

FAI ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	1

1015-1-RS-1,14-1(R)RS & 6RS-3 = 116

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
HIGHWAY IMPROVEMENT

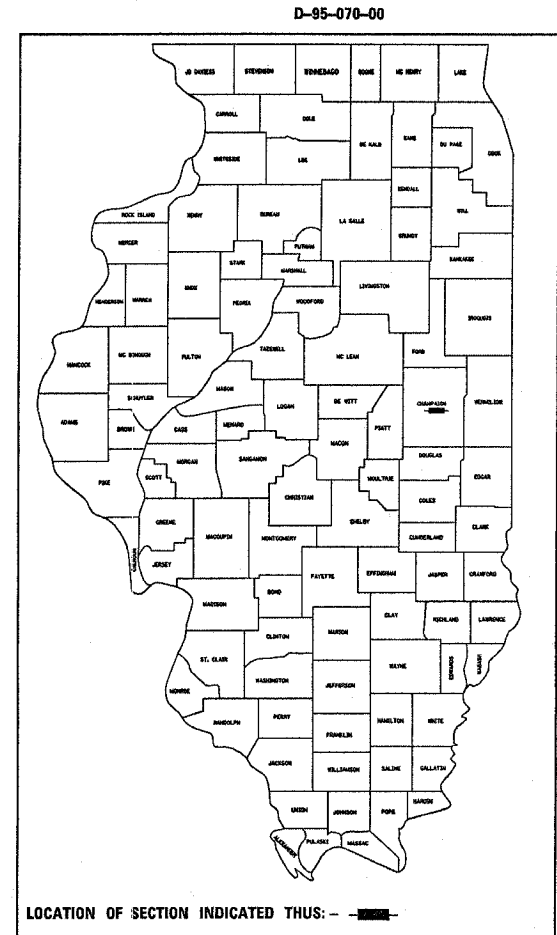
FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEETS NO. 6 - 9

PLAN 1"=100'
PROFILE HORIZ. N/A
PROFILE VERT. N/A
CROSS SECTIONS 1"=5' HORIZONTAL 1"=2' VERTICAL

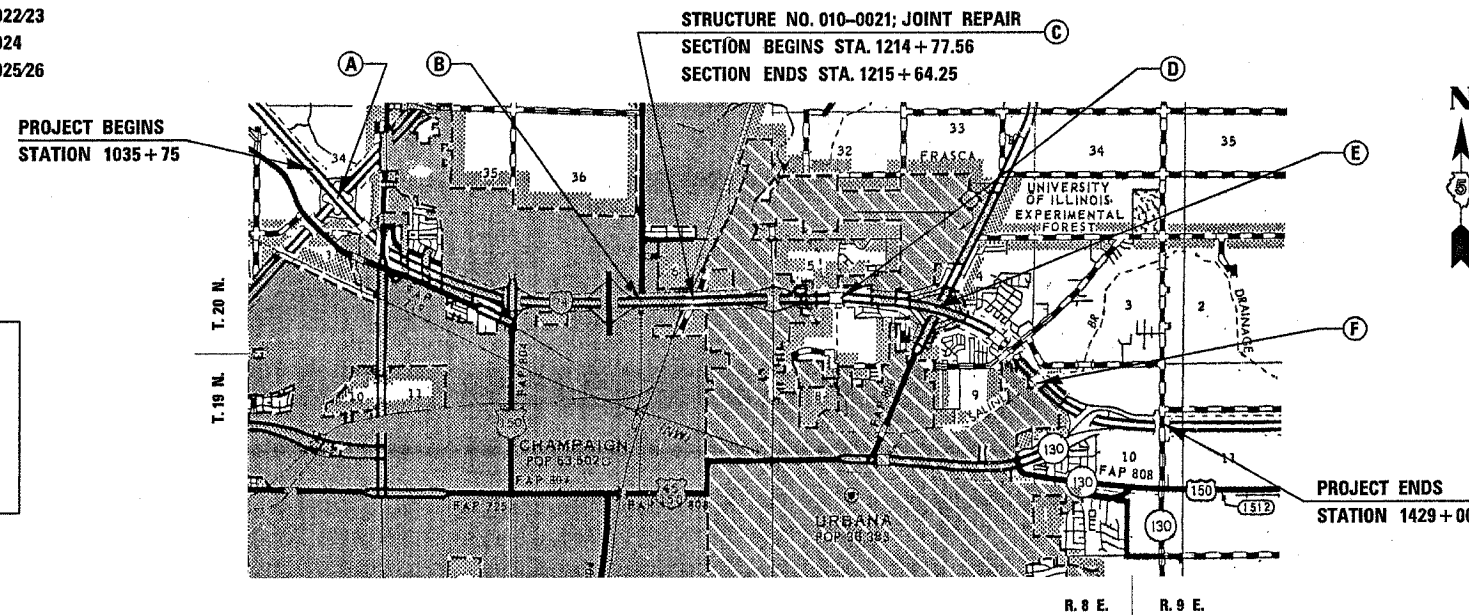
FAI ROUTE 74 (I-74)
SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
CHAMPAIGN COUNTY
PROJECT IM-HS-74-5(154)178

C-95-134-00

RESURFACING FROM 0.5 MILE WEST OF F.A.I. 57 TO IL 130 IN URBANA



- PAVING OMISSIONS
- (A) STA. 1059 + 55.66 TO STA. 1063 + 15.83; S.N. 010-001819
 - (B) STA. 1198 + 83.64 TO STA. 1201 + 28.89; S.N. 010-0020
 - (C) STA. 1214 + 77.68 TO STA. 1223 + 01.68; S.N. 010-0021
 - (D) STA. 1279 + 20.00 TO STA. 1280 + 70.00; S.N. 010-0022/23
 - (E) STA. 1320 + 35.74 TO STA. 1322 + 80.08; S.N. 010-0024
 - (F) STA. 1372 + 04.45 TO STA. 1374 + 26.36; S.N. 010-0025/26



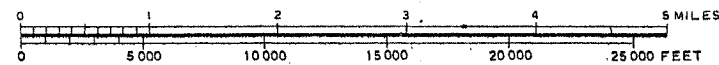
ADT - 2005

LEG "A" W. OF I-57 AND E. OF US 45	32,800
LEG "B" I-57 TO PROSPECT AVE	38,900
LEG "C" PROSPECT AVE TO NEIL ST	47,000
LEG "D" NEIL ST TO LINCOLN AVE	52,300

**DESIGN DESIGNATION
RESURFACING**

CONTRACT NO. 70141

TOTAL LENGTH OF SECTION & PROJECT = 39,325.00 FEET = 7.448 MILES
NET LENGTH OF SECTION & PROJECT = 37,322.80 FEET = 7.069 MILES



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Oct 31 20 05

Joseph C. Long
DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

December 9, 2005
Mike Klein
ENGINEER OF DESIGN AND ENVIRONMENT

December 9, 2005
Eric Harrod
DEPUTY DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

FOR UNDERGROUND UTILITY LOCATIONS CALL
TOLL FREE J.U.L.I.E. TELEPHONE NO.
1-800-892-0123

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____
DIVISION ADMINISTRATOR DATE

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

PROJECT ENGINEER: TIM BRANDENBURG (217)465-4181

SQUAD LEADER: MICHAEL LEROY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	2

* 1045-1-RS-1,14-1(R)RS & 6RS-3)

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000001-04	ABBREVIATIONS AND SYMBOLS
001001	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND A FOOT
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
420001-06	PAVEMENT JOINTS
420401-05	BRIDGE APPROACH PAVEMENT
421001-01	BAR REINFORCEMENT FOR CRC PAVEMENT
424001-04	CURB RAMPS FOR SIDEWALKS
442201-01	CLASS C & D PATCHES
482001	BITUMINOUS SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
601001	SUB-SURFACE DRAINS
601101	CONCRETE HEADWALL FOR PIPE DRAIN
606001-02	CONCRETE CURB, TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606101-01	TYPE A GUTTER (INLET, OUTLET AND ENTRANCE)
609001-02	BRIDGE APPROACH SHOULDER PAVEMENT AND DRAIN
609006-02	BRIDGE APPROACH PAVEMENT (DRAIN DETAIL)
630001-05	STEEL PLATE BEAM GUARDRAIL
631031-05	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
642001	SHOULDER RUMBLE STRIPS
664001-01	CHAIN LINK FENCE
701101-01	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24' FROM PAVEMENT EDGE
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-03	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-05	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701406-04	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701411-03	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS \geq 45 MPH
701426-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS \geq 45 MPH
701601-04	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701801-03	LANE CLOSURE, MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001-05	TRAFFIC CONTROL DEVICES
704001-02	TEMPORARY CONCRETE BARRIER
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
805001	ELECTRICAL SERVICE INSTALLATION DETAILS
813001-01	JUNCTION BOXES
814001	CONCRETE HANDHOLES
814006	DOUBLE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
877001-02	STEEL MAST ARM ASSEMBLY AND POLE
878001-03	CONCRETE FOUNDATION DETAILS
880006	TRAFFIC SIGNAL MOUNTING DETAILS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTION LOOPS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	3

• 1015-1-RS-1,14-1(R)RS & 6RS-3)

GENERAL NOTES

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. -1004.01

COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

G. N. -105.07

EXISTING STATE-OWNED AND MAINTAINED UTILITY LINES ARE SHOWN ON THE PLANS TO INDICATE THEIR PRESENCE AND APPROXIMATE LOCATION. THE CONTRACTOR SHALL NOTIFY THE DISTRICT OPERATIONS ENGINEER TWO WEEKS PRIOR TO COMMENCING ANY EXCAVATION IN THE VICINITY OF THESE LINES. THE STATE WILL THEN LOCATE AND MARK THE HORIZONTAL LOCATIONS OF THE LINES AND PROVIDE ANY AVAILABLE INFORMATION AS TO THEIR DEPTH. SHOULD ANY OF THE LINES BE DAMAGED BY THE CONTRACTOR'S OPERATION, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF THE ENGINEER AND AT NO COST TO THE STATE.

ALSO THERE MAY BE UTILITIES PRESENT WHICH WERE INSTALLED BY THE STATE BUT ARE MAINTAINED BY OTHERS (CITY, TOWN, ETC.) THE APPROXIMATE LOCATIONS OF THESE LINES ARE ALSO SHOWN ON THE PLANS ALONG WITH THE NAME OF THE MAINTAINING AGENCY. THE CONTRACTOR SHALL COORDINATE THE LOCATING OF THESE LINES WITH THE LOCAL AGENCY PRIOR TO COMMENCING ANY EXCAVATION OR BORING IN THEIR VICINITY. SHOULD THESE LINES BE DAMAGED BY THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF, AND AT NO COST TO, THE LOCAL AGENCY AND THE STATE.

G. N. -105.09A

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

G. N. -107.12

THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE LOCAL RAILROAD CONTACT IS:

Mr. Hardy Taylor
1907 Marion Ave.
Mattoon, IL 61938
(217) 238-2443

SPECIAL ATTENTION IS CALLED TO ARTICLE 107.12 REGARDING RAILROAD FLAGGERS. THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE RAILROAD FLAGGER CONTACT IS:

Mr. Hardy Taylor
1907 Marion Ave.
Mattoon, IL 61938
(217) 238-2443

G. N. -107.31

UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED. J. U. L. I. E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800)892-0123.

G. N. -202

GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE AS DIRECTED BY THE ENGINEER.

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G. N. -205

BENCHING PROCEDURES SHALL BE USED IN AREAS WHERE EXISTING EMBANKMENTS ARE WIDENED FOR THE PROPOSED PAVEMENT. STEPS SHALL BE CUT INTO THE EXISTING EMBANKMENT SLOPES AND SHALL HAVE THE FOLLOWING DIMENSIONS:

HORIZONTAL: 3
VERTICAL: 1

G. N. -250C

SEEDING, CLASS 7 AND MULCH, METHOD 2 IS INCLUDED IN THIS CONTRACT TO SEED NEW EARTH SHOULDERS DURING TIME PERIODS WHEN PERMANENT SEEDING IS NOT ALLOWED. SOME OR ALL OF THE CLASS 7 SEEDING AND MULCH WILL BE DELETED IF IT IS POSSIBLE TO PLACE PERMANENT SEEDING ON EARTH SHOULDERS AT THE TIME OF THEIR COMPLETION.

G. N. -353

THE SHADED AREAS OF P.C. CONCRETE BASE COURSE CONSTRUCTED ADJACENT TO COMBINATION CONCRETE CURB AND GUTTER AS SHOWN IN THE PLANS SHALL BE POURED MONOLITHIC WITH THE COMBINATION CONCRETE CURB AND GUTTER. THIS WORK WILL BE MEASURED AND INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE YARD FOR PORTLAND CEMENT CONCRETE BASE COURSE OF THE THICKNESS SPECIFIED IN THE PLANS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G. N. -406

THE QUANTITIES INCLUDED IN THE PLANS FOR BITUMINOUS CONCRETE RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE BITUMINOUS MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G. N. -406E

FOR MULTILANE RESURFACING.

WHEN BEGINNING THE RESURFACING WITH NEW MIXTURES FOR LEVELING BINDER, BINDER COURSE, AND SURFACE COURSE MIXTURES, THE WORK WILL BE CONFINED TO THE INSIDE TRAFFIC LANE (PASSING LANE) FIRST. THE WORK WILL REMAIN ON THE INSIDE LANE UNTIL THE MIX HAS BEEN ADJUSTED AND APPROVED BY THE ENGINEER BEFORE ANY RESURFACING IS ALLOWED ON THE OUTSIDE (DRIVING) TRAFFIC LANE(S).

ANY DELAYS OR INCONVENIENCES CAUSED THE CONTRACTOR IN COMPLYING WITH THIS REQUIREMENT WILL BE CONSIDERED INCIDENTAL TO THE VARIOUS CLASS I PAY ITEMS OR SUPERPAVE PAY ITEMS, AS SHOWN IN THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	4

* 1015-1-RS-1,14-1(R)RS & 6RS-3)

GENERAL NOTES

**G. N. -406H
MIXTURE REQUIREMENTS**

The following mixture requirements are applicable for this project:

Location:	I-74	I-74 & Ramps	I-74 Ramps	I-74	I-74	I-74	I-74 & Ramps	Lincoln Ave.	Lincoln Ave.
Mixture Use:	Surface	Bit Shldrs	Surface	Base Cse. Widening 13" @ Lincoln Ave & 010-0021	Binder Bottom Flex Conn	Surface Top 2" Flex Conn.	Pavement Cleaning/ Bit Mix for Patching	Surface	Bit. Shldrs. Super, 8" @ Lincoln Ave Bottom Lift
AC/PG:	SBS PG 70-28	PG 64-22	SBS PG 70-28	PG 64-22	PG 64-22	SBS PG 70-28	SBS PG 70-28	SBS PG 70-28	SBS PG 58-22
RAP% (Max):	0%	30%	0%	0%	0%	0%	0%	0%	30%
Design Air Voids:	4.0% @ Ndes=105	3.0% @ Ndes=30	4.0% @ Ndes=105	4.0% @ Ndes=105	4.0% @ Ndes=105	4.0% @ Ndes=105	4.0% @ Ndes=105	4.0% @ Ndes=105	2.0% @ Ndes=30
Mix Comp: (Gradation)	IL 9.5 or IL 12.5	IL 9.5L	IL 9.5	IL 19.0	IL 19.0	IL 9.5 or IL 12.5	IL 9.5	IL 9.5	BAM
Friction Aggregate:	Mix E	Mix C	Mix D	N. A.	N. A.	Mix E	Mix D	Mix D	NA

G. N. -440B
THE EXISTING TIE BARS BETWEEN THE EXISTING PAVEMENT AND EXISTING MEDIANS, GUTTERS AND/OR COMBINATION CURB AND GUTTERS THAT ARE FOUND SUITABLE FOR REUSE SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY EXISTING TIE BARS THAT ARE FOUND UNSUITABLE TO BE INCORPORATED INTO THE PROPOSED CONSTRUCTION DUE TO EXCESSIVE RUSTING OR DISTRESS SHALL BE REMOVED FLUSH WITH THE FACE OF THE EXISTING CONCRETE AND DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS REMOVAL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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 BITUMINOUS SHOULDERS SUPERPAVE SHALL BE COMPACTED TO 94.0-98.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY. THIS REQUIREMENT SHALL APPLY TO BOTH B. A. M. AND IL 9.5L GRADATION SHOULDER MIXES. 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 BOTH THE B. A. M. AND IL 9.5L MIXES USING STANDARD CORRELATION PROCEDURES.

G. N. -501A
THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHOULD FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

G. N. -609
PRIOR TO ROUTING TRAFFIC ONTO THE SHOULDERS AS SHOWN IN THE STAGING PLANS, THE CONTRACTOR SHALL SECURE THE GRATINGS ON SHOULDER INLETS AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

G. N. -631
IF THE CONTRACTOR ELECTS TO USE THE ALTERNATE MOUNTING METHOD OF THRU DRILLING THE MOUNTING HOLES FOR THE TRAFFIC BARRIER TERMINALS, TYPE 6, THE HOLES SHALL BE DRILLED USING A CORE DRILL. A HAMMER DRILL WILL NOT BE ALLOWED.

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 AND TO DETERMINE IF IT WILL BE NECESSARY FOR THE CONTRACTOR TO HIRE AN ILLINOIS LAND SURVEYOR.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	5

* 105-1-RS-1,14-1(RRS & 6RS-3)

GENERAL NOTES

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 DISCREPENCY 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).

G. N. -SPECIAL

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR A CHANGE IN SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

G. N. -SPECIAL

THE PAY ITEM "REMOVE GROUND MOUNTED SIGN SUPPORT" SHALL CONSIST OF THE DISASSEMBLY OF STATE OWNED FOOD/GAS/LODGING SIGNS AND TRANSPORTING THEM TO THE CHAMPAIGN MAINTENANCE YARD. THE DISTRICT 5 SIGN COORDINATOR (ROB BOGUE, EXT. 229) SHALL BE NOTIFIED AT LEAST 10 WORKING DAYS BEFORE THE START OF THE WORK. THESE SIGNS SHOULD BE CAREFULLY REMOVED FROM THE STUB POST AND FOUNDATIONS IN SUCH A MANNER THAT THE SIGNS AND POSTS ARE NOT DAMAGED. IN ADDITION, PRIOR TO RELOCATING THE EXISTING LIGHT UNITS AT THIS LOCATION, THE DISTRICT 5 TRAFFIC SIGNAL ENGINEER (DAVE BURKYBILE, EXT. 383) SHALL BE GIVEN AT LEAST THE SAME 10 WORKING DAY NOTIFICATION.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	6

SUMMARY OF QUANTITIES

CODE NO	ITEM	CONSTRUCTION TYPE CODE	LOCATION OF WORK	UNIT	QUANTITY	URBAN FAI-74 MULTILANE ROADWAY IMPROVEMENTS							
						BRIDGE REPAIR		90% FEDERAL 10% STATE FAI-74 1000					
						90% FED 10% STATE SFTY-2A SN 010-0021		MAIN LINE	I-57 RAMP	PROSPECT RAMP	NEIL ST RAMP	LINCOLN AVE RAMP	U. S. 45 RAMP
20200100	EARTH EXCAVATION			CU YD	935.0	15.0	0.0	0.0	0.0	0.0	920.0 +	0.0	0.0
20400800	FURNISHED EXCAVATION			CU YD	1,380.0	0.0	0.0	0.0	0.0	0.0	1,380.0 +	0.0	0.0
20700220	POROUS GRANULAR EMBANKMENT			CU YD	420.0	420.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25000200	SEEDING, CLASS 2			ACRE	0.3	0.1	0.0	0.0	0.0	0.0	0.2 +	0.0	0.0
25000350	SEEDING, CLASS 7			ACRE	0.2	0.0	0.0	0.0	0.0	0.0	0.2 +	0.0	0.0
25000400	NITROGEN FERTILIZER NUTRIENT			POUND	27.0	9.0	0.0	0.0	0.0	0.0	18.0 +	0.0	0.0
25000500	PHOSPHORUS FERTILIZER NUTRIENT			POUND	27.0	9.0	0.0	0.0	0.0	0.0	18.0 +	0.0	0.0
25000600	POTASSIUM FERTILIZER NUTRIENT			POUND	27.0	9.0	0.0	0.0	0.0	0.0	18.0 +	0.0	0.0
25100115	MULCH, METHOD 2			ACRE	0.2	0.0	0.0	0.0	0.0	0.0	0.2 +	0.0	0.0
28000250	TEMPORARY EROSION CONTROL SEEDING			POUND	13.0	0.0	0.0	0.0	0.0	0.0	13.0 +	0.0	0.0
28000300	TEMPORARY DITCH CHECKS			EACH	6.0	0.0	0.0	0.0	0.0	0.0	6.0 +	0.0	0.0
28000400	PERIMETER EROSION CONTROL BARRIER			FOOT	660.0	0.0	0.0	0.0	0.0	0.0	660.0 +	0.0	0.0
31100300	SUBBASE GRANULAR MATERIAL, TYPE A, 4"			SQ YD	637.0	0.0	0.0	0.0	0.0	0.0	637.0 +	0.0	0.0
31100910	SUBBASE GRANULAR MATERIAL, TYPE A, 12"			SQ YD	2,043.0	0.0	0.0	0.0	0.0	0.0	2,043.0 +	0.0	0.0
35400500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"			SQ YD	34.0	0.0	0.0	0.0	0.0	0.0	34.0 +	0.0	0.0
35600530	BITUMINOUS CONCRETE BASE COURSE WIDENING 13 INCHES			SQ YD	1,101.0	46.0	0.0	0.0	0.0	0.0	1,055.0 +	0.0	0.0
40600100	BITUMINOUS MATERIALS PRIME COAT			GAL	52,037.0	0.0	28,561.0	4,103.3	1,346.0	2,163.0	1,879.0	2,346.0	2,482.0
40600300	AGGREGATE PRIME COAT			TON	4.0	0.0	0.0	0.0	0.0	0.0	4.0 +	0.0	0.0
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS			TON	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
40600895	CONSTRUCT TEST STRIP			EACH	4.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
40600990	TEMPORARY RAMP			SQ YD	5,457.0	0.0	3,173.0	480.0	260.0	389.0	413.0	502.0	240.0
42001165	BRIDGE APPROACH PAVEMENT			SQ YD	385.0	385.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)			SQ YD	255.0	255.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42400200	PCC SIDEWALK, 5"			SQ FT	2,500.0	0.0	0.0	0.0	0.0	0.0	2,500.0 +	0.0	0.0
42400800	DETECTABLE WARNINGS			SQ FT	20.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
44000005	BITUMINOUS SURFACE REMOVAL, 1 1/4"			SQ YD	149,517.0	0.0	149,517.0	0.0	0.0	0.0	0.0	0.0	0.0
44000006	BITUMINOUS SURFACE REMOVAL, 1 1/2"			SQ YD	141,549.0	0.0	0.0	41,015.0	13,461.0	21,628.0	17,163.0	23,462.0	24,820.0
44000500	COMBINATION CONC. CURB AND GUTTER REMOVAL			FOOT	730.0	0.0	0.0	0.0	0.0	0.0	730.0 +	0.0	0.0
44000600	SIDEWALK REMOVAL			SQ FT	2,500.0	0.0	0.0	0.0	0.0	0.0	2,500.0 +	0.0	0.0
44002805	ISLAND REMOVAL			SQ FT	362.0	0.0	0.0	0.0	0.0	0.0	362.0 +	0.0	0.0
44004250	PAVED SHOULDER REMOVAL			SQ YD	578.0	0.0	0.0	0.0	0.0	0.0	578.0 +	0.0	0.0
44201474	CLASS "C" PATCH, TYPE 1			SQ YD	3.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
48100700	AGGREGATE SHOULDERS, TY A, 8"			SQ YD	145.0	0.0	0.0	0.0	0.0	0.0	145.0 +	0.0	0.0
48202600	BITUMINOUS SHOULDERS SUPERPAVE 8"			SQ YD	384.0	0.0	0.0	0.0	0.0	0.0	384.0 +	0.0	0.0
50102400	CONCRETE REMOVAL			CU YD	371.3	371.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50200100	STRUCTURE EXCAVATION			CU YD	420.0	420.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50300225	CONCRETE STRUCTURE			CU YD	69.8	69.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50300255	CONCRETE SUPER STRUCTURE			CU YD	22.7	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
* 50500105	FURNISH AND ERECT STRUCTURAL STEEL			L SUM	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
* 50501110	STRUCTURAL STEEL REMOVAL			POUND	43,270.0	43,270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50800205	REINFORCEMENT BARS, EPOXY COATED			POUND	13,560.0	13,560.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51205200	TEMPORARY SHEET PILING			SQ FT	430.0	430.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55021600	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 12"			FOOT	8.0	0.0	0.0	0.0	0.0	0.0	8.0 +	0.0	0.0

* SPECIALTY ITEMS Δ SFTY-3N ○ Y031-1F (HS FUNDS) + I000-1A (HS FUNDS)

PLOT DATE = 11/18/2005
 FILE NAME = c:\projects\1007008 (08)\work\p
 PLOT SCALE = 200000 / IN.
 USER NAME = PHILLIP

SUMMARY OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	7

URBAN FAI-74 MULTILANE ROADWAY IMPROVEMENTS								
BRIDGE REPAIR	90% FEDERAL 10% STATE FAI-74 I000							
90% FED 10% STATE SFTY-2A	SN 010-0021	MAIN LINE	I-57 RAMP	PROSPECT RAMP	NEIL ST RAMP	LINCOLN AVE RAMP	U. S. 45 RAMP	U. S. 150 RAMP

CONSTRUCTION TYPE CODE

LOCATION OF WORK

CODE NO	ITEM	UNIT	QUANTITY	SN 010-0021	MAIN LINE	I-57 RAMP	PROSPECT RAMP	NEIL ST RAMP	LINCOLN AVE RAMP	U. S. 45 RAMP	U. S. 150 RAMP
60100060	CONCRETE HEADWALL FOR PIPE DRAIN	EACH	1.0	0.0	0.0	0.0	0.0	0.0	1.0 +	0.0	0.0
60107600	PIPE UNDERDRAINS, 4"	FOOT	550.0	0.0	0.0	0.0	0.0	0.0	550.0 +	0.0	0.0
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	20.0	0.0	0.0	0.0	0.0	0.0	20.0 +	0.0	0.0
60260100	INLETS ADJUSTMENT	EACH	8.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
60262700	INLETS TO BE RECONSTRUCTED	EACH	2.0	0.0	0.0	0.0	0.0	0.0	2.0 +	0.0	0.0
60300105	ADJUST FRAMES AND GRATES	EACH	7.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
60605000	COMBINATION CONC. CURB AND GUTTER, TY B-6.24	FOOT	730.0	0.0	0.0	0.0	0.0	0.0	730.0 +	0.0	0.0
* 63000000	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	330.0	0.0	330.0	0.0	0.0	0.0	0.0	0.0	0.0
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	31.0	0.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	14.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	19.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0
* 63200310	GUARDRAIL REMOVAL	FOOT	1,386.0	0.0	1,386.0	0.0	0.0	0.0	0.0	0.0	0.0
* 63300205	REMOVE AND REINSTALL EXISTING STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	41.0	41.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64200105	SHOULDER RUMBLE STRIP	FOOT	132,751.0	0.0	132,751.0	0.0	0.0	0.0	0.0	0.0	0.0
66410400	CHAIN LINK FENCE REMOVE AND REERECT	FOOT	39.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67000400	ENGINEERS FIELD OFFICE, TYPE A	CAL MO	10.0	0.0	10.0	0.0	0.0	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	0.0	0.0
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	28.0	1.0	0.0	8.0	3.0	4.0	4.0	4.0	4.0
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70100805	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	L SUM	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70101800	TRAFFIC CONTROL AND PROTECTION, SPECIAL	L SUM	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	25.0	10.0	0.0	0.0	0.0	0.0	15.0 +	0.0	0.0
70300100	SHORT TERM PAVMENT MARKING	FOOT	44,117.0	1,373.0	30,613.0	2,369.0	1,638.0	1,911.0	2,013.0	1,722.0	2,478.0
70300610	TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS	SQ FT	780.0	0.0	0.0	0.0	109.2	343.2	234.0	93.6	0.0
70300625	TEMPORARY PAINT PAVEMENT MARKING, LINE 4"	FOOT	178,331.0	45,359.0	85,821.0	15,644.0	4,670.0	5,627.0	6,781.0	7,547.0	6,882.0
70300735	TEMPORARY PAINT PAVEMENT MARKING 6" WHITE	FOOT	511.0	0.0	0.0	0.0	286.0	0.0	133.0	92.0	0.0
70300740	TEMPORARY PAINT PAVEMENT MARKING 8" WHITE	FOOT	39,874.0	0.0	17,805.0	5,944.0	2,176.0	4,555.0	4,478.0	3,214.0	1,702.0
70300745	TEMPORARY PAINT PAVEMENT MARKING 12" WHITE	FOOT	2,253.0	0.0	0.0	0.0	541.0	763.0	661.0	288.0	0.0
70300760	TEMPORARY PAINT PAVEMENT MARKING 24" WHITE	FOOT	529.0	0.0	0.0	0.0	59.0	162.0	135.0	173.0	0.0
70300825	TEMPORARY PAINT PAVEMENT MARKING 4" YELLOW	FOOT	102,837.0	0.0	78,578.0	7,835.0	1,984.0	2,347.0	3,083.0	4,341.0	4,669.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	22,243.0	15,119.0	7,124.0	0.0	0.0	0.0	0.0	0.0	0.0
70400100	TEMPORARY CONCRETE BARRIER	FOOT	875.0	875.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	825.0	825.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73700100	REMOVE GROUND-MOUNTED SIGN SUPPORT	EACH	3.0	0.0	0.0	0.0	0.0	0.0	3.0 +	0.0	0.0
*78003110	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, LINE 4"	FOOT	24,237.0	0.0	23,097.0	0.0	160.0	320.0	260.0	400.0	0.0
*78008300	POLYUREA PAVEMENT MARKING, TYPE II - LETTERS & SYMBOLS	SQ FT	780.0	0.0	0.0	0.0	109.0	343.0	234.0	94.0	0.0
*78008310	POLYUREA PAVEMENT MARKING, TYPE II, LINE 4"	FOOT	214,353.0	3,710.0	141,303.0	23,479.0	6,494.0	7,654.0	8,674.0	11,488.0	11,551.0
*78008330	POLYUREA PAVEMENT MARKING, TYPE II - LINE 6"	FOOT	511.0	0.0	0.0	0.0	286.0	0.0	133.0	92.0	0.0
*78008340	POLYUREA PAVEMENT MARKING, TYPE II, LINE 8"	FOOT	39,874.0	0.0	17,805.0	5,944.0	2,176.0	4,555.0	4,478.0	3,214.0	1,702.0
*78008350	POLYUREA PAVEMENT MARKING, TYPE II - LINE 12"	FOOT	2,253.0	0.0	0.0	0.0	541.0	763.0	661.0	288.0	0.0

* SPECIALTY ITEMS Δ SFTY-3N ○ Y031-1F (HS FUNDS) + I000-1A (HS FUNDS)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	8

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE

LOCATION OF WORK

BRIDGE REPAIR	URBAN						
	FAI-74 MULTILANE ROADWAY IMPROVEMENTS						
	90% FEDERAL 10% STATE FAI-74 1000						
90% FED 10% STATE SFTY-2A SN 010-0021	MAIN LINE	I-57 RAMP	PROSPECT RAMP	NEIL ST RAMP	LINCOLN AVE RAMP	U. S. 45 RAMP	U. S. 150 RAMP

CODE NO	ITEM	UNIT	QUANTITY	0.0	0.0	0.0	59.0	162.0	135.0	173.0	0.0
*78008370	POLYUREA PAVEMENT MARKING, TYPE II - LINE 24"	FOOT	529.0	0.0	0.0	0.0	59.0	162.0	135.0	173.0	0.0
*78100100	RAISED REFLECTIVE PAVEMENT MARKERS	EACH	3,206.0	0.0	2,479.0	183.0	57.0	81.0	125.0	125.0	156.0
78200410	GUARDRAIL MARKERS, TYPE A	EACH	56.0	0.0	56.0	0.0	0.0	0.0	0.0	0.0	0.0
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	33.0	0.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0
78300100	PAVEMENT MARKING REMOVAL	SQ FT	8,083.0	7,863.0	0.0	0.0	0.0	0.0	220.0	0.0	0.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	3,205.0	0.0	2,478.0	183.0	57.0	81.0	125.0	125.0	156.0
○ * 80500100	SERVICE INSTALLATION, TYPE A	EACH	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
* 80800100	TEMPORARY WOOD POLE, 30 FOOT, CLASS 4	EACH	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
○ * 80802100	WOOD POLE, 35 FT., CLASS 4	EACH	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
○ * 81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	202.0	0.0	0.0	0.0	0.0	0.0	202.0	0.0	0.0
○ * 81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	441.0	0.0	0.0	0.0	0.0	0.0	441.0	0.0	0.0
○ * 81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	280.0	0.0	0.0	0.0	0.0	0.0	280.0	0.0	0.0
○ * 81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	134.0	0.0	0.0	0.0	0.0	0.0	134.0	0.0	0.0
○ * 81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	52.0	0.0	0.0	0.0	0.0	0.0	52.0	0.0	0.0
○ * 81013200	CONDUIT IN TRENCH, 6" DIA., PVC	FOOT	10.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
* 81020500	CONDUIT PUSHED, 2" DIA., INTERMEDIATE METAL	FOOT	55.0	0.0	0.0	0.0	0.0	0.0	55.0 +	0.0	0.0
○ * 81021570	CONDUIT, AUGERED, 3" DIA., PVC	FOOT	212.0	0.0	0.0	0.0	0.0	0.0	212.0	0.0	0.0
○ * 81021590	CONDUIT, AUGERED, 4" DIA., PVC	FOOT	95.0	0.0	0.0	0.0	0.0	0.0	95.0	0.0	0.0
○ * 81030100	CONDUIT SPLICE	EACH	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
* 81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	24.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
* 81100800	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GALVANIZED STEEL	FOOT	12.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
* 81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
* 81300420	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 10" X 8" X 6"	EACH	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
* 81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
○ * 81400100	HANDHOLE	EACH	8.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
○ * 81400300	DOUBLE HANDHOLE	EACH	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
* 81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1,159.0	45.0	0.0	0.0	0.0	0.0	1,114.0 ○	0.0	0.0
* 81600315	UNIT DUCT, 2*6XLP, 1*6 XLP GROUND 1" POLYETHYLENE	FOOT	915.0	100.0	0.0	0.0	0.0	0.0	815.0 +	0.0	0.0
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	150.0	150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
* 84100110	REMOVAL OF TEMPORARY LIGHTING UNITS	EACH	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
* 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	4.0	0.0	0.0	0.0	0.0	0.0	4.0 +	0.0	0.0
○ * 85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
○ * 85900100	TRANSCEIVER	EACH	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
○ * 86600010	GULFBOX JUNCTION	EACH	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
○ * 86600020	GULFBOX JUNCTION REMOVAL	EACH	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
○ * 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	435.0	0.0	0.0	0.0	0.0	0.0	435.0	0.0	0.0
○ * 87301235	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 4C	FOOT	450.0	0.0	0.0	0.0	0.0	0.0	450.0	0.0	0.0
○ * 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,575.0	0.0	0.0	0.0	0.0	0.0	1,575.0	0.0	0.0
○ * 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	303.0	0.0	0.0	0.0	0.0	0.0	303.0	0.0	0.0
○ * 87301515	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	3,307.0	0.0	0.0	0.0	0.0	0.0	3,307.0	0.0	0.0
○ * 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	27.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0	0.0
○ * 87502640	TRAFFIC SIGNAL POST, ALUMINUM 10 FT.	EACH	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0

* SPECIALTY ITEMS △ SFTY-3N ○ Y031-1F (HS FUNDS) + I000-1A (HS FUNDS)

SUMMARY OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	9

URBAN FAI-74 MULTILANE ROADWAY IMPROVEMENTS							
BRIDGE REPAIR	90% FEDERAL 10% STATE SFTY-2A						
90% FED 10% STATE SFTY-2A	90% FEDERAL 10% STATE FAI-74 I000						
SN 010-0021	MAIN LINE	I-57 RAMP	PROSPECT RAMP	NEIL ST RAMP	LINCOLN AVE RAMP	U. S. 45 RAMP	U. S. 150 RAMP

CONSTRUCTION TYPE CODE	LOCATION OF WORK	UNIT	QUANTITY	SN 010-0021	MAIN LINE	I-57 RAMP	PROSPECT RAMP	NEIL ST RAMP	LINCOLN AVE RAMP	U. S. 45 RAMP	U. S. 150 RAMP
○ *	87502660	TRAFFIC SIGNAL POST, ALUMINUM 12 FT	EACH	5.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
○ *	87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
○ *	87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
○ *	87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
○ *	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	24.8	0.0	0.0	0.0	0.0	24.8	0.0	0.0
○ *	87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3.5	0.0	0.0	0.0	0.0	3.5	0.0	0.0
○ *	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	23.5	0.0	0.0	0.0	0.0	23.5	0.0	0.0
○ *	88200100	TRAFFIC SIGNAL BACKPLATE	EACH	4.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
○ *	88500100	INDUCTIVE LOOP DETECTOR	EACH	14.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0
*	88600100	DETECTOR LOOP, TYPE I	FOOT	3,689.0	0.0	0.0	850.0	895.0	1,108.0	836.0	0.0
○ *	88800100	PEDESTRIAN PUSH-BUTTON	EACH	2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	6,916.0	100.0	0.0	0.0	0.0	6,816.0	0.0	0.0
*	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	979.0	24.0	0.0	0.0	0.0	955.0	0.0	0.0
○ *	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
○ *	89502380	REMOVE EXISTING HANDHOLE	EACH	8.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
○ *	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	11.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0
*	X0301503	RELOCATE EXISTING METAL POLE FOUNDATION	EACH	4.0	0.0	0.0	0.0	0.0	4.0	+	0.0
	X0321781	MECHANICAL SPLICE	EACH	248.0	248.0	0.0	0.0	0.0	0.0	0.0	0.0
	X0323357	CONCRETE BARRIER REMOVAL AND REPLACEMENT	FOOT	68.0	68.0	0.0	0.0	0.0	0.0	0.0	0.0
	X0323582	REMOTE MESSAGE BOARD	CAL MO	6.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
	X0323583	SPEED INDICATOR SIGN	CAL DA	180.0	0.0	180.0	0.0	0.0	0.0	0.0	0.0
	X0323710	REMOVE CONDUIT ATTACHED TO STRUCTURE	FOOT	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
	X4066413	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N30, LOW ESAL	TON	17,091.0	0.0	12,558.0	1,498.0	398.0	556.0	497.0	718.0
	X4066530	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N105	TON	7,495.0	0.0	0.0	1,947.0	733.0	1,261.0	1,082.0	1,253.0
	X4066540	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "E", N105	TON	25,498.0	0.0	17,453.0	0.0	0.0	0.0	0.0	0.0
	X4401705	PARTIAL DEPTH REMOVAL	SQ YD	351.0	0.0	259.0	71.0	0.0	0.0	21.0	0.0
	X4409400	BITUMINOUS SURFACE REMOVAL, 1 3/4"	SQ YD	227,661.0	0.0	155,839.0	0.0	0.0	0.0	0.0	0.0
	X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	839.0	367.0	360.0	42.0	14.0	14.0	14.0	14.0
○ *	X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	752.0	0.0	0.0	0.0	0.0	752.0	0.0	0.0
○ *	X8801300	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
○ *	X8801310	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
○ *	X8801437	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
○ *	X8810395	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
○ *	XX001909	ELECTRIC CABLE IN CONDUIT NO. 20 3/C	FOOT	390.0	0.0	0.0	0.0	0.0	390.0	0.0	0.0
○ *	XX002192	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE	EACH	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
	Z0002600	BAR SPLICERS	EACH	218.0	218.0	0.0	0.0	0.0	0.0	0.0	0.0
	Z0004800	BITUMINOUS MIXTURE FOR PATCHING	TON	200.0	0.0	145.0	30.0	0.0	0.0	25.0	0.0
	Z0022400	FABRIC REINFORCED ELASTOMERIC TROUGH	FOOT	131.0	131.0	0.0	0.0	0.0	0.0	0.0	0.0
△	Z0030030	IMPACT ATTENUATOR, FULLY REDIRECTIVE, TEST LEVEL 3	EACH	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
	Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
	Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
	Z0040530	PIPE UNDERDRAIN REMOVAL	FOOT	650.0	0.0	0.0	0.0	0.0	650.0	+	0.0
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0

* SPECIALTY ITEMS △ SFTY-3N ○ Y031-1F (HS FUNDS) + I000-1A (HS FUNDS)

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 USER NAME = philipsp

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	9A

SUMMARY OF QUANTITIES

CODE NO	ITEM	CONSTRUCTION TYPE CODE	LOCATION OF WORK	UNIT	URBAN FAI-74 MULTILANE ROADWAY IMPROVEMENTS				
					90% FEDERAL 10% STATE FAI-74 I000-2A (HS FUNDS) +	STA. 1165+57 TO STA. 1226+29	STA. 1235+09 TO STA. 1247+76	STA. 1248+82 TO STA. 1261+49	STA. 1264+66 TO STA. 1277+33
40600100	BITIMINOUS MATERIALS PRIME COAT			GAL	5,696.0	899.0	845.0	1,013.0	704.0
X4066540	POLYMER BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "E", N105			TON	4,168.0	1,008.0	945.0	1,136.0	788.0
X4409400	BITUMINOUS SURFACE REMOVAL, 1 3/4"			SQ YD	37,212.0	8,993.0	8,447.0	10,136.0	7,034.0

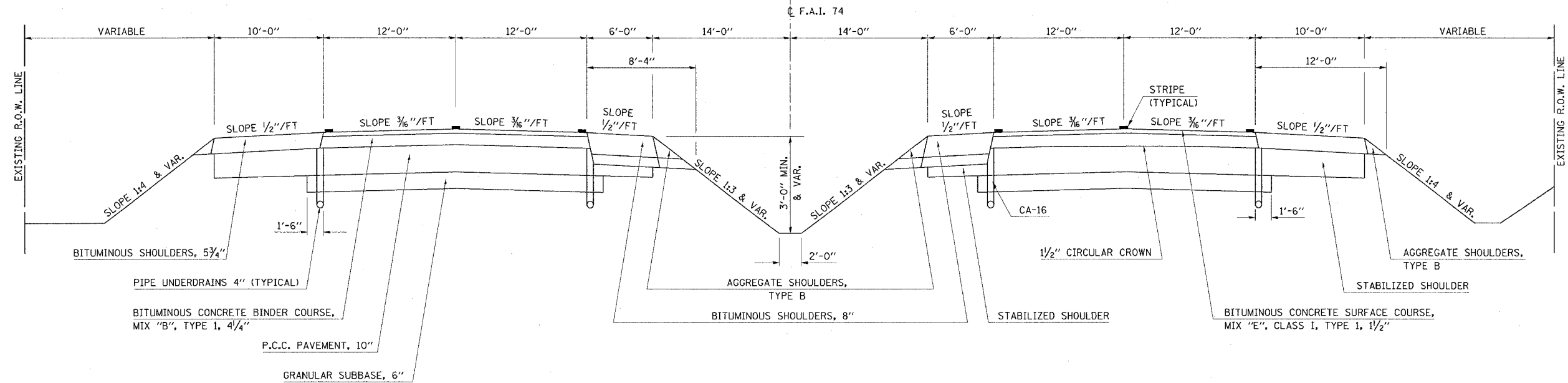
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EXISTING TYPICAL CROSS SECTION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	10

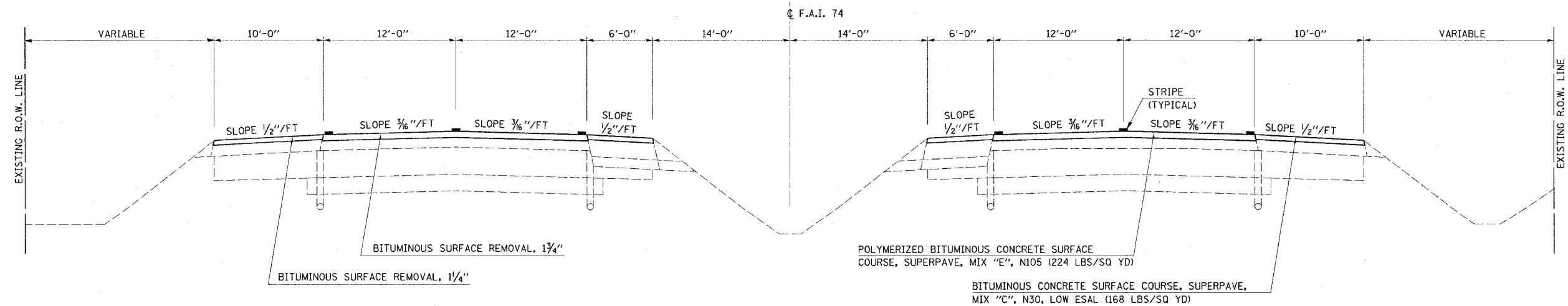
CONTRACT NO. 70141
 • 10K5-1-RS-L14-1(RIRS & 6RS-3)

STATION TO STATION
 1035+75.00 1038+67.40
 1051+15.00 1054+44.50
 1068+34.50 1071+68.00



PROPOSED TYPICAL CROSS SECTION ①

STATION TO STATION
 1035+75.00 1038+67.40 ②
 ② 1051+15.00 1054+44.50 ②
 ② 1068+34.50 1071+68.00 ②

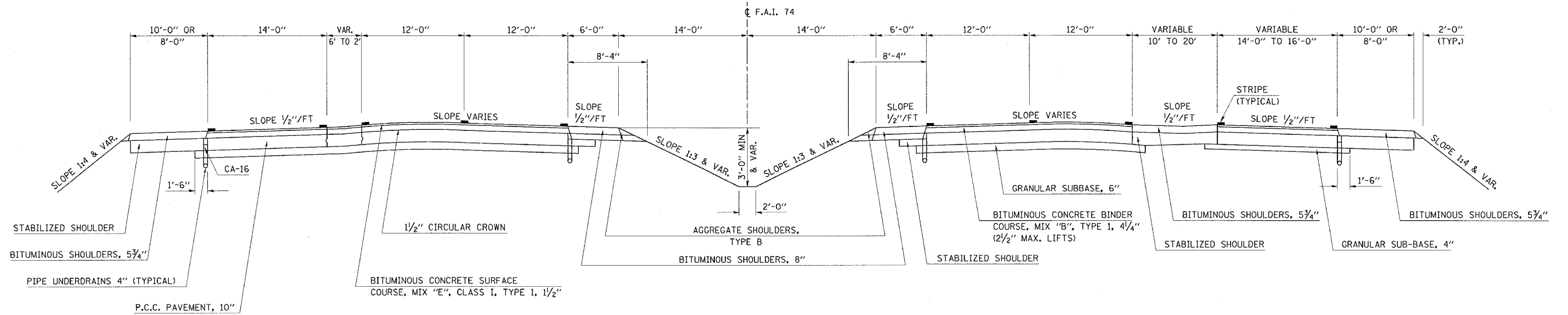


EXISTING TYPICAL CROSS SECTION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	11

CONTRACT NO. 70141
 • 1015-1-RS-1,14-1(R)RS & 6RS-3)

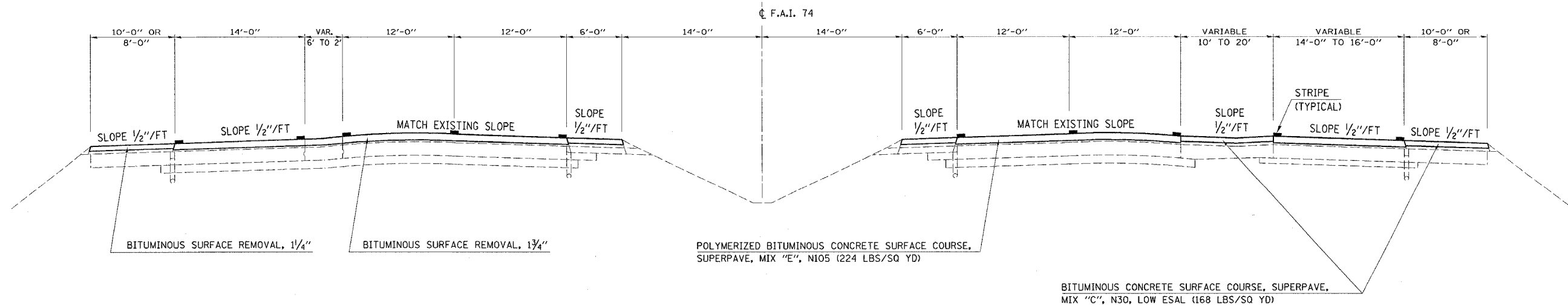
STATION	TO	STATION
1038+67.40		1051+15.00
1054+44.50		1068+34.50
1071+68.00		1084+08.00



PROPOSED TYPICAL CROSS SECTION ②

STATION	TO	STATION
① 1038+67.40		① 1051+15.00
① 1054+44.50		① 1068+34.50
① 1071+68.00		③ 1084+08.00

PAVING OMISSIONS: S.N. 010-0018/19
 EB STA 1059+55.66 TO STA 1063+15.83
 WB STA 1059+63.67 TO STA 1063+24.84

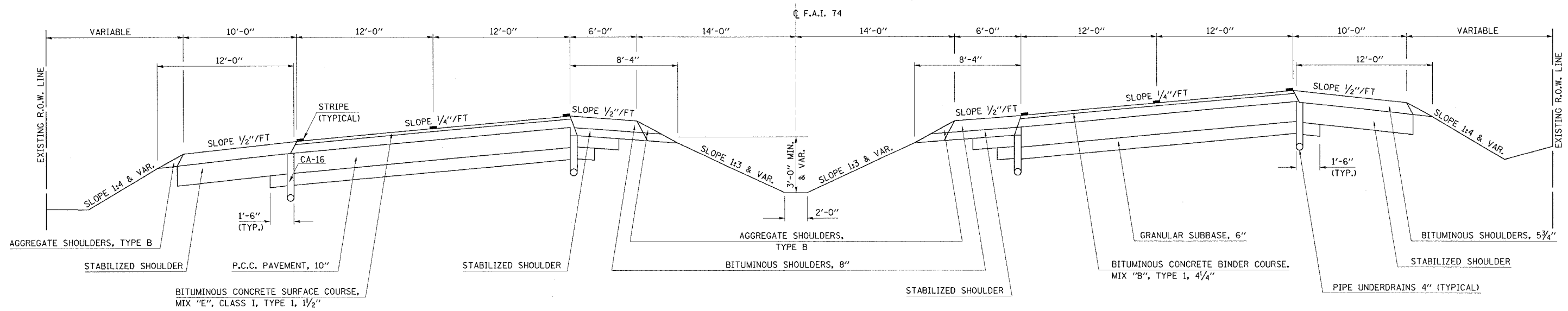


EXISTING TYPICAL CROSS SECTION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	12

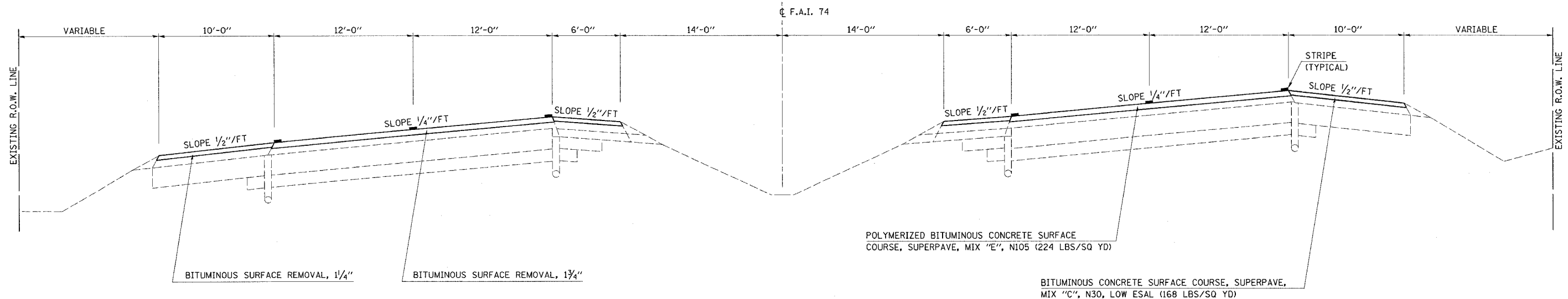
CONTRACT NO. 70141
• 10C5-1-RS-1,14-1(R)RS & 6RS-3)

STATION 1084+08.00 TO STATION 1099+51.43



PROPOSED TYPICAL CROSS SECTION ③

STATION ② 1084+08.00 TO STATION ④ 1099+51.43

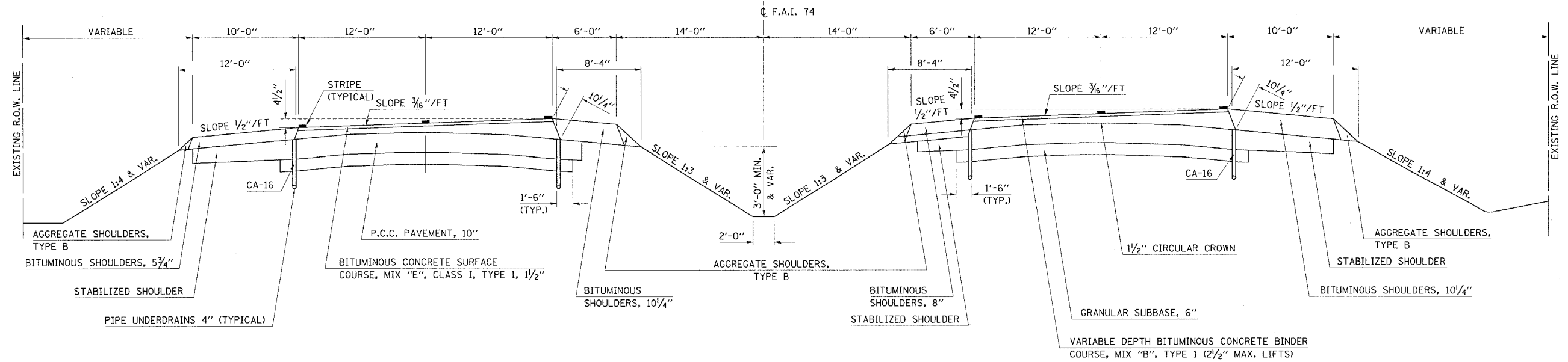


EXISTING TYPICAL CROSS SECTION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	13

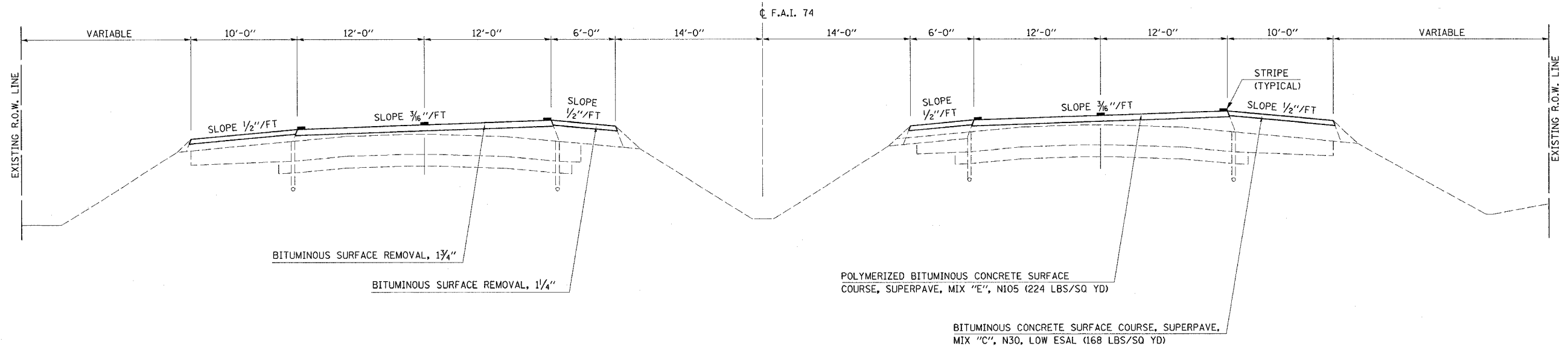
CONTRACT NO. 70141
 • 10/5-1-RS-1.14-1(R)RS & 6RS-3)

STATION 1099+51.43 TO STATION 1116+50.00



PROPOSED TYPICAL CROSS SECTION ④

STATION ③ 1099+51.43 TO STATION 1116+50.00 ⑤



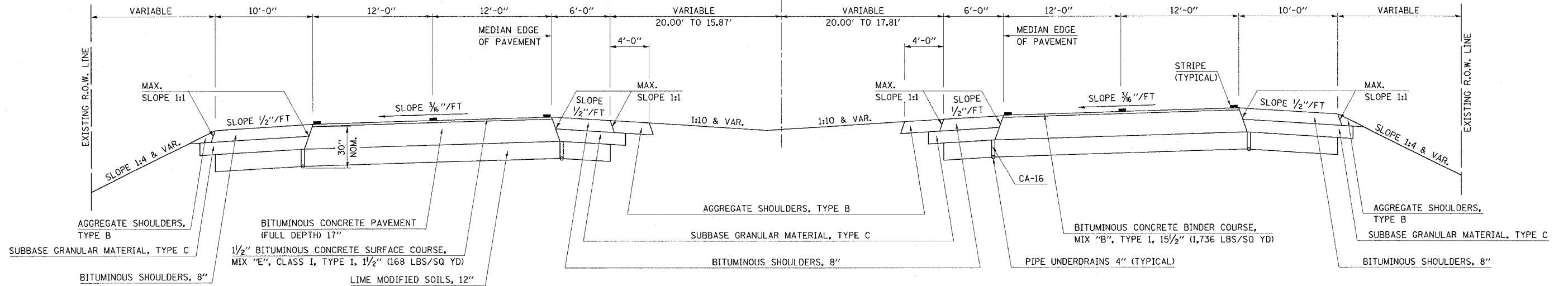
EXISTING TYPICAL CROSS SECTION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	14

CONTRACT NO. 70141
 • 1015-1-RS-1,14-1(RRS & 6RS-3)

STATION 1116+50.00 TO STATION 1120+00.00

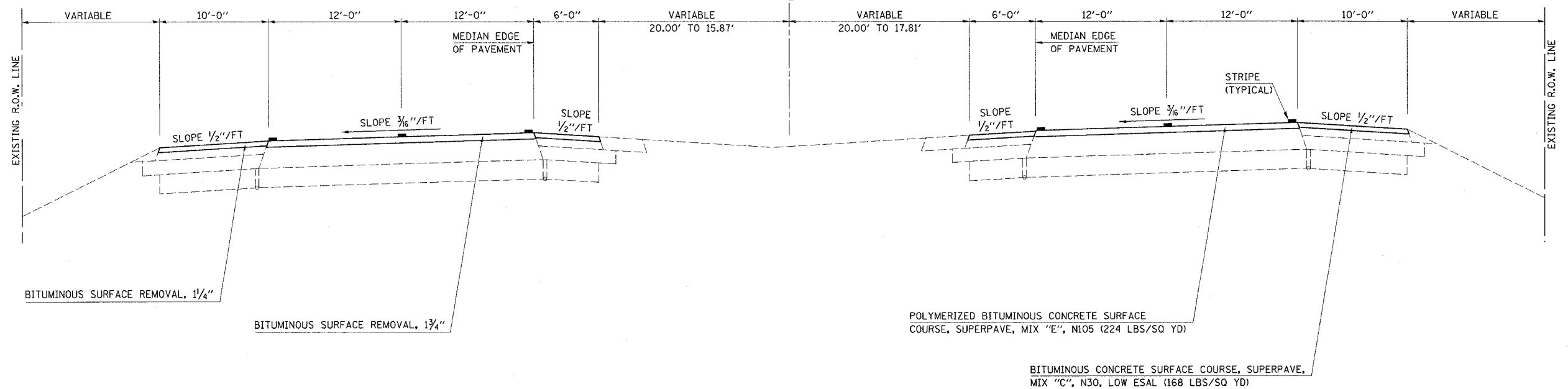
± F.A.I. 74



PROPOSED TYPICAL CROSS SECTION ⑤

STATION ④ 1116+50.00 TO STATION ⑥ 1120+00.00

± F.A.I. 74

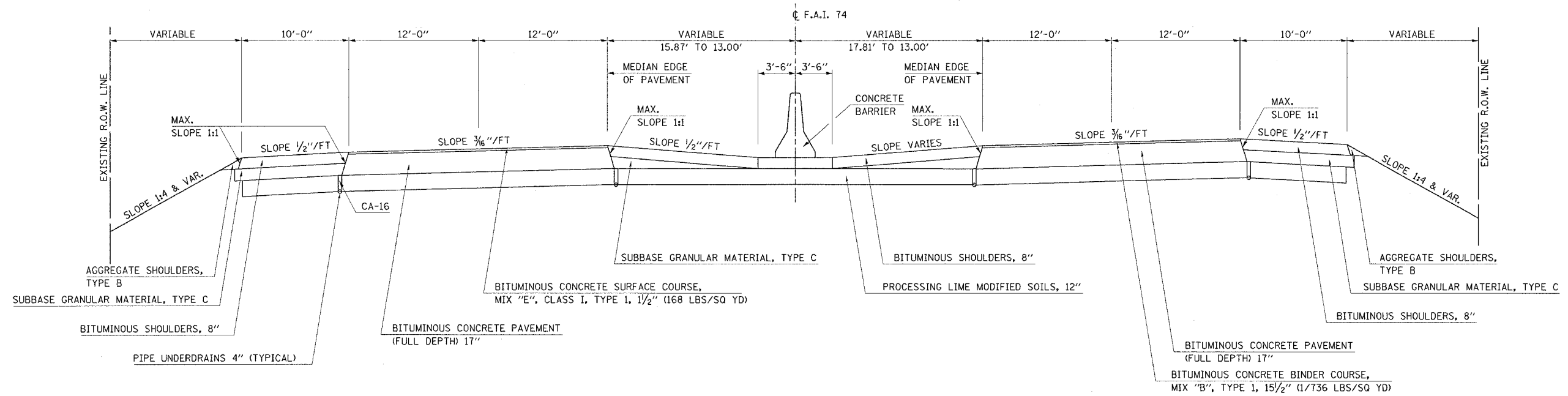


EXISTING TYPICAL CROSS SECTION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	15

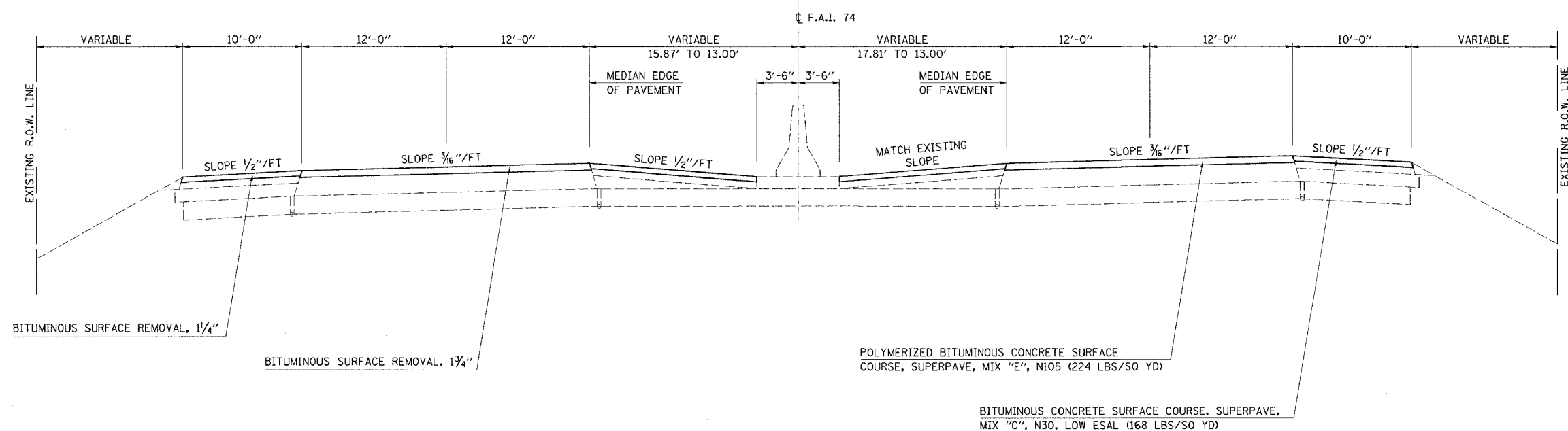
CONTRACT NO. 70141
• 1045-1-RS-1,14-1(R)RS & 6RS-3)

STATION 1120+00.00 TO STATION 1124+00.00



PROPOSED TYPICAL CROSS SECTION ⑥

STATION ⑤ 1120+00.00 TO STATION ⑦ 1124+00.00



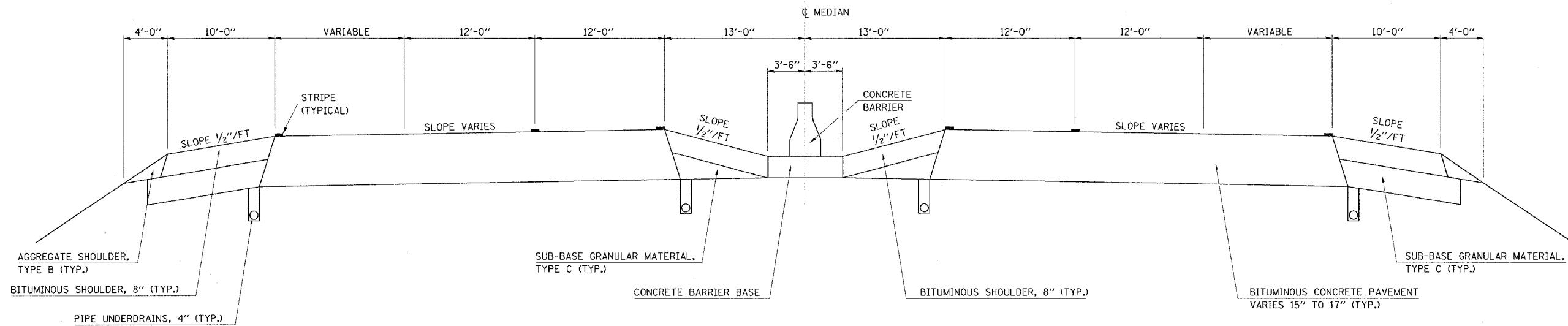
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	16

CONTRACT NO. 70141
• 1015-1-RS-1,14-1(R)RS & 6RS-3)

EXISTING TYPICAL CROSS SECTION

2 LANES AT RAMPS AND TRANSITIONS

STATION	TO	STATION
1124+00.00		1161+60.00
1236+00.00		1272+00.00
1296+00.00		1350+00.00

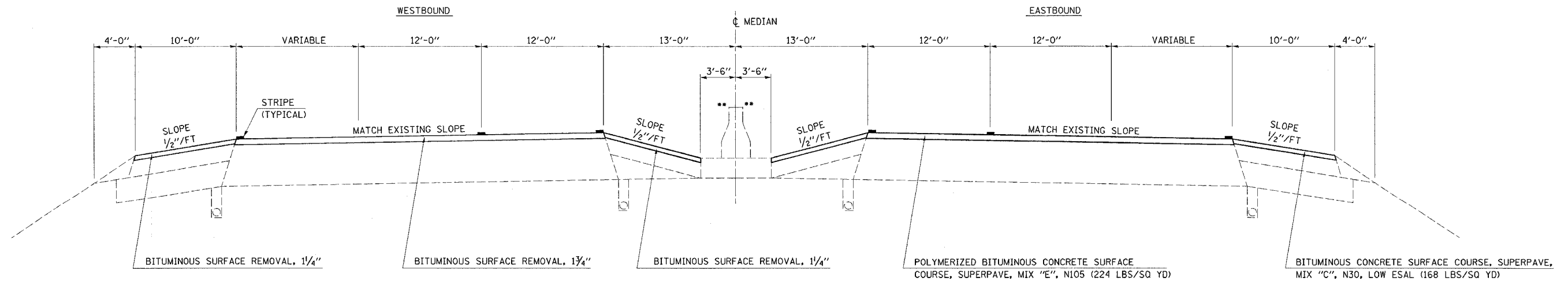


PROPOSED TYPICAL CROSS SECTION 7

2 LANES AT RAMPS AND TRANSITIONS

PAVING OMISSIONS: S.N. 010-0024
 EB STA 1320+35.74 TO STA 1322+80.08
 WB STA 1320+43.38 TO STA 1322+86.74

STATION	TO	STATION
⑥ 1124+00.00		1161+60.00 ⑧
⑧ 1236+00.00		1272+00.00 ⑧
⑧ 1296+00.00		1350+00.00 ⑩



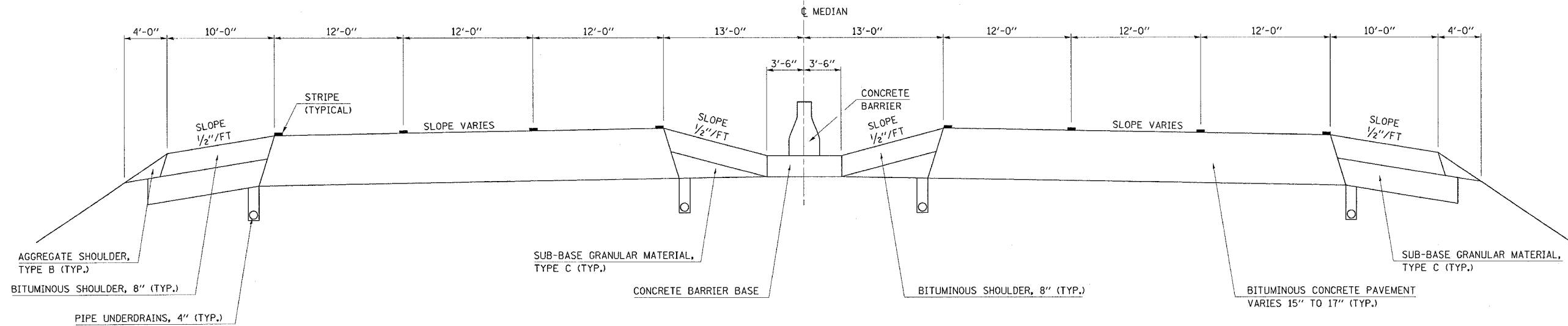
** CONCRETE MEDIAN BARRIER ENDS AT STA. 1345+00.00 & BITUMINOUS SHOULDER TRANSITIONS STA. 1345+00.00 TO STA. 1350+00.00

EXISTING TYPICAL CROSS SECTION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	17

CONTRACT NO. 70141
• 10(5-1-RS-1.14-(R)RS & 6RS-3)

STATION	TO	STATION
1161+60.00		1167+00.00
1200+78.85		1236+00.00
1272+00.00		1296+00.00



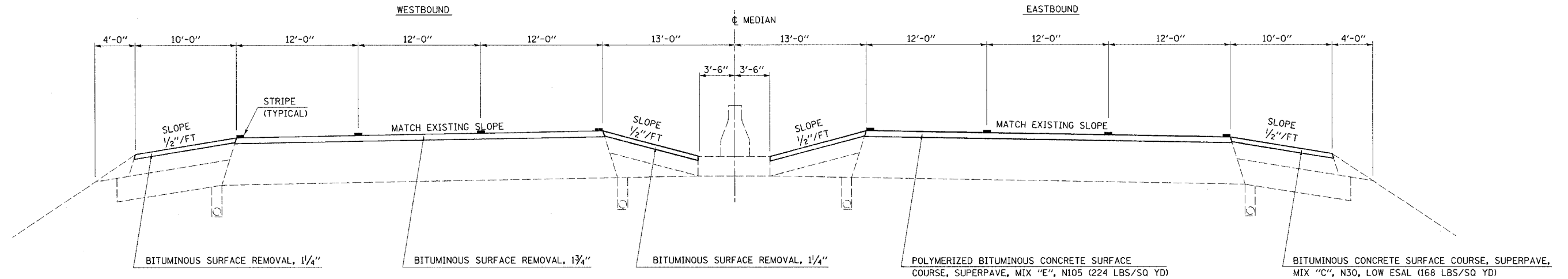
PROPOSED TYPICAL CROSS SECTION (8)

(3 LANE)

STATION	TO	STATION
⑦ 1161+60.00		⑨ 1167+00.00
⑨ 1200+78.85		⑧ 1236+00.00
⑧ 1272+00.00		⑧ 1296+00.00

PAVING OMISSIONS:

S. N. 010-0020	EB STA 1198+83.64 TO STA 1201+28.89
	WB STA 1198+83.35 TO STA 1201+29.29
S. N. 010-0021	EB STA 1214+77.68 TO STA 1223+01.68
	WB STA 1214+97.95 TO STA 1223+22.59
S. N. 010-0022/23	EB STA 1279+20.00 TO STA 1280+70.00
	WB STA 1279+10.00 TO STA 1280+60.00

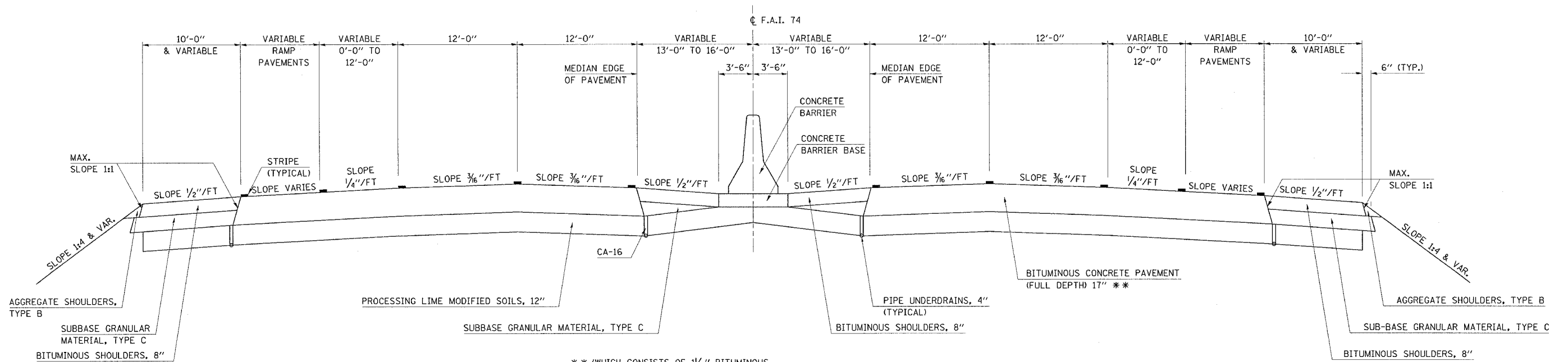


EXISTING TYPICAL CROSS SECTION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	18

CONTRACT NO. 70141
 • 1015-1-RS-1.14-1(R/R/S & 6RS-3)

STATION TO STATION
 1167+00.00 1200+78.85

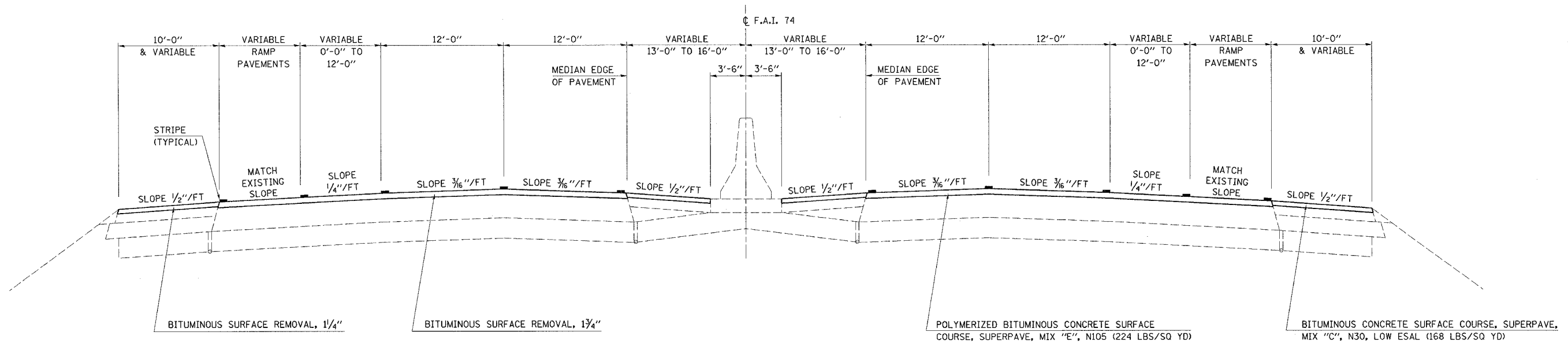


** (WHICH CONSISTS OF 1/2" BITUMINOUS CONCRETE SURFACE COURSE, MIX "E", CLASS I, TYPE 1 AND 1 1/2" BITUMINOUS CONCRETE BINDER COURSE, MIX "B", TYPE 1)

PROPOSED TYPICAL CROSS SECTION ⑨

PAVING OMISSIONS: S. N. 010-0020
 EB STA 1198+83.64 TO STA 1201+28.89
 WB STA 1198+83.35 TO STA 1201+29.29

STATION TO STATION
 ⑧ 1167+00.00 1200+78.85 ⑧

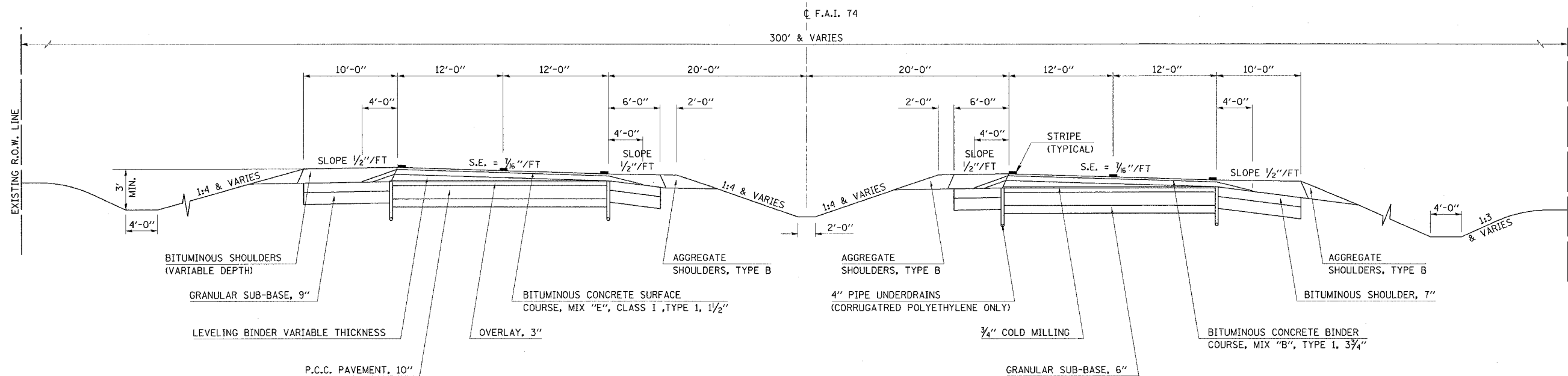


EXISTING TYPICAL CROSS SECTION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	19

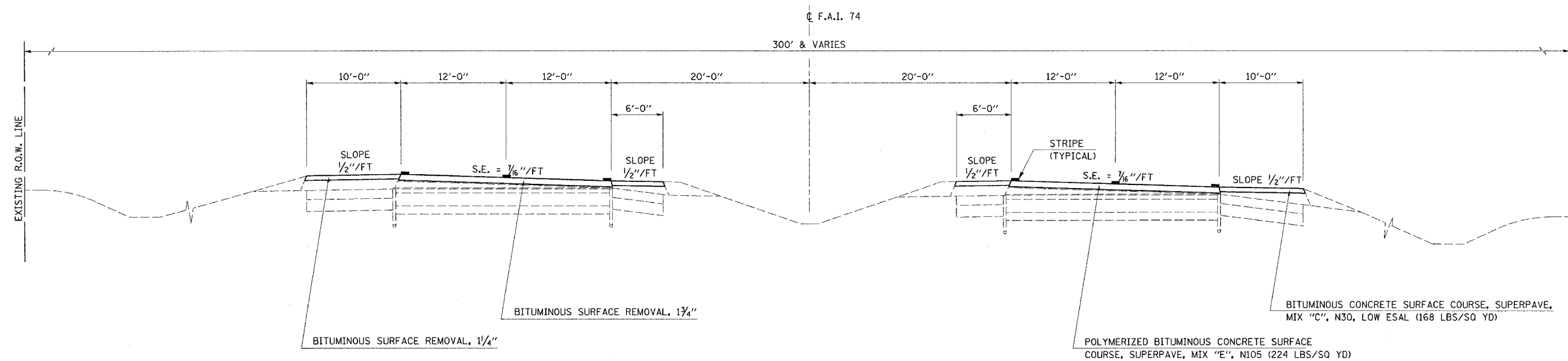
CONTRACT NO. 70141
 10(5-1-RS-1,14-1(RRS & 6RS-3)

STATION 1350+00.00 TO STATION 1360+00.00



PROPOSED TYPICAL CROSS SECTION (10)

STATION (7) 1350+00.00 TO STATION (11) 1360+00.00

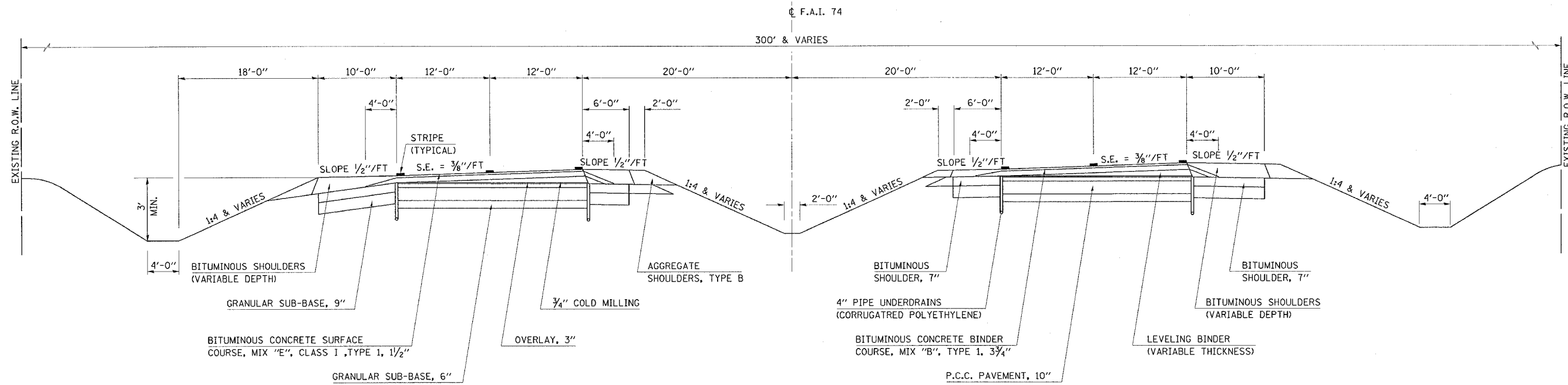


EXISTING TYPICAL CROSS SECTION

STATION TO STATION
1374+00.00 TO 1421+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	21

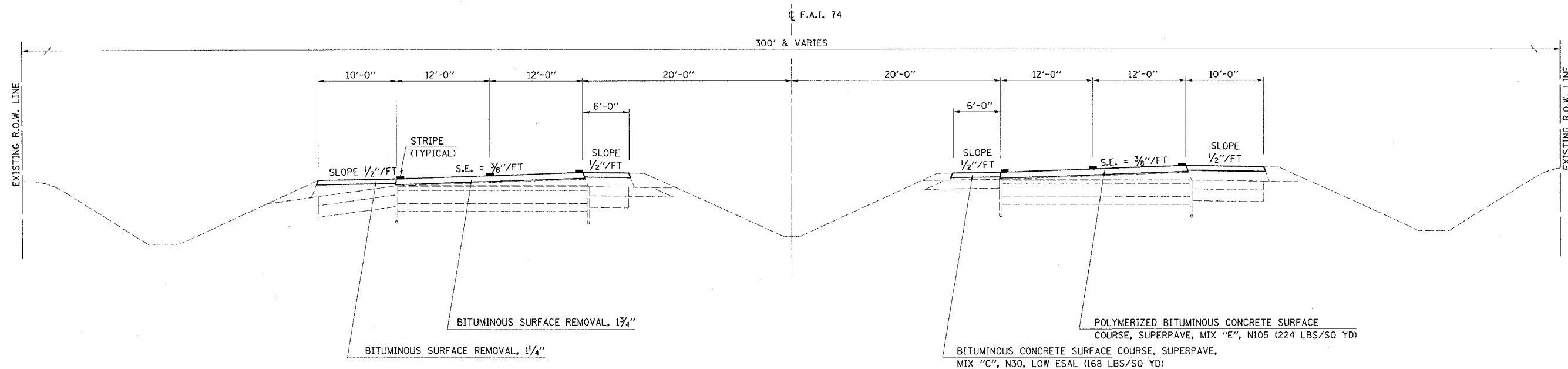
CONTRACT NO. 70141
• 1015-1-RS-1.14-1(RRS & 6RS-3)



PROPOSED TYPICAL CROSS SECTION 12

STATION TO STATION
⑪ 1374+00.00 TO 1421+00.00 ⑫

PAVING OMISSIONS: S.N. 010-0025/26
EB STA 1372+04.45 TO STA 1374+26.36
WB STA 1372+21.57 TO STA 1374+43.88



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	22

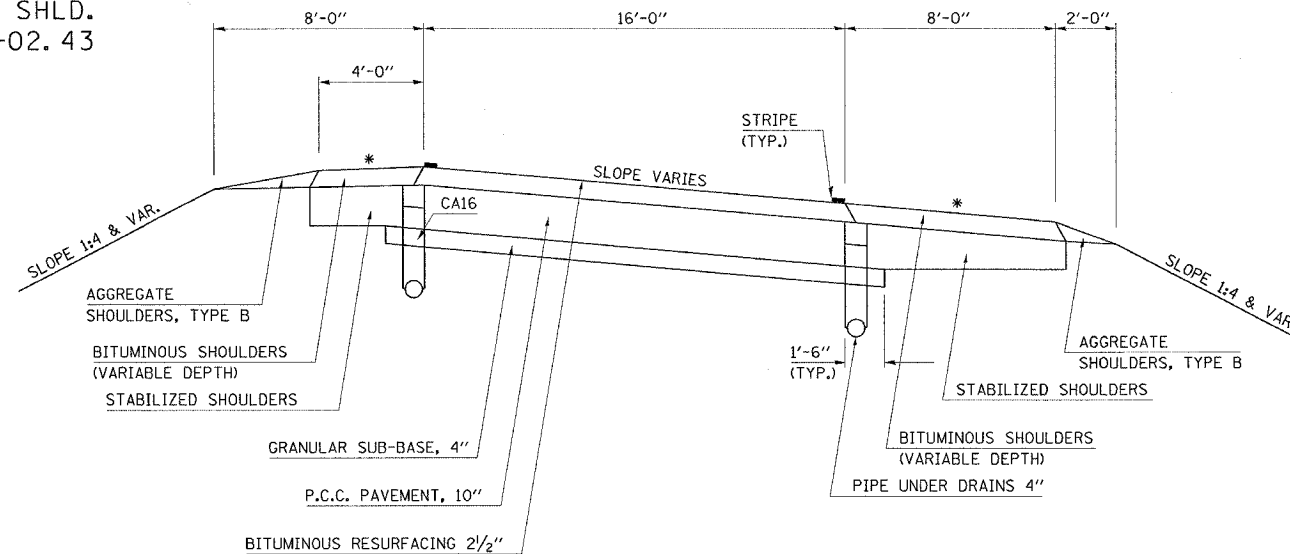
CONTRACT NO. 70141
 • 10K5-1-RS-1,14-1(RRS & 6RS-3)

LOOP I-BD 8' SHLD.
 41+87.17 TO 50+00
 LOOP I-CB 8' SHLD.
 64+00 TO 70+00
 LOOP I-AC 8' SHLD.
 1+87.17 TO 10+00
 LOOP I-DA 8' SHLD.
 23+00 TO 32+13.46
 LOOP I-CB 4' SHLD.
 61+87.17 TO 72+13.46
 LOOP I-DA 4' SHLD.
 21+87.17 TO 32.13.46

RAMP I-CA 4' SHLD.
 206+62.40 TO 222+79.87
 RAMP I-BC 4' SHLD.
 166+62.40 TO 181+37.36
 RAMP I-DB 4' SHLD.
 132+00 TO 142+78.87
 LOOP I-BD 4' SHLD.
 41+87.17 TO 52+02.43
 LOOP I-AC 4' SHLD.
 1+87.17 TO 12+02.43

EXISTING TYPICAL CROSS SECTION

BITUMINOUS (VAR. DEPTH) SHOULDERS
 RAMPS AT I-57



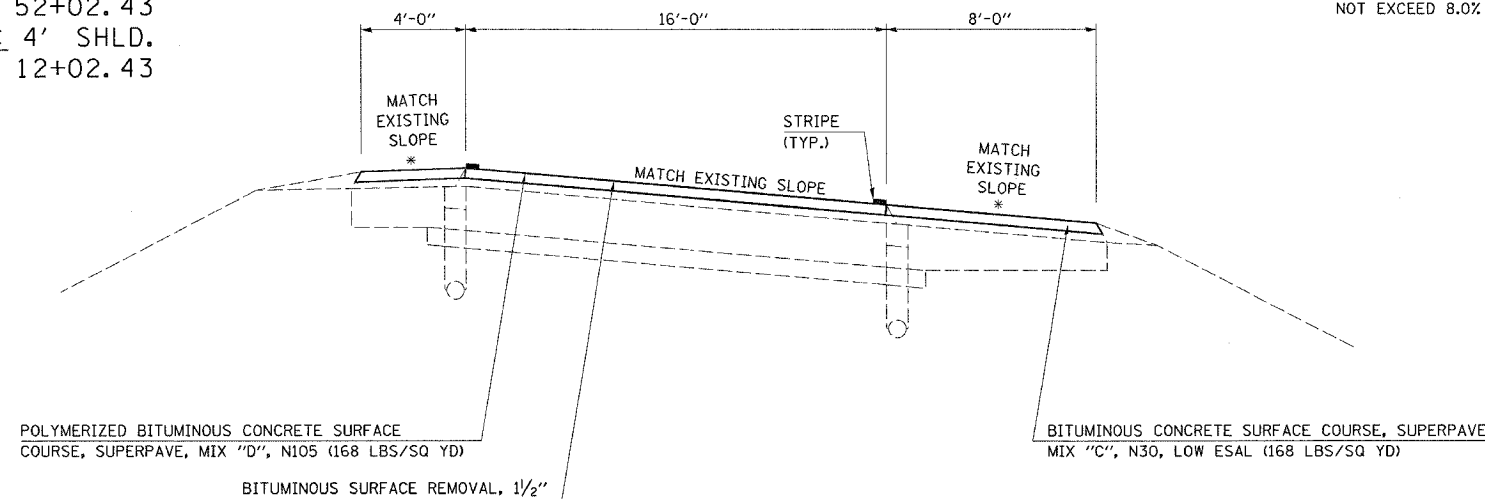
* = THE ALGEBRAIC DIFFERENCE BETWEEN THE RAMP PAVEMENT SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8.0%

LOOP I-BD 8' SHLD.
 41+87.17 TO 50+00
 LOOP I-CB 8' SHLD.
 64+00 TO 70+00
 LOOP I-AC 8' SHLD.
 1+87.17 TO 10+00
 LOOP I-DA 8' SHLD.
 23+00 TO 32+13.46
 LOOP I-CB 4' SHLD.
 61+87.17 TO 72+13.46
 LOOP I-DA 4' SHLD.
 21+87.17 TO 32.13.46

RAMP I-CA 4' SHLD.
 206+62.40 TO 222+79.87
 RAMP I-BC 4' SHLD.
 166+62.40 TO 181+37.36
 RAMP I-DB 4' SHLD.
 132+00 TO 142+78.87
 LOOP I-BD 4' SHLD.
 41+87.17 TO 52+02.43
 LOOP I-AC 4' SHLD.
 1+87.17 TO 12+02.43

PROPOSED TYPICAL CROSS SECTION

BITUMINOUS (VAR. DEPTH) SHOULDERS
 RAMPS AT I-57



* = THE ALGEBRAIC DIFFERENCE BETWEEN THE RAMP PAVEMENT SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8.0%

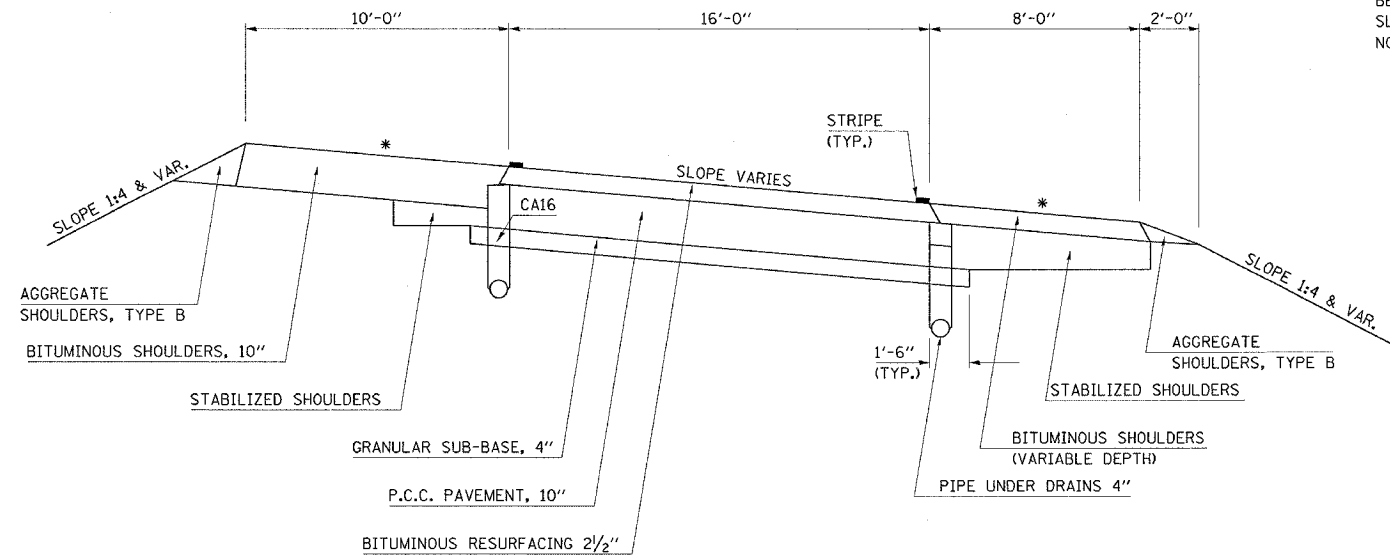
EXISTING TYPICAL CROSS SECTION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	23

CONTRACT NO. 70141
 * 10G-1-RS-1,14-1(R)RS & 6RS-3)

RAMPS AT I-57
 RAMP I-AD

STATION TO STATION
 87+55.00 100+40.00

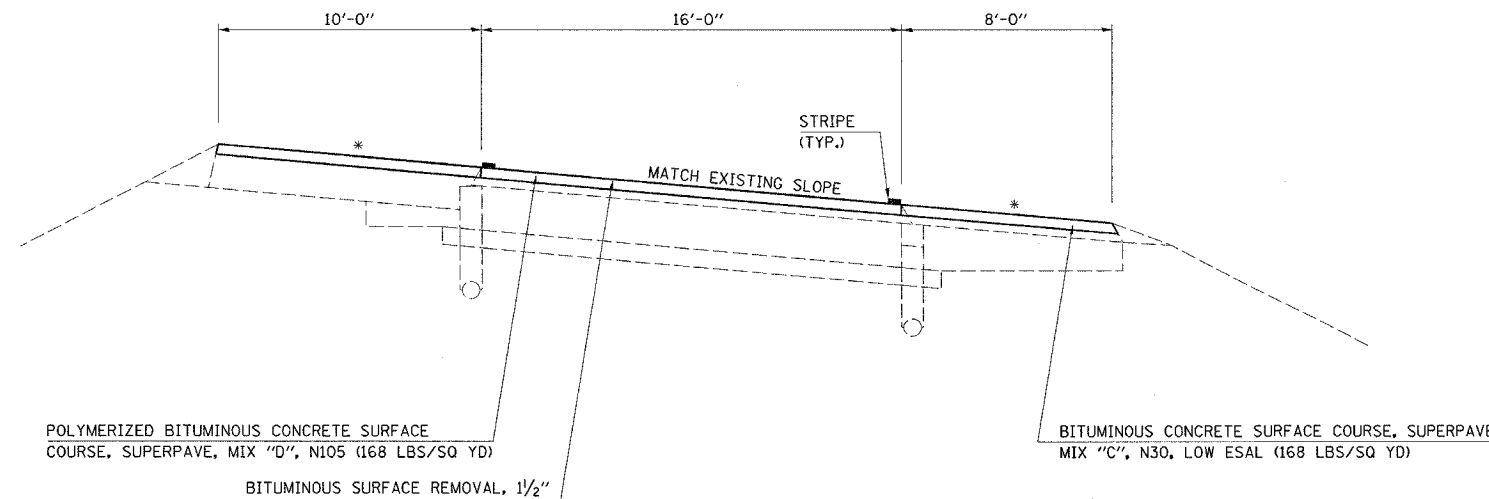


* = THE ALGEBRAIC DIFFERENCE BETWEEN THE RAMP PAVEMENT SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8.0%

PROPOSED TYPICAL CROSS SECTION

RAMPS AT I-57
 RAMP I-AD

STATION TO STATION
 87+55.00 100+40.00



* = THE ALGEBRAIC DIFFERENCE BETWEEN THE RAMP PAVEMENT SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8.0%

NOTE "A"

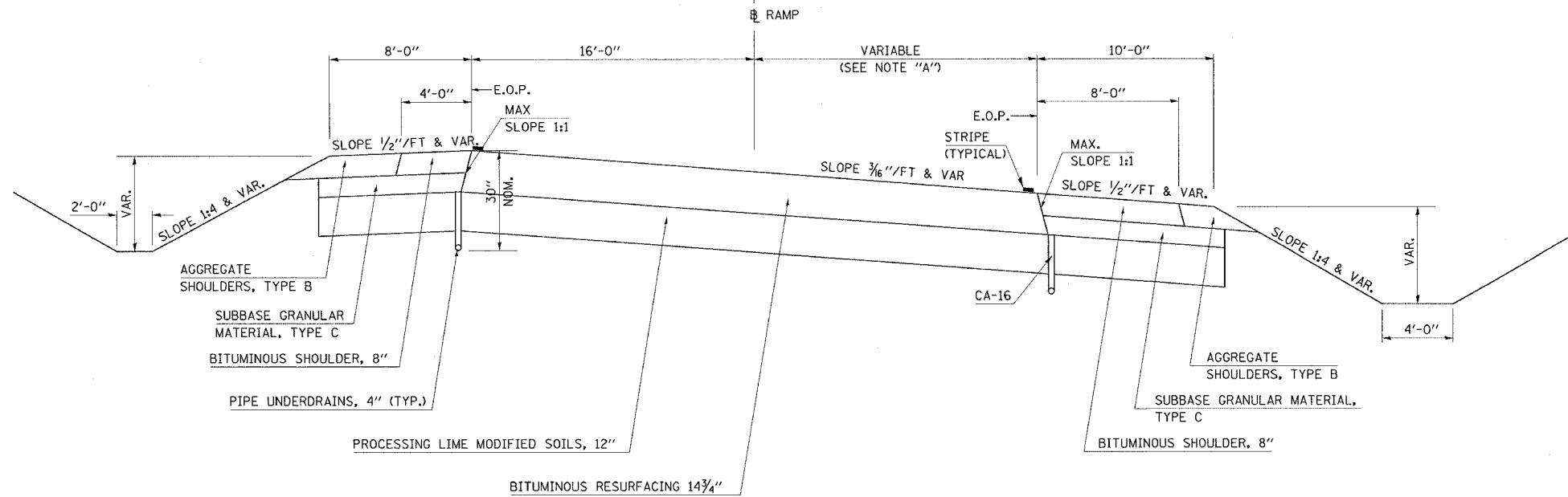
EXISTING TYPICAL CROSS SECTION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	24

CONTRACT NO. 70141
• 1015-1-RS-1,14-L(R)RS & 6RS-3)

RAMP "A"	RAMP "B"	RAMP "D"
16' AT STA. 11+06.53	0' AT STA. 18+13.48	6' AT STA. 51+06.26
3.97' AT STA. 16+99.02	0' AT STA. 23+33.48	0' AT STA. 54+06.26
0' AT STA. 19+06.53	20' AT STA. 27+83.48	0' AT STA. 61+09.48
0' AT STA. 21+47.49	20' AT STA. 28+67.62	

RAMPS AT PROSPECT		
RAMP	STATION	TO STATION
RAMP "A"	11+06.53	21+47.49
RAMP "B"	18+13.43	20+85.00
RAMP "D"	55+67.00	61+09.48

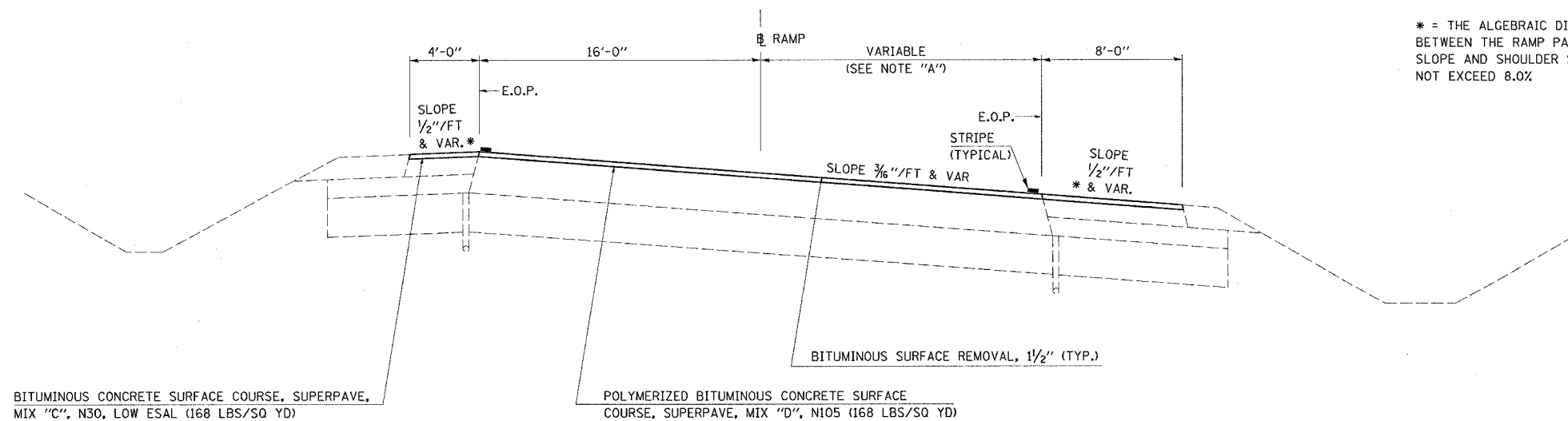


NOTE "A"

PROPOSED TYPICAL CROSS SECTION

RAMP "A"	RAMP "B"	RAMP "D"
16' AT STA. 11+06.53	0' AT STA. 18+13.48	6' AT STA. 51+06.26
3.97' AT STA. 16+99.02	0' AT STA. 23+33.48	0' AT STA. 54+06.26
0' AT STA. 19+06.53	20' AT STA. 27+83.48	0' AT STA. 61+09.48
0' AT STA. 21+47.49	20' AT STA. 28+67.62	

RAMPS AT PROSPECT		
RAMP	STATION	TO STATION
RAMP "A"	11+06.53	21+47.49
RAMP "B"	18+13.43	20+85.00
RAMP "D"	55+67.00	61+09.48



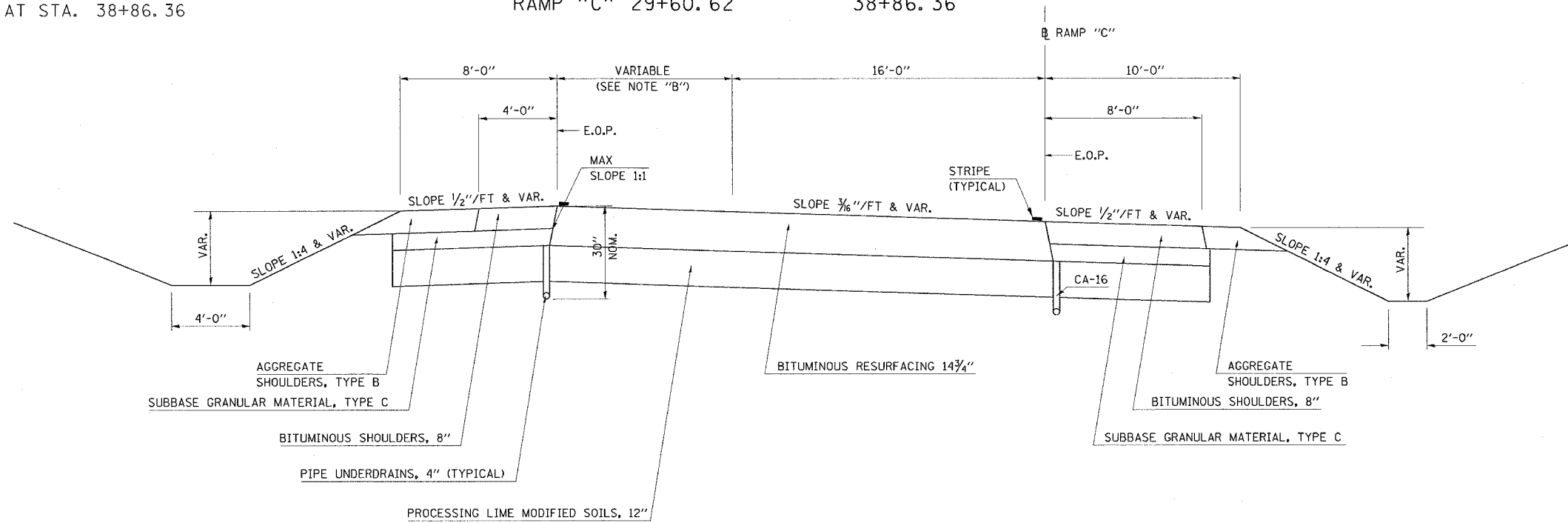
* = THE ALGEBRAIC DIFFERENCE BETWEEN THE RAMP PAVEMENT SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8.0%

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	25
CONTRACT NO. 70141 • 1015-1-RS-1,14-1(R)RS & 6RS-3)				

EXISTING TYPICAL CROSS SECTION

NOTE "B"
 0' AT STA. 28+60.62
 0' AT STA. 36+21.36
 8' AT STA. 37+81.36
 8' AT STA. 38+86.36

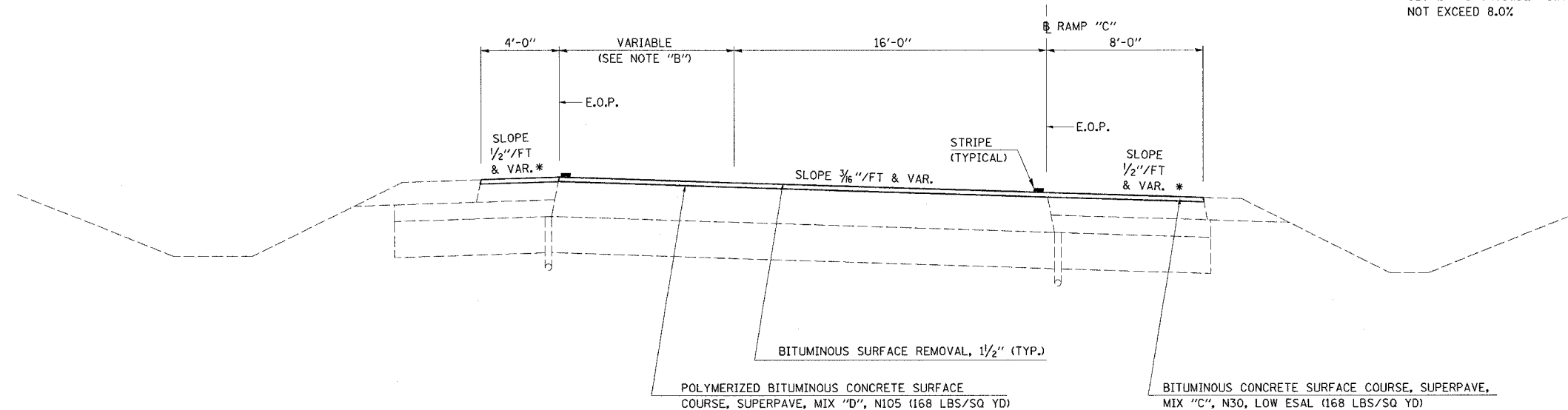
RAMPS AT PROSPECT
 STATION TO STATION
 RAMP "C" 29+60.62 38+86.36



PROPOSED TYPICAL CROSS SECTION

NOTE "B"
 0' AT STA. 28+60.62
 0' AT STA. 36+21.36
 8' AT STA. 37+81.36
 8' AT STA. 38+86.36

RAMPS AT PROSPECT
 STATION TO STATION
 RAMP "C" 29+60.62 38+86.36



* = THE ALGEBRAIC DIFFERENCE BETWEEN THE RAMP PAVEMENT SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8.0%.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	26

CONTRACT NO. 70141
 * 1015-1-RS-1,14-1(R)RS & 6RS-3)

NOTE "A"

RAMP "F"

0.00'	AT STA.	122+72.00
0.00'	AT STA.	122+98.70
32.00'	AT STA.	126+93.26
35.80'	AT STA.	128+58.22
44.42'	AT STA.	129+07.10

RAMP "G"

0.00'	AT STA.	129+05.00
0.00'	AT STA.	133+74.00
9.14'	AT STA.	135+05.40
24.00'	AT STA.	137+19.00
38.92'	AT STA.	139+36.89

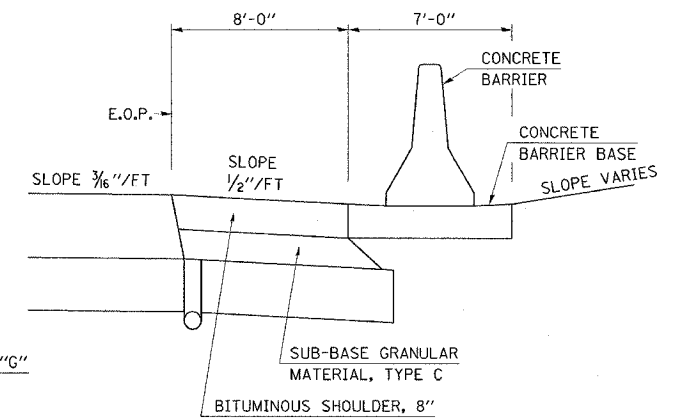
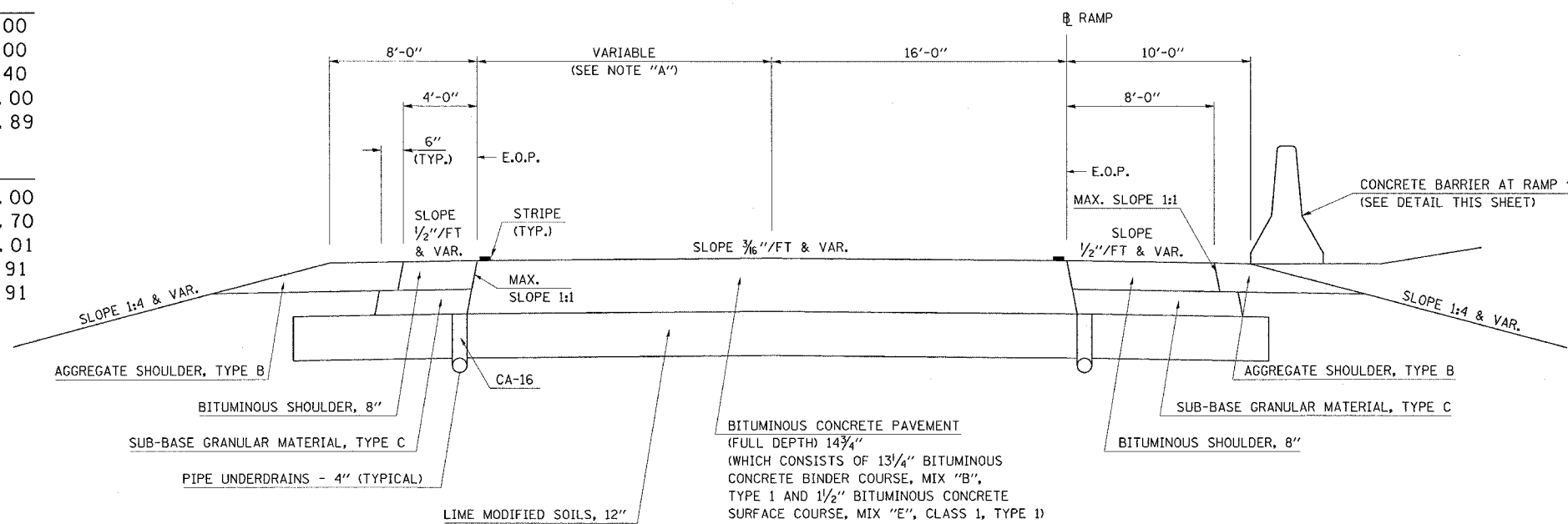
RAMP "H"

19.00'	AT STA.	150+99.00
16.39'	AT STA.	152+91.70
10.38'	AT STA.	155+41.01
0.00'	AT STA.	158+97.91
0.00'	AT STA.	160+97.91

EXISTING TYPICAL CROSS SECTION

RAMPS AT NEIL

	STATION	TO	STATION
RAMP "F"	118+36.56		129+04.98
RAMP "G"	129+05.00		139+36.89
RAMP "H"	150+99.00		160+97.91



CONCRETE BARRIER AT RAMP "G"
 RT. STATION 129+00 TO STATION 131+50

NOTE "A"

RAMP "F"

0.00'	AT STA.	122+72.00
0.00'	AT STA.	122+98.70
32.00'	AT STA.	126+93.26
35.80'	AT STA.	128+58.22
44.42'	AT STA.	129+07.10

RAMP "G"

0.00'	AT STA.	129+05.00
0.00'	AT STA.	133+74.00
9.14'	AT STA.	135+05.40
24.00'	AT STA.	137+19.00
38.92'	AT STA.	139+36.89

RAMP "H"

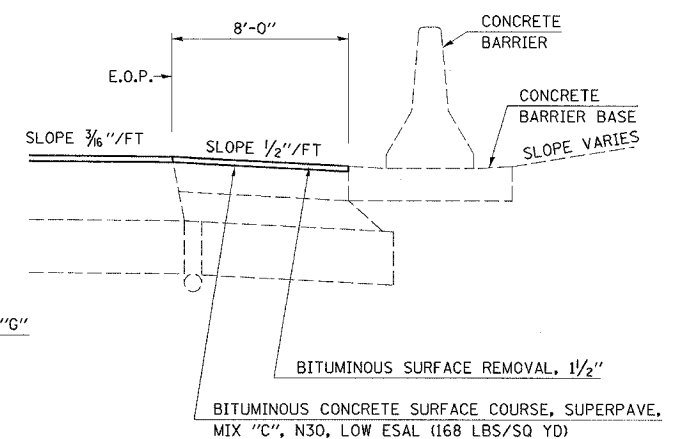
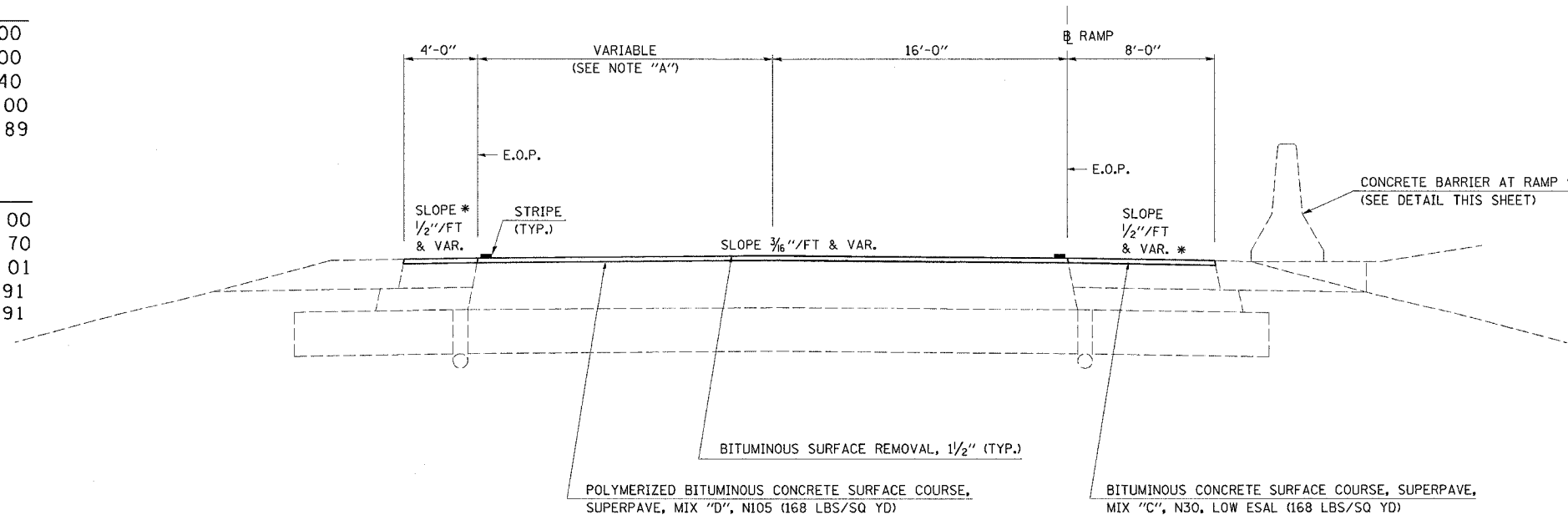
19.00'	AT STA.	150+99.00
16.39'	AT STA.	152+91.70
10.38'	AT STA.	155+41.01
0.00'	AT STA.	158+97.91
0.00'	AT STA.	160+97.91

* = THE ALGEBRAIC DIFFERENCE BETWEEN THE RAMP PAVEMENT SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8.0%.

PROPOSED TYPICAL CROSS SECTION

RAMPS AT NEIL

	STATION	TO	STATION
RAMP "F"	118+36.56		129+04.98
RAMP "G"	129+05.00		139+36.89
RAMP "H"	150+99.00		160+97.91

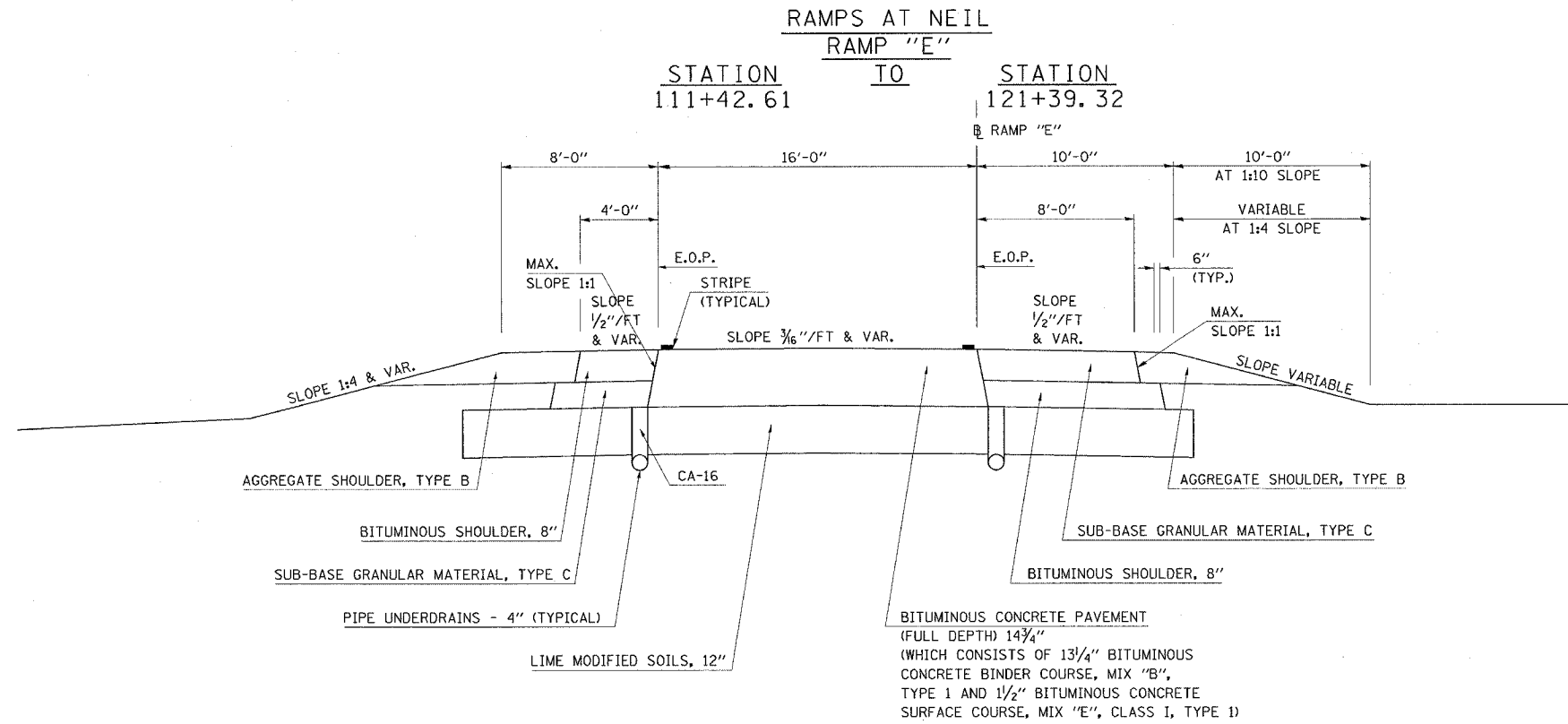


CONCRETE BARRIER AT RAMP "G"
 RT. STATION 129+00 TO STATION 131+50

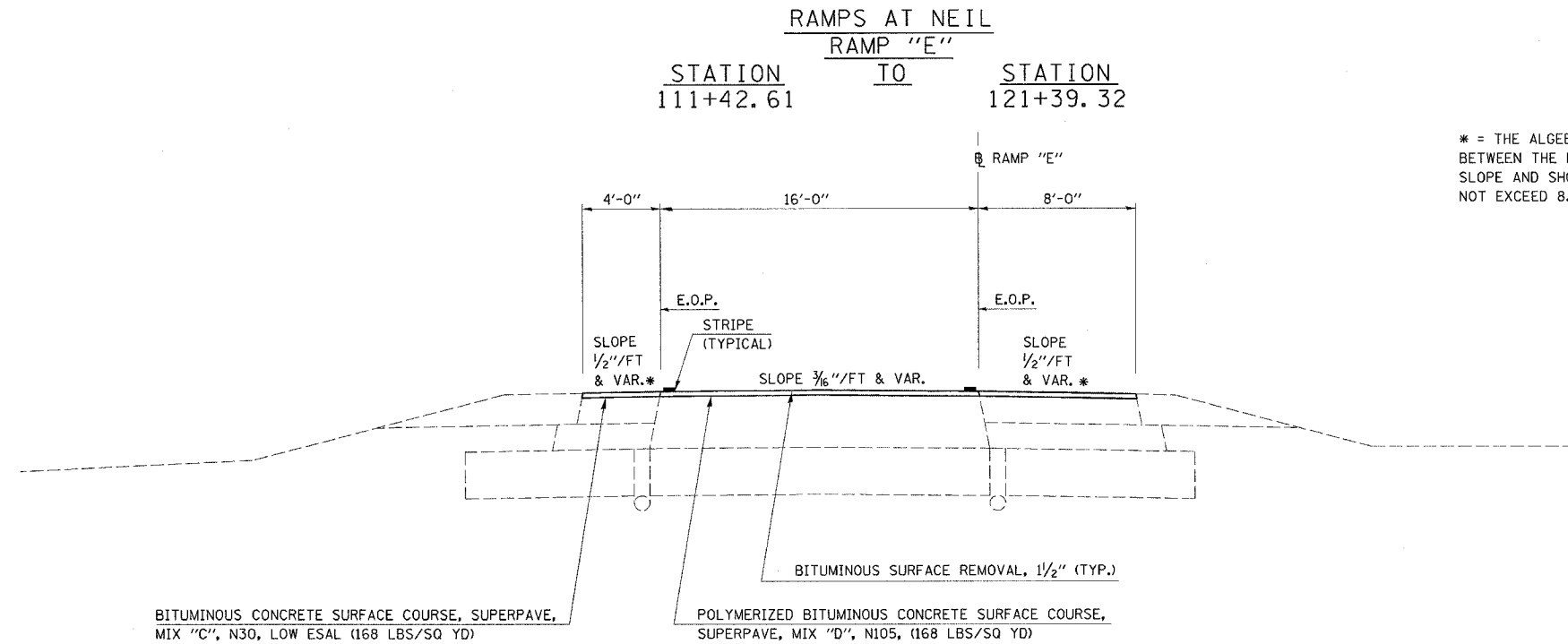
EXISTING TYPICAL CROSS SECTION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	27

CONTRACT NO. 70141
 * 10/5-1-RS-1,14-1(R)RS & 6RS-3)



PROPOSED TYPICAL CROSS SECTION



* = THE ALGEBRAIC DIFFERENCE BETWEEN THE RAMP PAVEMENT SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8.0%.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	28

CONTRACT NO. 70141
 • 1015-1-RS-1.14-1(R)RS & 6RS-3)

NOTE A:
 RAMP "AL"
 16' AT STA. 240+00.00
 16' AT STA. 246+50.00
 30' AT STA. 254+00.00

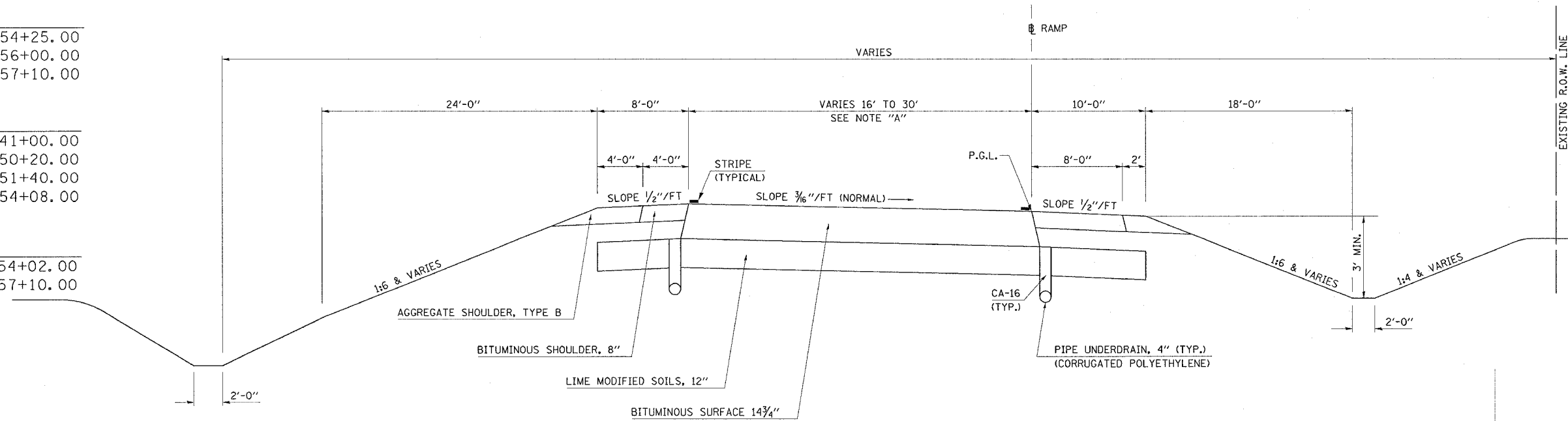
RAMP "BL"
 24' AT STA. 254+25.00
 24' AT STA. 256+00.00
 16' AT STA. 257+10.00

RAMP "CL"
 16' AT STA. 241+00.00
 16' AT STA. 250+20.00
 24' AT STA. 251+40.00
 24' AT STA. 254+08.00

RAMP "DL"
 30' AT STA. 254+02.00
 0' AT STA. 257+10.00

EXISTING TYPICAL CROSS SECTION

I-74 RAMPS AT LINCOLN AVE.



NOTE A:
 RAMP "AL"
 16' AT STA. 240+00.00
 16' AT STA. 246+50.00
 30' AT STA. 254+00.00

RAMP "BL"
 24' AT STA. 254+25.00
 24' AT STA. 256+00.00
 16' AT STA. 257+10.00

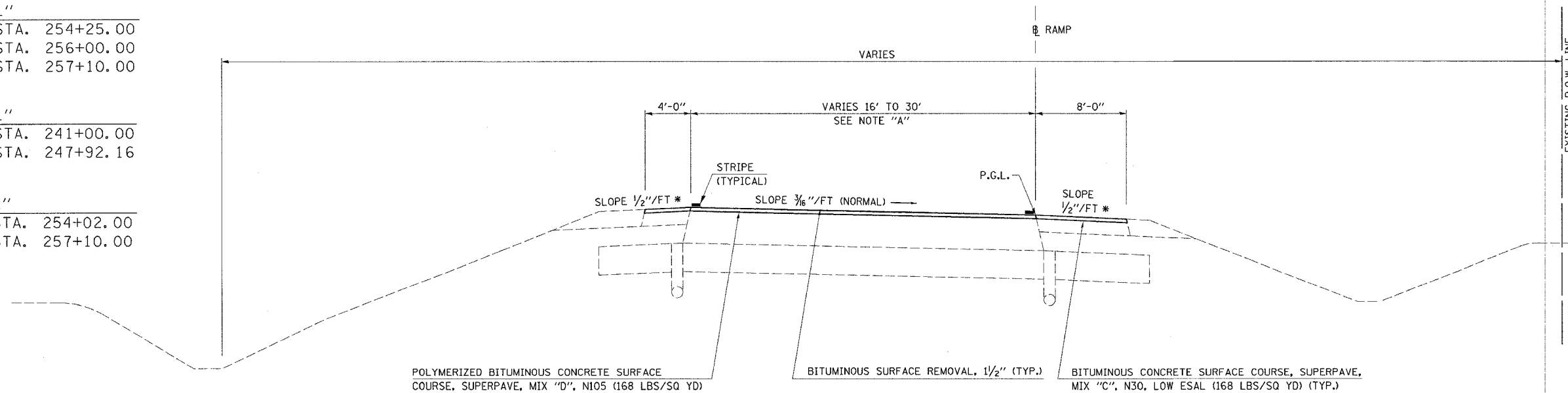
RAMP "CL"
 16' AT STA. 241+00.00
 16' AT STA. 247+92.16

RAMP "DL"
 30' AT STA. 254+02.00
 0' AT STA. 257+10.00

PROPOSED TYPICAL CROSS SECTION

I-74 RAMPS AT LINCOLN AVE.

* = THE ALGEBRAIC DIFFERENCE BETWEEN THE RAMP PAVEMENT SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8.0%



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	29

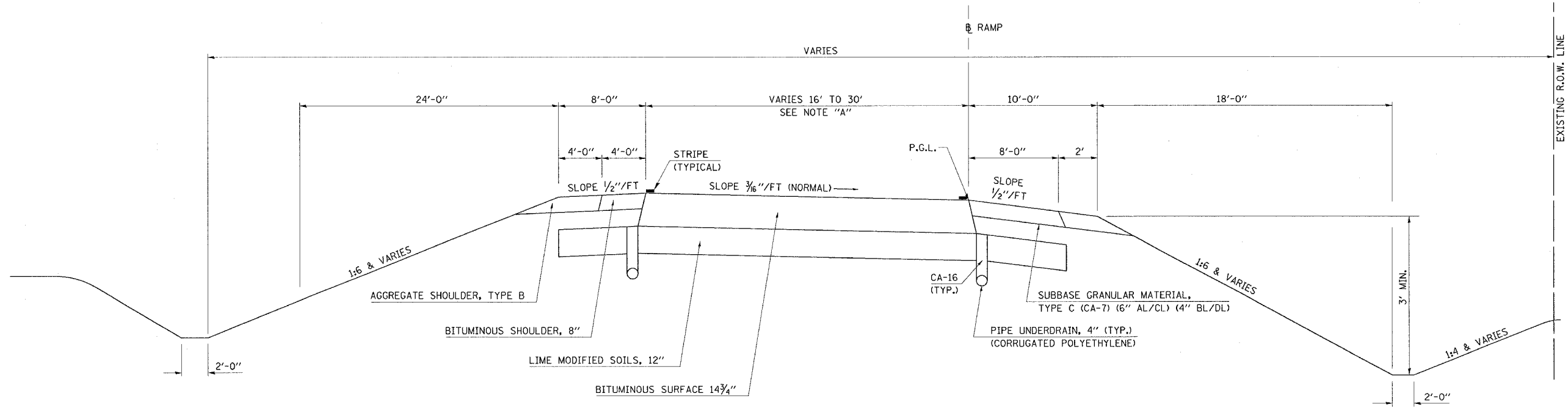
CONTRACT NO. 70141
1015-1-RS-1,14-1(R)RS & 6RS-3)

NOTE A:
RAMP "CL"
16' AT STA. 241+00.00
16' AT STA. 250+20.00
24' AT STA. 251+40.00
24' AT STA. 254+08.00

EXISTING TYPICAL CROSS SECTION

I-74 RAMP "CL" WIDENING AT LINCOLN AVE.

STATION TO STATION
247+92.16 TO 253+60.43



NOTE A:
RAMP "CL"
16' AT STA. 247+92.16
36' AT STA. 250+92.66
36' AT STA. 253+60.43

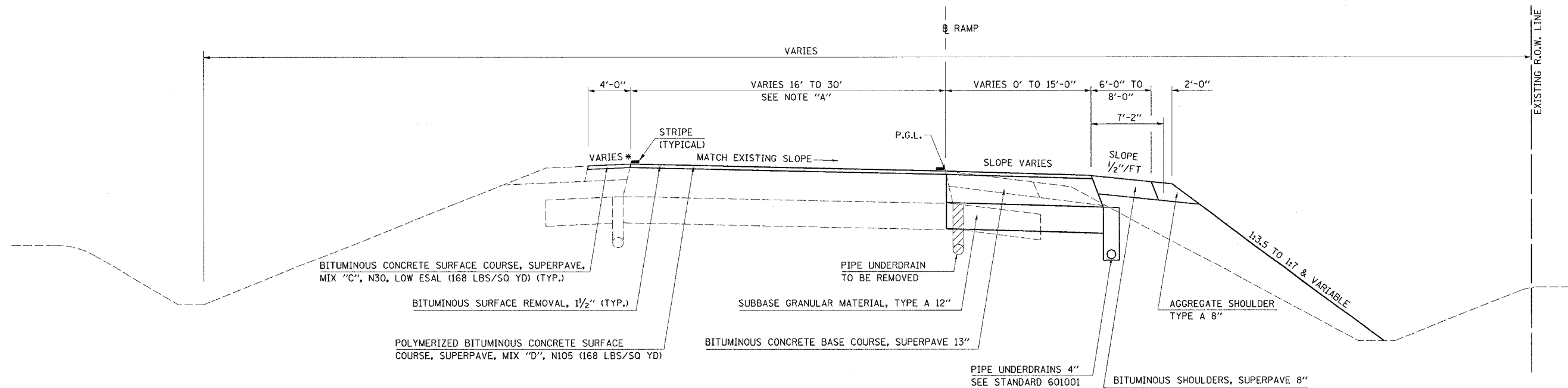
PROPOSED TYPICAL CROSS SECTION

I-74 RAMP "CL" WIDENING AT LINCOLN AVE.

STATION TO STATION
247+92.16 TO 253+60.43

NOTE:
SEE CROSS SECTIONS FOR
RAMP "CL" RECONSTRUCTION

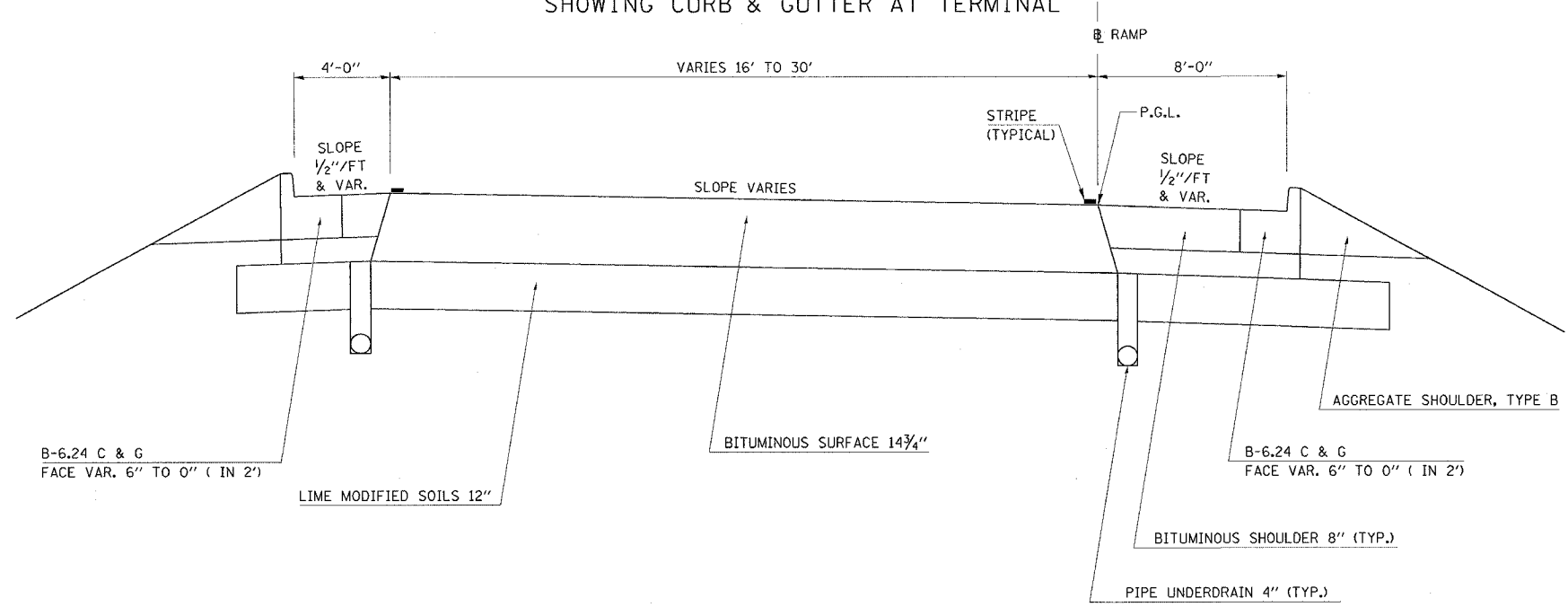
* = THE ALGEBRAIC DIFFERENCE
BETWEEN THE RAMP PAVEMENT
SLOPE AND SHOULDER SLOPE SHALL
NOT EXCEED 8.0%



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	30
CONTRACT NO. 70141 • 1015-1-RS-1,14-1(RRS & 6RS-3)				

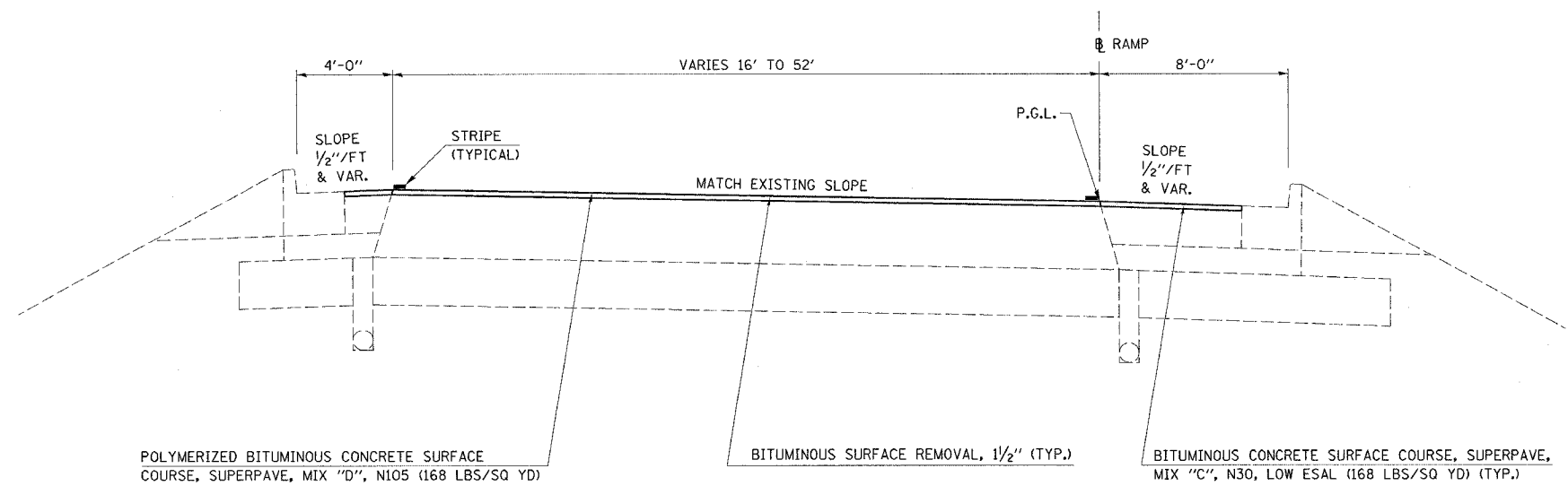
EXISTING TYPICAL CROSS SECTION

I-74 RAMPS AT LINCOLN AVE.
SHOWING CURB & GUTTER AT TERMINAL



PROPOSED TYPICAL CROSS SECTION

I-74 RAMPS AT LINCOLN AVE.
SHOWING CURB & GUTTER AT TERMINAL

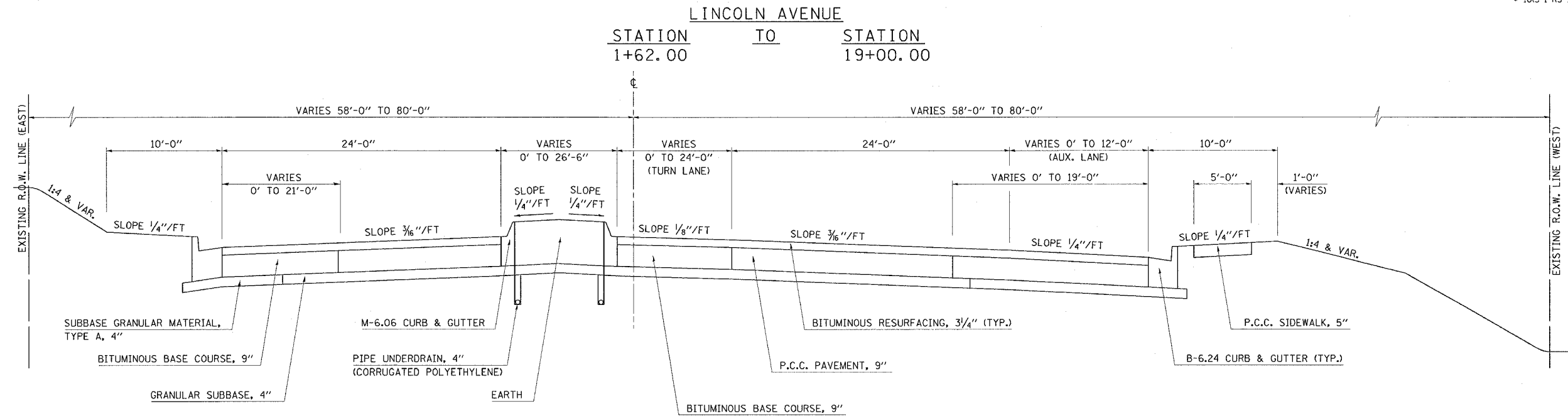


NOTE:
SEE CROSS SECTIONS FOR
RAMP "CL" RECONSTRUCTION

EXISTING TYPICAL CROSS SECTION

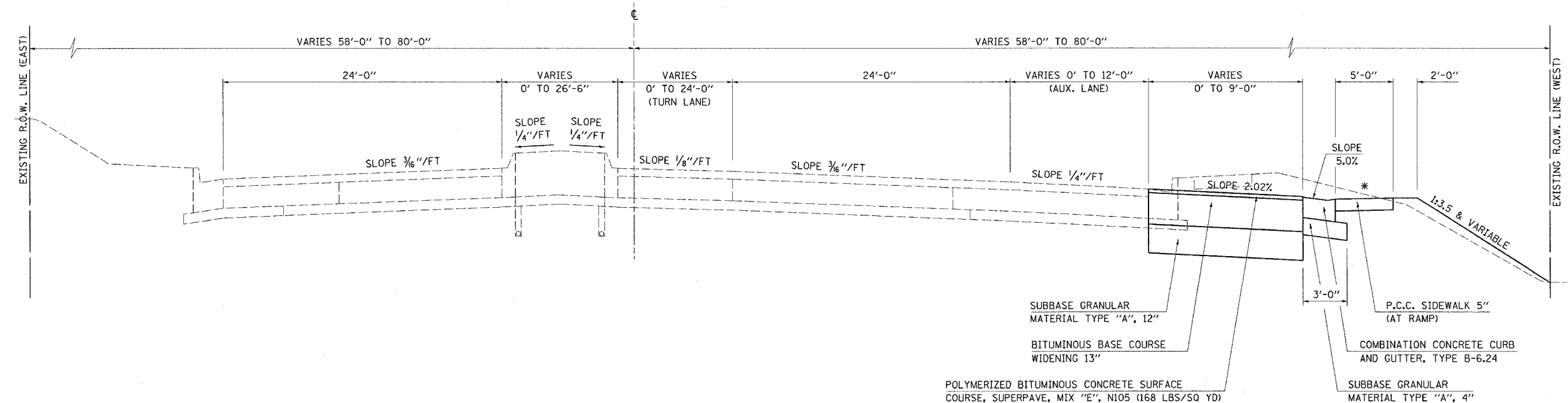
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	31

CONTRACT NO. 70141
 • 1045-1-RS-1,14-1(RRS & 6RS-3)



PROPOSED TYPICAL CROSS SECTION

LINCOLN AVENUE
 STATION 13+27.65 TO STATION 19+00.00



* ADA RAMP SHOWN

EXISTING TYPICAL CROSS SECTION

I-74 RAMPS AT RTE. 45

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	32

CONTRACT NO. 70141
 • 10I5-1-RS-1,14-1(R)RS & 6RS-3)

NOTE "A":
RAMP B-25

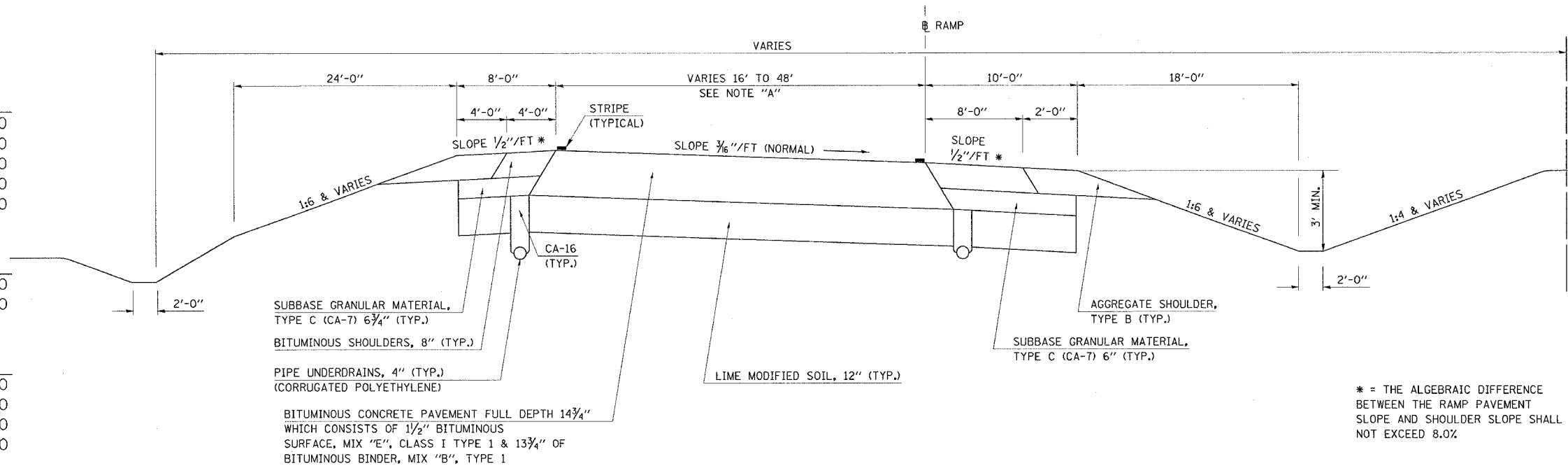
- 16' AT STA. 307+75.00
- 16' AT STA. 313+00.00
- 30' AT STA. 315+79.00
- 48' AT STA. 319+36.00
- 48' AT STA. 321+99.00

RAMP F-25

- 30' AT STA. 320+45.00
- 16' AT STA. 323+00.00

RAMP H-25

- 16' AT STA. 306+30.00
- 16' AT STA. 313+40.00
- 30' AT STA. 320+80.00
- 30' AT STA. 324+00.00



PROPOSED TYPICAL CROSS SECTION

I-74 RAMPS AT RTE. 45

NOTE "A":
RAMP B-25

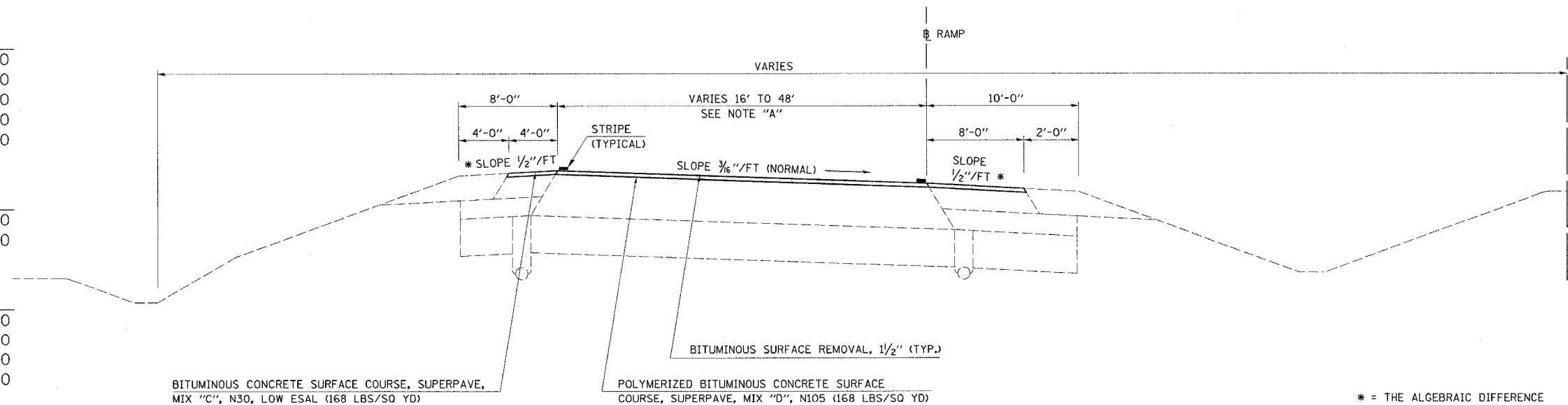
- 16' AT STA. 307+75.00
- 16' AT STA. 313+00.00
- 30' AT STA. 315+79.00
- 48' AT STA. 319+36.00
- 48' AT STA. 321+99.00

RAMP F-25

- 30' AT STA. 320+45.00
- 16' AT STA. 323+00.00

RAMP H-25

- 16' AT STA. 306+30.00
- 16' AT STA. 313+40.00
- 30' AT STA. 320+80.00
- 30' AT STA. 324+00.00

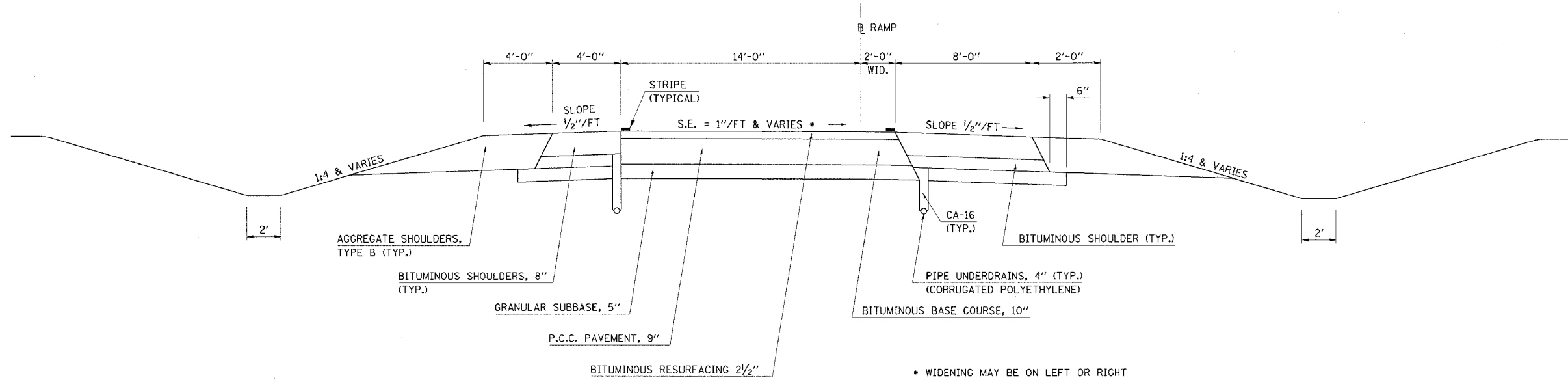


EXISTING TYPICAL CROSS SECTION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	33

CONTRACT NO. 70141
 * 10G-1-RS-L14-1(RIRS & 6RS-3)

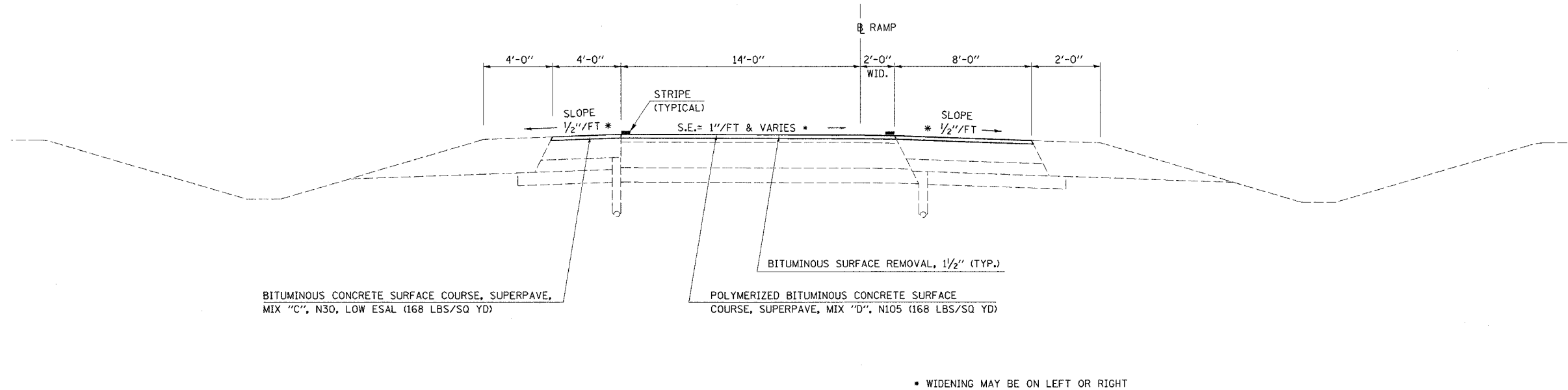
URBANA SPUR RAMPS RAMPS B & C PART OF A & D



PROPOSED TYPICAL CROSS SECTION

URBANA SPUR RAMPS RAMPS B & C PART OF A & D

* = THE ALGEBRAIC DIFFERENCE BETWEEN THE RAMP PAVEMENT SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8.0%

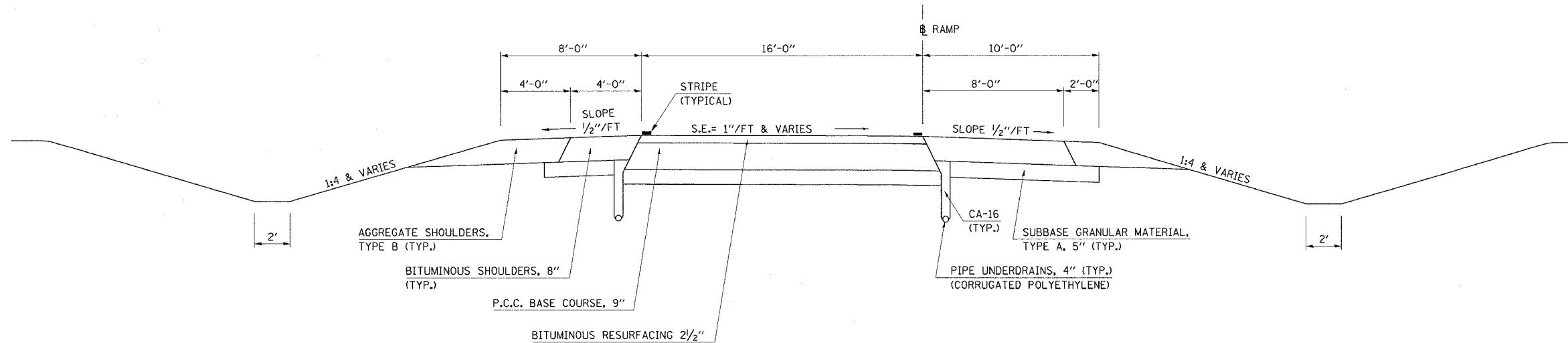


EXISTING TYPICAL CROSS SECTION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	34

CONTRACT NO. 70141
 * 1015-1-RS-1,14-(RIRS & GRS-3)

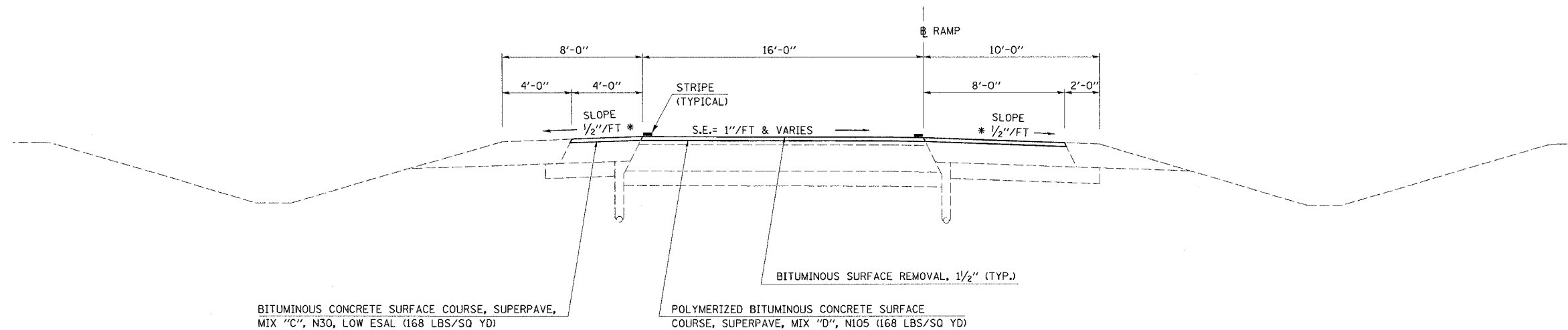
URBANA SPUR RAMPS PART OF A & D



PROPOSED TYPICAL CROSS SECTION

URBANA SPUR RAMPS PART OF A & D

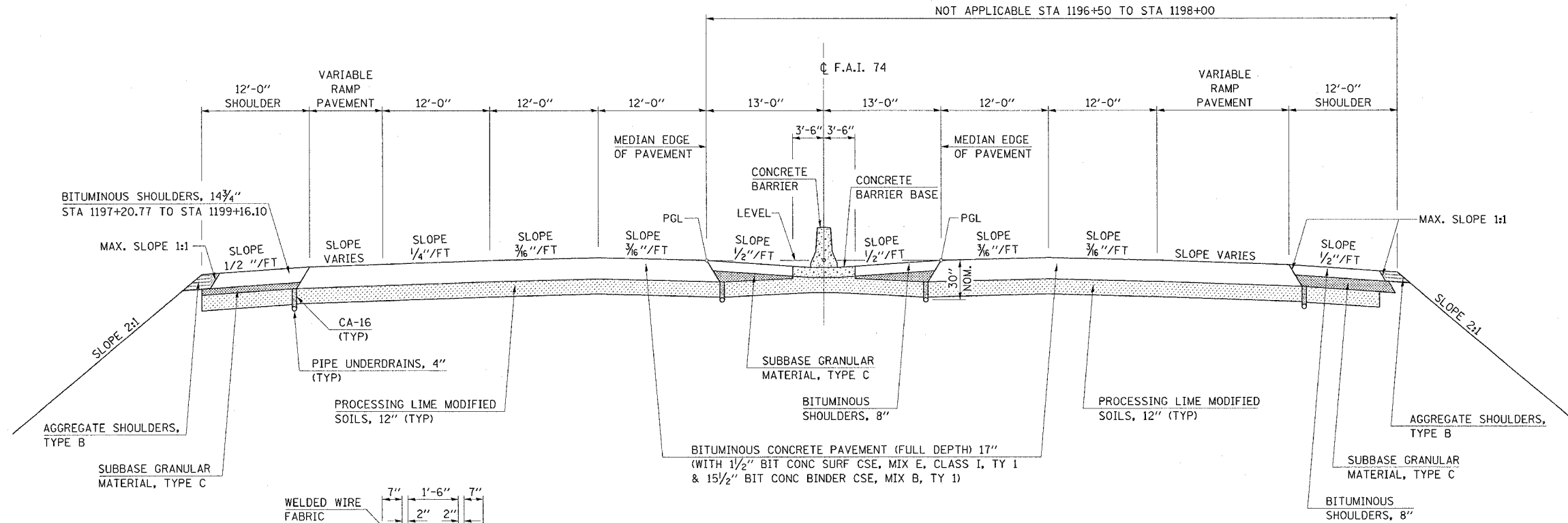
* = THE ALGEBRAIC DIFFERENCE BETWEEN THE RAMP PAVEMENT SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8.0%



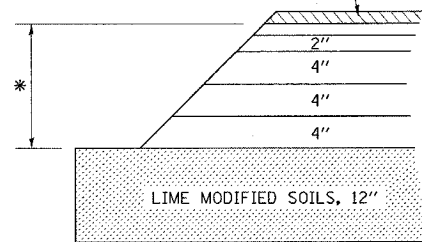
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	35
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 1015-1-RS-1,14-1(RRS & 6RS-3)				

EXISTING BRIDGE TYPICAL CROSS SECTION

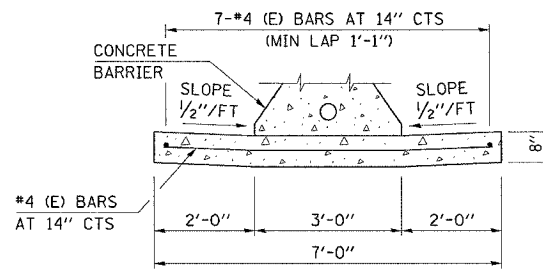
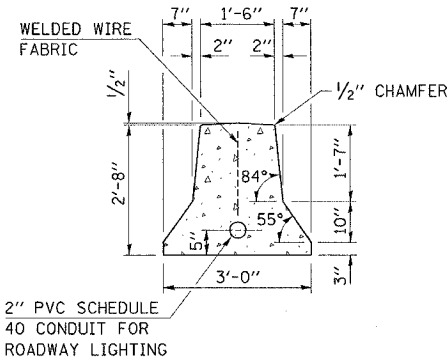
STATION TO STATION
 LT 1196+50 TO LT 1199+33.35
 RT 1198+00 TO RT 1199+33.35



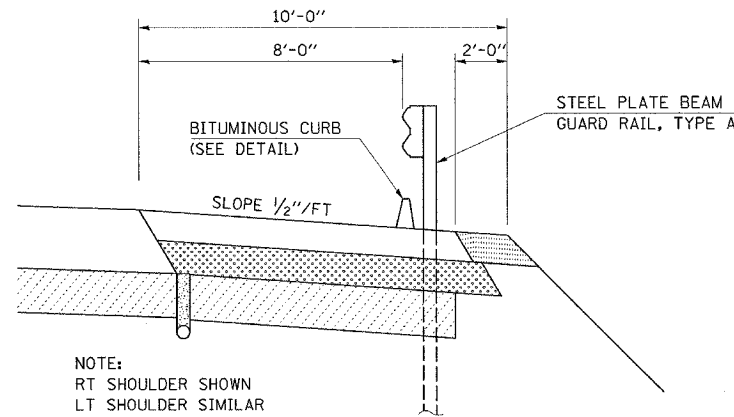
1/2" BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE E, CLASS I, TYPE 1



* 1 1/2" BITUMINOUS CONCRETE BINDER COURSE, MIXTURE B, TYPE 1
 3 LIFTS AT 4", 1 LIFT AT 2"
 1 LIFT AT 1/2"

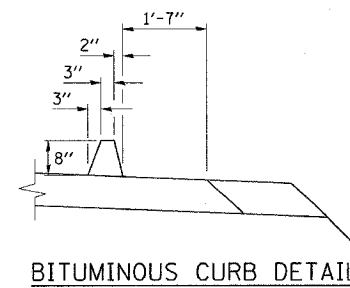


NOTE: (E) DENOTES EPOXY COATED BARS



NOTE:
 RT SHOULDER SHOWN
 LT SHOULDER SIMILAR

SHOULDER DETAIL
 LT STA 1196+50 TO STA 1199+33.35
 RT STA 1198+00 TO STA 1199+33.35



BRIDGE OMISSION

STA 1199+33.35 TO STA 1200+78.85

BRIDGE APPROACH PAVEMENT

STA 1198+83.35 TO STA 1199+33.35

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE TYPICALS

F.A.I. ROUTE 74
 SECTION 1015-1-RS-1,14-1(RRS & 6RS-3)
 CHAMPAIGN COUNTY

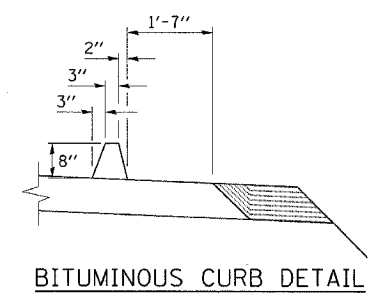
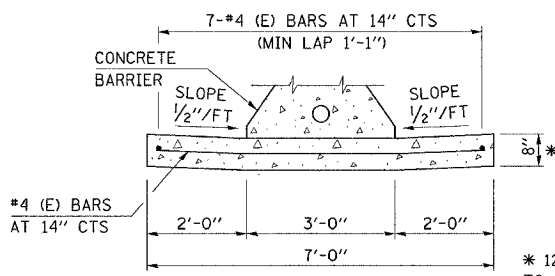
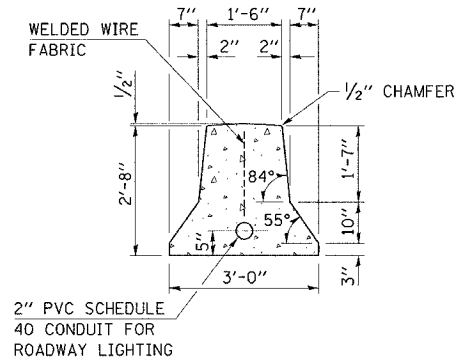
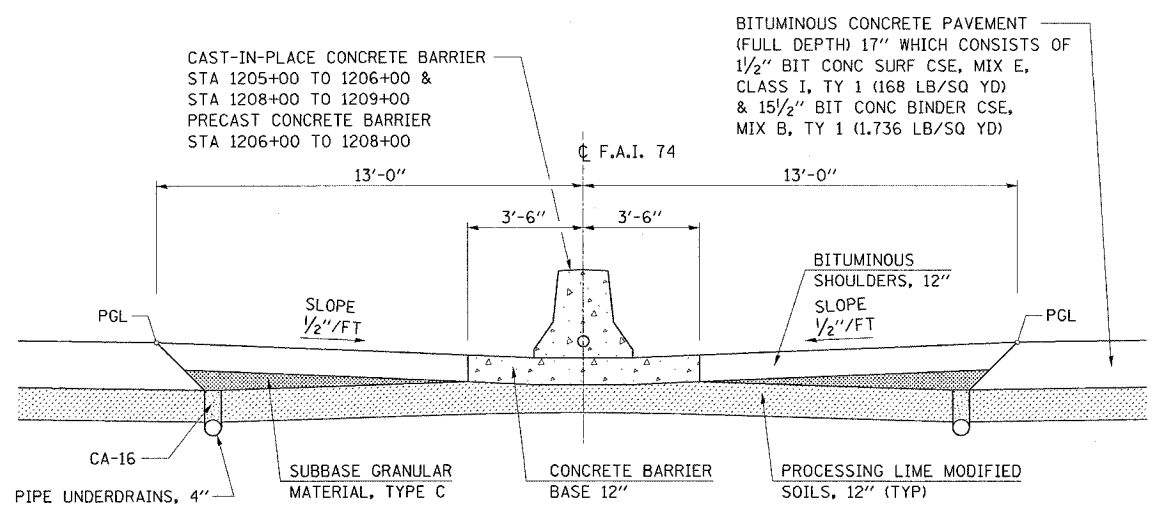
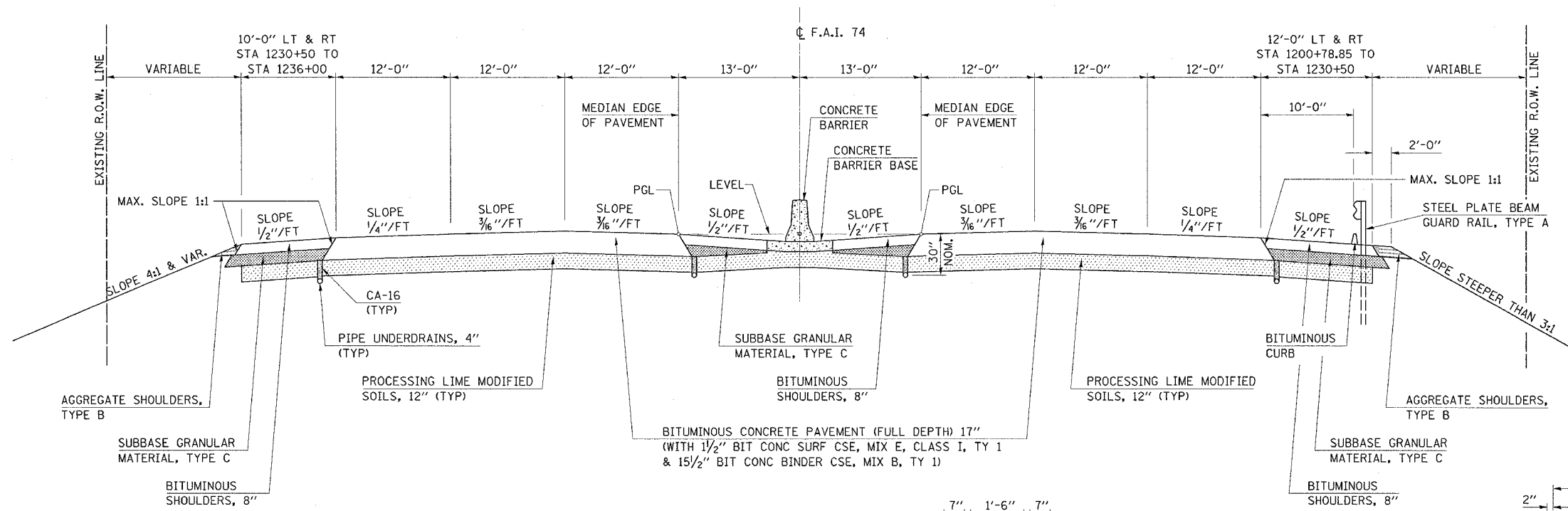
SCALE: DO NOT SCALE
 DATE: 12/14/04

DRAWN BY: JRP
 CHECKED BY:

EXISTING BRIDGE TYPICAL CROSS SECTION

STATION TO STATION
1200+78.85 TO 1236+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	36
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
* 1015-1-RS-1,14-1(R)RS & 6RS-3				



BRIDGE OMISSION
RT STA 1215+27.77 TO STA 1222+51.77
LT STA 1215+48.51 TO STA 1222+72.51

BRIDGE APPROACH PAVEMENT
STA 1200+78.85 TO STA 1201+28.85
RT STA 1214+77.77 TO STA 1215+27.77
RT STA 1222+51.77 TO STA 1223+01.77
LT STA 1214+98.51 TO STA 1215+48.51
LT STA 1222+72.51 TO STA 1223+22.51

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING BRIDGE TYPICALS
F.A.I. ROUTE 74
SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
CHAMPAIGN COUNTY
SCALE: DO NOT SCALE
DATE: 12/14/04
DRAWN BY: JRP
CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	37

• 1015-1-RS-1.14-1(R)RS & 6RS-3)

TEMPORARY RAMP SCHEDULE

STATION	STRUCTURE NUMBER	LENGTH (TAPER RATE = 1:240)	WIDTH	SQ YD
EASTBOUND				
1035+75.00		35.00	24	93.33
1059+55.6	010-0019	35.00	24	93.33
1063+15.83		35.00	24	93.33
1198+83.35	010-0020	35.00	36	140.00
1201+28.89		35.00	36	140.00
1214+77.68	010-0021	35.00	36	140.00
1223+01.68		35.00	36	140.00
1279+20.00	010-0023	35.00	36	140.00
1280+70.00		35.00	36	140.00
1320+35.74	010-0024	35.00	24	93.33
1322+80.08		35.00	24	93.33
1372+04.45	010-0025	35.00	24	93.33
1374+26.36		35.00	24	93.33
1429+00.00		35.00	24	93.33
SUB-TOTAL				1586.64
WESTBOUND				
1035+75.00		35.00	24	93.33
1059+55.6	010-0018	35.00	24	93.33
1063+15.83		35.00	24	93.33
1198+83.35	010-0020	35.00	36	140.00
1201+28.89		35.00	36	140.00
1214+77.68	010-0021	35.00	36	140.00
1223+01.68		35.00	36	140.00
1279+20.00	010-0022	35.00	36	140.00
1280+70.00		35.00	36	140.00
1320+35.74	010-0024	35.00	24	93.33
1322+80.08		35.00	24	93.33
1372+04.45	010-0026	35.00	24	93.33
1374+26.36		35.00	24	93.33
1429+00.00		35.00	24	93.33
SUB-TOTAL				1586.64
RAMP SCHEDULE				
RAMP STATION	LOCATION	LENGTH (TAPER RATE = 1:120)	WIDTH	SQ YD
I-57 RAMPS				
RAMP I-CA				
206+00	@ I-74	15.00	18	30.00
222+00	@ I-57	15.00	18	30.00
RAMP I-BC				
166+70	@ I-57	15.00	18	30.00
180+00	@ I-74	15.00	18	30.00
RAMP I-AD				
87+01.63	@ I-57	15.00	18	30.00
100+00	@ I-74	15.00	18	30.00
RAMP I-DB				
127+00	@ I-74	15.00	18	30.00
141+85	@ I-57	15.00	18	30.00
LOOP DA				
590+00	@ I-74 (*1)	15.00	18	30.00
602+00	@ I-57	15.00	18	30.00
LOOP BD				
39+00	@ I-57	15.00	18	30.00
53+55	@ I-74	15.00	18	30.00
LOOP CB				
61+00	@ I-74 (*1)	15.00	18	30.00
74+25	@ I-57	15.00	18	30.00
LOOP AC				
0+00	@ I-57	15.00	18	30.00
13+00	@ I-74	15.00	18	30.00
SUB-TOTAL				480.00

RAMP STATION	LOCATION	LENGTH (TAPER RATE = 1:120)	WIDTH	SQ YD
PROSPECT				
RAMP A				
10+40	TOP	15.00	48	80.00
25+35	@74	15.00	18	30.00
RAMP B				
20+85	@74	15.00	18	30.00
RAMP C				
23+00	@74	15.00	18	30.00
39+60	TOP	15.00	36	60.00
RAMP D				
55+67	RAMP	15.00	18	30.00
SUB-TOTAL				260.00
NEIL ST				
RAMP E				
110+40	TOP	15.00	48	80.00
122+00	@74	15.00	18	30.00
RAMP F				
129+60	TOP	15.00	60	100.00
N/A (*2)	010-0020	15.00	12	0.00
RAMP G				
127+00	@74	15.00	18	30.00
139+55	TOP	15.00	53	88.33
RAMP H				
150+45	TOP	15.00	36	60.00
N/A (*2)	010-0020	15.00	12	0.00
SUB-TOTAL				388.33
LINCOLN				
RAMP AL				
241+00	@74	15.00	18	30.00
254+00	TOP	15.00	48	80.00
RAMP BL				
265+00	@74	15.00	18	30.00
253+22	TOP	15.00	38	63.33
RAMP CL				
242+00	@74	15.00	18	30.00
254+00	TOP	15.00	45	75.00
RAMP DL				
253+12	TOP	15.00	45	75.00
265+00	@74	15.00	18	30.00
SUB-TOTAL				413.33
US 45				
RAMP B-25				
310+00	@74	15.00	18	30.00
254+00	TOP	15.00	67	111.67
RAMP D-25				
319+40	TOP	15.00	48	80.00
331+00	@74	15.00	18	30.00
RAMP F-25				
333+00	@74	15.00	18	30.00
319+60	TOP	15.00	46	76.67
RAMP H-25				
313+00	@74	15.00	18	30.00
262+00	TOP	15.00	68	113.33
SUB-TOTAL				501.67

RAMP STATION	LOCATION	LENGTH (TAPER RATE = 1:120)	WIDTH	SQ YD
US 150				
RAMP A				
89+00	@74	15.00	18	30.00
103+00	TOP	15.00	18	30.00
RAMP B				
42+00	TOP	15.00	18	30.00
54+00	@74	15.00	18	30.00
RAMP C				
57+00	TOP	15.00	18	30.00
66+00	@74	15.00	18	30.00
RAMP D				
58+98.62	TOP	15.00	18	30.00
75+00	@74	15.00	18	30.00
SUB-TOTAL				240.00
TOTAL				5456.61

NOTES:

- *1) It may be possible to delete this ramp
- *2) Temporary ramp for entrance is at end of structure

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	38

EARTHWORK SCHEDULE

LINCOLN RAMP "CL" STATION	EARTH EXCAVATION CU YD	UNSUITABLE MATERIAL (WASTE CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE CU YD	EMBANKMENT (CU YD)	EARTHWORK BALANCE EXCESS (+) SHORTAGE (-) (CU YD)
247+92.16	0.00	0.00	0.00	0.00	0.00
248+00	4.00	4.00	0.00	1.43	-1.43
248+50	49.83	49.83	0.00	16.67	-16.67
249+00	47.94	47.94	0.00	18.96	-18.96
249+50	49.76	49.76	0.00	31.85	-31.85
250+00	52.56	52.56	0.00	48.86	-48.86
250+50	52.61	52.61	0.00	83.31	-83.31
251+00	51.51	51.51	0.00	107.31	-107.31
251+50	48.88	48.88	0.00	106.02	-106.02
252+00	46.41	46.41	0.00	120.96	-120.96
252+50	45.68	45.68	0.00	159.58	-159.58
253+00	44.58	44.58	0.00	217.00	-217.00
253+50	44.08	44.08	0.00	209.83	-209.83
254+00	63.83	63.83	0.00	86.83	-86.83
SUB-TOTAL	601.68	601.68	0.00	1208.62	-1208.62

LINCOLN AVENUE STATION	EARTH EXCAVATION CU YD	UNSUITABLE MATERIAL (WASTE CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE CU YD	EMBANKMENT (CU YD)	EARTHWORK BALANCE EXCESS (+) SHORTAGE (-) (CU YD)
13+50	0.00	0.00	0.00	0.00	0.00
13+75	38.99	6.71	24.21	16.06	8.15
14+00	32.76	13.43	14.50	38.33	-23.83
14+25	28.01	13.43	10.94	41.43	-30.49
14+50	25.53	13.43	9.08	38.69	-29.61
14+75	22.09	13.43	6.50	35.98	-29.48
15+00	20.34	13.43	5.18	23.23	-18.05
15+25	20.56	13.43	5.35	7.67	-2.31
15+50	20.33	13.43	5.18	0.89	4.28
15+75	19.28	13.43	4.39	0.07	4.31
16+00	17.33	13.43	2.93	1.19	1.75
16+25	15.19	13.43	1.32	5.11	-3.79
16+44	10.17	10.20	-0.02	0.00	-0.02
16+50	2.97	3.22	-0.19	8.34	-8.53
16+75	11.27	13.43	-1.61	6.56	-8.17
17+00	9.47	13.43	-2.97	3.05	-6.02
17+25	7.76	13.43	-4.25	1.80	-6.05
17+50	6.46	13.43	-5.22	1.33	-6.56
17+75	4.82	13.43	-6.45	0.55	-7.00
17+98.14	1.71	12.43	-8.03	0.15	-8.19
SUB-TOTAL	315.06	233.95	60.83	230.43	-169.60
TOTAL	916.74	835.63	60.83	1439.06	-1378.23

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

EARTH EXCAVATION = 917 CU YD
 FURNISHED EXCAVATION = 1378 CU YD

GUARDRAIL SCHEDULE

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	39

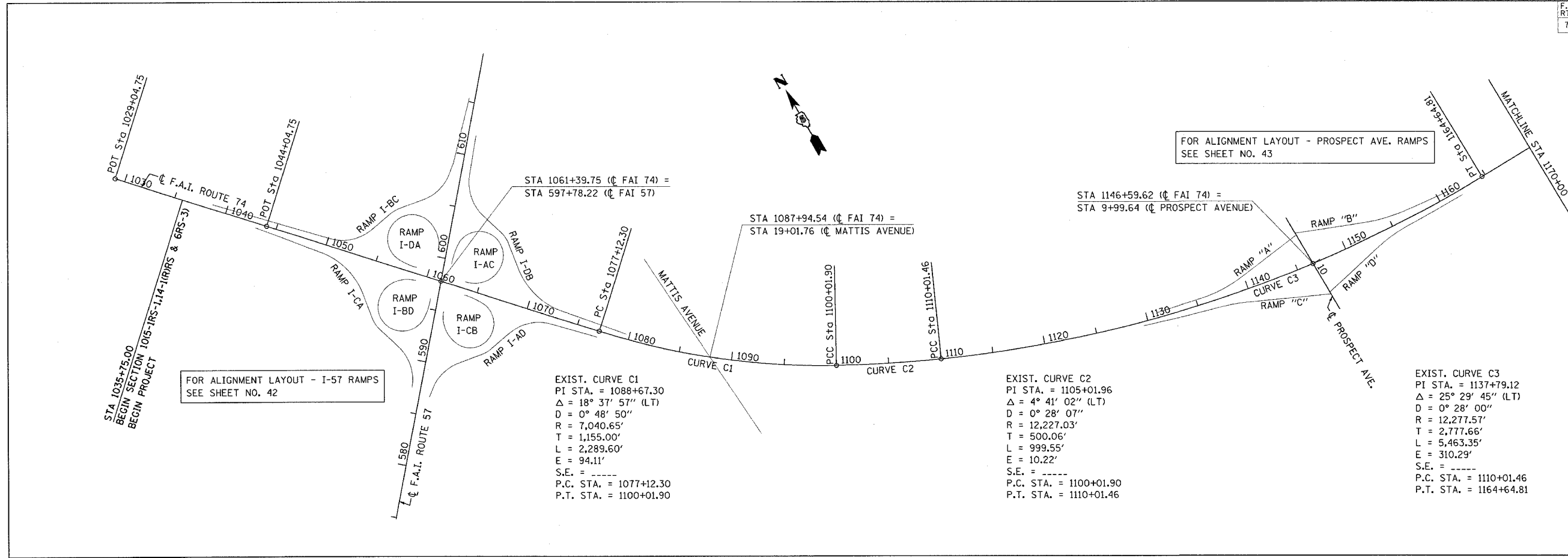
• 1015-1-RS-1,14-1(R)RS & 6RS-3)

Terminal Type 1	Terminal Type 6	STATION	OFFSET		SPBGR TY A.	SPBGR REM.	TERM.SEC. TYPE 1 SPL	TERM SEC TYPE 1 TAN	TERM SEC TYPE 6
			EBL	WBL					
T-1		1046+85	RT			12.5		1 EACH	
T-2		1046+85	LT			12.5		1 EACH	
T-3		1048+60		LT		12.5		1 EACH	
T-4		1058+88	LT			12.5	1 EACH		
	S-3	1059+75	LT			31			1 EACH
	S-4	1060+10	RT			31			1 EACH
	S-5	1062+77		RT		31			1 EACH
	S-6	1063+03		LT		31			1 EACH
T-5		1063+90		RT		12.5	1 EACH		
T-6		1075+85		RT		12.5		1 EACH	
T-7		1075+95		LT		12.5		1 EACH	
T-8		1081+00	RT			12.5	1 EACH		
T-9		1083+50		RT		12.5	1 EACH		
	S-8	1087+76	LT			31			1 EACH
	S-9	1088+15		LT		31			1 EACH
T-10		1088+50		LT		12.5		1 EACH	
T-11		1116+80	LT			12.5	1 EACH		
	S-10	1119+70	LT			31			1 EACH
	S-11	1119+95		LT		31			1 EACH
T-12		1145+90	RT			12.5	1 EACH		
	S-12	1146+50	RT			31			1 EACH
	S-13	1147+00		RT		31			1 EACH
T-13		1147+60		RT		12.5	1 EACH		
T-14		1173+90	RT			12.5	1 EACH		
T-15		1174+70	RT		180 FEET				
	S-14	1176+50	RT			31			1 EACH
T-16		1185+05	RT			12.5		1 EACH	
	S-15	1186+00	RT			31			1 EACH
	S-16	1187+50		RT		31			1 EACH
T-17		1187+80		RT		12.5	1 EACH		
	S-17	1199+23	RT			31			1 EACH
	S-18	1200+95		RT		31			1 EACH
	S-19	1214+75	RT			31			1 EACH
	S-20	1223+25		RT		31			1 EACH
T-18		1230+00		RT		12.5		1 EACH	
T-19		1252+20	RT			12.5		1 EACH	
	S-21	1253+30	RT			31			1 EACH
	S-22	1255+65		RT		31			1 EACH
T-20		1256+00		RT		12.5		1 EACH	
T-21		1267+95		RT		12.5	REM		
T-22		1267+97		RT	150 FEET	12.5		1 EACH	
T-23		1278+50	RT			12.5	1 EACH		
	S-23	1279+40	RT			31			1 EACH
	S-24	1280+15		RT		31			1 EACH
T-24		1283+80		RT		12.5	1 EACH		
T-25		1286+20	RT			12.5		1 EACH	
T-26		1305+00	RT			12.5	1 EACH		
T-27		1317+90	RT			12.5	1 EACH		
	S-25	1320+35	RT			31			1 EACH
	S-26	1323+00		RT		31			1 EACH
T-28		1346+60	RT			12.5	1 EACH		
T-29		1352+75		RT		12.5	1 EACH		
T-30		1353+20	RT			12.5		1 EACH	
	S-27	1356+30	RT			31			1 EACH
	S-28	1356+98		RT		31			1 EACH
T-31		1368+05	RT			12.5	1 EACH		
T-32		1369+00	LT			12.5	1 EACH		
	S-29	1372+00	RT			31			1 EACH
	S-30	1372+05	LT			31			1 EACH
	S-31	1374+40		LT		31			1 EACH
	S-32	1374+50		RT		31			1 EACH
T-33		1377+00		RT		12.5		1 EACH	
T-34		1377+10		LT		12.5	1 EACH		
T-35		1395+95	RT			12.5	1 EACH		
	S-33	1399+75	RT			31			1 EACH
	S-34	1400+45		RT		31			1 EACH
TOTAL					330	1386	19	14	31

PATCHING SCHEDULE

STATION	EASTBOUND				WESTBOUND			
	DRIVING	SQYD	PASSING	SQYD	DRIVING	SQYD	PASSING	SQYD
1037+04					4 X 12	5.33	4 X 12	5.33
1037+15					4 X 12	5.33		
1350+00					4 X 12	5.33	4 X 12	5.33
1359+70					8 X 12	10.67	8 X 12	10.67
1360+72					4 X 12	5.33	4 X 12	5.33
1361+72					4 X 12	5.33		
1362+29	8 X 12	10.67	8 X 12	10.67				
1362+70					8 X 12	10.67		
1363+72					8 X 12	10.67	8 X 12	10.67
1370+67	8 X 12	10.67						
1374+15					6 X 12	8.00	6 X 12	8.00
1375+93	4 X 12	5.33	4 X 12	5.33				
1381+98							6 X 12	8.00
1399+96	8 X 12	10.67	8 X 12	10.67				
1414+00	4 X 12	5.33						
1415+06	4 X 12	5.33	4 X 12	5.33				
1417+43					8 X 12	10.67	8 X 12	10.67
1422+20					6 X 12	8.00		
1422+48					4 X 12	5.33		
1423+11	8 X 12	10.67						
1424+05	6 X 12	8.00						
1424+51					4 X 12	5.33		
RAMPS	EXIT		ENTRANCE		EXIT		ENTRANCE	
US 150	6X16	10.67						
	6X16	10.67						
US 45								
LINCOLN								
NEIL								
PROSPECT								
I-57	4X16	7.11	4X16	7.11	6X16	10.67	6X16	10.67
	4X16	7.11	4X16	7.11	6X16	10.67	6X16	10.67
TOTAL		102.22		46.22		117.33		85.33
SQYDS				351.11				
TONS				197				

CONTRACT NO. 70141			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
74	*	CHAMPAIGN	115 40
* 1015-1-RS-1,14-1(RRS & 6RS-3)			



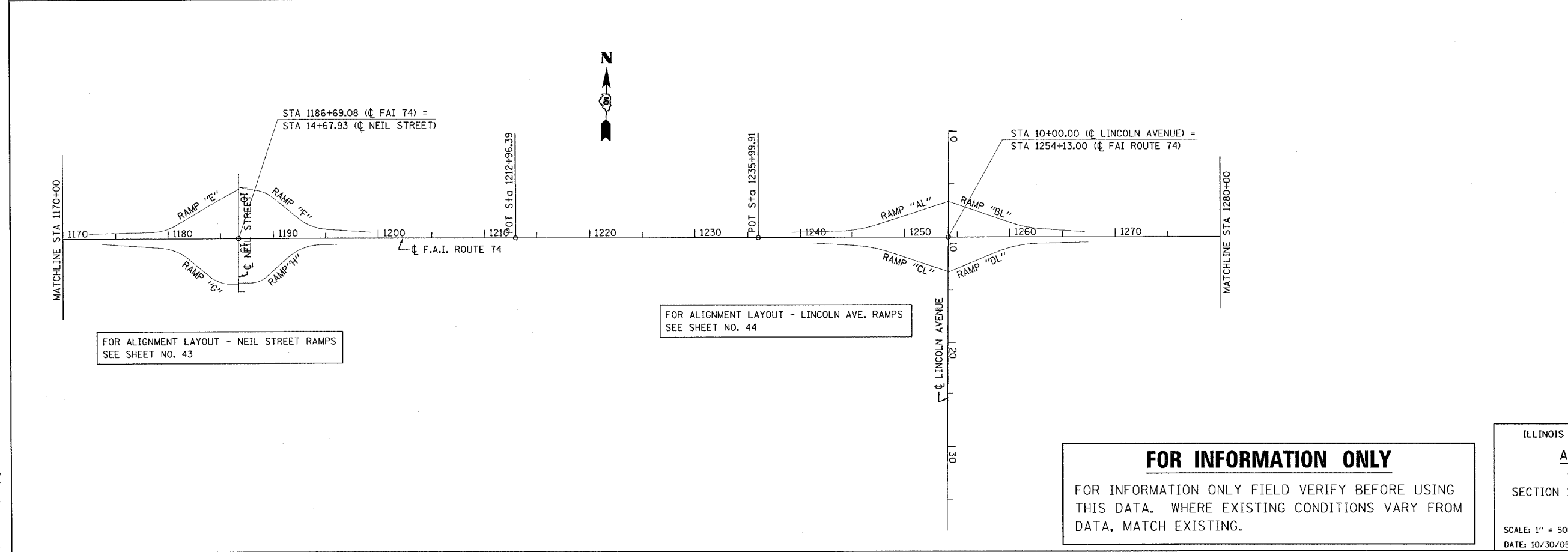
FOR ALIGNMENT LAYOUT - I-57 RAMP
SEE SHEET NO. 42

FOR ALIGNMENT LAYOUT - PROSPECT AVE. RAMP
SEE SHEET NO. 43

EXIST. CURVE C1
PI STA. = 1088+67.30
 $\Delta = 18^\circ 37' 57''$ (LT)
D = 0° 48' 50"
R = 7,040.65'
T = 1,155.00'
L = 2,289.60'
E = 94.11'
S.E. = -----
P.C. STA. = 1077+12.30
P.T. STA. = 1100+01.90

EXIST. CURVE C2
PI STA. = 1105+01.96
 $\Delta = 4^\circ 41' 02''$ (LT)
D = 0° 28' 07"
R = 12,227.03'
T = 500.06'
L = 999.55'
E = 10.22'
S.E. = -----
P.C. STA. = 1100+01.90
P.T. STA. = 1110+01.46

EXIST. CURVE C3
PI STA. = 1137+79.12
 $\Delta = 25^\circ 29' 45''$ (LT)
D = 0° 28' 00"
R = 12,277.57'
T = 2,777.66'
L = 5,463.35'
E = 310.29'
S.E. = -----
P.C. STA. = 1110+01.46
P.T. STA. = 1164+64.81



FOR ALIGNMENT LAYOUT - NEIL STREET RAMP
SEE SHEET NO. 43

FOR ALIGNMENT LAYOUT - LINCOLN AVE. RAMP
SEE SHEET NO. 44

FOR INFORMATION ONLY
FOR INFORMATION ONLY FIELD VERIFY BEFORE USING THIS DATA. WHERE EXISTING CONDITIONS VARY FROM DATA, MATCH EXISTING.

ILLINOIS DEPARTMENT OF TRANSPORTATION
ALIGNMENT LAYOUT
F.A.I. ROUTE 74
SECTION 10(5-1-RS-1,14-1(RRS & 6RS-3)
CHAMPAIGN COUNTY
SCALE: 1" = 500'
DATE: 10/30/05
DRAWN BY: CADD
CHECKED BY:

PLOT DATE = 11/10/2005
FILE NAME = c:\projects\105072000\105072000.dgn
PLOT SCALE = 1/8" = 100'
USER NAME = philipj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	41

* 10(5-1-RS-1,14-1(R)RS & 6RS-3)

EXIST. CURVE C4
 PI STA. = 1299+49.05
 $\Delta = 13^\circ 02' 43''$ (RT)
 D = 0° 29' 05"
 R = 11,820.52'
 T = 1,351.52'
 L = 2,691.36'
 E = 77.01'
 S.E. = -----
 P.C. STA. = 1285+97.53
 P.T. STA. = 1312+88.88

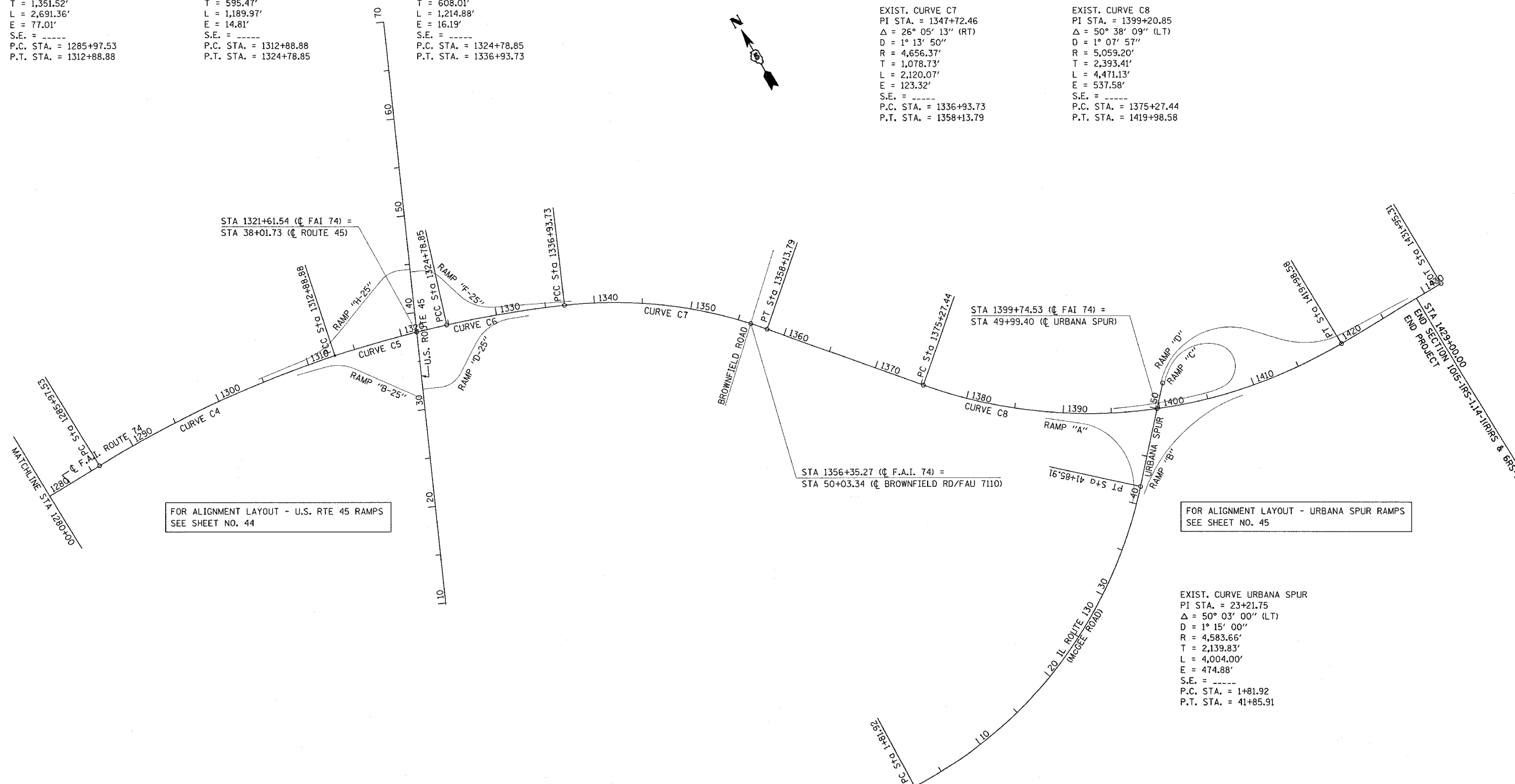
EXIST. CURVE C5
 PI STA. = 1318+84.36
 $\Delta = 5^\circ 41' 52''$ (RT)
 D = 0° 28' 44"
 R = 11,966.19'
 T = 595.47'
 L = 1,189.97'
 E = 14.81'
 S.E. = -----
 P.C. STA. = 1312+88.88
 P.T. STA. = 1324+78.85

EXIST. CURVE C6
 PI STA. = 1330+86.86
 $\Delta = 6^\circ 06' 11''$ (RT)
 D = 0° 30' 08"
 R = 11,405.33'
 T = 608.01'
 L = 1,214.88'
 E = 16.19'
 S.E. = -----
 P.C. STA. = 1324+78.85
 P.T. STA. = 1336+93.73

EXIST. CURVE C7
 PI STA. = 1347+72.46
 $\Delta = 26^\circ 05' 13''$ (RT)
 D = 1° 13' 50"
 R = 4,656.37'
 T = 1,078.73'
 L = 2,120.07'
 E = 123.32'
 S.E. = -----
 P.C. STA. = 1336+93.73
 P.T. STA. = 1358+13.79

EXIST. CURVE C8
 PI STA. = 1399+20.85
 $\Delta = 50^\circ 38' 09''$ (LT)
 D = 1° 07' 57"
 R = 5,059.20'
 T = 2,393.41'
 L = 4,471.13'
 E = 537.58'
 S.E. = -----
 P.C. STA. = 1375+27.44
 P.T. STA. = 1419+98.58

EXIST. CURVE URBANA SPUR
 PI STA. = 23+21.75
 $\Delta = 50^\circ 03' 00''$ (LT)
 D = 1° 15' 00"
 R = 4,583.66'
 T = 2,139.83'
 L = 4,004.00'
 E = 474.88'
 S.E. = -----
 P.C. STA. = 1+81.92
 P.T. STA. = 41+85.91



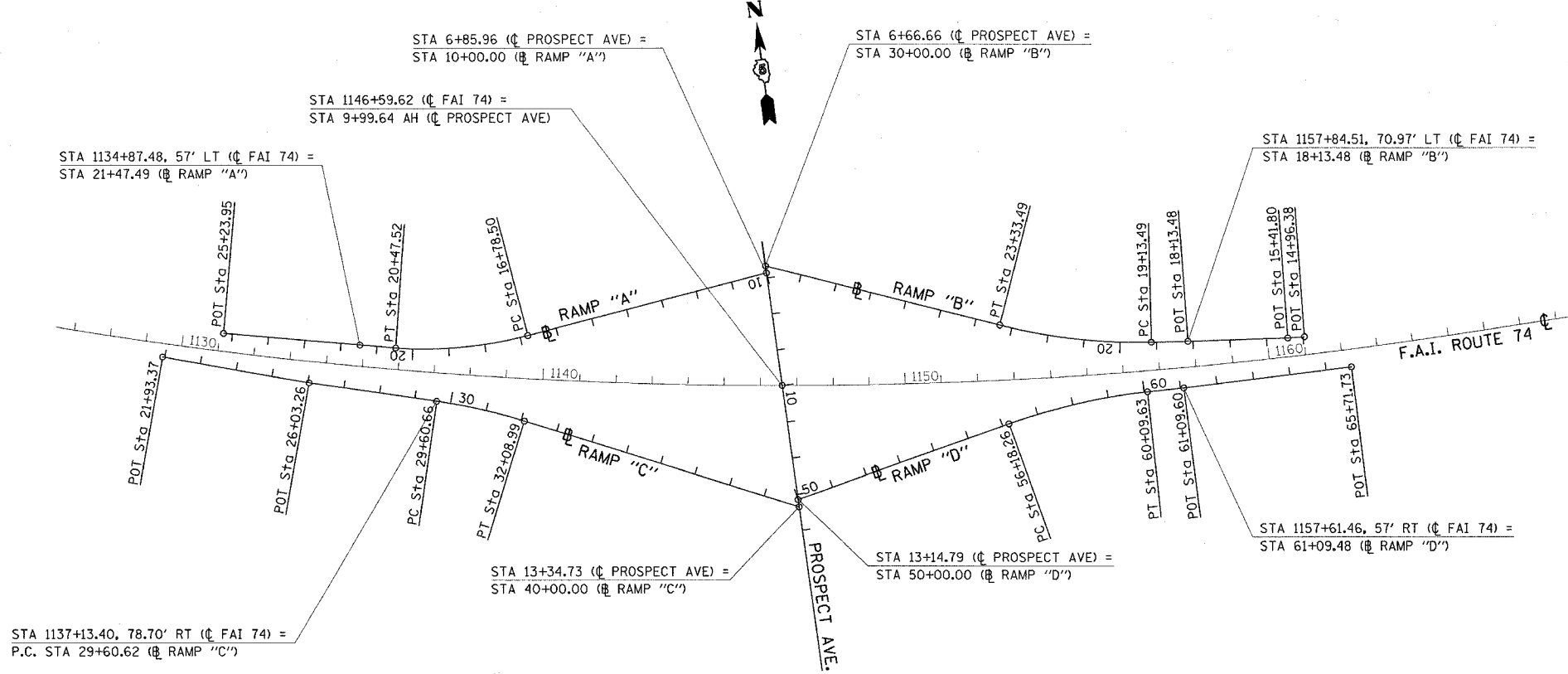
FOR ALIGNMENT LAYOUT - U.S. RTE 45 RAMPS
 SEE SHEET NO. 44

FOR ALIGNMENT LAYOUT - URBANA SPUR RAMPS
 SEE SHEET NO. 45

FOR INFORMATION ONLY
 FOR INFORMATION ONLY FIELD VERIFY BEFORE USING
 THIS DATA. WHERE EXISTING CONDITIONS VARY FROM
 DATA, MATCH EXISTING.

ILLINOIS DEPARTMENT OF TRANSPORTATION
ALIGNMENT LAYOUT
 F.A.I. ROUTE 74
 SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
 CHAMPAIGN COUNTY
 SCALE: 1" = 500'
 DATE: 10/30/05
 DRAWN BY: CADD
 CHECKED BY:

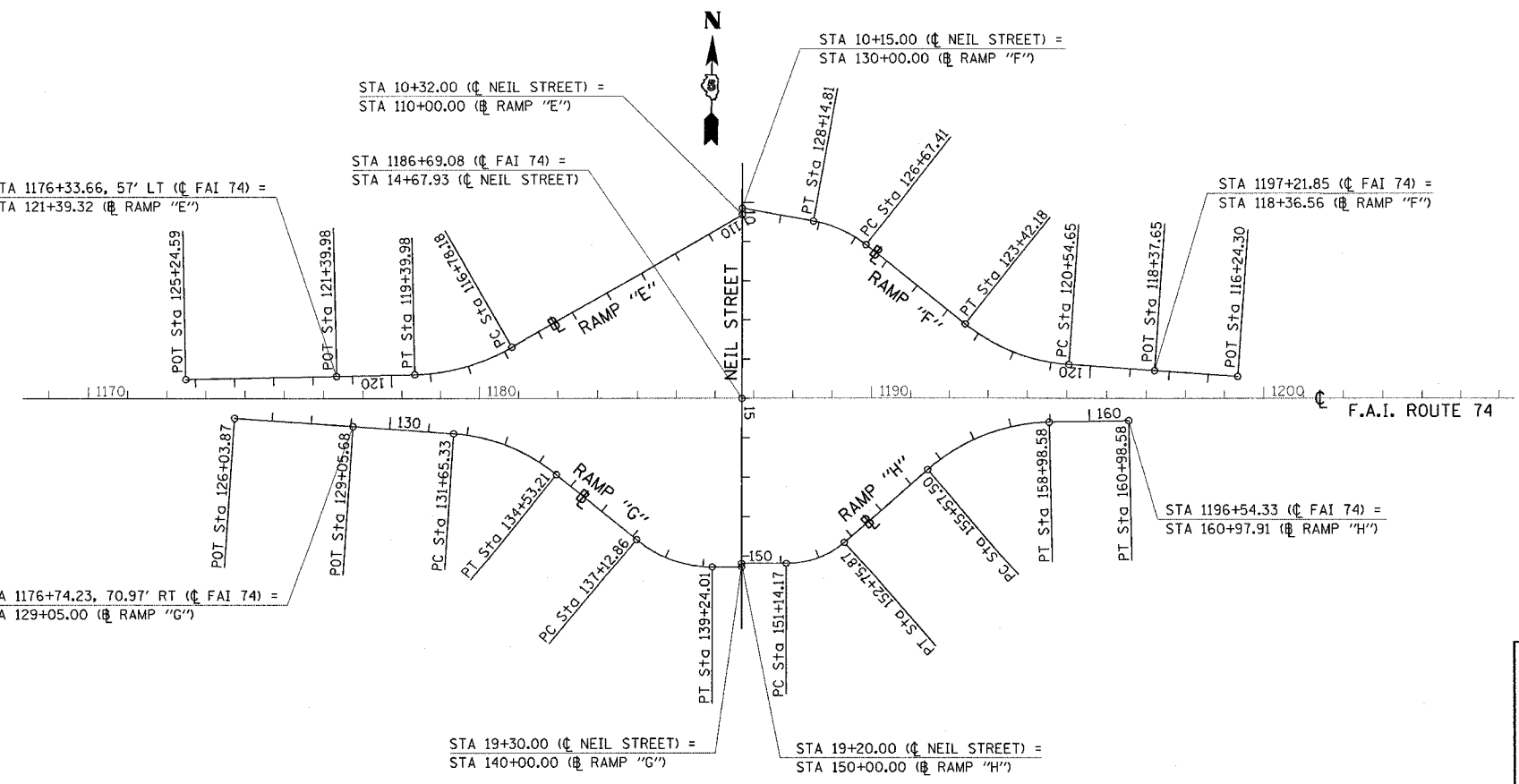
PLOT DATE = 11/10/2005
 FILE NAME = c:\nrc\p\p\10507000\10507000.dgn
 PLOT SCALE = 500.0000 / IN.
 USER NAME = philipsp



PROSPECT AVENUE

EXIST. CURVE RAMP "A"	EXIST. CURVE RAMP "B"
PI STA. = 18+64.67	PI STA. = 21+24.76
Δ = 18° 43' 27" (RT)	Δ = 15° 25' 39" (RT)
D = 5° 04' 27"	D = 3° 40' 23"
R = 1,129.18'	R = 1,559.84'
T = 186.17'	T = 211.28'
L = 369.02'	L = 420.00'
E = 15.24'	E = 14.24'
S.E. = -----	S.E. = -----
P.C. STA. = 16+78.50	P.C. STA. = 19+13.49
P.T. STA. = 20+47.52	P.T. STA. = 23+33.49

EXIST. CURVE RAMP "C"	EXIST. CURVE RAMP "D"
PI STA. = 30+85.10	PI STA. = 58+14.87
Δ = 9° 17' 00" (RT)	Δ = 13° 34' 08" (RT)
D = 3° 44' 18"	D = 3° 28' 01"
R = 1,532.67'	R = 1,652.59'
T = 124.44'	T = 196.60'
L = 248.33'	L = 391.37'
E = 5.04'	E = 11.65'
S.E. = -----	S.E. = -----
P.C. STA. = 29+60.66	P.C. STA. = 56+18.26
P.T. STA. = 32+08.99	P.T. STA. = 60+09.63



NEIL STREET

EXIST. CURVE RAMP "E"	EXIST. CURVE RAMP "F" (1)	EXIST. CURVE RAMP "F" (2)
PI STA. = 118+11.89	PI STA. = 122+02.94	PI STA. = 127+42.65
Δ = 28° 44' 34" (RT)	Δ = 34° 34' 42" (RT)	Δ = 28° 20' 27" (LT)
D = 10° 58' 44"	D = 12° 01' 34"	D = 19° 13' 36"
R = 521.87'	R = 476.43'	R = 298.00'
T = 133.72'	T = 148.29'	T = 75.24'
L = 261.80'	L = 287.53'	L = 147.40'
E = 16.86'	E = 22.55'	E = 9.35'
S.E. = -----	S.E. = -----	S.E. = -----
P.C. STA. = 116+78.18	P.C. STA. = 120+54.65	P.C. STA. = 126+67.41
P.T. STA. = 119+39.98	P.T. STA. = 123+42.18	P.T. STA. = 128+14.81

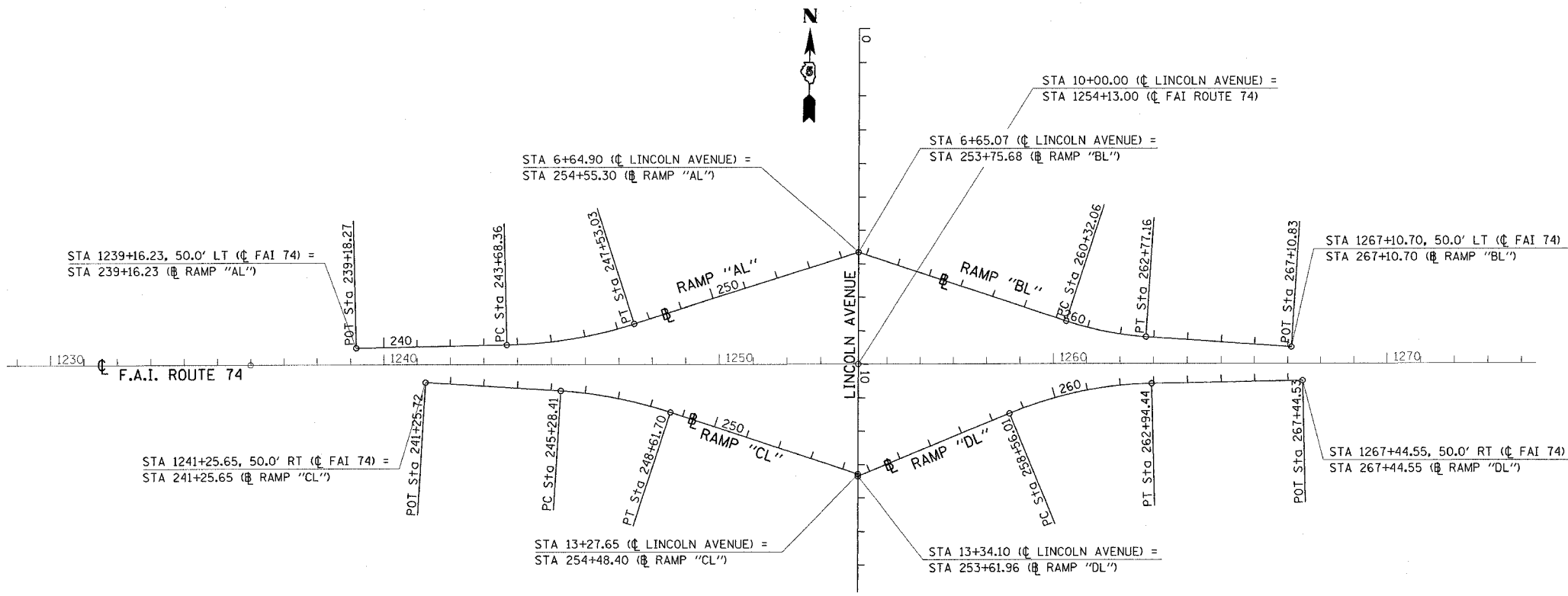
EXIST. CURVE RAMP "G" (1)	EXIST. CURVE RAMP "G" (2)	EXIST. CURVE RAMP "H" (1)	EXIST. CURVE RAMP "H" (2)
PI STA. = 133+13.99	PI STA. = 138+23.02	PI STA. = 151+98.69	PI STA. = 157+35.23
Δ = 35° 15' 54" (RT)	Δ = 40° 19' 38" (LT)	Δ = 41° 10' 30" (LT)	Δ = 39° 45' 35" (RT)
D = 12° 15' 00"	D = 19° 05' 55"	D = 25° 27' 53"	D = 11° 39' 26"
R = 467.72'	R = 300.00'	R = 225.00'	R = 491.51'
T = 148.66'	T = 110.16'	T = 84.52'	T = 177.73'
L = 287.88'	L = 211.15'	L = 161.69'	L = 341.08'
E = 23.06'	E = 19.59'	E = 15.35'	E = 31.15'
S.E. = -----	S.E. = -----	S.E. = -----	S.E. = -----
P.C. STA. = 131+65.33	P.C. STA. = 137+12.86	P.C. STA. = 151+14.17	P.C. STA. = 155+57.50
P.T. STA. = 134+53.21	P.T. STA. = 139+24.01	P.T. STA. = 152+75.87	P.T. STA. = 158+98.58

FOR INFORMATION ONLY
 FOR INFORMATION ONLY FIELD VERIFY BEFORE USING THIS DATA. WHERE EXISTING CONDITIONS VARY FROM DATA, MATCH EXISTING.

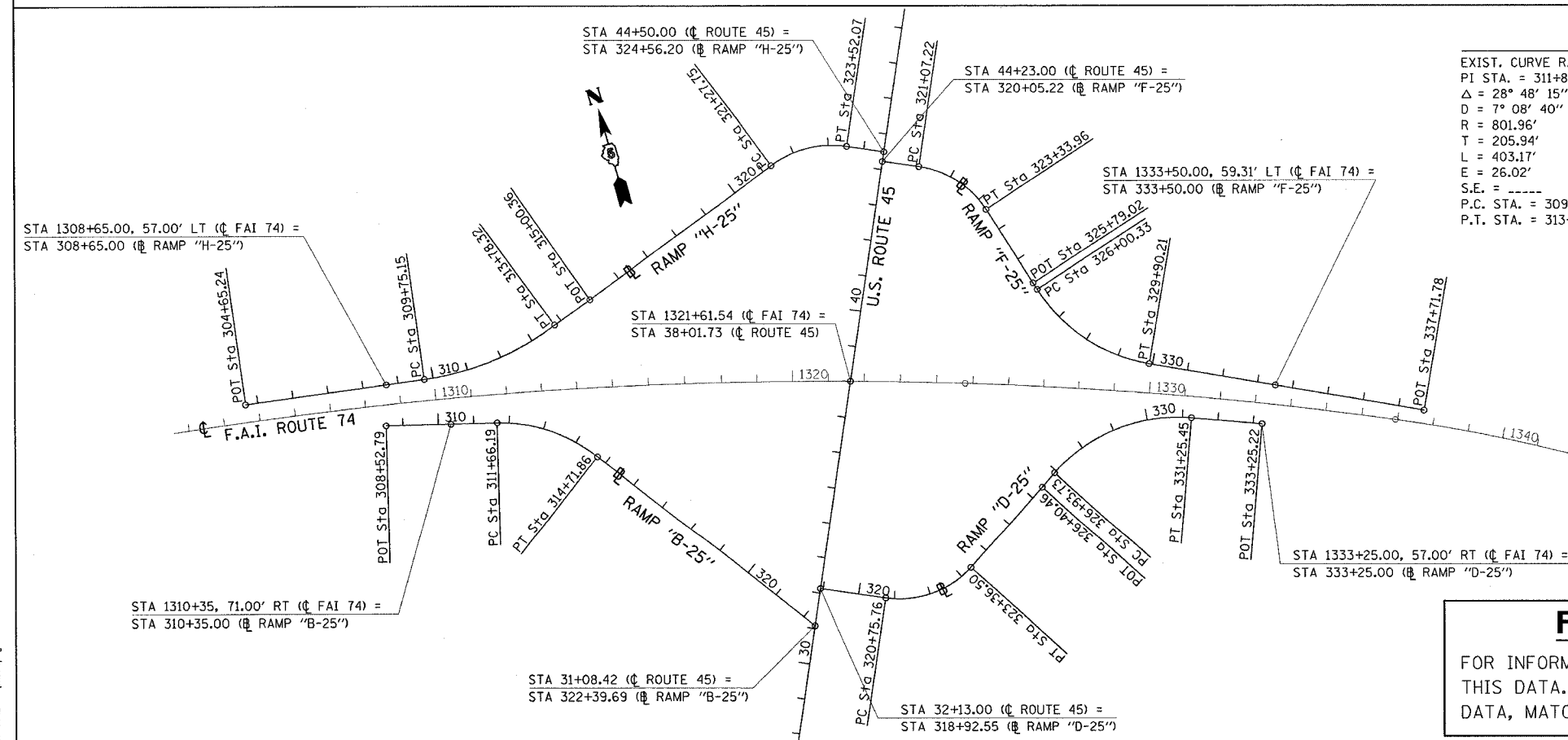
ILLINOIS DEPARTMENT OF TRANSPORTATION
ALIGNMENT LAYOUT
 F.A.I. ROUTE 74
 SECTION 10(5-1-RS-1,14-1(RRS & 6RS-3)
 CHAMPAIGN COUNTY
 SCALE: 1" = 200'
 DATE: 10/30/05
 DRAWN BY: CADD
 CHECKED BY:

PLOT DATE = 11/18/2005
 FILE NAME = c:\projects\70141\1015-1-RS-1,14-1(RRS & 6RS-3)\1015-1-RS-1,14-1(RRS & 6RS-3).dgn
 PLOT SCALE = 200.0000 / IN.
 USER NAME = philipj

CONTRACT NO. 70141			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
74	*	CHAMPAIGN	115
			SHEET NO. 44
* 1015-1-RS-1,14-1(R)RS & 6RS-3)			



LINCOLN AVENUE	
EXIST. CURVE RAMP "AL"	EXIST. CURVE RAMP "BL"
PI STA. = 245+62.04	PI STA. = 261+55.26
$\Delta = 16^\circ 32' 33''$ (LT)	$\Delta = 14^\circ 23' 58''$ (LT)
D = 4° 18' 02"	D = 5° 52' 29"
R = 1,332.31'	R = 975.27'
T = 193.68'	T = 123.20'
L = 384.67'	L = 245.10'
E = 14.00'	E = 7.75'
S.E. = -----	S.E. = -----
P.C. STA. = 243+68.36	P.C. STA. = 260+32.06
P.T. STA. = 247+53.03	P.T. STA. = 262+77.16
EXIST. CURVE RAMP "CL"	EXIST. CURVE RAMP "DL"
PI STA. = 246+95.93	PI STA. = 260+77.73
$\Delta = 14^\circ 20' 10''$ (RT)	$\Delta = 21^\circ 04' 53''$ (RT)
D = 4° 18' 05"	D = 4° 48' 30"
R = 1,332.03'	R = 1,191.56'
T = 167.52'	T = 221.72'
L = 333.29'	L = 438.43'
E = 10.49'	E = 20.45'
S.E. = -----	S.E. = -----
P.C. STA. = 245+28.41	P.C. STA. = 258+56.01
P.T. STA. = 248+61.70	P.T. STA. = 262+94.44



U.S. ROUTE 45			
EXIST. CURVE RAMP "H-25" (1)	EXIST. CURVE RAMP "H-25" (2)	EXIST. CURVE RAMP "B-25"	EXIST. CURVE RAMP "F-25" (1)
PI STA. = 311+81.09	PI STA. = 322+46.05	PI STA. = 313+25.32	PI STA. = 322+27.99
$\Delta = 28^\circ 48' 15''$ (LT)	$\Delta = 44^\circ 58' 52''$ (RT)	$\Delta = 39^\circ 18' 54''$ (RT)	$\Delta = 48^\circ 49' 16''$ (RT)
D = 7° 08' 40"	D = 20° 03' 08"	D = 12° 51' 42"	D = 21° 31' 54"
R = 801.96'	R = 285.73'	R = 445.48'	R = 266.10'
T = 205.94'	T = 118.30'	T = 159.13'	T = 120.77'
L = 403.17'	L = 224.32'	L = 305.67'	L = 226.74'
E = 26.02'	E = 23.52'	E = 27.57'	E = 26.12'
S.E. = -----	S.E. = -----	S.E. = -----	S.E. = -----
P.C. STA. = 309+75.15	P.C. STA. = 321+27.75	P.C. STA. = 311+66.19	P.C. STA. = 321+07.22
P.T. STA. = 313+78.32	P.T. STA. = 323+52.07	P.T. STA. = 314+71.86	P.T. STA. = 323+33.96
EXIST. CURVE RAMP "F-25" (2)	EXIST. CURVE RAMP "D-25" (1)	EXIST. CURVE RAMP "D-25" (2)	
PI STA. = 328+07.22	PI STA. = 322+17.87	PI STA. = 329+26.46	
$\Delta = 47^\circ 25' 13''$ (LT)	$\Delta = 56^\circ 34' 41''$ (LT)	$\Delta = 53^\circ 03' 14''$ (RT)	
D = 12° 09' 45"	D = 21° 41' 57"	D = 12° 17' 21"	
R = 471.08'	R = 264.05'	R = 466.24'	
T = 206.89'	T = 142.11'	T = 232.73'	
L = 389.89'	L = 260.74'	L = 431.72'	
E = 43.43'	E = 35.81'	E = 54.86'	
S.E. = -----	S.E. = -----	S.E. = -----	
P.C. STA. = 326+00.33	P.C. STA. = 320+75.76	P.C. STA. = 326+93.73	
P.T. STA. = 329+90.21	P.T. STA. = 323+36.50	P.T. STA. = 331+25.45	

PLOT DATE = 11/18/2005
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FOR INFORMATION ONLY

FOR INFORMATION ONLY FIELD VERIFY BEFORE USING THIS DATA. WHERE EXISTING CONDITIONS VARY FROM DATA, MATCH EXISTING.

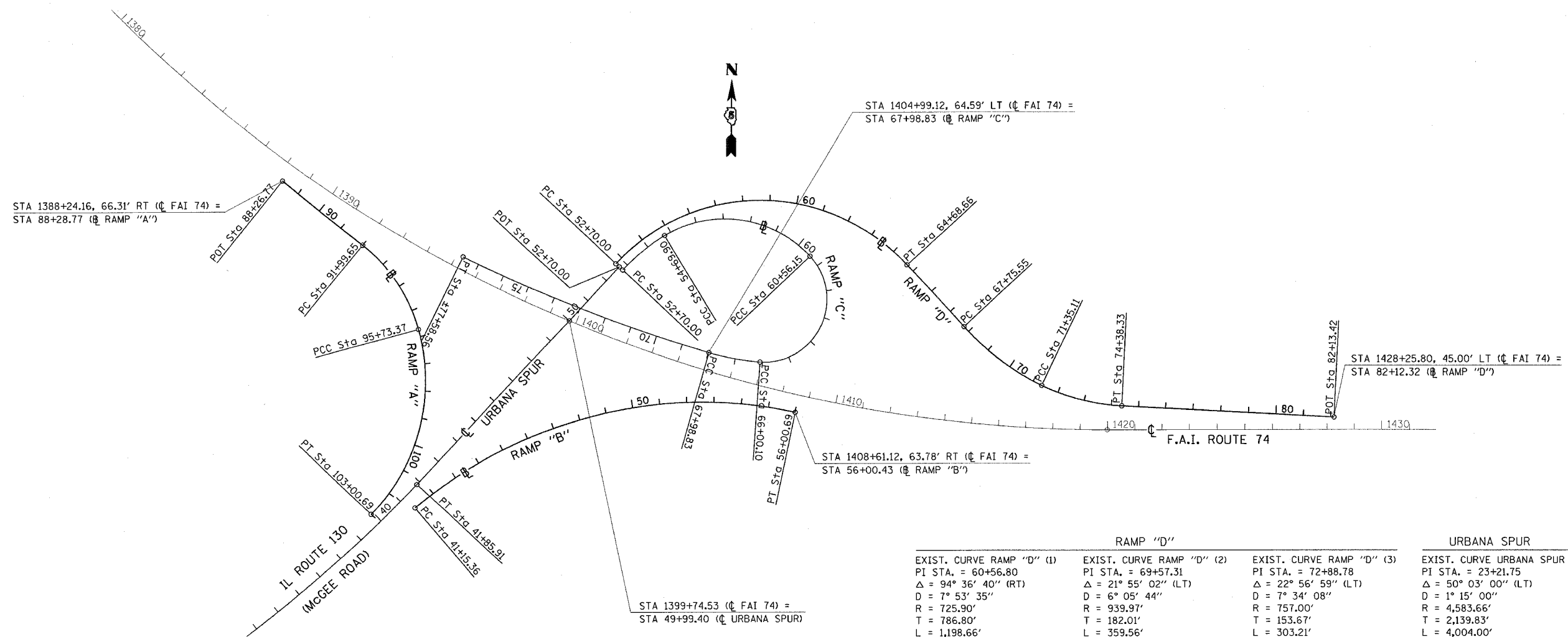
ILLINOIS DEPARTMENT OF TRANSPORTATION

ALIGNMENT LAYOUT

F.A.I. ROUTE 74
SECTION 1015-1-RS-1,14-1(R)RS & 6RS-3)
CHAMPAIGN COUNTY

SCALE: 1" = 200'
DATE: 10/30/05

DRAWN BY: CADD
CHECKED BY:



RAMP "C"		
EXIST. CURVE RAMP "C" (1)	EXIST. CURVE RAMP "C" (2)	EXIST. CURVE RAMP "C" (3)
PI STA. = 53+70.59	PI STA. = 58+18.82	PI STA. = 66+49.45
$\Delta = 15^\circ 47' 54''$ (RT)	$\Delta = 78^\circ 06' 52''$ (RT)	$\Delta = 137^\circ 39' 47''$ (RT)
D = 7° 54' 10"	D = 13° 19' 29"	D = 24° 56' 18"
R = 725.00'	R = 430.00'	R = 229.75'
T = 100.59'	T = 348.92'	T = 593.30'
L = 199.90'	L = 585.24'	L = 552.01'
E = 6.95'	E = 123.75'	E = 406.48'
S.E. = -----	S.E. = -----	S.E. = -----
P.C. STA. = 52+70.00	P.C.C. STA. = 54+69.90	P.C.C. STA. = 60+56.15
P.C.C. STA. = 54+69.90	P.C.C. STA. = 60+56.15	P.C.C. STA. = 66+00.10

EXIST. CURVE RAMP "C" (4)	EXIST. CURVE RAMP "C" (5)
PI STA. = 67+03.82	PI STA. = 73+77.26
$\Delta = 11^\circ 32' 50''$ (RT)	$\Delta = 9^\circ 42' 36''$ (RT)
D = 6° 03' 22"	D = 1° 00' 23"
R = 945.08'	R = 5,693.70'
T = 95.65'	T = 483.62'
L = 190.67'	L = 964.93'
E = 4.82'	E = 20.50'
S.E. = -----	S.E. = -----
P.C.C. STA. = 66+00.10	P.C.C. STA. = 67+98.83
P.C.C. STA. = 67+98.83	P.T. STA. = ±77+58.56

RAMP "D"			URBANA SPUR
EXIST. CURVE RAMP "D" (1)	EXIST. CURVE RAMP "D" (2)	EXIST. CURVE RAMP "D" (3)	EXIST. CURVE URBANA SPUR
PI STA. = 60+56.80	PI STA. = 69+57.31	PI STA. = 72+88.78	PI STA. = 23+21.75
$\Delta = 94^\circ 36' 40''$ (RT)	$\Delta = 21^\circ 55' 02''$ (LT)	$\Delta = 22^\circ 56' 59''$ (LT)	$\Delta = 50^\circ 03' 00''$ (LT)
D = 7° 53' 35"	D = 6° 05' 44"	D = 7° 34' 08"	D = 1° 15' 00"
R = 725.90'	R = 939.97'	R = 757.00'	R = 4,583.66'
T = 786.80'	T = 182.01'	T = 153.67'	T = 2,139.83'
L = 1,198.66'	L = 359.56'	L = 303.21'	L = 4,004.00'
E = 344.61'	E = 17.46'	E = 15.44'	E = 474.88'
S.E. = -----	S.E. = -----	S.E. = -----	S.E. = -----
P.C. STA. = 52+70.00	P.C. STA. = 67+75.55	P.C. STA. = 71+35.11	P.C. STA. = 1+81.92
P.T. STA. = 64+68.66	P.T. STA. = 71+35.11	P.T. STA. = 74+38.33	P.T. STA. = 41+85.91

RAMP "A"		RAMP "B"
EXIST. CURVE RAMP "A" (1)	EXIST. CURVE RAMP "A" (2)	EXIST. CURVE RAMP "B"
PI STA. = 93+92.79	PI STA. = 99+73.71	PI STA. = 49+14.83
$\Delta = 35^\circ 41' 16''$ (RT)	$\Delta = 59^\circ 31' 56''$ (RT)	$\Delta = 52^\circ 31' 58''$ (RT)
D = 9° 32' 57"	D = 8° 11' 06"	D = 3° 32' 12"
R = 600.00'	R = 700.00'	R = 1,620.00'
T = 193.15'	T = 400.34'	T = 799.47'
L = 373.72'	L = 727.32'	L = 1,485.33'
E = 30.32'	E = 106.40'	E = 186.53'
S.E. = -----	S.E. = -----	S.E. = -----
P.C. STA. = 91+99.65	P.C. STA. = 95+73.37	P.C. STA. = 41+15.36
P.T. STA. = 95+73.37	P.T. STA. = 103+00.69	P.T. STA. = 56+00.69

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ILLINOIS DEPARTMENT OF TRANSPORTATION
ALIGNMENT LAYOUT
F.A.I. ROUTE 74
SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
CHAMPAIGN COUNTY

SCALE: 1" = 200'
DATE: 10/30/05

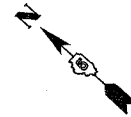
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CHECKED BY:

PLOT DATE = 11/19/2005
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USER NAME = phillips

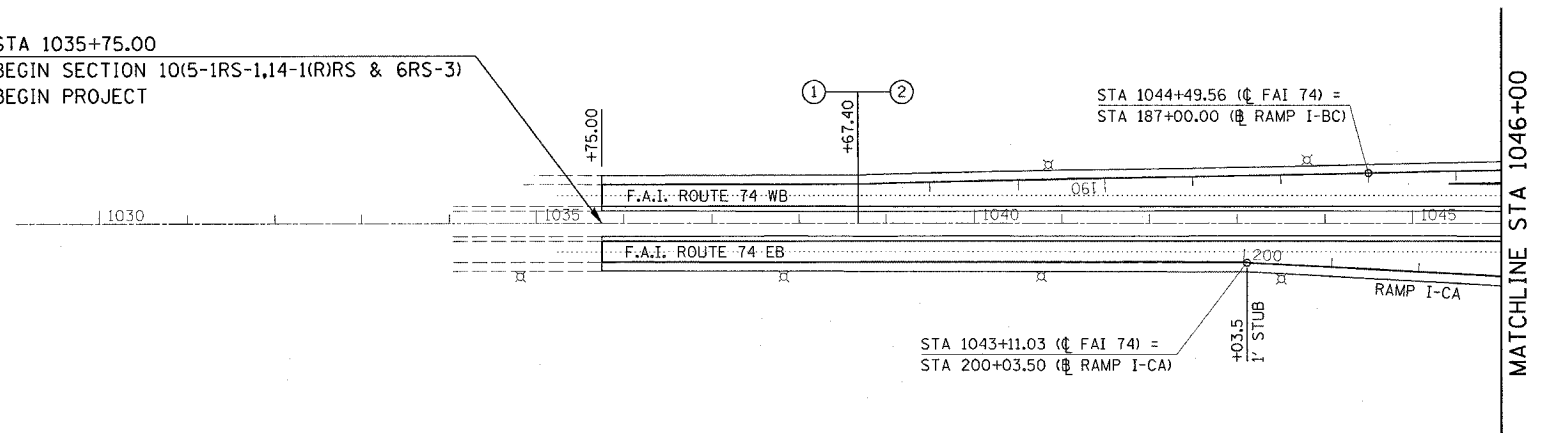
CONTRACT NO. 70141

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	46
STA. 1035+75		TO STA. 1046+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

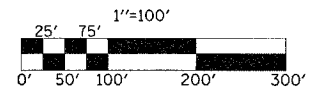
• 10(5-1-RS-1,14-1(R)RS & 6RS-3)



STA 1035+75.00
 BEGIN SECTION 10(5-1RS-1,14-1(R)RS & 6RS-3)
 BEGIN PROJECT



MATCHLINE STA 1046+00



SEC 34, T20N, R8E, 3rd PM

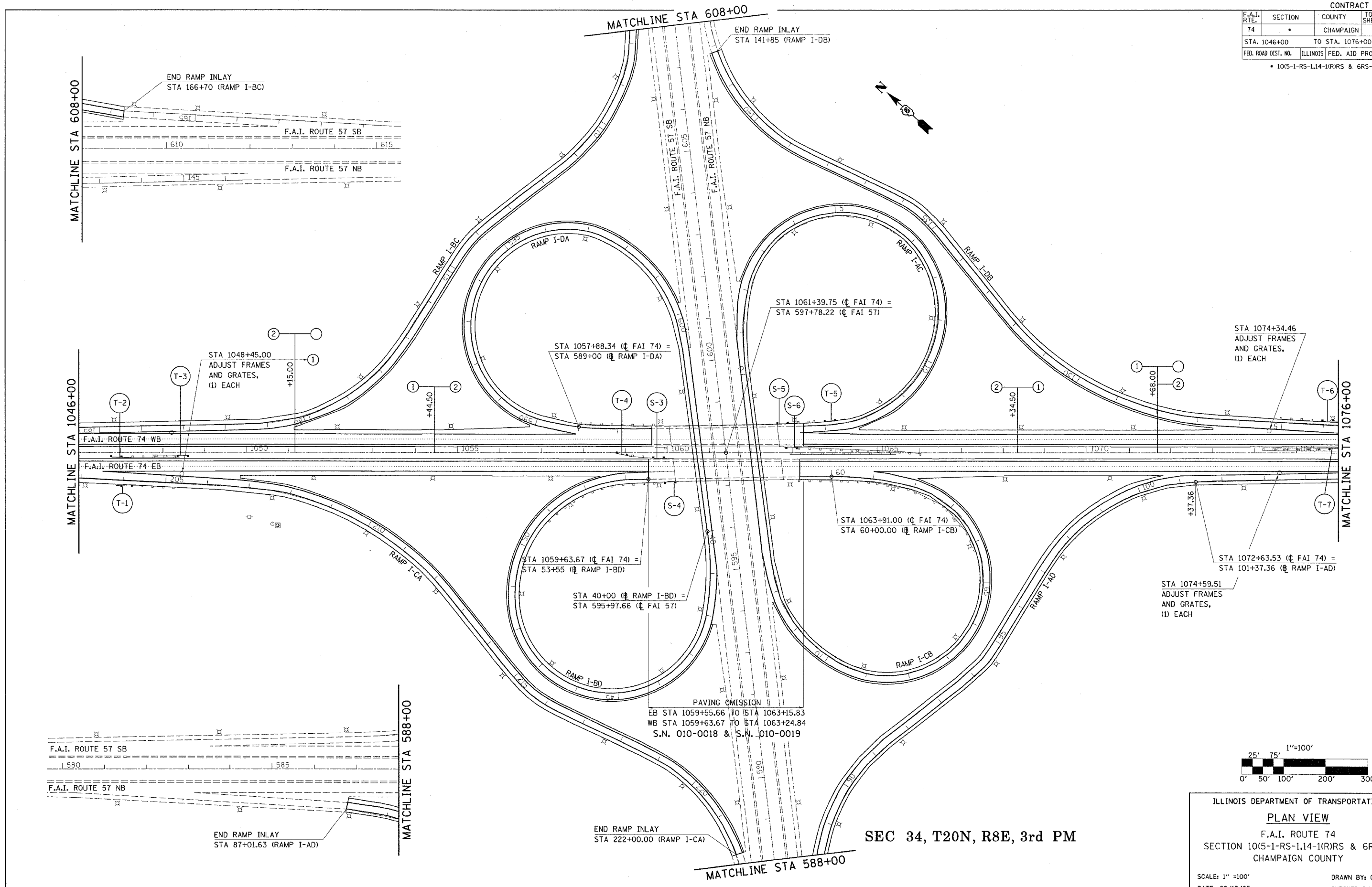
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 74
 SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
 CHAMPAIGN COUNTY

SCALE: 1" = 100'
 DATE: 06/13/05

DRAWN BY: CADD
 CHECKED BY:

PLOT DATE = 10/29/2005
 FILE NAME = c:\projects\70141\plan103.dgn
 PLOT SCALE = 100.0000 / IN.
 USER NAME = phillipsj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	47
STA. 1046+00		TO STA. 1076+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• 10/5-1-RS-1,14-1(R)RS & 6RS-3				



PLOT DATE = 11/18/2005
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SEC 34, T20N, R8E, 3rd PM

ILLINOIS DEPARTMENT OF TRANSPORTATION

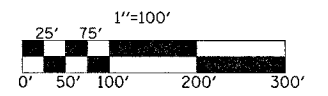
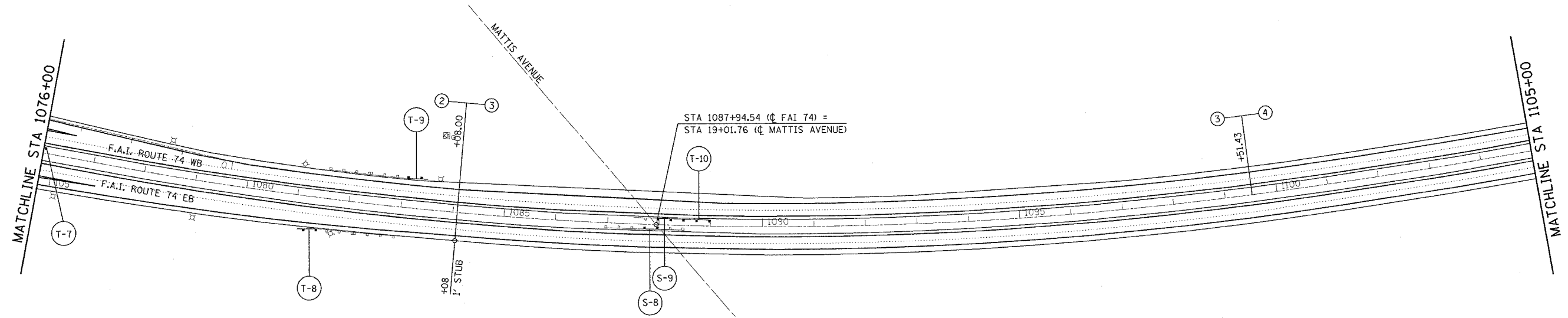
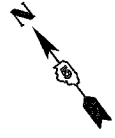
PLAN VIEW

F.A.I. ROUTE 74
SECTION 10/5-1-RS-1,14-1(R)RS & 6RS-3
CHAMPAIGN COUNTY

SCALE: 1" = 100'
DATE: 06/13/05

DRAWN BY: CADD
CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	48
STA. 1076+00		TO STA. 1105+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• 1015-1-RS-1,14-1(R)RS & 6RS-3)				



SEC 3, T19N, R8E, 3rd PM

SEC 2, T19N, R8E, 3rd PM

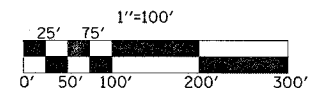
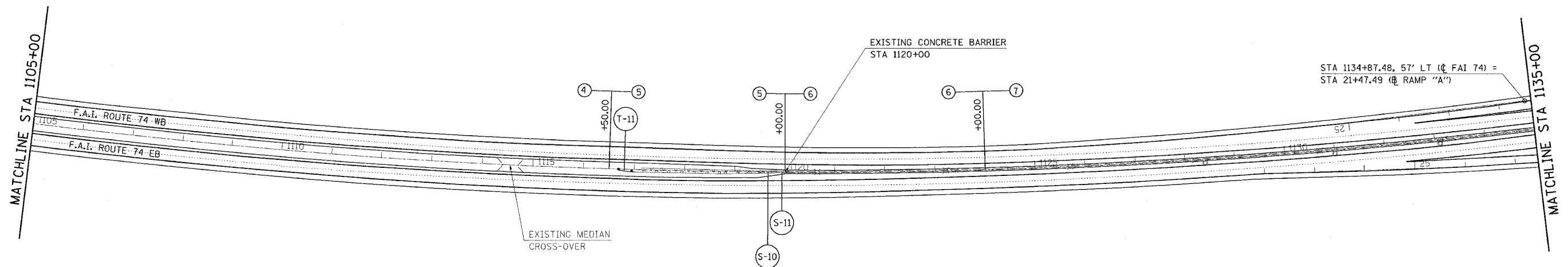
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 74
 SECTION 1015-1-RS-1,14-1(R)RS & 6RS-3)
 CHAMPAIGN COUNTY

SCALE: 1" = 100'
 DATE: 06/13/05

DRAWN BY: CADD
 CHECKED BY:

PLOT DATE = 10/29/2005
 FILE NAME = s:\projects\1015-1-RS-1,14-1(R)RS & 6RS-3)\IN.
 PLOT SCALE = 100.0000 / IN.
 USER NAME = philipsj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	49
STA. 1105+00		TO STA. 1135+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 10/5-1-RS-1,14-1(R)RS & 6RS-3)				



SEC 2, T19N, R8E, 3rd PM

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 74
 SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
 CHAMPAIGN COUNTY

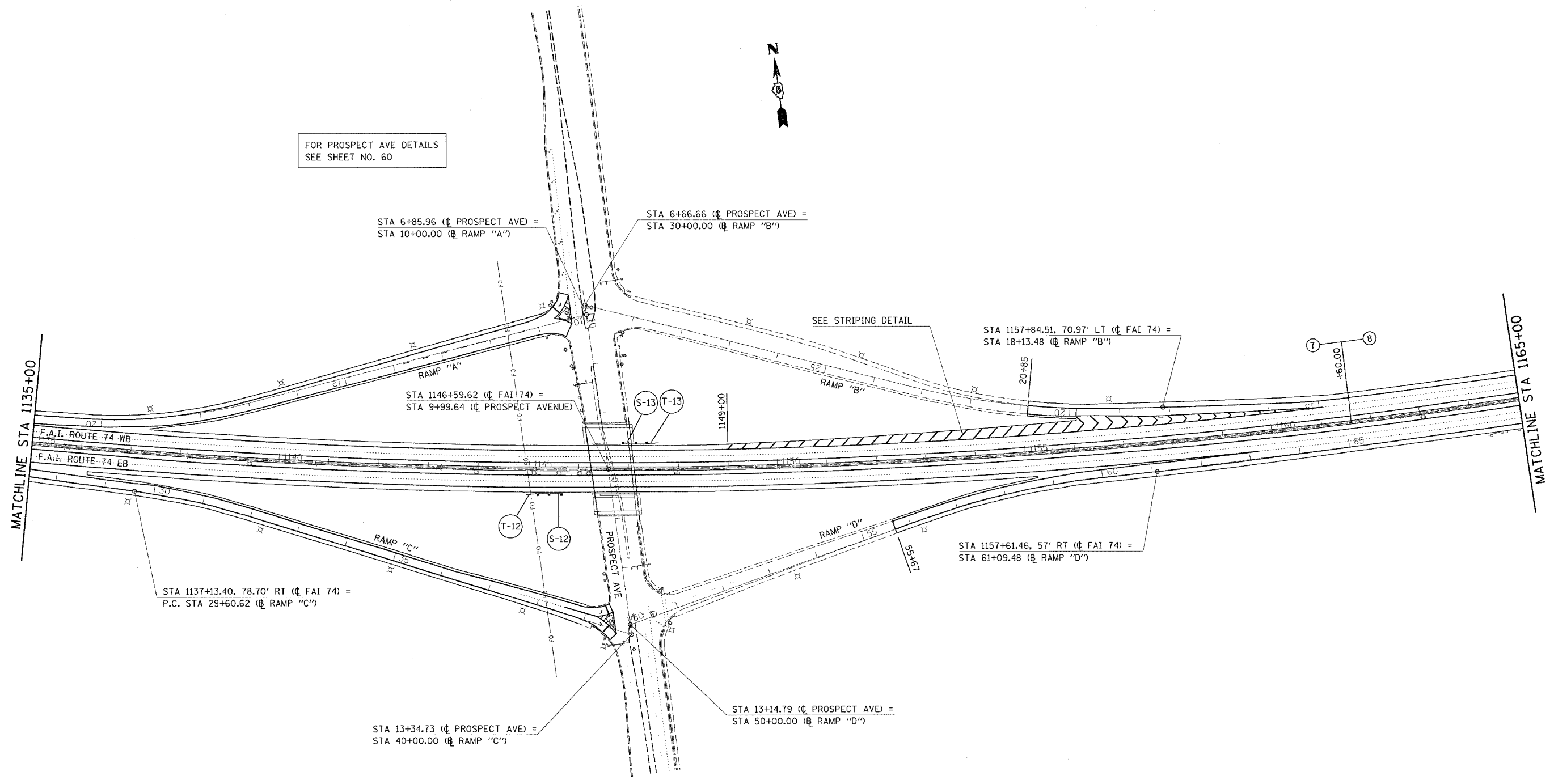
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PLOT DATE = 10/25/2005
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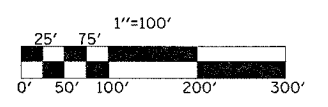
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	50
STA. 1135+00		TO STA. 1165+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• 1045-1-RS-1,14-1(R)RS & 6RS-3)				

FOR PROSPECT AVE DETAILS
SEE SHEET NO. 60



SEC 2, T19N, R8E, 3rd PM

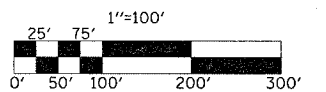
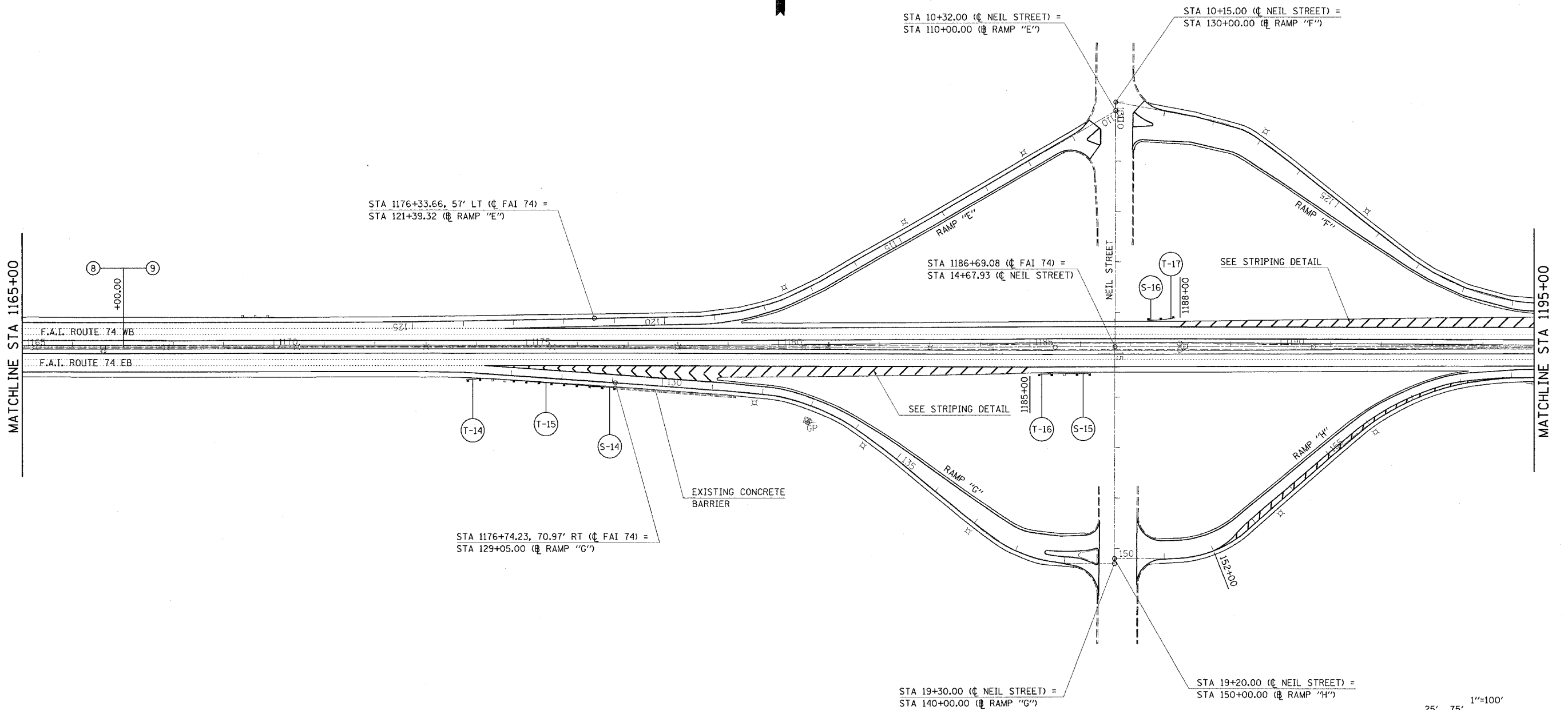
SEC 1, T19N, R8E, 3rd PM



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 74
 SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
 CHAMPAIGN COUNTY
 SCALE: 1" = 100'
 DATE: 06/13/05
 DRAWN BY: CADD
 CHECKED BY:

PLOT DATE = 10/25/2005
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 USER NAME = philiprj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	51
STA. 1165+00		TO STA. 1195+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 10(5-1-RS-1,14-1(R)RS & 6RS-3)				



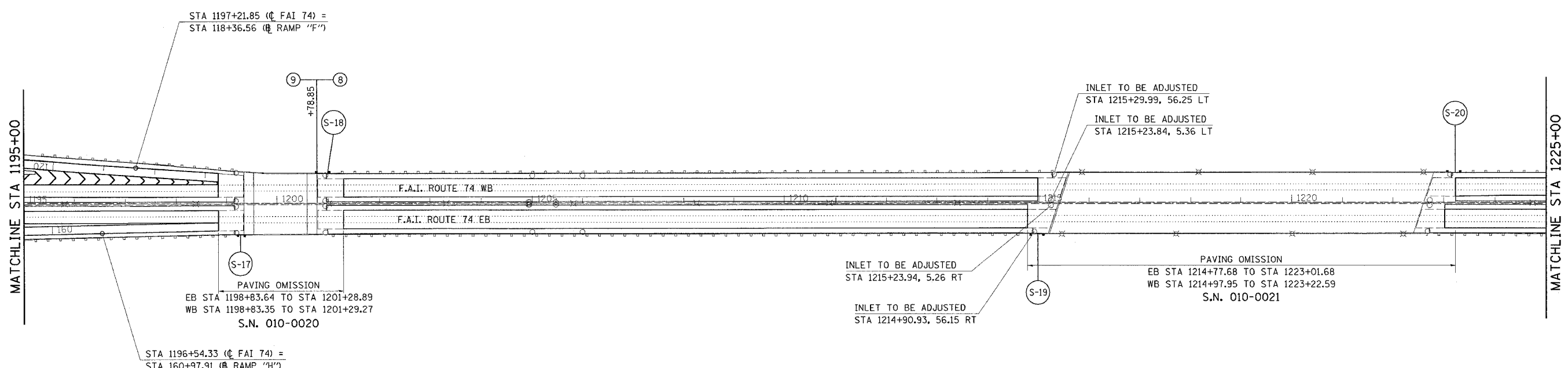
SEC 1, T19N, R8E, 3rd PM

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 74
 SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
 CHAMPAIGN COUNTY

SCALE: 1" = 100'
 DATE: 06/13/05
 DRAWN BY: CADD
 CHECKED BY:

PLOT DATE = 10/29/2005
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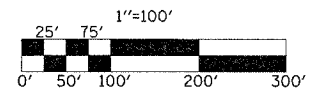
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	52
STA. 1195+00		TO STA. 1225+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 10/5-1-RS-1,14-1(R)RS & 6RS-3)				



PLOT DATE = 10/13/05
 FILE NAME = c:\p\projects\1007000\1007000.dgn
 PLOT SCALE = 1/8"=1'-0" / IN.
 USER NAME = philipj

SEC 1, T19N, R8E, 3rd PM

SEC 6, T19N, R9E, 3rd PM



ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN VIEW

F.A.I. ROUTE 74

SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)

CHAMPAIGN COUNTY

SCALE: 1" = 100'

DATE: 06/13/05

DRAWN BY: CADD

CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	53
STA. 1225+00 TO STA. 1255+50				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 10(5-1-RS-1,14-1(R)RS & 6RS-3)				



STA 6+65.07 (C LINCOLN AVENUE) =
STA 253+75.68 (RAMP "BL")

STA 6+64.90 (C LINCOLN AVENUE) =
STA 254+55.30 (RAMP "AL")

STA 1239+16.23, 50.0' LT (C FAI 74) =
STA 239+16.23 (RAMP "AL")

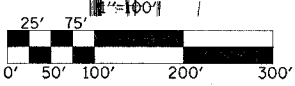
STA 1241+25.65, 50.0' RT (C FAI 74) =
STA 241+25.65 (RAMP "CL")

73700100 REMOVE GROUND-MOUNTED SIGN SUPPORT
RAMP "CL"
STA 251+70, 23' RT - 1 EACH
STA 249+42, 26' RT - 1 EACH
STA 246+28, 26' RT - 1 EACH

FOR LINCOLN AVE AND RAMP "CL"
DETAILS SEE SHEET NOS. 61 AND 62

STA 13+27.65 (C LINCOLN AVENUE) =
STA 254+48.40 (RAMP "CL")

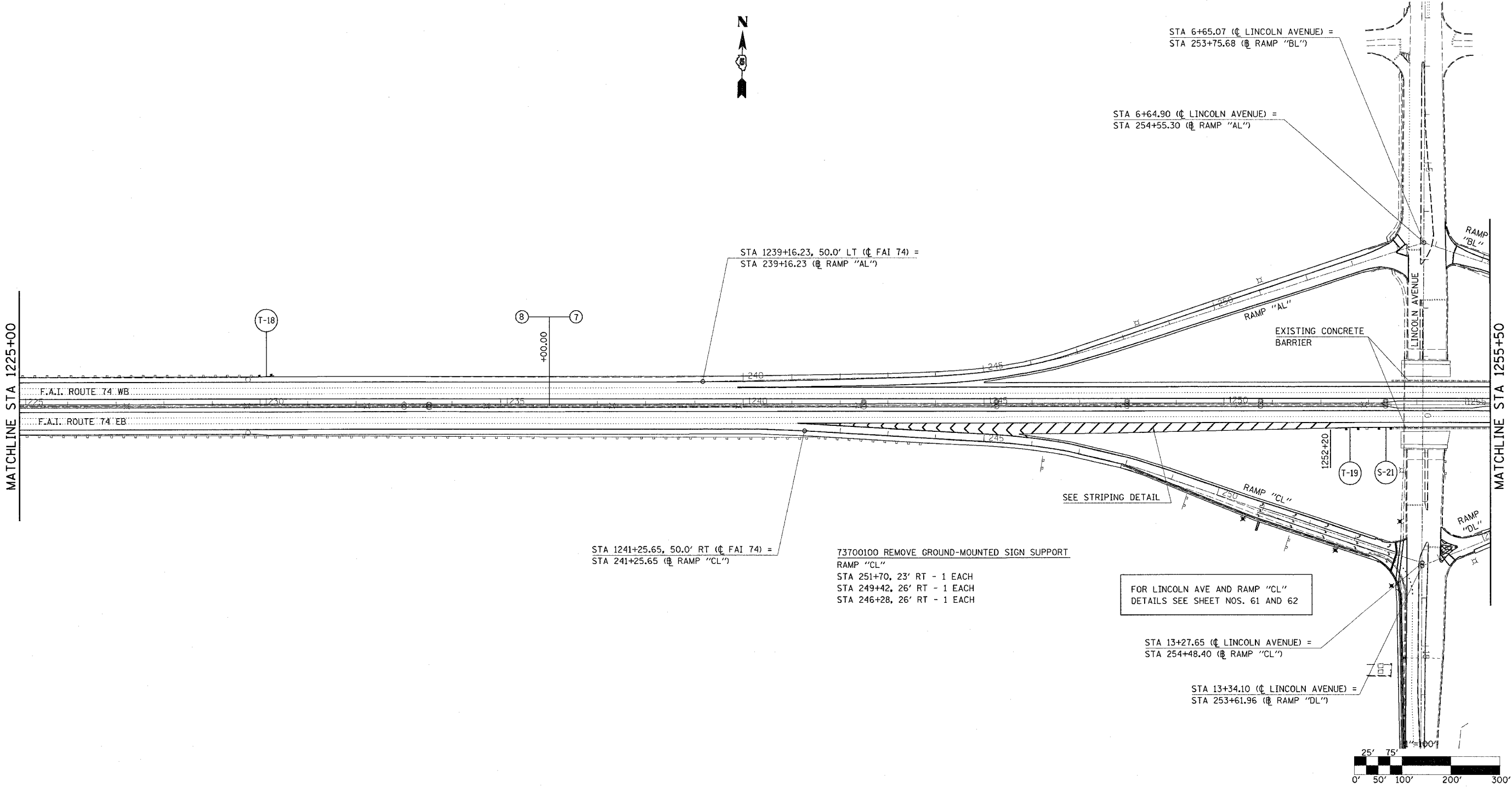
STA 13+34.10 (C LINCOLN AVENUE) =
STA 253+61.96 (RAMP "DL")



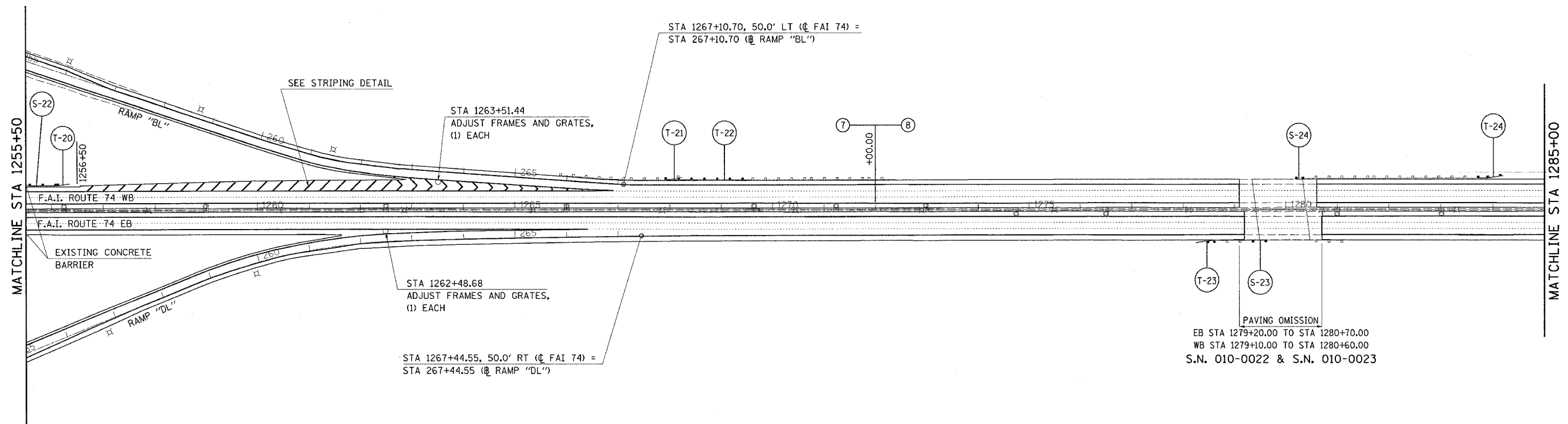
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
F.A.I. ROUTE 74
SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
CHAMPAIGN COUNTY
SCALE: 1" = 100'
DATE: 06/13/05
DRAWN BY: CADD
CHECKED BY:

SEC 6, T19N, R9E, 3rd PM

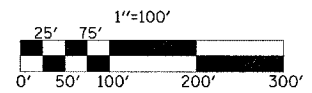
PLOT DATE = 11/10/2005
FILE NAME = c:\projects\74\10(5-1-RS-1,14-1(R)RS & 6RS-3)\plan10.dgn
PLOT SCALE = 1/8" = 100'
USER NAME = phillips



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	54
STA. 1255+50 TO STA. 1285+00				
FED. ROAD DIST. NO. ILLINOIS			FED. AID PROJECT	
• 1045-1-RS-1,14-1(R)RS & 6RS-3)				



SEC 5, T19N, R9E, 3rd PM

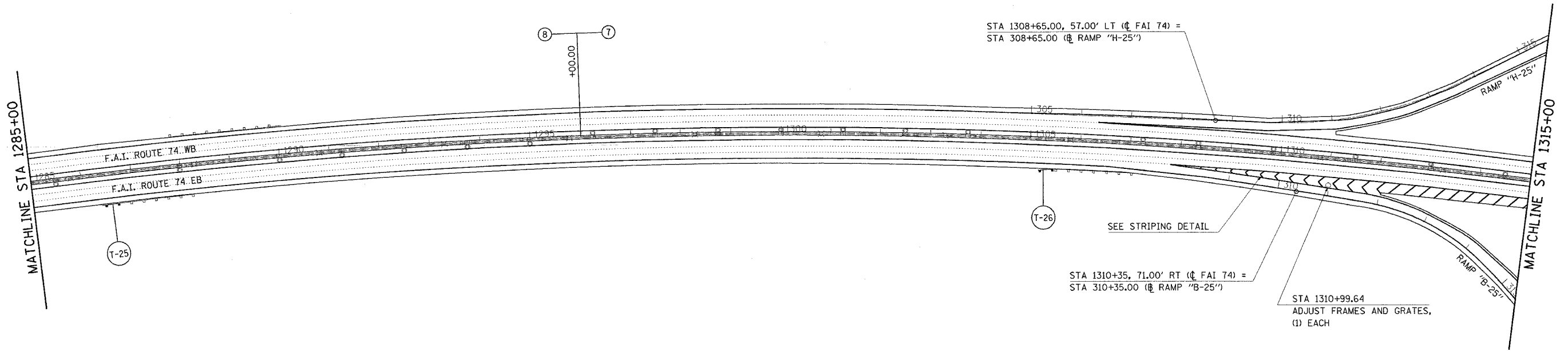


ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 74
 SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
 CHAMPAIGN COUNTY
 SCALE: 1" = 100'
 DATE: 06/13/05
 DRAWN BY: CADD
 CHECKED BY:

PLOT DATE = 11/18/2005
 FILE NAME = c:\projects\0507000\0507000.dgn
 PLOT SCALE = 1/8"=100' / IN.
 USER NAME = philipar

CONTRACT NO. 70141

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	55
STA. 1285+00		TO STA. 1315+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• 10(5-1-RS-1,14-1(R)RS & 6RS-3)				

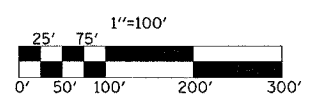


STA 1308+65.00, 57.00' LT (C FAI 74) =
STA 308+65.00 (RAMP "H-25")

STA 1310+35, 71.00' RT (C FAI 74) =
STA 310+35.00 (RAMP "B-25")

STA 1310+99.64
ADJUST FRAMES AND GRATES,
(1) EACH

SEE STRIPING DETAIL



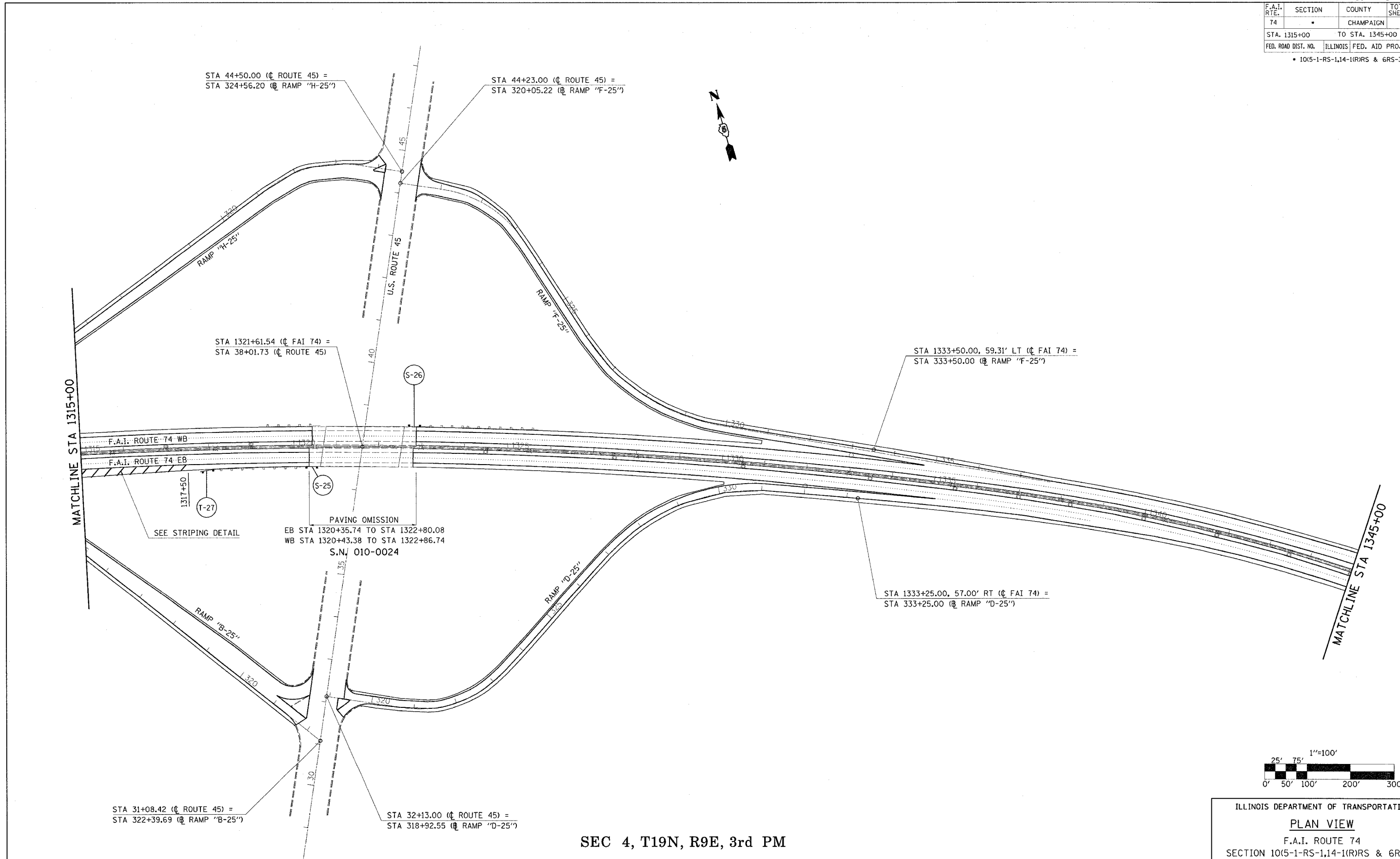
SEC 5, T19N, R9E, 3rd PM

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 74
 SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
 CHAMPAIGN COUNTY
 SCALE: 1" = 100'
 DATE: 06/13/05
 DRAWN BY: CADD
 CHECKED BY:

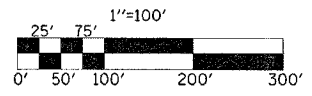
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 PLOT SCALE = 100,0000 / IN.
 USER NAME = philipjp

CONTRACT NO. 70141

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	56
STA. 1315+00		TO STA. 1345+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 10(5-1-RS-1,14-1(R)RS & 6RS-3)				



PLOT DATE = 10/24/2005
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 USER NAME = PHILLIP



SEC 4, T19N, R9E, 3rd PM

ILLINOIS DEPARTMENT OF TRANSPORTATION

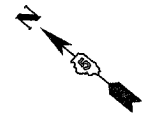
PLAN VIEW

F.A.I. ROUTE 74
 SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
 CHAMPAIGN COUNTY

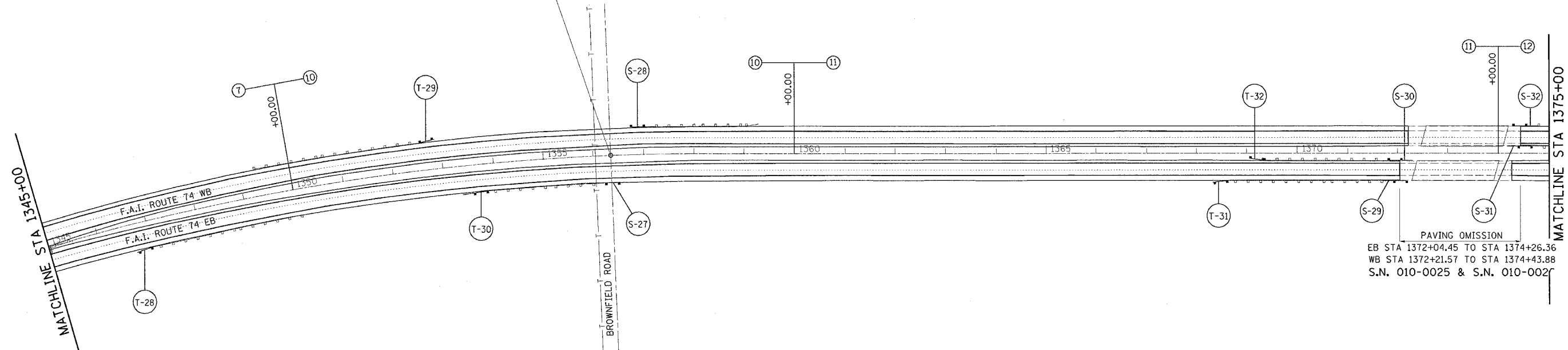
SCALE: 1" = 100'
 DATE: 06/13/05

DRAWN BY: CADD
 CHECKED BY:

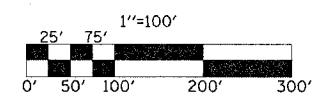
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	57
STA. 1345+00		TO STA. 1375+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 10(5-1-RS-1,14-1(R)RS & 6RS-3)				



STA 1356+35.27 (C F.A.I. 74) =
 STA 50+03.34 (C BROWNFIELD RD/FAU 7110)



PAVING OMISSION
 EB STA 1372+04.45 TO STA 1374+26.36
 WB STA 1372+21.57 TO STA 1374+43.88
 S.N. 010-0025 & S.N. 010-0027

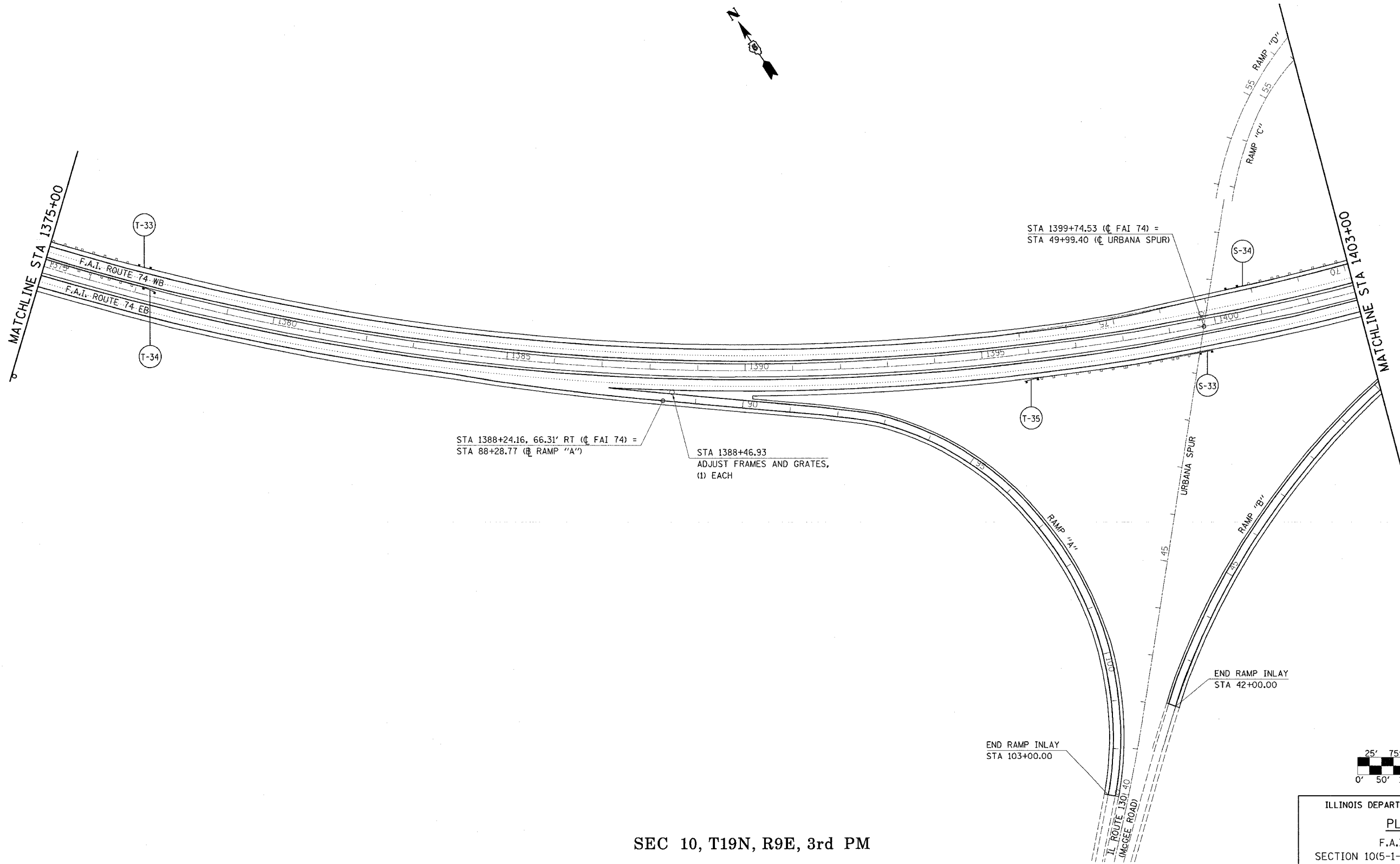
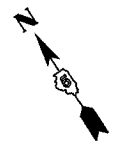


SEC 4, T19N, R9E, 3rd PM

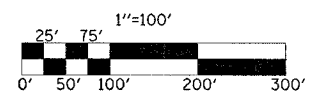
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 74
 SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
 CHAMPAIGN COUNTY
 SCALE: 1" = 100'
 DATE: 06/13/05
 DRAWN BY: CADD
 CHECKED BY:

PLOT DATE = 10/29/2005
 FILE NAME = c:\projects\6507000\68\plan108.dgn
 PLOT SCALE = 1/8"=1'-0" / IN.
 USER NAME = philipj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	58
STA. 1375+00		TO STA. 1403+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 105-1-RS-1,14-1(R)RS & 6RS-3				



SEC 10, T19N, R9E, 3rd PM

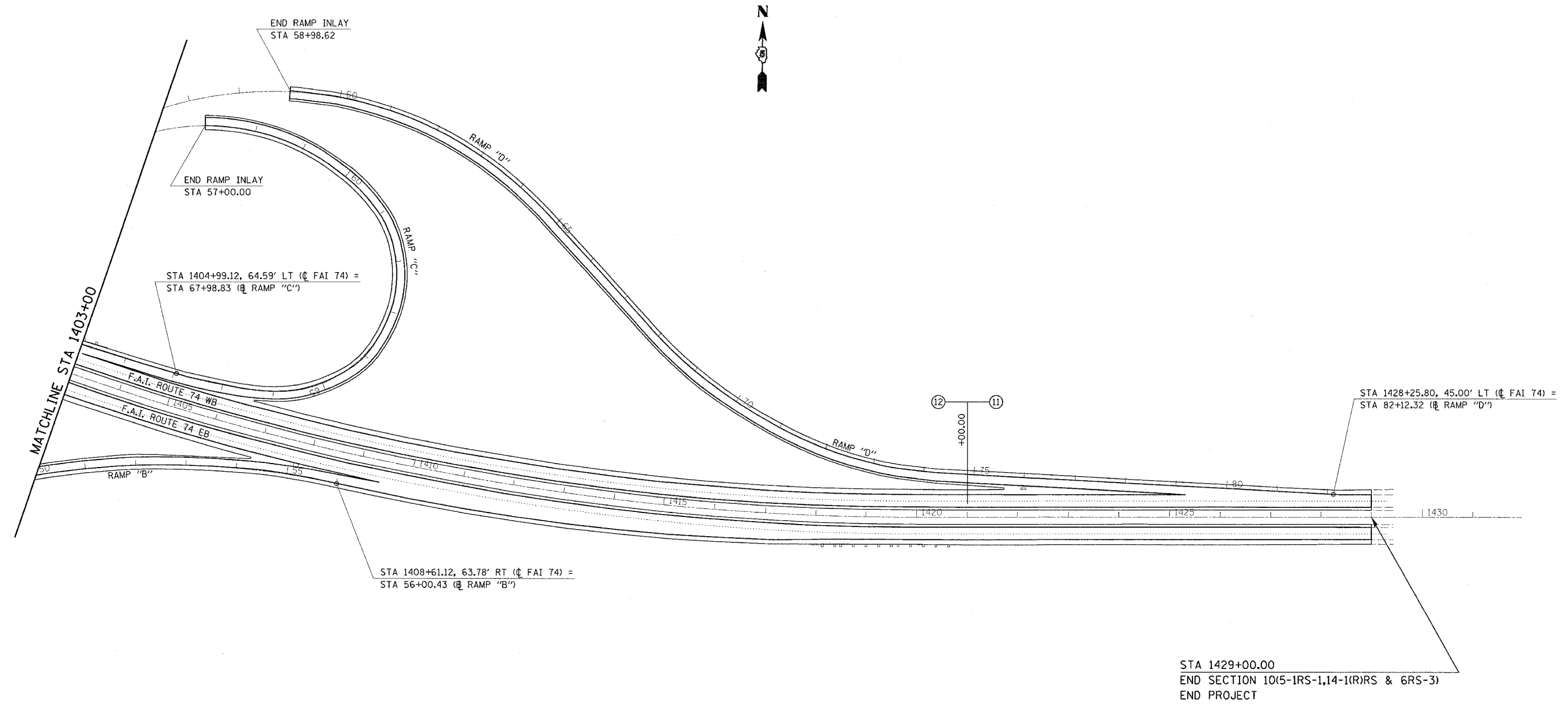


ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 74
 SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
 CHAMPAIGN COUNTY
 SCALE: 1" = 100'
 DATE: 06/13/05
 DRAWN BY: CADD
 CHECKED BY:

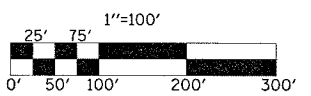
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 USER NAME = philippej

CONTRACT NO. 70141

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	59
STA. 1403+00		TO STA. 1429+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• 10(5-1-RS-1,14-1(R)RS & 6RS-3)				



SEC 10, T19N, R9E, 3rd PM



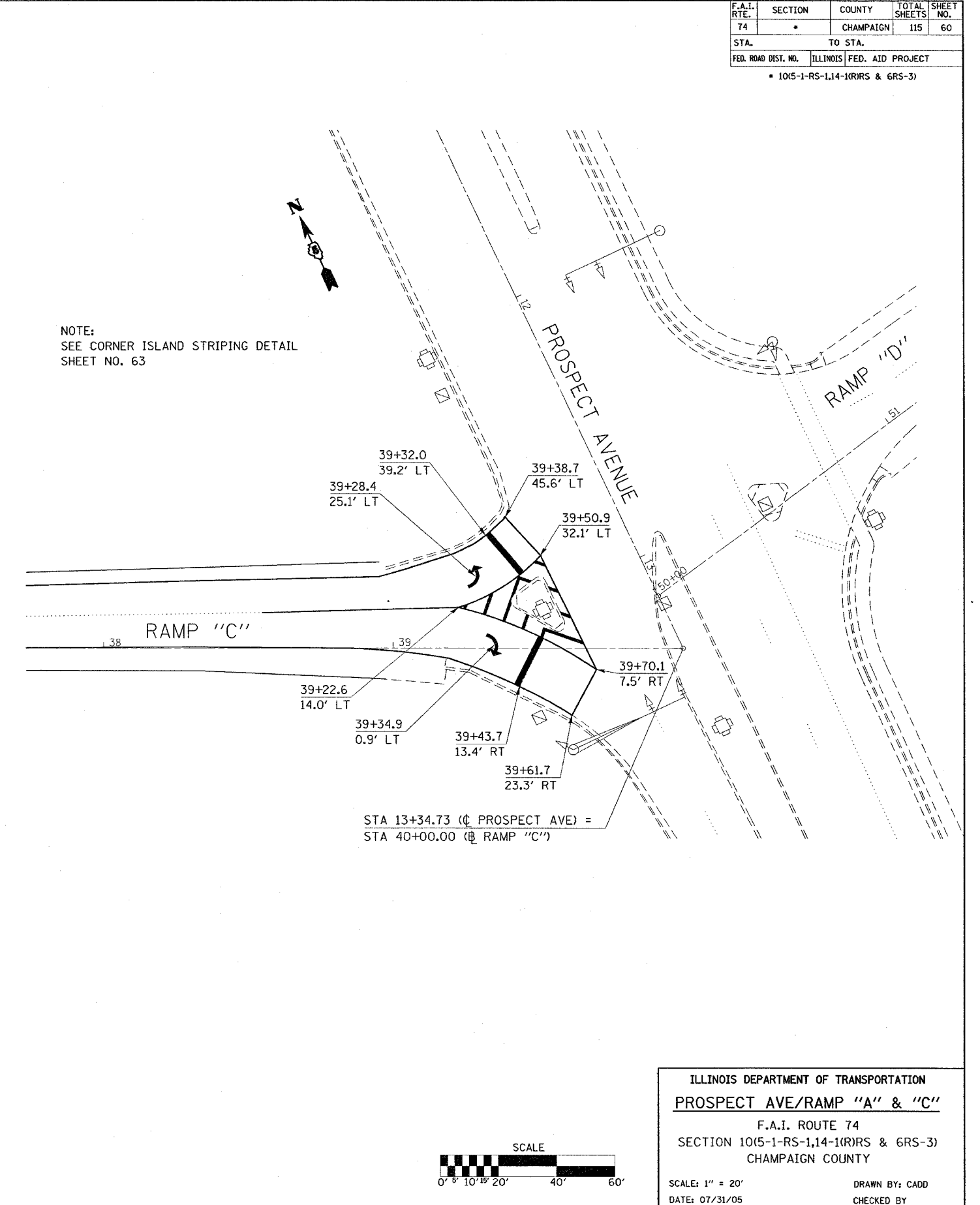
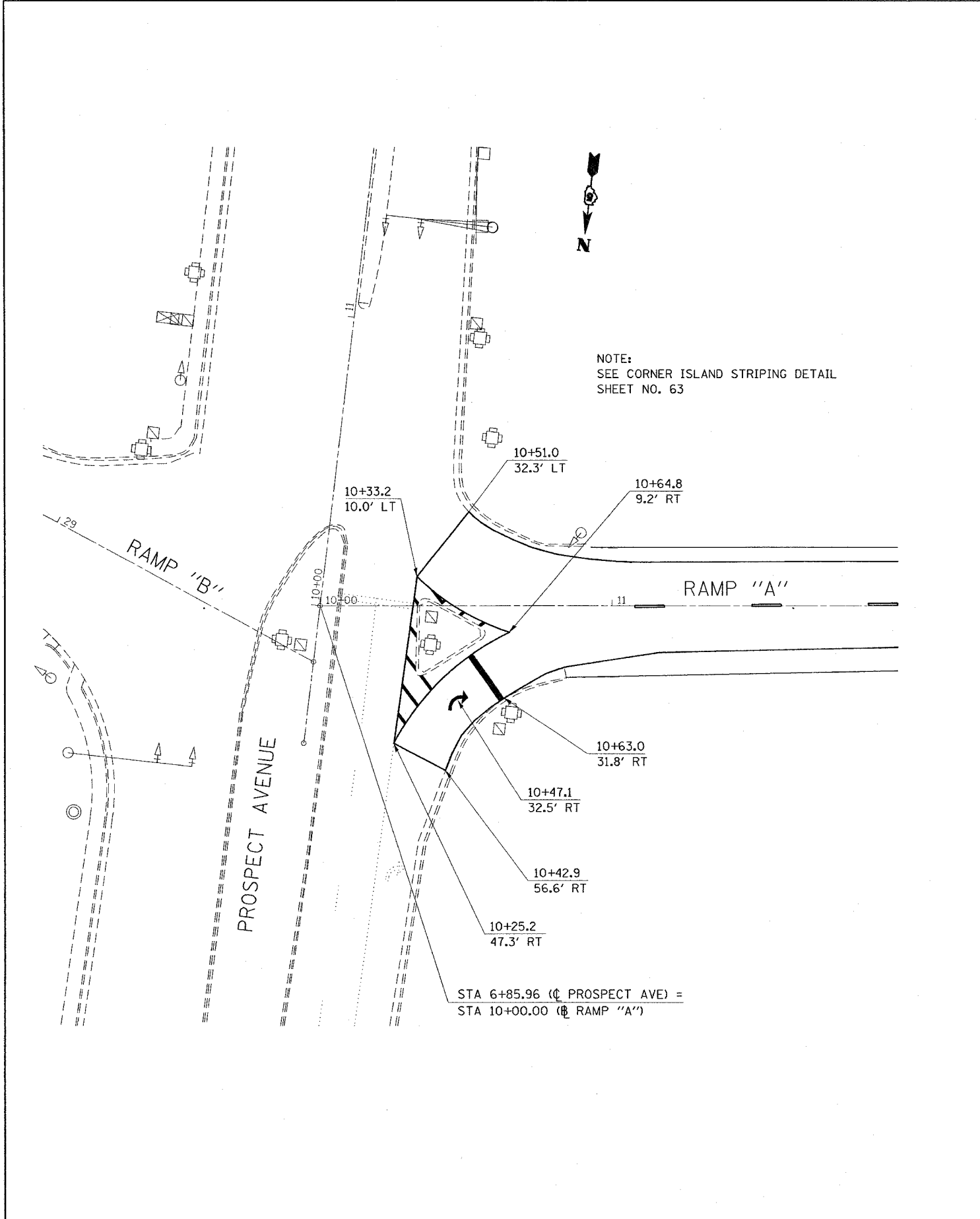
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 74
 SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
 CHAMPAIGN COUNTY

SCALE: 1" = 100'
 DATE: 06/13/05

DRAWN BY: CADD
 CHECKED BY:

PLOT DATE = 10/25/2005
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 PLOT SCALE = 1/8"=100' / IN.
 USER NAME = philipsp

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	60
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 10(5-1-RS-1,14-1(R)RS & 6RS-3)				



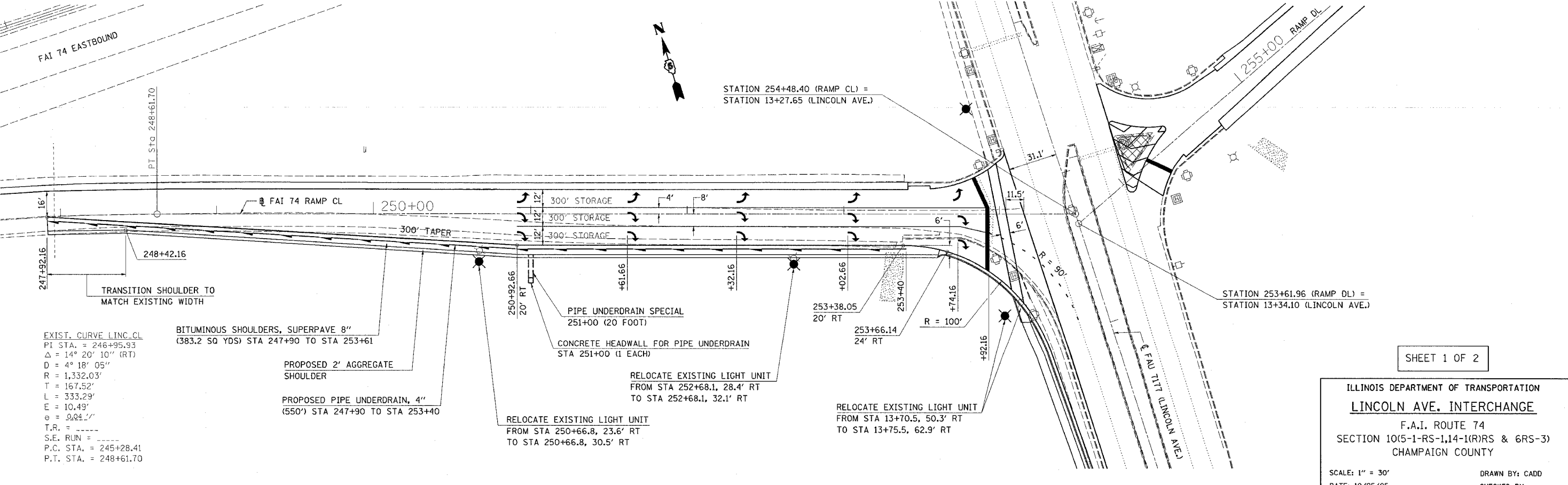
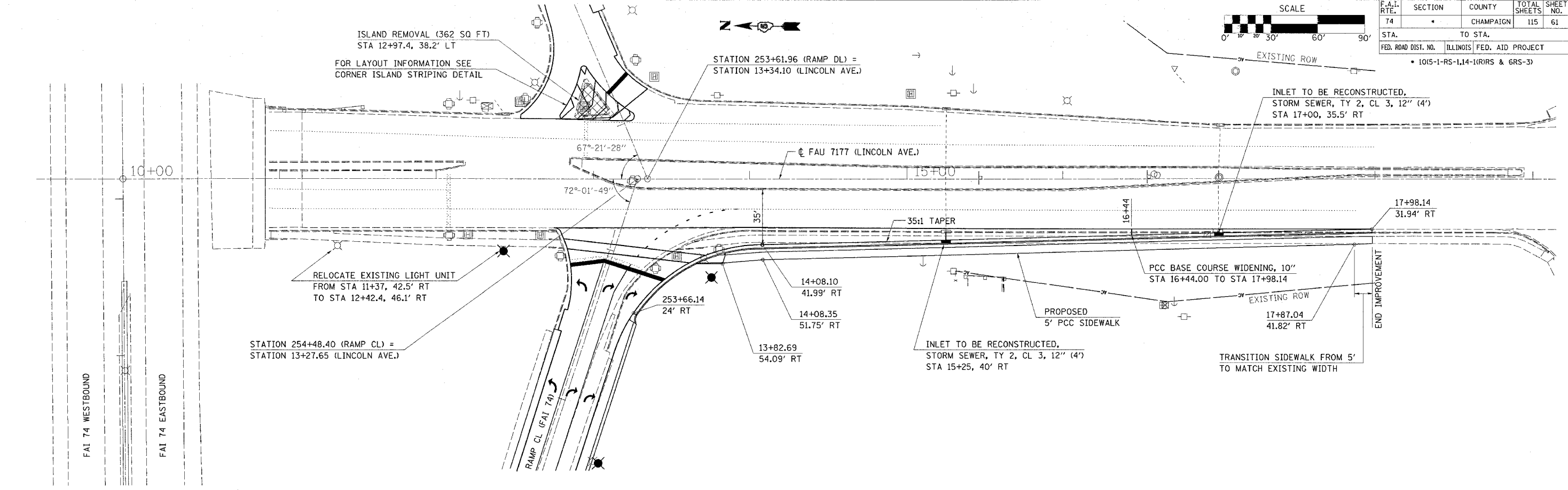
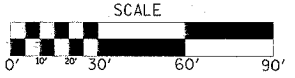
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 FILE NAME = 10(5-1-RS-1,14-1(R)RS & 6RS-3) / IN.
 PLOT SCALE = 28.4/800
 USER NAME = phillips

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROSPECT AVE/RAMP "A" & "C"
 F.A.I. ROUTE 74
 SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
 CHAMPAIGN COUNTY

SCALE: 1" = 20'
 DATE: 07/31/05

DRAWN BY: CADD
 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	61
STA. TO STA.		ILLINOIS FED. AID PROJECT		
		1015-1-RS-1,14-1(R)RS & 6RS-3		



EXIST. CURVE LINC. CL
 PI STA. = 246+95.93
 $\Delta = 14^\circ 20' 10''$ (RT)
 $D = 4^\circ 18' 05''$
 $R = 1,332.03'$
 $T = 167.52'$
 $L = 333.29'$
 $E = 10.49'$
 $\theta = 99.24''$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 245+28.41
 P.T. STA. = 248+61.70

PROPOSED 2' AGGREGATE SHOULDER
 PROPOSED PIPE UNDERDRAIN, 4" (550') STA 247+90 TO STA 253+40

RELOCATE EXISTING LIGHT UNIT FROM STA 250+66.8, 23.6' RT TO STA 250+66.8, 30.5' RT

RELOCATE EXISTING LIGHT UNIT FROM STA 252+68.1, 28.4' RT TO STA 252+68.1, 32.1' RT

RELOCATE EXISTING LIGHT UNIT FROM STA 13+70.5, 50.3' RT TO STA 13+75.5, 62.9' RT

SHEET 1 OF 2

ILLINOIS DEPARTMENT OF TRANSPORTATION
LINCOLN AVE. INTERCHANGE
 F.A.I. ROUTE 74
 SECTION 1015-1-RS-1,14-1(R)RS & 6RS-3
 CHAMPAIGN COUNTY

SCALE: 1" = 30'
 DATE: 10/25/05
 DRAWN BY: CADD
 CHECKED BY:

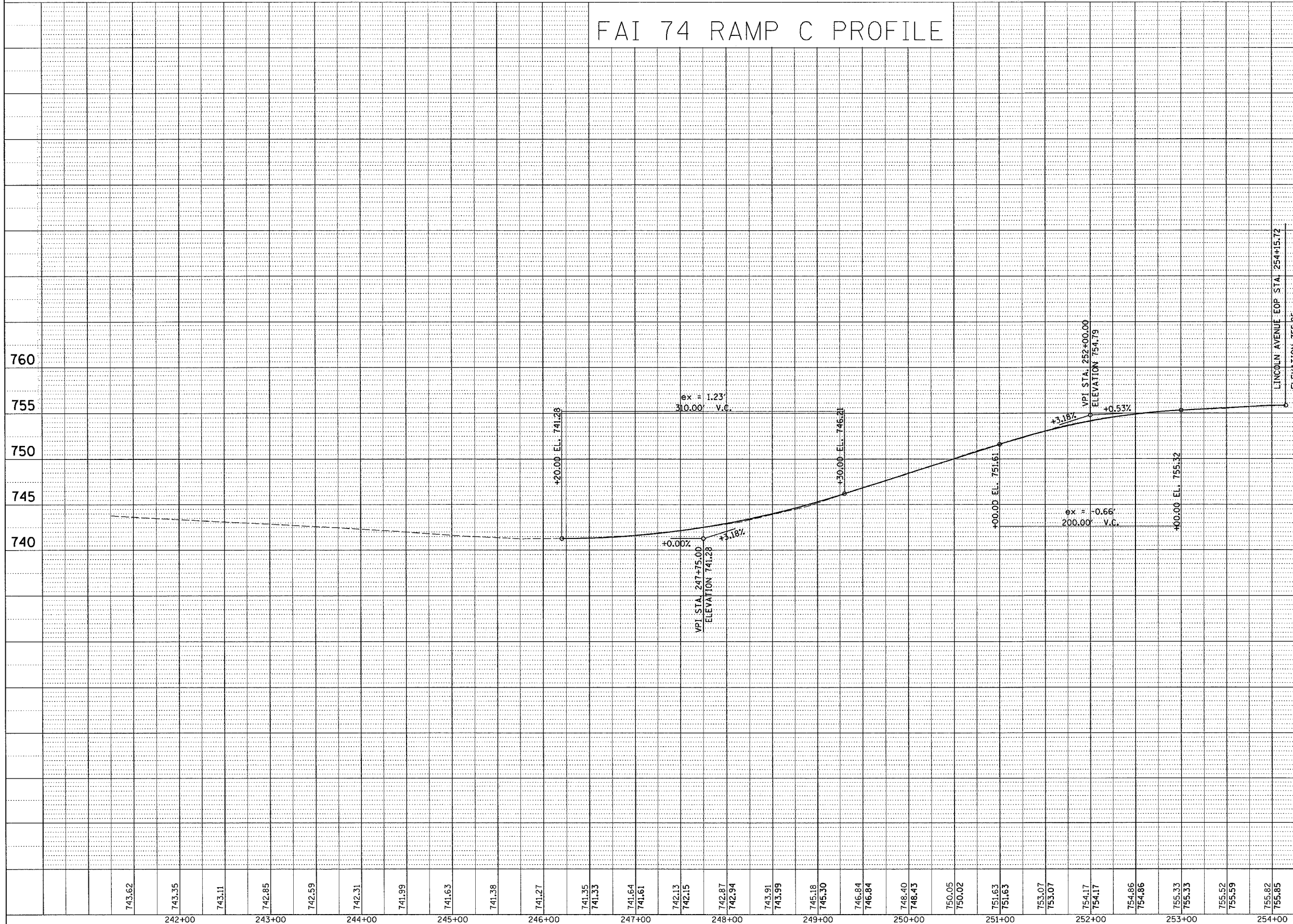
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 PLOT SCALE = 30.0000 / IN.
 USER NAME = philipsp

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	62
*1015-1-RS-1,14-1(R)RS&6RS-3				

FAI 74 RAMP C PROFILE

PROFILE	DATE	BY
REVIEWED		
GRADES CHECKED		
NOTE BOOK NO.		
STRUCTURE NOTATION		

PROFILE	DATE	BY
REVIEWED		
GRADES CHECKED		
NOTE BOOK NO.		
STRUCTURE NOTATION		



SHEET 2 OF 2

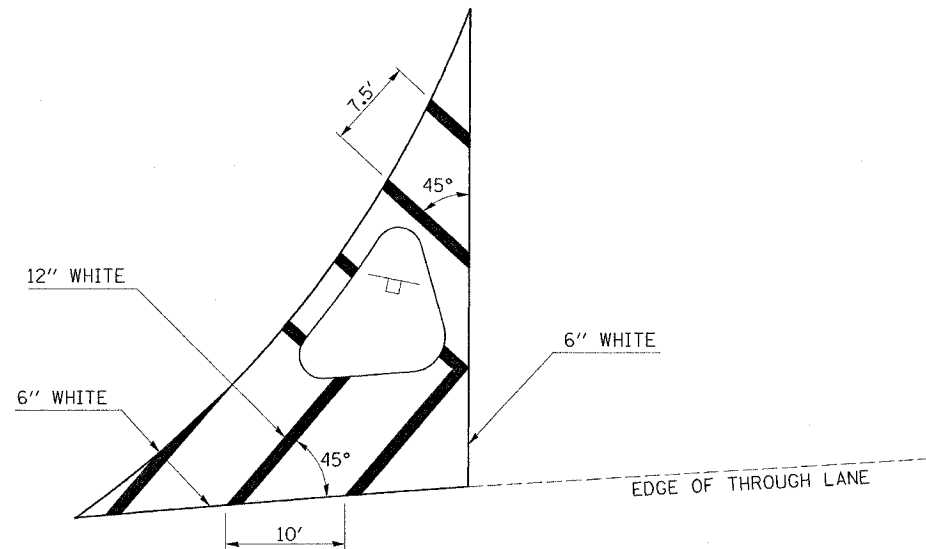
ILLINOIS DEPARTMENT OF TRANSPORTATION
LINCOLN AVE. INTERCHANGE
 F.A.I. ROUTE 74
 SECTION 1015-1-RS-1,14-1(R)RS & 6RS-3
 CHAMPAIGN COUNTY

SCALE: 1" = 20'
 DATE: 10/25/05
 DRAWN BY: CADD
 CHECKED BY:

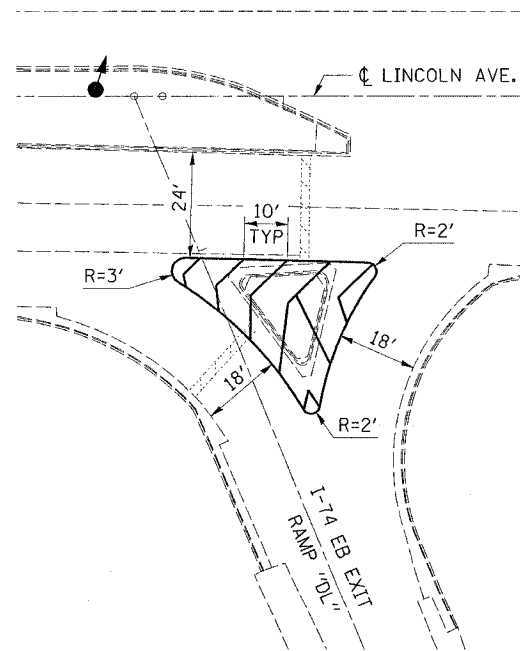
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	63

* 1015-1-RS-1.14-1(RRS & GRS-3)

CORNER ISLAND STRIPING DETAIL



CORNER ISLAND STRIPING DETAIL (TYPICAL)



LINCOLN AVENUE RAMP "DL"

PROSPECT

POLYUREA PAVEMENT MARKING 6" (WHITE)

OUTSIDE SHAPE OF CORNER ISLAND "A"	151	FOOT
OUTSIDE SHAPE OF CORNER ISLAND "C"	135	FOOT
TOTAL	= 286	FOOT

POLYUREA PAVEMENT MARKING 12" (WHITE)

12" DIAGONAL "A"	45	FOOT
12" DIAGONAL "C"	71	FOOT
TOTAL	= 116	FOOT

POLYUREA PAVEMENT MARKING 24" (WHITE)

STOP BARS "A"	21	FOOT
STOP BARS "C"	38	FOOT
TOTAL	= 59	FOOT

NEIL

POLYUREA PAVEMENT MARKING 6" (WHITE)

OUTSIDE SHAPE OF CORNER ISLAND "E"	0	FOOT
OUTSIDE SHAPE OF CORNER ISLAND "F"	0	FOOT
OUTSIDE SHAPE OF CORNER ISLAND "G"	0	FOOT
OUTSIDE SHAPE OF CORNER ISLAND "H"	0	FOOT
TOTAL	= 0	FOOT

POLYUREA PAVEMENT MARKING 12" (WHITE)

12" DIAGONAL "E"	0	FOOT
12" DIAGONAL "F"	0	FOOT
12" DIAGONAL "G"	0	FOOT
12" DIAGONAL "H"	0	FOOT
TOTAL	= 0	FOOT

POLYUREA PAVEMENT MARKING 24" (WHITE)

STOP BARS "E"	24	FOOT
STOP BARS "F"	60	FOOT
STOP BARS "G"	54	FOOT
STOP BARS "H"	24	FOOT
TOTAL	= 162	FOOT

LINCOLN

POLYUREA PAVEMENT MARKING 6" (WHITE)

OUTSIDE SHAPE OF CORNER ISLAND "AL"	0	FOOT
OUTSIDE SHAPE OF CORNER ISLAND "BL"	0	FOOT
OUTSIDE SHAPE OF CORNER ISLAND "CL"	133	FOOT
OUTSIDE SHAPE OF CORNER ISLAND "DL"	0	FOOT
TOTAL	= 133	FOOT

POLYUREA PAVEMENT MARKING 12" (WHITE)

12" DIAGONAL "AL"	0	FOOT
12" DIAGONAL "BL"	0	FOOT
12" DIAGONAL "CL"	109	FOOT
12" DIAGONAL "DL"	0	FOOT
TOTAL	= 109	FOOT

POLYUREA PAVEMENT MARKING 24" (WHITE)

STOP BARS "AL"	23	FOOT
STOP BARS "BL"	43	FOOT
STOP BARS "CL"	47	FOOT
STOP BARS "DL"	22	FOOT
TOTAL	= 135	FOOT

U.S. 45 (CUNNINGHAM)

POLYUREA PAVEMENT MARKING 6" (WHITE)

OUTSIDE SHAPE OF CORNER ISLAND "B-25"	0	FOOT
OUTSIDE SHAPE OF CORNER ISLAND "D-25"	92	FOOT
OUTSIDE SHAPE OF CORNER ISLAND "F-25"	0	FOOT
OUTSIDE SHAPE OF CORNER ISLAND "H-25"	0	FOOT
TOTAL	= 92	FOOT

POLYUREA PAVEMENT MARKING 12" (WHITE)

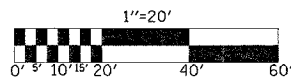
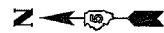
12" DIAGONAL "B-25"	0	FOOT
12" DIAGONAL "D-25"	0	FOOT
12" DIAGONAL "F-25"	0	FOOT
12" DIAGONAL "H-25"	0	FOOT
TOTAL	= 0	FOOT

POLYUREA PAVEMENT MARKING 24" (WHITE)

STOP BARS "B-25"	69	FOOT
STOP BARS "D-25"	28	FOOT
STOP BARS "F-25"	49	FOOT
STOP BARS "H-25"	27	FOOT
TOTAL	= 173	FOOT

TRAFFIC SIGNAL MODERNIZATION

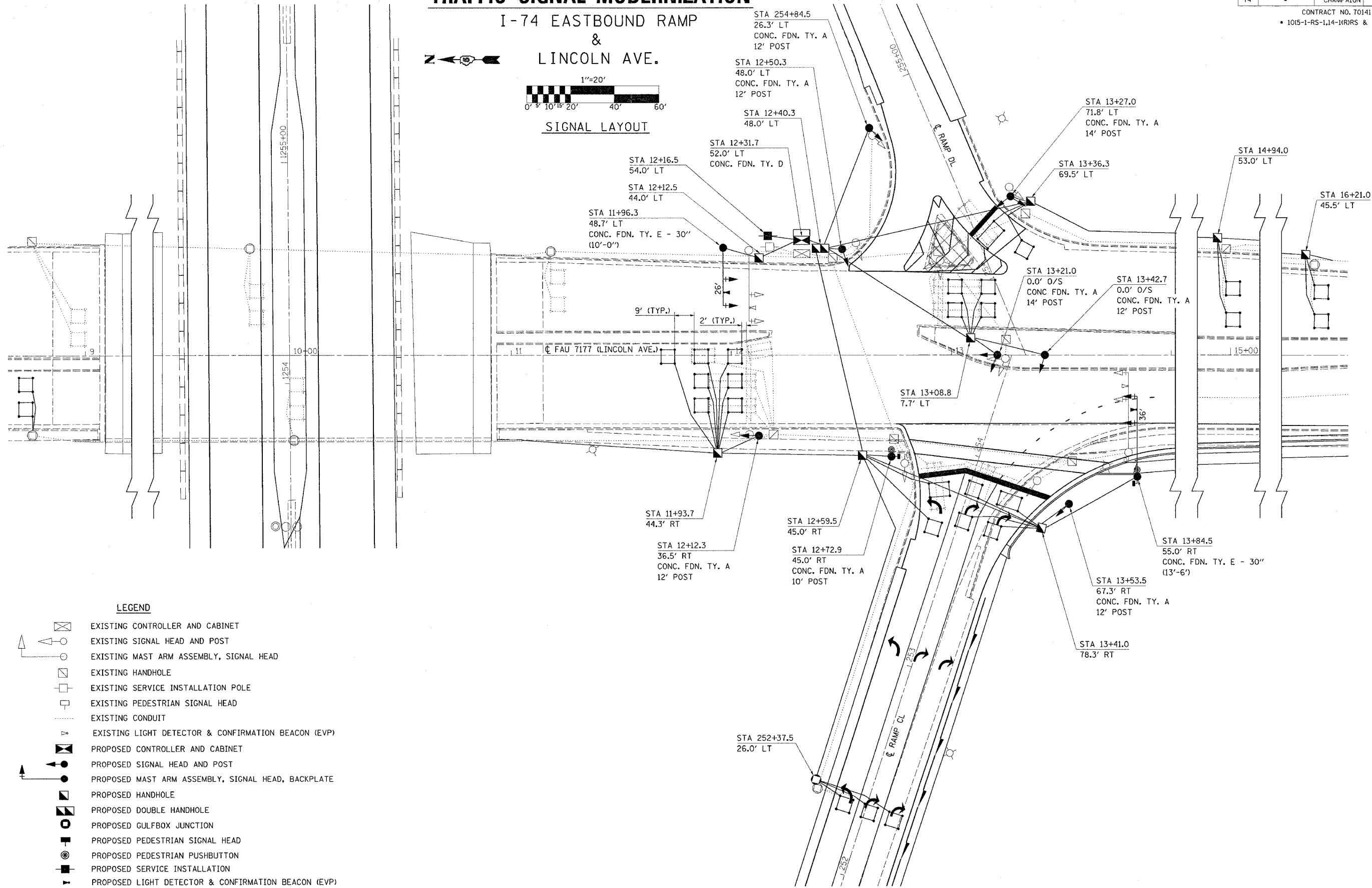
I-74 EASTBOUND RAMP
&
LINCOLN AVE.



SIGNAL LAYOUT

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	64

CONTRACT NO. 70141
• 1015-1-RS-1,14-(RRS & GRS-3)



LEGEND

- EXISTING CONTROLLER AND CABINET
- EXISTING SIGNAL HEAD AND POST
- EXISTING MAST ARM ASSEMBLY, SIGNAL HEAD
- EXISTING HANDHOLE
- EXISTING SERVICE INSTALLATION POLE
- EXISTING PEDESTRIAN SIGNAL HEAD
- EXISTING CONDUIT
- EXISTING LIGHT DETECTOR & CONFIRMATION BEACON (EVP)
- PROPOSED CONTROLLER AND CABINET
- PROPOSED SIGNAL HEAD AND POST
- PROPOSED MAST ARM ASSEMBLY, SIGNAL HEAD, BACKPLATE
- PROPOSED HANDHOLE
- PROPOSED DOUBLE HANDHOLE
- PROPOSED GULFBOX JUNCTION
- PROPOSED PEDESTRIAN SIGNAL HEAD
- PROPOSED PEDESTRIAN PUSHBUTTON
- PROPOSED SERVICE INSTALLATION
- PROPOSED LIGHT DETECTOR & CONFIRMATION BEACON (EVP)

DETECTOR LOOP DATA

LOOP:	SIZE:	MODE:	DELAY/EXTENSION (SEC.)
A1-7,B3-4, C3-4,C6	6' x 6'	PRESENCE	---
A8-11,B7-10	6' x 6'	PRESENCE	3.0 EXT.
B2, C2	6' x 6'	PRESENCE	8.0 DELAY
B1	6' x 11'	PRESENCE	8.0 DELAY
C1	6' x 10'	PRESENCE	8.0 DELAY
C5	6' x 9'	PRESENCE	---
C7-C9	6' x 6'	PRESENCE	4.5 EXT.

-THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON AMPLIFIERS: (A1-2), (A3-4), (A5-7), (A8-9), (A10-11), (B1-2), (B3-4), (B5-6), (B7-8), (B9-10), (C1-2), (C3-4), (C5-6), (C7-9)
14 AMPLIFIERS TOTAL REQUIRED.

-DETECTOR LOOPS SHALL BE WIRED IN SERIES AT THE DETECTOR PANEL.

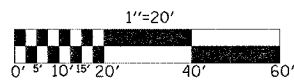
-ALL DETECTORS SHALL BE SET FOR A NON-LOCKING CALL.

TRAFFIC SIGNAL MODERNIZATION

I-74 EASTBOUND RAMP & LINCOLN AVE.

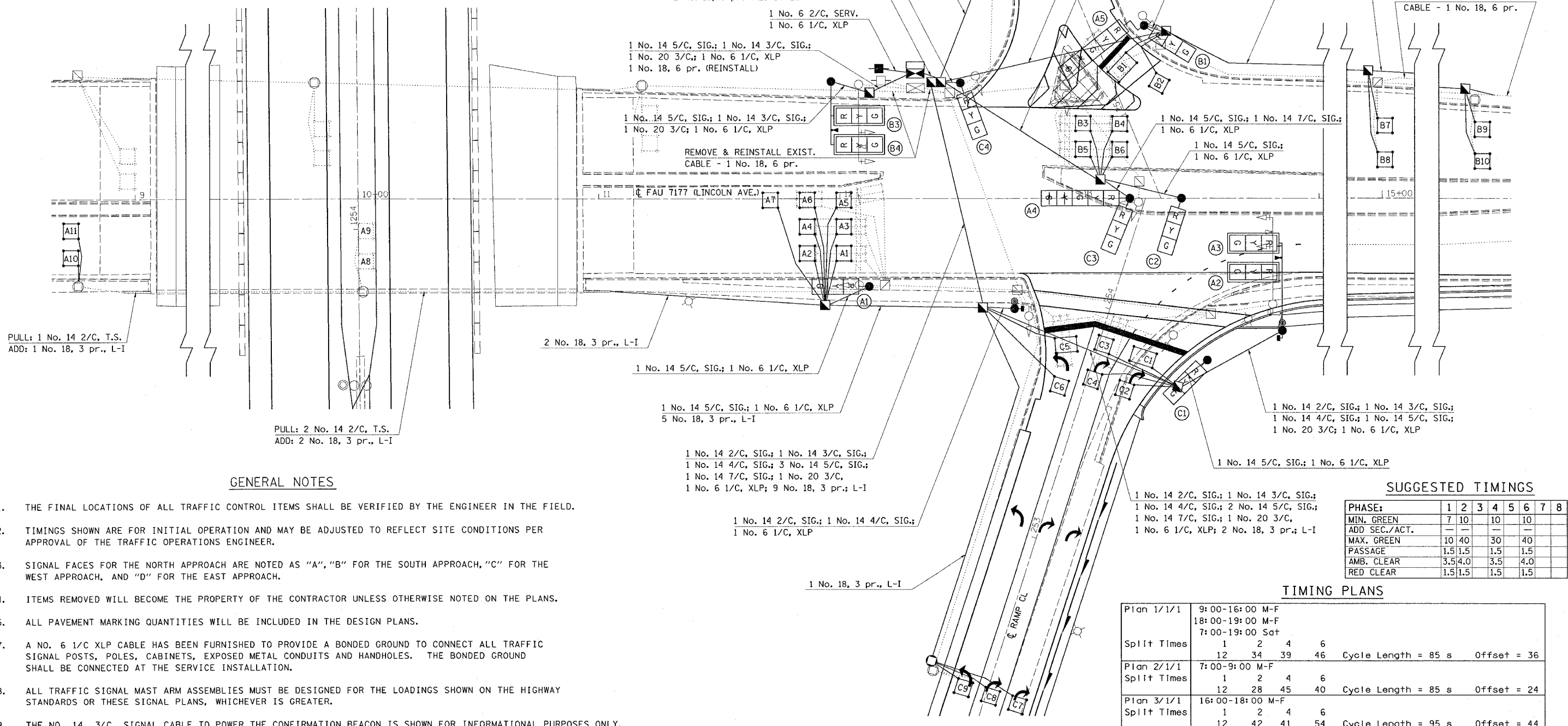


CABLE LAYOUT



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	65

CONTRACT NO. 70141
• 1005-I-RS-114-1(R)RS & 6RS-3)



PULL: 1 No. 14 2/C, T.S.
ADD: 1 No. 18, 3 pr., L-I

PULL: 2 No. 14 2/C, T.S.
ADD: 2 No. 18, 3 pr., L-I

GENERAL NOTES

- THE FINAL LOCATIONS OF ALL TRAFFIC CONTROL ITEMS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.
- TIMINGS SHOWN ARE FOR INITIAL OPERATION AND MAY BE ADJUSTED TO REFLECT SITE CONDITIONS PER APPROVAL OF THE TRAFFIC OPERATIONS ENGINEER.
- SIGNAL FACES FOR THE NORTH APPROACH ARE NOTED AS "A", "B" FOR THE SOUTH APPROACH, "C" FOR THE WEST APPROACH, AND "D" FOR THE EAST APPROACH.
- ITEMS REMOVED WILL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL PAVEMENT MARKING QUANTITIES WILL BE INCLUDED IN THE DESIGN PLANS.
- A NO. 6 1/C XLP CABLE HAS BEEN FURNISHED TO PROVIDE A BONDED GROUND TO CONNECT ALL TRAFFIC SIGNAL POSTS, POLES, CABINETS, EXPOSED METAL CONDUITS AND HANDHOLES. THE BONDED GROUND SHALL BE CONNECTED AT THE SERVICE INSTALLATION.
- ALL TRAFFIC SIGNAL MAST ARM ASSEMBLIES MUST BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS, WHICHEVER IS GREATER.
- THE NO. 14, 3/C, SIGNAL CABLE TO POWER THE CONFIRMATION BEACON IS SHOWN FOR INFORMATIONAL PURPOSES ONLY.

SUGGESTED TIMINGS

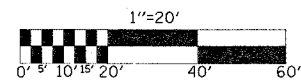
PHASE:	1	2	3	4	5	6	7	8
MIN. GREEN	7	10	10	10	10	10	10	10
ADD SEC./ACT.	---	---	---	---	---	---	---	---
MAX. GREEN	10	40	30	40	40	40	40	40
PASSAGE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
AMB. CLEAR	3.5	4.0	3.5	4.0	4.0	4.0	4.0	4.0
RED CLEAR	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

TIMING PLANS

Plan	Time	1	2	3	4	5	6	7	8	Cycle Length	Offset
Plan 1/1/1	9:00-16:00 M-F	12	34	39	46	46	46	46	46	85 s	36
	18:00-19:00 M-F	1	2	4	6	6	6	6	6		
	7:00-19:00 Sat	1	2	4	6	6	6	6	6		
Plan 2/1/1	7:00-9:00 M-F	12	28	45	40	40	40	40	40	85 s	24
Plan 3/1/1	16:00-18:00 M-F	1	2	4	6	6	6	6	6	95 s	44

TRAFFIC SIGNAL MODERNIZATION

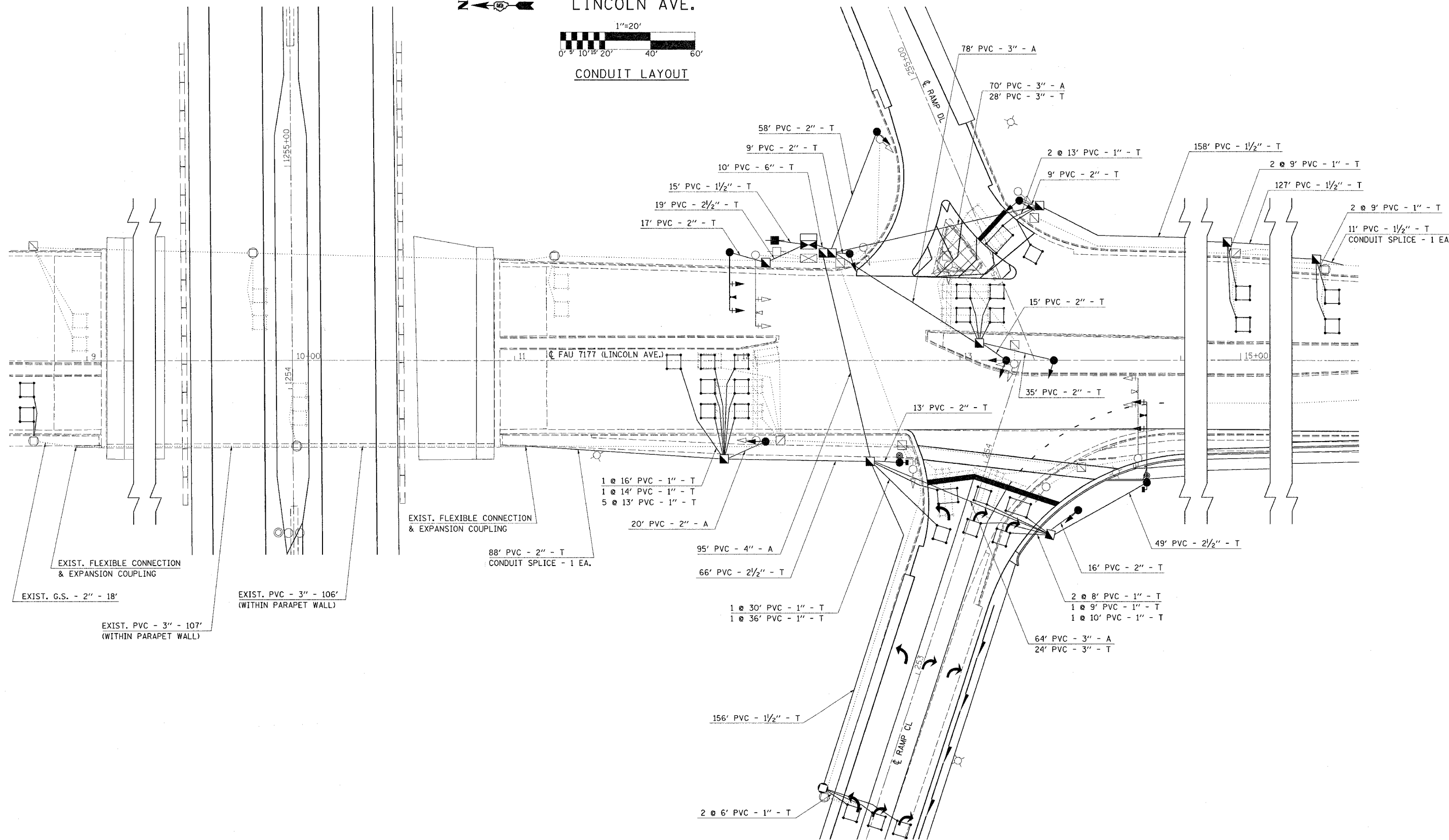
I-74 EASTBOUND RAMP & LINCOLN AVE.



CONDUIT LAYOUT

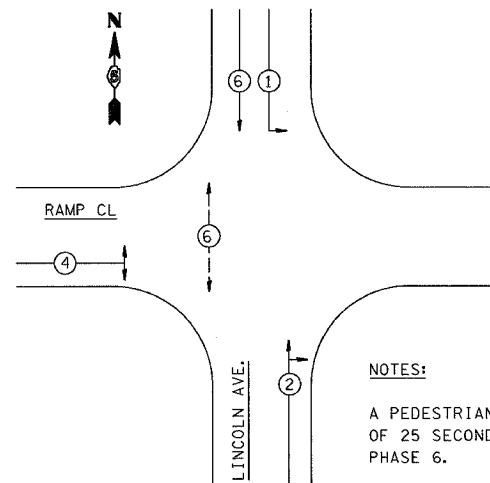
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	66

CONTRACT NO. 70141
• 1015-1-RS-1,14-1(R)RS & 6RS-3)



DETAILS

PHASE DESIGNATION DIAGRAM

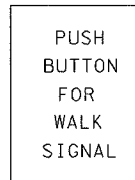


NOTES:

A PEDESTRIAN CLEARANCE INTERVAL OF 25 SECONDS SHALL BE USED FOR PHASE 6.

ANTI-BACKUP FEATURE SHALL BE HARDWIRED ON CONTROLLER CABINET BACK PANEL.

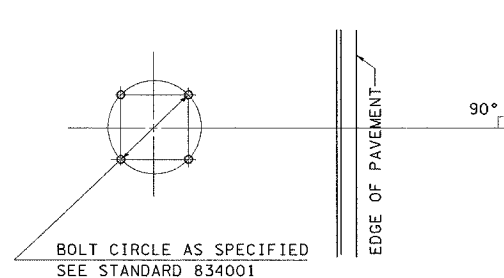
PEDESTRIAN PUSH-BUTTON SIGN



NOTE:

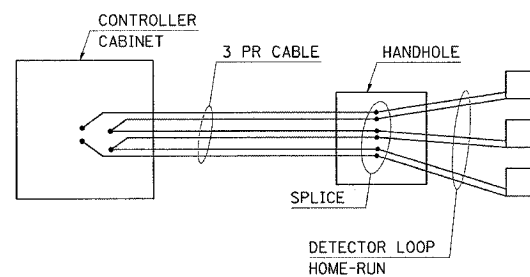
PEDESTRIAN PUSH-BUTTON SIGNS SHALL BE MOUNTED ABOVE THE PEDESTRIAN PUSH-BUTTONS. THE SIGNS SHALL BE BOLTED TO THE POSTS. THE SIGNS SHALL BE CONSIDERED AS INCLUDED IN THE COST OF PEDESTRIAN PUSH-BUTTONS IN ACCORDANCE WITH SECTION 888 OF THE STANDARD SPECIFICATIONS.

DETAIL OF MAST ARM FOUNDATION BOLT PATTERN



DETAIL OF DETECTOR LOOP WIRING

WIRED IN SERIES WITH MULTI-PAIR CABLE



ITEMS TO BE RETURNED TO THE CITY OF URBANA

- CONTROLLER CABINET & PERIPHERAL EQUIPMENT
- CONTROLLER
- ALL ALUMINUM TRAFFIC SIGNAL POSTS & BASES
- ALL STEEL MAST ARM ASSEMBLY AND POLES
- ALL L.E.D. SIGNAL MODULES

BILL OF MATERIALS

I-74 EASTBOUND RAMPS & LINCOLN AVENUE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	67

CONTRACT NO. T0141
• 1065-1-RS-1,14-1(R)RS & 6RS-3)

ITEM	UNIT	QUANTITY
SERVICE INSTALLATION, TYPE A	EACH	1
WOOD POLE, 35 FT., CLASS 4	EACH	1
CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	202
CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	441
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	280
CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	134
CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	52
CONDUIT IN TRENCH, 6" DIA., PVC	FOOT	10
CONDUIT, AUGERED 3" DIA., PVC	FOOT	212
CONDUIT, AUGERED 4" DIA., PVC	FOOT	95
CONDUIT SPLICE	EACH	2
HANDHOLE	EACH	6
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1114
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
TRANSCIEVER	EACH	1
GULFBOX JUNCTION	EACH	1
GULFBOX JUNCTION REMOVAL	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	435
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 4C	FOOT	450
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1575
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	303
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	3307
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	27
TRAFFIC SIGNAL POST, ALUMINUM 10 FT.	EACH	1
TRAFFIC SIGNAL POST, ALUMINUM 12 FT.	EACH	5
TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	24.8
CONCRETE FOUNDATION, TYPE D	FOOT	3.5
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	23.5
TRAFFIC SIGNAL BACKPLATE	EACH	4
INDUCTIVE LOOP DETECTOR	EACH	14
DETECTOR LOOP, TYPE I	FOOT	1108
PEDESTRIAN PUSH-BUTTON	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	6816
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	955
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	8
REMOVE EXISTING CONCRETE FOUNDATION	EACH	11
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	752
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	2
ELECTRIC CABLE IN CONDUIT NO. 20 3/C	FOOT	390
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE	EACH	1

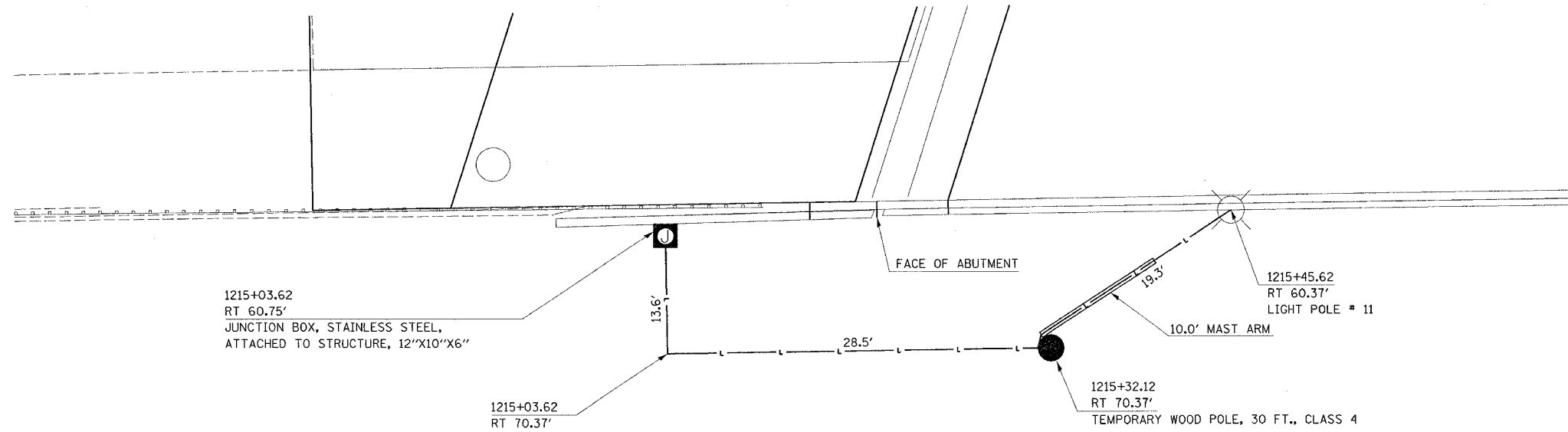
GENERAL NOTES

1. THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST POLE HANDHOLE: (A2, A3), (B2, B3) - EACH MAST ARM MOUNTED SIGNAL HEAD SHALL HAVE ITS OWN INDIVIDUAL CABLE FROM THE MAST POLE HANDHOLE TO THE SIGNAL HEAD.
2. THE ACTUAL LOCATION OF ALL SIGNAL FOUNDATIONS, HANDHOLES, AND TRAFFIC CONTROLLER WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
3. POST MOUNTED SIGNALS SHALL BE INSTALLED SO THAT NO PART OF THE SIGNAL HEAD IS WITHIN 2 FT. OF THE FACE OF CURB.
4. ALL MAST ARM POLES SHALL BE A MINIMUM OF 6 FT. FROM THE CENTER OF THE POLE TO THE FACE OF CURB (ON THE MAST ARM SIDE) OR AS SHOWN ON THE PLANS.
5. ALIGN ADJACENT RED INDICATIONS TO SAME HEIGHT ABOVE PAVEMENT.
6. THE BASE FOR A TRAFFIC SIGNAL POST SHALL BE SITUATED SUCH THAT THE HANDHOLE IS LOCATED ON A SIDE AWAY FROM A TRAVELED LANE.
7. PEDESTRIAN PUSHBUTTON SIGNAL SIGNS SHALL BE MOUNTED ABOVE THE APPROPRIATE PEDESTRIAN PUSHBUTTON.
8. THE ANTI-BACKUP FEATURE SHALL BE HARDWIRED ON THE BACKPANEL OF THE CONTROLLER CABINET.
9. EACH DETECTOR LOOP SHALL BE WIRED TO INDIVIDUAL PAIRS OF THE LEAD-IN CABLE. DETECTOR LOOPS SHALL BE WIRED IN SERIES AT THE CONTROLLER CABINET DETECTOR PANEL.

TEMPORARY LIGHTING DETAIL

AT S.N. 010-0021 - EASTBOUND

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	68
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		*1015-1-RS-1,14-1(R)RS & 6RS-3)		



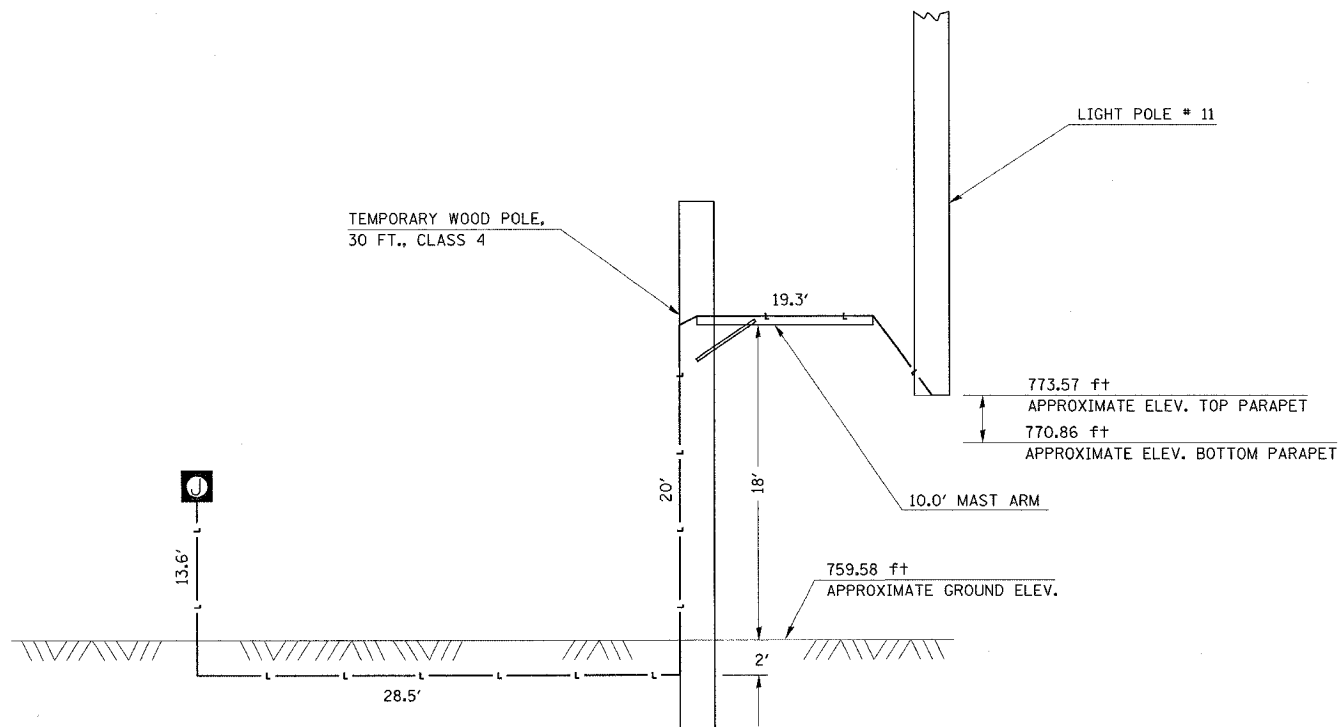
PLAN VIEW

80800100 TEMPORARY WOOD POLE, 30 FT., CLASS 4
 STATION / OFFSET TO STATION / OFFSET FOOT
 1215+32.12 RT / 70.37 1.0
 TOTAL = 1.0

81500200 TRENCH AND BACKFILL FOR ELECTRICAL WORK
 STATION / OFFSET TO STATION / OFFSET FOOT
 1215+03.62 / RT 60.79' 1215+03.62 / 70.37' 45.0
 1215+03.62 / RT 70.37' 1215+32.12 / 70.37' 45.0
 TOTAL = 45.0

81600315 UNIT DUCT, 2*6XLP, 1*6 XLP GROUND 1" POLYETHYLENE
 STATION / OFFSET TO STATION / OFFSET FOOT
 1215+03.62 / RT 60.75' 1215+03.62 / 70.37' 100.0
 1215+03.62 / RT 70.37' 1215+32.12 / 70.37' 100.0
 1215+32.12 / RT 70.37' 1215+45.62 / 60.37' 100.0
 TOTAL = 100.0

84100110 REMOVAL OF TEMPORARY LIGHTING UNITS
 TOTAL = 1.0 EACH



ELEVATION

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY LIGHTING DETAIL
 F.A.I. ROUTE 74
 SECTION 1015-1-RS-1,14-1(R)RS & 6RS-3)
 CHAMPAIGN COUNTY
 SCALE: NO SCALE DRAWN BY: KB
 DATE: 02/09/05 CHECKED BY:

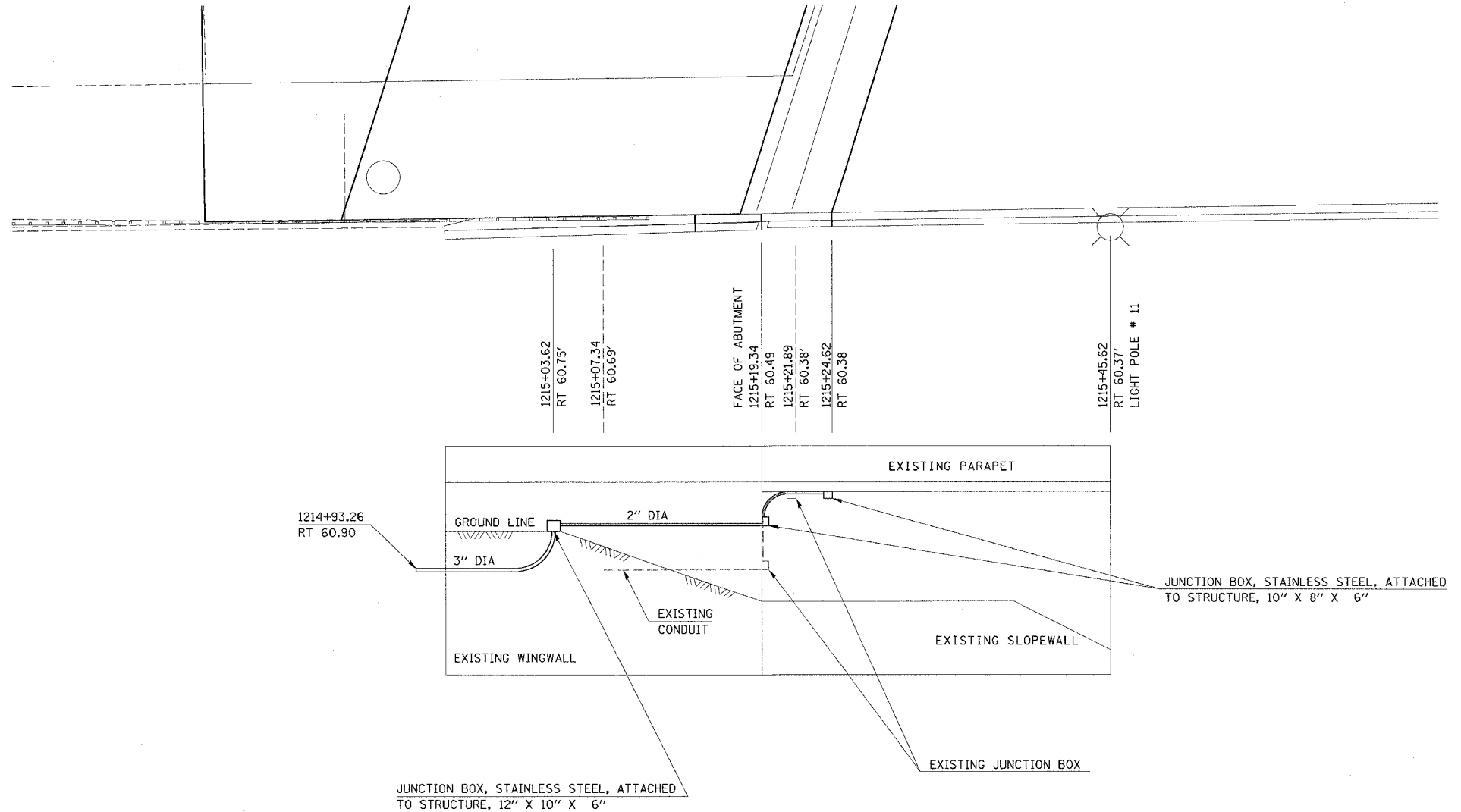
TEMPORARY LIGHTING DETAIL (CONTD.)

AT S.N. 010-0021 - EASTBOUND

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	69
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
* 10(5-1-RS-1,14-1(R)RS & 6RS-3)				



- 81100600 CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL
STATION / OFFSET TO STATION / OFFSET FOOT
1215+03.62 / RT 60.75' 1215+24.62 / 60.38' 24.0
TOTAL 24.0
- 81100800 CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GALVANIZED STEEL
STATION / OFFSET TO STATION / OFFSET FOOT
1214+93.26 / RT 60.90' 1215+03.62 / 60.65' 12.0
TOTAL 12.0
- 81200230 CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC
STATION / OFFSET FOOT
1215+24.62 / RT (+/-) 60.38' 3.0
TOTAL 3.0
- 81702130 ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6
STATION / OFFSET TO STATION / OFFSET FOOT
1215+03.62 / RT 60.75' 1215+45.62 / 60.37' 150.0
TOTAL 150.0
- 89502300 REMOVE ELECTRIC CABLE FROM CONDUIT
STATION / OFFSET TO STATION / OFFSET FOOT
1215+19.34 / RT 60.49' 1215+45.62 / 60.37' 100.0
TOTAL 100.0
- 89502350 REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT
STATION / OFFSET TO STATION / OFFSET FOOT
REMOVE 1215+07.34 / RT 60.69' 1215+19.34 / 60.49' 24.0
REINSTALL 1214+93.26 / RT 60.90' 1215+03.62 / 60.75' 24.0
TOTAL 24.0
- X0323710 REMOVE CONDUIT ATTACHED TO STRUCTURE
STATION / OFFSET TO STATION / OFFSET FOOT
1215+07.34 / RT 60.69' 1215+21.89 / 60.38' 20.0
TOTAL 20.0
- 81300420 JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 10" X 8" X 6"
TOTAL = 2.0 EACH
- 81300530 JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"
TOTAL = 1.0 EACH



PLAN NOTES

PLAN NOTES - The following notes give a basic overview of how the electrical lighting circuit shall be relocated in order to replace the west abutment of bridge structure #010-0021 in Champaign. The Contractor shall be responsible for all details associated with this relocation process.

- 1) Set temporary wood pole according to Section 808 at the top of the bridge cone in a location approved by the Engineer, and remove it according to Section 841 of the Standard Specifications. Install the wood pole at the location illustrated in the temporary lighting detail.

Temporary wood pole shall have a 10 ft mast arm according to Section 808 which shall be a support arm for the horizontal run of temporary unit duct. The pole, mast arm, temporary unit duct, and other temporary materials shall remain the property of the Contractor and shall be removed from the site after the work is complete.

Remove stainless steel screen from the base of pole #11 and reinstall it after temporary unit duct is inserted. Install new stainless steel screen on pole #11 when temporary unit duct is removed. Keep screen tightly banded to the pole base to keep rodents out of the pole.

- 2) Insert temporary unit duct under the base of pole #11 and up into the pole handhole. From pole #11 it shall run over to the temporary wood pole. Temporary unit duct shall continue down the pole and then be trenched underground to the stainless steel junction box on the bridge abutment wall at approximate Sta 1215+04. Protect unit duct on the pole with galvanized steel "U" guard. Resplice cable as needed for temporary and permanent cabling. **SPLICING OF CABLE ONLY ALLOWED INSIDE OF POLE HANDHOLE OR JUNCTION BOX**
- 3) The temporary unit duct shall be the temporary circuit while conduit attached to structure is removed and the bridge abutment is being replaced. It shall be temporarily terminated in the stainless steel junction box at approximate Sta 1215+04.

The 2 circuits of unit duct running west from the stainless steel junction box at approximate Sta 1215+04 shall be pulled out of the existing 2" galvanized steel conduit and reinserted into new 3" galvanized steel conduit.

- 4) Install new conduit embedded in structure for the reconstructed bridge parapet wall. This work shall include any concrete removal around the existing embedded conduit in order to get new conduit spliced to the existing conduit.
- 5) Install new conduit attached to structure on the abutment to replace what is removed. Install flexible conduit at the top junction box to allow for bridge and conduit movement. Run new cable in conduit and remove the temporary unit duct. Reconnect pole #11 and remove the temporary wood pole.

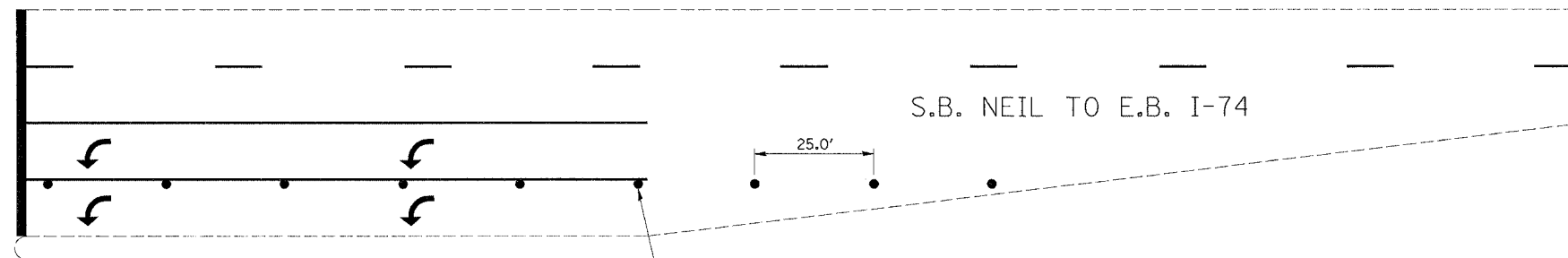
ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY LIGHTING DETAIL (CONTD.)
 F.A.I. ROUTE 74
 SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
 CHAMPAIGN COUNTY

SCALE: NO SCALE DRAWN BY: KB
 DATE: 02/09/05 CHECKED BY:

TURN LANE CLOSURE DETAIL

S.B. NEIL TO E.B. I-74

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	70
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 1015-1-RS-1,14-1(R)RS & 6RS-3)				



DRUMS WILL BE USED TO CLOSE THE INSIDE TURN LANE AT THE NEIL STREET ON RAMP INTERSECTION. THEY WILL BE PLACED AT 25 FT CENTERS AS ILLUSTRATED IN THIS DETAIL. TO BE PAID AS TRAFFIC CONTROL AND PROTECTION, SPECIAL.

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TURN LANE CLOSURE DETAIL
 F.A.I. ROUTE 74
 SECTION 1015-1-RS-1,14-1(R)RS & 6RS-3)
 CHAMPAIGN COUNTY

SCALE: NO SCALE DRAWN BY: KB
 DATE: 01/26/05 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	71
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

* 105-1-RS-1,14-1(R)RS & 6RS-3)



BRIDGE PLAN

S.N. 010-0021

42001165 BRIDGE APPROACH PAVEMENT

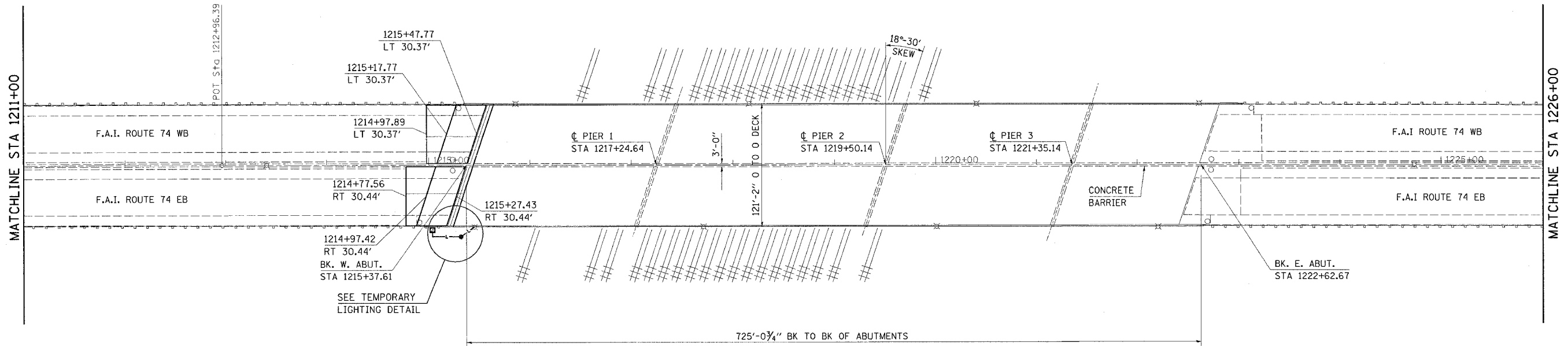
STATION / OFFSET	TO	STATION / OFFSET	SQ YD
WB LANE			
1215+17.77 LT 30.37'		1215+47.77 LT 30.37'	191.8
EB LANE			
1214+97.42 RT 30.44'		1215+27.43 / RT 30.44'	192.5
TOTAL =			384.3

42001430 BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)

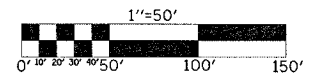
STATION / OFFSET	TO	STATION / OFFSET	SQ YD
WB LANE			
1214+97.89 LT 30.37'		1215+17.77 LT 30.37'	127.1
EB LANE			
1214+77.56 RT 30.44'		1214+97.42 / RT 30.44'	127.5
TOTAL =			254.6

66410400 CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED

	FOOT
NORTH SIDE & WEST END OF STRUCTURE	19.2
SOUTH SIDE & WEST END OF STRUCTURE	19.2
TOTAL =	38.4



S.N. 010-0021



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 74
 SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
 CHAMPAIGN COUNTY

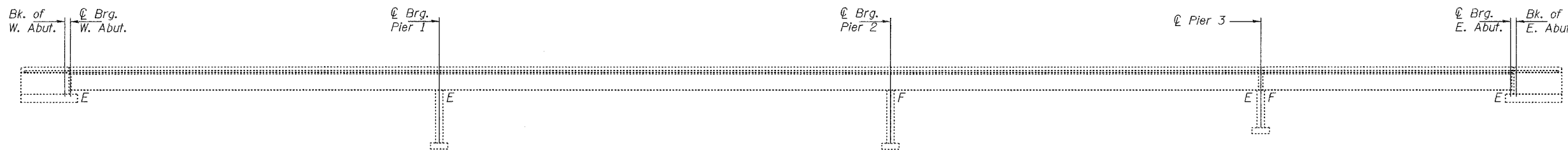
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 CHECKED BY:

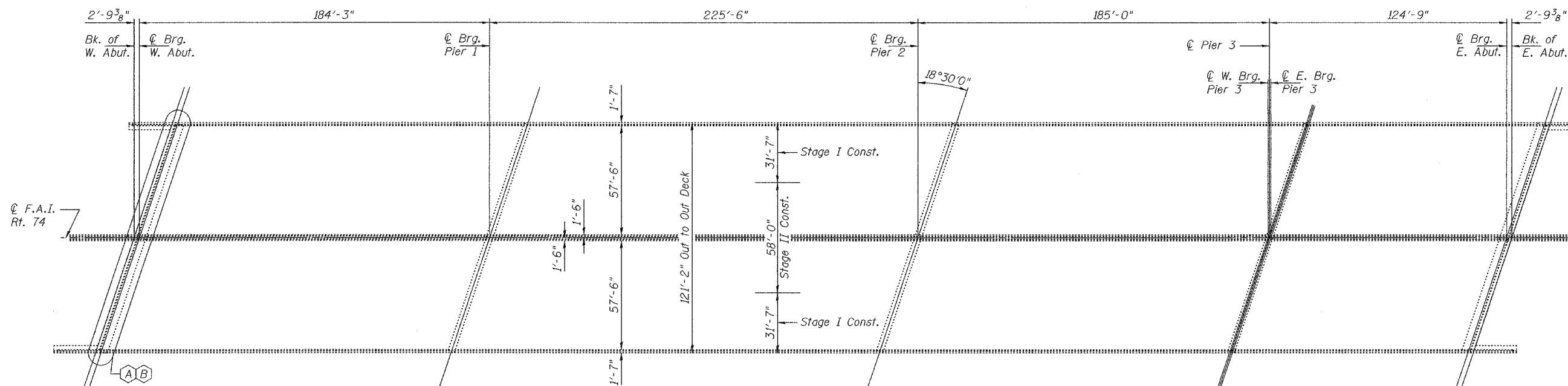
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		Champaign	72	10 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract No. 70141



ELEVATION



PLAN

- (A) Remove and Replace Finger Plate
- (B) Remove and Replace Abutment Backwall

GENERAL NOTES

All finger plates and stools shall conform to AASHTO M270 Gr. 50. All other structural steel shall conform to AASHTO Classification M270 Gr. 36.

Calculated weight of new structural steel Grade 36 = 4770 lbs.
Grade 50 = 45,930 lbs.

Fasteners shall be high strength bolts. Bolts 3/4" φ, open holes 1 1/16" φ, unless noted otherwise.

Reinforcement bars shall conform to the requirements of AASHTO M-31 or M322 Grade 60.

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Finger Plate Expansion Joints shall be assembled in the proper position with the ends in place and shall be left assembled for shop inspection.

The finger plates shall be flame cut as provided in Article 505.04(k) of the Standard Specifications.

Joint openings shall be adjusted according to Article 503.10(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.

All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Furnishing and Erecting Structural Steel.

Prior to pouring the new concrete deck, all loose rust, loose mill scale and other loose potentially detrimental foreign material shall be removed from the surface of the girders in contact with concrete. The cost of this work will be included in the pay item covering removal of the existing concrete. All heavy rust and other tightly adhered potentially detrimental foreign matter shall also be removed from the surfaces of the girders in contact with concrete. Tightly adhered paint may remain unless otherwise noted. This removal shall be accomplished by methods that will not damage the steel. The cost of this work will be paid for according to Article 109.04 of the Standard Specifications.

Cost of removal and/or re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included in the cost of Furnishing and Erecting Structural Steel.

The existing structural steel coating contains lead. The contractor should take appropriate precautions to deal with the presence of lead on the project. Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Removal	Pound	43,270
Furnishing and Erecting Structural Steel	L.S.	1
Concrete Removal	Cu. Yd.	371.3
Concrete Superstructure	Cu. Yd.	22.7
Reinforcement Bars, Epoxy Coated	Pound	13,560
Bar Splicers	Each	218
Fabric Reinforced Elastomeric Trough	Foot	131
Concrete Structures	Cu. Yd.	69.8
Temporary Sheet Piling	Sq. Ft.	430
Structure Excavation	Cu. Yd.	420
Porous Granular Embankment	Cu. Yd.	420
Mechanical Splicers	Each	248

PLAN AND ELEVATION
F.A.I. RT. 74
CHAMPAIGN COUNTY
SN 010-0021



EXPIRES 11-30-2006

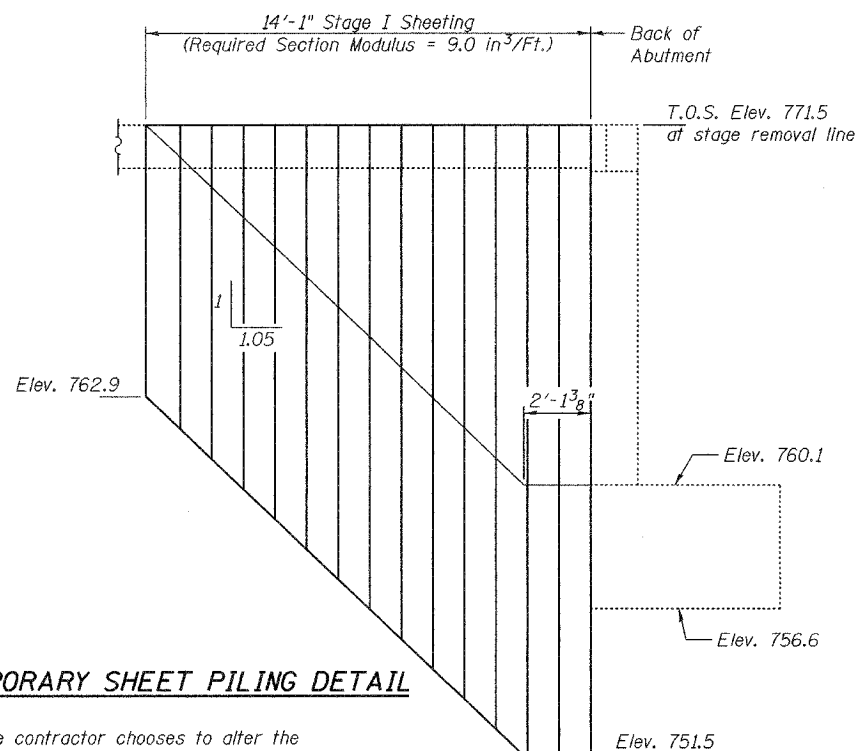
DESIGNED	<i>John A. Morris</i>
CHECKED	<i>John A. Morris</i>
DRAWN	<i>John A. Morris</i>
CHECKED	<i>M.J.T.</i>

EXAMINED	<i>December 7, 2005</i>
PASSED	<i>John A. Morris</i>
	<i>Robert E. Anderson</i>

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO. 2
		Champaign	73	10 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

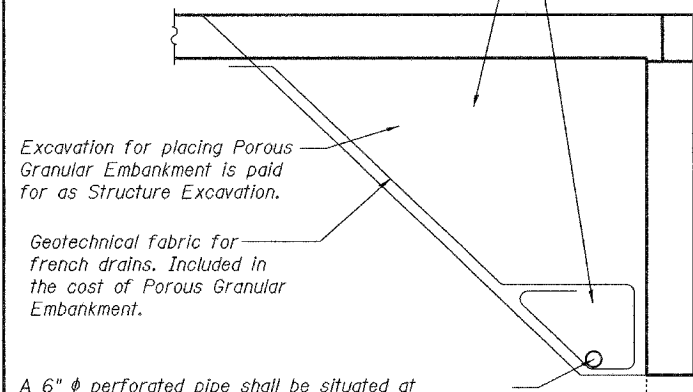
Contract No. 70141



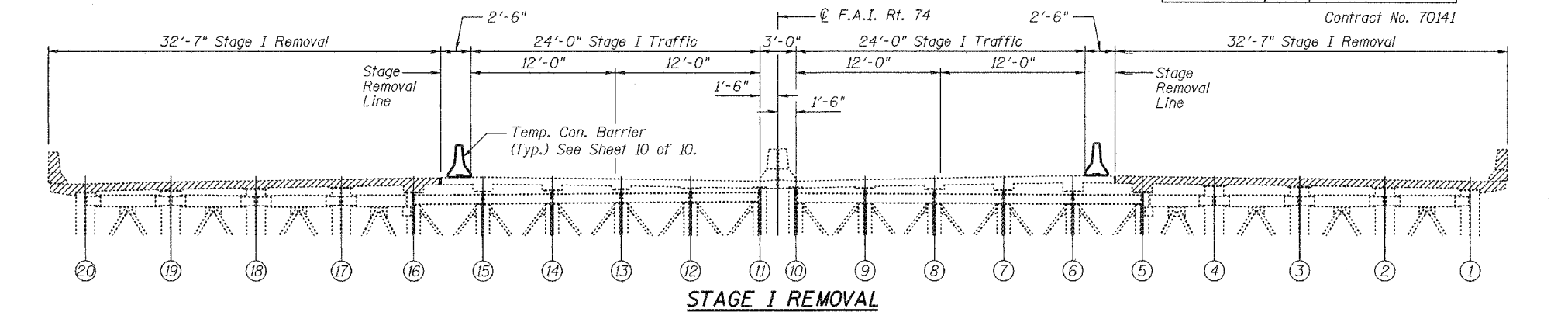
TEMPORARY SHEET PILING DETAIL

Notes:
If the contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

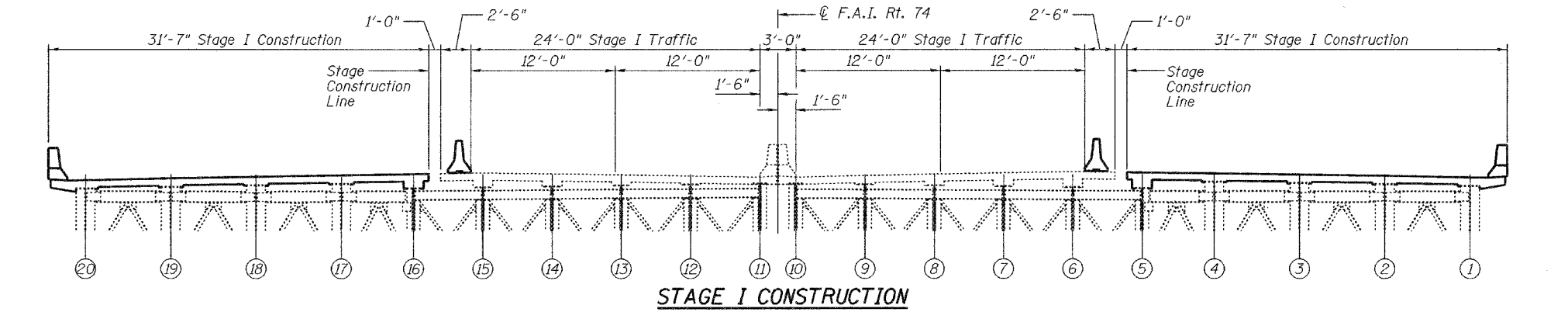
Backfill with uncompacted porous granular embankment with a gradation of CA-5 or CA-7 by Bridge Contractor after superstructure is in place. Limits shall be 1'-0" from the end of each wingwall.



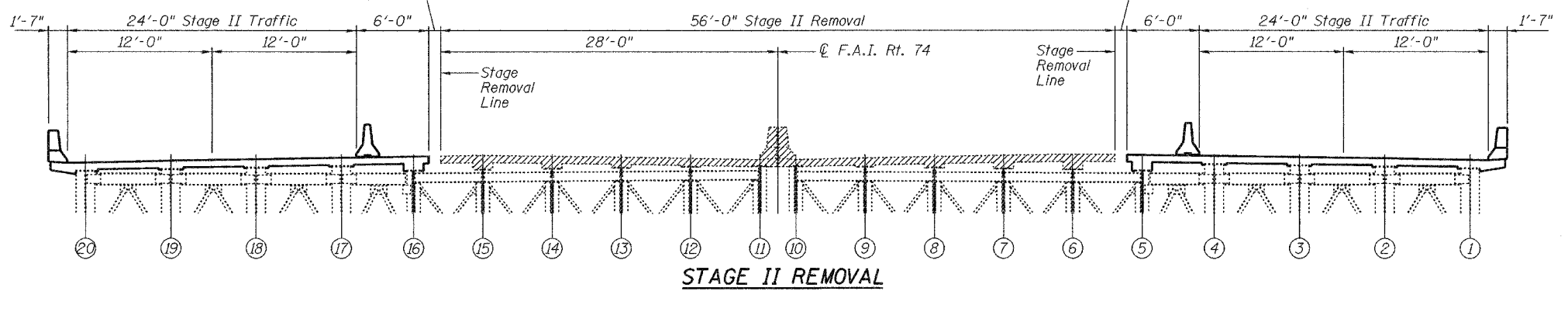
DRAIN DETAIL AT ABUTMENT



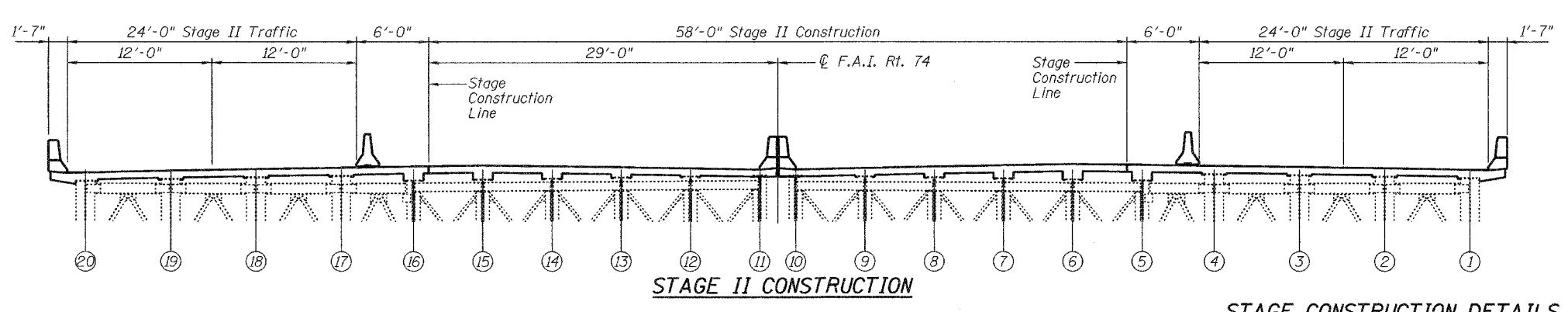
STAGE I REMOVAL



STAGE I CONSTRUCTION



STAGE II REMOVAL



STAGE II CONSTRUCTION

STAGE CONSTRUCTION DETAILS
F.A.I. RT. 74
CHAMPAIGN COUNTY
SN 010-0021

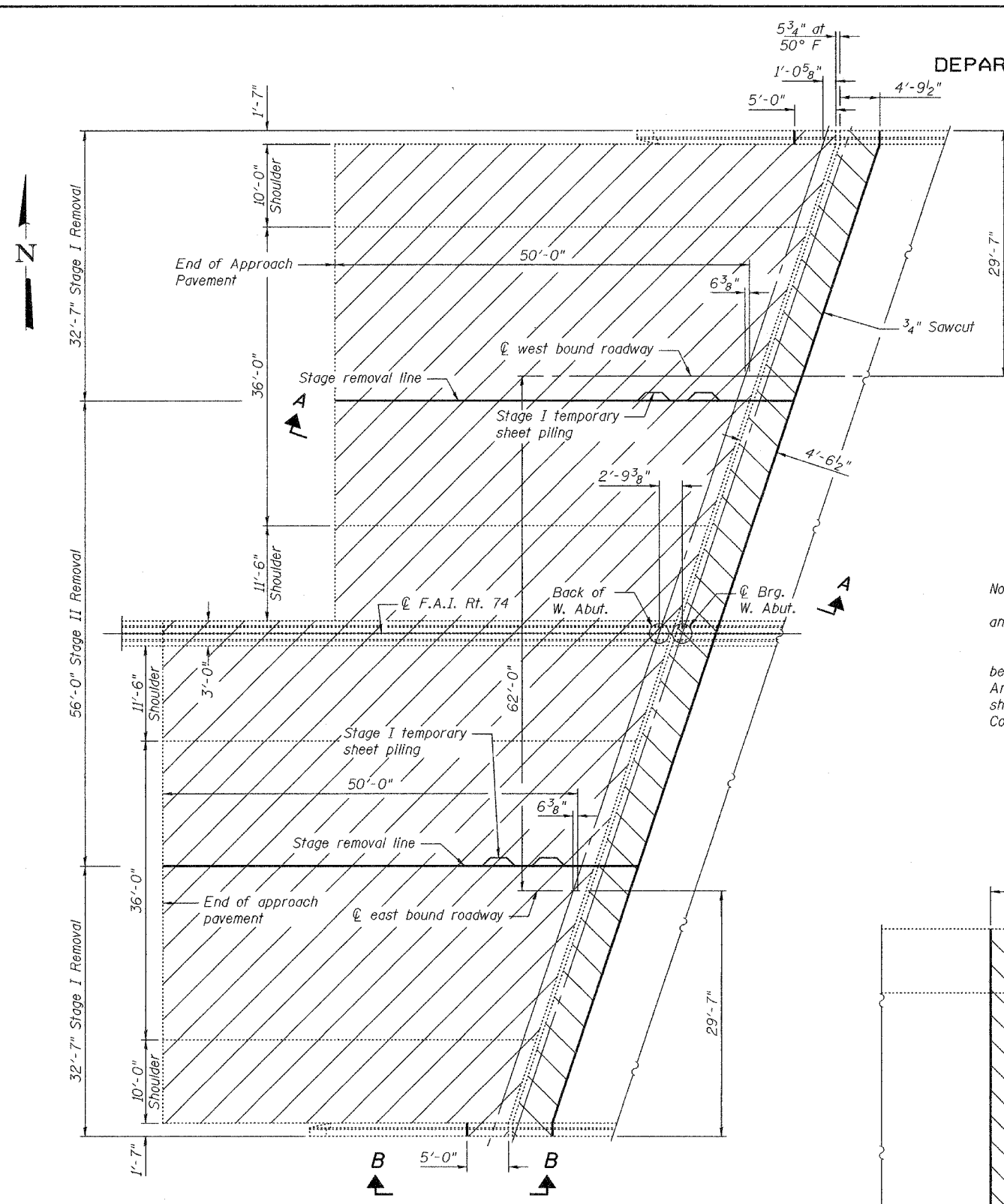
Notes:
All stage sections looking west.

DESIGNED	M.J.T.	DATE	December 7, 2005
CHECKED	D.A.B.	EXAMINED	John A. Morris ENGINEER OF STRUCTURAL SERVICES
DRAWN	Drew Christopher	PASSED	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES
CHECKED	M.J.T. D.A.B.		

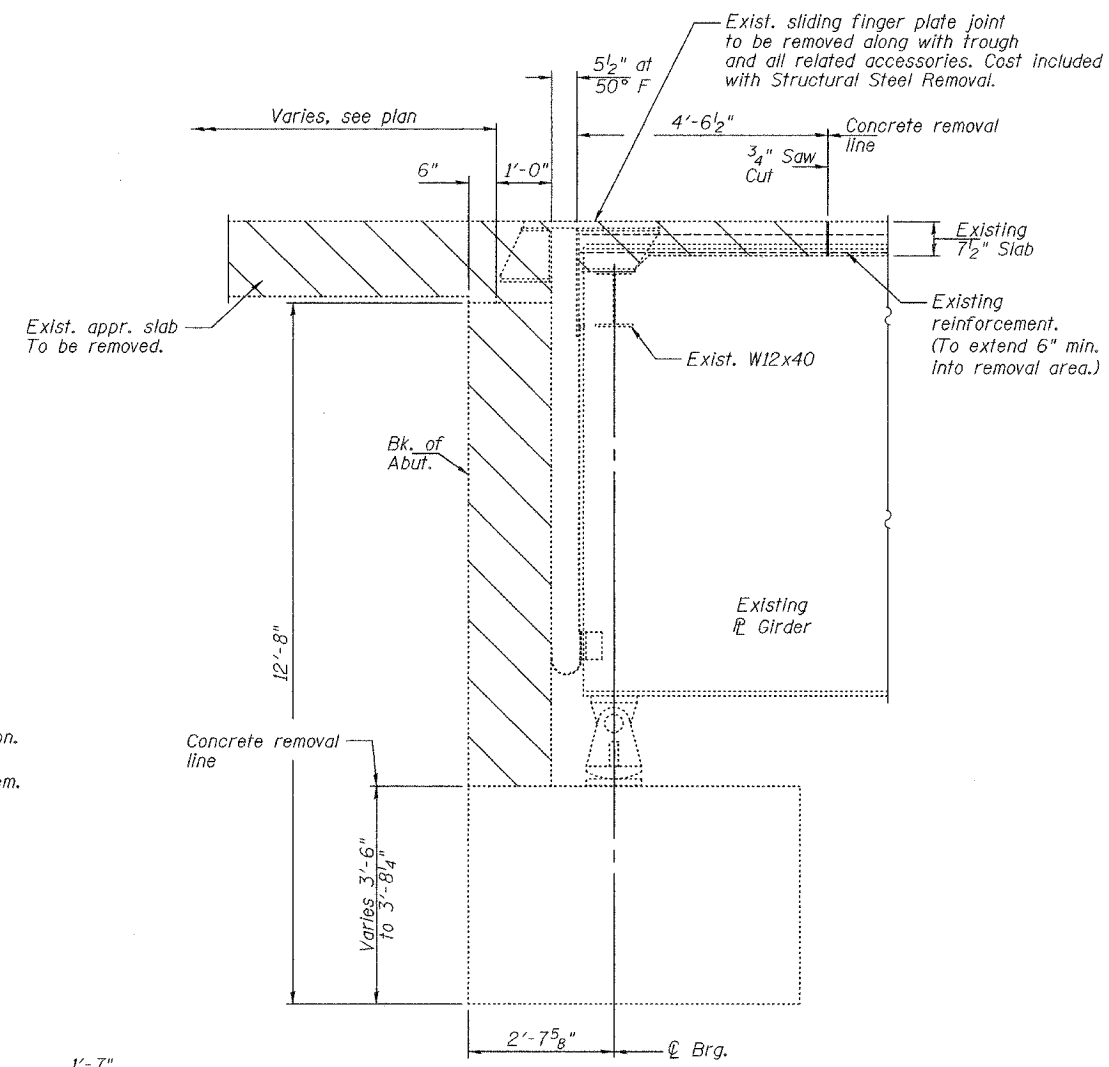
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
		Champaign	74	10 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

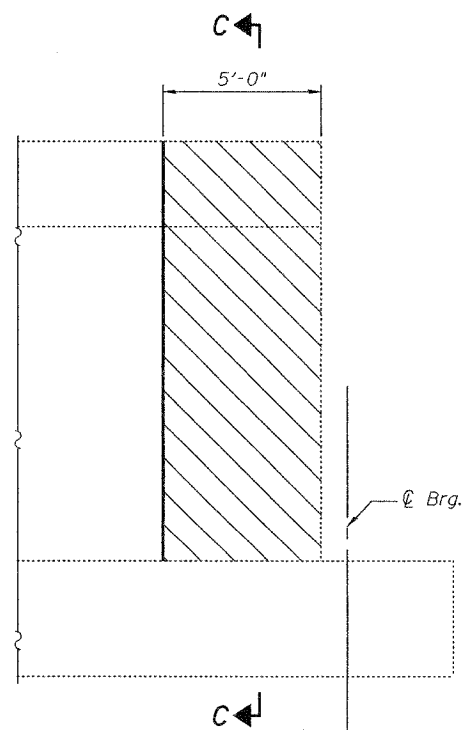
Contract No. 70141



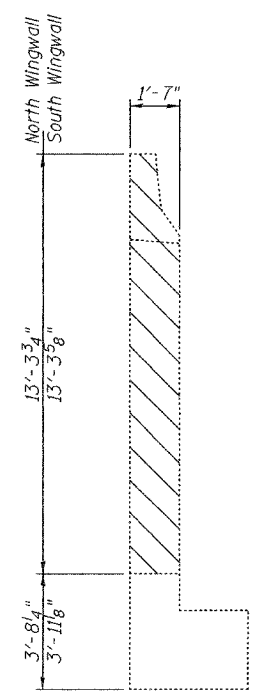
Note:
See roadway plans for details and quantities of new approach, and approach median parapets.
Hatched area indicates area of concrete removal.
Existing reinforcement extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.



SECTION A-A



VIEW B-B



SECTION C-C

WEST ABUTMENT AND APPROACH PLAN

WEST ABUTMENT FINGER PLATE AND
APPROACH SLAB REMOVAL DETAILS
F.A.I. RT. 74
CHAMPAIGN COUNTY
SN 010-0021

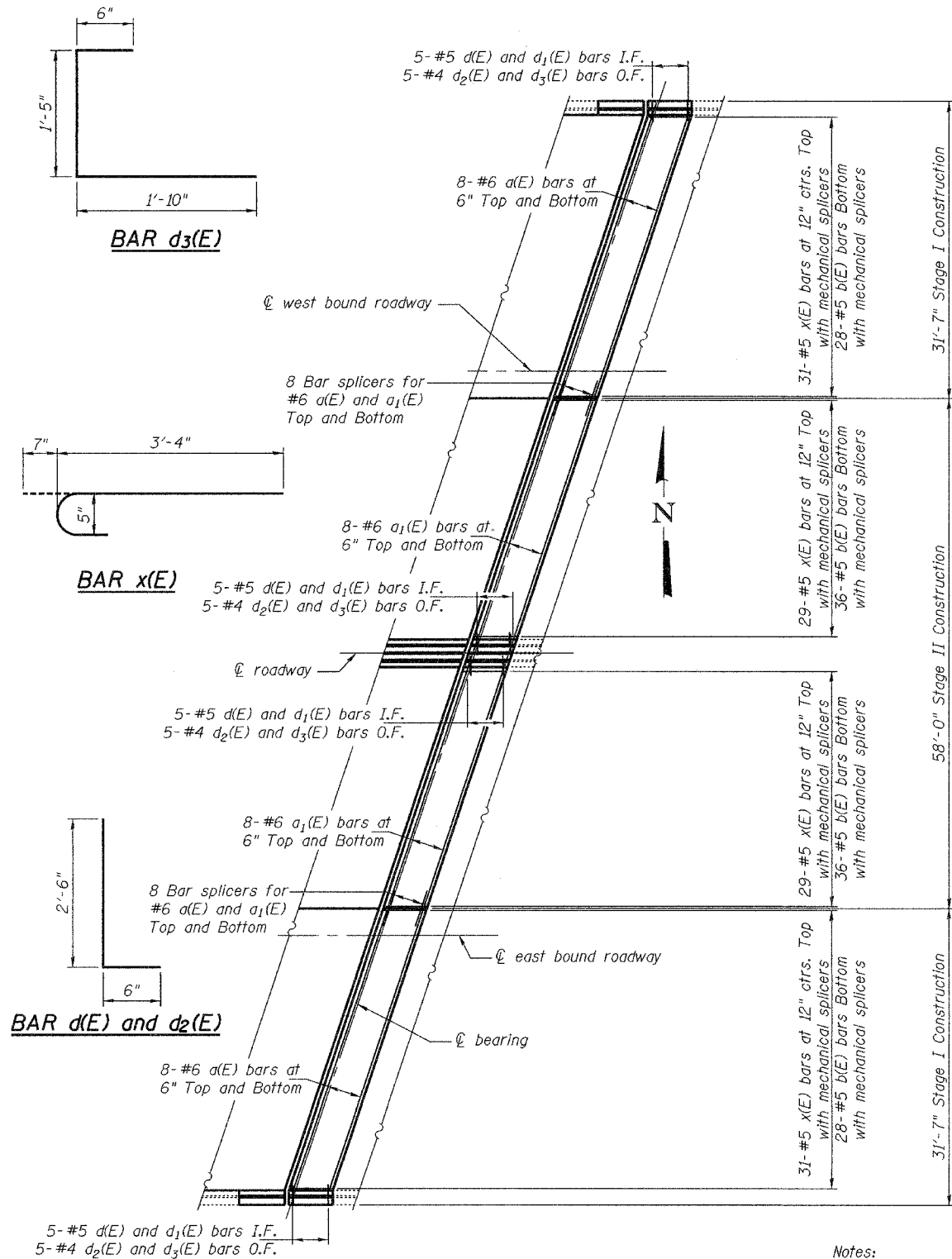
DESIGNED	M.J.T.
CHECKED	D.A.B.
DRAWN	Drew Christopher
CHECKED	M.J.T. D.A.B.

DECEMBER 7, 2005
EXAMINED *John A. Morris*
ENGINEER OF STRUCTURAL SERVICES
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		Champaign	75	10 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

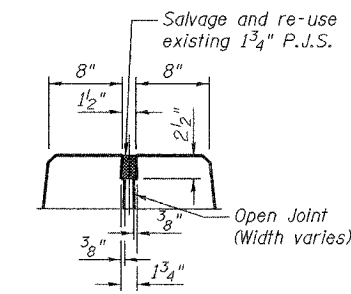
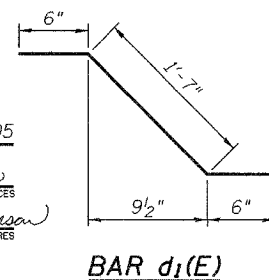
Contract No. 70141



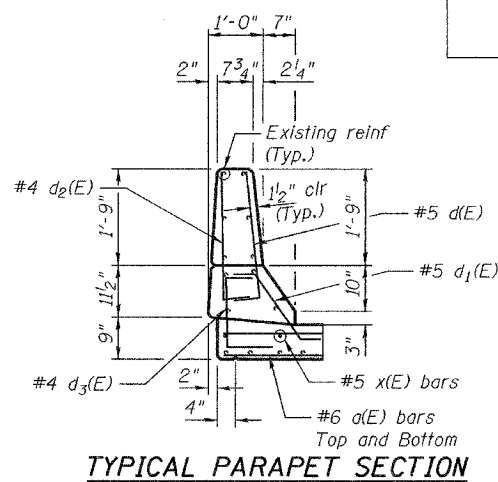
DECK PLAN AT WEST ABUTMENT

DESIGNED	M.J.T.
CHECKED	D.A.B.
DRAWN	Drew Christopher
CHECKED	M.J.T. D.A.B.

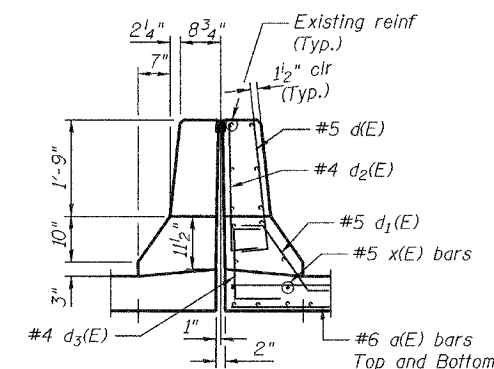
DECEMBER 7, 2005
EXAMINED *John A. Morris*
ENGINEER OF STRUCTURAL SERVICES
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES



MEDIAN PARAPET JOINT DETAIL



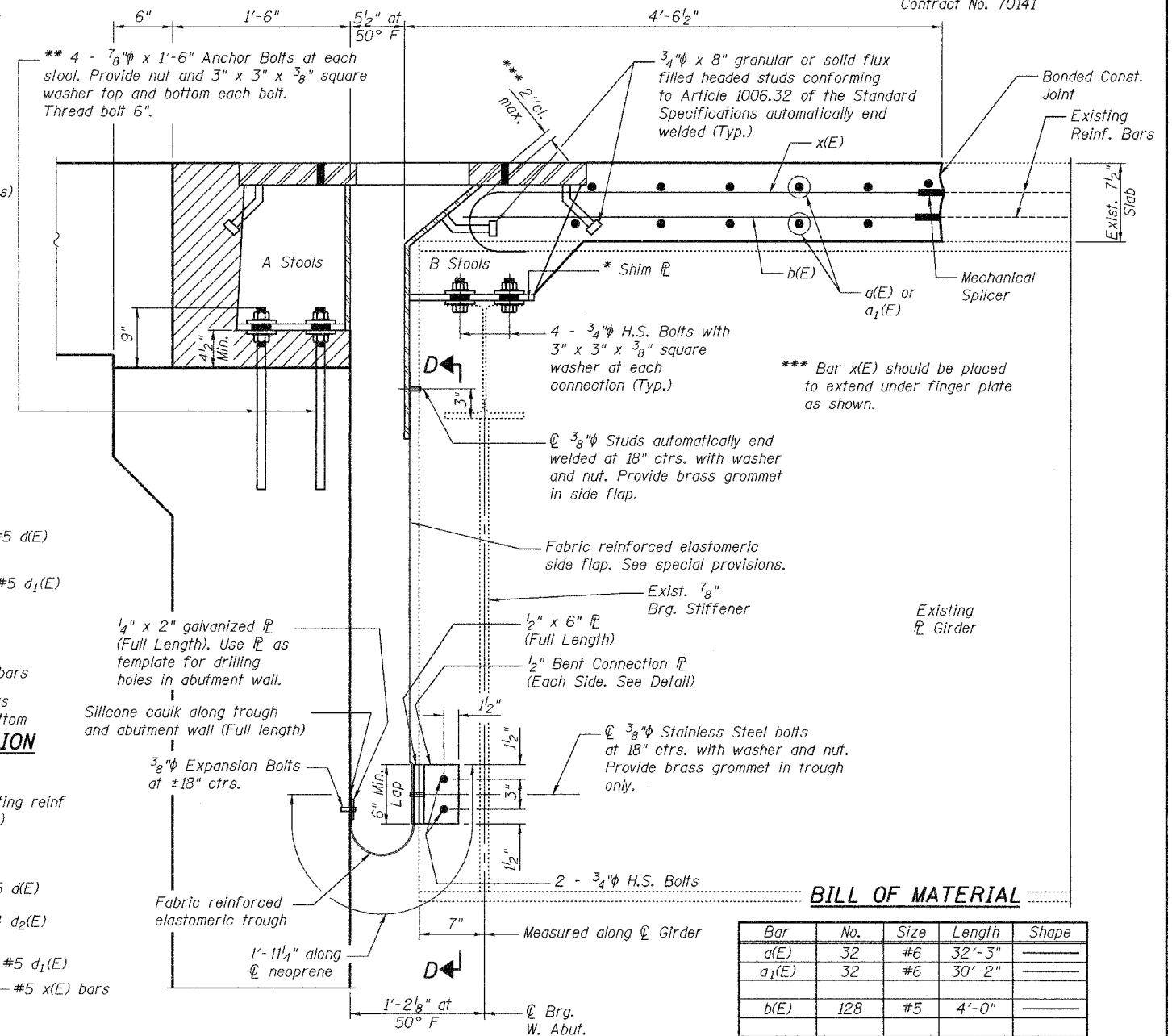
TYPICAL PARAPET SECTION



TYPICAL SECTION THRU MEDIAN PARAPET

Notes:

- For stool details see sheet 6 of 10.
- For stool locations, see sheet 5 of 10.
- For view D-D see sheet 6 of 10.
- For concrete removal details for the deck, approach and at the abutment see sheet 3 of 10.
- For approach pavement details, median parapet details and quantities see roadway plans.
- For bar splicer details see sheet 9 of 10.
- Existing shear studs that interfere with the finger plate stools shall be removed using the air-arc method and grind smooth all weld material remaining on the top flange. Cost included with Furnishing and Erecting Structural Steel.
- Existing reinforcement extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.



SECTION THROUGH WEST ABUTMENT

Horizontal dimensions are measured normal to backwall of W. Abut. except as noted.

- * Provide 1/2" normal shim, one 1/4" shim, one 1/8" shim and one 1/16" shim for height adjustment. Tapered shims shall be added under the stools as required by the engineer to make a smooth finger joint. Cost shall be included with Furnishing and Erecting Structural Steel.
- ** The Contractor may use, at his option, the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes (9" Min. depth) according to the manufacturer's recommendations and procedures. The capsule or the adhesive cartridge type anchor rods shall be a two part system composed of:
 1. A threaded rod stud with nut and washer of the type specified.
 2. A sealed glass capsule or a sealed glass adhesive cartridge containing pre measured amounts of the adhesive chemical.
- The anchor rods, furnished and installed and including the epoxy grout or capsules shall not be paid for separately but shall be included in the unit bid price for Furnishing and Erecting Structural Steel.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	32	#6	32'-3"	—
a ₁ (E)	32	#6	30'-2"	—
b(E)	128	#5	4'-0"	—
d(E)	20	#5	3'-0"	L
d ₁ (E)	24	#5	2'-7"	L
d ₂ (E)	20	#4	3'-0"	L
d ₃ (E)	24	#4	3'-9"	L
x(E)	120	#5	3'-11"	—
Concrete Removal			Cu. Yd.	371.3
Concrete Superstructure			Cu. Yd.	22.7
Bar Splicers			Each	32
Mechanical Splicers			Each	248
Reinforcement Bars, Epoxy Coated			Lbs.	4340

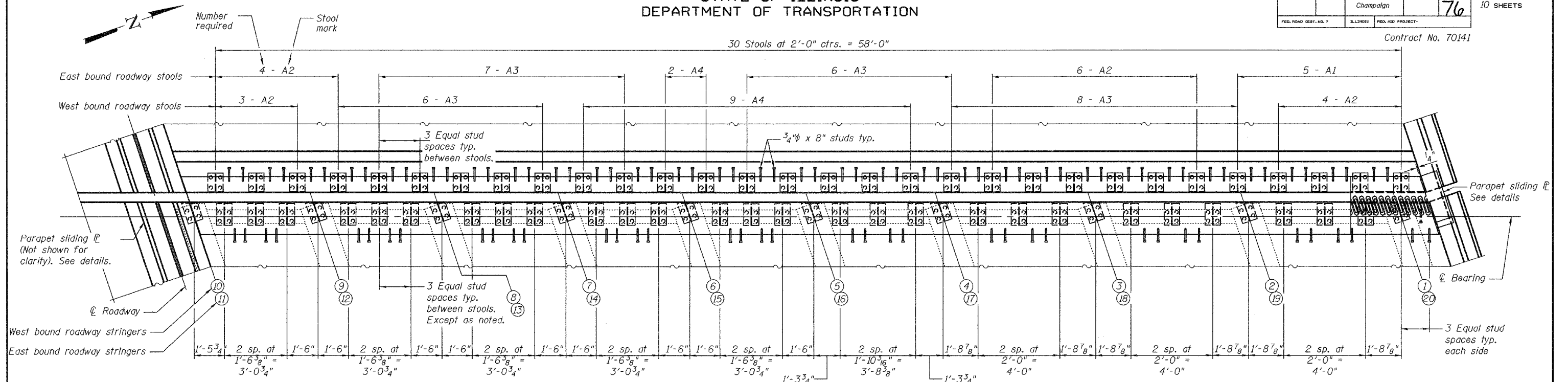
Reinforcement bars designated (E) shall be epoxy coated.

FINGER PLATE DETAILS
F.A.I. RT. 74
CHAMPAIGN COUNTY
SN 010-0021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

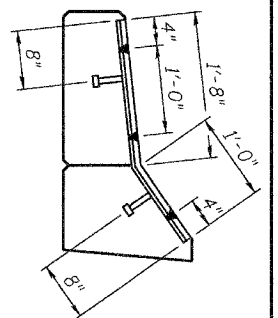
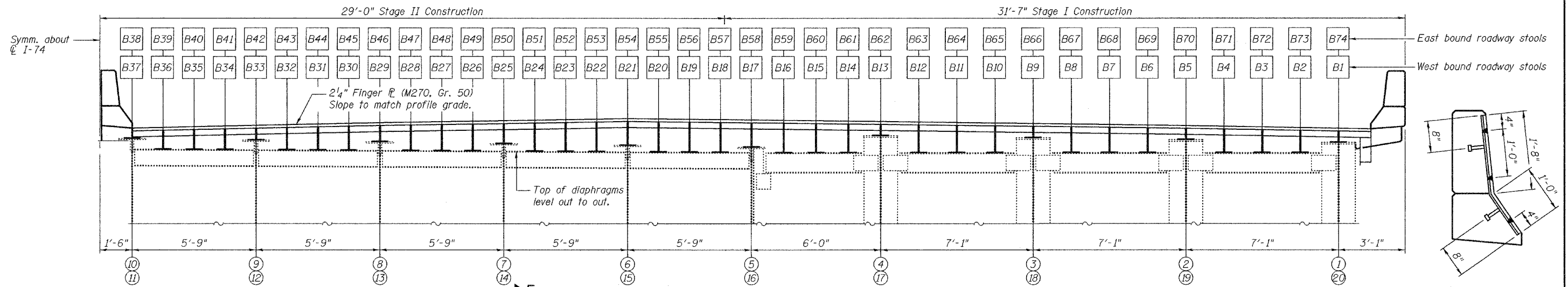
ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
		Champaign	76	10 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

Contract No. 70141



JOINT PLAN

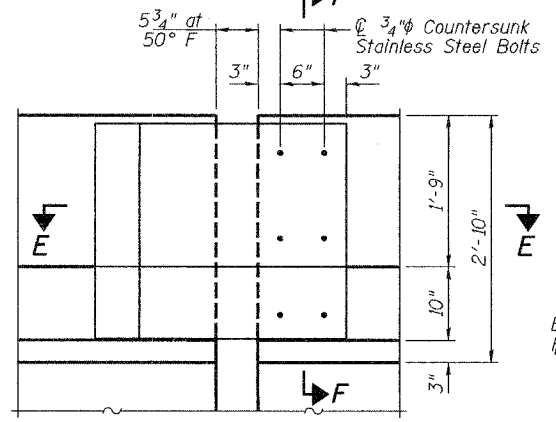
(Showing the West bound lanes)
(East bound lanes similar as noted)



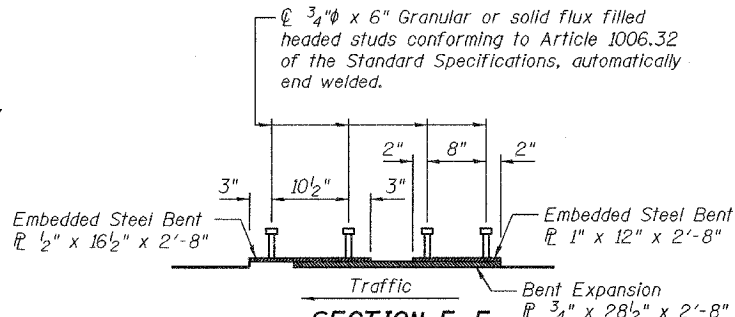
SECTION F-F

DECK CROSS SECTION

(Looking West)
(Showing the West bound lanes)
(East bound lanes similar as noted)

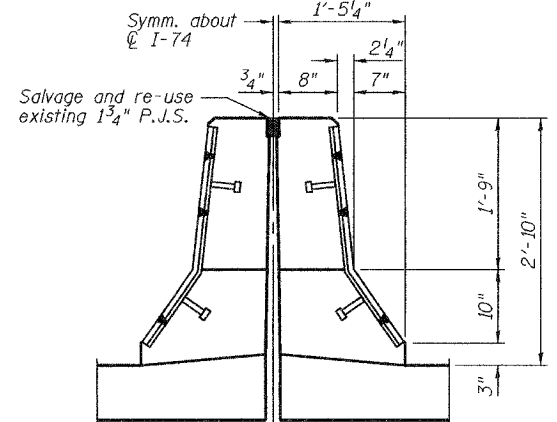


ELEVATION - PARAPET SLIDING PLATE



SECTION E-E

Expansion Plate and Embedded Plates shall be galvanized according to AASHTO M111. Cost included with Furnishing and Erecting Structural Steel.



SECTION THRU MEDIAN PARAPET

Note:
See sheet 6 of 10 for Stool dimensions.

FINGER PLATE JOINT PLAN AND ELEVATION
F.A.I. RT. 74
CHAMPAIGN COUNTY
SN 010-0021

DESIGNED	M.J.T.
CHECKED	D.A.B.
DRAWN	Drew Christopher
CHECKED	M.J.T., D.A.B.

December 7, 2005

EXAMINED John A. Morris
ENGINEER OF STRUCTURAL SERVICES

PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		Champaign	77	10
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

Contract No. 70141

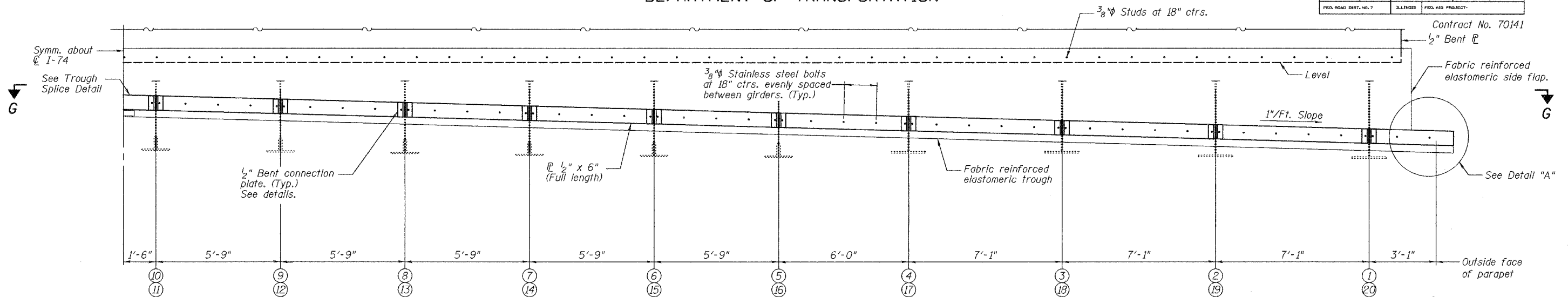
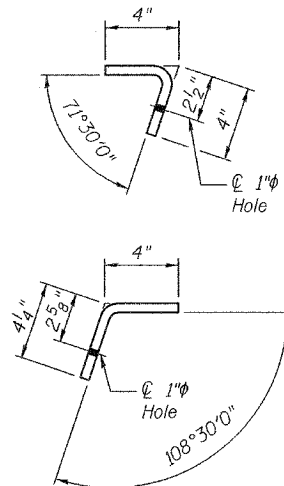


TABLE OF "B" DIMENSIONS TABLE OF "A" DIMENSIONS

Stool No.	Dim. B	Stool No.	Dim. B
B1	6 1/4"	B38	6 1/8"
B2	12 3/8"	B39	12 5/16"
B3	12 13/16"	B40	12 3/8"
B4	13 5/16"	B41	12 15/16"
B5	6 1/4"	B42	8 1/16"
B6	14"	B43	13 9/16"
B7	14 5/16"	B44	13 7/8"
B8	14 5/16"	B45	14 1/4"
B9	6 1/4"	B46	9 13/16"
B10	15 1/2"	B47	14 3/4"
B11	15 1/4"	B48	15"
B12	15 3/4"	B49	15 1/4"
B13	6 1/4"	B50	11 1/16"
B14	16 3/16"	B51	15 1/16"
B15	16 1/2"	B52	15 5/16"
B16	16 3/4"	B53	16 3/8"
B17	13 15/16"	B54	12 3/8"
B18	17 1/2"	B55	16 3/8"
B19	17 5/8"	B56	16"
B20	17 9/16"	B57	15 1/16"
B21	14 1/16"	B58	12 3/8"
B22	17 1/4"	B59	15 1/8"
B23	16 1/16"	B60	14 3/4"
B24	16 1/16"	B61	14 5/16"
B25	12 3/8"	B62	6 1/4"
B26	16 1/2"	B63	13 3/4"
B27	15 13/16"	B64	13 5/16"
B28	15 1/2"	B65	12 7/8"
B29	10 3/16"	B66	6 1/4"
B30	14 13/16"	B67	12 3/16"
B31	14 1/16"	B68	11 3/4"
B32	14"	B69	11 3/4"
B33	8 7/16"	B70	6 1/4"
B34	13 3/16"	B71	10 1/2"
B35	12 13/16"	B72	10"
B36	12 3/8"	B73	9 7/16"
B37	6 1/2"	B74	6 1/4"

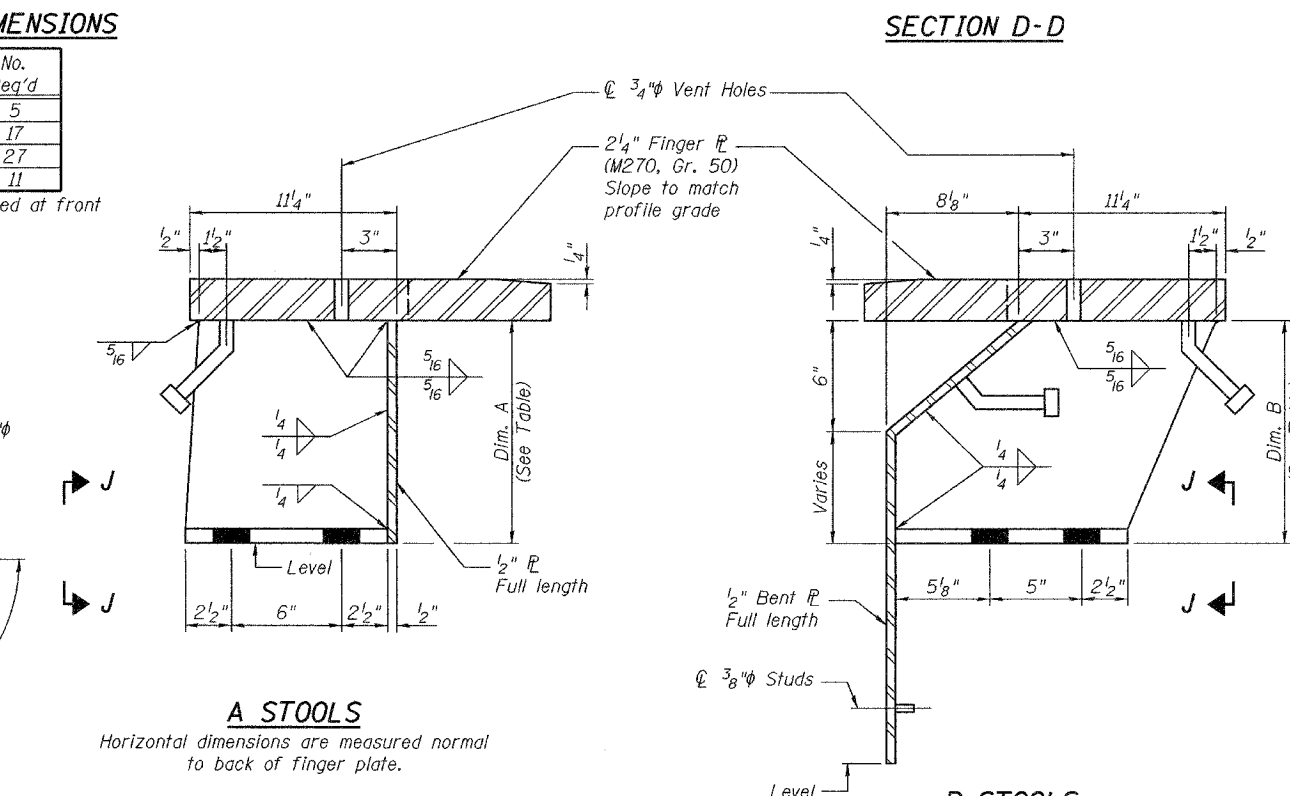
Stool No.	Dim. A	No. Req'd
A1	11"	5
A2	13 1/2"	17
A3	16"	27
A4	18 1/2"	11

Dimension "A" is measured at front face of backwall.



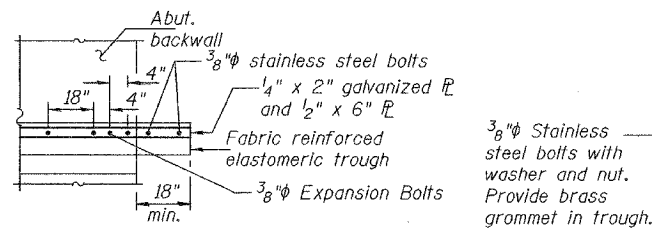
BENT CONNECTION PLATE DETAILS

Dimension "B" is measured at \bar{C} Brg.

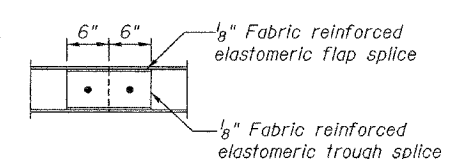


A STOOLS
Horizontal dimensions are measured normal to back of finger plate.

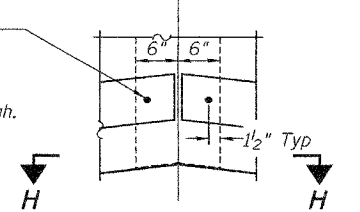
B STOOLS
Horizontal dimensions are measured normal to back of finger plate.



DETAIL A

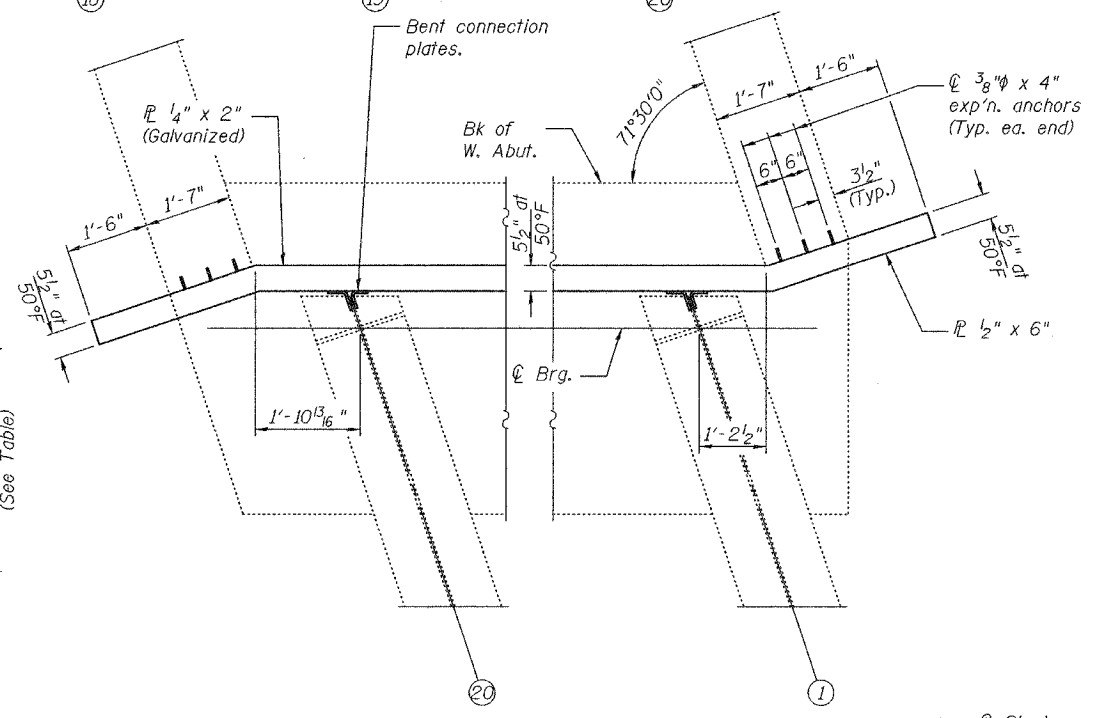


SECTION H-H



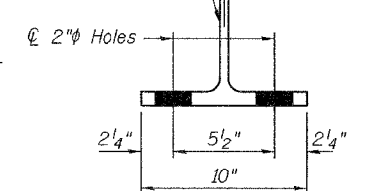
TROUGH SPLICE DETAIL

Notes:
For stool locations, see sheet 5 of 10.

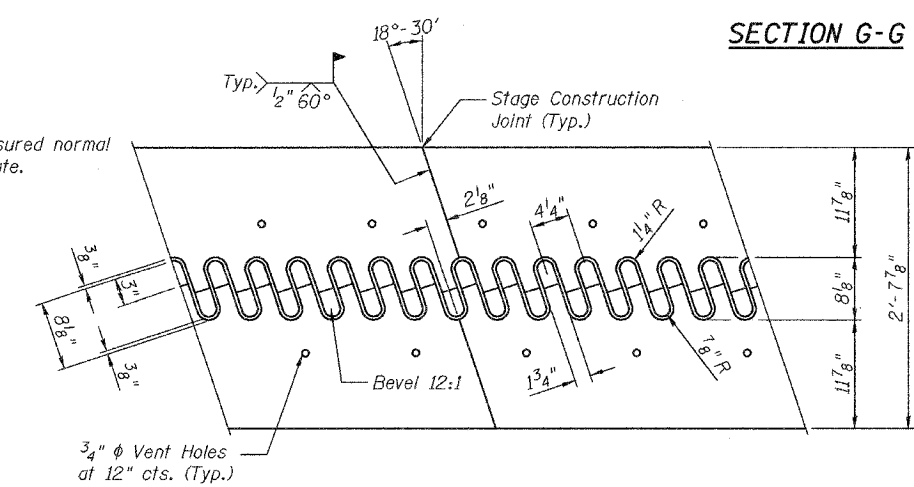


SECTION G-G

Cut stools from W27x84 (M270, Gr. 50)



VIEW J-J



FLAME CUTTING DIAGRAM

Cut from
2 \bar{L} 's 2 1/4" x 2'-7 7/8" x 60'-7 1/8" (M270 - Gr. 50)

FINGER PLATE DETAILS
F.A.I. RT. 74
CHAMPAIGN COUNTY
SN 010-0021

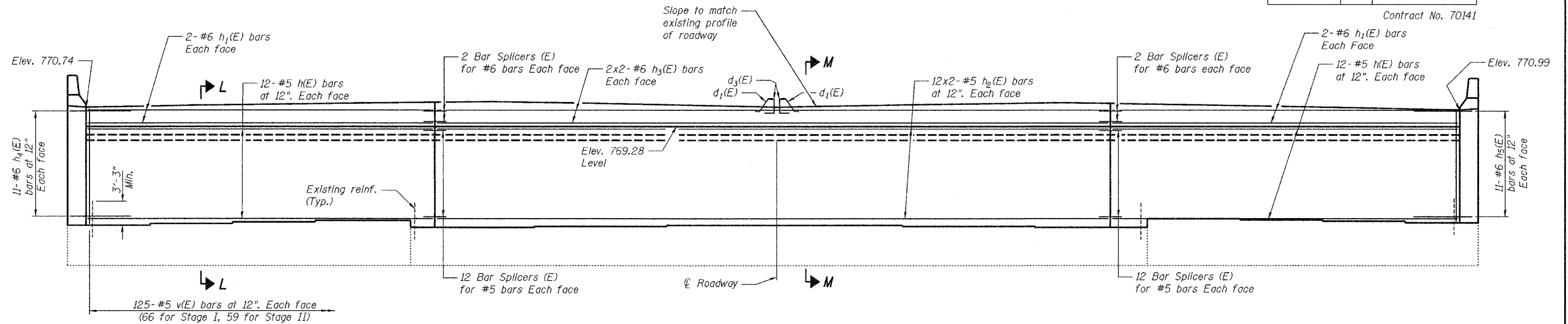
DESIGNED	M.J.T.
CHECKED	D.A.B.
DRAWN	Drew Christopher
CHECKED	M.J.T. D.A.B.

EXAMINED	December 7, 2005
	John A. Morris
PASSED	Ralph E. Anderson

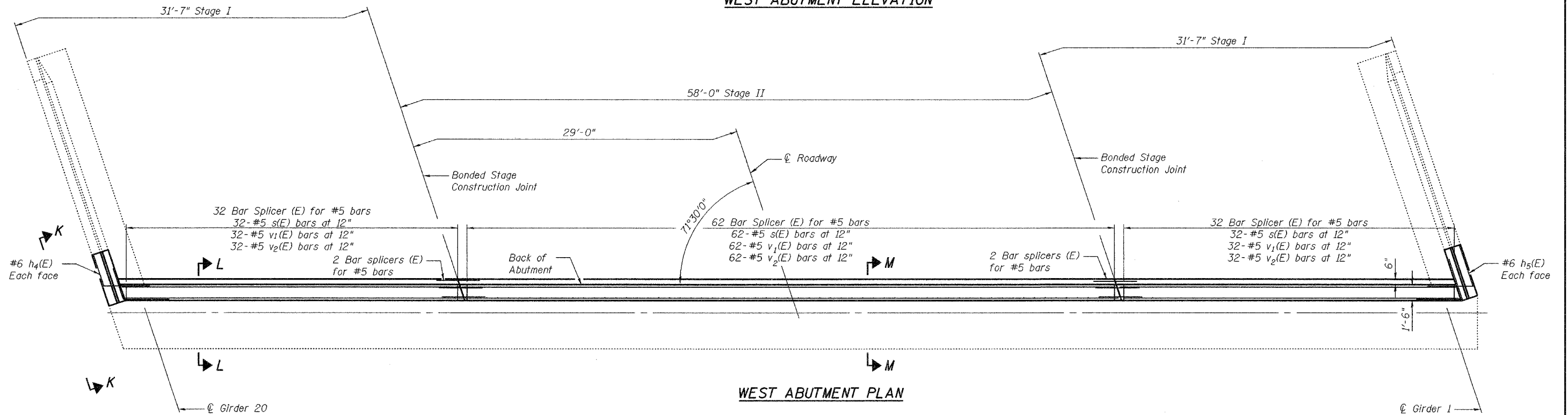
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO. 7
		Champaign	78	10 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

Contract No. 70141



WEST ABUTMENT ELEVATION



WEST ABUTMENT PLAN

DESIGNED	M.J.T.
CHECKED	D.A.B.
DRAWN	Drew Christopher
CHECKED	M.J.T. D.A.B.

December 7, 2005
 EXAMINED *John A. Morris*
 ENGINEER OF STRUCTURAL SERVICES
 PASSED *Ralph E. Anderson*
 ENGINEER OF BRIDGES AND STRUCTURES

MIN. BAR LAPS

- #5 = 3'-0"
- #6 = 3'-7"

Notes:

For Bar Splicer details see sheet 9 of 10.
 For sections of West abutment, bill of materials and bar bending diagrams see sheet 8 of 10.
 Bars d₁(E) and d₃(E) are billed with the superstructure on sheet 4 of 10.
 Existing reinforcement extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.

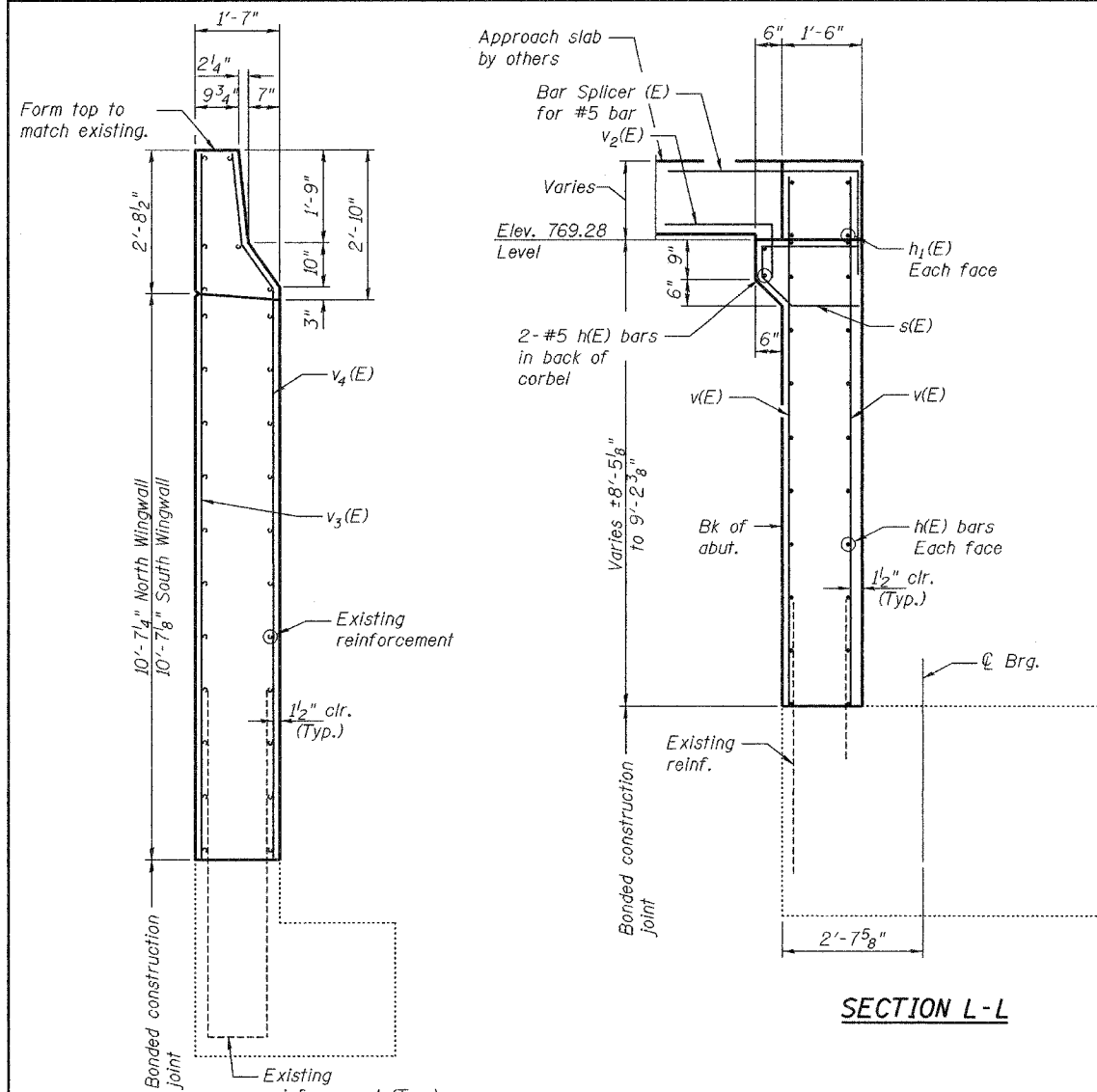
WEST ABUTMENT PLAN AND ELEVATION

F.A.I. RT. 74
 CHAMPAIGN COUNTY
 SN 010-0021

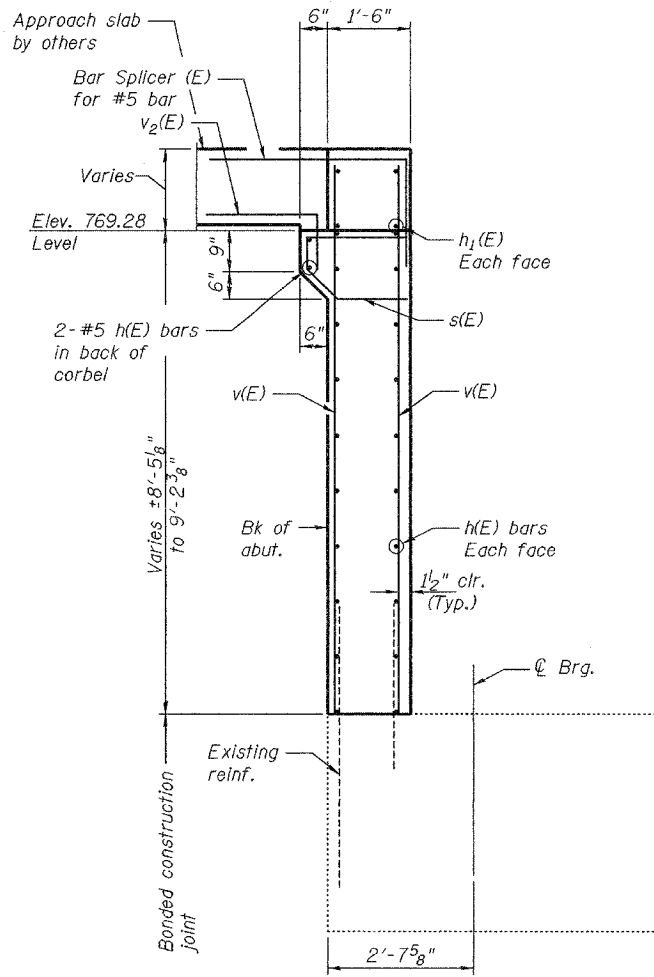
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET
		Champaign	79	10
SHEET NO. 8 10 SHEETS				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

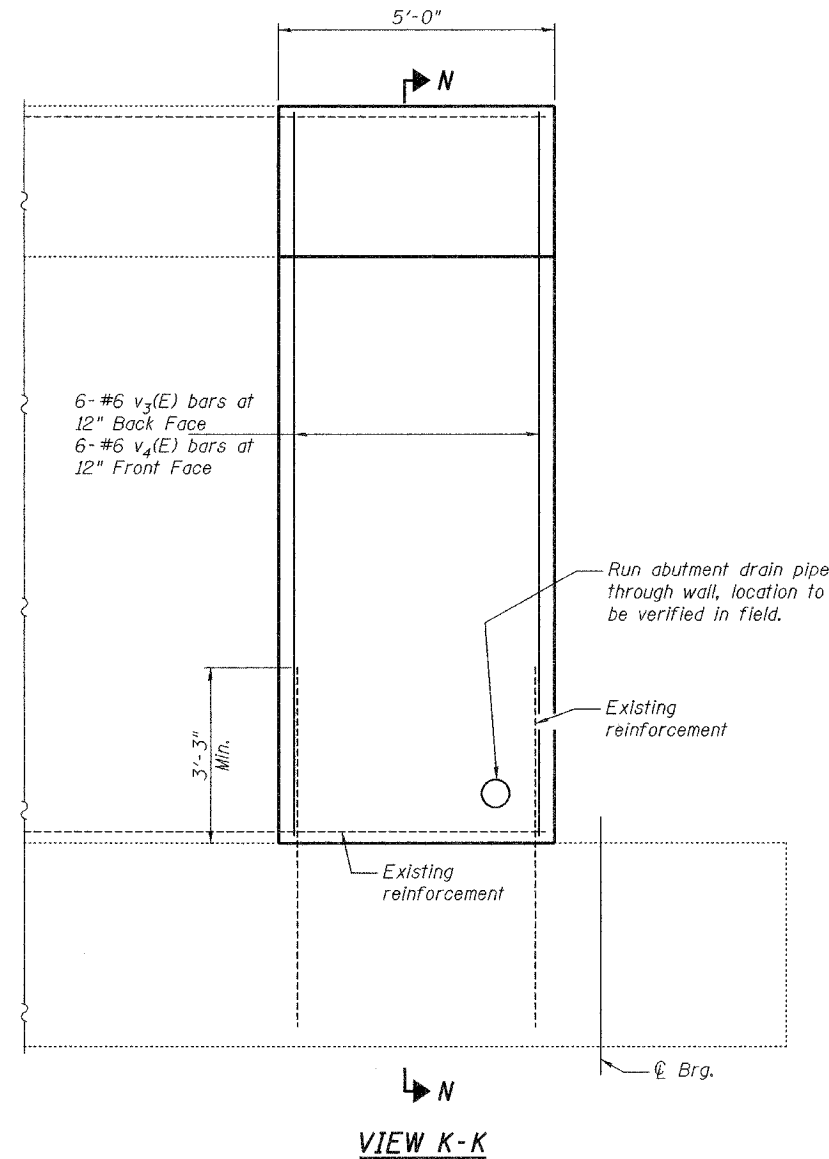
Contract No. 70141



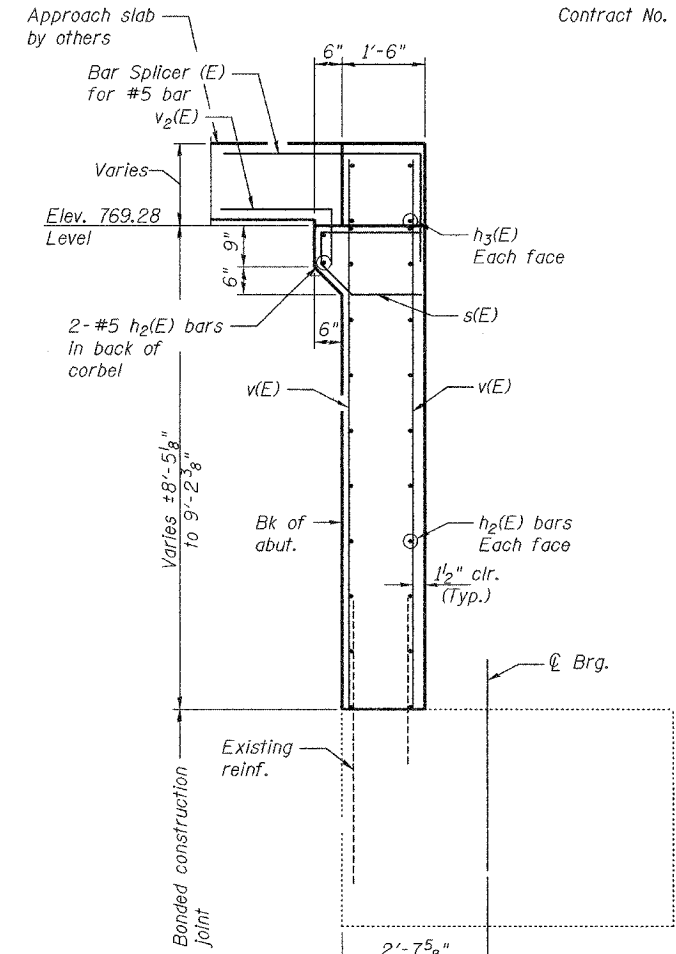
SECTION N-N



SECTION L-L



VIEW K-K

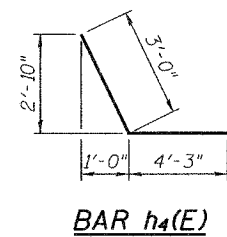


SECTION M-M

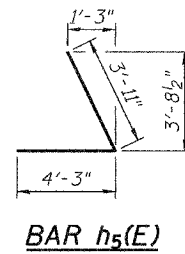
BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
h(E)	52	#5	31'-4"	—	
h1(E)	8	#6	31'-4"	—	
h2(E)	52	#5	32'-0"	—	
h3(E)	8	#6	32'-4"	—	
h4(E)	22	#6	7'-3"	—	
h5(E)	22	#6	8'-2"	—	
s(E)	126	#5	4'-2"	—	
v(E)	250	#5	10'-5"	—	
v1(E)	126	#5	3'-0"	—	
v2(E)	126	#5	3'-0"	—	
v3(E)	12	#6	13'-0"	—	
v4(E)	12	#6	12'-6"	—	
Concrete Structures				Cu. Yd.	69.8
Reinforcement Bars, Epoxy Coated				Lbs.	9220

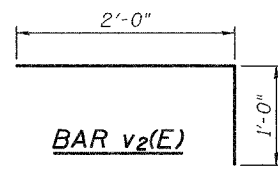
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 1 x 2-#5 etc. indicates 1 line of bars with 2 lengths per line.



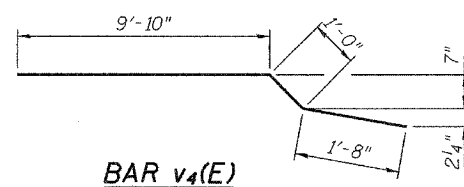
BAR h4(E)



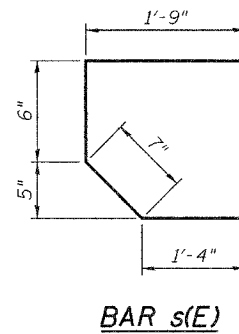
BAR h5(E)



BAR v2(E)



BAR v4(E)



BAR s(E)

MIN. BAR LAPS
#5 = 3'-0"
#6 = 3'-7"

Notes:
For Bar Splicer details see sheet 9 of 10.
Existing reinforcement extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.

WEST ABUTMENT DETAILS
F.A.I. RT. 74
CHAMPAIGN COUNTY
SN 010-0021

DESIGNED	M.J.T.
CHECKED	D.A.B.
DRAWN	Drew Christopher
CHECKED	M.J.T. D.A.B.

December 7, 2005
EXAMINED John A. Morris
ENGINEER OF STRUCTURAL SERVICES
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		Champaign	80	9
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		10 SHEETS

Contract No. 70141

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

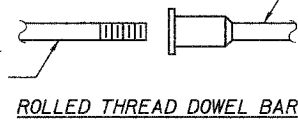
- ① Minimum Capacity = $1.25 \times f_y \times A_t$
(Tension in kips)
- ② Minimum *Pull-out Strength = $1.25 \times f_{s,allow} \times A_t$
(Tension in kips)

Where f_y = Yield strength of lapped reinforcement bars in ksi.
 $f_{s,allow}$ = Allowable tensile stress in lapped reinforcement bars in ksi (Service Load)
 A_t = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	5.9
#5	2'-0"	23.0	9.2
#6	2'-7"	33.1	13.3
#7	3'-5"	45.1	18.0
#8	4'-6"	58.9	23.6
#9	5'-9"	75.0	30.0
#10	7'-3"	95.0	38.0
#11	9'-0"	117.4	46.8

Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."

The diameter of this part is equal or larger than the diameter of bar spliced.

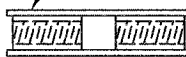


ROLLED THREAD DOWEL BAR



** ONE PIECE

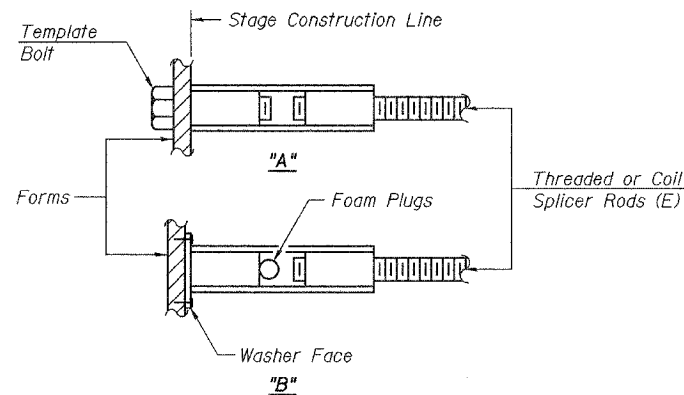
Wire Connector



WELDED SECTIONS

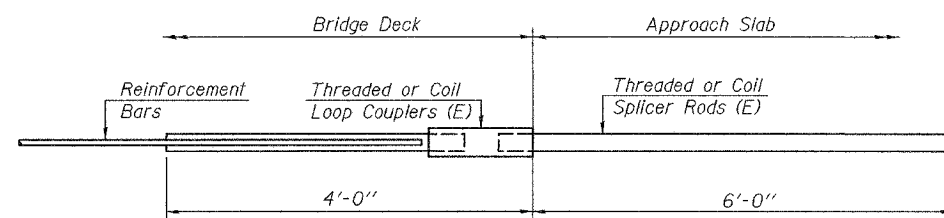
BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



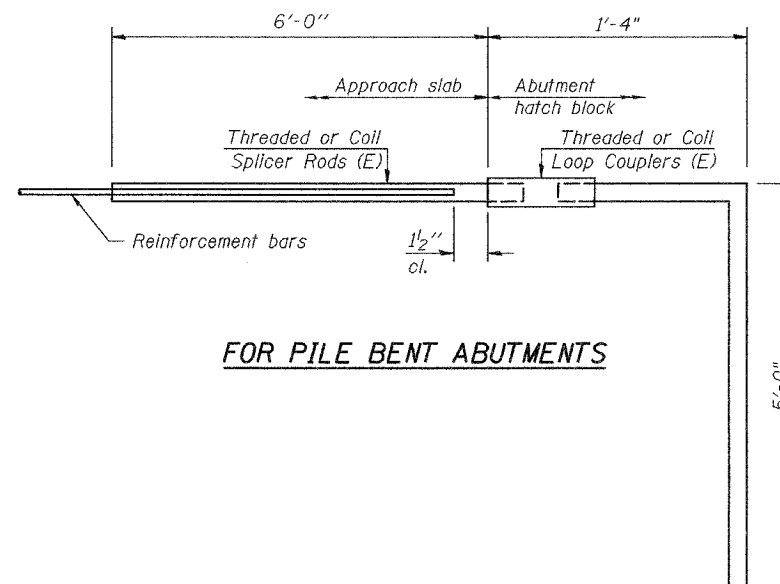
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



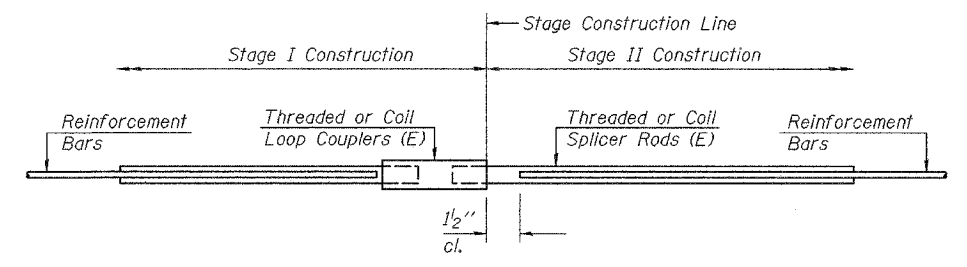
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 9.2 kips - tension
No. Required =



FOR PILE BENT ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 9.2 kips - tension
No. Required = 126



STANDARD

Bar Size	No. Assemblies Required	Location
#5	52	W. Abut.
#6	8	W. Abut.
#6	32	Deck

DESIGNED	M.J.T.
CHECKED	D.A.B.
DRAWN	Drew Christopher
CHECKED	M.J.T. D.A.B.

December 7, 2005
 EXAMINED John A. Morris
 ENGINEER OF STRUCTURAL SERVICES
 PASSED Ralph E. Anderson
 ENGINEER OF BRIDGES AND STRUCTURES

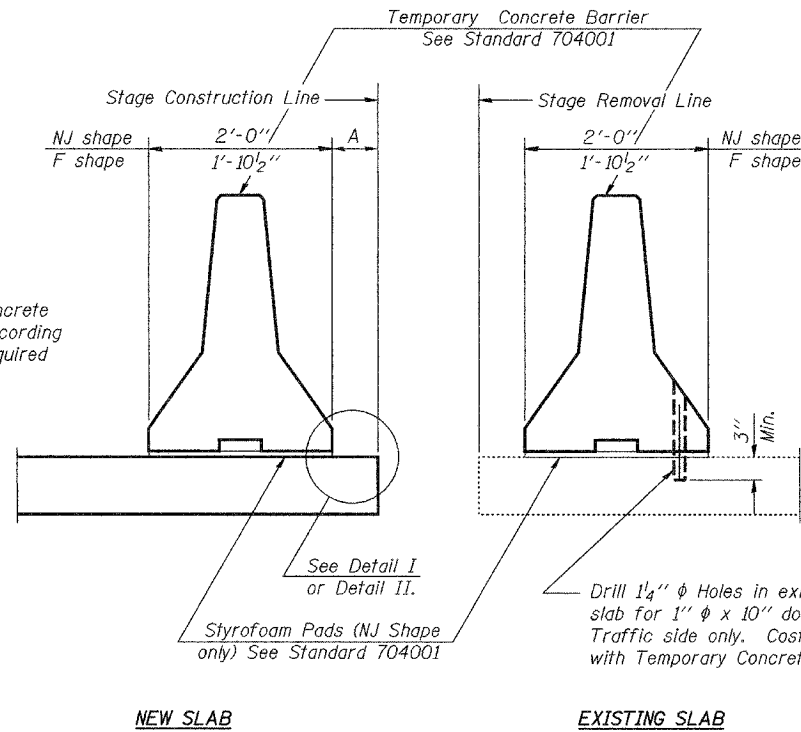
BSD-1 9-01-03

BAR SPLICERS
F.A.I. RT. 74
CHAMPAIGN COUNTY
SN 010-0021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		Champaign	81	10
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

Contract No. 70141

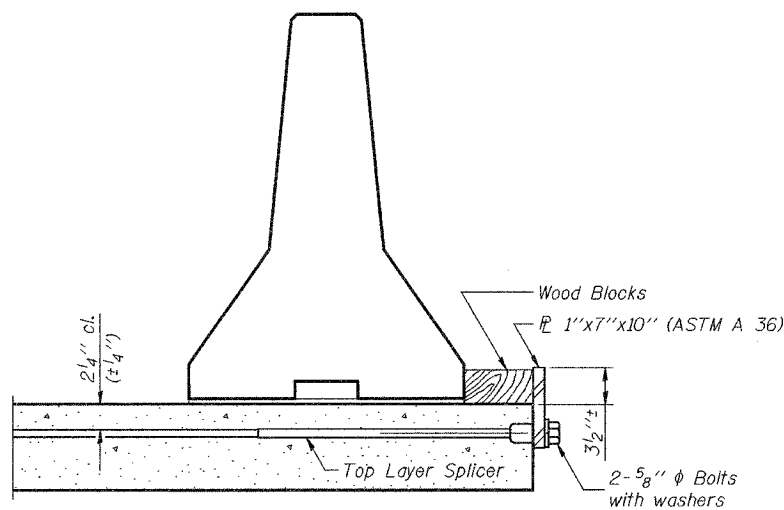


When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".

NOTES

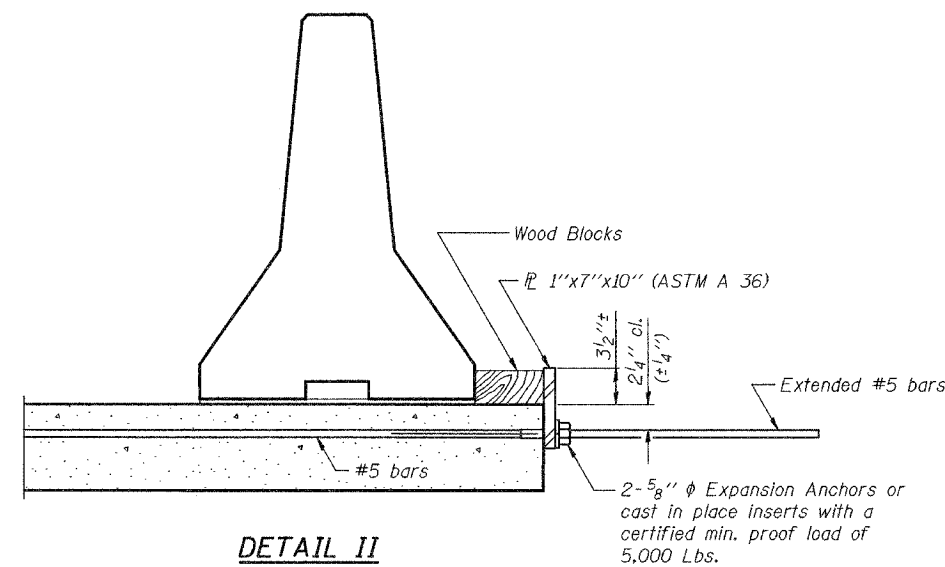
- Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel PL to the top layer of couplers with 2-5/8" φ bolts screwed to coupler at approximate C of each barrier panel.
- Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x10" steel PL to the concrete slab with 2-5/8" φ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate C of each barrier panel.
- Cost of anchorage is included with Temporary Concrete Barrier.

SECTIONS THRU SLAB



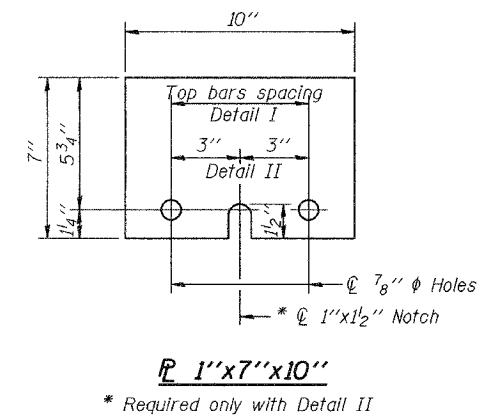
DETAIL I

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and reinforcement bars are in place.



DETAIL II

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and all reinforcement bars are in place and the concrete is ready to be placed.



DESIGNED	M.J.T.
CHECKED	D.A.B.
DRAWN	Drew Christopher
CHECKED	M.J.T. D.A.B.

December 7, 2005
EXAMINED John A. Morris
ENGINEER OF STRUCTURAL SERVICES
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

R-27 9-01-03

TEMPORARY CONCRETE BARRIER
F.A.I. RT. 74
CHAMPAIGN COUNTY
SN 010-0021

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	82
STA. 1185+00		TO STA. 1196+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 10(5-1-RS-1,14-1(R)RS & 6RS-3)				



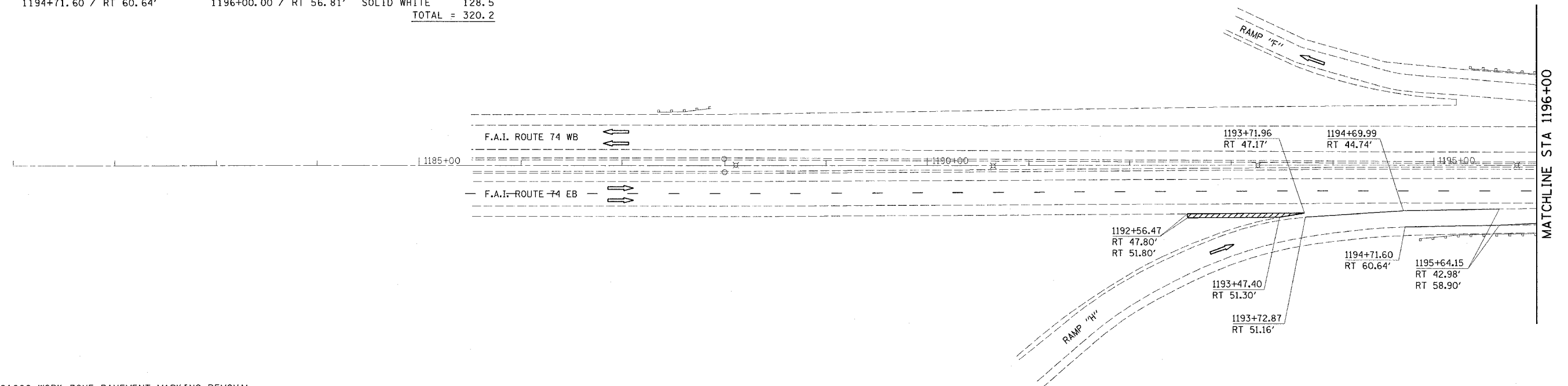
TRAFFIC CONTROL STAGE I

STRUCTURE NUMBER 010-0021

20200100 EARTH EXCAVATION			TOTAL
STATION / OFFSET	TO	STATION / OFFSET	CU YD
EB LANE			
1192+56.47 / RT 47.80'		1193+71.96 / RT 47.17'	15.3
1192+56.47 / RT 51.80'		1193+47.40 / RT 51.30'	

35600530 BITUMINOUS CONCRETE BASE COURSE WIDENING 13 INCHES			TOTAL
STATION / OFFSET	TO	STATION / OFFSET	SQ YD
EB LANE			
1192+56.47 / RT 47.80'		1193+71.96 / RT 47.17'	45.9
1192+56.47 / RT 51.80'		1193+47.40 / RT 51.30'	

70300625 TEMPORARY PAINT PAVEMENT MARKING LINE 4"			
STATION / OFFSET	TO	STATION / OFFSET	FEET
EB LANE			
1193+72.87 / RT 51.16'		1195+64.15 / RT 42.98'	SOLID YELLOW 191.7
1194+71.60 / RT 60.64'		1196+00.00 / RT 56.81'	SOLID WHITE 128.5
			TOTAL = 320.2



70301000 WORK ZONE PAVEMENT MARKING REMOVAL				
STATION / OFFSET	TO	STATION / OFFSET	STRIPE	FEET
EB LANE				
1193+72.87 / RT 51.16'		1195+64.15 / RT 42.98'	SOLID YELLOW	191.7
1194+71.60 / RT 60.64'		1196+00.00 / RT 56.81'	SOLID WHITE	128.5
				TOTAL = 106.7

78300100 PAVEMENT MARKING REMOVAL				
STATION / OFFSET	TO	STATION / OFFSET	TYPE STRIPE	FEET
EB LANE				
1193+72.87 / RT 51.16'		1196+00.00 / RT 42.24'	6" SOLID	227.4
1195+64.15 / RT 36.90'		1196+00.00 / RT 36.95'	6" SOLID	35.8
1194+71.60 / RT 60.64'		1195+64.15 / RT 58.90'	4" SOLID	92.6
				TOTAL = 162.5

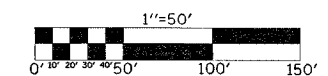
NOTES:

TRAFFIC DETAILS NOT SHOWN ARE TO CONFORM WITH STANDARD 701400, 701402, 701406 AND 701411.

MESSAGE BOARD MAY BE ADJUSTED TO MEET FIELD CONDITIONS.

RESIDENT ENGINEER AND TRAFFIC CONTROL SUPERVISOR WILL PROVIDE APPROPRIATE MESSAGE FOR THE CHANGEABLE MESSAGE SIGN.

RAISED REFLECTIVE PAVEMENT MARKERS AFFECTED BY THE PROPOSED TRAFFIC CONTROL PLAN WILL BE COVERED IN A SUITABLE MANNER AND APPROVED BY THE RESIDENT ENGINEER. THIS COST WILL BE INCIDENTAL TO THE APPROPRIATE TRAFFIC CONTROL PAY ITEM.



ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL - STAGE I

F.A.I. ROUTE 74
SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
CHAMPAIGN COUNTY

SCALE: 1" = 50' DRAWN BY: KB/JP
DATE: 01/26/05 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	83
STA. 1196+00		TO STA. 1121+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 10(5-1-RS-1,14-1(R)RS & 6RS-3)				

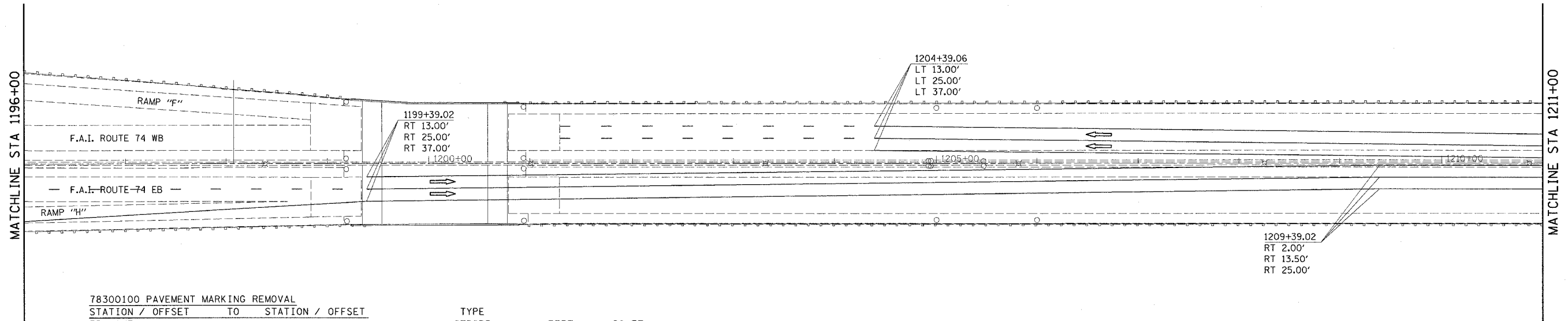


TRAFFIC CONTROL STAGE I

STRUCTURE NUMBER 010-0021

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

STATION / OFFSET	TO	STATION / OFFSET	STRIPE	FEET	SQ FT
EB LANE					
1196+00.00 / RT 56.81'		1199+39.02 / RT 37.00'	SOLID WHITE	339.6	113.2
1199+39.02 / RT 13.00'		1211+00.00 / RT 2.00'	SOLID YELLOW	1161.0	387.0
1199+39.02 / RT 25.00'		1211+00.00 / RT 13.50'	SOLID WHITE	1161.0	387.0
1199+39.02 / RT 37.00'		1211+00.00 / RT 25.00'	SOLID WHITE	1161.0	387.0
WB LANE					
1204+39.06 LT 13.00'		1211+00.00 / LT 5.69'	SOLID YELLOW	661.0	220.3
1204+39.06 LT 25.00'		1211+00.00 / LT 17.36'	SOLID WHITE	661.0	220.3
1204+39.06 LT 37.00'		1211+00.00 / LT 29.03'	SOLID WHITE	661.0	220.3
				TOTAL =	1935.1



78300100 PAVEMENT MARKING REMOVAL

STATION / OFFSET	TO	STATION / OFFSET	TYPE STRIPE	FEET	SQ FT
EB LANE					
1196+00.00 / RT 42.24'		1198+60.45 / RT 37.25'	6" SOLID	259.5	129.8
1196+00.00 / RT 36.95'		1198+60.45 / RT 37.25'	6" SOLID	260.4	130.2
1198+60.45 / RT 37.25'		1199+39.02 / RT 37.00'	4" SKIP DASH	20.0	6.7
1199+39.02 / RT 13.00'		1211+00.00 / RT 13.00'	4" SOLID	1161.0	387.0
1199+39.02 / RT 25.00'		1211+00.00 / RT 25.00'	4" SKIP DASH	300.0	100.0
1199+39.02 / RT 37.00'		1211+00.00 / RT 37.00'	4" SKIP DASH	300.0	100.0
WB LANE					
1204+39.06 / LT 13.00'		1211+00.00 / LT 13.00'	4" SOLID	661.0	220.3
1204+39.06 / LT 25.00'		1211+00.00 / LT 25.00'	4" SKIP DASH	170.0	56.7
1204+39.06 / LT 37.00'		1211+00.00 / LT 37.00'	4" SKIP DASH	170.0	56.7
				TOTAL =	1187.4

70300625 TEMPORARY PAINT PAVEMENT MARKING LINE 4"

STATION / OFFSET	TO	STATION / OFFSET	STRIPE	FEET	
EB LANE					
1196+00.00 / RT 56.81'		1199+39.02 / RT 37.00'	SOLID WHITE	339.6	
1199+39.02 / RT 13.00'		1211+00.00 / RT 2.00'	SOLID YELLOW	1161.0	
1199+39.02 / RT 25.00'		1211+00.00 / RT 13.50'	SOLID WHITE	1161.0	
1199+39.02 / RT 37.00'		1211+00.00 / RT 25.00'	SOLID WHITE	1161.0	
WB LANE					
1204+39.06 LT 13.00'		1211+00.00 / LT 5.69'	SOLID YELLOW	661.0	
1204+39.06 LT 25.00'		1211+00.00 / LT 17.36'	SOLID WHITE	661.0	
1204+39.06 LT 37.00'		1211+00.00 / LT 29.03'	SOLID WHITE	661.0	
				TOTAL =	5805.6

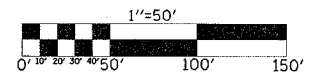
NOTES:

TRAFFIC DETAILS NOT SHOWN ARE TO CONFORM WITH STANDARD 701400, 701402, 701406 AND 701411.

MESSAGE BOARD MAY BE ADJUSTED TO MEET FIELD CONDITIONS.

RESIDENT ENGINEER AND TRAFFIC CONTROL SUPERVISOR WILL PROVIDE APPROPRIATE MESSAGE FOR THE CHANGEABLE MESSAGE SIGN.

RAISED REFLECTIVE PAVEMENT MARKERS AFFECTED BY THE PROPOSED TRAFFIC CONTROL PLAN WILL BE COVERED IN A SUITABLE MANNER AND APPROVED BY THE RESIDENT ENGINEER. THIS COST WILL BE INCIDENTAL TO THE APPROPRIATE TRAFFIC CONTROL PAY ITEM.



ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL - STAGE I
F.A.I. ROUTE 74
SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
CHAMPAIGN COUNTY

SCALE: 1" = 50'
DATE: 01/26/05

DRAWN BY: KB/JP
CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	84
STA. 1121+00		TO STA. 1226+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 10(5-1-RS-1,14-1(R)RS & 6RS-3)				



TRAFFIC CONTROL STAGE I

STRUCTURE NUMBER 010-0021

60260100 INLETS TO BE ADJUSTED

STATION / OFFSET	EACH
1214+90.93 / RT 56.15'	1.0
1215+29.99 / LT 56.25'	1.0
TOTAL = 2.0	

63300205 REMOVAL AND REINSTALLATION OF EXISTING STEEL PLATE BEAM GUARD RAIL, TYPE A

STATION / OFFSET	TO	STATION / OFFSET	FOOT
WB LANE			
1214+94.09 LT 60.10'		1215+34.74 LT 60.12'	40.7
EB LANE			
1214+68.32 RT 59.39'		1215+10.82 / RT 59.62'	42.5
TOTAL = 83.2			

70030250 IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

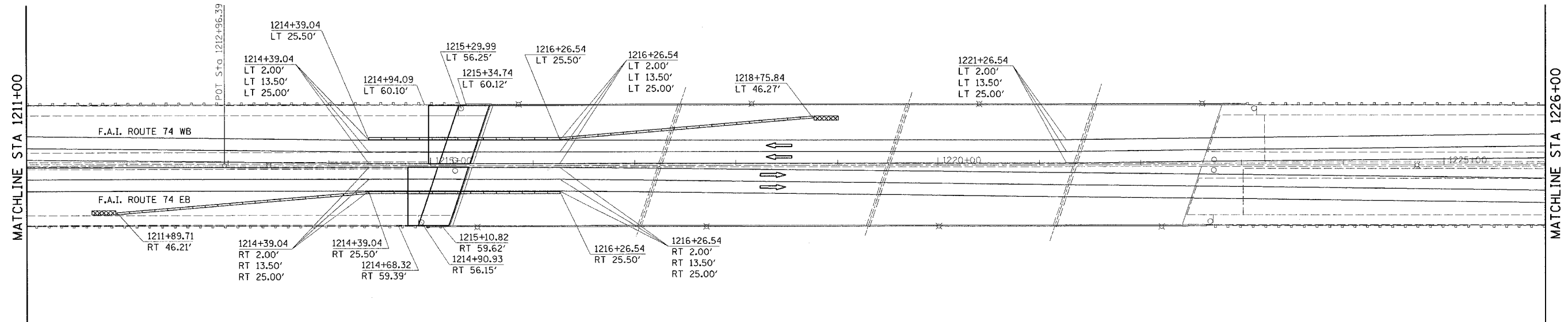
STATION / OFFSET	EACH
1211+89.71 / RT 46.21'	1.0
1218+75.84 / LT 46.27'	1.0
TOTAL = 2.0	

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

STATION / OFFSET	TO	STATION / OFFSET	STRIPE	FEET	SQ FT
EB LANE					
1211+00.00 / RT 2.00'		1226+00.00 / RT 12.78'	SOLID YELLOW	1500.0	500.0
1211+00.00 / RT 13.50'		1226+00.00 / RT 24.69'	SOLID WHITE	1500.0	500.0
1211+00.00 / RT 25.00'		1226+00.00 / RT 36.68'	SOLID WHITE	1500.0	500.0
WB LANE					
1211+00.00 / LT 5.69'		1226+00.00 / LT 7.14'	SOLID YELLOW	1500.0	500.0
1211+00.00 / LT 17.36'		1226+00.00 / LT 18.94'	SOLID WHITE	1500.0	500.0
1211+00.00 / LT 29.03'		1226+00.00 / LT 30.68'	SOLID WHITE	1500.0	500.0
TOTAL = 3000.0					

70400100 TEMPORARY CONCRETE BARRIER

STATION / OFFSET	TO	STATION / OFFSET	FOOT
WB LANE			
1214+39.04 / LT 25.50'		1218+75.84 LT 46.27'	437.5
EB LANE			
1211+89.71 / RT 46.21'		1216+26.54 / RT 25.50'	437.5
TOTAL = 875.0			



70300625 TEMPORARY PAINT PAVEMENT MARKING LINE 4"

STATION / OFFSET	TO	STATION / OFFSET	STRIPE	FEET
EB LANE				
1211+00.00 / RT 2.00'		1226+00.00 / RT 12.78'	SOLID YELLOW	1500.0
1211+00.00 / RT 13.50'		1226+00.00 / RT 24.69'	SOLID WHITE	1500.0
1211+00.00 / RT 25.00'		1226+00.00 / RT 36.68'	SOLID WHITE	1500.0
WB LANE				
1211+00.00 / LT 5.69'		1226+00.00 / LT 7.14'	SOLID YELLOW	1500.0
1211+00.00 / LT 17.36'		1226+00.00 / LT 18.94'	SOLID WHITE	1500.0
1211+00.00 / LT 29.03'		1226+00.00 / LT 30.68'	SOLID WHITE	1500.0
TOTAL = 9000.0				

78300100 PAVEMENT MARKING REMOVAL

STATION / OFFSET	TO	STATION / OFFSET	TYPE	FEET	SQ FT
EB LANE					
1211+00.00 / RT 13.00'		1226+00.00 / RT 13.00'	4" SOLID	1500.0	500.0
1211+00.00 / RT 25.00'		1226+00.00 / RT 25.00'	4" SKIP DASH	380.0	126.7
1211+00.00 / RT 37.00'		1226+00.00 / RT 37.00'	4" SKIP DASH	380.0	126.7
WB LANE					
1211+00.00 / LT 13.00'		1226+00.00 / LT 13.00'	4" SOLID	1500.0	500.0
1211+00.00 / LT 25.00'		1226+00.00 / LT 25.00'	4" SKIP DASH	380.0	126.7
1211+00.00 / LT 37.00'		1226+00.00 / LT 37.00'	4" SKIP DASH	380.0	126.7
TOTAL = 1506.8					

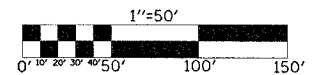
NOTES:

TRAFFIC DETAILS NOT SHOWN ARE TO CONFORM WITH STANDARD 701400, 701402, 701406 AND 701411.

MESSAGE BOARD MAY BE ADJUSTED TO MEET FIELD CONDITIONS.

RESIDENT ENGINEER AND TRAFFIC CONTROL SUPERVISOR WILL PROVIDE APPROPRIATE MESSAGE FOR THE CHANGEABLE MESSAGE SIGN.

RAISED REFLECTIVE PAVEMENT MARKERS AFFECTED BY THE PROPOSED TRAFFIC CONTROL PLAN WILL BE COVERED IN A SUITABLE MANNER AND APPROVED BY THE RESIDENT ENGINEER. THIS COST WILL BE INCIDENTAL TO THE APPROPRIATE TRAFFIC CONTROL PAY ITEM.



ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL - STAGE I

F.A.I. ROUTE 74
SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
CHAMPAIGN COUNTY

SCALE: 1" = 50' DRAWN BY: KB/JP
DATE: 01/26/05 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	85
STA. 1226+00 TO STA. 1241+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* 1015-1-RS-1,14-1(R)RS & 6RS-3)				



TRAFFIC CONTROL STAGE I

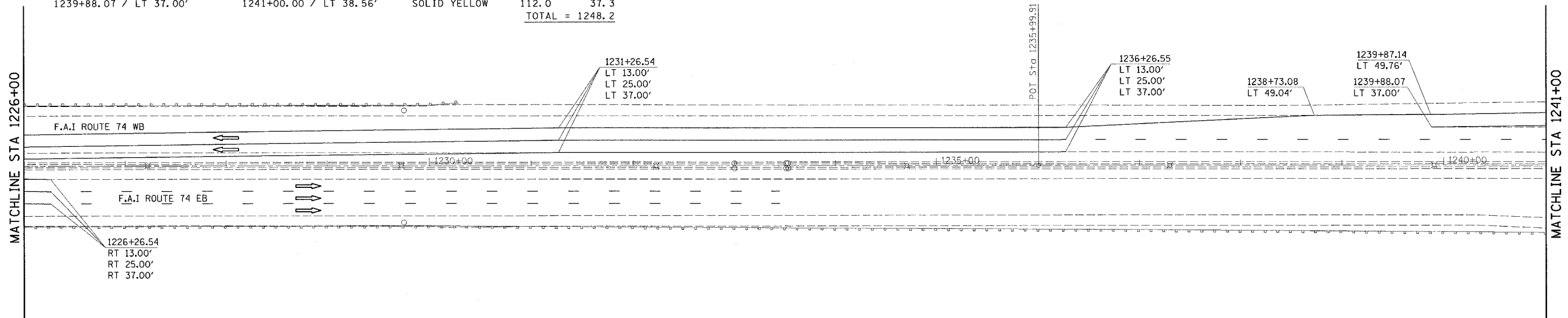
STRUCTURE NUMBER 010-0021

70300625 TEMPORARY PAINT PAVEMENT MARKING LINE 4"

STATION / OFFSET	TO	STATION / OFFSET	STRIPE	FEET
EB LANE				
1226+00.00 / RT 12.78'		1226+26.54 / RT 13.00'	SOLID YELLOW	26.5
1226+00.00 / RT 24.69'		1226+26.54 / RT 25.00'	SOLID WHITE	26.5
1226+00.00 / RT 36.68'		1226+26.54 / RT 37.00'	SOLID WHITE	26.5
WB LANE				
1226+00.00 / LT 7.14'		1236+26.55 / LT 13.00'	SOLID YELLOW	1026.6
1226+00.00 / LT 18.94'		1236+26.55 / LT 25.00'	SOLID WHITE	1026.6
1226+00.00 / LT 30.68'		1236+26.55 / LT 37.00'	SOLID WHITE	1026.6
1236+26.55 / RT 37.00'		1241+00.00 / LT 51.56'	SOLID WHITE	473.8
1239+88.07 / LT 37.00'		1241+00.00 / LT 38.56'	SOLID YELLOW	112.0
				TOTAL = 3745.1

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

STATION / OFFSET	TO	STATION / OFFSET	STRIPE	FEET	SQ FT
EB LANE					
1226+00.00 / RT 12.78'		1226+26.54 / RT 13.00'	SOLID YELLOW	26.5	8.8
1226+00.00 / RT 24.69'		1226+26.54 / RT 25.00'	SOLID WHITE	26.5	8.8
1226+00.00 / RT 36.68'		1226+26.54 / RT 37.00'	SOLID WHITE	26.5	8.8
WB LANE					
1226+00.00 / LT 7.14'		1236+26.55 / LT 13.00'	SOLID YELLOW	1026.6	342.2
1226+00.00 / LT 18.94'		1236+26.55 / LT 25.00'	SOLID WHITE	1026.6	342.2
1226+00.00 / LT 30.68'		1236+26.55 / LT 37.00'	SOLID WHITE	1026.6	342.2
1236+26.55 / RT 37.00'		1241+00.00 / LT 51.56'	SOLID WHITE	473.8	157.9
1239+88.07 / LT 37.00'		1241+00.00 / LT 38.56'	SOLID YELLOW	112.0	37.3
				TOTAL = 1248.2	



78300100 PAVEMENT MARKING REMOVAL

STATION / OFFSET	TO	STATION / OFFSET	TYPE STRIPE	FEET	SQ FT
EB LANE					
1226+00.00 / RT 13.00'		1226+26.54 / RT 13.00'	4" SOLID	26.5	8.8
1226+00.00 / RT 25.00'		1226+26.54 / RT 25.00'	4" SKIP DASH	10.0	3.3
1226+00.00 / RT 37.00'		1226+26.54 / RT 37.00'	4" SKIP DASH	10.0	3.3
WB LANE					
1226+00.00 / LT 13.00'		1236+26.55 / LT 13.00'	4" SOLID	1026.5	342.2
1226+00.00 / LT 25.00'		1236+26.55 / LT 25.00'	4" SKIP DASH	260.0	86.7
1226+00.00 / LT 37.00'		1236+26.55 / LT 37.00'	4" SKIP DASH	260.0	86.7
1238+73.08 / LT 49.04'		1241+00.00 / LT 51.56'	4" SOLID	226.9	75.6
1239+88.07 / LT 37.00'		1241+00.00 / LT 38.56'	6" SOLID	111.9	56.0
				TOTAL = 662.6	

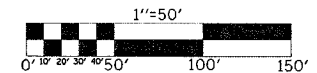
NOTES:

TRAFFIC DETAILS NOT SHOWN ARE TO CONFORM WITH STANDARD 701400, 701402, 701406 AND 701411.

MESSAGE BOARD MAY BE ADJUSTED TO MEET FIELD CONDITIONS.

RESIDENT ENGINEER AND TRAFFIC CONTROL SUPERVISOR WILL PROVIDE APPROPRIATE MESSAGE FOR THE CHANGEABLE MESSAGE SIGN.

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ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL - STAGE I
F.A.I. ROUTE 74
SECTION 1015-1-RS-1,14-1(R)RS & 6RS-3)
CHAMPAIGN COUNTY

SCALE: 1" = 50' DRAWN BY: KB/JP
DATE: 01/26/05 CHECKED BY:

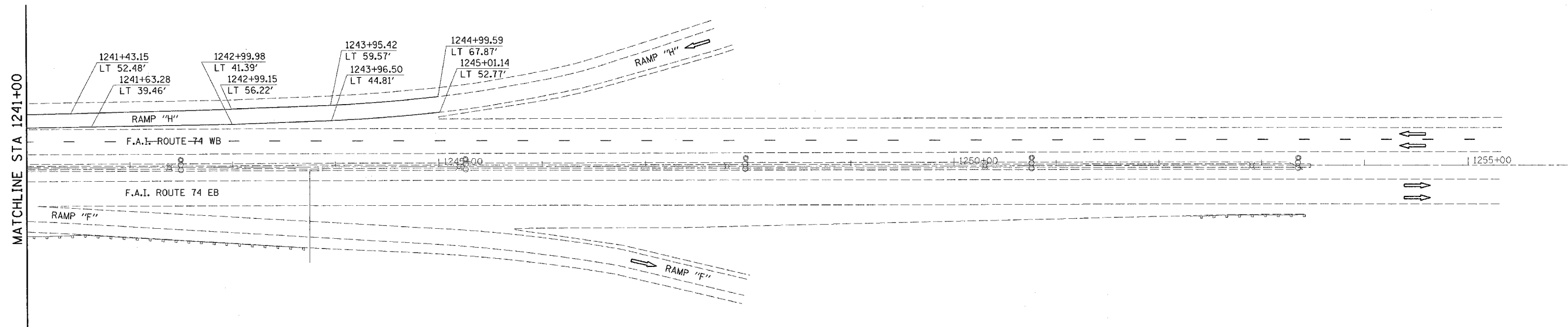
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	86
STA. 1241+00		TO STA. 1255+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

* 10(5-1-RS-1,14-1(R)RS & 6RS-3)



TRAFFIC CONTROL STAGE I

STRUCTURE NUMBER 010-0021



70300625 TEMPORARY PAINT PAVEMENT MARKING LINE 4"

STATION / OFFSET	TO	STATION / OFFSET
WB LANE		
1241+00.00 / LT 51.56'		1244+99.59 / LT 67.87'
1241+00.00 / LT 38.56'		1245+01.14 / LT 52.77'

STRIPE	FEET
SOLID WHITE	400.0
SOLID YELLOW	401.4
TOTAL	= 801.4

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

STATION / OFFSET	TO	STATION / OFFSET
EB LANE		
1241+00.00 / LT 51.56'		1244+99.59 / LT 67.87'
1241+00.00 / LT 38.56'		1245+01.14 / LT 52.77'

STRIPE	FEET	SQ FT
SOLID WHITE	400.0	133.3
SOLID YELLOW	401.4	133.8
TOTAL	= 267.1	

78300100 PAVEMENT MARKING REMOVAL

STATION / OFFSET	TO	STATION / OFFSET
WB LANE		
1241+00.00 / LT 51.56'		1244+99.59 / LT 67.87'
1241+00.00 / LT 38.56'		1245+01.14 / LT 52.77'

TYPE	FEET	SQ FT
4" SOLID	400.0	133.3
6" SOLID	401.6	200.8
TOTAL	= 334.1	

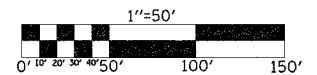
NOTES:

TRAFFIC DETAILS NOT SHOWN ARE TO CONFORM WITH STANDARD 701400, 701402, 701406 AND 701411.

MESSAGE BOARD MAY BE ADJUSTED TO MEET FIELD CONDITIONS.

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ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL - STAGE I
F.A.I. ROUTE 74
SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
CHAMPAIGN COUNTY

SCALE: 1" = 50'
DATE: 01/26/05

DRAWN BY: KB/JP
CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	87
STA. 1185+00		TO STA. 1196+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

* 10(5-1-RS-1,14-1(R)RS & 6RS-3)



TRAFFIC CONTROL STAGE II

STRUCTURE NUMBER 010-0021

70300625 TEMPORARY PAVEMENT MARKING LINE 4"

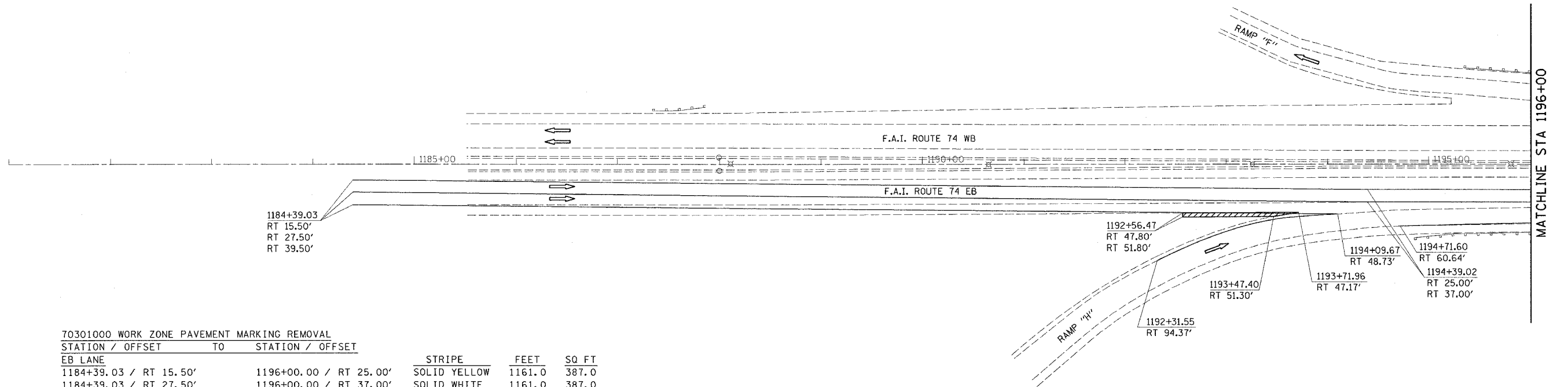
STATION / OFFSET	TO	STATION / OFFSET	STRIPE	FEET
EB LANE				
1184+39.03 / RT 15.50'		1196+00.00 / RT 25.00'	SOLID YELLOW	1161.0
1184+39.03 / RT 27.50'		1196+00.00 / RT 37.00'	SOLID WHITE	1161.0
1184+39.03 / RT 39.50'		1194+09.67 / RT 48.73'	SOLID WHITE	970.7
1194+71.60 / RT 60.64'		1196+00.00 / RT 57.44'	SOLID WHITE	128.4
1192+31.55 / RT 94.37'		1194+09.67 / RT 48.73'	SOLID YELLOW	185.6
				TOTAL = 3606.7

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

STATION / OFFSET	TO	STATION / OFFSET	STRIPE	FEET	SQ FT
EB LANE					
1184+39.03 / RT 15.50'		1196+00.00 / RT 25.00'	SOLID YELLOW	1161.0	387.0
1184+39.03 / RT 27.50'		1196+00.00 / RT 37.00'	SOLID WHITE	1161.0	387.0
1184+39.03 / RT 39.50'		1194+09.67 / RT 48.73'	SOLID WHITE	970.7	323.6
1194+71.60 / RT 60.64'		1196+00.00 / RT 57.44'	SOLID WHITE	128.4	42.8
1192+31.55 / RT 94.37'		1194+09.67 / RT 48.73'	SOLID YELLOW	185.6	61.9
				TOTAL = 1202.3	

78300100 PAVEMENT MARKING REMOVAL

STATION / OFFSET	TO	STATION / OFFSET	TYPE STRIPE	FEET	SQ FT
EB LANE					
1184+39.03 / RT 15.50'		1196+00.00 / RT 13.00'	4" SOLID	1161.0	387.0
1184+39.03 / RT 27.50'		1196+00.00 / RT 25.00'	4" SKIP DASH	300.0	100.0
1184+39.03 / RT 39.50'		1193+72.87 / RT 37.61'	4" SOLID	933.9	311.3
1193+72.87 / RT 37.61'		1195+64.16 / RT 36.90'	6" SOLID	191.3	95.7
1192+31.55 / RT 94.37'		1193+72.87 / RT 51.16'	4" SOLID	148.7	49.6
1195+64.15 / RT 58.90'		1196+00.00 / RT 58.23'	4" SOLID	35.9	12.0
				TOTAL = 955.6	



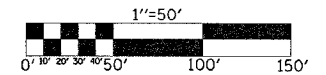
NOTES:

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ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL - STAGE II

F.A.I. ROUTE 74
SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
CHAMPAIGN COUNTY

SCALE: 1" = 50' DRAWN BY: KB/JP
DATE: 01/26/05 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	88
STA. 1196+00		TO STA. 1121+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 1015-1-RS-1,14-1(R)RS & 6RS-3)				

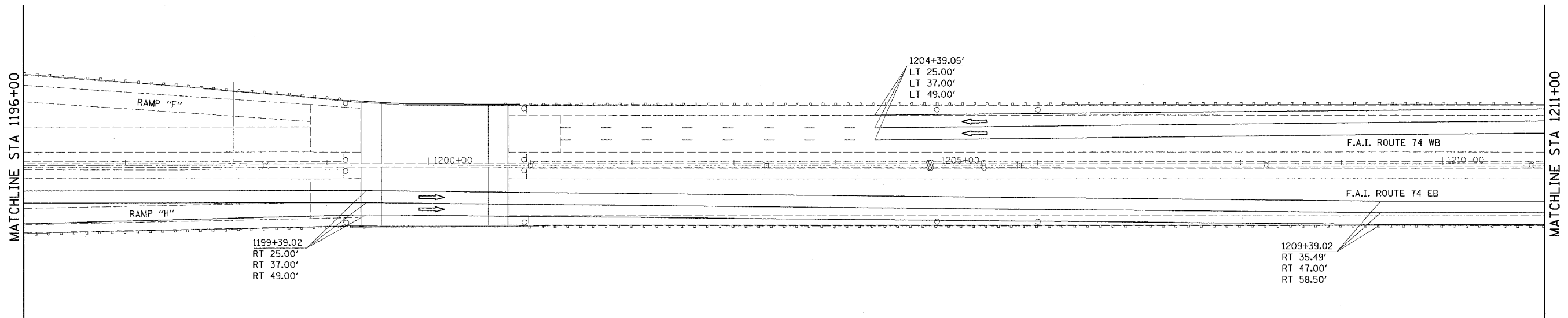


TRAFFIC CONTROL STAGE II

STRUCTURE NUMBER 010-0021

70300625 TEMPORARY PAINT PAVEMENT MARKING LINE 4"

STATION / OFFSET	TO	STATION / OFFSET	STRIPE	FEET
EB LANE				
1196+00.00 / RT 25.00'		1211+00.00 / RT 35.50'	SOLID YELLOW	1500.0
1196+00.00 / RT 37.00'		1211+00.00 / RT 47.00'	SOLID WHITE	1500.0
1196+00.00 / RT 57.44'		1211+00.00 / RT 58.50'	SOLID WHITE	1500.1
WB LANE				
1204+39.06 LT 25.00'		1211+00.00 / LT 31.89'	SOLID YELLOW	661.0
1204+39.06 LT 37.00'		1211+00.00 / LT 43.56'	SOLID WHITE	661.0
1204+39.06 LT 49.00'		1211+00.00 / LT 55.34'	SOLID WHITE	661.0
				TOTAL = 6483.1



70301000 WORK ZONE PAVEMENT MARKING REMOVAL

STATION / OFFSET	TO	STATION / OFFSET	STRIPE	FEET	SQ FT
EB LANE					
1196+00.00 / RT 25.00'		1211+00.00 / RT 35.50'	SOLID YELLOW	1500.0	500.0
1196+00.00 / RT 37.00'		1211+00.00 / RT 47.00'	SOLID WHITE	1500.0	500.0
1196+00.00 / RT 57.44'		1211+00.00 / RT 58.50'	SOLID WHITE	1500.1	500.0
WB LANE					
1204+39.06 LT 25.00'		1211+00.00 / LT 31.89'	SOLID YELLOW	661.0	220.3
1204+39.06 LT 37.00'		1211+00.00 / LT 43.56'	SOLID WHITE	661.0	220.3
1204+39.06 LT 49.00'		1211+00.00 / LT 55.34'	SOLID WHITE	661.0	220.3
					TOTAL = 2160.9

78300100 PAVEMENT MARKING REMOVAL

STATION / OFFSET	TO	STATION / OFFSET	TYPE STRIPE	FEET	SQ FT
1196+00.00 / RT 13.00'		1199+39.02 / RT 13.00'	4" SOLID	339.0	113.0
1196+00.00 / RT 25.00'		1199+39.02 / RT 25.00'	4" SKIP DASH	90.0	30.0
1196+00.00 / RT 58.23'		1211+00.00 / RT 49.00'	4" SOLID	1500.0	500.0
WB LANE					
1204+39.06 / LT 49.00'		1211+00.00 / LT 49.00'	4" SOLID	661.0	220.3
					TOTAL = 863.3

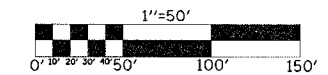
NOTES:

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ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL - STAGE II

F.A.I. ROUTE 74
SECTION 1015-1-RS-1,14-1(R)RS & 6RS-3)
CHAMPAIGN COUNTY

SCALE: 1" = 50' DRAWN BY: KB/JP
DATE: 01/26/05 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	89
STA. 1121+00		TO STA. 1226+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

* 10(5-1-RS-1,14-1(RRS & 6RS-3)



TRAFFIC CONTROL STAGE II

STRUCTURE NUMBER 010-0021

60260100 INLETS TO BE ADJUSTED

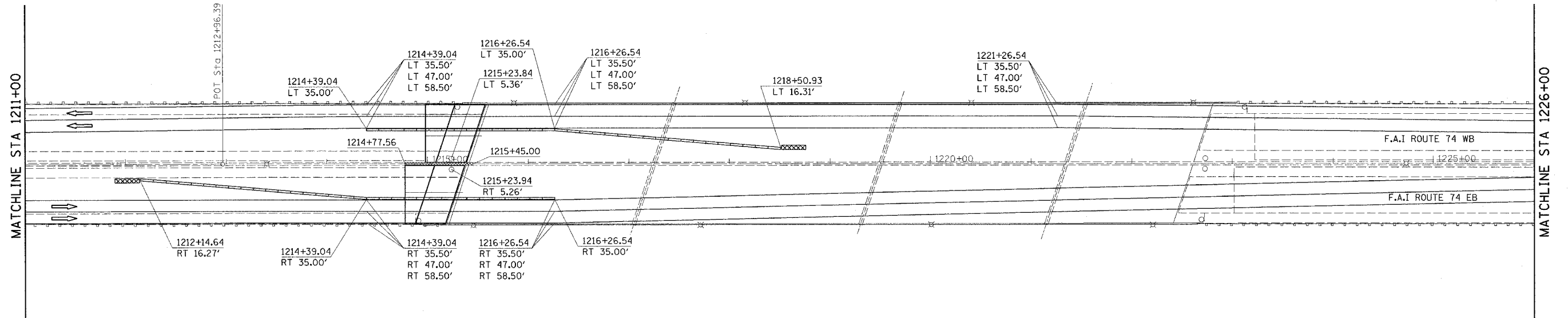
STATION / OFFSET	EACH
1215+23.94 / RT 5.26'	1.0
1215+23.84 / LT 5.36'	1.0
TOTAL = 2.0	

70300625 TEMPORARY PAINT PAVEMENT MARKING LINE 4"

STATION / OFFSET	TO	STATION / OFFSET	STRIPE	FEET
EB LANE				
1211+00.00 / RT 35.50'	1226+00.00 / RT 13.67'		SOLID YELLOW	1500.2
1211+00.00 / RT 47.00'	1226+00.00 / RT 25.58'		SOLID WHITE	1500.2
1211+00.00 / RT 58.50'	1226+00.00 / RT 37.57'		SOLID WHITE	1500.2
WB LANE				
1211+00.00 / LT 31.89'	1226+00.00 / LT 30.53'		SOLID YELLOW	1500.1
1211+00.00 / LT 43.56'	1226+00.00 / LT 42.27'		SOLID WHITE	1500.1
1211+00.00 / LT 55.34'	1226+00.00 / LT 54.05'		SOLID WHITE	1500.1
TOTAL = 9000.9				

78300100 PAVEMENT MARKING REMOVAL

STATION / OFFSET	TO	STATION / OFFSET	TYPE	FEET	SQ FT
EB LANE					
1211+00.00 / RT 49.00'	1226+00.00 / RT 49.00'		4" SOLID	1500.0	500.0
WB LANE					
1211+00.00 / LT 49.00'	1226+00.00 / LT 49.00'		4" SOLID	1500.0	500.0
TOTAL = 1000.0					



70301000 WORK ZONE PAVEMENT MARKING REMOVAL

STATION / OFFSET	TO	STATION / OFFSET	STRIPE	FEET	SQ FT
EB LANE					
1211+00.00 / RT 35.50'	1226+00.00 / RT 13.67'		SOLID YELLOW	1500.2	500.1
1211+00.00 / RT 47.00'	1226+00.00 / RT 25.58'		SOLID WHITE	1500.2	500.1
1211+00.00 / RT 58.50'	1226+00.00 / RT 37.57'		SOLID WHITE	1500.2	500.1
WB LANE					
1211+00.00 / LT 31.89'	1226+00.00 / LT 30.53'		SOLID YELLOW	1500.1	500.0
1211+00.00 / LT 43.56'	1226+00.00 / LT 42.27'		SOLID WHITE	1500.1	500.0
1211+00.00 / LT 55.34'	1226+00.00 / LT 54.05'		SOLID WHITE	1500.1	500.0
TOTAL = 3000.3					

X0323357 CONCRETE BARRIER REMOVAL AND REPLACEMENT

STATION	TO	STATION	FOOT
1214+77.56	1215+45.00		67.4

Z0030350 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3

STATION / OFFSET	EACH
1212+14.64 / RT 16.27'	1.0
1218+50.93 / LT 16.31'	1.0
TOTAL = 2.0	

70400200 RELOCATE TEMPORARY CONCRETE BARRIER

STATION / OFFSET	TO	STATION / OFFSET	FOOT
1214+39.04 / LT 35.00'	1218+50.93 / LT 16.31'		412.5
1212+14.64 / RT 16.27'	1216+26.54 / RT 35.00'		412.5
TOTAL = 825.0			

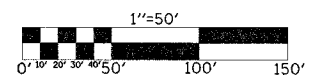
NOTES:

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ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL - STAGE II

F.A.I. ROUTE 74
SECTION 10(5-1-RS-1,14-1(RRS & 6RS-3)
CHAMPAIGN COUNTY

SCALE: 1" = 50' DRAWN BY: KB/JP
DATE: 01/26/05 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	90
STA. 1226+00		TO STA. 1241+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 10(5-1-RS-1,14-1(R)RS & 6RS-3)				

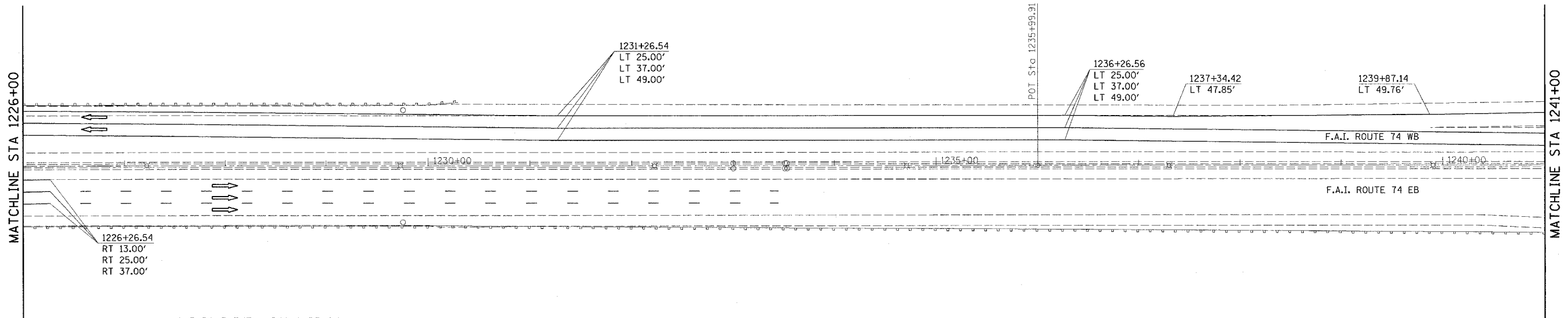


TRAFFIC CONTROL STAGE II

STRUCTURE NUMBER 010-0021

70300625 TEMPORARY PAINT PAVEMENT MARKING LINE 4"

STATION / OFFSET	TO	STATION / OFFSET	STRIPE	FEET
EB LANE				
1226+00.00 / RT 13.67'		1226+26.54 / RT 13.00'	SOLID YELLOW	26.5
1226+00.00 / RT 25.58'		1226+26.54 / RT 25.00'	SOLID WHITE	26.5
1226+00.00 / RT 37.57'		1226+26.54 / RT 37.00'	SOLID WHITE	26.5
WB LANE				
1226+00.00 / LT 30.53'		1241+00.00 / LT 19.29'	SOLID YELLOW	1500.1
1226+00.00 / LT 42.27'		1241+00.00 / LT 31.32'	SOLID WHITE	1500.1
1226+00.00 / LT 54.05'		1241+00.00 / LT 51.56'	SOLID WHITE	1500.1
				TOTAL = 4579.8



70301000 WORK ZONE PAVEMENT MARKING REMOVAL

STATION / OFFSET	TO	STATION / OFFSET	STRIPE	FEET	SQ FT
EB LANE					
1226+00.00 / RT 13.67'		1226+26.54 / RT 13.00'	SOLID YELLOW	26.5	8.8
1226+00.00 / RT 25.58'		1226+26.54 / RT 25.00'	SOLID WHITE	26.5	8.8
1226+00.00 / RT 37.57'		1226+26.54 / RT 37.00'	SOLID WHITE	26.5	8.8
WB LANE					
1226+00.00 / LT 30.53'		1241+00.00 / LT 19.29'	SOLID YELLOW	1500.1	500.0
1226+00.00 / LT 42.27'		1241+00.00 / LT 31.32'	SOLID WHITE	1500.1	500.0
1226+00.00 / LT 54.05'		1241+00.00 / LT 51.56'	SOLID WHITE	1500.1	500.0
				TOTAL = 1526.4	

78300100 PAVEMENT MARKING REMOVAL

STATION / OFFSET	TO	STATION / OFFSET	TYPE STRIPE	FEET	SQ FT
EB LANE					
1226+00.00 / RT 49.00'		1226+26.54 / RT 49.00'	4" SOLID	26.5	8.8
WB LANE					
1226+00.00 / LT 49.00'		1238+73.08 / LT 49.00'	4" SOLID	1273.0	424.3
1236+26.55 / LT 13.00'		1241+00.00 / LT 13.00'	4" SOLID	473.5	157.8
1236+26.55 / LT 25.00'		1241+00.00 / LT 25.00'	4" SKIP DASH	120.0	40.0
1236+26.55 / LT 37.00'		1239+88.07 / LT 37.00'	4" SKIP DASH	120.0	40.0
1239+88.07 / LT 37.00'		1241+00.00 / LT 37.00'	6" SOLID	112.0	56.0
				TOTAL = 726.9	

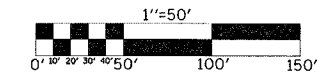
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ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL - STAGE II

F.A.I. ROUTE 74
SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
CHAMPAIGN COUNTY

SCALE: 1" = 50'
DATE: 01/26/05

DRAWN BY: KB/JP
CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	91
STA. 1241+00		TO STA. 1255+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 10(5-1-RS-1,14-1(R)RS & 6RS-3)				

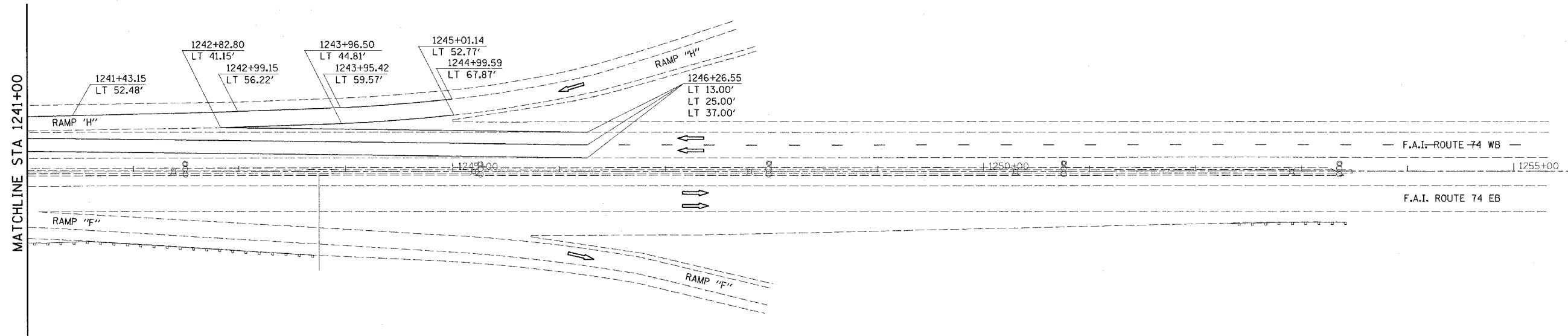


TRAFFIC CONTROL STAGE II

STRUCTURE NUMBER 010-0021

70300625 TEMPORARY PAINT PAVEMENT MARKING LINE 4"

STATION / OFFSET	TO	STATION / OFFSET	STRIPE	FEET
WB LANE				
1241+00.00 / LT 19.29'	1246+26.55 / LT 13.00'		SOLID YELLOW	526.6
1241+00.00 / LT 31.32'	1246+26.55 / LT 25.00'		SOLID WHITE	526.6
1241+00.00 / LT 51.56'	1244+99.59 / LT 67.87'		SOLID WHITE	399.9
1242+82.80 / LT 41.15'	1245+01.14 / LT 52.77'		SOLID YELLOW	218.7
1242+82.80 / LT 41.15'	1246+26.55 / LT 37.00'		SOLID WHITE	343.8
				TOTAL = 2015.6



70301000 WORK ZONE PAVEMENT MARKING REMOVAL

STATION / OFFSET	TO	STATION / OFFSET	STRIPE	FEET	SQ FT
WB LANE					
1241+00.00 / LT 19.29'	1246+26.55 / LT 13.00'		SOLID YELLOW	526.6	175.5
1241+00.00 / LT 31.32'	1246+26.55 / LT 25.00'		SOLID WHITE	526.6	175.5
1241+00.00 / LT 51.56'	1244+99.59 / LT 67.87'		SOLID WHITE	399.9	133.3
1242+82.80 / LT 41.15'	1245+01.14 / LT 52.77'		SOLID YELLOW	218.7	72.9
1242+82.80 / LT 41.15'	1246+26.55 / LT 37.00'		SOLID WHITE	343.8	114.6
				TOTAL = 671.8	

78300100 PAVEMENT MARKING REMOVAL

STATION / OFFSET	TO	STATION / OFFSET	TYPE	FEET	SQ FT
WB LANE					
1241+00.00 / LT 13.00'	1246+26.55 / LT 13.00'		4" SOLID	526.6	175.5
1241+00.00 / LT 25.00'	1246+26.55 / LT 25.00'		4" SKIP DASH	140.0	46.7
1241+00.00 / LT 37.00'	1245+00.82 / LT 37.00'		6" SOLID	400.8	200.4
1245+00.82 / LT 37.00'	1246+26.55 / LT 37.00'		4" SOLID	125.8	41.9
				TOTAL = 464.5	

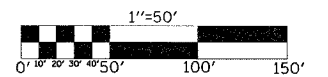
NOTES:

TRAFFIC DETAILS NOT SHOWN ARE TO CONFORM WITH STANDARD 701400, 701402, 701406 AND 701411.

MESSAGE BOARD MAY BE ADJUSTED TO MEET FIELD CONDITIONS.

RESIDENT ENGINEER AND TRAFFIC CONTROL SUPERVISOR WILL PROVIDE APPROPRIATE MESSAGE FOR THE CHANGEABLE MESSAGE SIGN.

RAISED REFLECTIVE PAVEMENT MARKERS AFFECTED BY THE PROPOSED TRAFFIC CONTROL PLAN WILL BE COVERED IN A SUITABLE MANNER AND APPROVED BY THE RESIDENT ENGINEER. THIS COST WILL BE INCIDENTAL TO THE APPROPRIATE TRAFFIC CONTROL PAY ITEM.



ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL - STAGE II

F.A.I. ROUTE 74
SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
CHAMPAIGN COUNTY

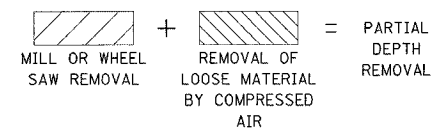
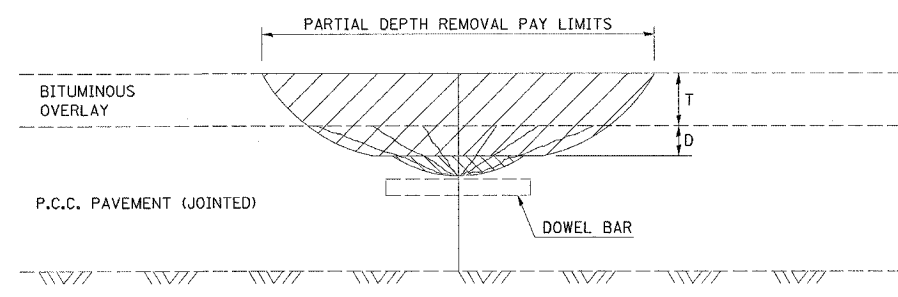
SCALE: 1" = 50'
DATE: 01/26/05

DRAWN BY: KB/JP
CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	92

• 1015-1-RS-1,14-1(R)RS & 6RS-3)

PAVEMENT PATCHING (PARTIAL DEPTH)
(PREVIOUSLY RESURFACED JOINTED P. C. C. PAVEMENT)



GENERAL NOTES

ALL VOLUME OF REMOVAL LIMITS TO BE REPLACED WITH BITUMINOUS MIXTURE FOR PATCHING.

T = THICKNESS OF BITUMINOUS OVERLAY(S). SEE TYPICAL CROSS SECTIONS.

D = DEPTH OF MACHINE REMOVAL INTO EXISTING P. C. C. PAVEMENT (3" (75 mm) ± OR TO SOUND CONCRETE).

JOINT LOCATION SHOWN - OTHER LOCATIONS SIMILAR.

	NAME	DATE	REVISIONS	
DESIGNED	D.L.P.	2/99	NAME	DATE
CHECKED	J.M.S.	2/99	D.L.P.	03/99
CADD NO.	C-5.01		K.A.G.	06/03

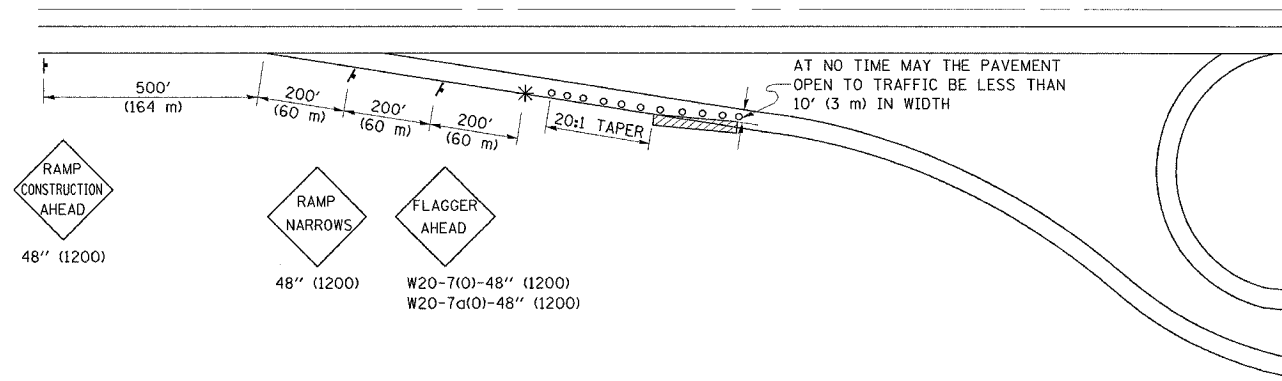
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	93

• 1015-1-RS-1,14-1(R)RS & GRS-3

SPECIAL DETAIL FOR RAMP WORK AREAS

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES



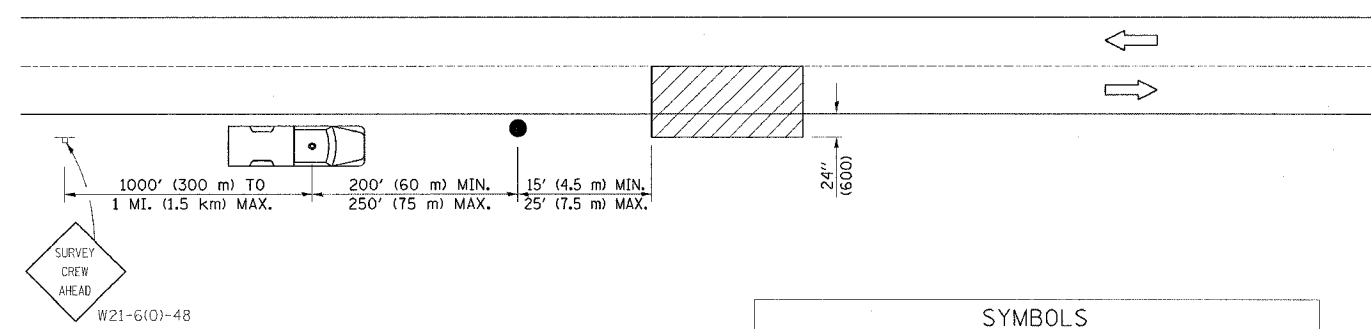
SYMBOLS

- TYPE I OR II BARRICADES OR DRUMS @ 50' (15 m) CTS.
- * FLAGGER PLACED AS DIRECTED BY THE ENGINEER
- † SIGN ON PORTABLE OR PERMANENT SUPPORT
- ▨ WORK AREA

GENERAL NOTES

1. CONSTRUCTION OPERATIONS SHALL BE CONFINED TO AN AREA NARROW ENOUGH THAT A MINIMUM OF 10' (3 m) OF PAVEMENT SHALL BE OPEN TO TRAFFIC AT ALL TIMES.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES DURING DAY OPERATIONS, AT 25' (7.5 m) SPACING.
3. FULL WIDTH PAVEMENT ON THE RAMPS SHALL BE OPEN TO TRAFFIC AT NIGHT.
4. WHEN NO WORK IS BEING PERFORMED, THE FLAGGER WILL NOT BE REQUIRED. IF THE FLAGGER IS NOT PRESENT, THE FLAGGER SIGNS SHALL BE REMOVED OR COVERED.
5. ALL SIGNS SHALL BE POST MOUNTED IF WORK IN THE AREA EXCEEDS FOUR DAYS OF DAYTIME OPERATIONS.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
7. ALL VEHICLES, EQUIPMENT, WORKERS (EXCEPT FLAGGER) AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE AUTHORIZED BY THE DISTRICT ENGINEER.

DETAIL FOR NIGHTTIME LIGHTING INSPECTION



SYMBOLS

- ▨ WORK AREA
- † SIGN ON PORTABLE OR PERMANENT SUPPORT
- TRUCK WITH FLASHING AMBER LIGHT AND DUAL EMERGENCY FLASHERS
- FLAGGER WITH TRAFFIC CONTROL SIGN

TYPICAL APPLICATIONS

UTILITY OPERATIONS

	NAME	DATE	REVISIONS	
			NAME	DATE
DESIGNED	CENTRAL	03/96		
CHECKED	D.L.P.	05/96	K.A.G.	08/03
CADD NO.	F-5.07			

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

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 USER NAME = philip.j.r

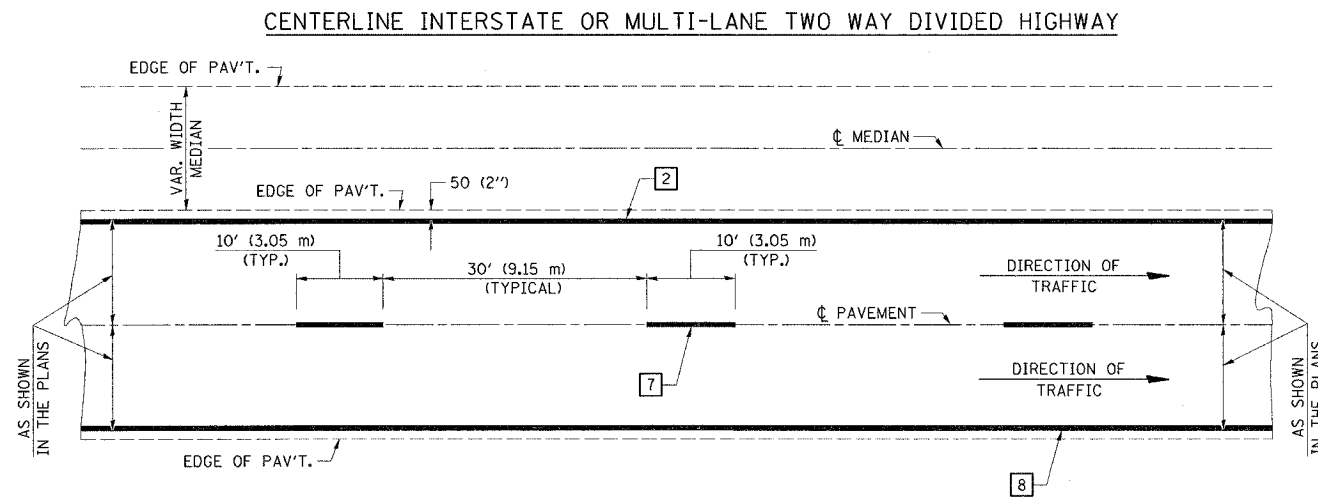
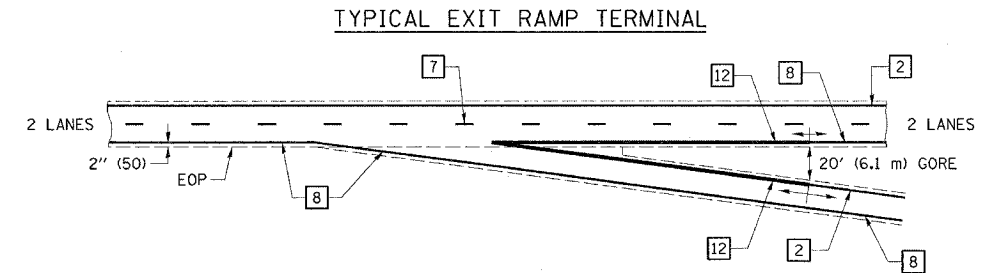
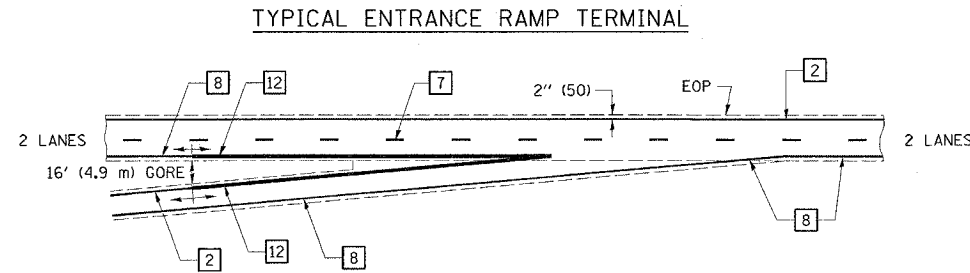
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			NAME	DATE
DESIGNED	D.L.P.	3-95		
CHECKED	D.L.P.			08/00
CADD NO.	F-5.01 K.A.G. 01/05			

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	94

• 1015-1-RS-1.14-1(R)RS & 6RS-3)

TYPICAL APPLICATION OF PAVEMENT MARKINGS FOR INTERSTATE AND MULTI-LANE DIVIDED HIGHWAYS



NOTE: PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

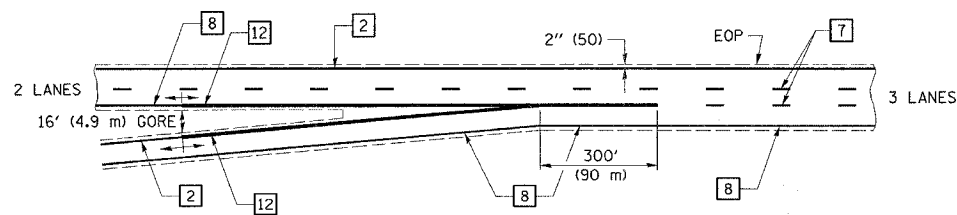
NOTE: SEE ARTICLES 780.04 & 781.03 FOR LOCATION OF STRIPES AND MARKERS RELATIVE TO EDGES OR JOINTS.

FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO STANDARD 781001.

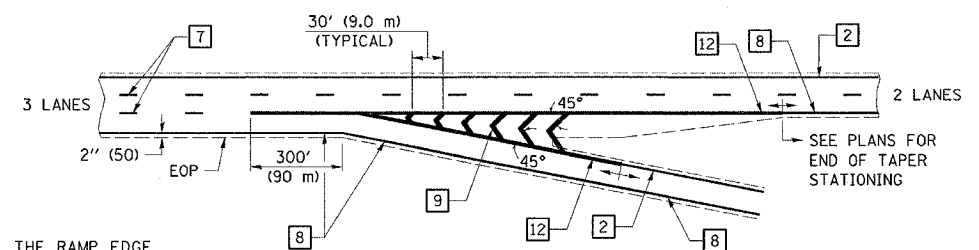
TYPICAL PAVEMENT MARKING LEGEND

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

ENTRANCE RAMP TERMINAL with EXCLUSIVE LANE



EXIT RAMP TERMINAL with EXCLUSIVE (auxiliary) LANE



WHEN RAMPS ARE SURFACED, THE RAMP EDGE LINES SHALL BE AS SHOWN IN THE PLANS.

PLOT DATE = 10/25/2005
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 USER NAME = philipr

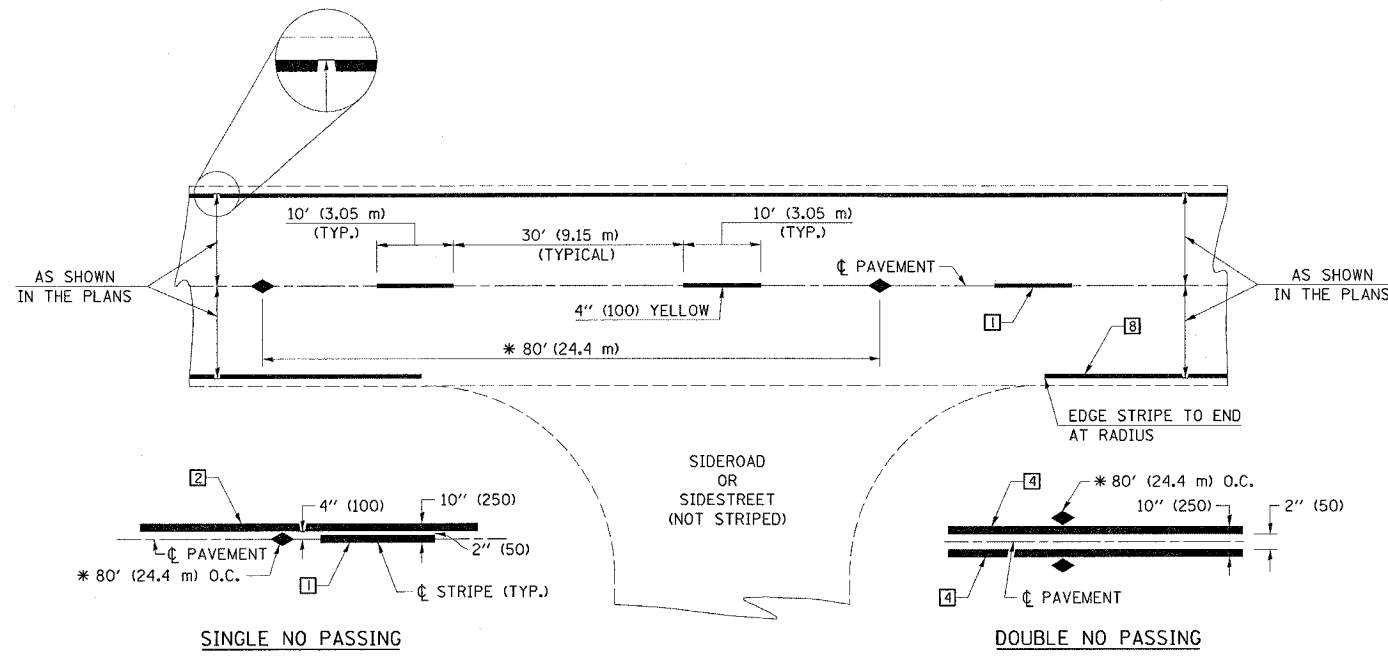
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DESIGNED	P.E.E.	03/89	NAME	DATE
CHECKED	C.T.D.	04/89	D.L.P.	08/97
CADD NO.	F-5.22		K.A.G.	08/04

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	95

* 1015-1-RS-1.14-1(R/S & 6RS-3)

TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



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

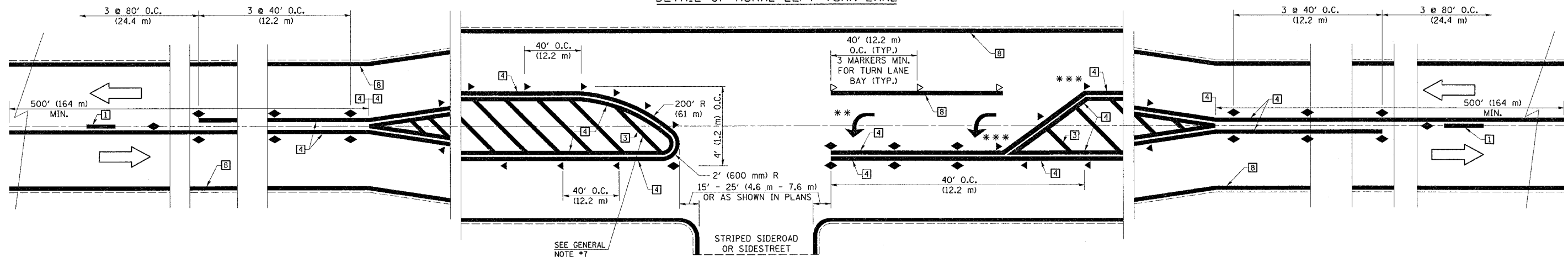
TYPICAL PAVEMENT MARKING LEGEND

- 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) CROSS WALK (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

DETAIL OF RURAL LEFT TURN LANE



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

SHEET 1 OF 3

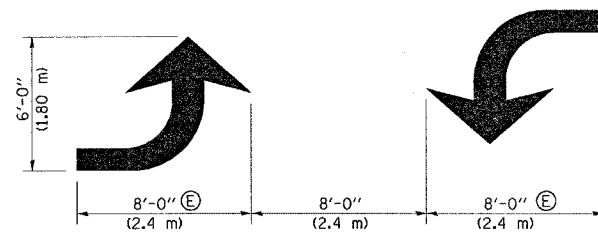
DESIGNED	NAME	DATE	REVISIONS	NAME	DATE
J.M.H.	J.M.H.	5/85			
FMS	FMS	6/85		GEOMETRICS/K.A.G.	07/02
CTO	CTO	6/85		K.A.G.	08/04

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

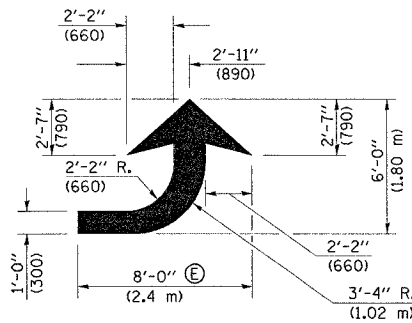
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	97

* 10(5-1-RS-1,14-1(RRS & 6RS-3)

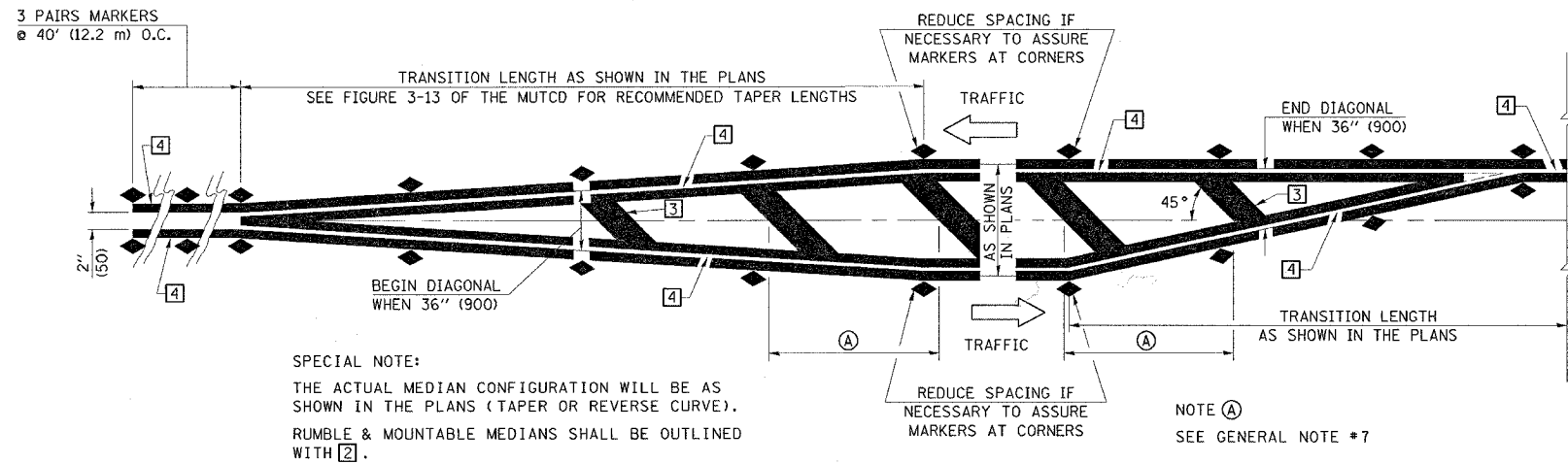
TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



TYPICAL DOUBLE TURN ARROWS (WHITE)



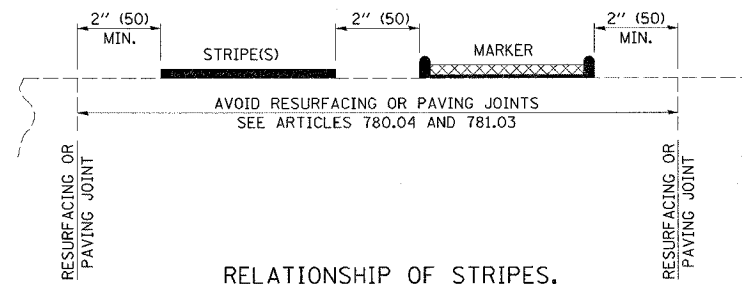
LEFT ARROW
REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)



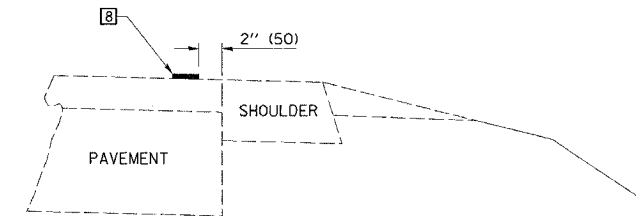
SPECIAL NOTE:
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

NOTE (A)
SEE GENERAL NOTE #7

TYPICAL MEDIAN TRANSITIONS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



RELATIONSHIP OF EDGE STRIPE TO SAFETY SHOULDER OR PAVED SURFACE

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

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SCALE: NONE
3. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
4. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
5. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
6. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
7. 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)

SHEET 3 OF 3

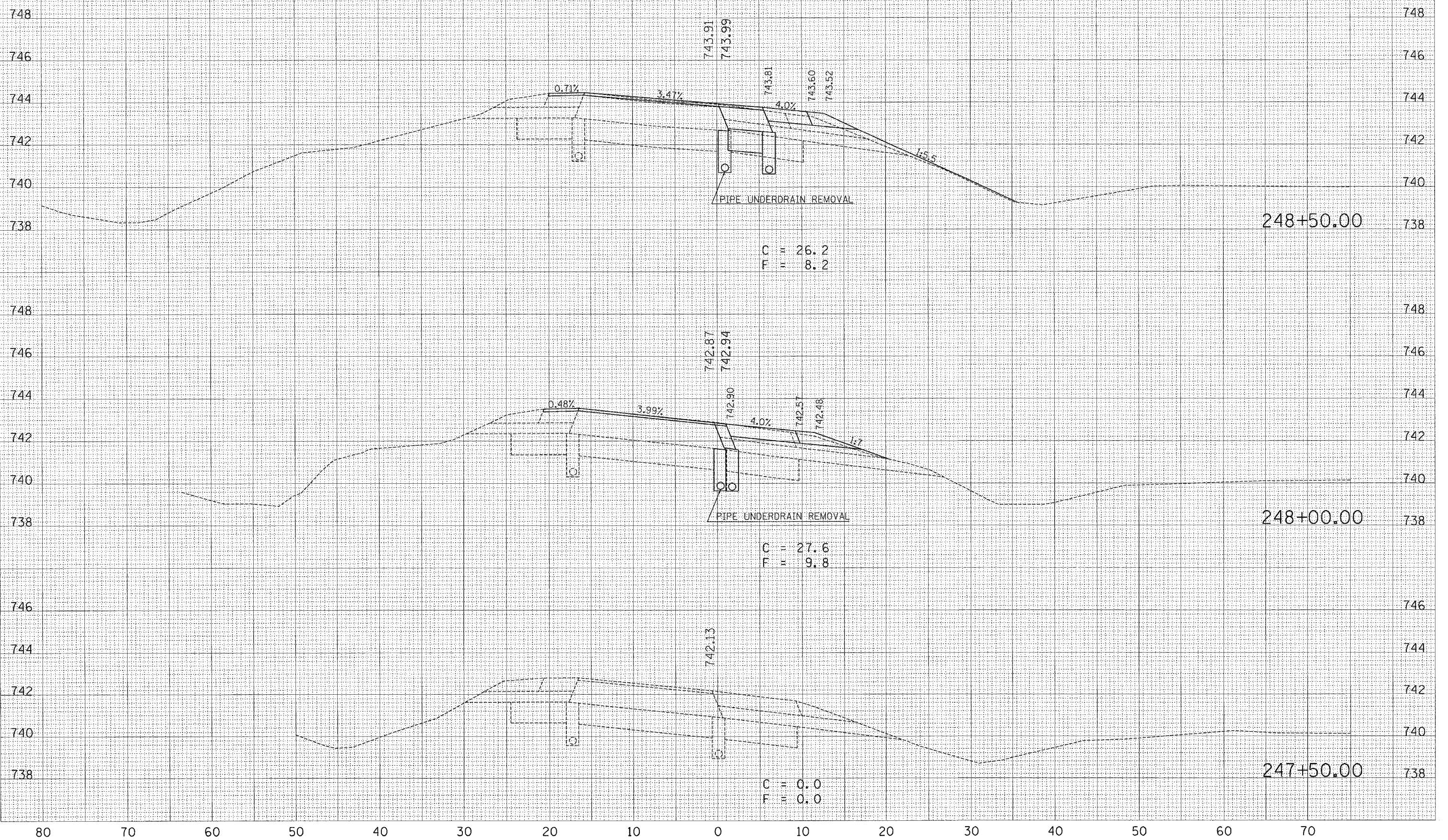
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J.M.H.	J.M.H.	5/85			
FMS	FMS	6/88			
CTD	CTD	6/85		GEOMETRICS/K.A.G.	07/02
F-5,25	F-5,25	6/88		K.A.G.	08/04

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

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	98
STA. 247+50.00		TO STA. 248+50.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*1015-1-RS-1.14-1(R)RS&GRS-3)				

LINCOLN AVE. EASTBOUND OFF-RAMP

RAMP "C"



DATE	
BY	
FINISHED SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	

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 USER NAME = phillipj

80

70

60

50

40

30

20

10

0

10

20

30

40

50

60

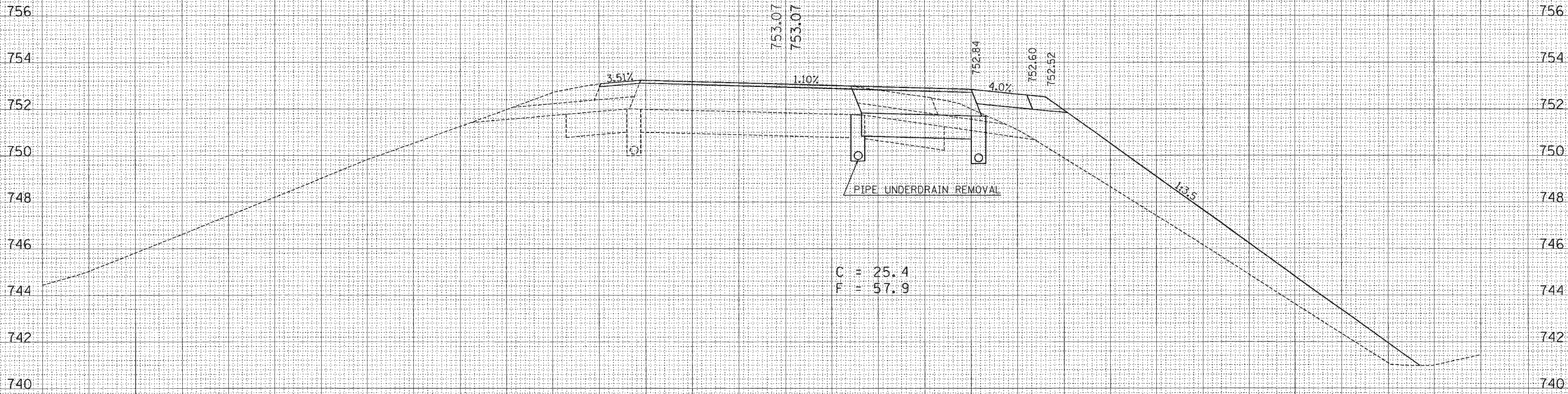
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CONTRACT NO. 70141

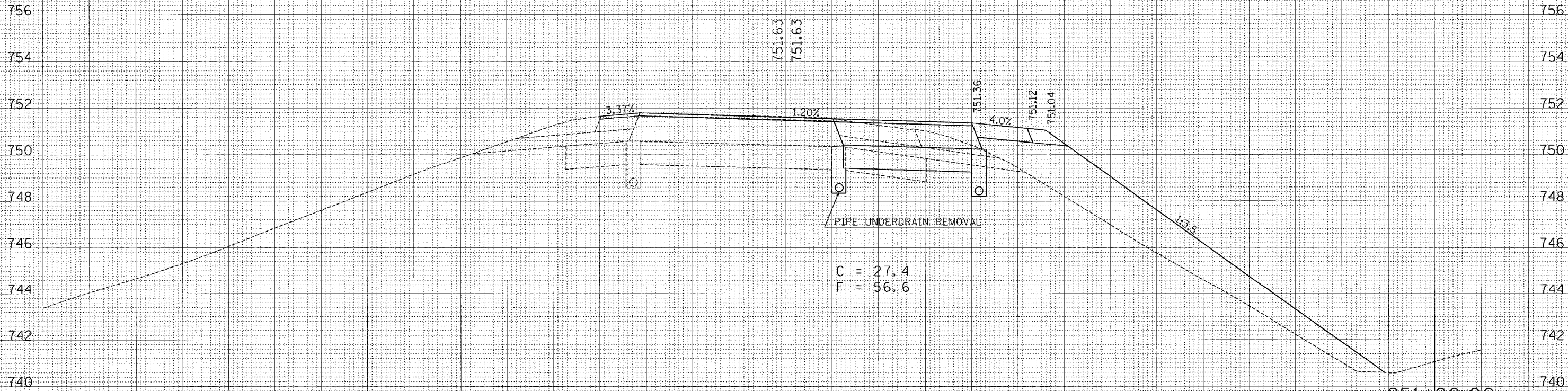
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
74	*	CHAMPAIGN	115 101
STA. 251+00.00		TO STA. 251+50.00	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	
*105-1-RS-1.14 (RRS&GRS-3)			

LINCOLN AVE. EASTBOUND OFF-RAMP

RAMP "C"



251+50.00



251+00.00

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
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70

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50

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20

10

0

10

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40

50

60

70

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

CONTRACT NO. 70141

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	102
STA. 252+00.00		TO STA. 252+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*1015-1-RS-1,14-1(RIRS&RS-3)				

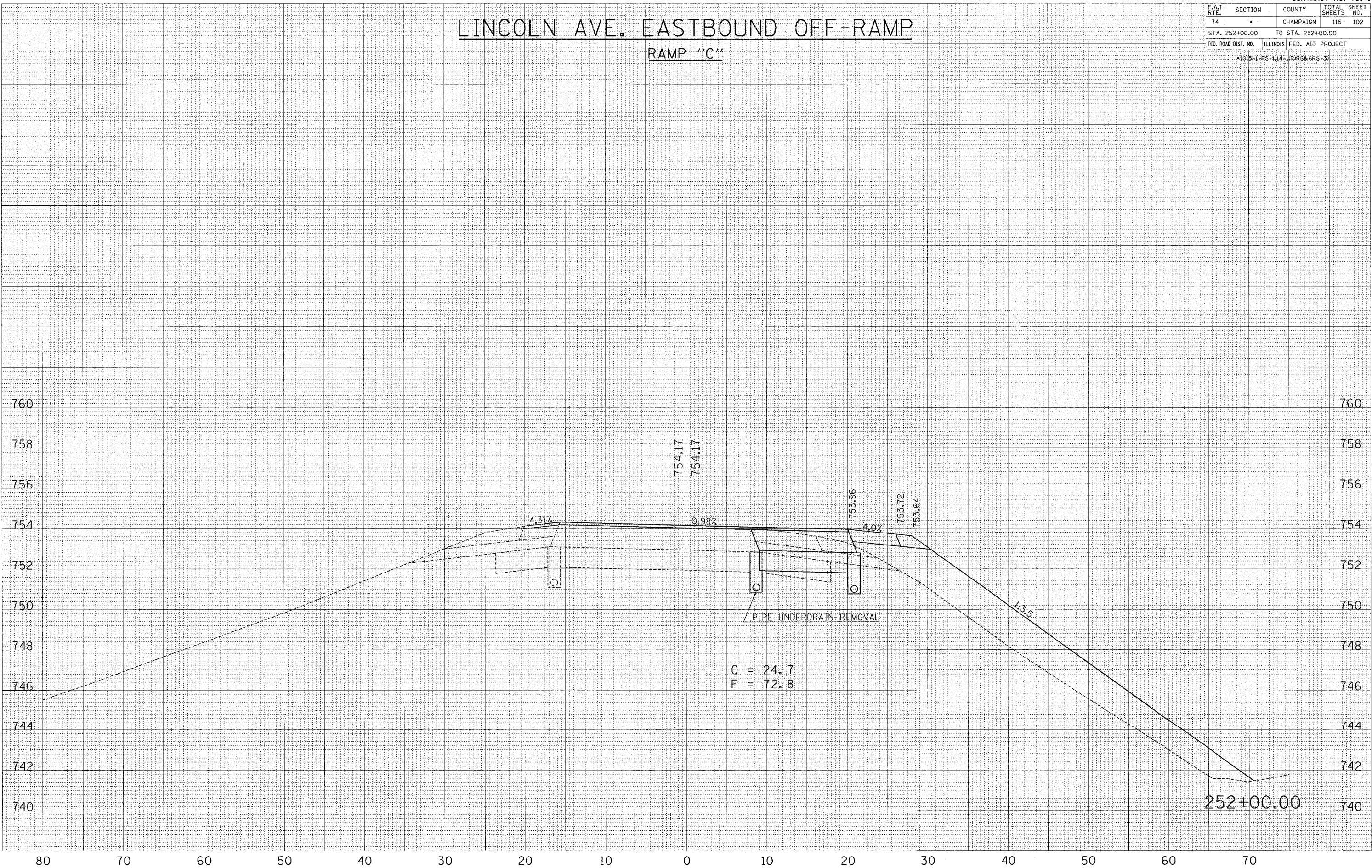
LINCOLN AVE. EASTBOUND OFF-RAMP

RAMP "C"

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SURVEYED	
PLOTTED	
NOTED	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTED	
AREAS CHECKED	

PLOT DATE = 10/24/2005
 PLOT SCALE = 5.0000 / IN.
 USER NAME = phillips, jr



252+00.00

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80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

CONTRACT NO. 70141

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	103
STA. 252+50.00		TO STA. 252+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*1015-1-RS-1,14-(RRS&GRS-3)				

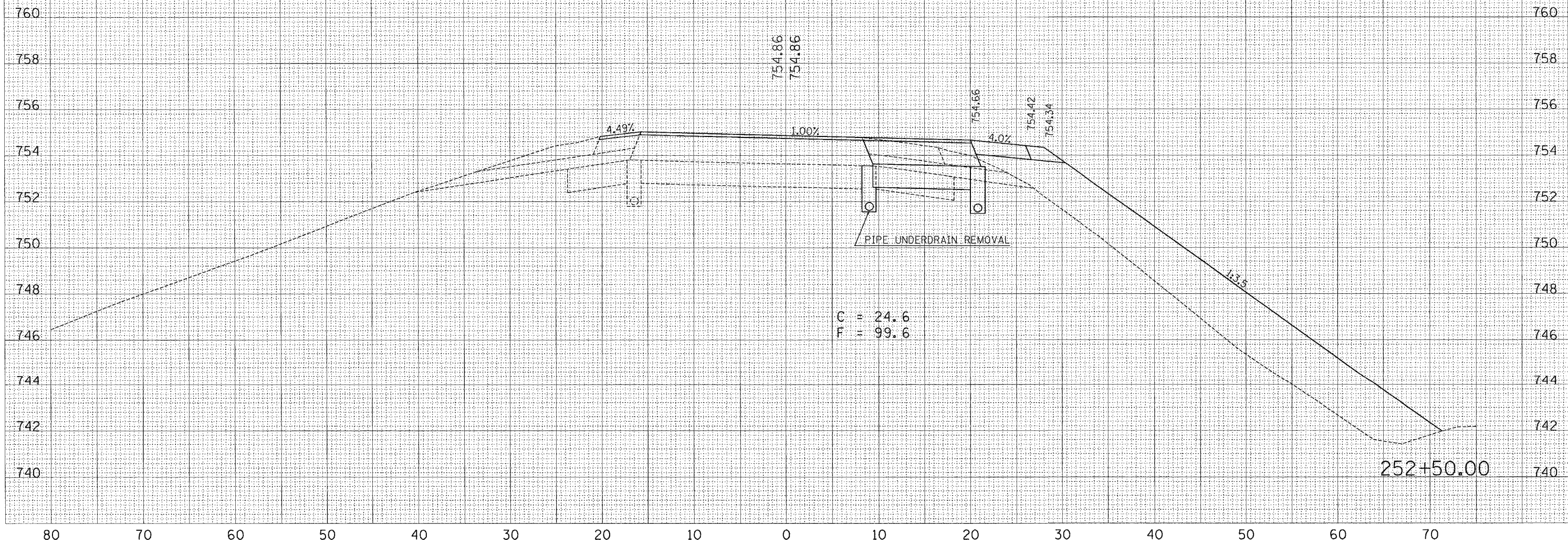
LINCOLN AVE. EASTBOUND OFF-RAMP

RAMP "C"

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CONTRACT NO. 70141

LINCOLN AVE. EASTBOUND OFF-RAMP

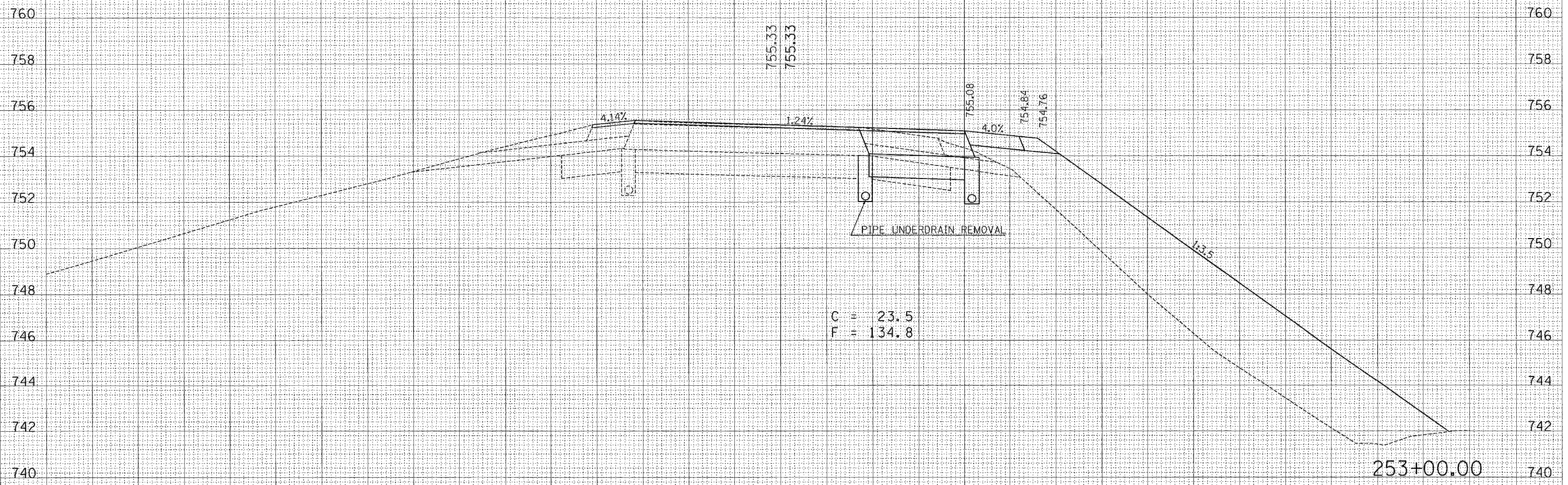
RAMP "C"

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	104
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FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*105-1-RS-1,14-(RRS&GRS-3)				

FINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
AREAS	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
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AREAS CHECKED	

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253+00.00

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

CONTRACT NO. 70141

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	105
STA. 253+50.00		TO STA. 254+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*105-1-RS-1,14-1(R)RS&GRS-3				

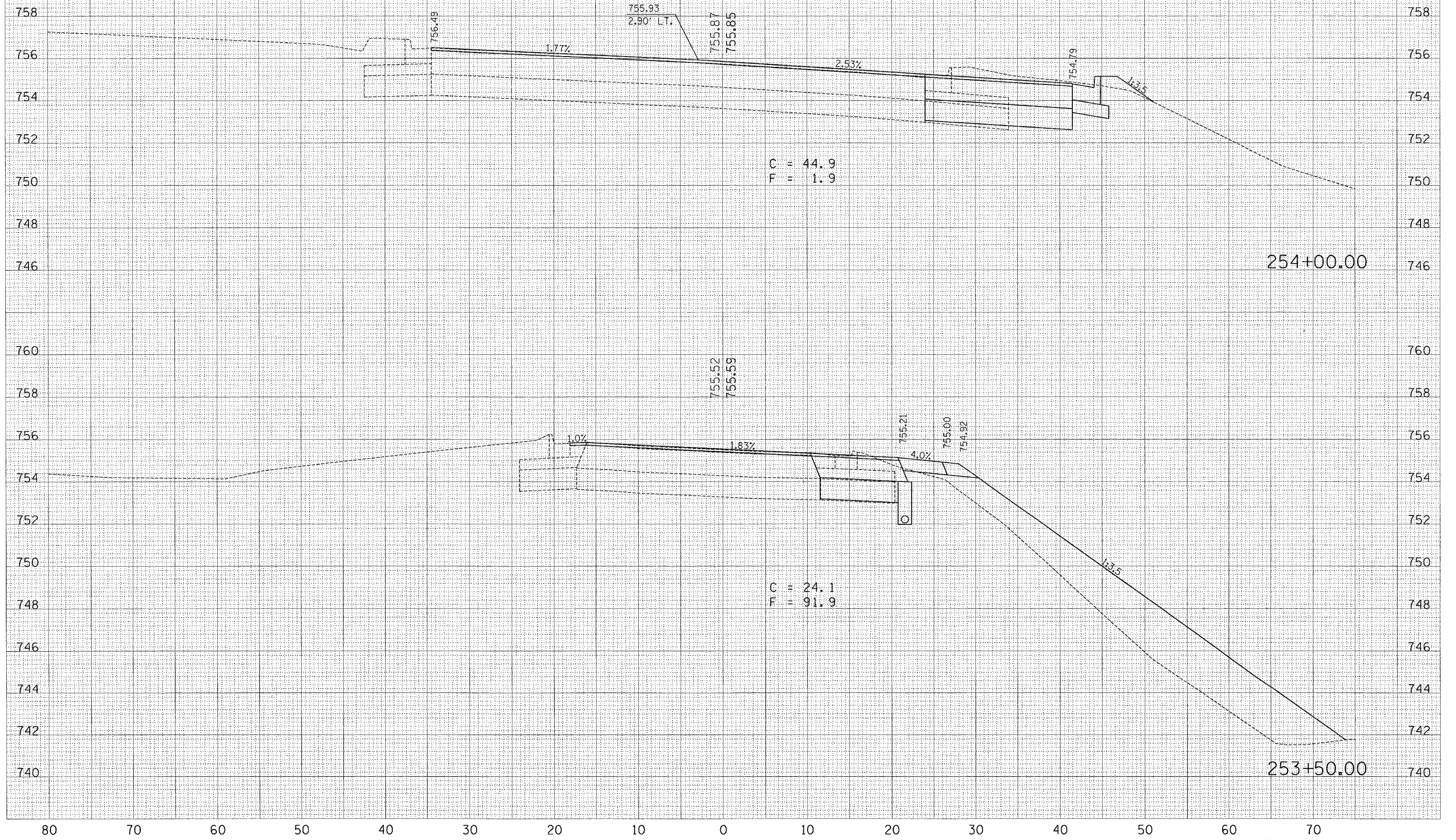
LINCOLN AVE. EASTBOUND OFF-RAMP

RAMP "C"

DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
REPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
REPLATE	
AREAS	
CHECKED	
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 USER NAME = philipj



254+00.00

253+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	106
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FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*1015-1-RS-1,14-1(RRS & 6RS-3				

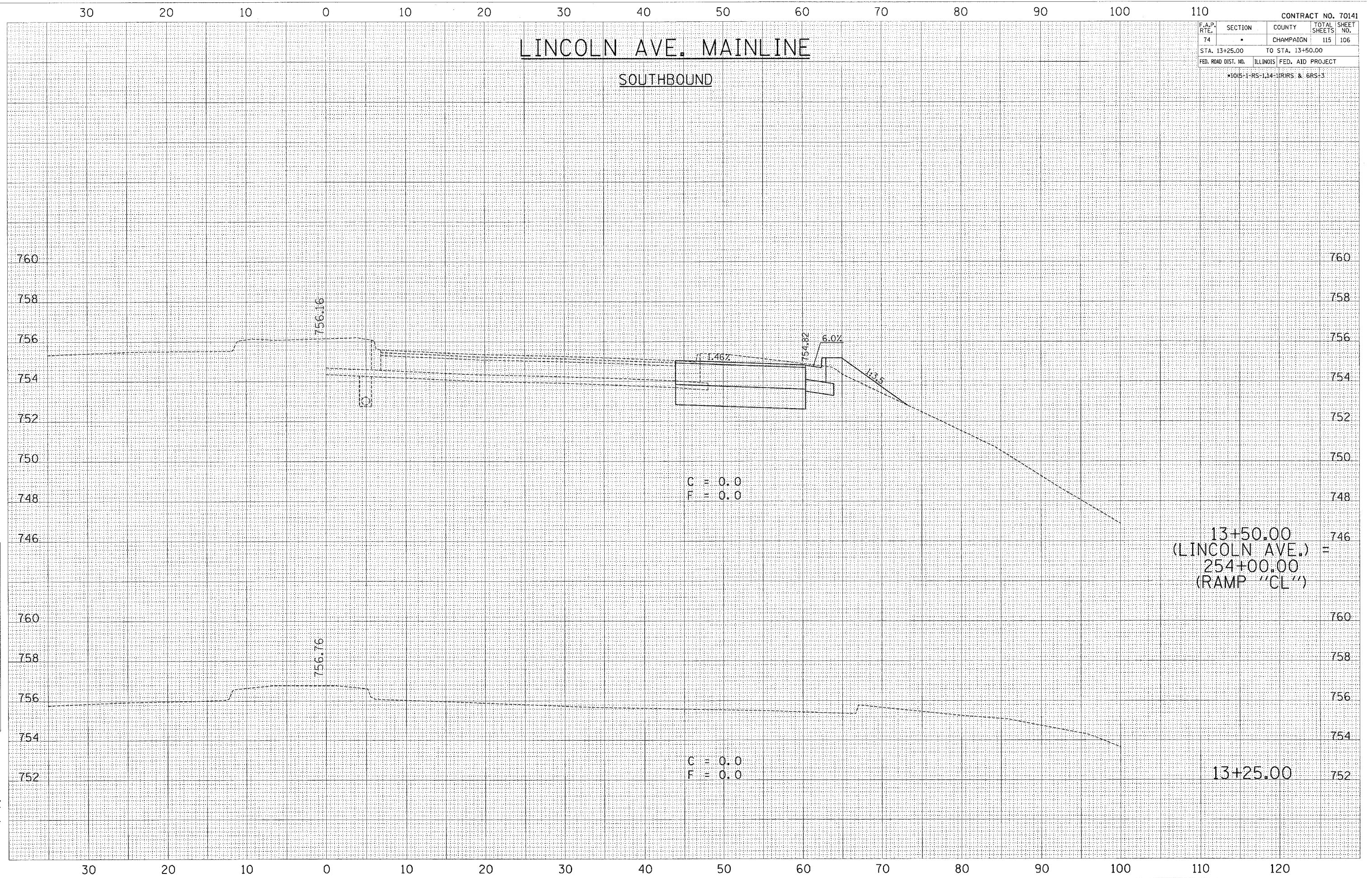
LINCOLN AVE. MAINLINE

SOUTHBOUND

FINAL SURVEY	DATE
BY	
NO. AREAS CHECKED	

ORIGINAL SURVEY	DATE
BY	
NO. AREAS CHECKED	

PLOT DATE = 10/29/2005
 FILE NAME = c:\p050314\45077800 (48)\lincoln\45077800.dwg
 PLOT SCALE = 5/8" = 1' IN.
 USER NAME = phillipsj



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	107
STA. 13+75.00		TO STA. 14+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*1015-1-RS-1,14-HRRS & BRS-3				

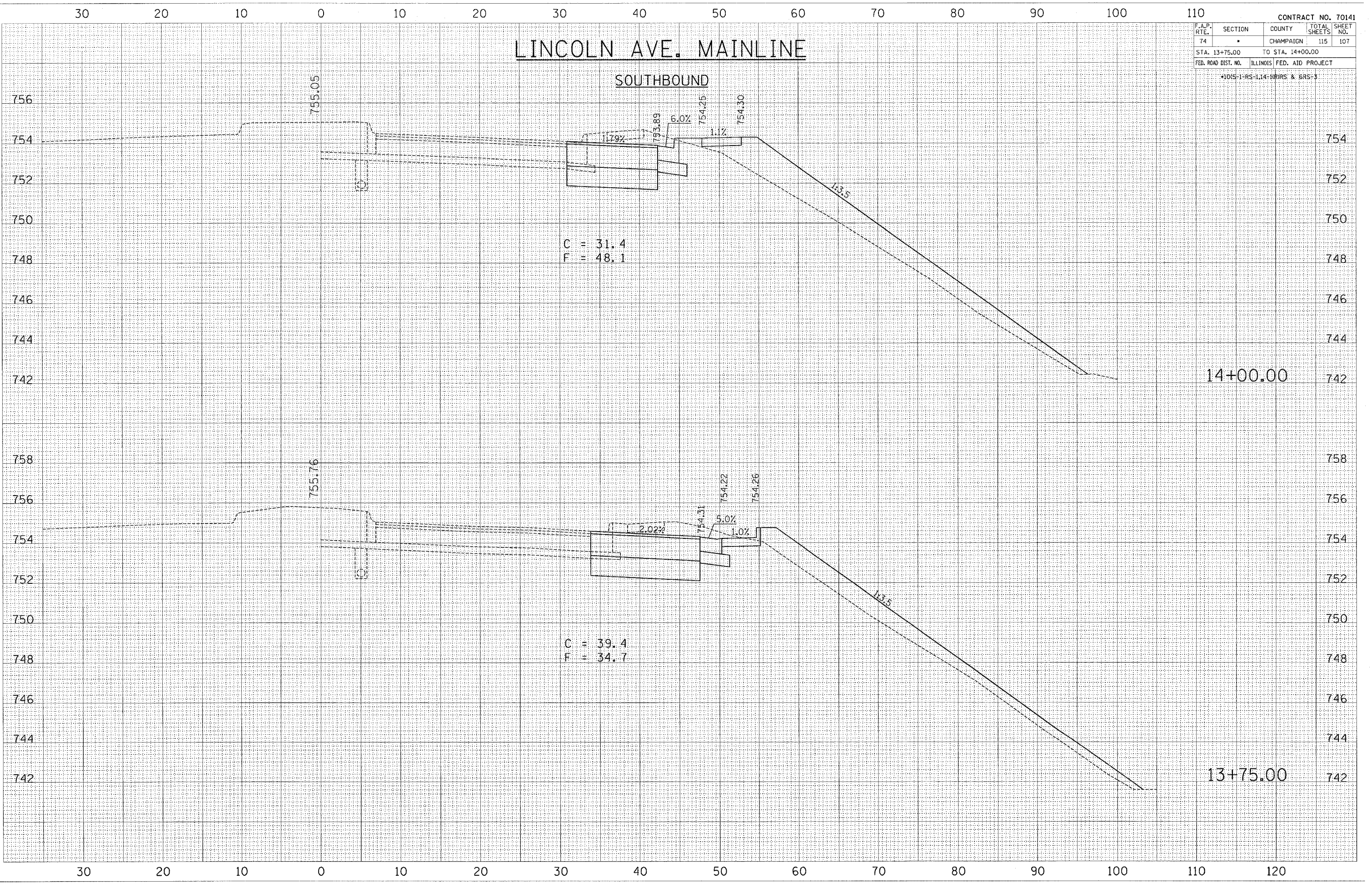
LINCOLN AVE. MAINLINE

SOUTHBOUND

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	

PLOT DATE = 10/24/2005
 PLOT SCALE = 6.000" = 1"
 USER NAME = phillips

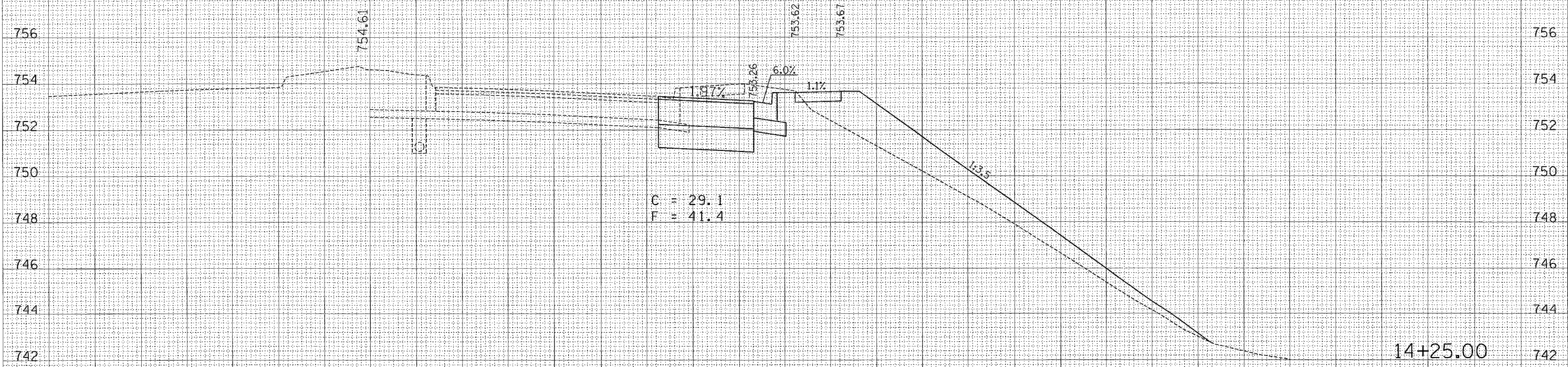
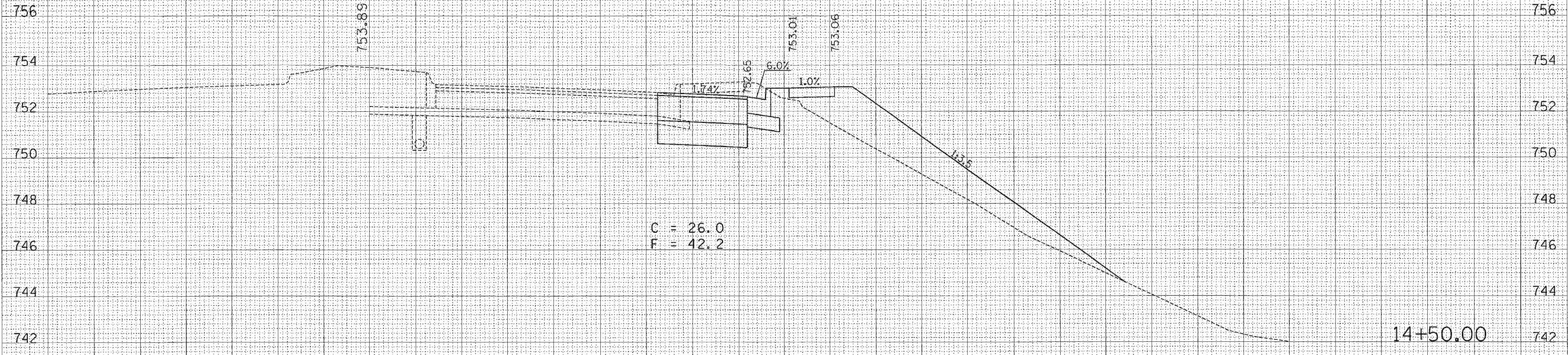


30 20 10 0 10 20 30 40 50 60 70 80 90 100 110

LINCOLN AVE. MAINLINE

SOUTHBOUND

F.A.P. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	108
STA. 14+25.00		TO STA. 14+50.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*104-1-RS-1,14-1(RS & 6RS-3				



30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

DATE	BY

DATE	BY

ORIGINAL SURVEYED
 SURVEY PLOTTED
 NOTE BOOK
 AREAS CHECKED
 NO.

PLOT DATE = 10/29/2005
 PLOT SCALE = 1/8" = 20' / 1" / IN.
 USER NAME = phillips

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	109
STA. 14+75.00		TO STA. 15+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*105-1-RS-1,14-1-RS & 6RS-3				

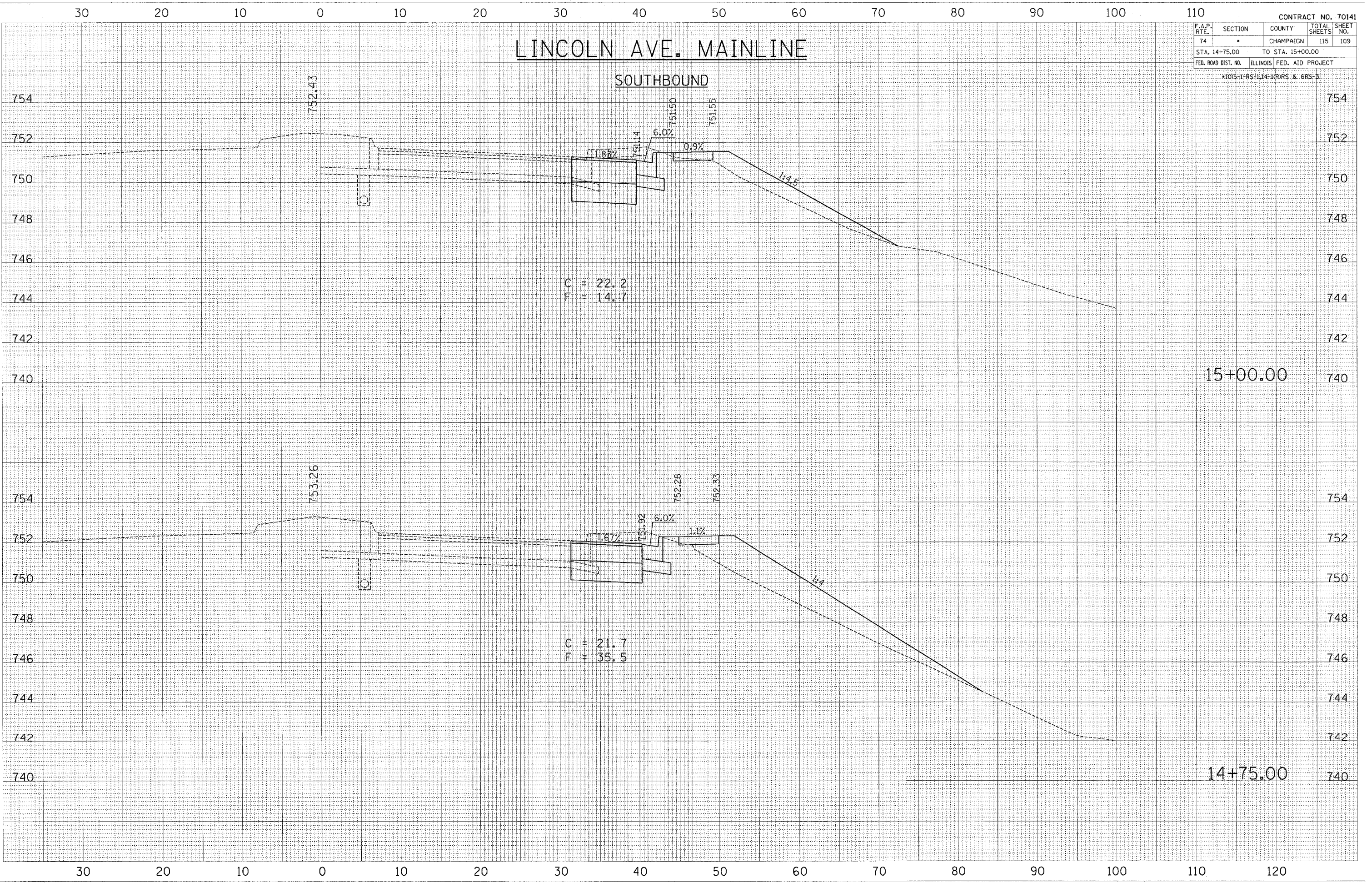
LINCOLN AVE. MAINLINE

SOUTHBOUND

DATE	BY

DATE	BY

PLOT DATE = 10/29/2005
 PLOT SCALE = 5/8" = 1' IN.
 USER NAME = phillips



C = 22.2
 F = 14.7

C = 21.7
 F = 35.5

15+00.00

14+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	110
STA. 15+25.00		TO STA. 15+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*1015-1-RS-L14-1(R)RS & 6RS-3				

LINCOLN AVE. MAINLINE

SOUTHBOUND

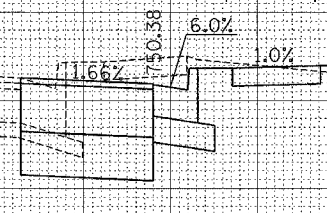
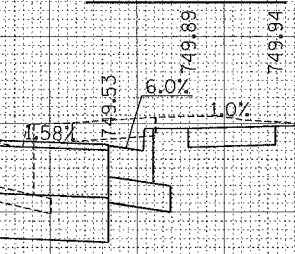
EXISTING R.O.W. LINE

C = 21.7
F = 0.0

C = 22.2
F = 1.9

750.75

751.63



15+50.00

15+25.00

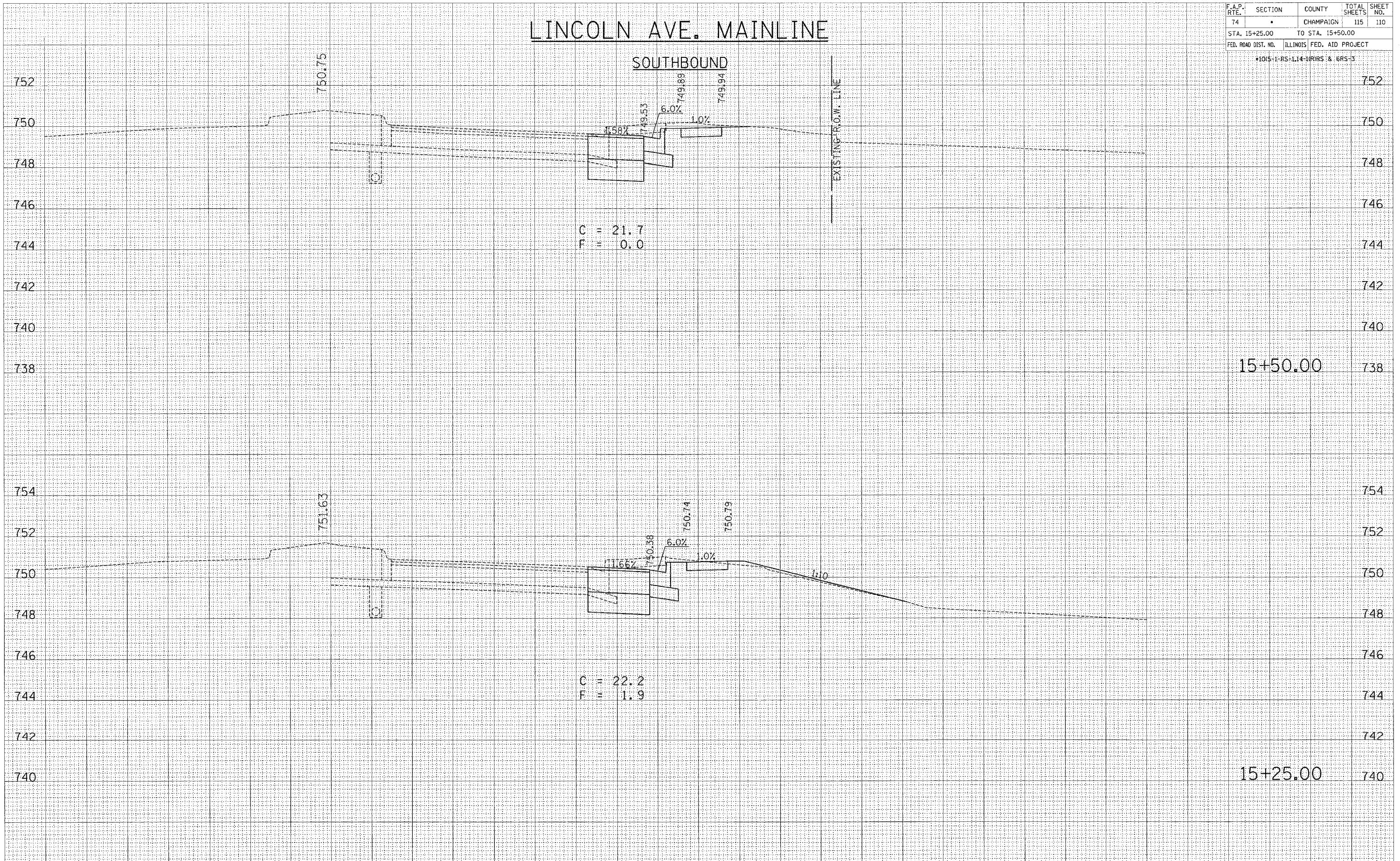
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	REPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	REPLATE		
	AREAS CHECKED		

PLOT DATE = 10/24/2005
FILE NAME = c:\projects\2007000\vb\lincoln\lincoln.dwg
USER NAME = phillips

30 20 10 0 10 20 30 40 50 60 70 80 90 100 110

30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

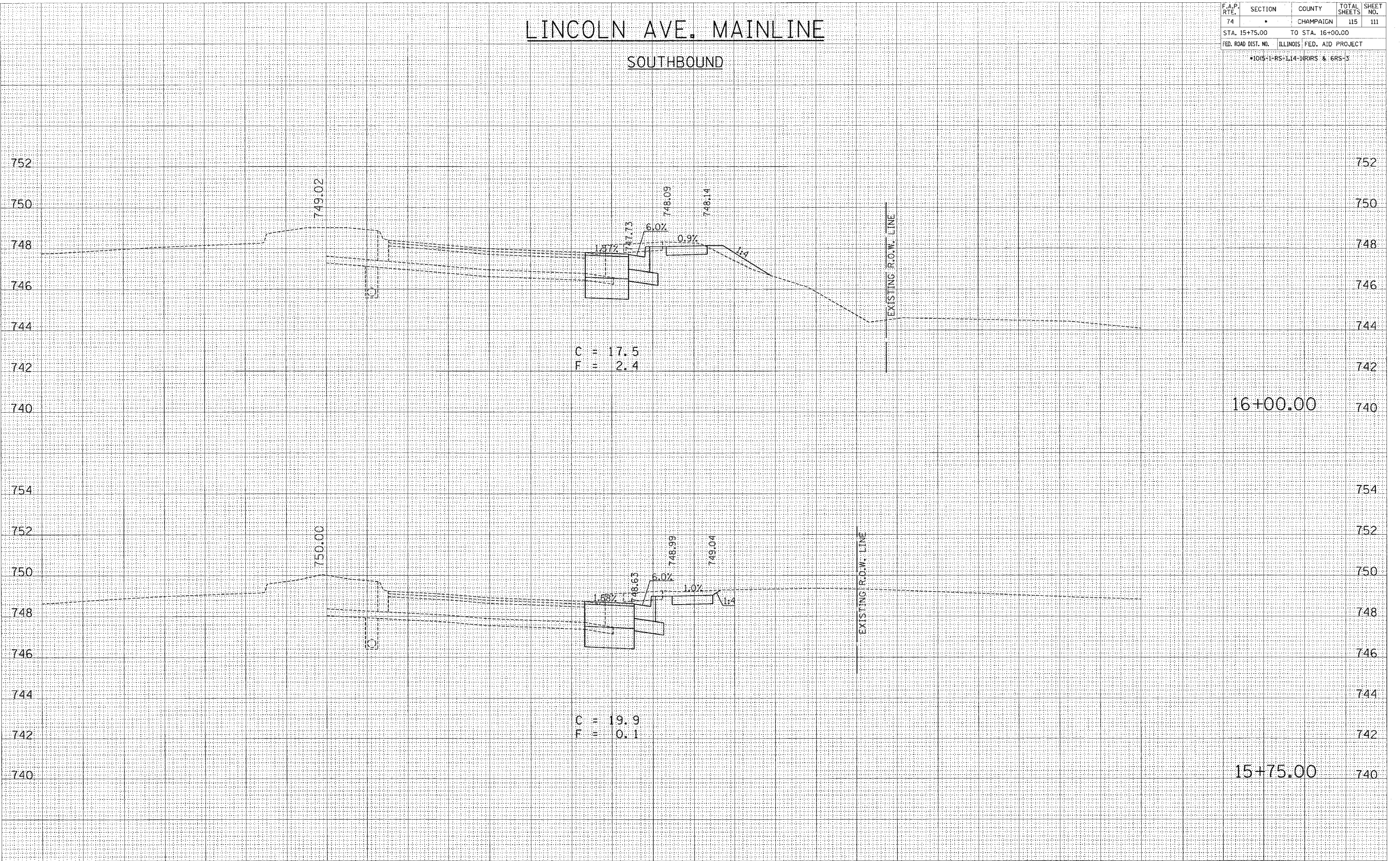


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	111
STA. 15+75.00		TO STA. 16+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
+1015-1-RS-114-1(R)RS & 6RS-3				

LINCOLN AVE. MAINLINE

SOUTHBOUND

30 20 10 0 10 20 30 40 50 60 70 80 90 100 110



30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

FINAL SURVEY BY DATE
 SURVEYED BY DATE
 PLANT DATE
 TIME DATE
 AREAS CHECKED
 AREAS CHECKED

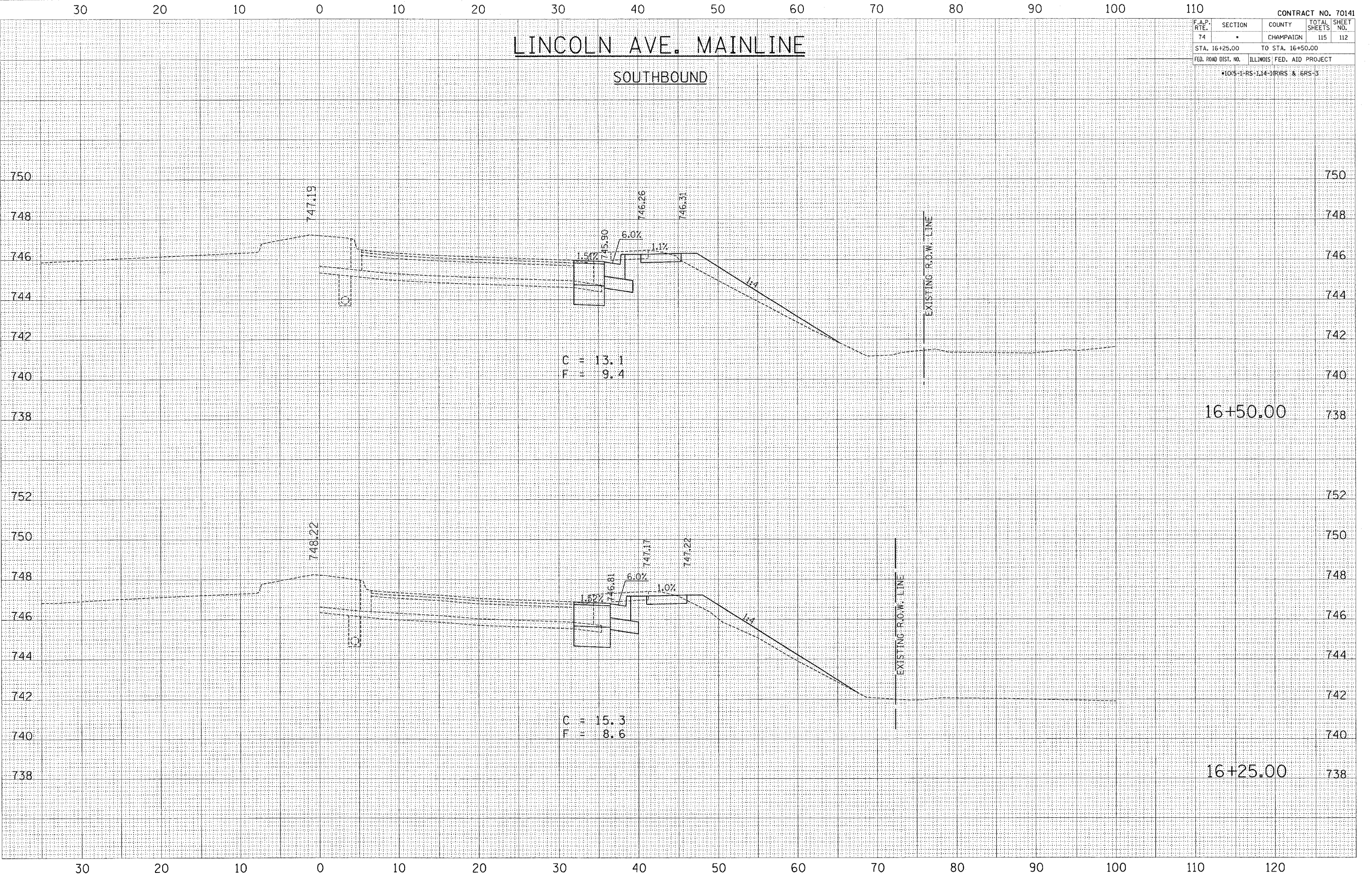
ORIGINAL SURVEY BY DATE
 SURVEYED BY DATE
 PLANT DATE
 TIME DATE
 AREAS CHECKED
 AREAS CHECKED

PLOT DATE = 07/29/2005
 FILE NAME = s:\projects\45072005\45072005.dwg
 PLOT SCALE = 1/8" = 1' IN.
 USER NAME = phillips

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	112
STA. 16+25.00		TO STA. 16+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*10S-1-RS-1.14-10RS & 6RS-3				

LINCOLN AVE. MAINLINE

SOUTHBOUND



DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 CHECKED: _____

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 CHECKED: _____

PLOT DATE: 10/29/2008
 FILE NAME: 16+25.00-16+50.00
 PLOT SCALE: 5/8" = 1'-0"
 USER NAME: phillips

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	113
STA. 16+75.00		TO STA. 17+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*1045-1-RS-14-TRRS & 6RS-3				

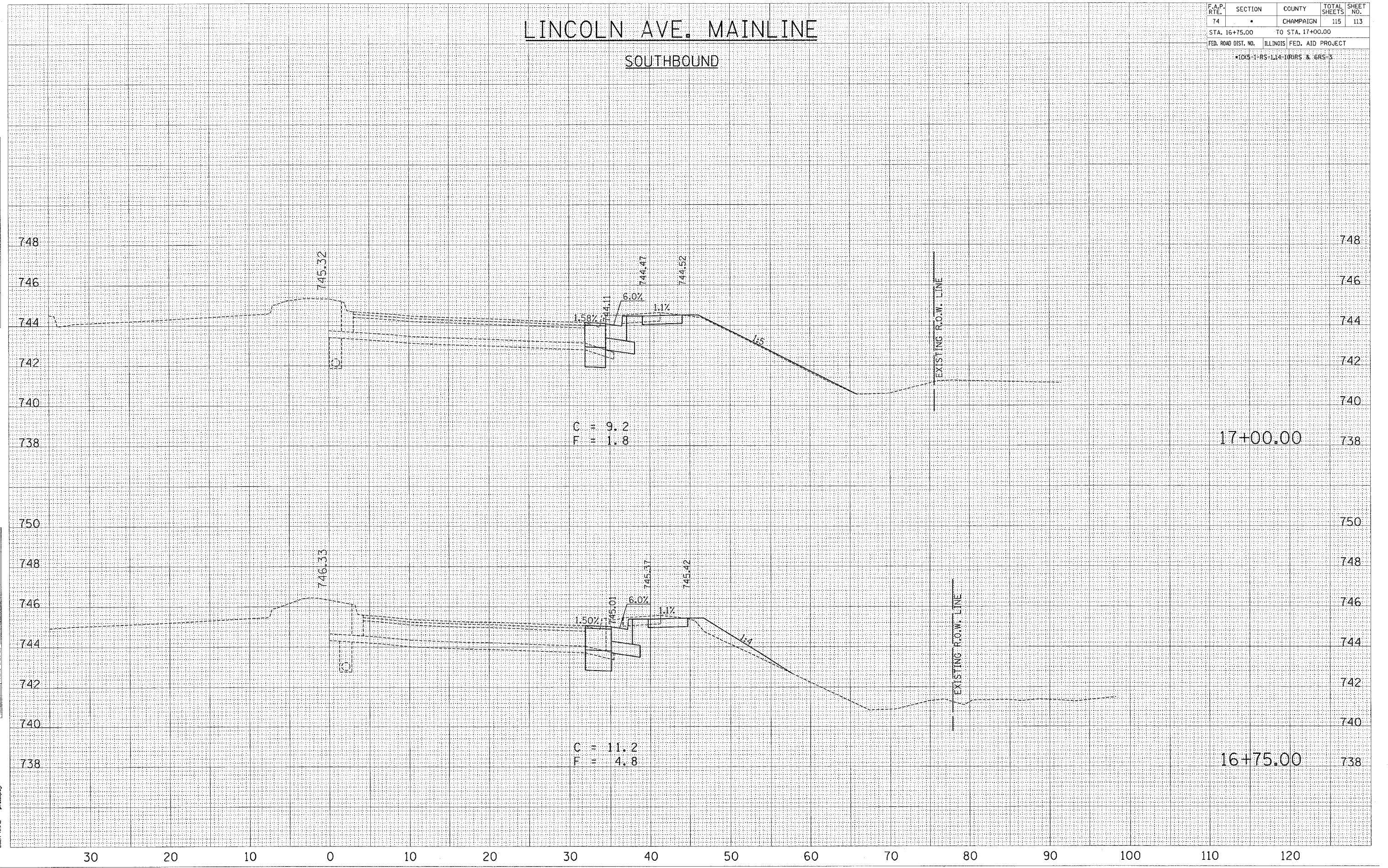
LINCOLN AVE. MAINLINE

SOUTHBOUND

BY _____ DATE _____
 SURVEYED _____
 CHECKED _____
 FINISHED _____
 NO. _____

BY _____ DATE _____
 SURVEYED _____
 CHECKED _____
 FINISHED _____
 NO. _____

DATE = 10/29/2005
 PLOT DATE = 10/29/2005
 PLOT SCALE = 5/8" = 1' IN.
 USER NAME = philipj



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	115
STA. 18+00.00		TO STA. 18+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*105-1-RS-1,14-1(R)RS & 6RS-3				

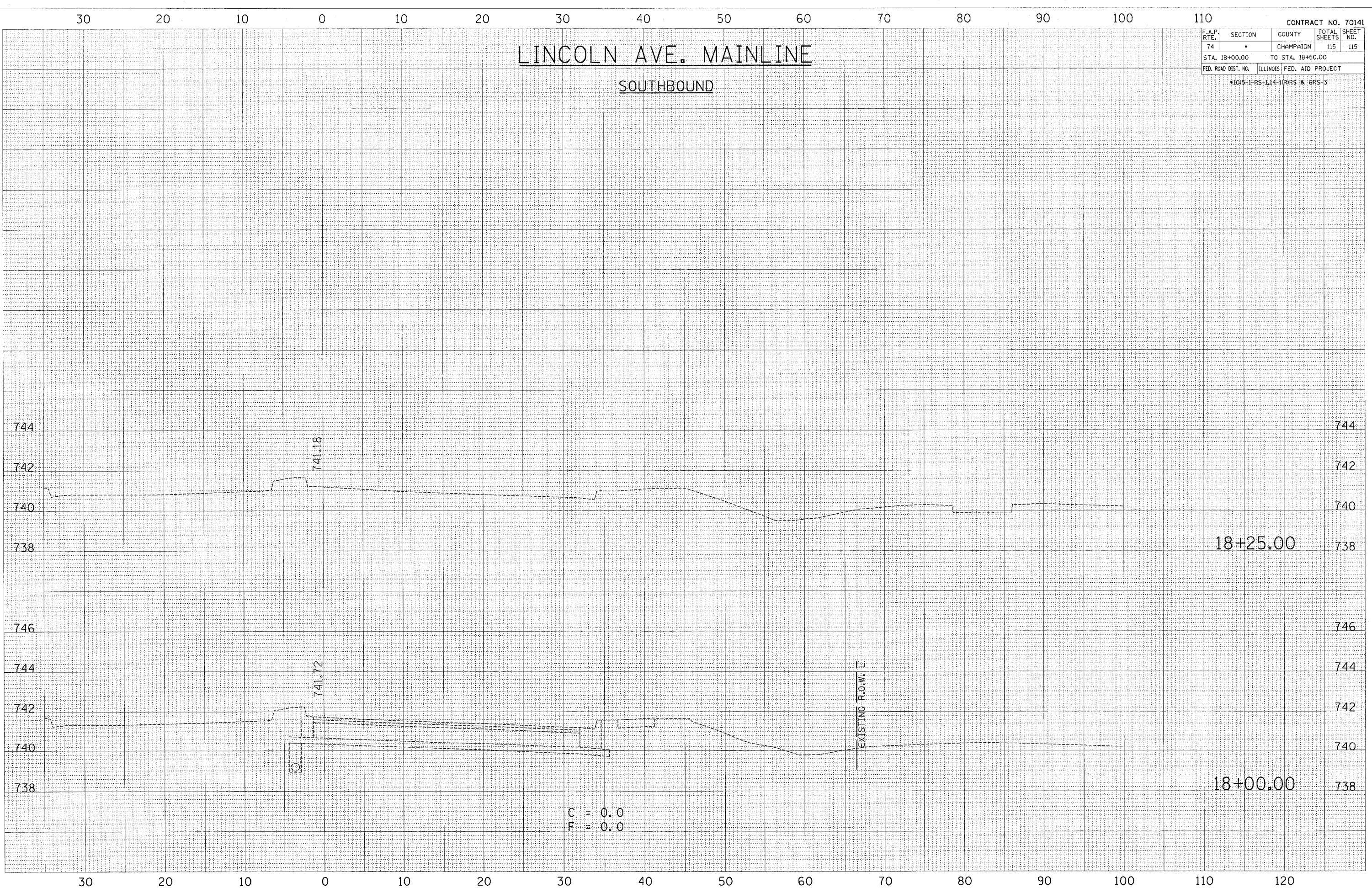
LINCOLN AVE. MAINLINE

SOUTHBOUND

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS CHECKED		
NO.		

PLOT DATE = 10/29/2005
 FILE NAME = c:\pwworkspace\10770800\10770800.dwg
 USER NAME = phillips



C = 0.0
 F = 0.0