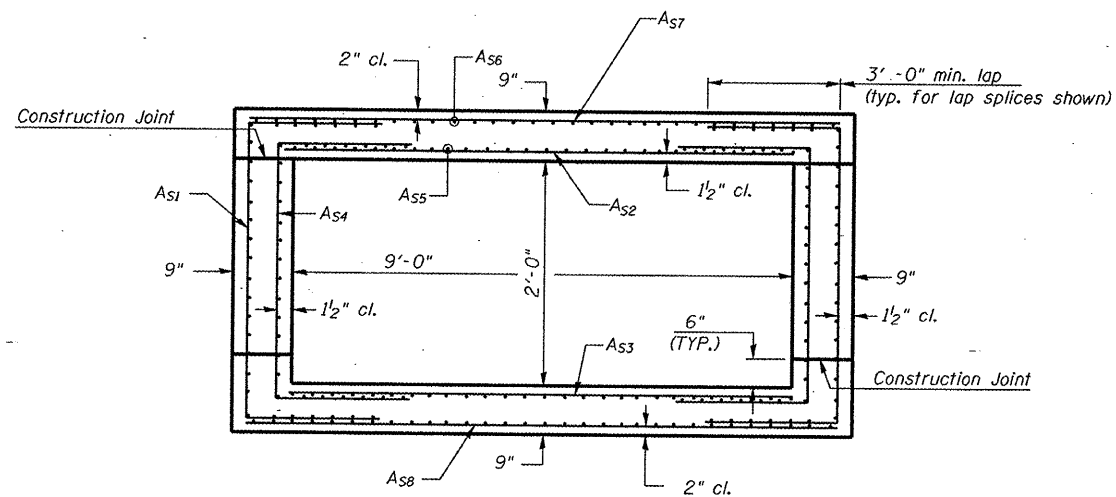
SECTION B-B
BOTTOM SLAB



SECTION C-C
WINGWALLS

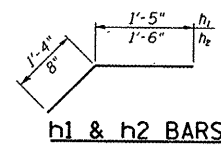
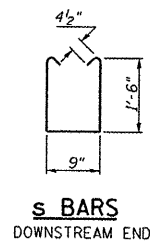


SECTION E-E
TOP SLAB / HEADWALL DOWNSTREAM END



CAST-IN-PLACE SECTION OF BOX CULVERT TO BE BUILT IN FIELD

NOTE:
Area of reinforcement for the cast-in-place section of box culvert shall be as required for the precast box sections. Spacing and laps of WWF shall be in accordance with AASHTO M 273 except as shown in Cast-In-Place Section of Box Culvert To Be Built In Field. If the Contractor elects to use reinforcement bars instead of WWF for cast-in-place section of box culvert, bars may consist of #3 thru #6 bars and the spacing shall not exceed the lesser of the wall thickness or 8".



BILL OF MATERIAL
For Information Only
(One End Section)

Bar	No.	Size	Length	Shape
h	4	#6	11'-8"	—
h ₁	8	#4	2'-9"	—
h ₂	8	#4	2'-2"	—
s ₁	11	#4	4'-6"	□
v	18	#5	4'-3"	—
Item	Unit	Total		
Class SI Concrete	Cu. Yd.	7.1		
Reinforcement Bars	Pound	210.0		
Welded Wire Fabric	Sq. Ft.	420.0		

FILE NAME =	USER NAME = \$USER\$	DESIGNED - MLB	REVISED -
\$FILE\$		DRAWN - MLB	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
	PLOT DATE = \$DATE\$	DATE - 10/27/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

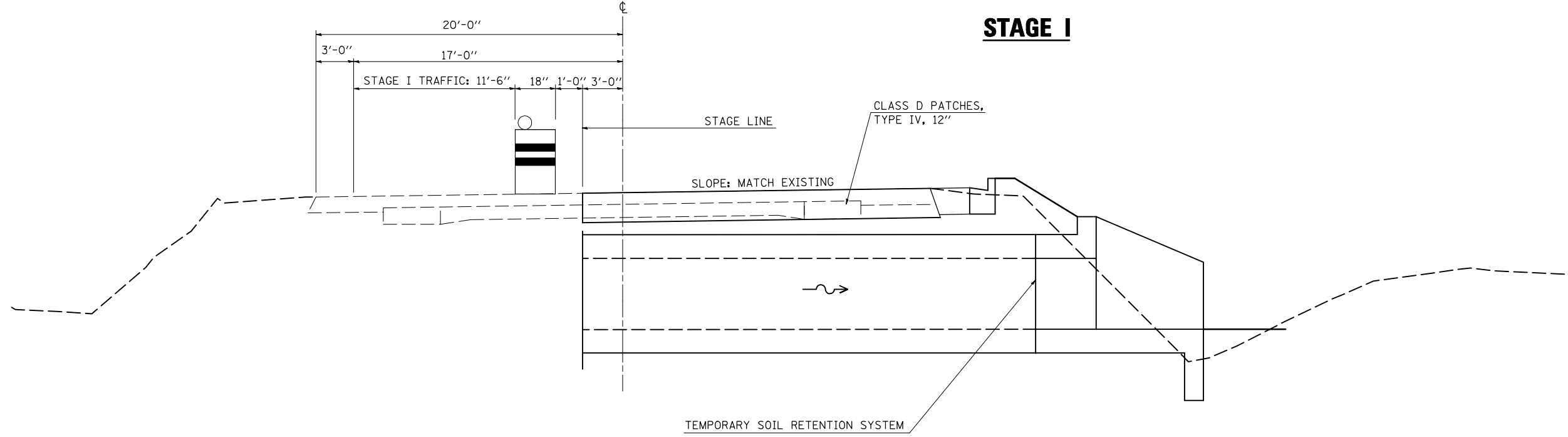
DOWNSTREAM CAST-IN-PLACE END SECTION DETAIL
STATION 2+48.30, SN 021-8055

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	12ORS-3		55	32
CONTRACT NO. 70234				

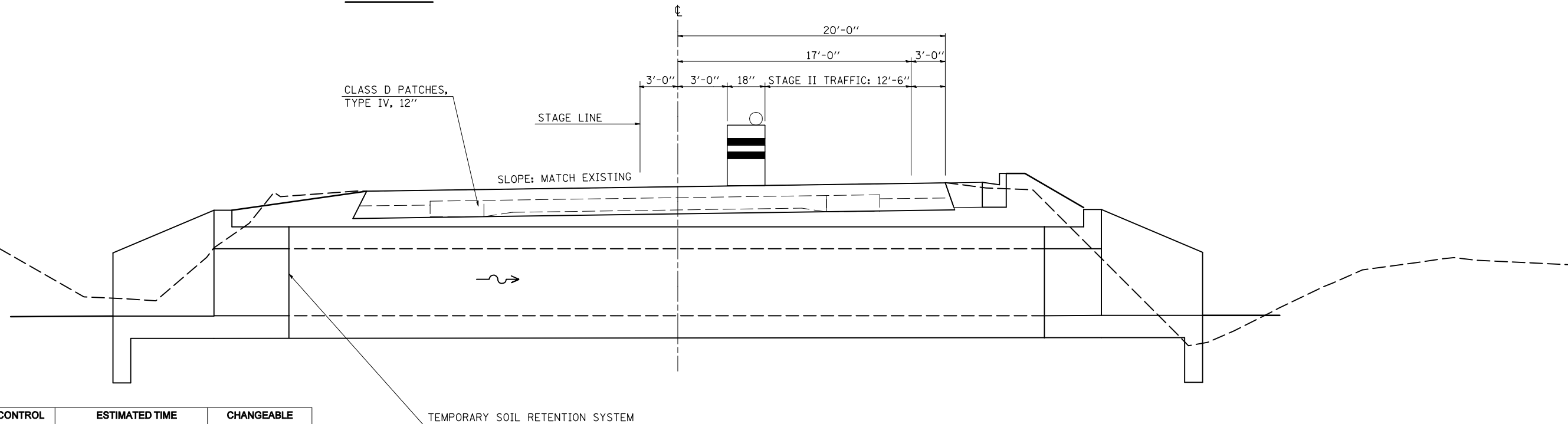
•DOUGLAS & MOULTRIE

GENERAL NOTES

- 1) REFER TO SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701206 AND STAGE CONSTRUCTION ACROSS ROAD CULVERTS FOR ADDITIONAL INFORMATION.
- 2) CONSTRUCT DOWNSTREAM END OF A.R. CULVERT FIRST.



STAGE II



A.R. CULVERT LOCATION	TRAFFIC CONTROL STANDARD	ESTIMATED TIME	CHANGEABLE MESSAGE SIGN
STA. 2+48.30	701206	84 HRS / NON-STOP (2) - 12 HR DAY SHIFTS	2.0 EACH AT 2.0 CAL DAY = 4.0 CAL DAY

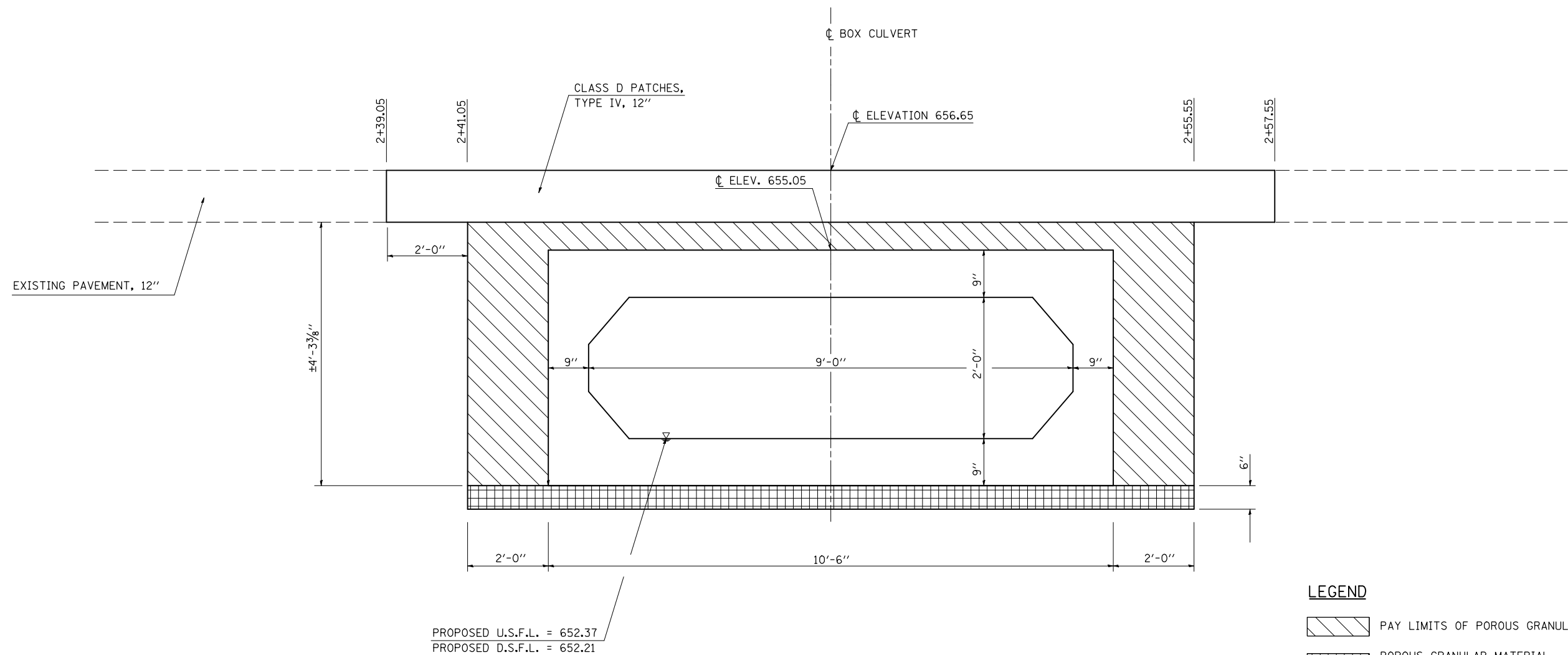
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/4/2009	DATE - 10/27/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGING DETAIL			
STATION 2+48.30, SN 021-8055			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-3	*	55	33
CONTRACT NO. 70234				
ILLINOIS FED. AID PROJECT				

•DOUGLAS & MOULTRIE



LEGEND

- PAY LIMITS OF POROUS GRANULAR EMBANKMENT - CA-6
- POROUS GRANULAR MATERIAL - CA-7 (6") INCLUDED IN PAY ITEM FOR BOX CULVERT

DRAWING NOT TO SCALE

GENERAL NOTES

- 1) SN 021-8055 SHALL BE CONSTRUCTED ON A 20 DEGREE SKEW LEFT FORWARD. THE DIMENSIONS SHOWN IN THIS DETAIL ARE PERPENDICULAR TO THE CENTERLINE OF THE BOX CULVERT. THE STATIONS ALONG THE CENTERLINE OF ROUTE 133 WILL VARY.
- 2) WORK SHOWN IN THE DETAIL SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE PORTIONS OF SECTION 207 AND SECTION 540 OF THE STANDARD SPECIFICATIONS.
- 3) POROUS GRANULAR EMBANKMENT SHALL EXTEND 2 FT. BEYOND THE HMA SHOULDER.
- 4) THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR POROUS GRANULAR EMBANKMENT.
- 5) THE AREA TO BE EXCAVATED FOR THE PROPOSED BOX CULVERT SHALL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR STRUCTURE EXCAVATION.

•DOUGLAS & MOULTRIE

FILE NAME =	USER NAME = bowerml	DESIGNED - <i>MLB</i>	REVISED -
ct:\pw\work\PWIDOT\BOWERML\dms85036\70234\deta1s.dgn		DRAWN - <i>MLB</i>	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/4/2009	DATE - 10/27/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**POROUS GRANULAR EMBANKMENT PAY LIMITS
STATION 2+48.30, SN 021-8055**

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

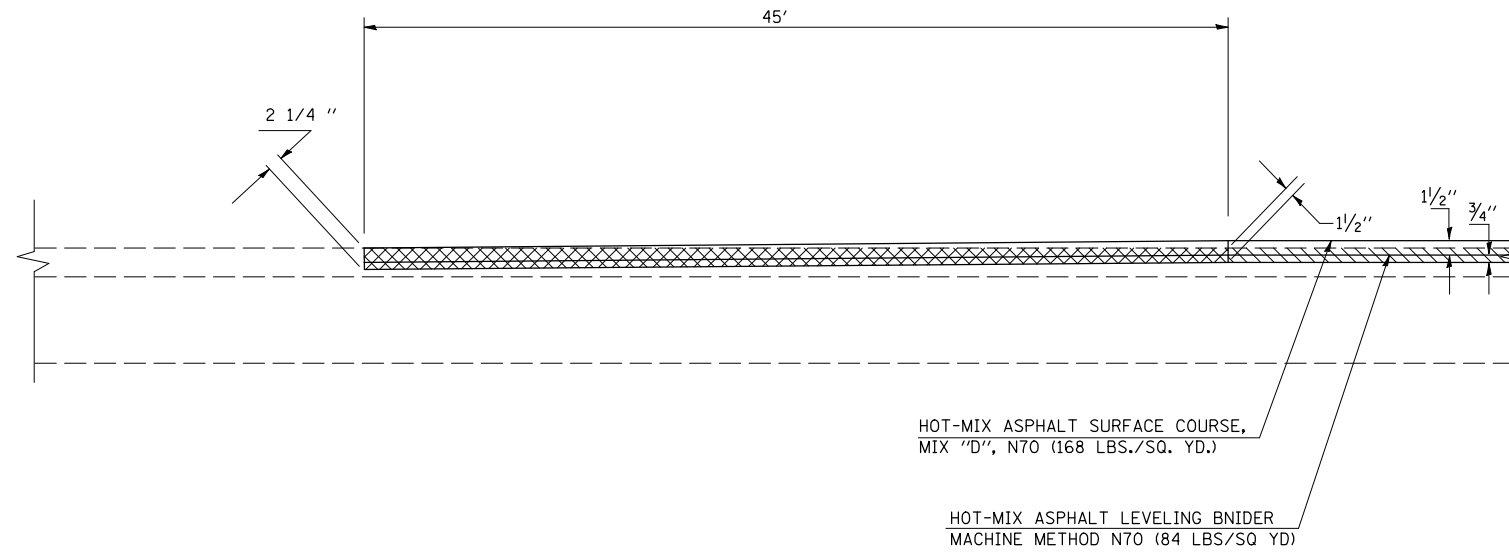
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-3	*	55	34
			CONTRACT NO. 70234	
ILLINOIS FED. AID PROJECT				

DETAIL FOR MILLING TRANSITION FOR MAINLINE AT BEGINNING & END OF PROJECT

STATION 0+14.00 TO 0+59.00
STATION 61+00.00 TO 61+45.00

- HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"
- MILLING TRANSITION AREA

NOTE:
AREA OF MILLING TRANSITION SHALL BE INCLUDED IN CONTRACT UNIT PRICE FOR THE HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2". NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

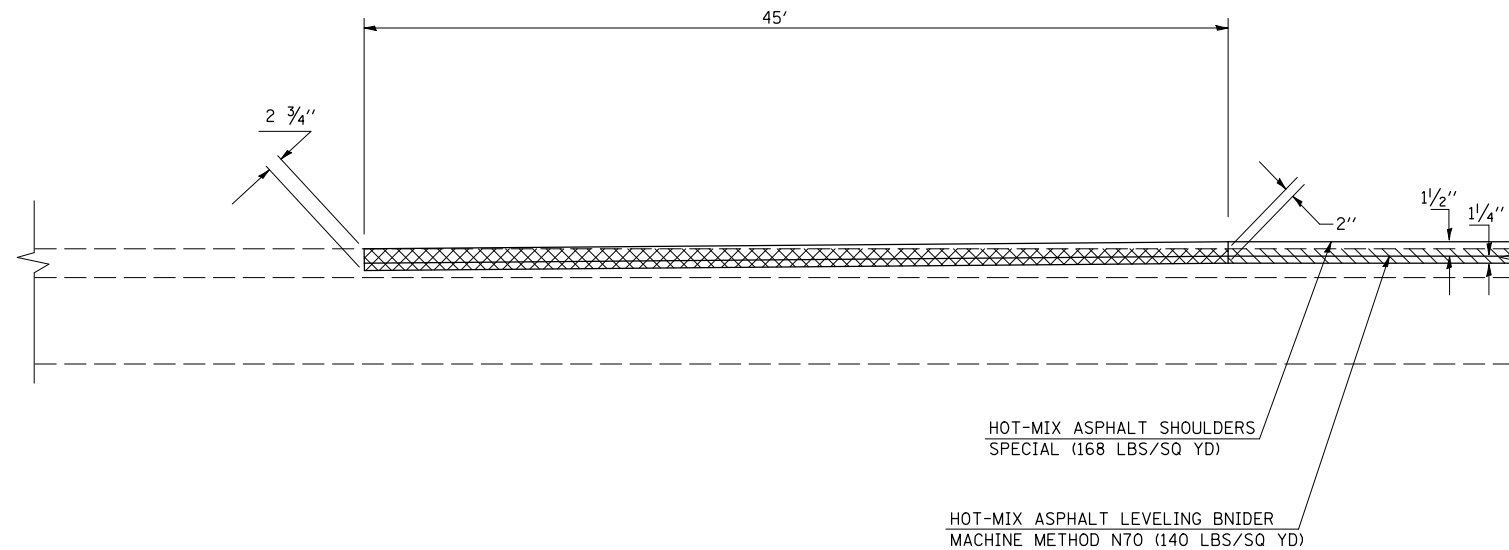


DETAIL FOR MILLING TRANSITION FOR SHOULDERS AT BEGINNING & END OF PROJECT

STATION 0+14.00 TO 0+59.00
STATION 61+00.00 TO 61+45.00

- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- MILLING TRANSITION AREA

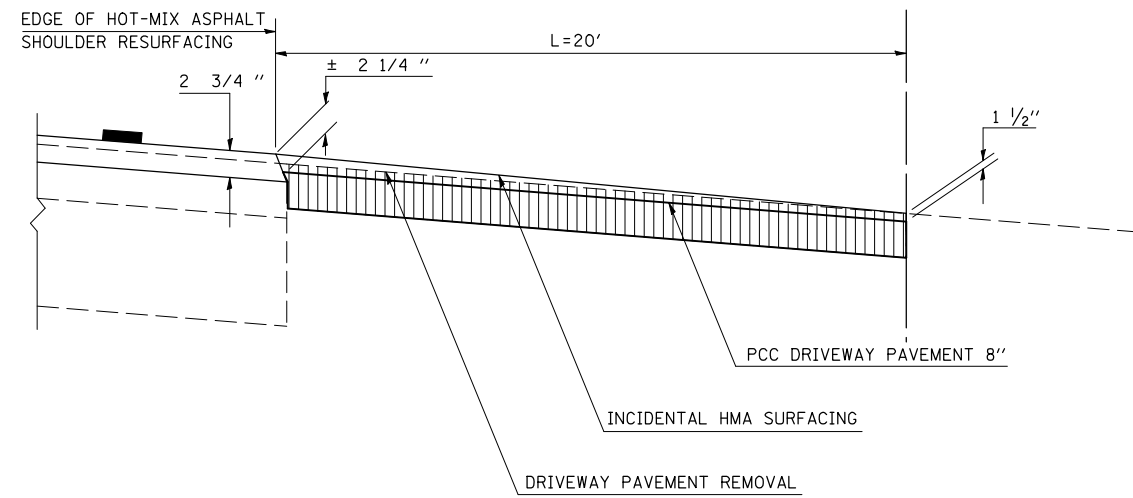
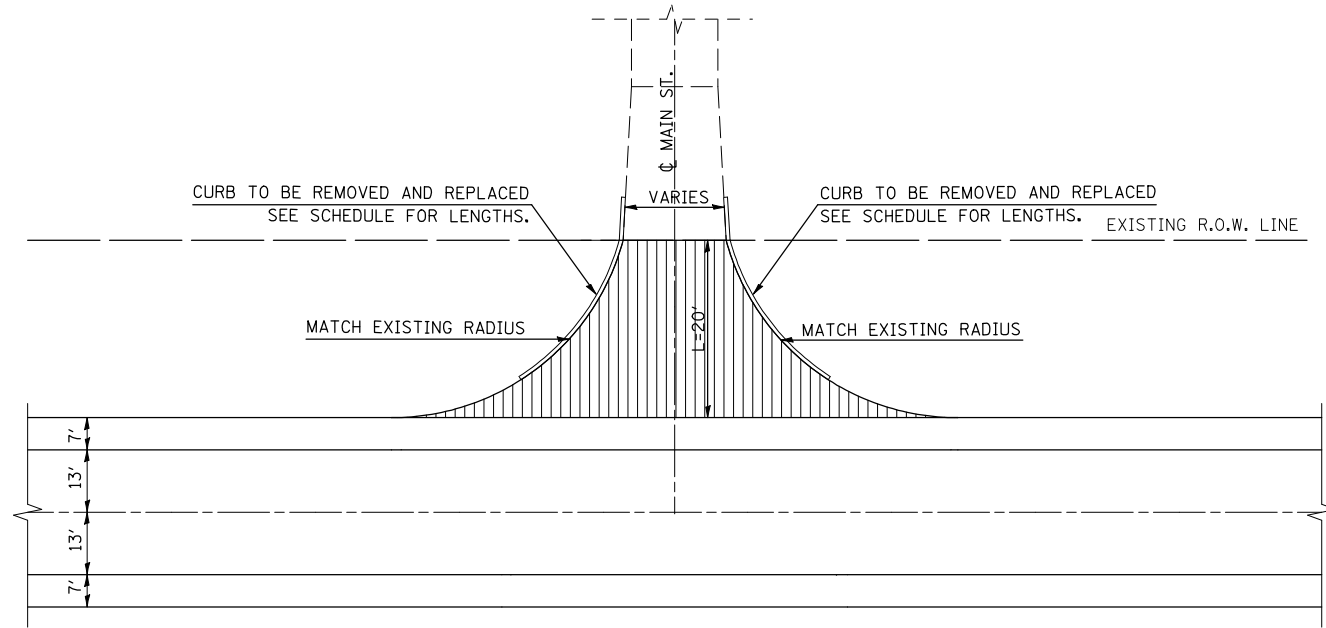
NOTE:
AREA OF MILLING TRANSITION SHALL BE INCLUDED IN CONTRACT UNIT PRICE FOR THE HOT-MIX ASPHALT SURFACE REMOVAL, 2". NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.



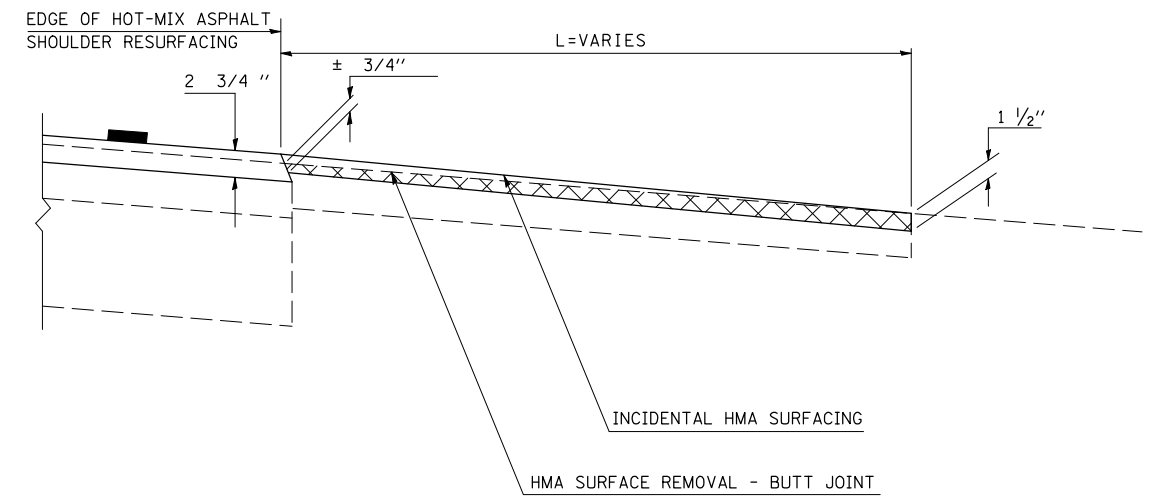
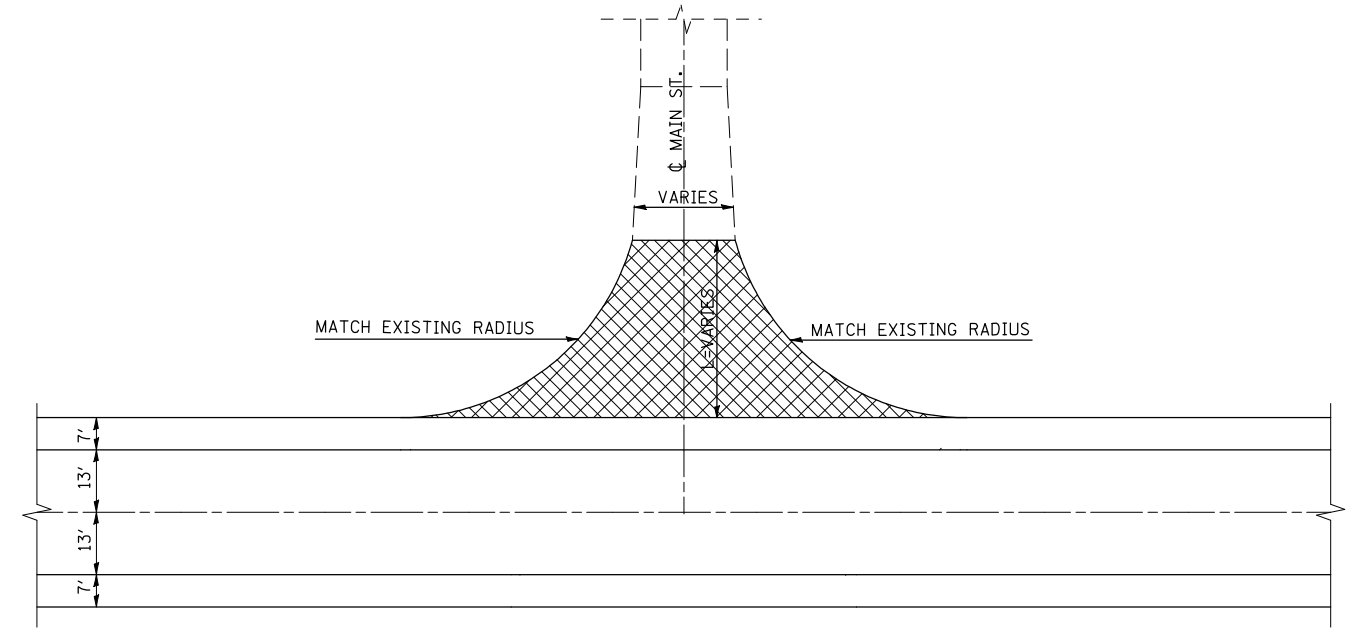
•DOUGLAS & MOULTRIE

FILE NAME =	USER NAME = bowerml	DESIGNED - <i>MLB</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL FOR MILLING TRANSITION AT BEGINNING & END OF PROJECT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 40.0000 ' / IN.	DATE - 10/27/09	REVISED -	REVISED -			CONTRACT NO. 70234					
PLOT DATE = 12/4/2009	DATE - 10/27/09	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: N/A	SHEET NO.	OF SHEETS	STA.	TO STA.		

**TYPICAL DETAIL OF COMMERCIAL ENTRANCES
WITH REMOVAL OF DRIVEWAY**



**TYPICAL DETAIL OF COMMERCIAL & PRIVATE
ENTRANCES AND SIDEROADS**



•DOUGLAS & MOULTRIE

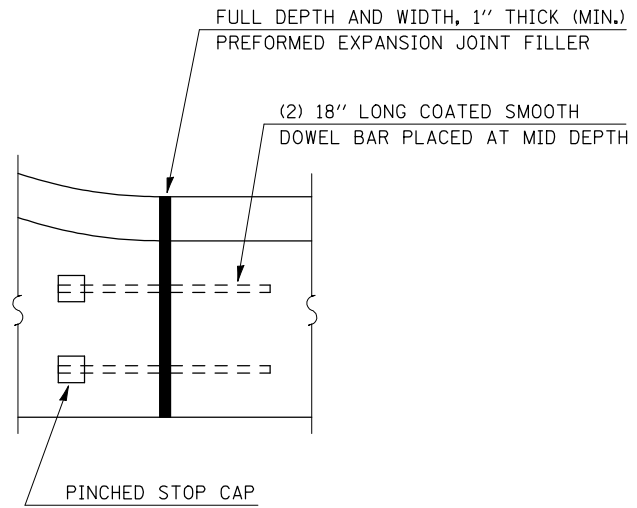
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	PLOT DATE = 12/4/2009	DATE - 10/27/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

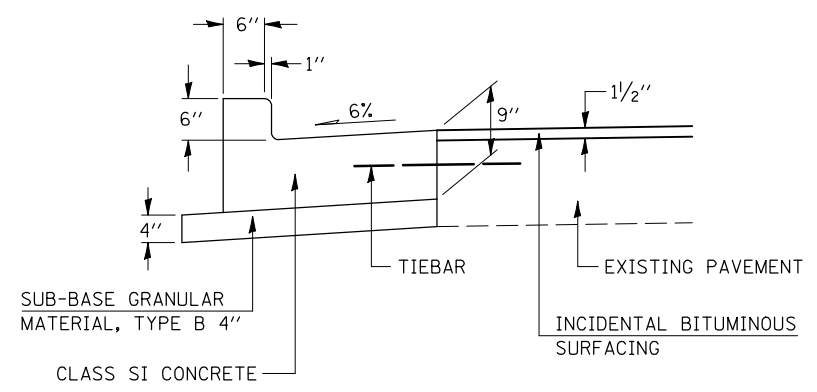
DETAIL OF ENTRANCES & SIDEROADS

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

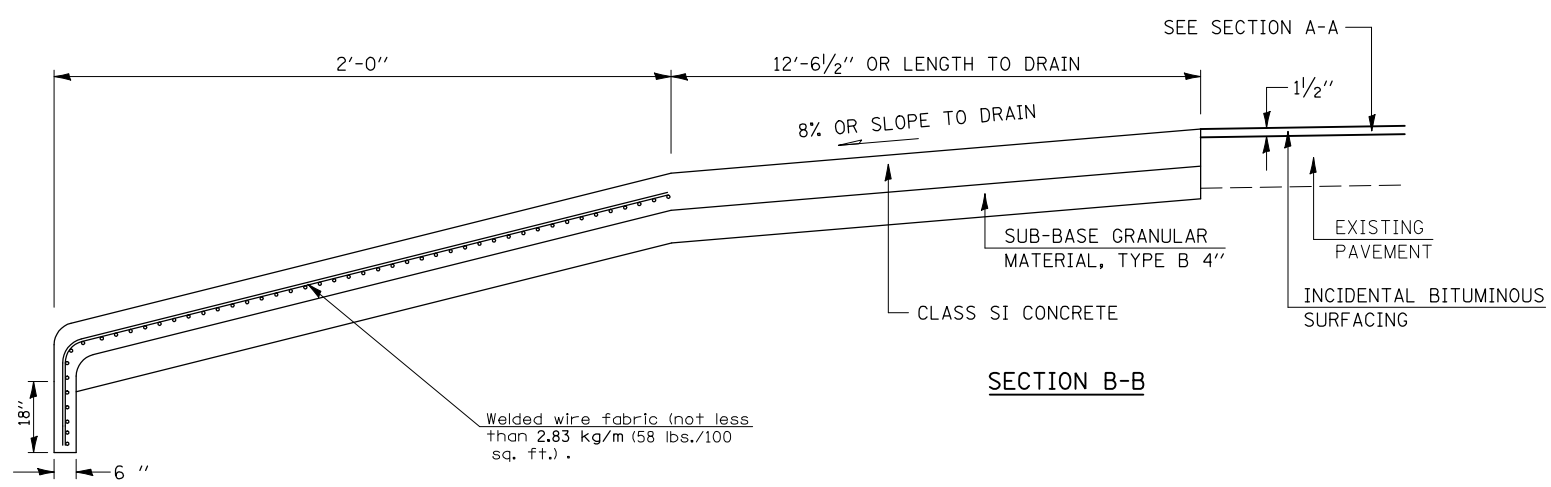
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70234			ILLINOIS FED. AID PROJECT	



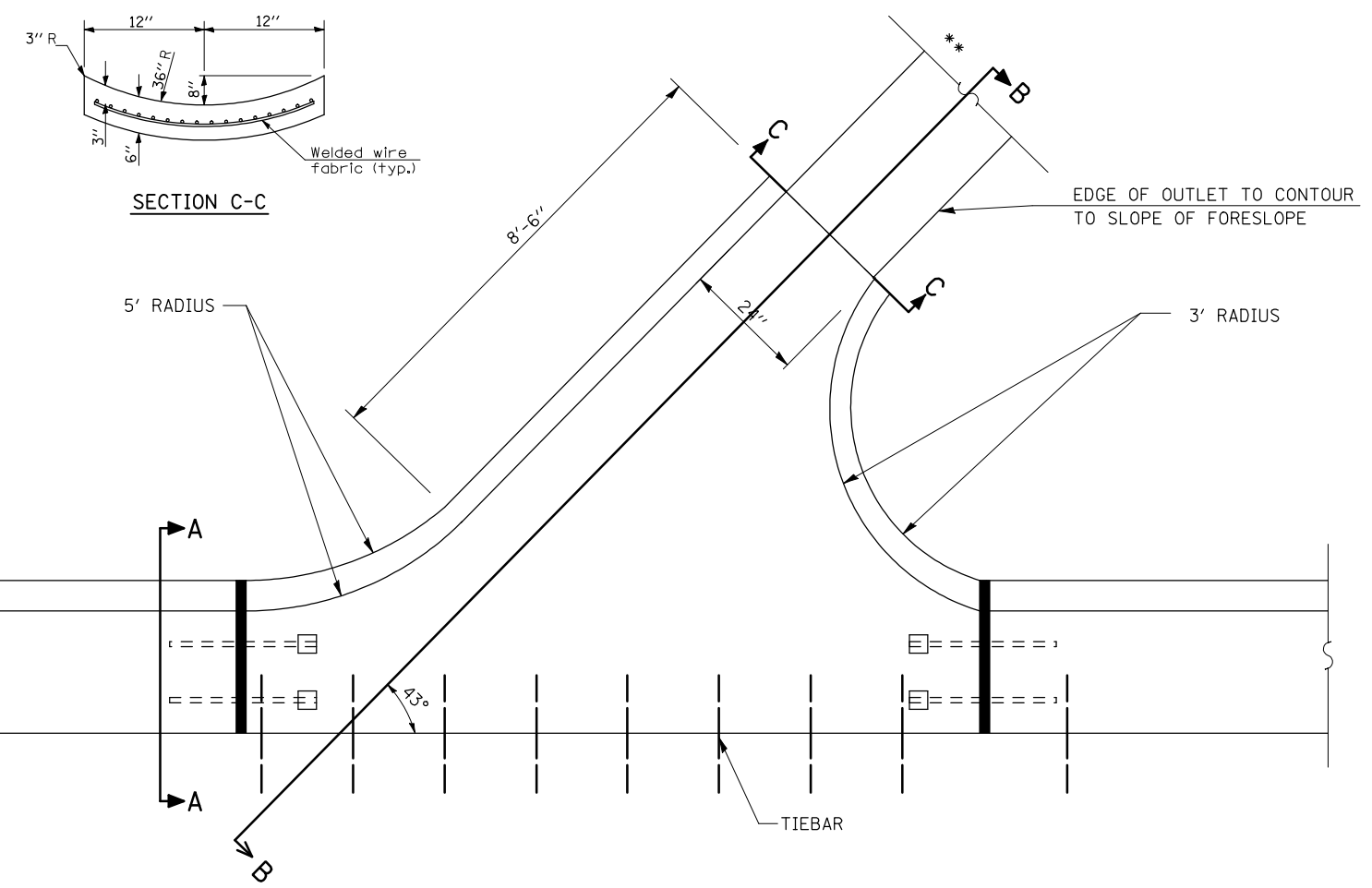
DETAIL OF EXPANSION JOINT



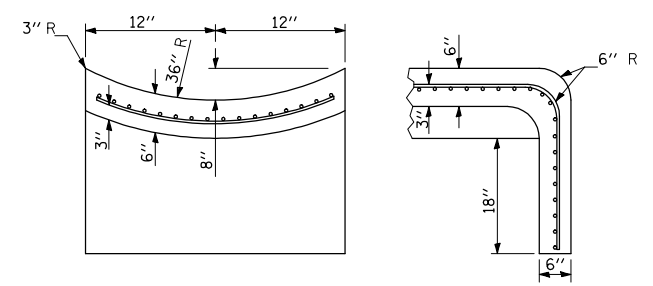
SECTION A-A



SECTION B-B



SECTION C-C



**** SECTIONS AT END OF OUTLET**

GENERAL NOTES

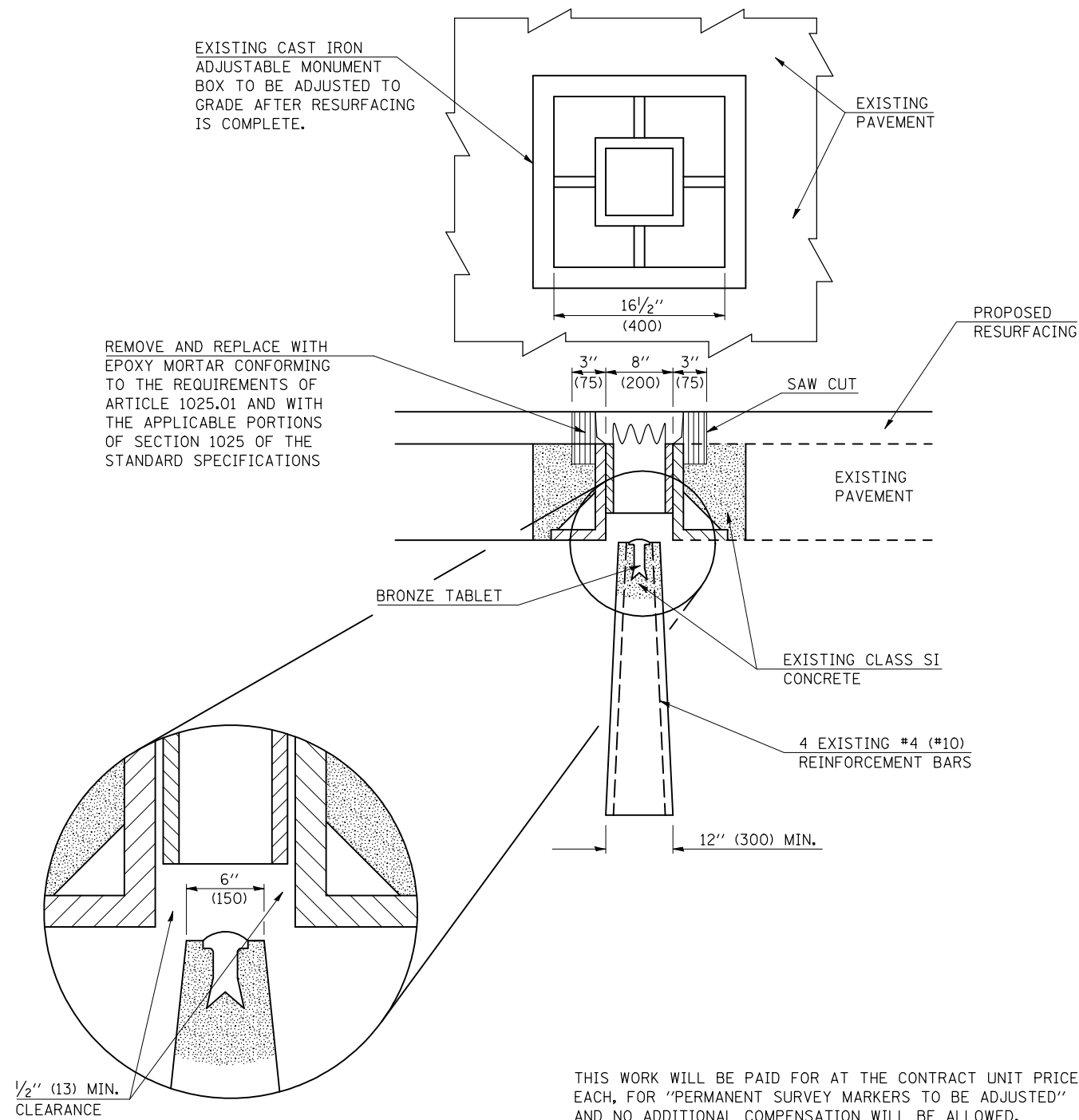
1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT. A TOTAL OF 1.45 CU YD OF CLASS SI CONCRETE.
2. TIE BARS SHALL BE NO. 6 AT 24" CENTERS UNLESS OTHERWISE SHOWN.
3. **OUTLET (SPECIAL)** SHALL BE TIED TO PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINTS SHOWN ON STANDARD 420001.
4. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR **OUTLET (SPECIAL)** WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

FILE NAME =	USER NAME = bowerml	DESIGNED - <i>MLB</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF OUTLET (SPECIAL) AT STATION 2+24.31, 29.46' RT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PWIDOT\BOWERML\dms85036\70234\detai1s.dgn		DRAWN - <i>MLB</i>	REVISED -					749	12ORS-3	*	55	37
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 70234							
PLOT DATE = 12/4/2009		DATE - 10/27/09	REVISED -		ILLINOIS FED. AID PROJECT							

•DOUGLAS & MOULTRIE

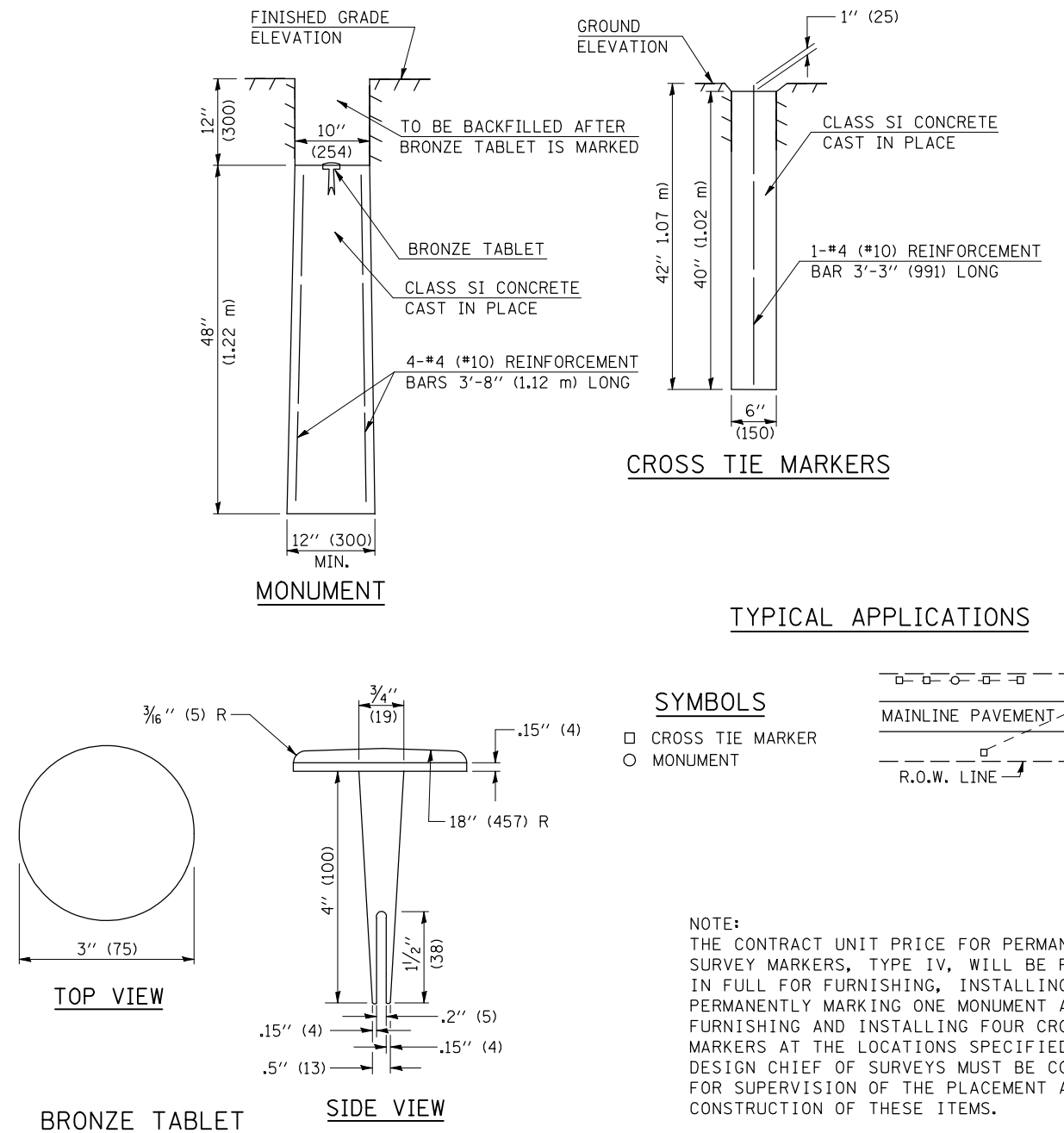
66700110 – PERMANENT SURVEY MARKERS TO BE ADJUSTED

TO BE INSTALLED FOR PRESERVING EXISTING CAST IRON PERMANENT SURVEY MARKERS, TYPE III



66700505 – PERMANENT SURVEY MARKERS, TYPE IV

TO BE INSTALLED IN PAVEMENT OR TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS) UNDER DIRECTION OF THE CHIEF OF SURVEYS



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

•DOUGLAS & MOULTRIE

DISTRICT 5 DETAIL NO. 66700AAA

FILE NAME =	USER NAME = bowerml	DESIGNED -	REVISED - 11/06
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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PERMANENT SURVEY MARKERS (TYPE IV AND ADJUSTED)

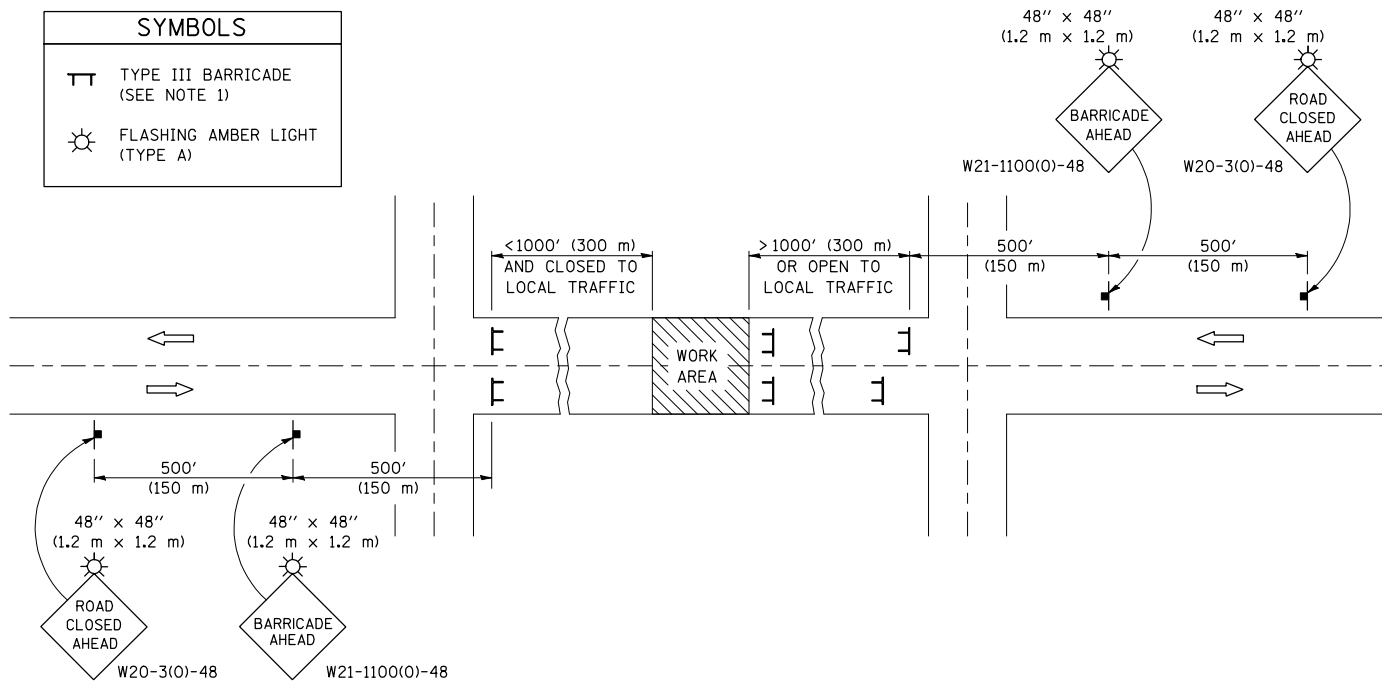
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-3	*	55	39
CONTRACT NO. 70234				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

ROAD CLOSURE

SIDEROAD / STREET CLOSURE

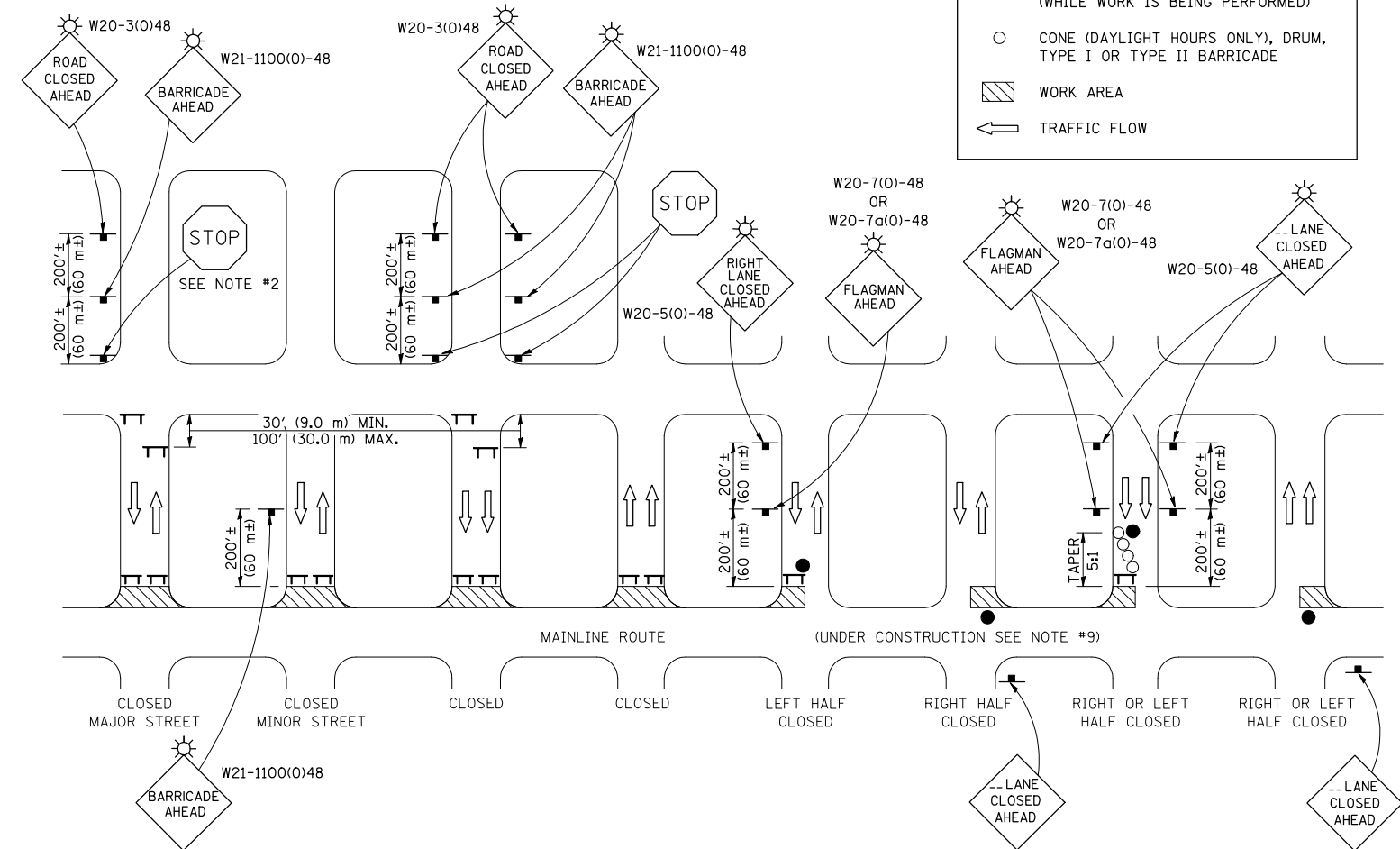
SYMBOLS	
	TYPE III BARRICADE (SEE NOTE 1)
	FLASHING AMBER LIGHT (TYPE A)



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.

SYMBOLS	
	TYPE III BARRICADE (SEE NOTE)
	FLASHING LIGHT
	FLAGGER WITH TRAFFIC CONTROL SIGN (WHILE WORK IS BEING PERFORMED)
	CONES (DAYLIGHT HOURS ONLY), DRUM, TYPE I OR TYPE II BARRICADE
	WORK AREA
	TRAFFIC FLOW



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.

•DOUGLAS & MOULTRIE

DISTRICT 5 DETAIL NO. 7020000

FILE NAME =	USER NAME = bowerml	DESIGNED -	REVISED - 11/06
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	PLOT DATE = 12/4/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

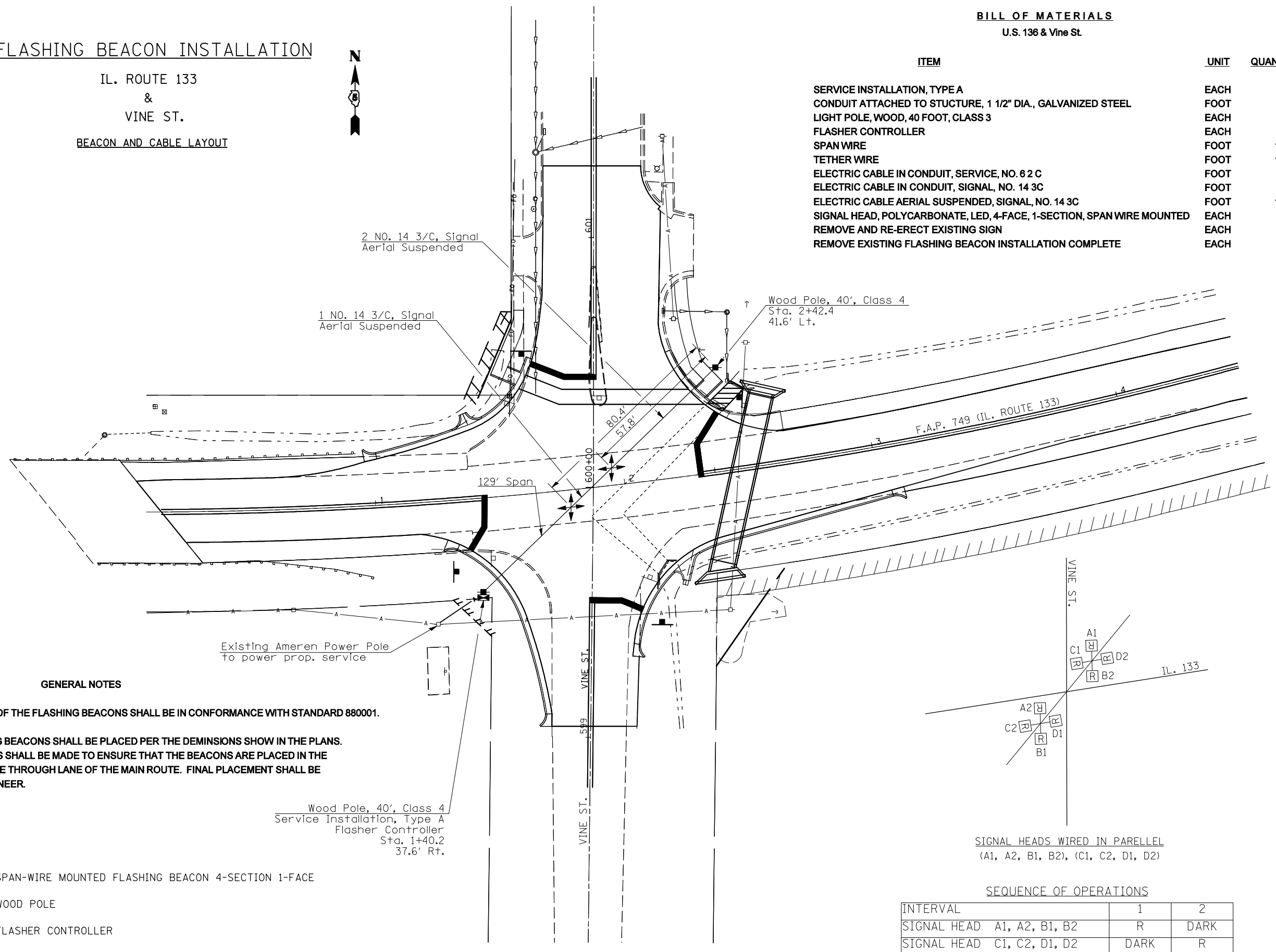
TRAFFIC CONTROL & PROTECTION DEVICES
(ROAD & SIDEROAD/STREET CLOSURES)

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-3	*	55	40
CONTRACT NO. 70234				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FLASHING BEACON INSTALLATION

IL. ROUTE 133
&
VINE ST.
BEACON AND CABLE LAYOUT



BILL OF MATERIALS U.S. 136 & Vine St.

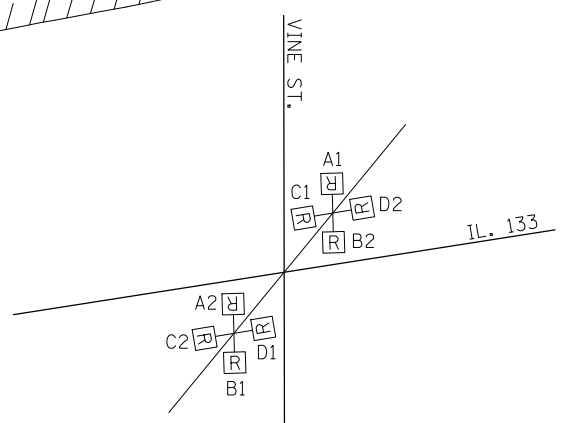
ITEM	UNIT	QUANTITY
SERVICE INSTALLATION, TYPE A	EACH	1
CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	20
LIGHT POLE, WOOD, 40 FOOT, CLASS 3	EACH	2
FLASHER CONTROLLER	EACH	1
SPAN WIRE	FOOT	129
TETHER WIRE	FOOT	129
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	25
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	50
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 3C	FOOT	125
SIGNAL HEAD, POLYCARBONATE, LED, 4-FACE, 1-SECTION, SPAN WIRE MOUNTED	EACH	2
REMOVE AND RE-ERECT EXISTING SIGN	EACH	4
REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	1

GENERAL NOTES

1. INSTALLTION OF THE FLASHING BEACONS SHALL BE IN CONFORMANCE WITH STANDARD 880001.
2. THE FLASHING BEACONS SHALL BE PLACED PER THE DEMINSIONS SHOW IN THE PLANS. ADJUSTMENTS SHALL BE MADE TO ENSURE THAT THE BEACONS ARE PLACED IN THE MIDDLE OF THE THROUGH LANE OF THE MAIN ROUTE. FINAL PLACEMENT SHALL BE PER THE ENGINEER.

LEGEND

- PROPOSED SPAN-WIRE MOUNTED FLASHING BEACON 4-SECTION 1-FACE
- PROPOSED WOOD POLE
- PROPOSED FLASHER CONTROLLER
- EXISTING WOOD UTILITY POLE

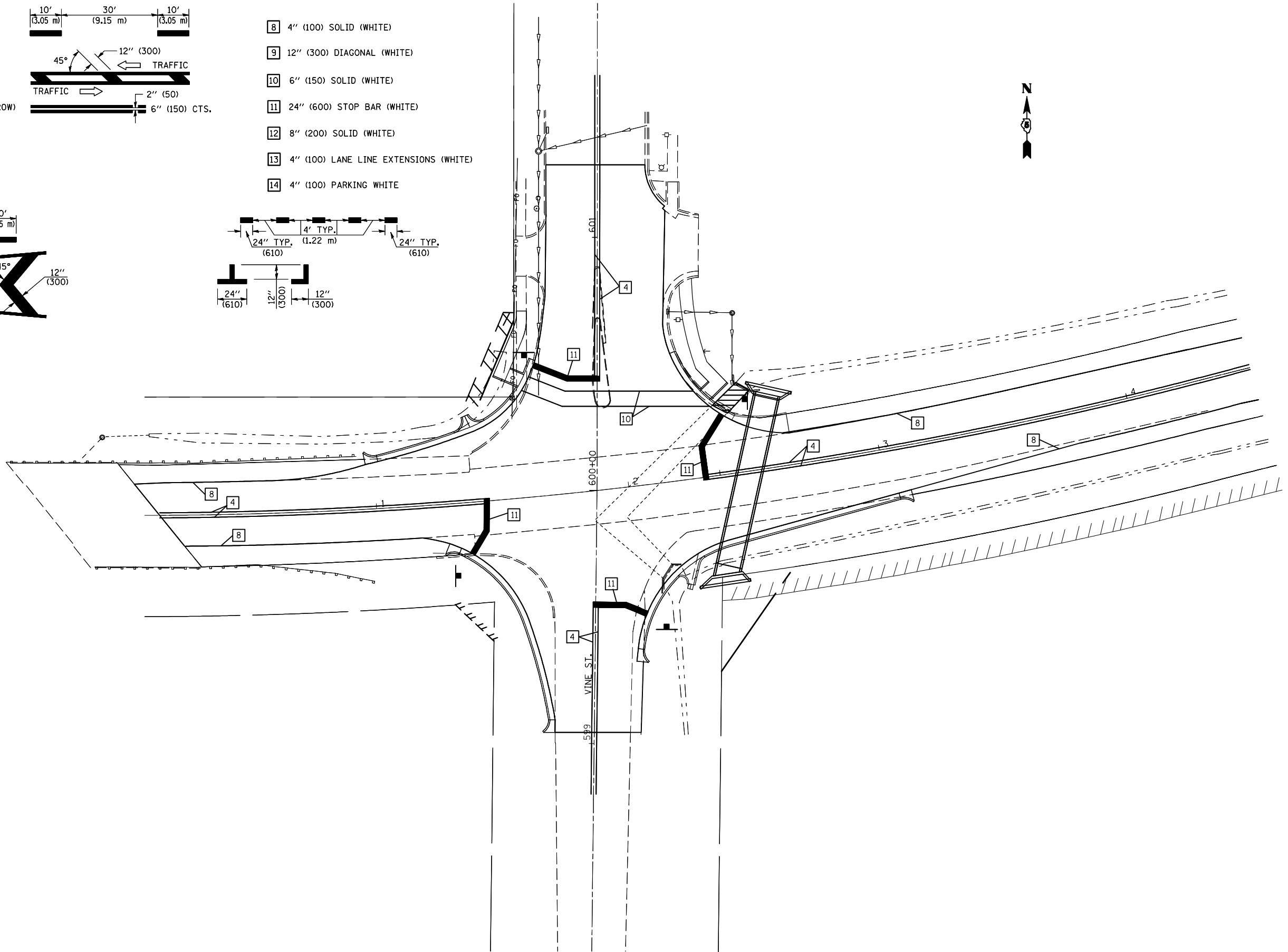
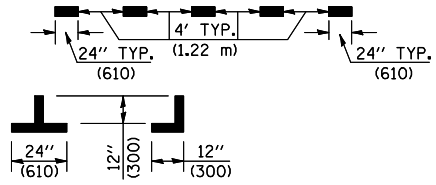
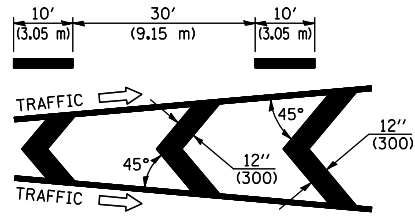


SEQUENCE OF OPERATIONS

INTERVAL	1	2
SIGNAL HEAD A1, A2, B1, B2	R	DARK
SIGNAL HEAD C1, C2, D1, D2	DARK	R

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



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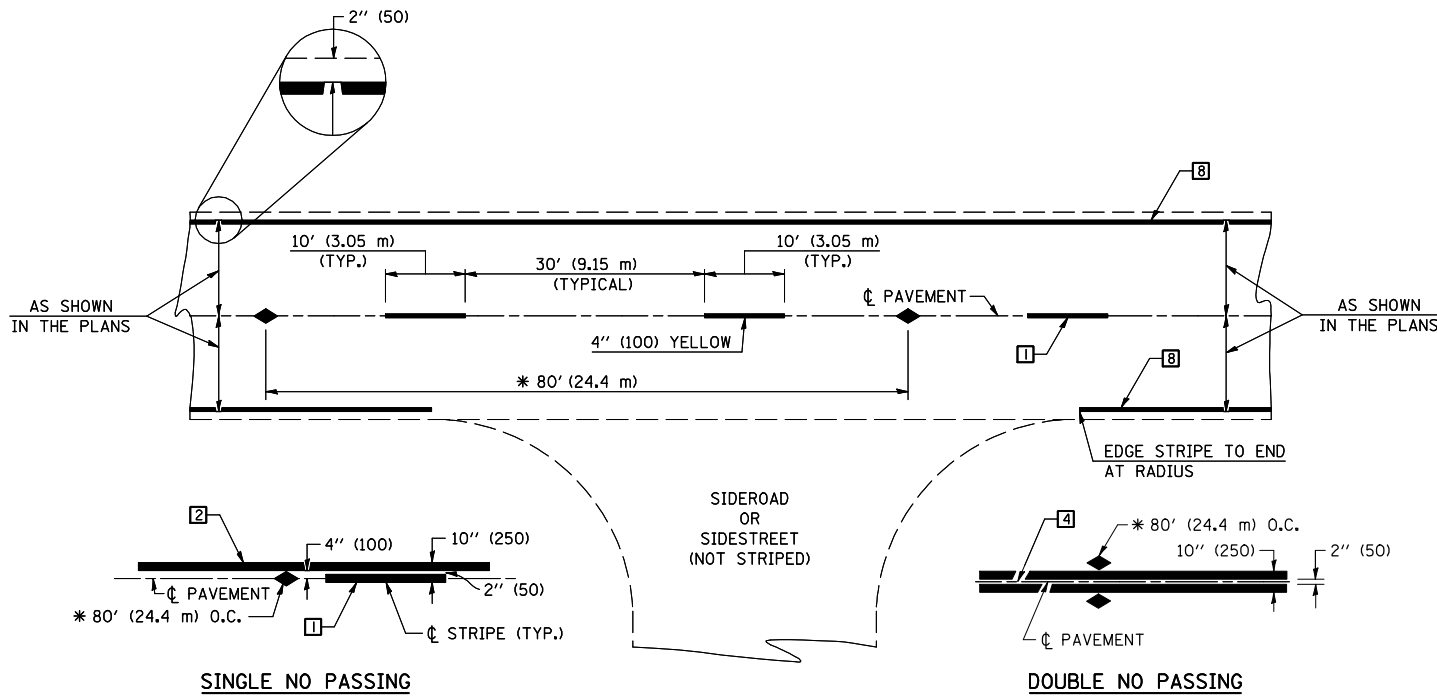
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAIL FOR
VINE STREET INTERSECTION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-3	*	55	42
CONTRACT NO. 70234				
ILLINOIS FED. AID PROJECT				

•DOUGLAS & MOULTRIE



* 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

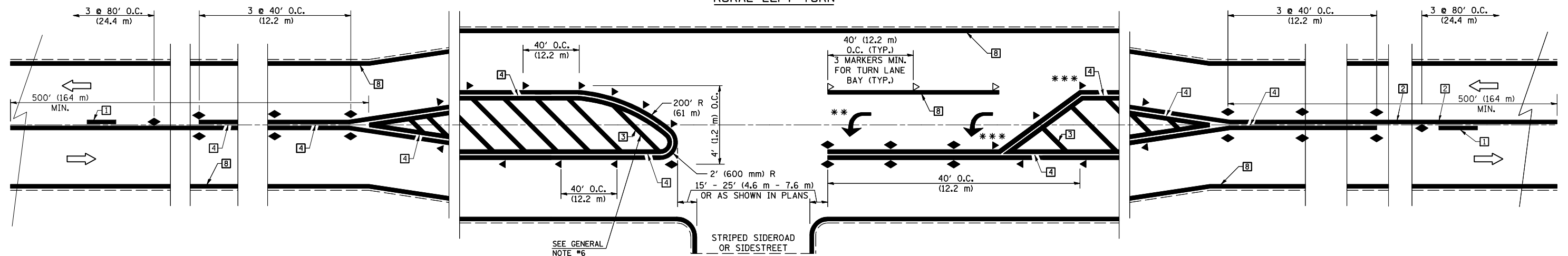
TYPICAL PAVEMENT MARKING LEGEND

- 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.

*DOUGLAS & MOULTRIE

DISTRICT 5 DETAIL NO. 7800AAA

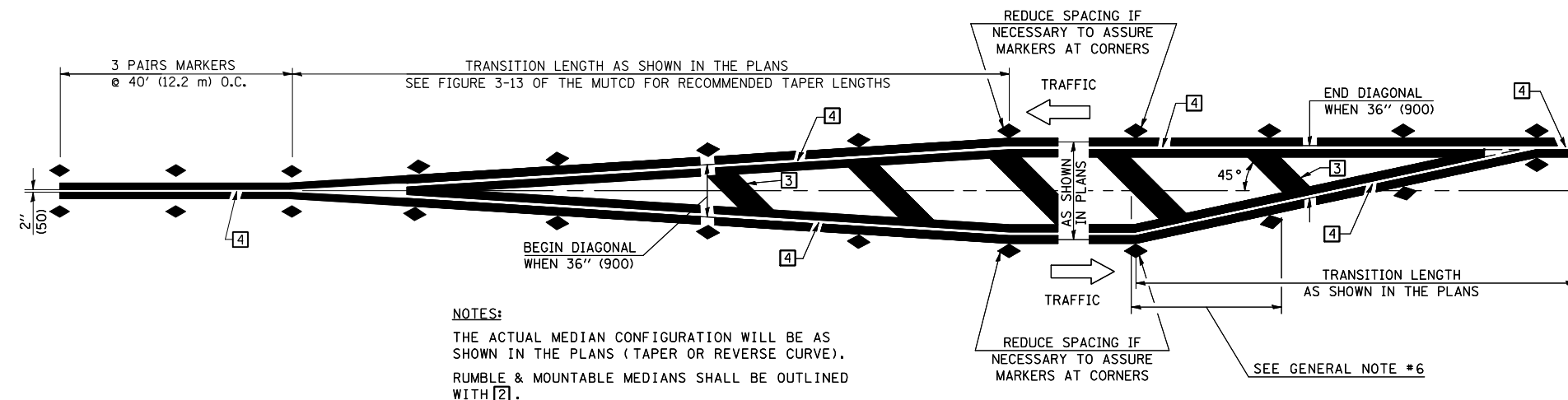
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	PLOT DATE = 12/4/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: N/A SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-3	*	55	43
CONTRACT NO. 70234				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

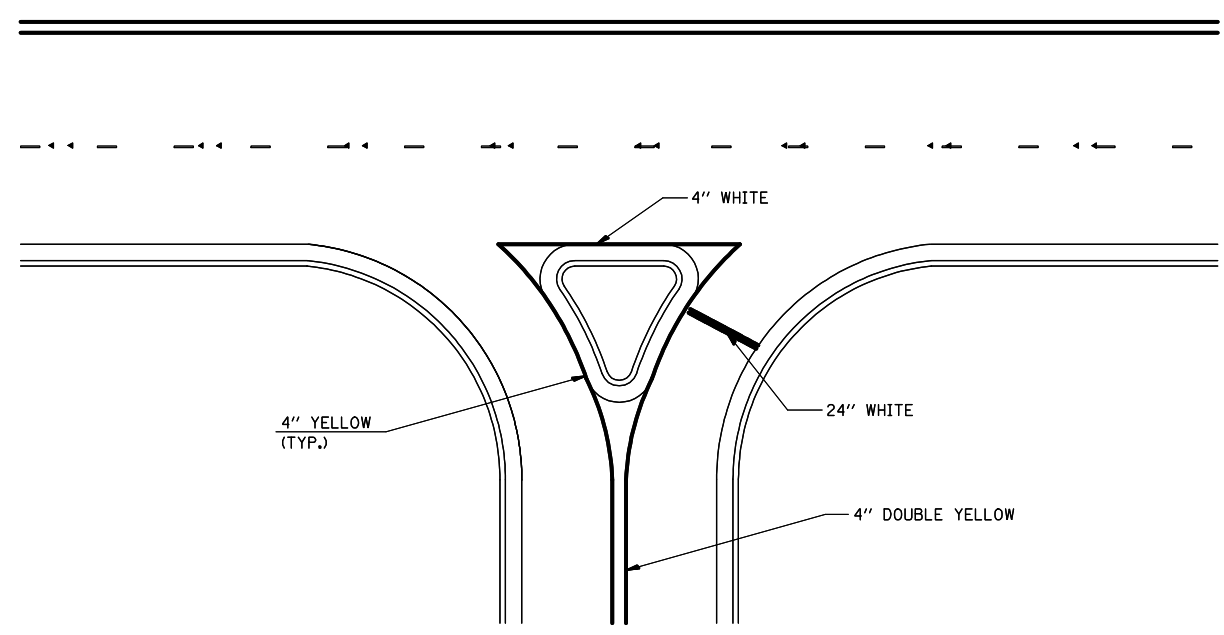


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

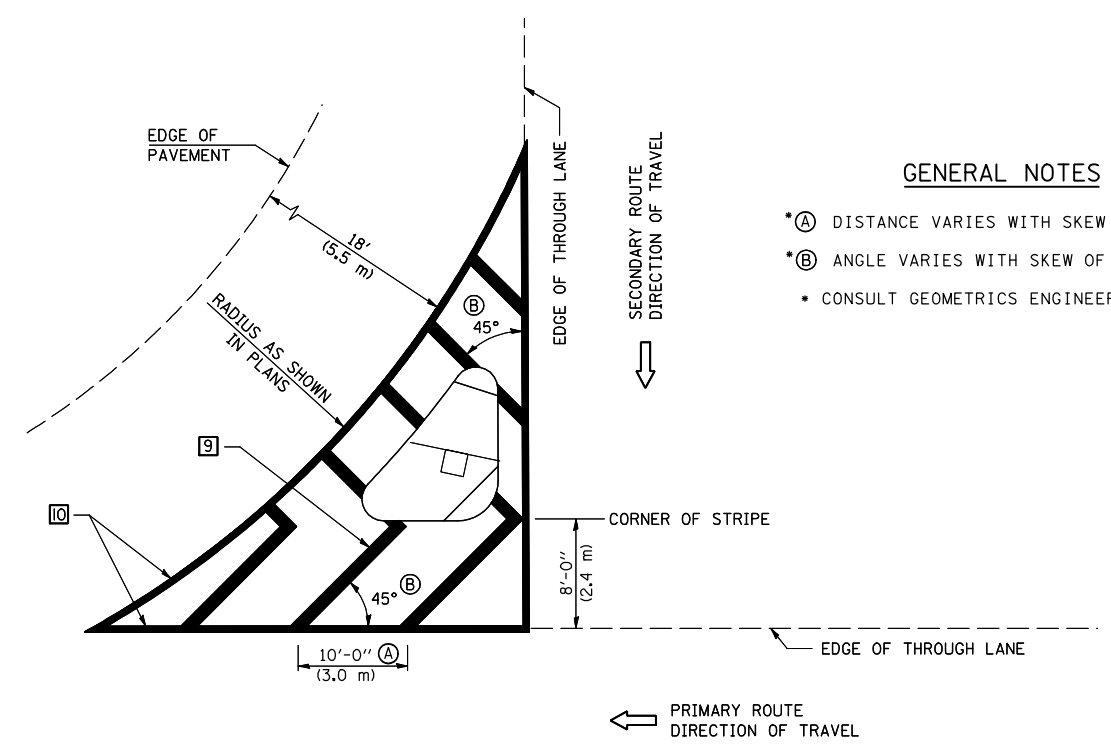
TYPICAL MEDIAN TRANSITIONS

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.

*DOUGLAS & MOULTRIE

DISTRICT 5 DETAIL NO. 7800AAA

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

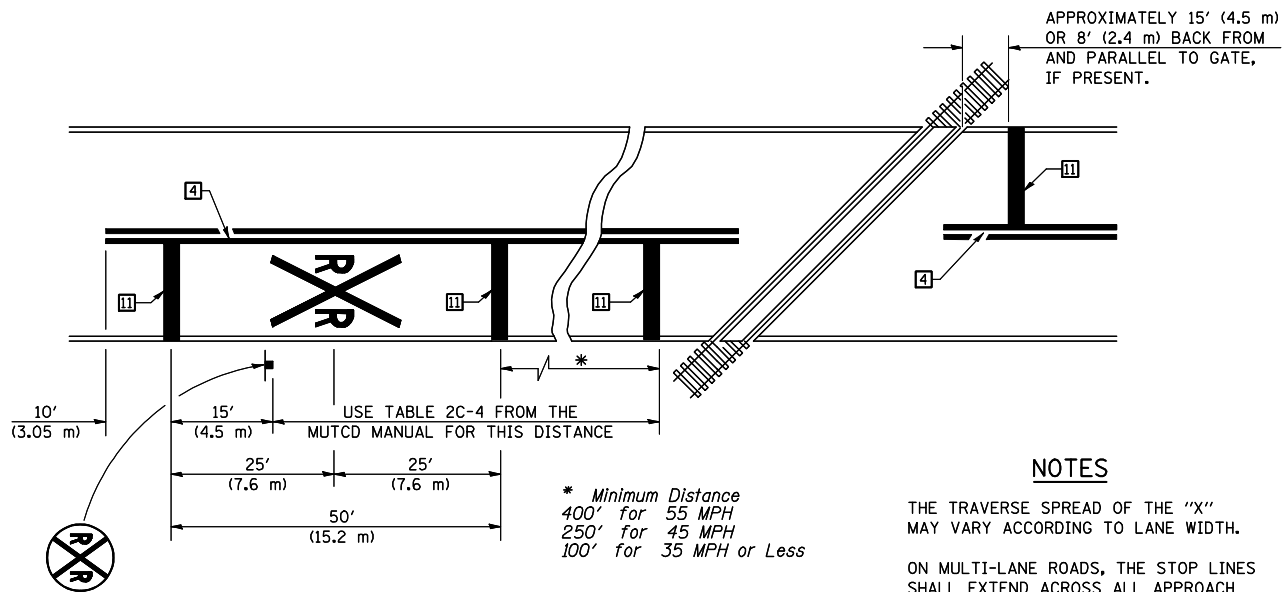
**PAVEMENT MARKING AND MARKERS
 (RURAL & URBAN APPLICATIONS)**

SCALE: N/A SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-3	*	55	45
CONTRACT NO. 70234				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

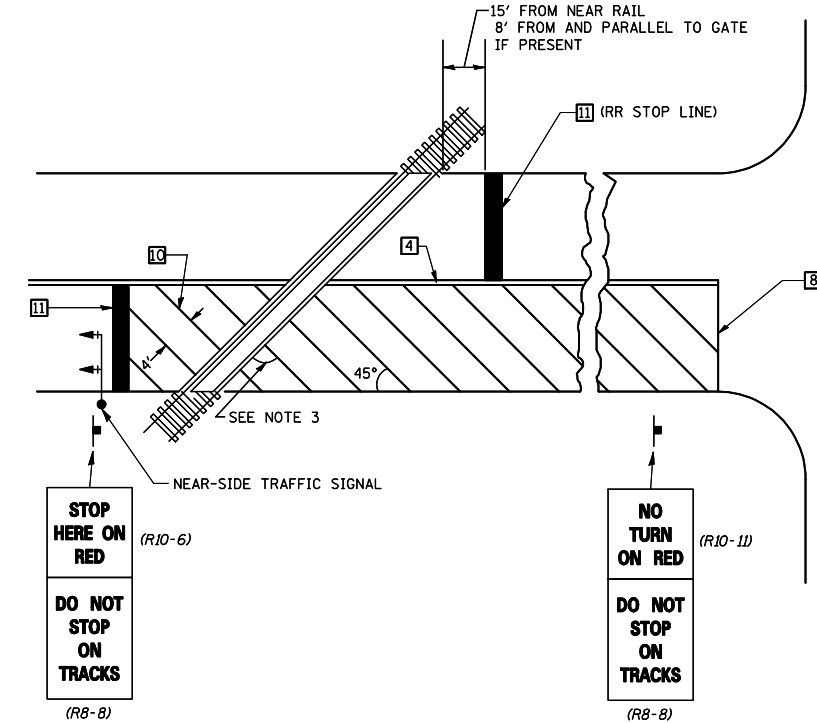
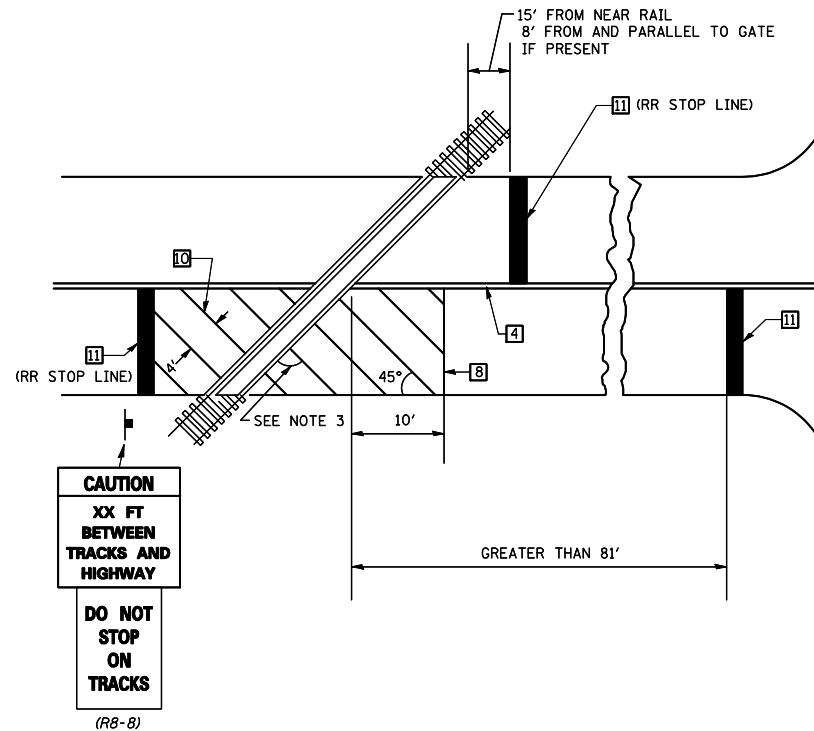
APPROXIMATELY 15' (4.5 m) OR 8' (2.4 m) BACK FROM AND PARALLEL TO GATE, IF PRESENT.

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.

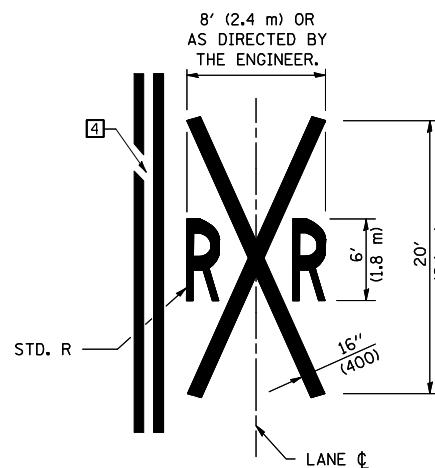
* Minimum Distance
400' for 55 MPH
250' for 45 MPH
100' for 35 MPH or Less



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.



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

*DOUGLAS & MOULTRIE

DISTRICT 5 DETAIL NO. 7800AAAA

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	PLOT DATE = 12/4/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

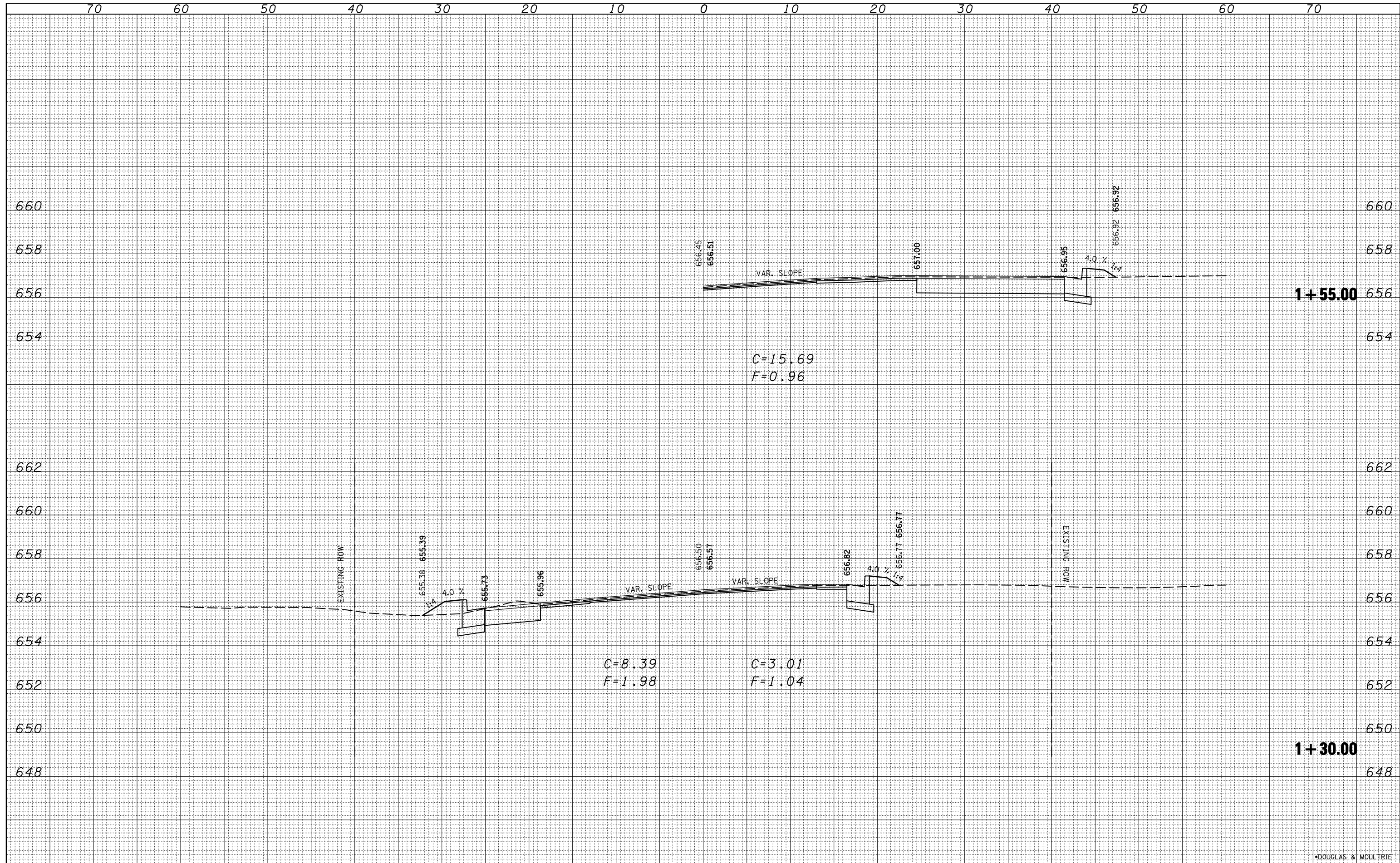
PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)

SCALE: N/A SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-3	*	55	46
CONTRACT NO. 70234				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
BY	
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FINAL SURVEY	
NOTE BOOK	
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DATE	
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AREAS	
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ORIGINAL SURVEY	
NOTE BOOK	
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*DOUGLAS & MOULTRIE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

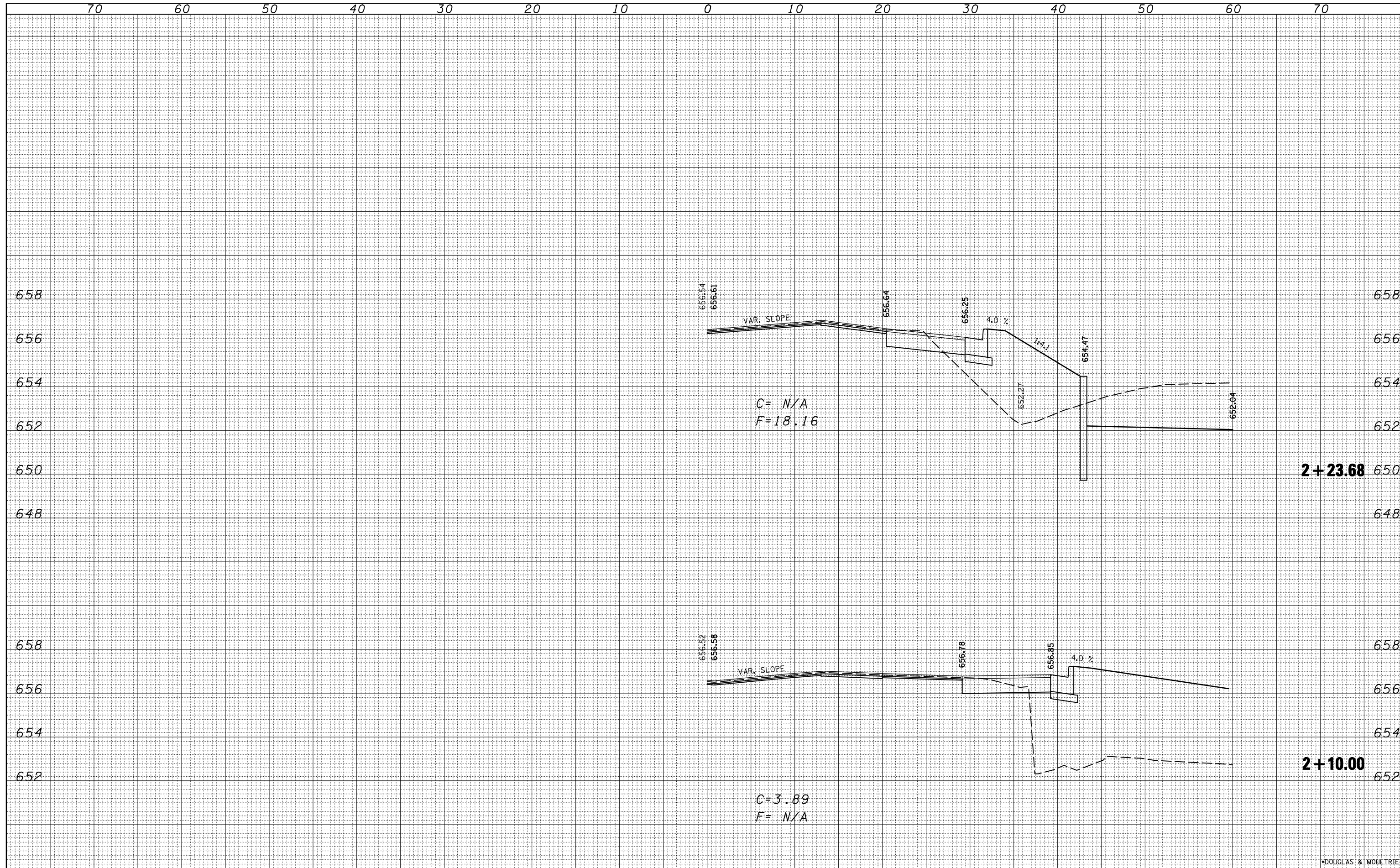
IL 133 @ VINE STREET
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1+30.00 TO STA. 1+55.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	12ORS-3	*	55	48
CONTRACT NO. 70234			ILLINOIS FED. AID PROJECT	

DATE	
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TEMPLATE	
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FINAL SURVEY	
NOTE BOOK	
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ORIGINAL SURVEY	
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 133 @ VINE STREET
 CROSS SECTIONS**

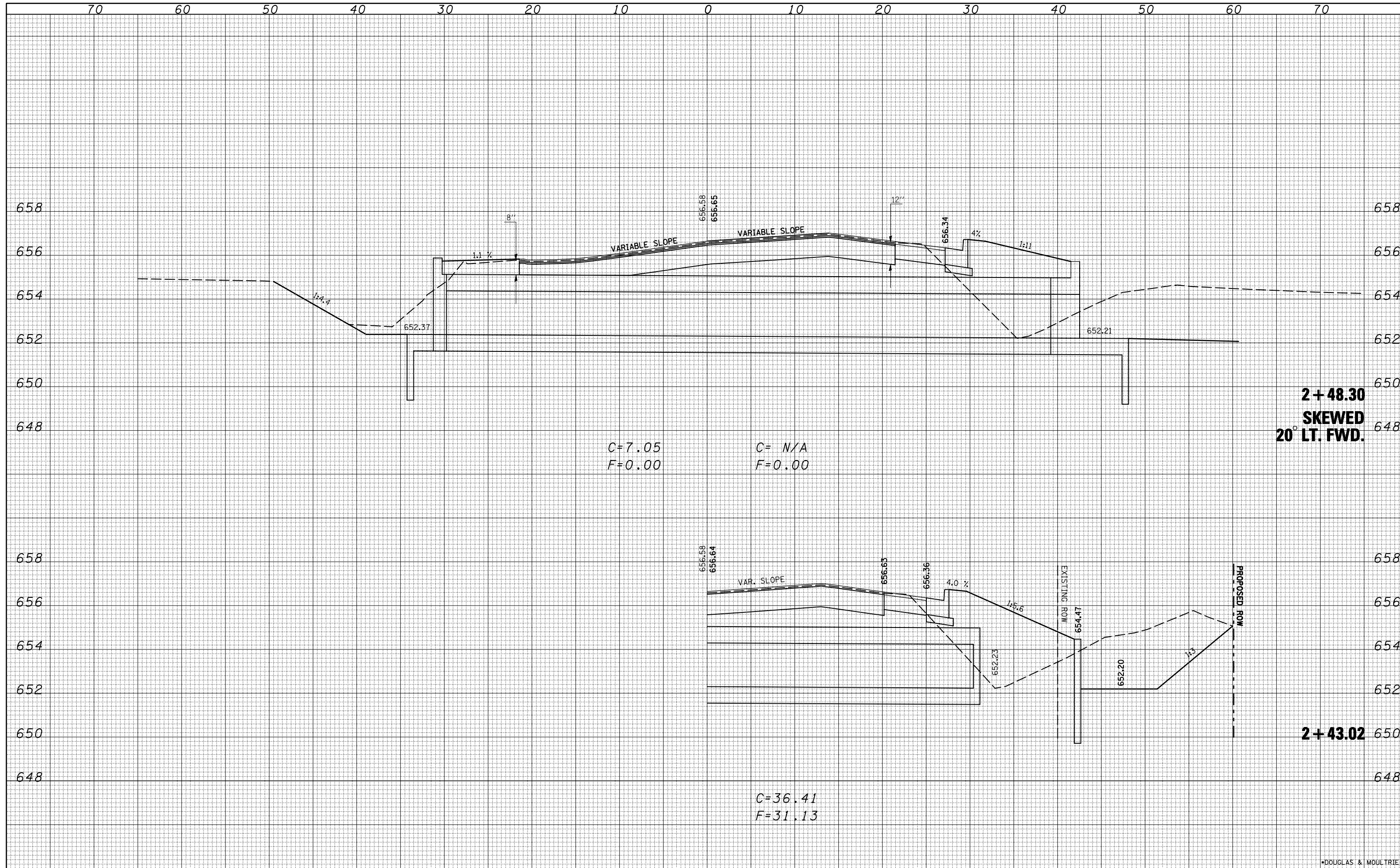
SCALE: SHEET NO. OF SHEETS STA. 2+10.00 TO STA. 2+23.68

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	12ORS-3	*	55	49
CONTRACT NO. 70234			ILLINOIS FED. AID PROJECT	

*DOUGLAS & MOULTRIE

DATE	
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FINAL SURVEY	
NOTE BOOK	
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TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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C=7.05
F=0.00

C= N/A
F=0.00

C=36.41
F=31.13

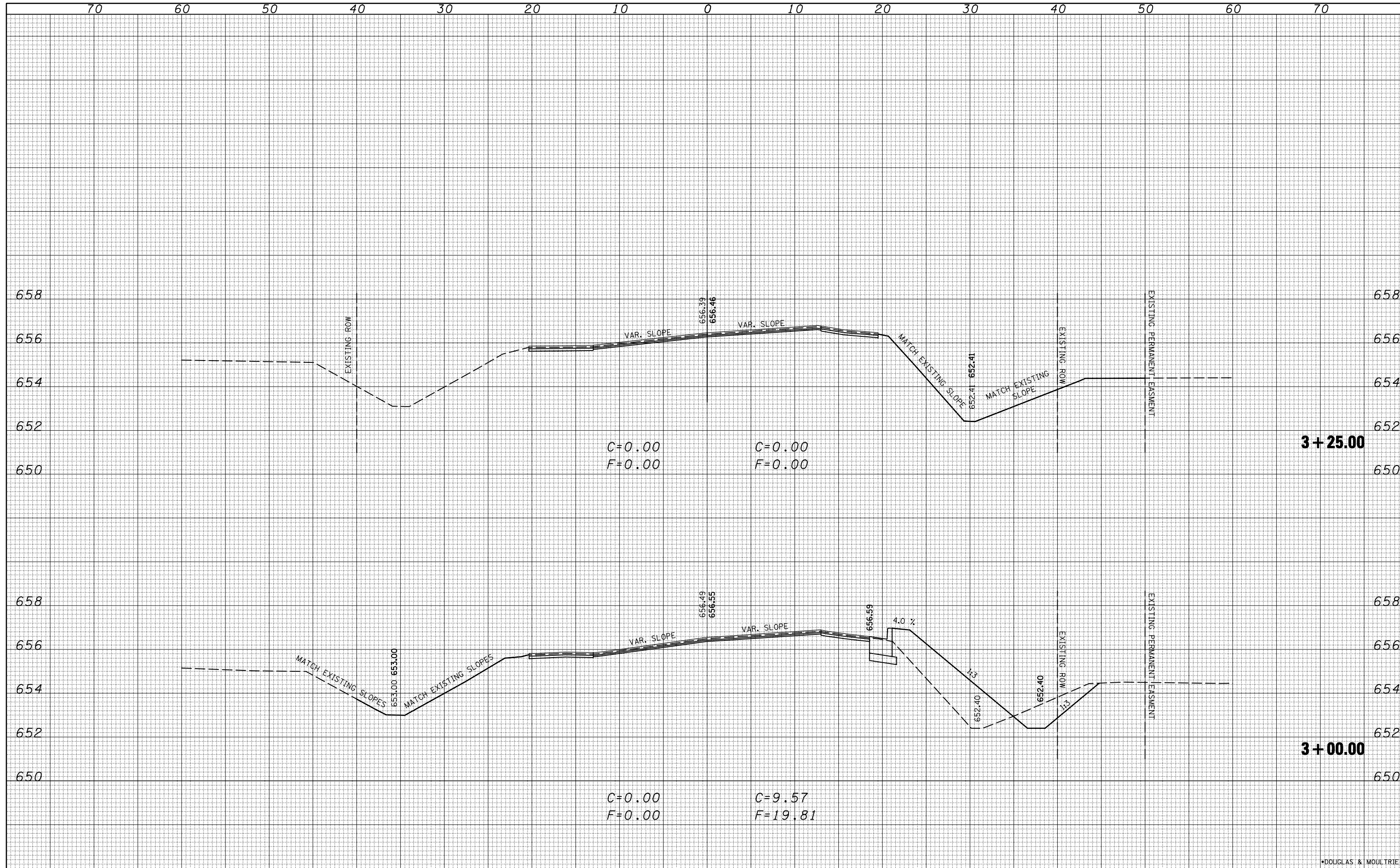
2+48.30
20° SKewed
LT. FWD.

2+43.02

*DOUGLAS & MOULTRIE

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 133 @ VINE STREET
 CROSS SECTIONS**

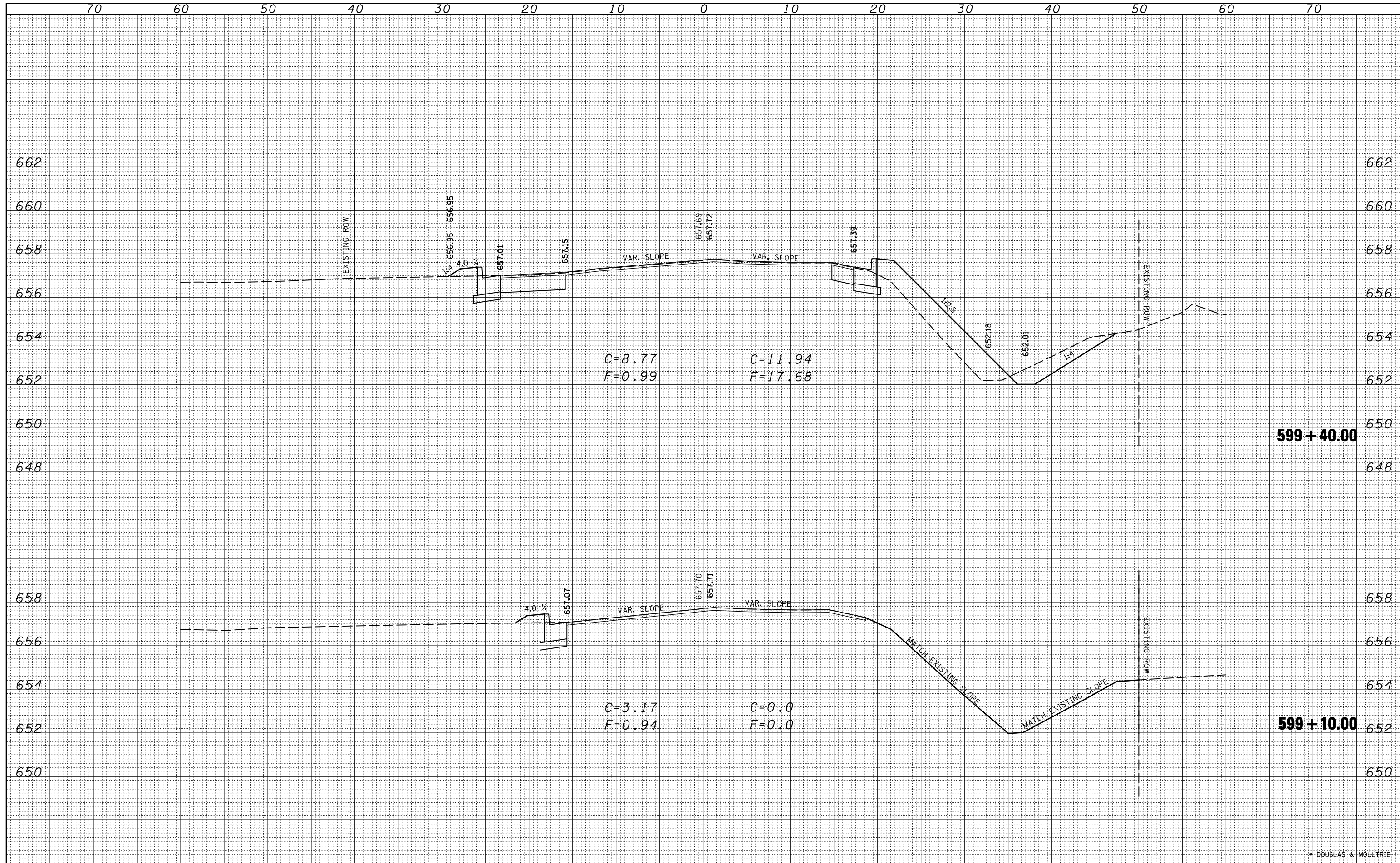
SCALE: SHEET NO. OF SHEETS STA. 3+00.00 TO STA. 3+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-3	*	55	52
CONTRACT NO. 70234			ILLINOIS FED. AID PROJECT	

*DOUGLAS & MOULTRIE

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FINL SURVEY	
NOTE BOOK	
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET NO. OF SHEETS STA. 599+10.00 TO STA. 599+40.00

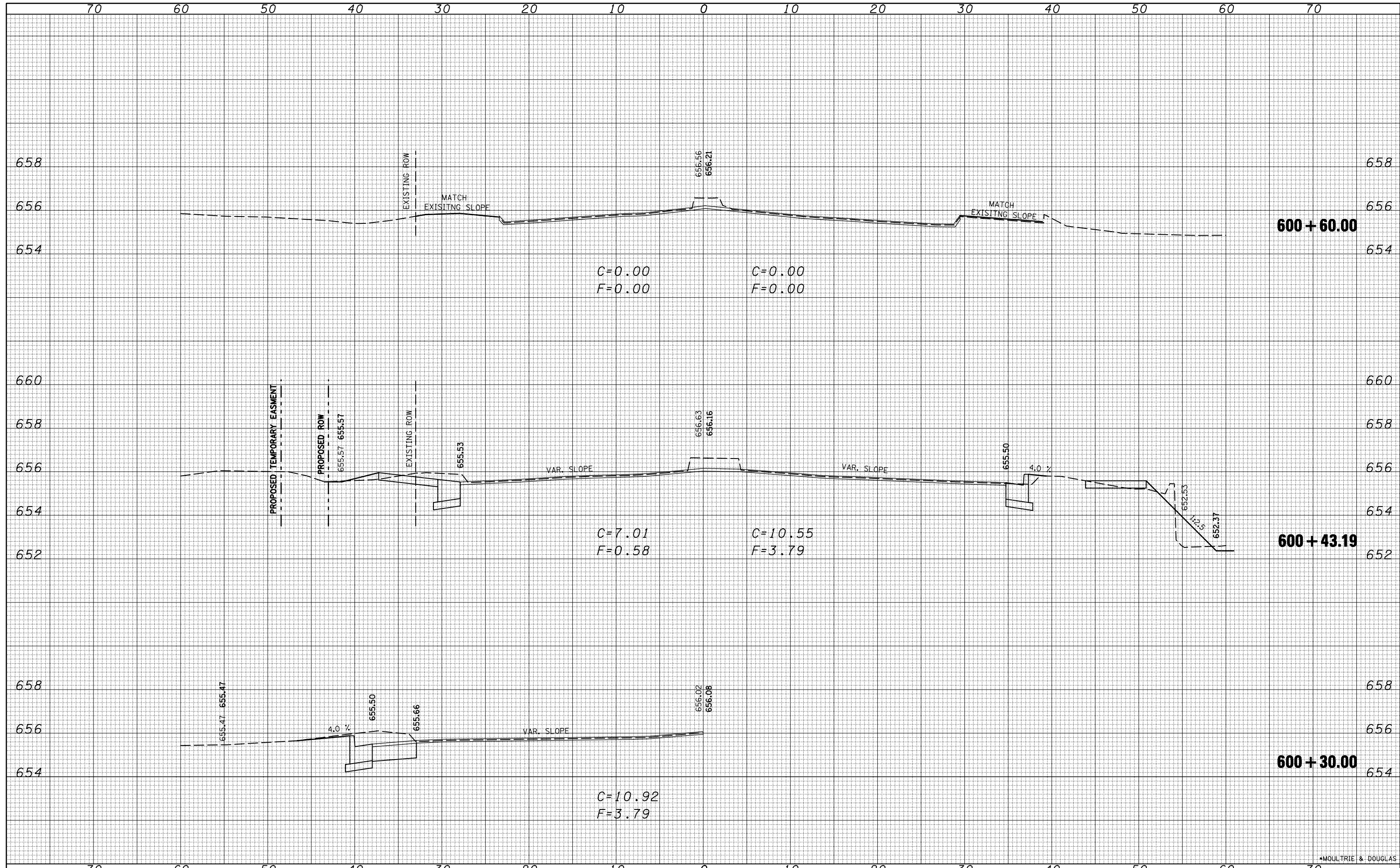
**S. VINE STREET
 CROSS SECTIONS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	12ORS-3	*	55	53
CONTRACT NO. 70234			ILLINOIS FED. AID PROJECT	

* DOUGLAS & MOULTRIE

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
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DATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET NO. OF SHEETS STA. 600+30.00 TO STA. 600+60.00

**N. VINE STREET
 CROSS SECTIONS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	120RS-3		55	55
CONTRACT NO. 70234			ILLINOIS FED. AID PROJECT	

*MOUTRIE & DOUGLAS