

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
731	(1)I-2	MACOUPIN	8	1
ILLINOIS				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED CONTRACT MAINTENANCE

FAS ROUTE 731 (SCOTTVILLE ROAD)
SECTION (1)I-2

PROPOSED BITUMINOUS SHOULDERS, BOTH SIDES OF RDWY.
MACOUPIN COUNTY
C-96-166-10

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES /MIX REQUIREMENTS
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL CROSS SECTIONS
- 5-8 PLAN LAYOUT SHEETS

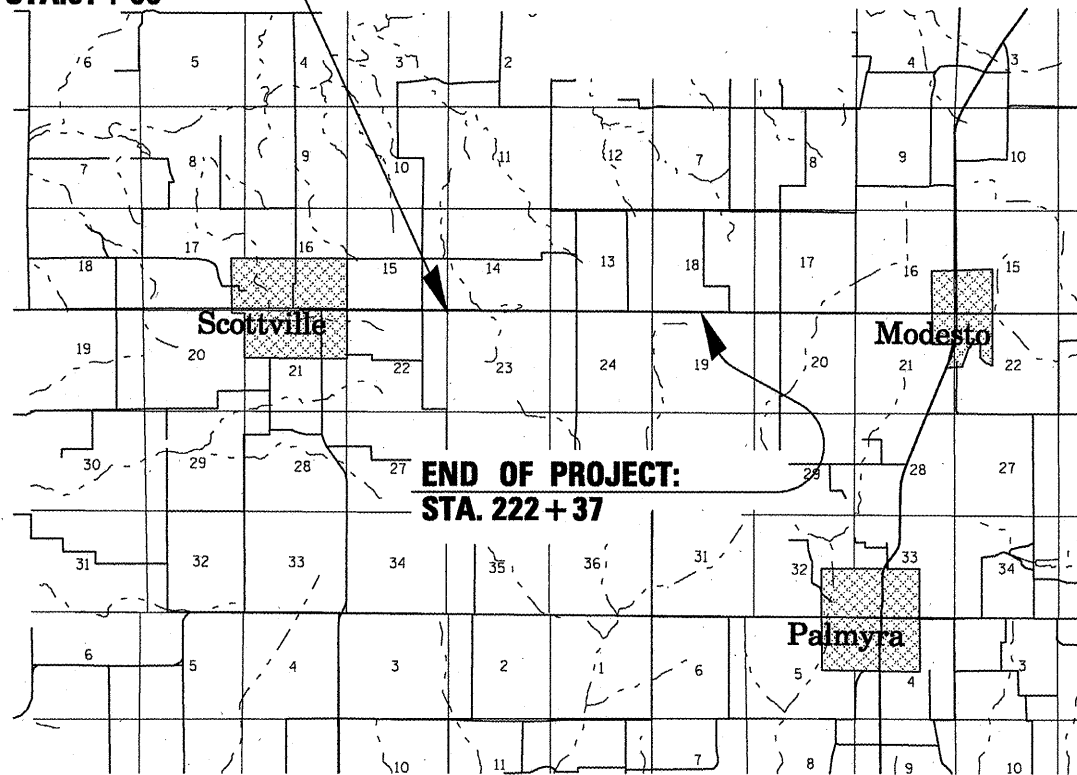
LIST OF STANDARDS

000001-05	701311-03
701001-02	701326-03
701006-03	701901-01
701011-02	780001-02
701301-03	

D-96-166-10



BEGINNING OF PROJECT:
STA. 91 + 00

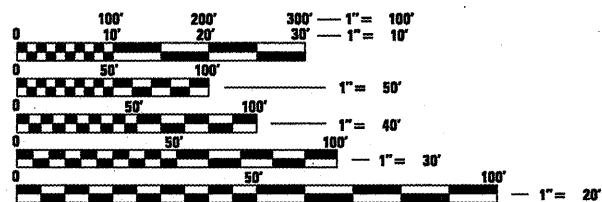


END OF PROJECT:
STA. 222 + 37

LOCATION MAP

GROSS LENGTH = 13,137 FT. = 2.496 MILES

NET LENGTH = 13,137 FT. = 2.496 MILES



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED December 15, 2009
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

January 29, 2010
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

January 29, 2010
[Signature]
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

PROJECT ENGINEER: SAL MADONIA (217) 782-4761
SQUAD LEADER: MARCUS BRUCE (217) 524-0946

CONTRACT NO. 72D38

GENERAL NOTES

1. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
2. IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
3. ACCESS TO ALL ENTRANCES AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS, AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS, THE J.U.L.I.E. NUMBER IS 1-800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.
5. THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
6. ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED.
7. UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT. EDGE LINES SHALL BE APPROXIMATELY 2" FROM THE EDGE LINE OF PAVEMENT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
8. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:

BITUMINOUS MATERIALS (PRIME COAT)	0.00038 TON/SQ. YD. (ON PAVEMENT)
BITUMINOUS MATERIALS (PRIME COAT)	0.001425 TON/SQ.YD. (ON AGG)
AGGREGATE PRIME COAT	0.002 TON/SQ. YD.
BITUMINOUS CONCRETE SURFACE	0.056 TON/SQ. YD. PER 1"
AGGREGATE MATERIAL	2.05 TON/CU. YD.
9. THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.
10. WHERE SECTION OR SUB-SECTION MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED AGENT OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
11. LIMITS OF CONSTRUCTION ALONG SIDE ROADS SHALL BE VERIFIED AND APPROVED BY THE ENGINEER BEFORE WORK BEGINS. LIMITS MAY BE ADJUSTED FROM PROPOSED PLAN LAYOUT IF ENGINEER DEEMS NECESSARY.
12. EXISTING MANHOLES AND INLET FRAMES & LIDS DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED WITH NEW FRAMES AND LIDS AT THE CONTRACTOR'S EXPENSE.
13. THE DISTRICT BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS, PHONE (217) 782-7314.
14. ALL OF THE DISTURBED AREAS WITHIN THE RIGHT OF WAY NOT COVERED BY SURFACING MATERIAL SHALL BE SEEDED.
15. THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE FOR THE DURATION OF THIS PROJECT.
16. SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED SHALL BE DETERMINED BY THE ENGINEER.
17. THE GRADING AND SHAPING OF THE DITCHES SHALL BE DONE IN SUCH A MANNER TO ESTABLISH POSITIVE FLOW BETWEEN DRAINAGE STRUCTURES, OR BETWEEN THE EXISTING ELEVATION AT THE UPSTREAM END OF THE GRADING TO THE DOWNSTREAM DRAINAGE STRUCTURE.

COMMITMENTS:

THERE ARE NO COMMITMENTS MADE FOR THIS PROJECT.

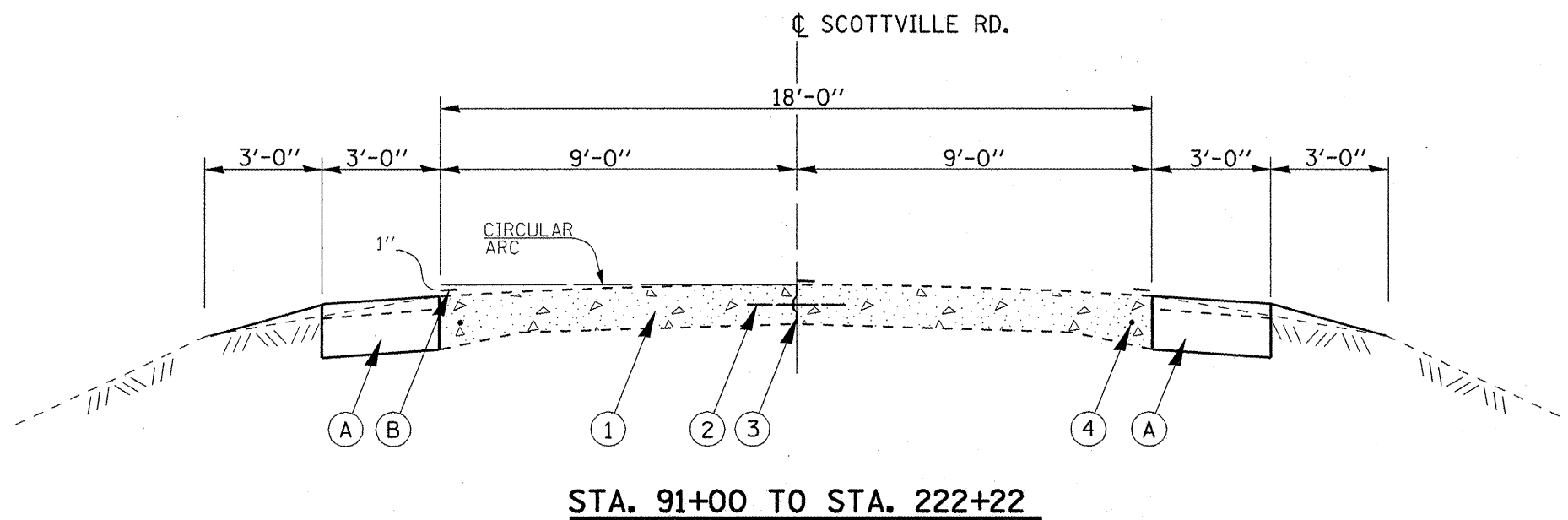
MIXTURE REQUIREMENTS FOR PROPOSED 9" BITUMINOUS SHOULDERS		
LOCATION(S):	TOP 2" OF PROPOSED LT. & RT. SHLDRS.	BOTTOM 7" OF PROPOSED LT. & RT. SHLDRS.
MIXTURE USE(S):	HMA SURFACE COURSE, MIX "C", N50	HMA BINDER COURSE, IL-19.0, N50
P.G.:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 19.0
FRICITION AGGREGATE:	MIX "C"	NOT APPLICABLE

DISTRICT SIX	
EXAMINED <u>Dec 11</u> 20 <u>09</u> <i>Rami J. Haari</i>	
OPERATIONS ENGINEER	
EXAMINED <u>Dec 11</u> 20 <u>09</u> <i>Rami J. Haari</i>	
PROGRAM IMPLEMENTATION ENGINEER	
EXAMINED <u>Dec 15</u> 20 <u>09</u> <i>DPML</i>	
PROGRAM DEVELOPMENT ENGINEER	

SUMMARY OF QUANTITIES SECTION 2 STATION 91+00 TO 222+22

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	MACOUPIN CO. SFTY-2A 100% STATE
				QUANTITY
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	262	262
25000200	SEEDING, CLASS 2	ACRE	0.9	0.9
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	81	81
25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	81	81
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	81	81
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1.8	1.8
25100115	MULCH, METHOD 2	ACRE	0.9	0.9
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	200	200
48203033	HOT-MIX ASPHALT SHOULDERS, 9"	SQ YD	8747	8747
67100100	MOBILIZATION	L SUM	1.0	1.0
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1.0	1.0
70103815	TRAFFIC CONTROL SURVELLANCE	CAL DA	4	4
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	29525	29525

**Specialty Items*



LEGEND

- ① EXISTING 9'-6"-9" P.C.C. PAVEMENT
- ② EXISTING 1/2"Ø DEFORMED TIE BAR 4' LONG @ 5' CENTERS
- ③ EXISTING LONGITUDINAL METAL JOINT
- ④ 3/4"Ø SMOOTH BAR
- Ⓐ PROPOSED HMA SHOULDERS, 9", CONSISTING OF:
* HMA SURFACE COURSE, MIX "C", N 50, 2" DEPTH
* HMA BINDER COURSE, IL-19.0, N50, 7" DEPTH
- Ⓑ PROPOSED PAINT PAVEMENT MARKING - LINE 4"

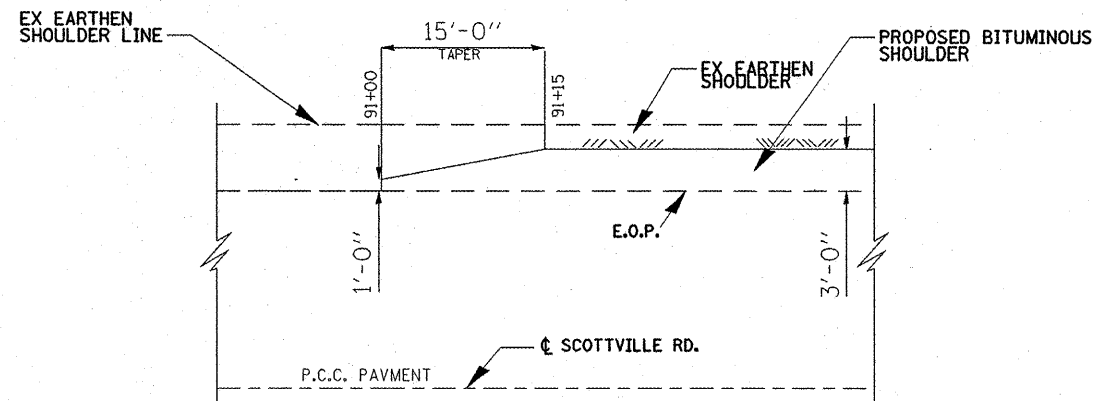
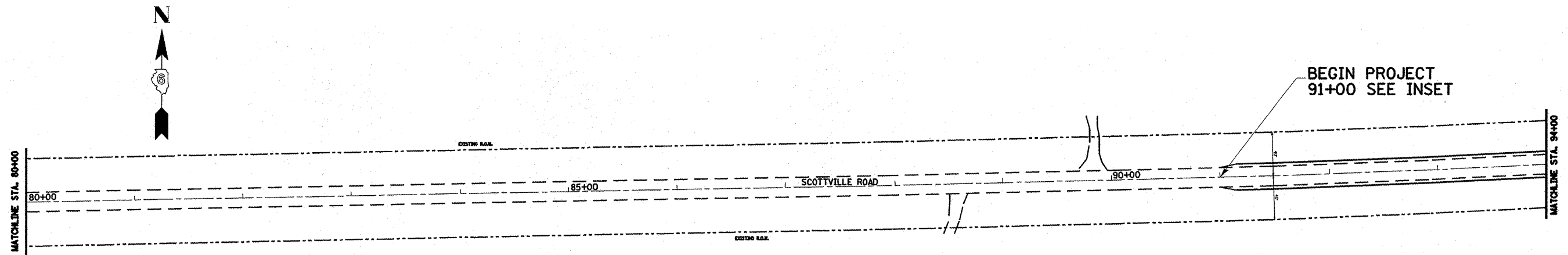
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

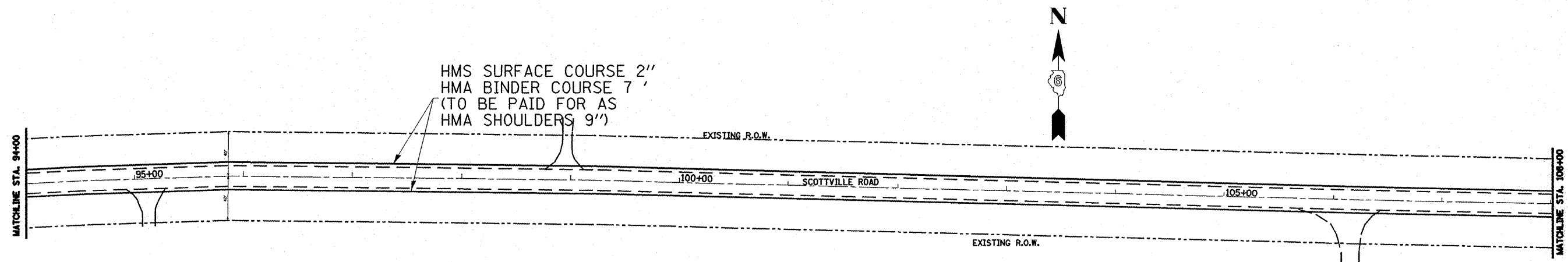
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	011-2	MACOUPIN	8	4
CONTRACT NO. 72038			ILLINOIS FED. AID PROJECT	

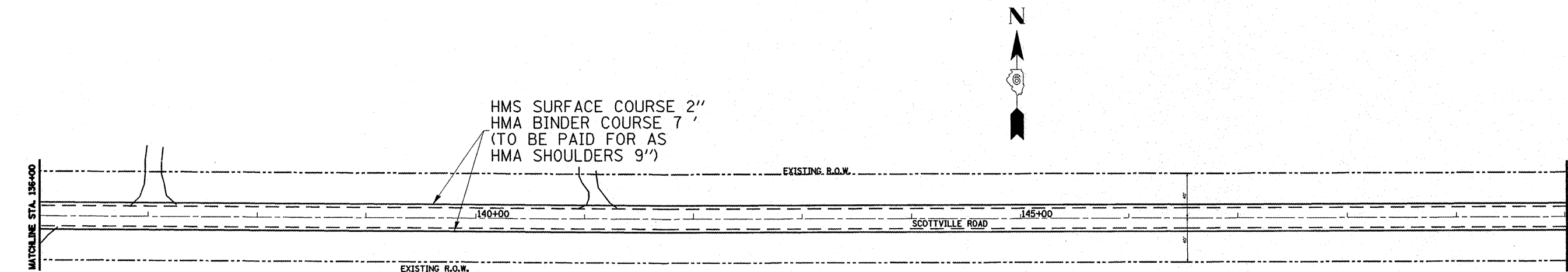
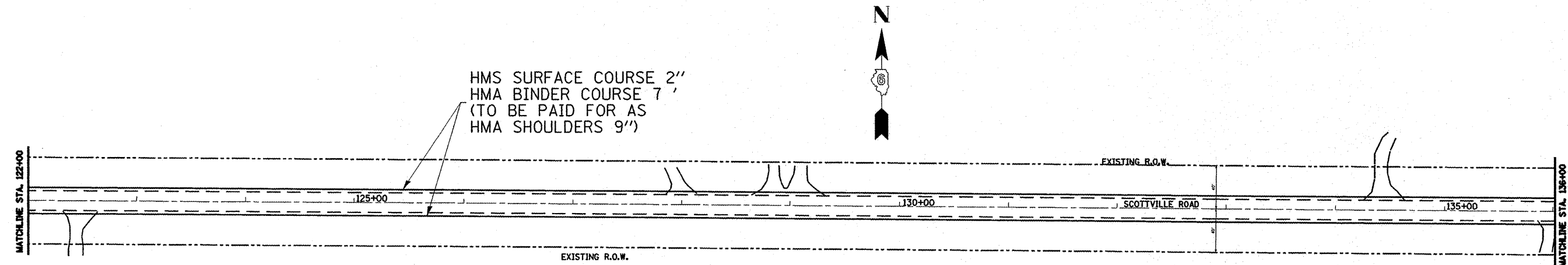
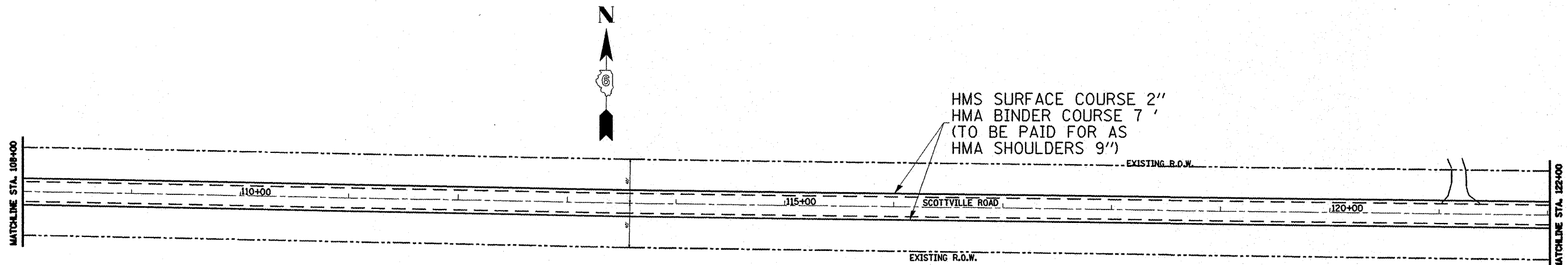


TAPER DETAIL FOR PROPOSED BITUMINOUS SHOULDERS
 (TRANSITION WIDTH FOR PROPOSED BITUMINOUS
 SHOULDERS FROM 1'-00" STUB TO 3'-00" WITHIN 15'-0")
 (STA. 91+15)

INSET (BEGINNING OF PROJECT)



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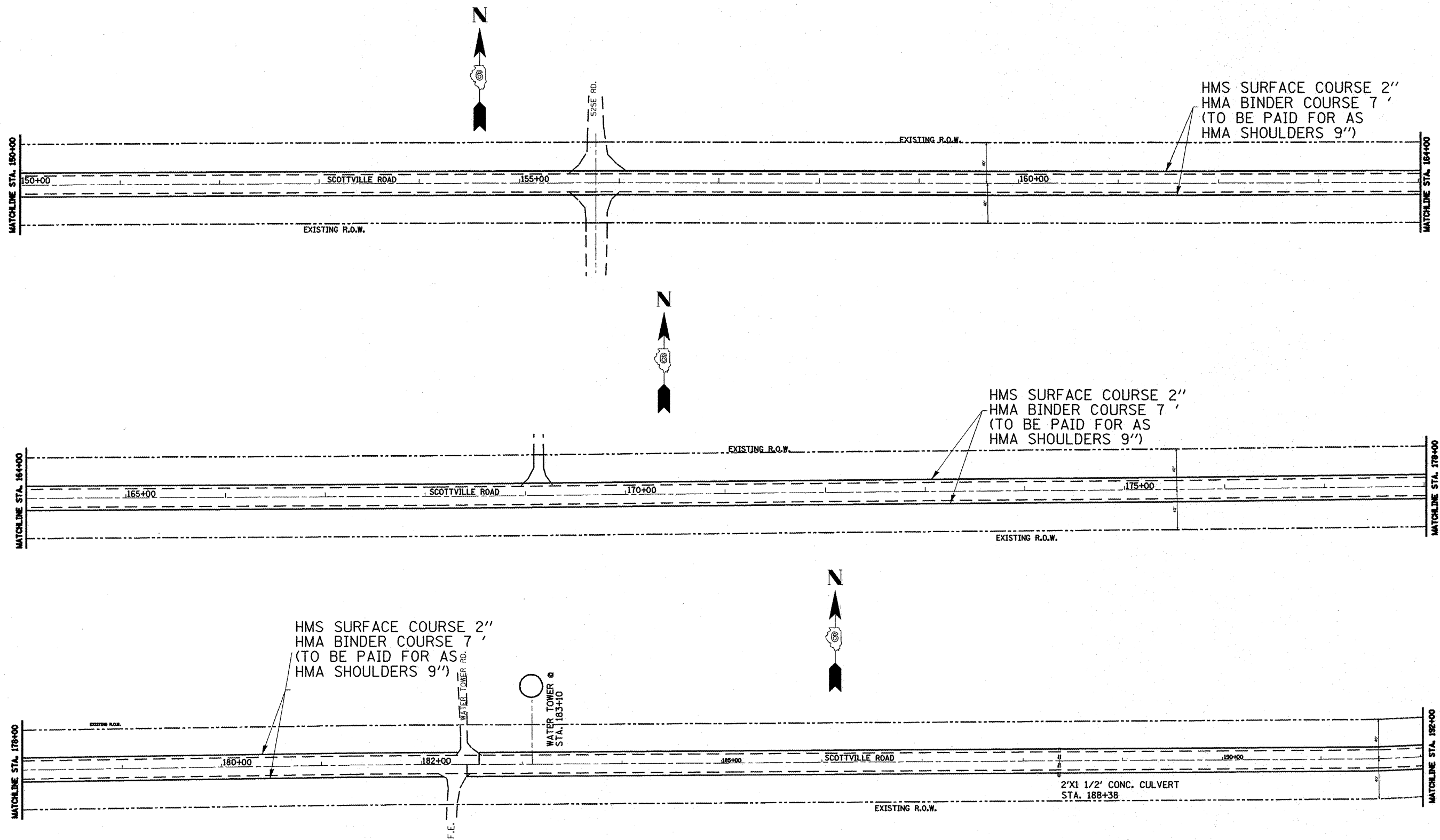
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN LAYOUT

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
731	(11)-2	MACOUPIN	8	6
CONTRACT NO. 72038				
ILLINOIS FED. AID PROJECT				



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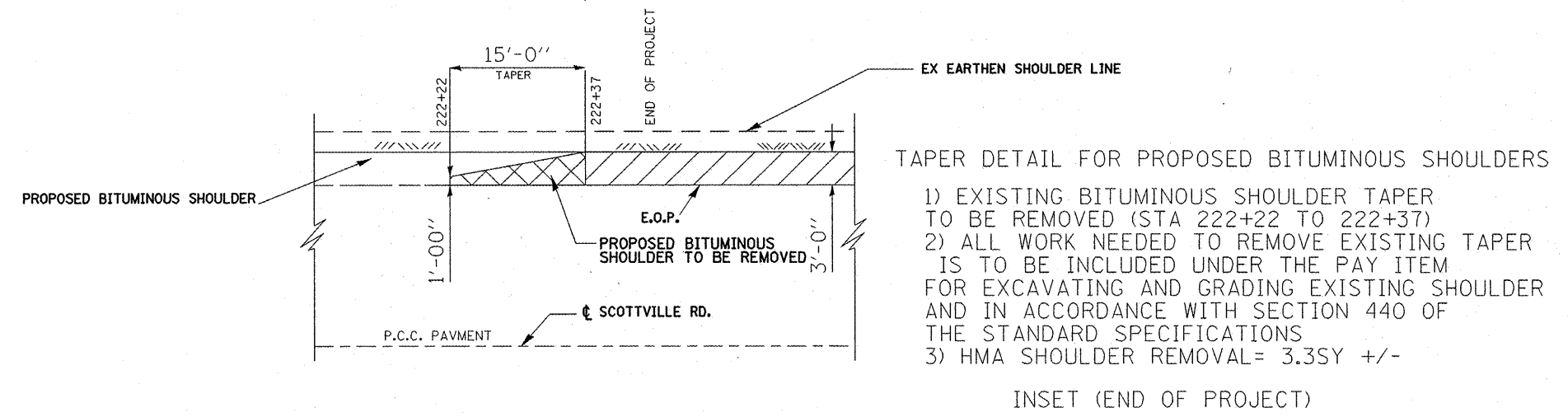
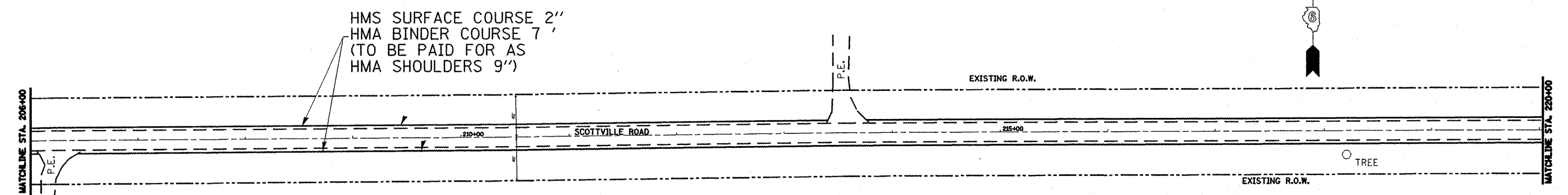
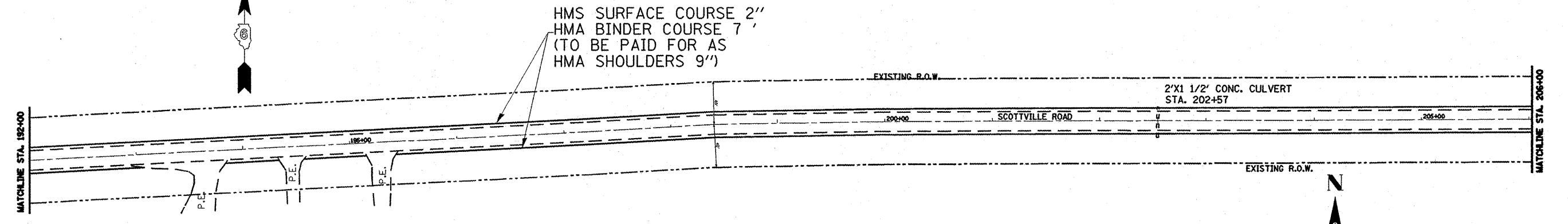
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN LAYOUT

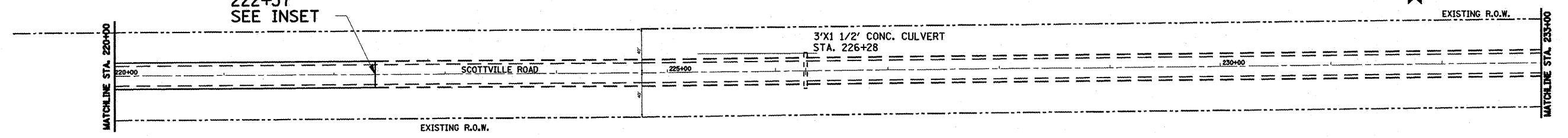
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
731	(11)-2	MACOUPIN	8	7
CONTRACT NO. 72038				
ILLINOIS FED. AID PROJECT				

72038-1



END OF PROJECT
222+37
SEE INSET



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