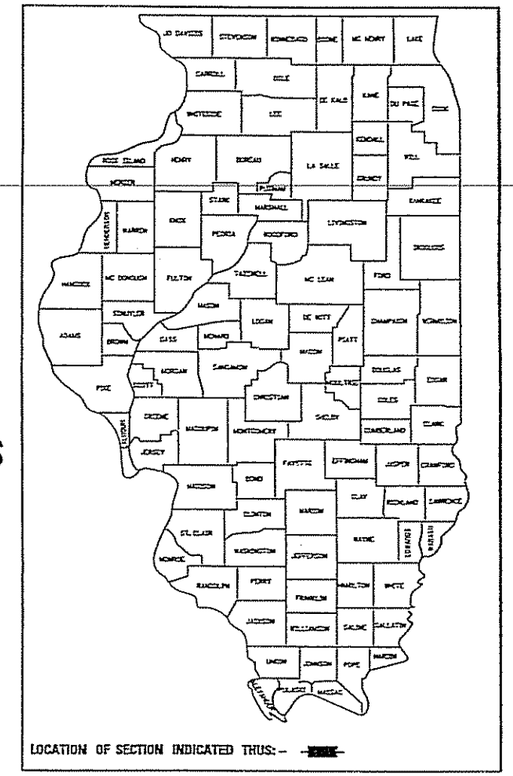
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0316	116R & 06-5HBR	BUREAU	163	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F. A.I. ROUTE 80 (I80)
OVER FAP 316 (IL26)
PROJECT NO. IM-080-2(061)056
SECTION 116R & 06-5HBR
BUREAU COUNTY
C-92-073-03

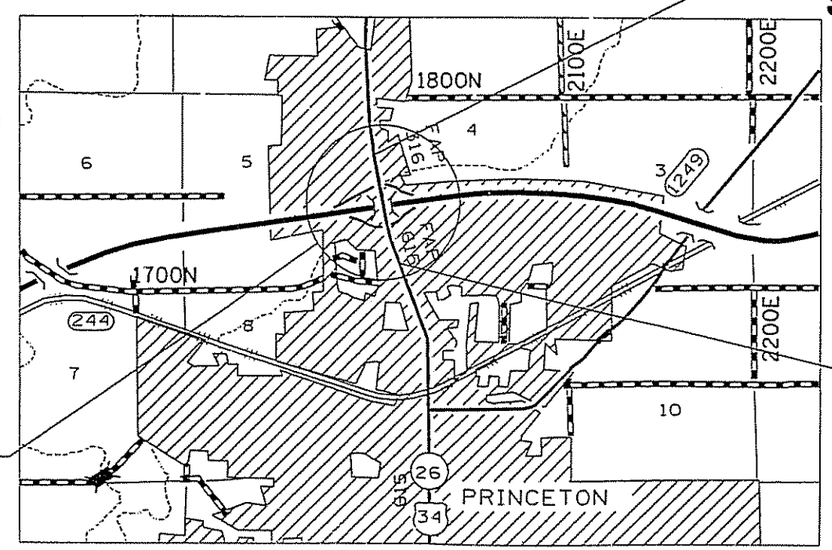
P-92-097-93



Reel 2-259

SHEET NO.	INDEX OF SHEETS
1-2	COVER SHEET, INDEX OF SHEETS, AND STATE STANDARDS
3-8	SUMMARY OF QUANTITIES
9-13	TYPICAL SECTIONS
14	HORIZONTAL & VERTICAL CONTROL
15	GENERAL NOTES
16-29	SCHEDULE OF QUANTITIES
30	DRAINAGE SCHEDULE
31-41	STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
42	SHEET PILE DETAIL
43-48	PLAN AND PROFILE
49-54	DRAINAGE PLAN AND PROFILE
55-57	PAVEMENT ELEVATION PLAN
58-59	PAVEMENT MARKING
60-61	EROSION CONTROL
62-63	LANDSCAPING PLANS
64-70	TRAFFIC SIGNALS
71-103C	BRIDGE PLANS
104-110	EXISTING BRIDGE PLANS
111-125	LIGHTING PLANS
126-128	PAVEMENT JOINTING DETAIL
129	I-80 GUARDRAIL & CULVERT DETAILS
130-154	CROSS SECTIONS
155	CONCRETE COLLARS FOR PIPE OR BOX CULVERT EXTENSIONS (DIST STD 33.1)
156	BITUMINOUS APPROACHES AND MAILBOX TURNOUTS (STABILIZED SHOULDERS) (DIST STD 21.1)
157	TYPICAL PAVEMENT MARKINGS (DIST STD 41.1)
158	DETAILS OF PLANTING AND BRACING TREES (DIST STD 92.1)
159	STORM WATER POLLUTION PREVENTION PLAN EROSION CONTROL PLAN (DIST STD 2.1) SUPERELEVATION TRANSITION ON TWO-LANE HIGHWAY (DIST STD 45.2)
160	INLET SPECIAL (DIST STD 10.2) FRAME & GRATE FOR INLET SPECIAL (DIST STD 13.2a)
161	TRAFFIC CONTROL & PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (DIST STD 94.2) EROSION CONTROL DETAILS FOR SILT FENCE (DIST STD 29.2)
162	DRAIN FOR AGGREGATE BASE COURSE (DIST STD 96.4) DELINEATOR AND POST (DIST STD 37.4) BITUMINOUS SHOULDER (DIST STD 23.4a)
163	DRAIN FOR AGGREGATE BASES IN URBAN AREAS (DIST STD 88.4) STOP LINE SIGN FOR TEMPORARY SIGNALS (DIST STD 99.4) TREE REPLACEMENT (DIST STD 90.4)

PROJECT BEGINS
STA. 718 + 90



PROJECT ENDS
STA. 739 + 00

PROJECT SITE

LOCATION MAP
SCALE: N/A

TOWNSHIP: PRINCETON
SECTIONS: 4 & 5

GROSS AND NET LENGTH OF PROJECT = 2052 FT. = 0.389 MI.
RAMP A IMPROVEMENTS = 200 FT. = 0.038 MI.
RAMP B IMPROVEMENTS = 654 FT. = 0.123 MI.
RAMP C IMPROVEMENTS = 120 FT. = 0.023 MI.
RAMP D IMPROVEMENTS = 99 FT. = 0.019 MI.

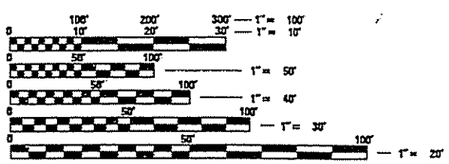
Page # 1-70 & 126-154
Michael Speler 02-04-03

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED February 11 20 03
Gregory I. Montes
DISTRICT ENGINEER

March 21, 20 03
Michael Hine
ENGINEER OF DESIGN AND ENVIRONMENT

March 21, 20 03
James R. Sorteel
DIRECTOR, DIVISION OF HIGHWAYS



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

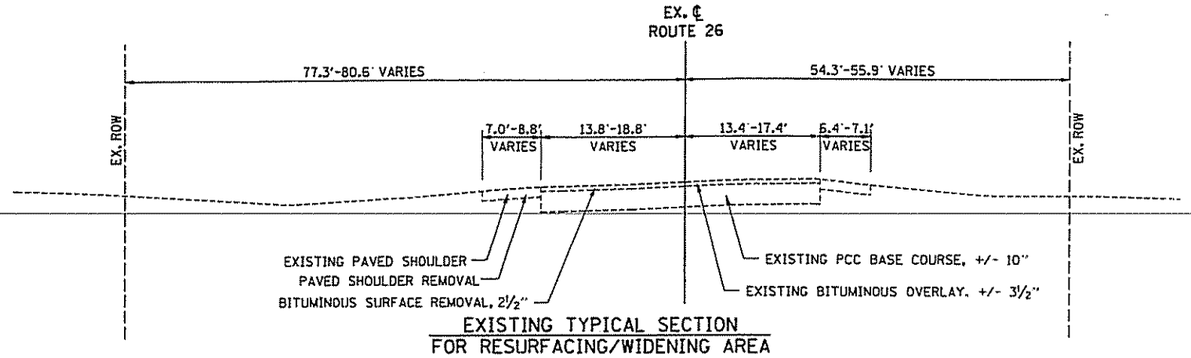
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

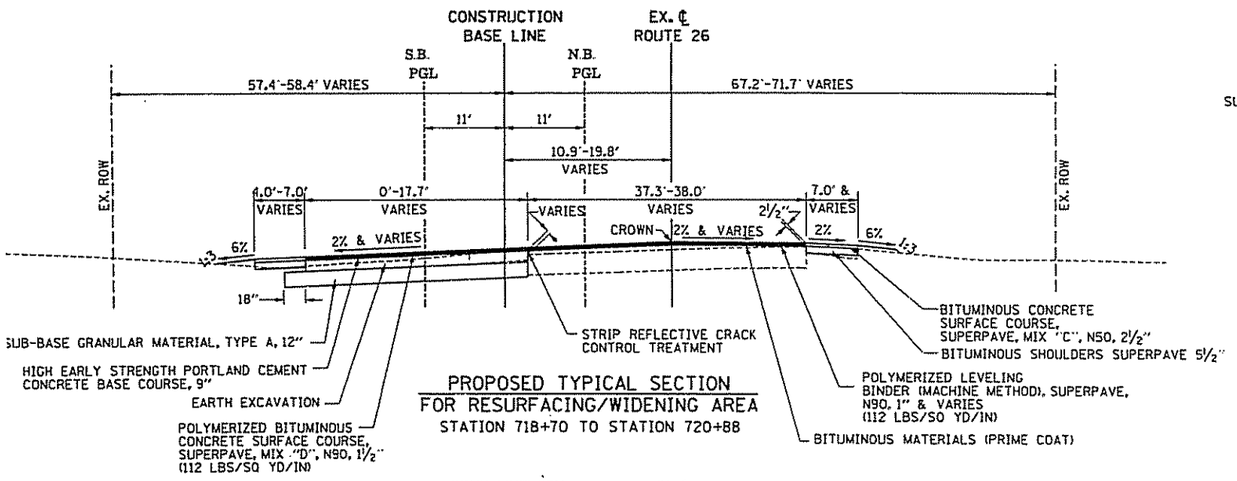
CONTRACT NO. 84872

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0316	116-R & 06-5HBR	BUREAU	183	9
STA.		TO STA.		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

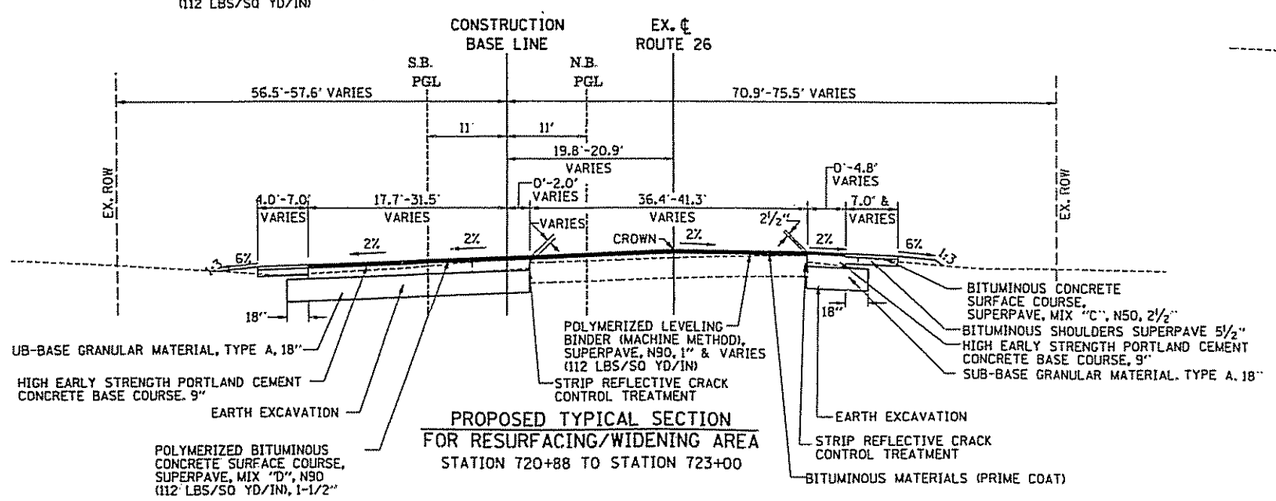
TYPICAL SECTIONS



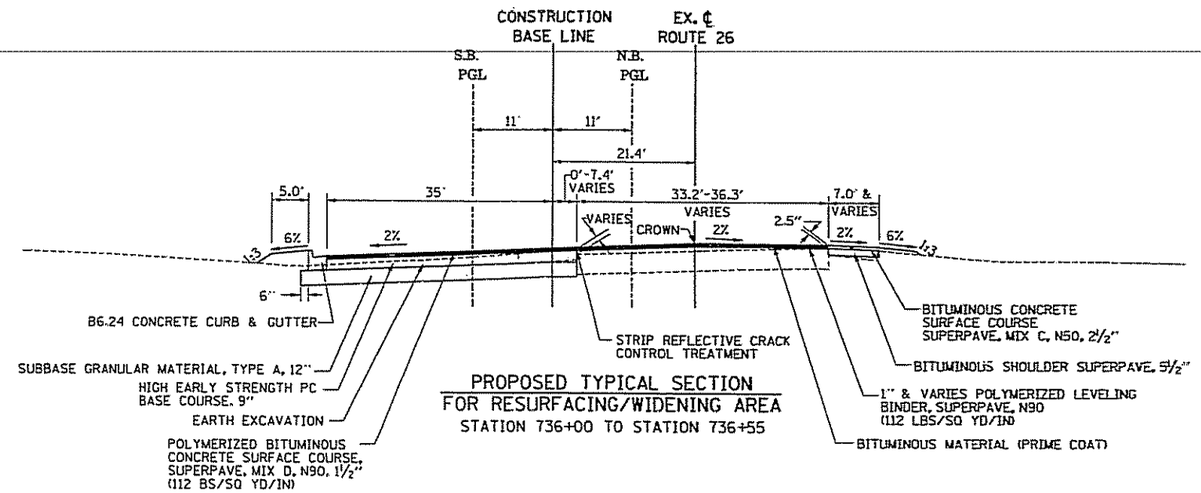
EXISTING TYPICAL SECTION
FOR RESURFACING/WIDENING AREA
STATION 718+70 TO STATION 723+00
STATION 736+00 TO STATION 739+22



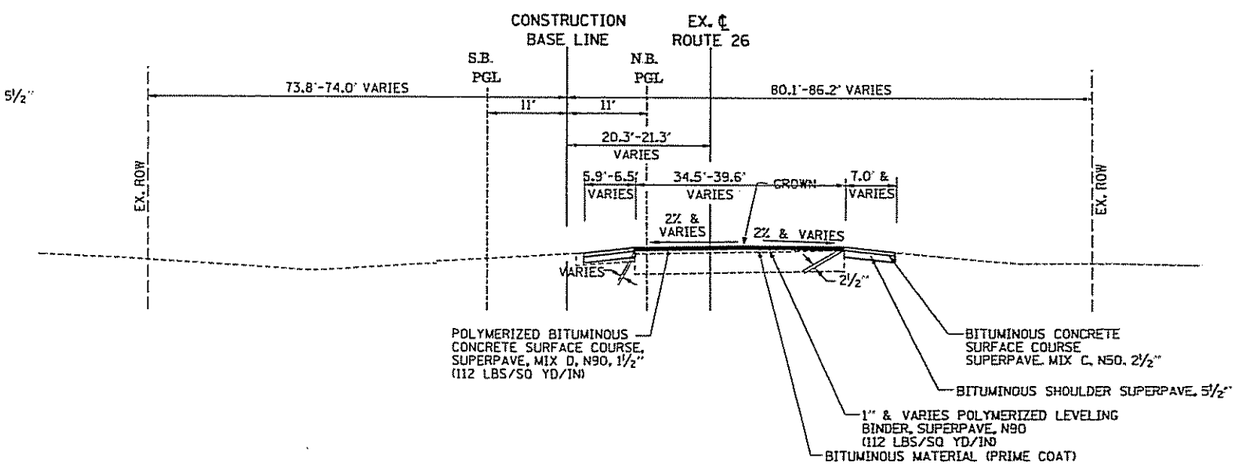
PROPOSED TYPICAL SECTION
FOR RESURFACING/WIDENING AREA
STATION 718+70 TO STATION 720+88



PROPOSED TYPICAL SECTION
FOR RESURFACING/WIDENING AREA
STATION 720+88 TO STATION 723+00



PROPOSED TYPICAL SECTION
FOR RESURFACING/WIDENING AREA
STATION 736+00 TO STATION 736+55



PROPOSED TYPICAL SECTION
FOR RESURFACING/WIDENING AREA
STATION 736+55 TO STATION 739+22

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

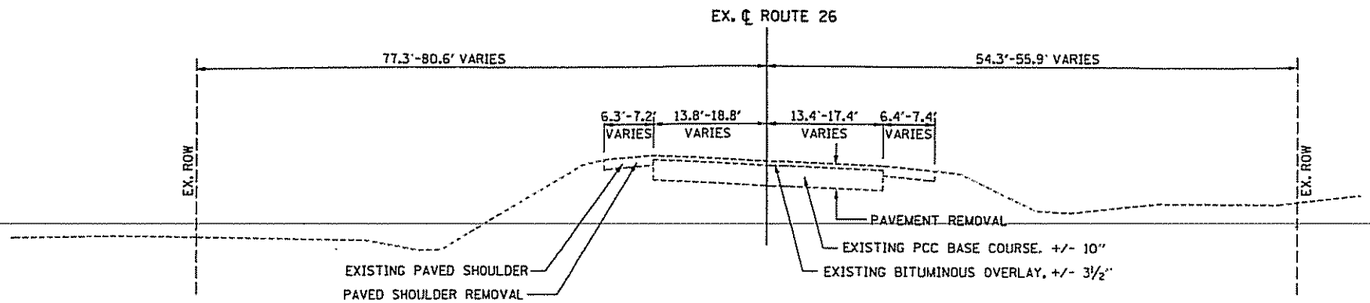
TYPICAL SECTIONS

IL ROUTE 26
WITH FAI 80 RAMPS A, B, C, & D

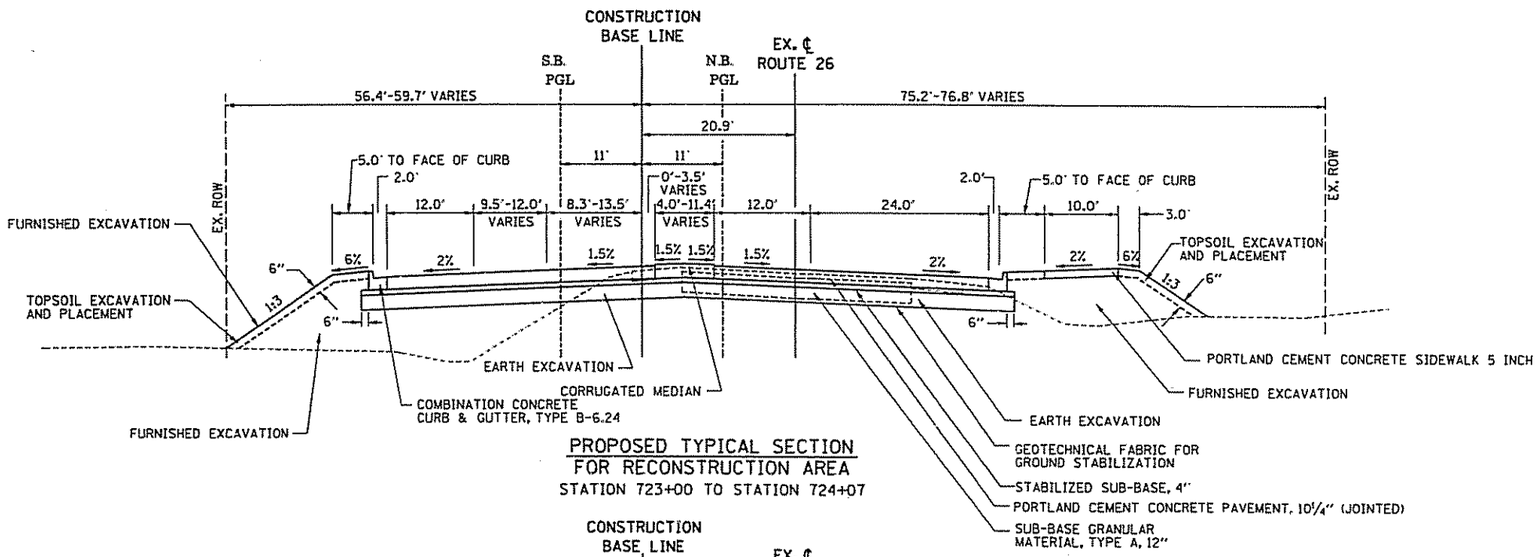
SCALE: VERT. / HORIZ.
DATE: 1-31-03
DRAWN BY:
CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0316	116-R & 06-5HBR	BUREAU	163	10
STA.		TO STA.		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

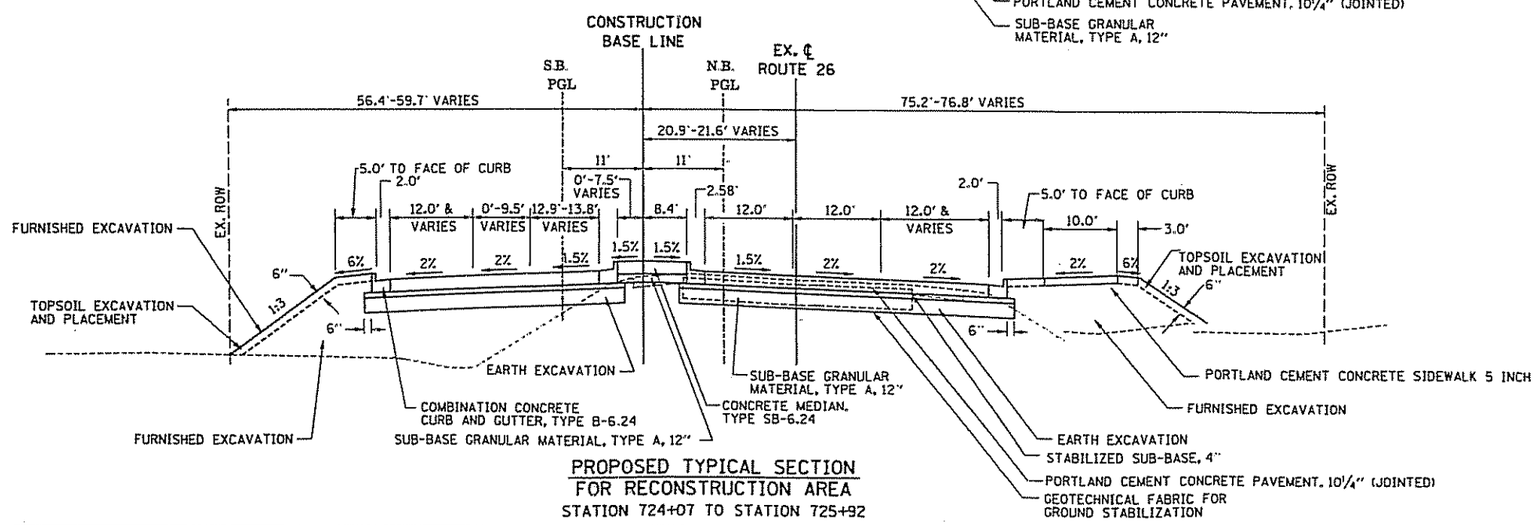
TYPICAL SECTIONS



EXISTING TYPICAL SECTION
FOR RECONSTRUCTION AREA
STATION 723+00 TO STATION 725+92



PROPOSED TYPICAL SECTION
FOR RECONSTRUCTION AREA
STATION 723+00 TO STATION 724+07



PROPOSED TYPICAL SECTION
FOR RECONSTRUCTION AREA
STATION 724+07 TO STATION 725+92

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

IL ROUTE 26
WITH FAI 80 RAMPS A, B, C, & D

SCALE: VERT. HORIZ.

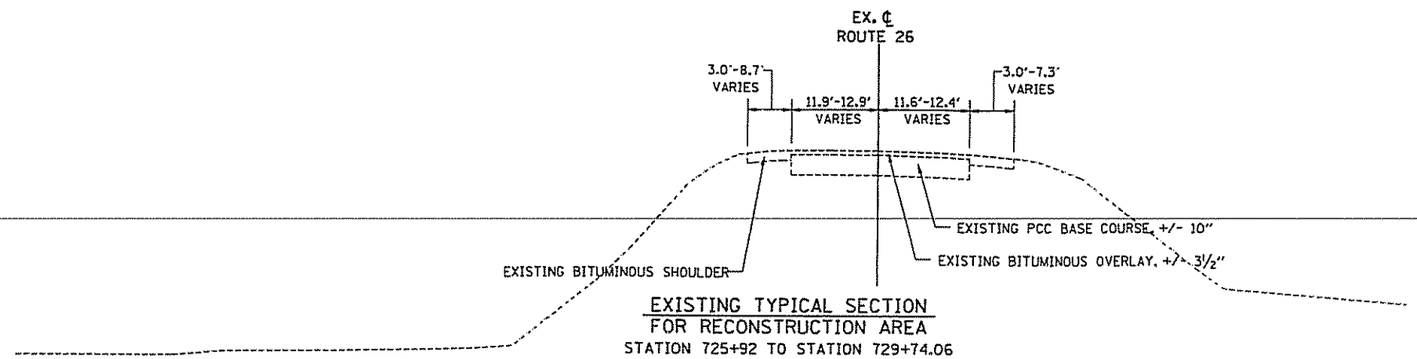
DRAWN BY:

DATE: 1-31-03

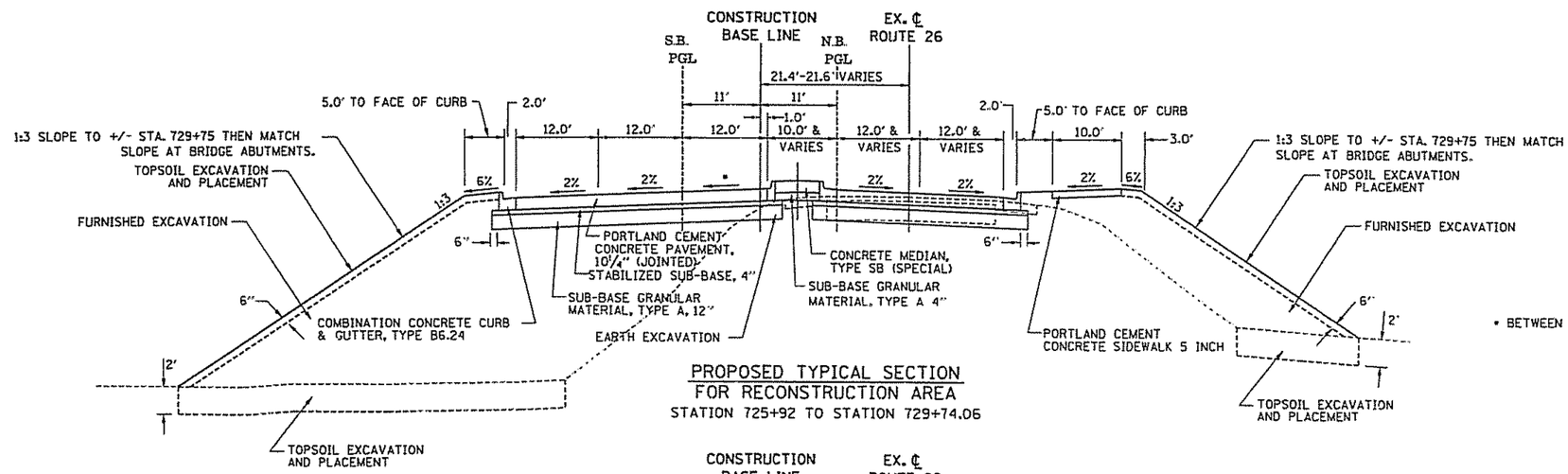
CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0316	116-R & 06-5HBR	BUREAU	153	11
STA.		TO STA.		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

TYPICAL SECTIONS

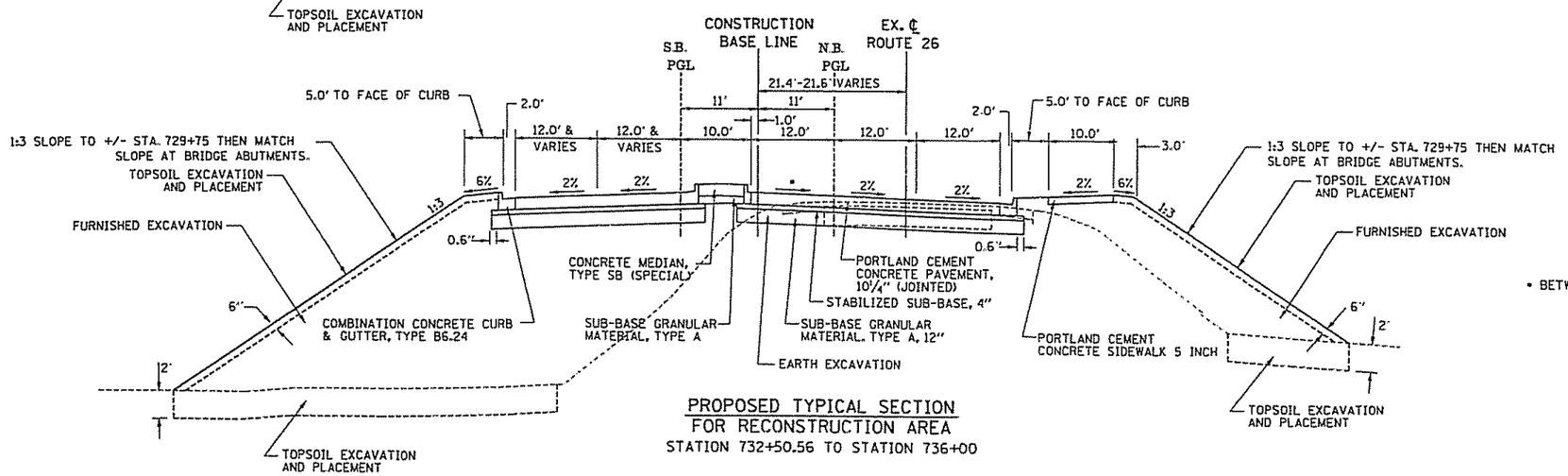


EXISTING TYPICAL SECTION
FOR RECONSTRUCTION AREA
STATION 725+92 TO STATION 729+74.06
STATION 732+50.56 TO STATION 736+00



PROPOSED TYPICAL SECTION
FOR RECONSTRUCTION AREA
STATION 725+92 TO STATION 729+74.06

* BETWEEN STA 725+92 - 728+50 CROSS-SLOPE=1.5%
728+50 - 729+50 CROSS-SLOPE=1.5% & VARIABLE
729+50 - 729+74.06 CROSS-SLOPE=2%



PROPOSED TYPICAL SECTION
FOR RECONSTRUCTION AREA
STATION 732+50.56 TO STATION 736+00

* BETWEEN STA 732+50.56 - 733+50 CROSS-SLOPE=2%
733+50 - 734+50 CROSS-SLOPE=1.5% & VARIABLE
734+50 - 736+50 CROSS-SLOPE=2%

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

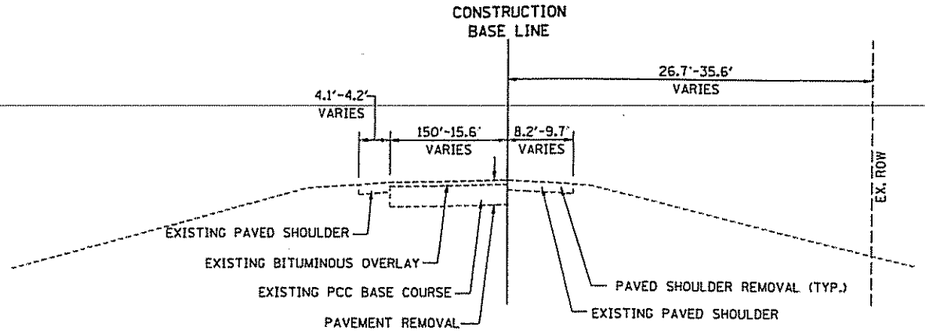
IL ROUTE 26
WITH FAI 80 RAMPS A, B, C, & D

SCALE: VERT.
HORIZ.

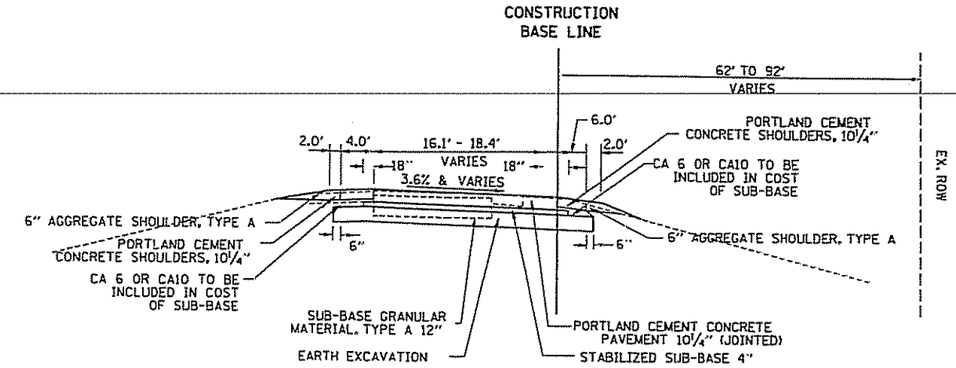
DATE: 1-31-03

DRAWN BY:
CHECKED BY

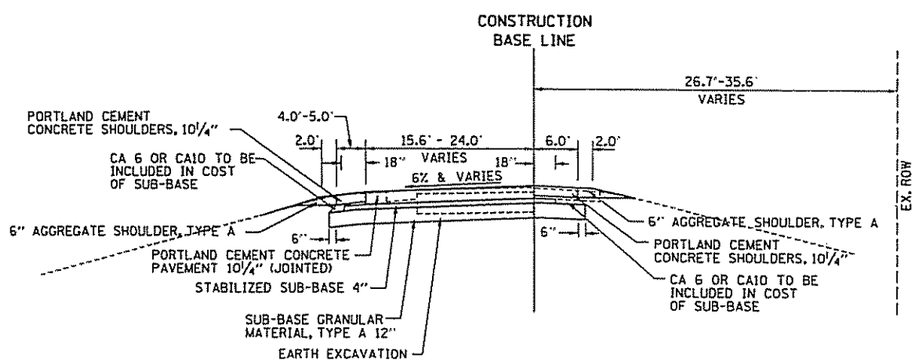
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0316	116-R & 06-5HBR	BUREAU	163	12
STA.		TO STA.		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		



EXISTING TYPICAL SECTION
FOR RAMPS A & B
STATION 6011+50.00 TO STATION 6016+90.64 (RAMP B)
STATION 8001+17.64 TO STATION 8002+00.00 (RAMP A)



PROPOSED TYPICAL SECTION
FOR RAMP A
STATION 8001+17.64 TO STATION 8002+00



PROPOSED TYPICAL SECTION
FOR RAMP B
STATION 6011+50.00 TO STATION 6016+90.64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

IL ROUTE 26
WITH FAI 80 RAMPS A, B, C, & D

SCALE: VERT. HORIZ.
DATE: 1-31-03
DRAWN BY:
CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0316	116-R & 06-SHGR	BUREAU	163	14
STA.	TO STA.			
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

CURVE NO. 1		
CURVE DATA	N. COORD.	E. COORD.
PI STA. = 724+64.51		
Δ = 7°37'58" (RT)		
D = 2°38'00"		
T = 145.14'		
R = 2,175.79'		
L = 289.85'		
E = 4.84'		
PC STA. = 723+19.37	1723653.66	2488077.97
PT STA. = 726+09.22	1723934.41	2488006.78

CURVE NO. 2		
CURVE DATA	N. COORD.	E. COORD.
PI STA. = 6009+02.67		
Δ = 38°00'40" (RT)		
D = 8°21'29"		
T = 236.12'		
R = 685.52'		
L = 454.79'		
E = 39.52'		
PC STA. = 6006+66.55	1724193.37	2486957.93
PT STA. = 6011+21.34	1724088.52	2487391.94

CURVE NO. 3		
CURVE DATA	N. COORD.	E. COORD.
PI STA. = 6014+99.87		
Δ = 29°37'21" (LT)		
D = 12°52'32"		
T = 117.67'		
R = 445.08'		
L = 230.07'		
E = 15.29'		
PC STA. = 6013+82.20	1723948.02	2487611.73
PT STA. = 6016+12.27	1723878.56	2487828.39

CURVE NO. 4		
CURVE DATA	N. COORD.	E. COORD.
PI STA. = 8001+88.69		
Δ = 25°31'23" (LT)		
D = 13°06'00"		
T = 99.06'		
R = 437.37'		
L = 194.83'		
E = 11.38'		
PC STA. = 8000+89.63	1723917.99	2488120.01
PT STA. = 8002+84.46	1724039.34	2488270.38

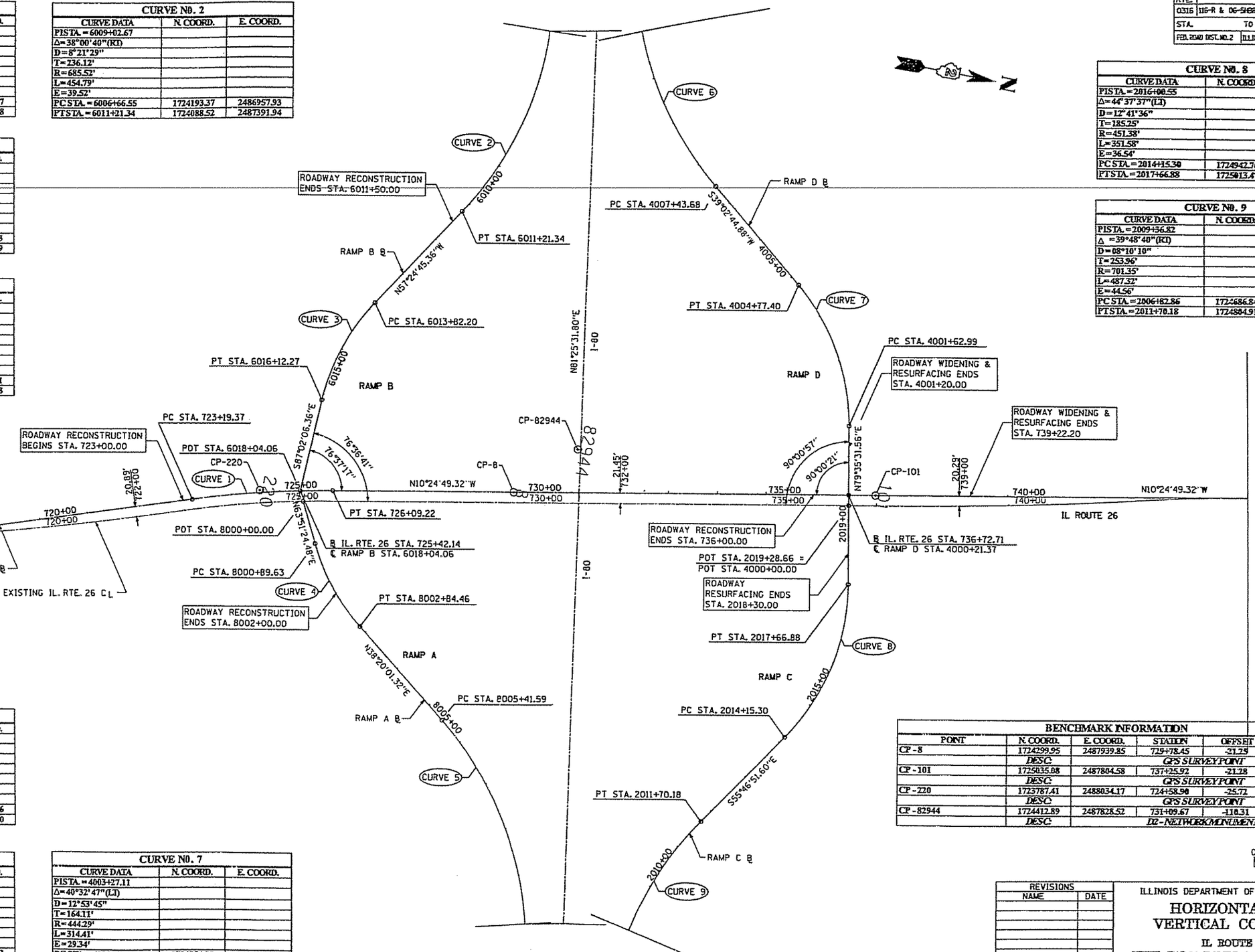
CURVE NO. 5		
CURVE DATA	N. COORD.	E. COORD.
PI STA. = 8008+10.56		
Δ = 41°56'09" (RT)		
D = 08°09'48"		
T = 268.97'		
R = 701.88'		
L = 513.72'		
E = 49.77'		
PC STA. = 8005+41.59	1724241.03	2488429.86
PT STA. = 8010+55.31	1724497.48	2488861.80

CURVE NO. 6		
CURVE DATA	N. COORD.	E. COORD.
PI STA. = 4010+06.35		
Δ = 41°15'51" (RT)		
D = 08°12'46"		
T = 262.67'		
R = 697.65'		
L = 502.44'		
E = 47.81'		
PC STA. = 4007+43.68	1724590.89	2487242.73
PT STA. = 4012+46.12	1724342.68	2486818.33

CURVE NO. 7		
CURVE DATA	N. COORD.	E. COORD.
PI STA. = 4003+27.11		
Δ = 40°32'47" (LT)		
D = 12°53'45"		
T = 164.11'		
R = 444.29'		
L = 314.41'		
E = 29.34'		
PC STA. = 4001+62.99	1724954.80	2487675.26
PT STA. = 4004+77.40	1724797.69	2487410.46

CURVE NO. 8		
CURVE DATA	N. COORD.	E. COORD.
PI STA. = 2016+00.55		
Δ = 44°37'37" (LT)		
D = 12°41'36"		
T = 185.25'		
R = 451.38'		
L = 351.58'		
E = 36.54'		
PC STA. = 2014+15.30	1724942.76	2488338.87
PT STA. = 2017+66.88	1725013.47	2487994.68

CURVE NO. 9		
CURVE DATA	N. COORD.	E. COORD.
PI STA. = 2009+36.82		
Δ = 39°48'40" (RT)		
D = 08°10'10"		
T = 253.96'		
R = 701.35'		
L = 487.32'		
E = 44.56'		
PC STA. = 2006+82.86	1724686.84	2488995.51
PT STA. = 2011+70.18	1724884.91	2488537.76



BENCHMARK INFORMATION					
POINT	N. COORD.	E. COORD.	STATION	OFFSET	ELEVATION
CP-8	1724299.95	2487939.85	729+78.45	-21.29	693.34
	DESC:	GPS SURVEY POINT			
CP-101	1725035.08	2487804.58	737+25.92	-21.28	679.86
	DESC:	GPS SURVEY POINT			
CP-220	1723787.41	2488034.17	724+58.98	-25.72	691.40
	DESC:	GPS SURVEY POINT			
CP-82944	1724412.89	2487828.52	731+09.67	-116.31	669.59
	DESC:	DZ-NETWORK MONUMENT			

0 100' 200'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORIZONTAL & VERTICAL CONTROL

IL ROUTE 26

WITH FAI 80 RAMPS A, B, C, & D

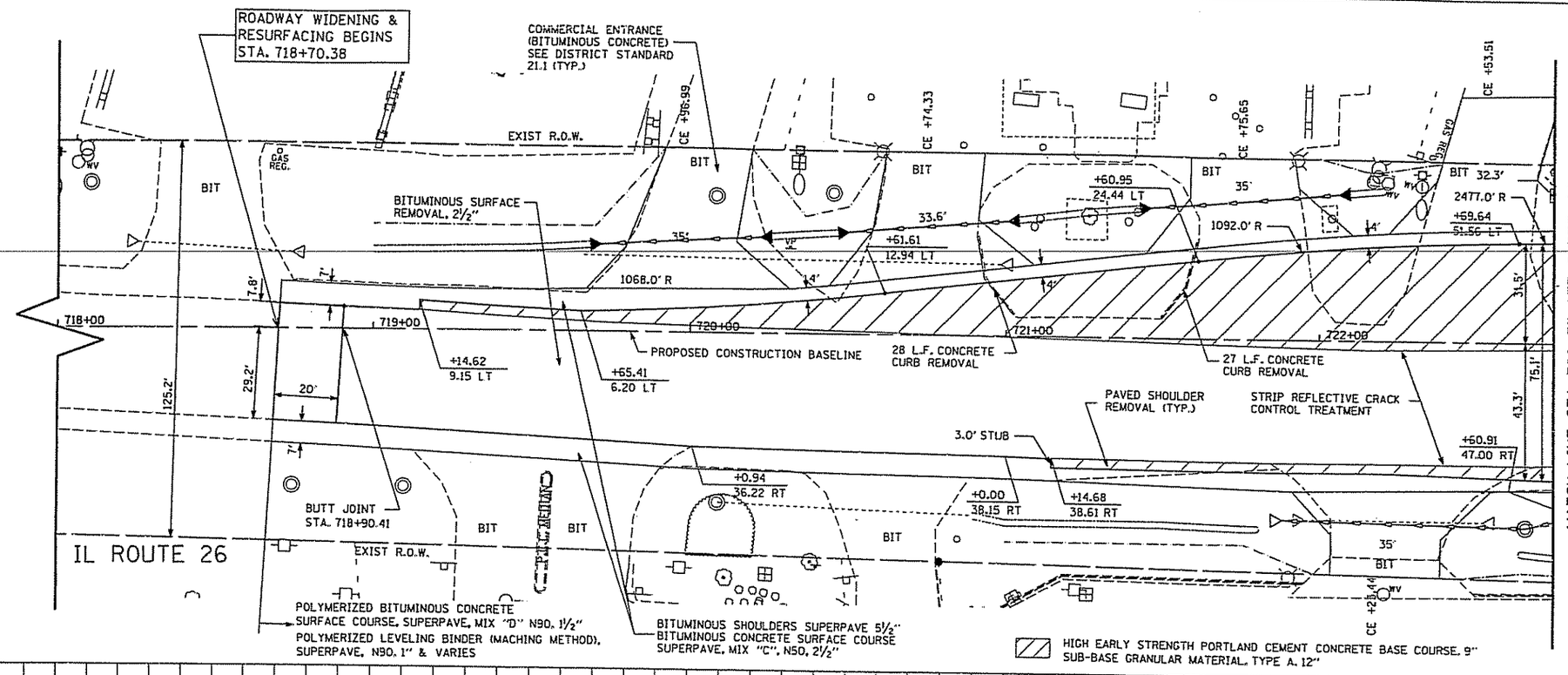
SCALE: VERT. 1" = 100'
HORIZ. 1" = 100'

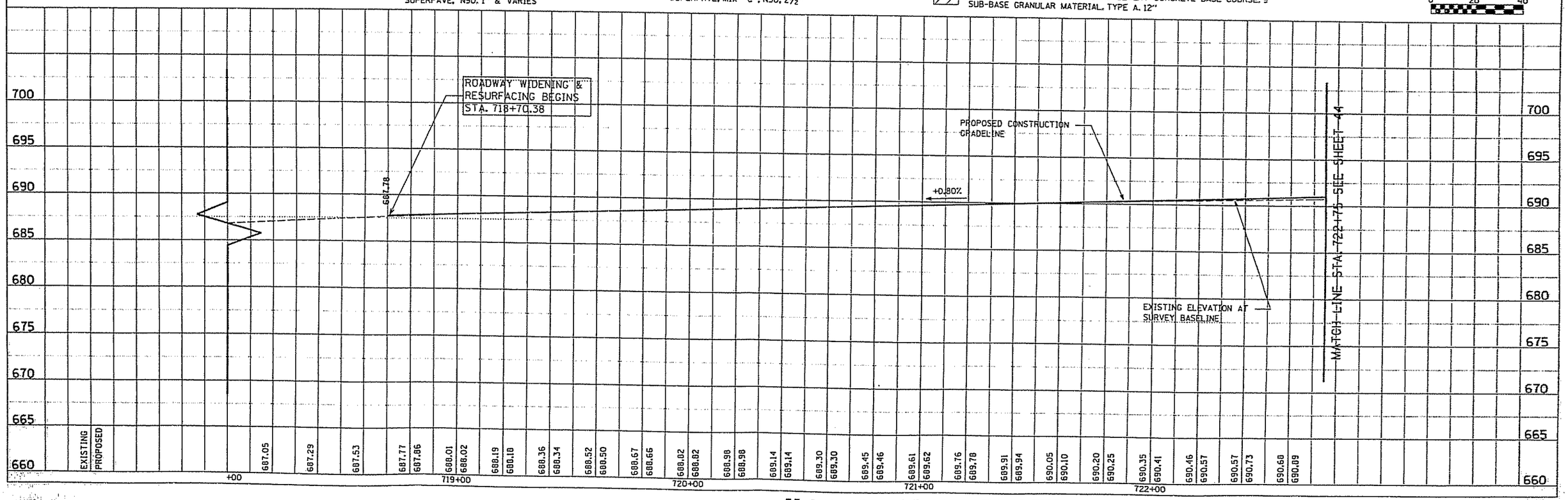
DATE DATE: 01-31-03

DRAWN BY:

CHECKED BY

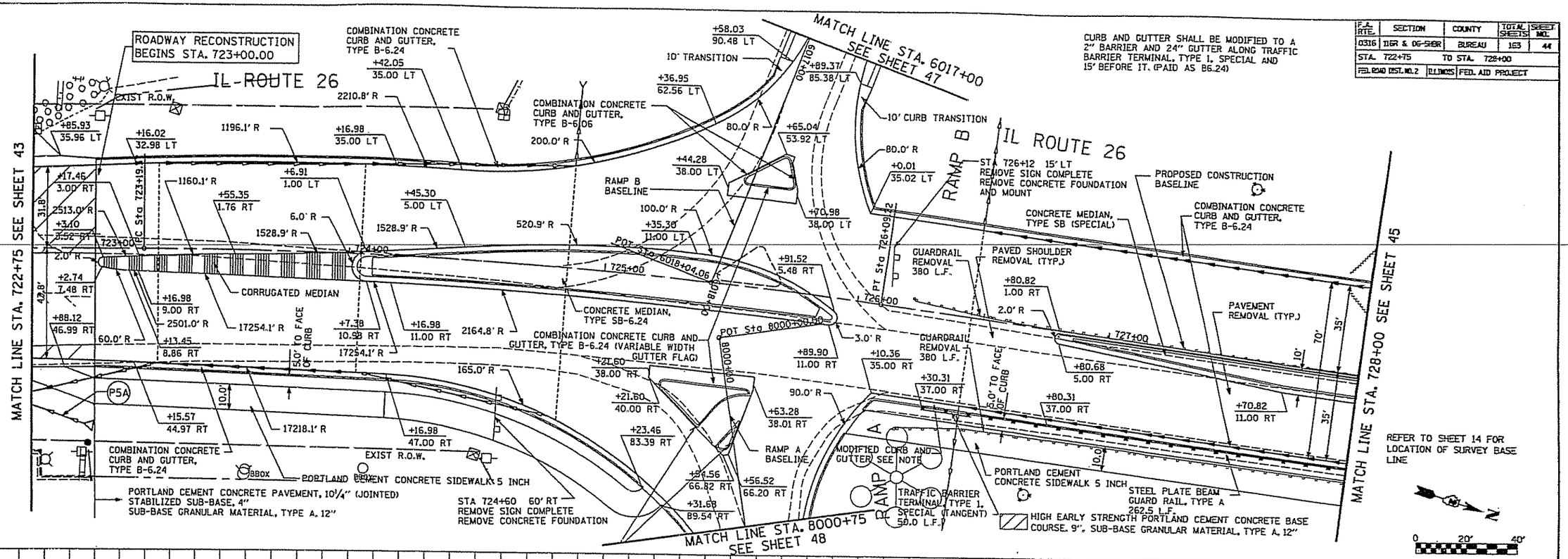
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0316	115R & 06-9BR	BUREAU	153	43
STA. 718+00	TO STA. 722+75			
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

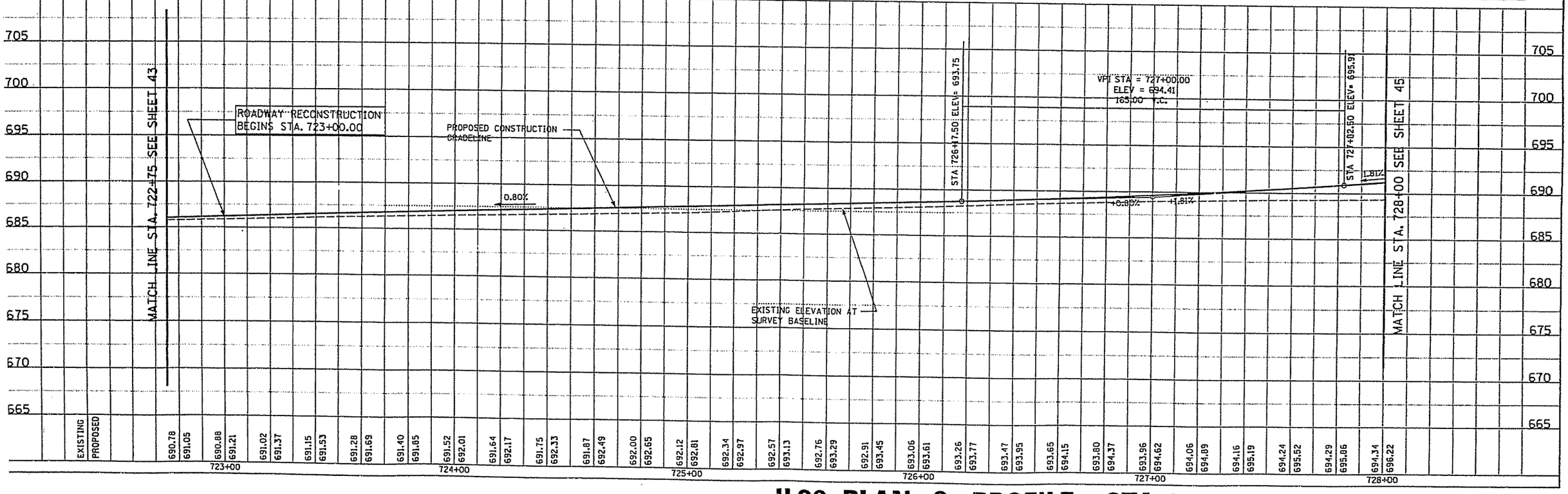




IL26 PLAN & PROFILE STA. 718+70.38 TO STA. 722+75

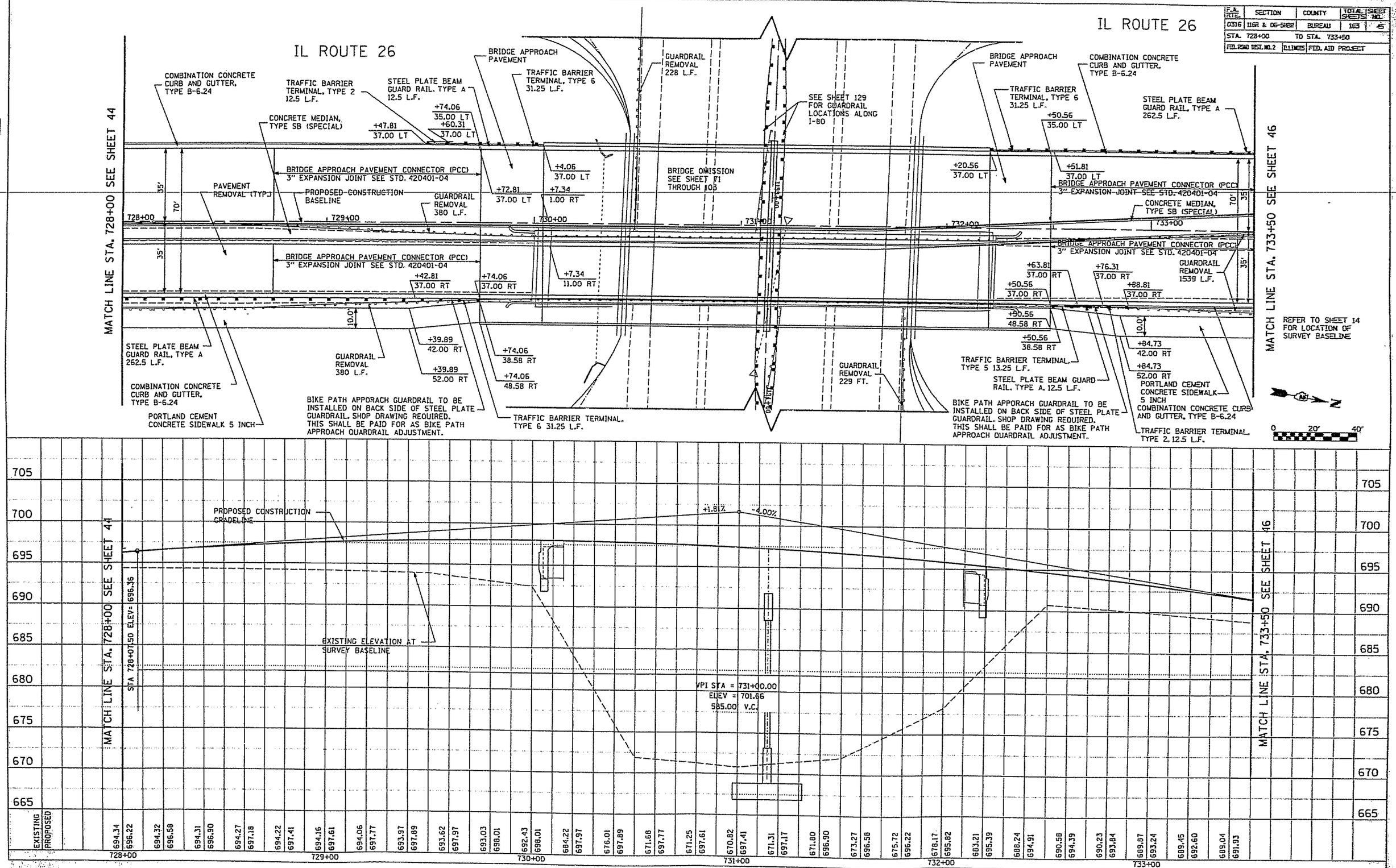
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0316	11GR & 06-5HBR	BUREAU	163	44
STA. 722+75		TO STA. 728+00		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		





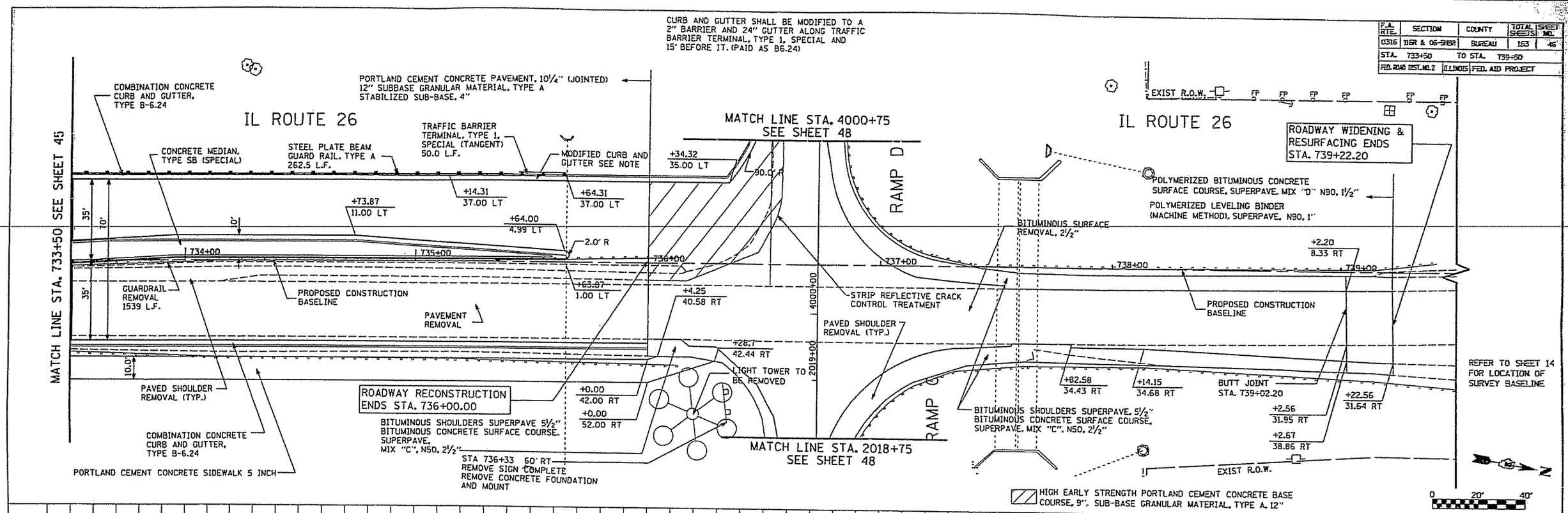
IL26 PLAN & PROFILE STA. 722+75 TO STA. 728+00

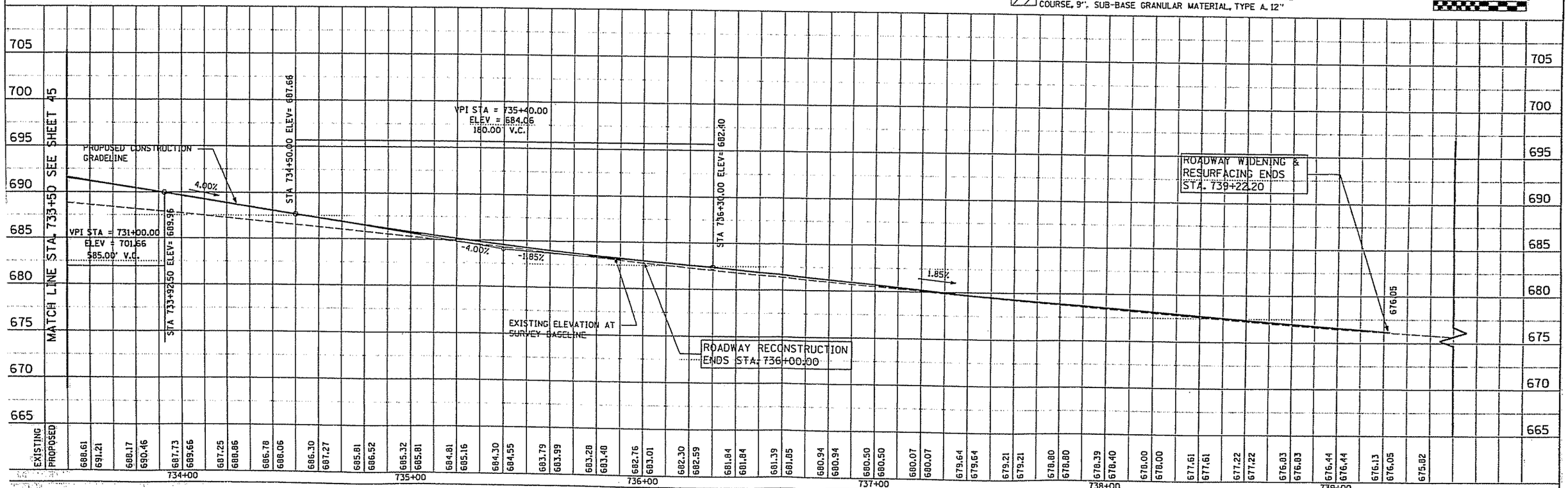
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0316	116R & 06-5B02	BUREAU	163	45
STA. 728+00		TO STA. 733+50		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		



IL26 PLAN & PROFILE STA. 728+00 TO STA. 733+50

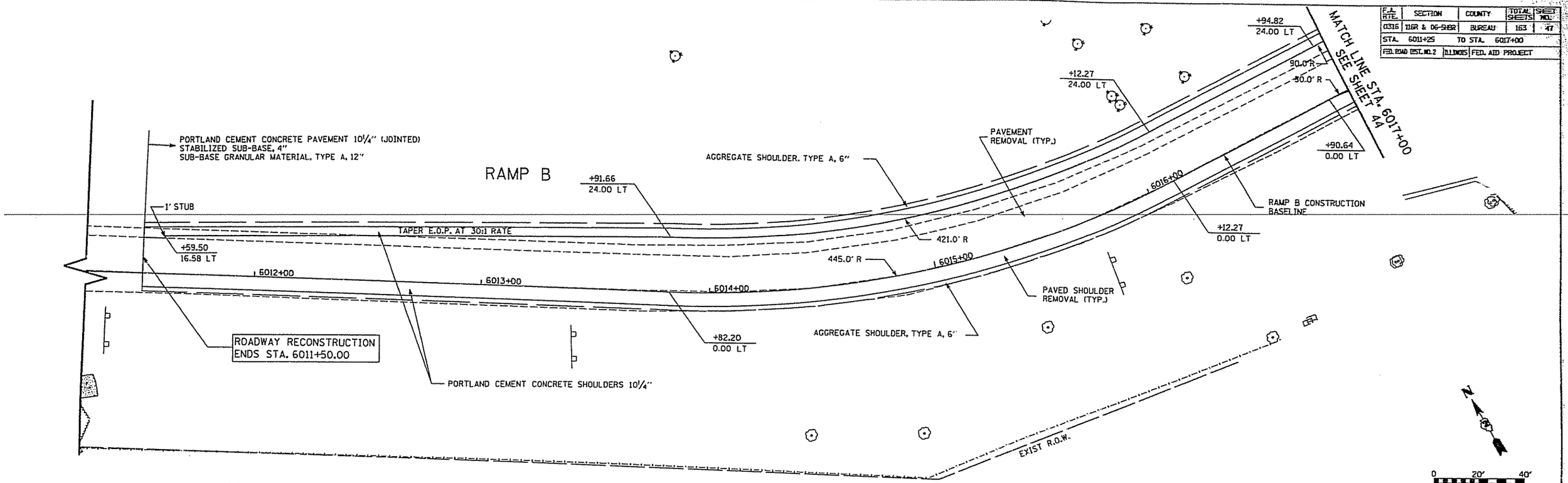
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0316	11GR & 06-SHER	BUREAU	153	46
STA. 733+50		TO STA. 739+50		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

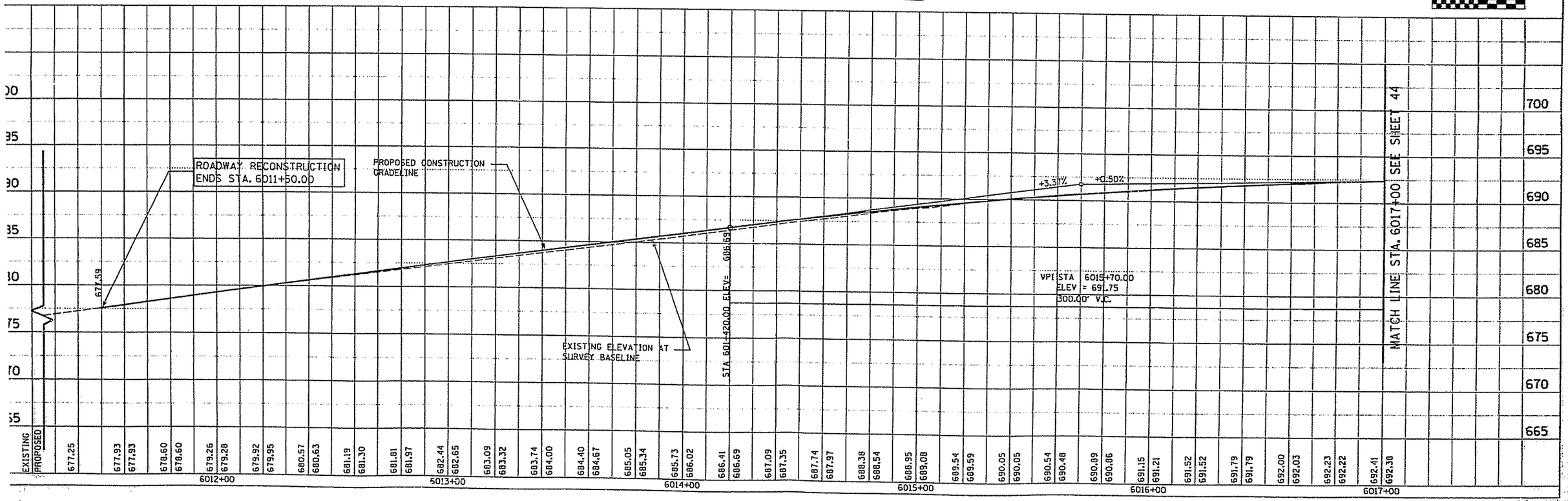




IL26 PLAN & PROFILE STA. 733+50 TO STA. 739+50

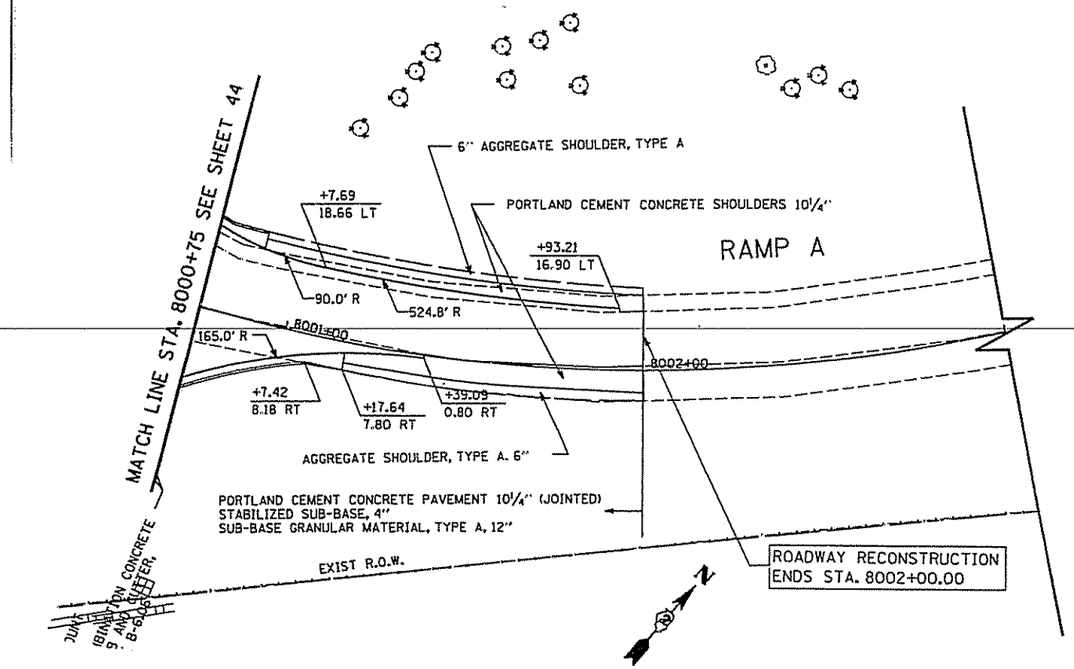
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0316	11GR & 06-5HBR	BUREAU	163	47
STA. 6011+25		TO STA. 6017+00		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

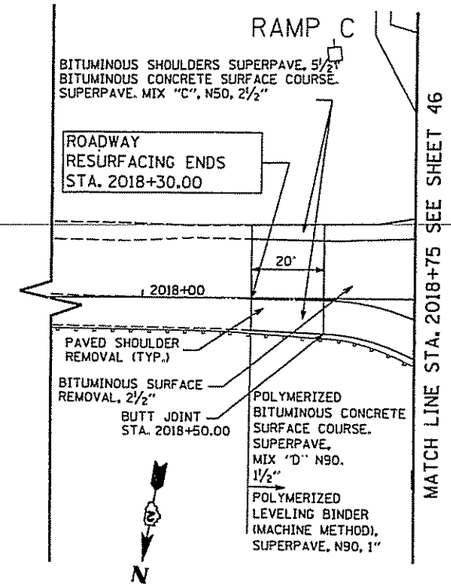


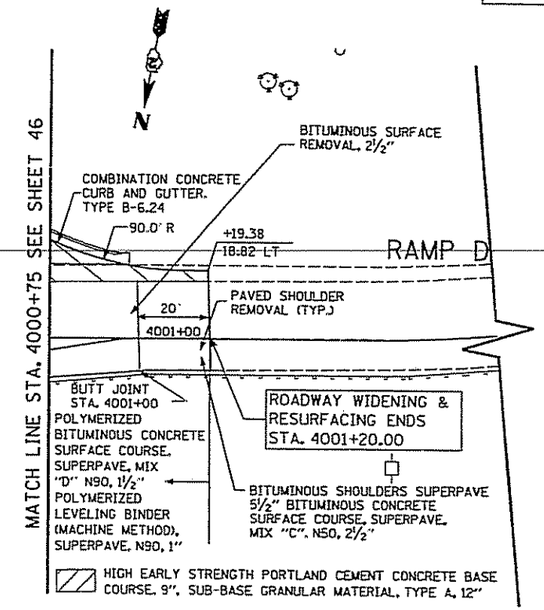


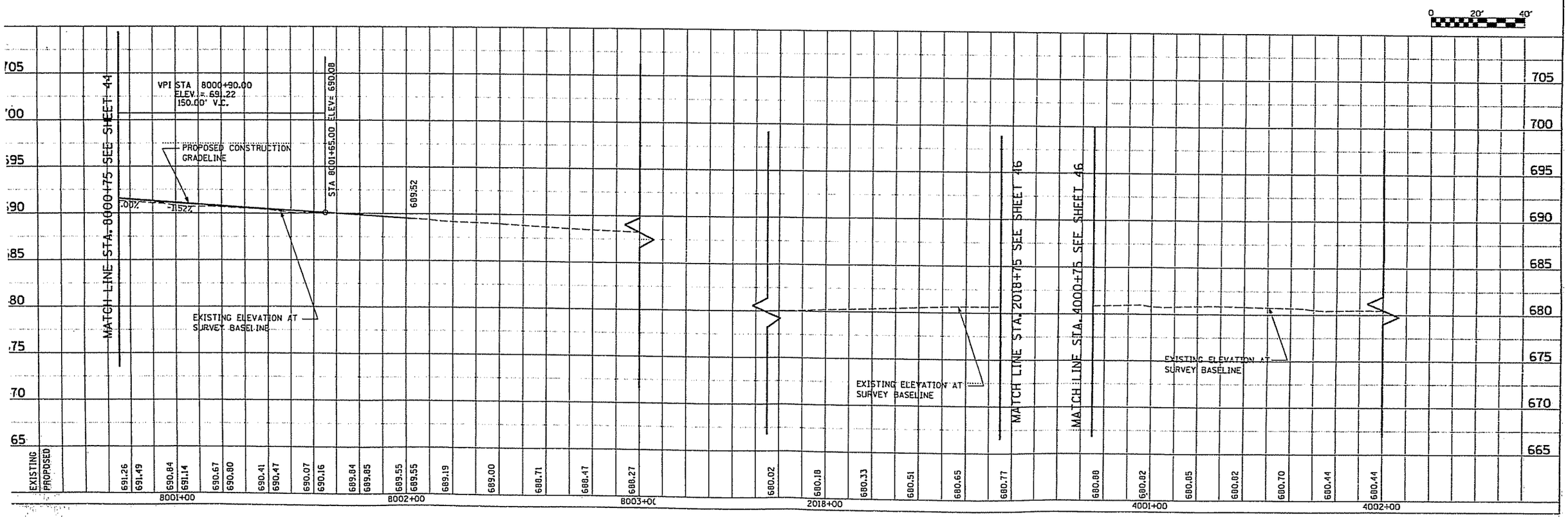
RAMP B PLAN & PROFILE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0316	11GR & 06-5HBR	BUREAU	163	48
STA.	TO STA.			
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		



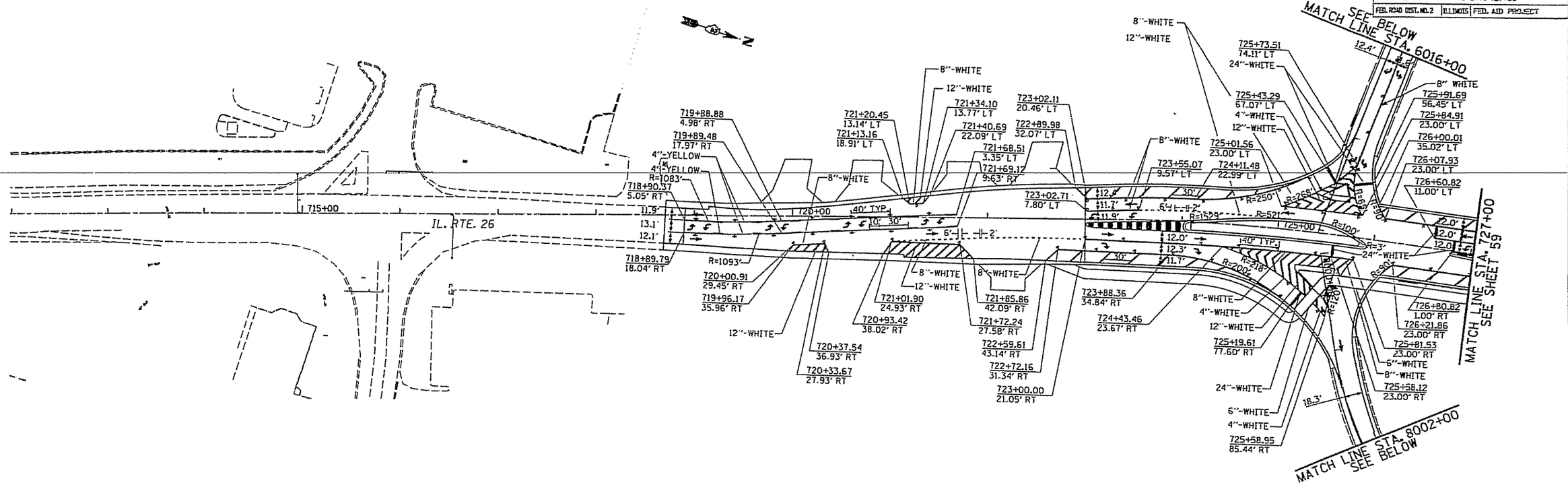


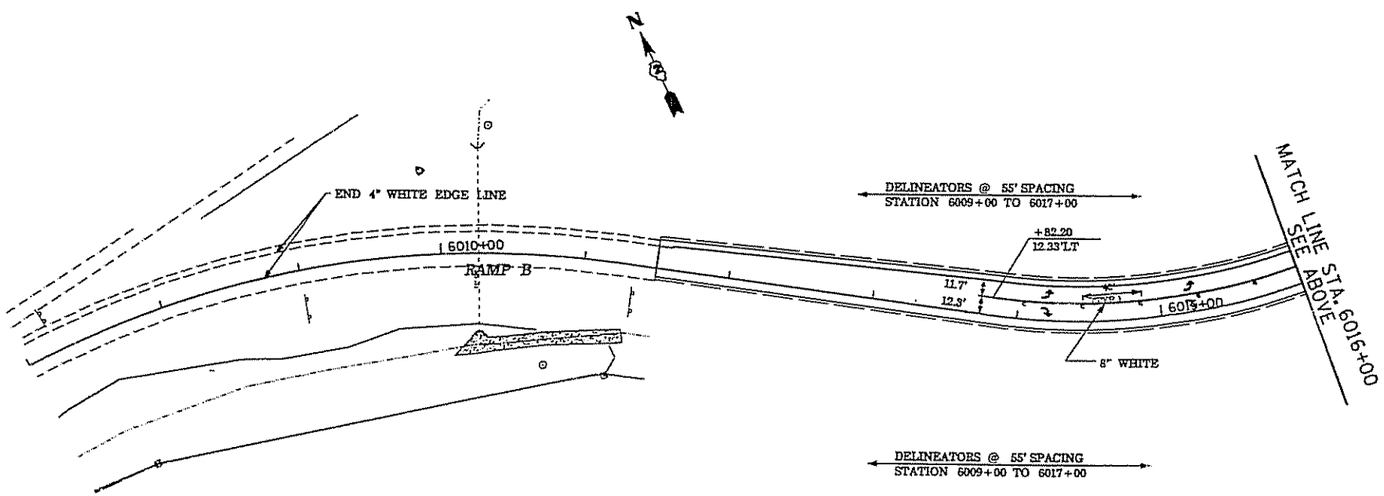


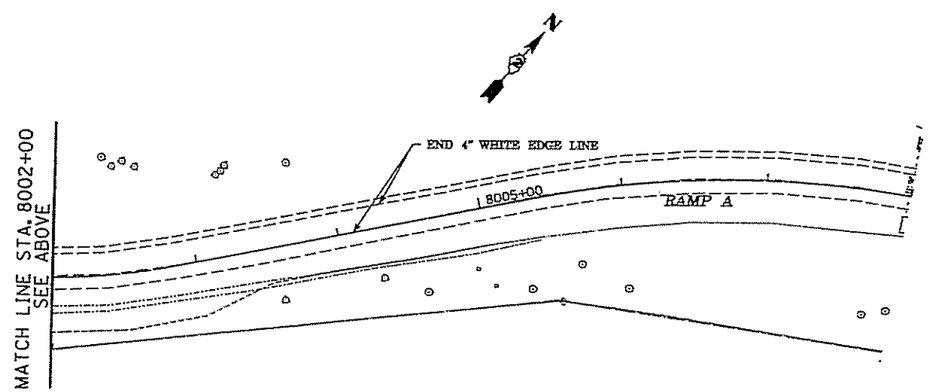


IL26 & I80 RAMPS PLAN & PROFILE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0316	116R & 06-5HBR	BUREAU	163	58
STA. 712+00		TO STA. 727+00		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		







0 50' 100'

TWO-WAY AMBER MARKER

ONE-WAY AMBER MARKER

ONE-WAY CRYSTAL MARKER

NOTES:

1. RAISED REFLECTIVE PAVEMENT MARKINGS ON IL. RTE. 26 SOUTH OF RAMP B AND ON RAMP B TO BE REMOVED AND REPLACED AS SHOWN.

2. RAISED REFLECTIVE PAVEMENT MARKINGS PER STANDARD 781001-02.

3. PROPOSED 4" WHIT EDGELINE ALONG EACH OUTSIDE EDGE OF PAVEMENT NOT SHOWN.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

IL ROUTE 26
WITH FAI 80 RAMPS A, B, C, & D

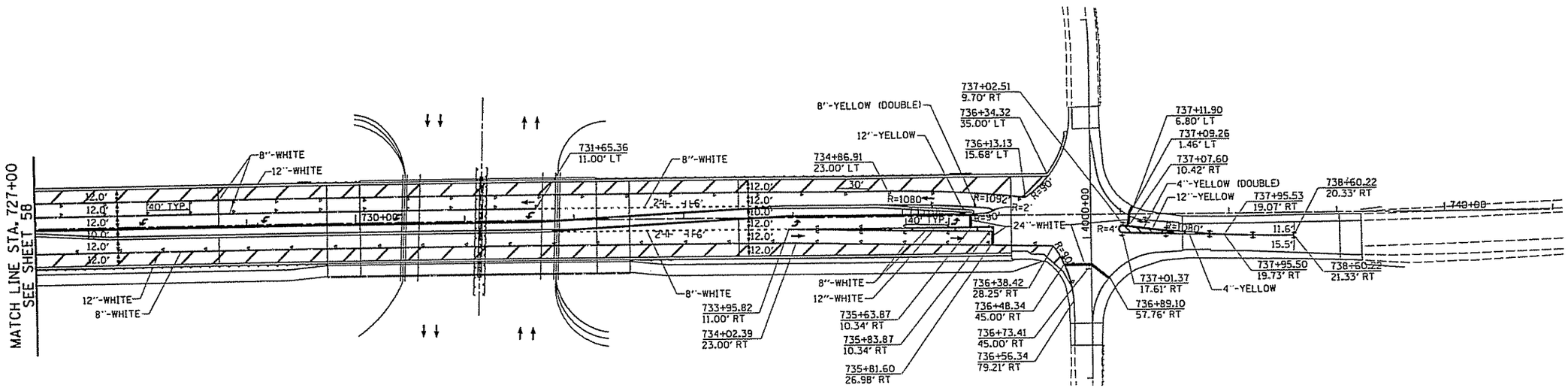
SCALE: VERT. HORIZ.

DATE: 01-31-03

DRAWN BY: W.B.

CHECKED BY: MPS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0316	115R & 06-5HBR	BUREAU	153	59
STA. 727+00		TO STA. 742+00		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		



0 50' 100'

TWO-WAY AMBER MARKER

ONE-WAY AMBER MARKER

ONE-WAY CRYSTAL MARKER

NOTES:

1. RAISED REFLECTIVE PAVEMENT MARKINGS ON IL. RTE. 26 SOUTH OF RAMP B AND ON RAMP B TO BE REMOVED AND REPLACED AS SHOWN.

2. RAISED REFLECTIVE PAVEMENT MARKINGS PER STANDARD 781001-02.

3. PROPOSED 4" WHITE EDGELINE ALONG EACH OUTSIDE EDGE OF PAVEMENT NOT SHOWN.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

IL ROUTE 26

WITH FAI 80 RAMPS A, B, C, & D

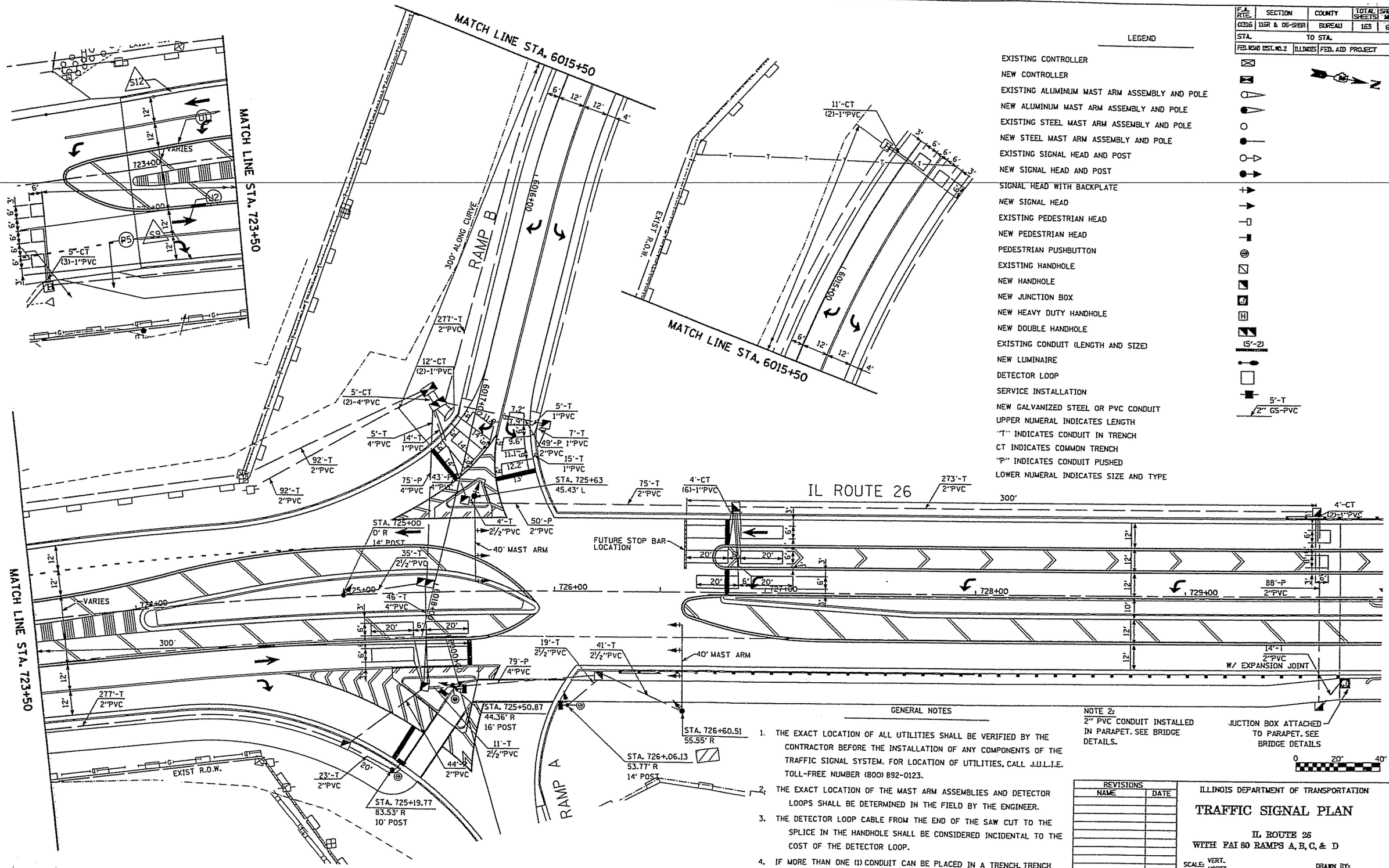
SCALE: VERT. HORIZ.

DATE: 01-31-03

DRAWN BY: W.B.

CHECKED BY: MRS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0316	116R & DS-5R8R	BUREAU	163	64
STA.		TO STA.		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		



LEGEND

- EXISTING CONTROLLER
- NEW CONTROLLER
- EXISTING ALUMINUM MAST ARM ASSEMBLY AND POLE
- NEW ALUMINUM MAST ARM ASSEMBLY AND POLE
- EXISTING STEEL MAST ARM ASSEMBLY AND POLE
- NEW STEEL MAST ARM ASSEMBLY AND POLE
- EXISTING SIGNAL HEAD AND POST
- NEW SIGNAL HEAD AND POST
- SIGNAL HEAD WITH BACKPLATE
- NEW SIGNAL HEAD
- EXISTING PEDESTRIAN HEAD
- NEW PEDESTRIAN HEAD
- PEDESTRIAN PUSHBUTTON
- EXISTING HANDHOLE
- NEW HANDHOLE
- NEW JUNCTION BOX
- NEW HEAVY DUTY HANDHOLE
- NEW DOUBLE HANDHOLE
- EXISTING CONDUIT (LENGTH AND SIZE) — (5'-2)
- NEW LUMINAIRE
- DETECTOR LOOP
- SERVICE INSTALLATION
- NEW GALVANIZED STEEL OR PVC CONDUIT — 5'-T / 2" GS-PVC

UPPER NUMERAL INDICATES LENGTH
"T" INDICATES CONDUIT IN TRENCH
CT INDICATES COMMON TRENCH
"P" INDICATES CONDUIT PUSHED
LOWER NUMERAL INDICATES SIZE AND TYPE

GENERAL NOTES

1. THE EXACT LOCATION OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR LOCATION OF UTILITIES, CALL J.U.L.I.E. TOLL-FREE NUMBER (800) 892-0123.
2. THE EXACT LOCATION OF THE MAST ARM ASSEMBLIES AND DETECTOR LOOPS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
3. THE DETECTOR LOOP CABLE FROM THE END OF THE SAW CUT TO THE SPLICE IN THE HANDHOLE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE DETECTOR LOOP.
4. IF MORE THAN ONE (1) CONDUIT CAN BE PLACED IN A TRENCH, TRENCH AND BACKFILL SHALL BE PAID FOR ONLY ONCE.

NOTE 2:
2" PVC CONDUIT INSTALLED IN PARAPET. SEE BRIDGE DETAILS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN

IL ROUTE 26
WITH FAI 80 RAMPS A, B, C, & D

SCALE: VERT. HORIZ.
DATE: 01-31-03
DRAWN BY:
CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0316	115R & 06-5HBR	BUREAU	153	65
STA.	TO STA.			
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

1. THE EXACT LOCATION OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR LOCATION OF UTILITIES, CALL J.U.L.I.E. TOLL-FREE NUMBER (800) 892-0123.
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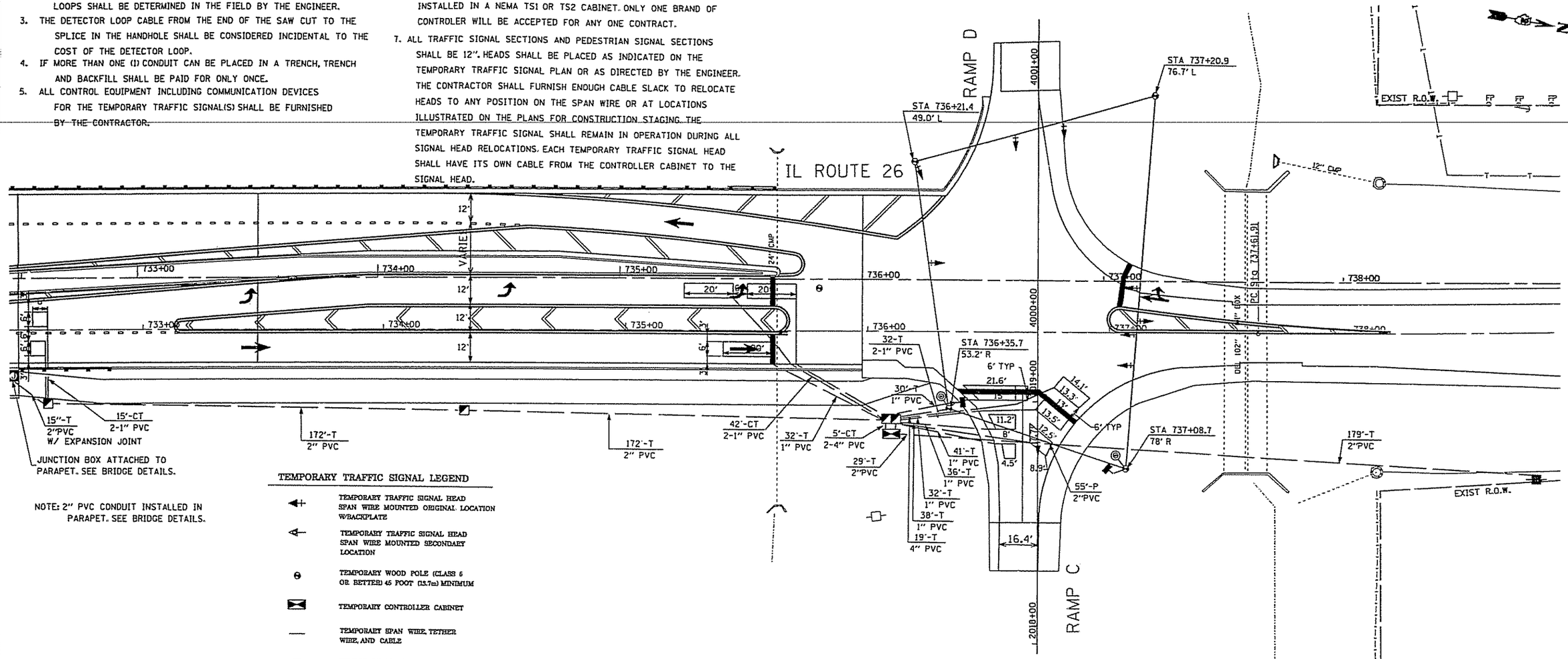
5. ALL CONTROL EQUIPMENT INCLUDING COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
6. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR MICROPROCESSOR BASE WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1 INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
7. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12". HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
8. CONTRACTOR SHALL PROVIDE AN ADDITIONAL 100' OF CABLE ON THE POLES PER EACH SIGNAL HEAD FOR FUTURE STAGING.



NOTE: 2" PVC CONDUIT INSTALLED IN PARAPET. SEE BRIDGE DETAILS.

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION W/BACKPLATE
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION
- TEMPORARY WOOD POLE (CLASS 6 OR BETTER) 45 FOOT (13.7m) MINIMUM
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY PEDESTRAIN SIGNAL HEAD, BRACKET MOUNTED
- MICROWAVE VEHICLE SENSOR
- PEDESTRIAN PUSHBUTTON DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- CT — COMMON TRENCH
- UD — UNIT DUCT
- G.S. CONDUIT IN TRENCH OR PUSHED
- HANDHOLE
- HEAVY DUTY HANDHOLE
- EXISTING CONDUIT

NOTE:
THE FOLLOWING ITEMS SHALL BE CONSIDERED INCLUDED IN THE COST OF ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION":
TRAFFIC SIGNAL HEADS
TRAFFIC SIGNAL BACKPLATES
PEDESTRIAN SIGNAL HEAD
PEDESTRAIN PUSHBUTTONS
WOOD POLES
ALL AERIAL CABLE
SPAN WIRE
TETHER WIRE

0 20' 40'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN

IL RTE 26
WITH FAI 80 RAMPS C, & D

SCALE: VERT. HORIZ.
DATE: 01-31-03
DRAWN BY:
CHECKED BY:

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0316	11GR & 06-5HBR	BUREAU	153	66
STA.		TO STA.		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

1. THE EXACT LOCATION OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR LOCATION OF UTILITIES, CALL J.U.L.I.E. TOLL-FREE NUMBER (800) 892-0123.
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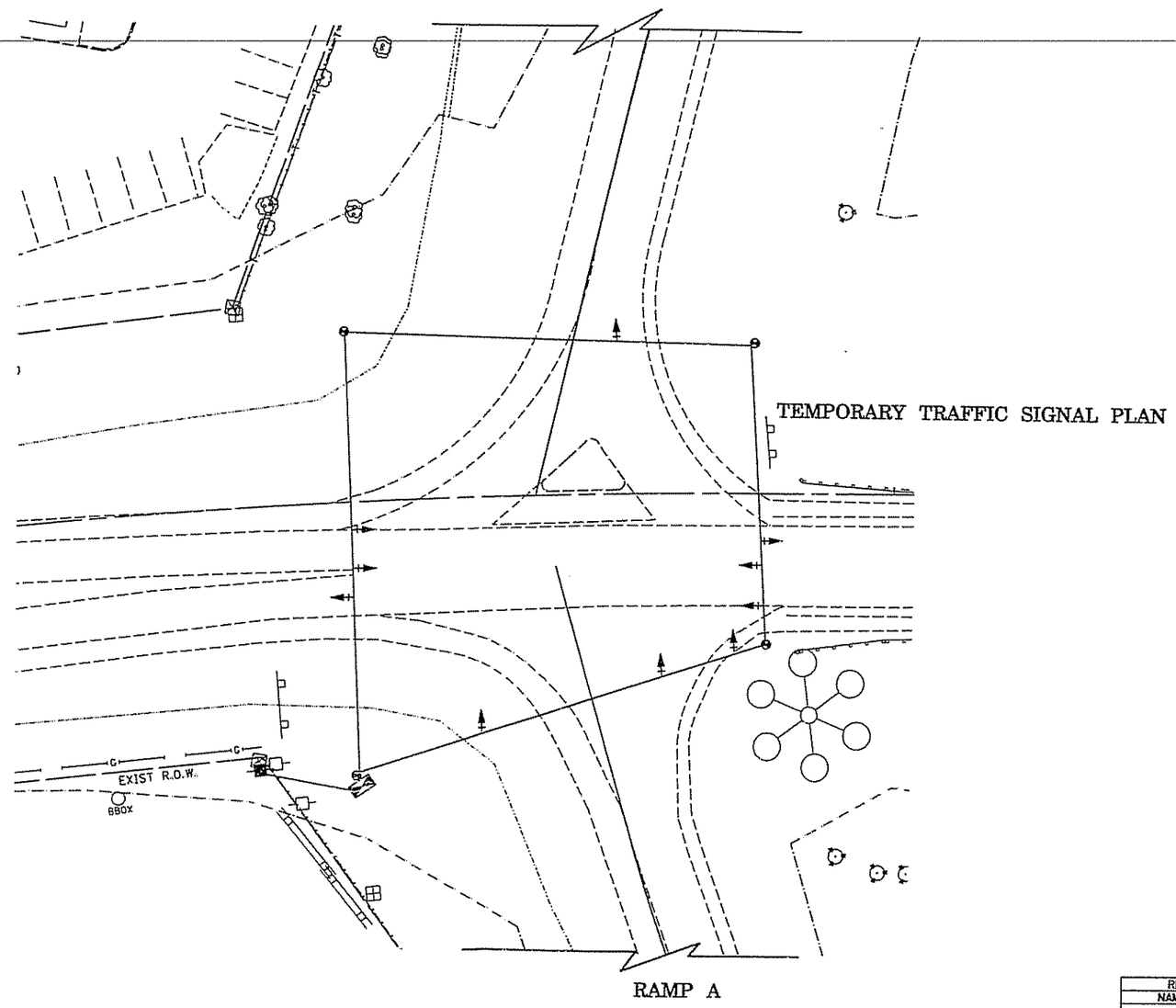
8. CONTRACTOR SHALL PROVIDE AN ADDITIONAL 100' OF CABLE ON THE POLES PER EACH SIGNAL HEAD FOR FUTURE STAGING.

TRAFFIC SIGNAL PLAN



TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION W/BACKPLATE
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY PEDESTRAIN SIGNAL HEAD, BRACKET MOUNTED
- MICROWAVE VEHICLE SENSOR
- PEDESTRIAN PUSHBUTTON DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- CT — COMMON TRENCH
- UD — UNIT DUCT
- G.S. CONDUIT IN TRENCH OR PUSHED
- HANDHOLE
- H — HEAVY DUTY HANDHOLE
- EXISTING CONDUIT

0 20' 40'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN

IL ROUTE 26
WITH FAI 80 RAMPS A & B

SCALE: VERT. HORIZ.

DATE: 01-31-03

DRAWN BY:

CHECKED BY

Bench Mark: Chiseled "□" N.W. wingwall S.N. 006-0080 Elev. 692.01

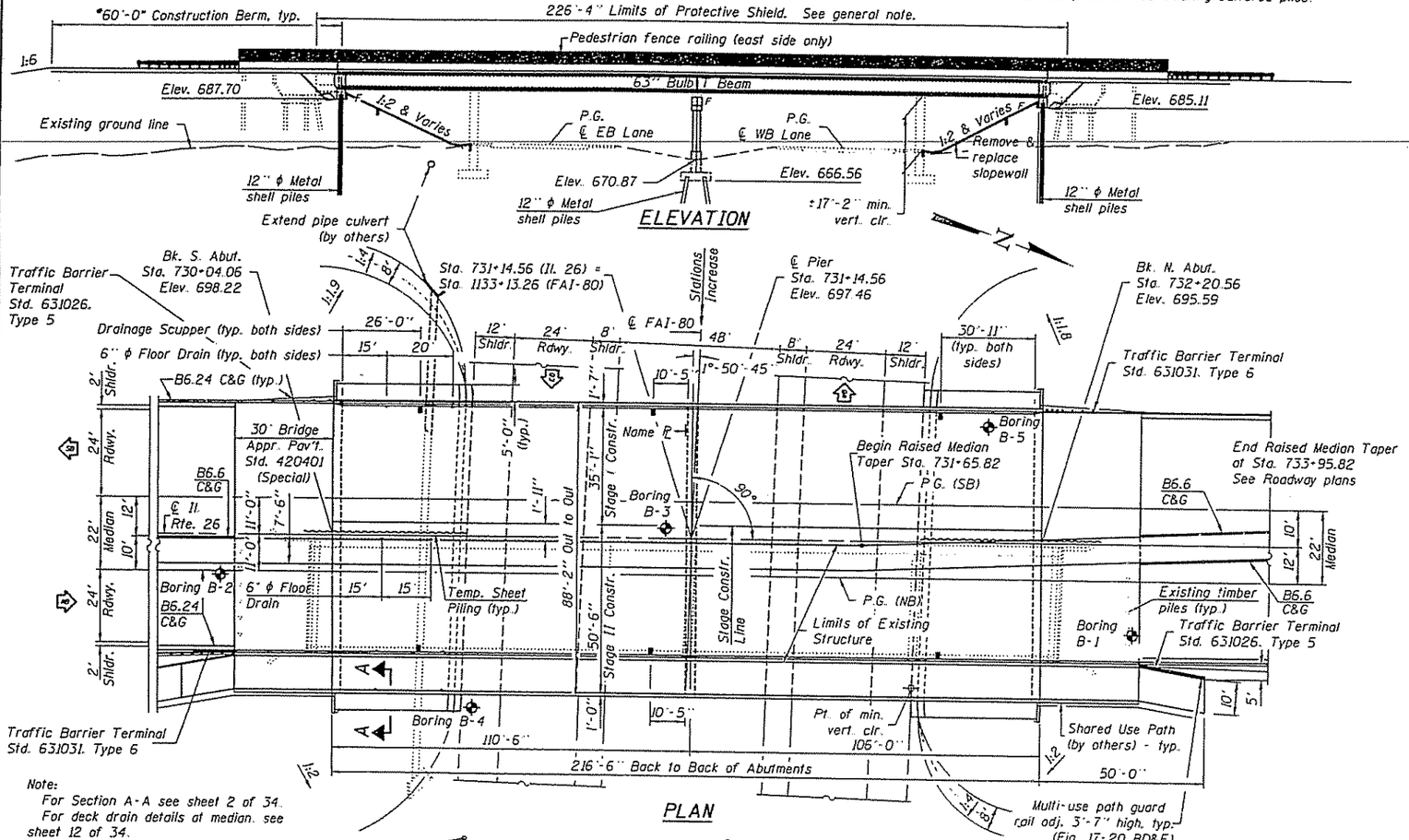
Existing Structure: S.N. 006-0080 Built in 1963 as S.B.I. Rt. 89 (Il. Rt. 26) Section 06-5HB at Sta. 100+00.68.
The existing structure is a 4 span continuous WF supported on spill-thru pile bent abuts. & hammer head piers.
The existing structure is to be removed and replaced by S.N. 006-0162.
Two way traffic will be maintained on the existing structure for Stage I construction. Two way traffic will be maintained on the completed Stage I Construction, for Stage II & raised median construction.
No salvage

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
F.A.I. 80	06-5HBR	BUREAU	163	71	SHEET NO. 1
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		34 SHEETS

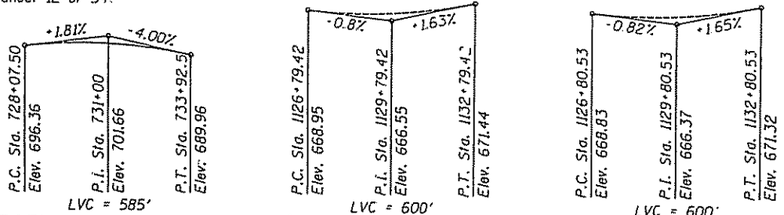
*For west side of abutments only (Stage I Construction)

Note: Space new abutment piles to miss existing battered piles.



Note:
For Section A-A see sheet 2 of 34.
For deck drain details at median, see sheet 12 of 34.

PLAN



PROFILE GRADE (Il. 26)
(along edge of median)

PROFILE GRADE (I-80)
(along ℄ EB lanes)

PROFILE GRADE (I-80)
(along ℄ WB lanes)

DESIGNED	
CHECKED	hfp
DRAWN	M.B.M. / R.T.D.
CHECKED	TRB / MJT

March 19, 2003
EXAMINED — ENGINEER OF BRIDGE DESIGN
PASSED — ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS — STEVE ANDERSON — 061-004625 — SPRINGFIELD — LICENSED STRUCTURAL ENGINEER

Expires 11-30-2004

STATION 731+14.56
BUILT 200 BY
STATE OF ILLINOIS
F.A.I. RT. 80 - SEC. 06-5HBR
LOADING HS20-44
STR. NO. 006-0162

NAME PLATE
See Std. 515001.

GENERAL NOTES

Reinforcement bars shall conform to the requirements of AASHTO M 31, M 42 or M 53 Grade 60.

Slope wall shall be reinforced with welded wire fabric. 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

The Contractor shall drive 1 test pile in a permanent location at each Substructure Unit as directed by the Engineer before ordering the remainder of piles.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

All construction joints shall be bonded.

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

The measured width of the Protective Shield shall be out to out of the existing deck. The length shall be from the existing north abutment to the existing south abutment, unless directed otherwise by the Engineer.

TOTAL BILL OF MATERIAL

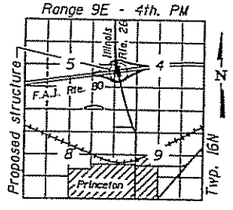
ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu. Yd.		567	567
Removal of Existing Structures	Each	1		1
Structure Excavation	Cu. Yd.		671	671
Floor Drains	Each	8		8
Concrete Structures	Cu. Yd.		252.3	252.3
Concrete Superstructure	Cu. Yd.	700.7		700.7
Bridge Deck Grooving	Sq. Yd.	1729		1729
Protective Coat	Sq. Yd.	2380		2380
Furnishing and Erecting Precast Prestressed Concrete Bulb T-Beams 63"	Foot	2572		2572
Reinforcement Bars, Epoxy Coated	Pound	141980	35990	177970
Slope Wall 4 Inch	Sq. Yd.		1005	1005
Furnishing Metal Pile Shells 12"	Foot		2704	2704
Driving and Filling Shells	Foot		2704	2704
Test Pile Metal Shells	Each		3	3
Temporary Sheet Piling	Sq. Ft.		420.5	420.5
Name Plates	Each	1		1
Bridge Fence Railing	Foot	272		272
Drainage Scuppers, DS 12	Each	3		3
Drainage Scuppers, DS 33	Each	3		3
Bar Splicers	Each	811	64	875
Parapet Railing	Foot	269		269
Protective Shield	Sq. Ft.	8072		8072

LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
1996 AASHTO with 1997 thru 2002 Interims

DESIGN STRESSES
FIELD UNITS
f'_c = 3,500 psi
f_y = 60,000 psi (reinforcement)
PRECAST PRESTRESSED UNITS
f'_c = 6,000 psi
f'_{ci} = 5,000 psi
f'_s = 270,000 psi (½" ϕ low lax strands)
f_{si} = 201,960 psi (½" ϕ low lax strands)

SEISMIC DATA
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 3.75%g
Site Coefficient (S) = 1.0



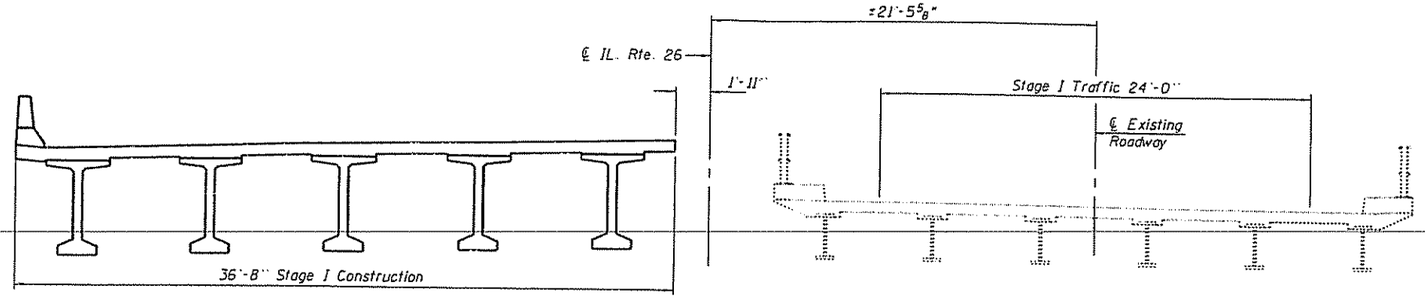
LOCATION SKETCH

GENERAL PLAN
ILLINOIS ROUTE 26 OVER
I-80 IN PRINCETON
F.A.I. ROUTE 80 - SECTION 06-5HBR
BUREAU COUNTY
STATION 731+14.56
STRUCTURE NO. 006-0162

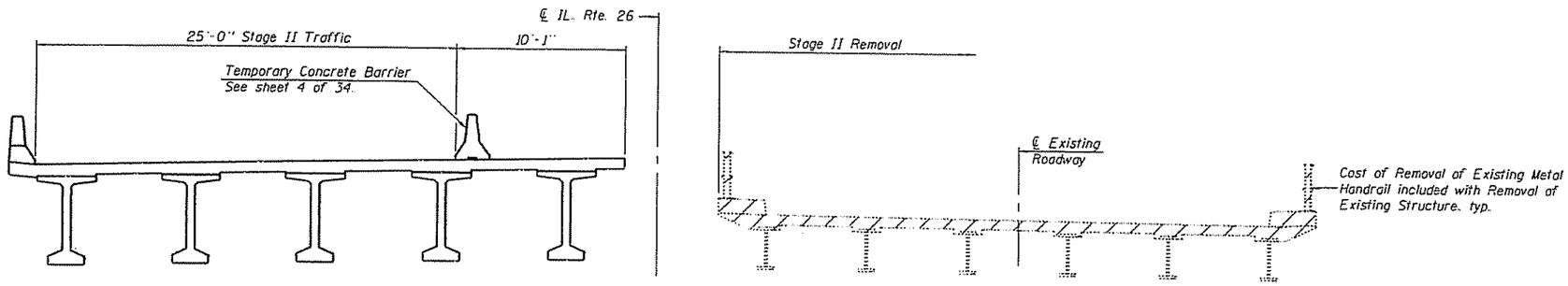
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	06-5HBR	BUREAU	163	73
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

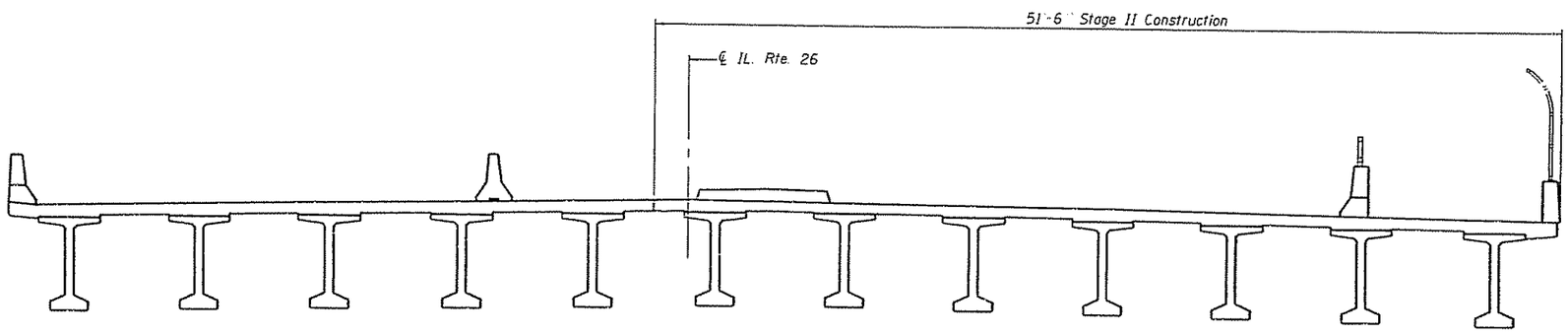
SHEET NO. 3
34 SHEETS



STAGE I CONSTRUCTION



STAGE II REMOVAL



STAGE II CONSTRUCTION

DESIGNED	T.R.B.
CHECKED	M.J.T. / T.R.B.
DRAWN	R.T.D. / M.B.M.
CHECKED	M.J.T. / T.R.B.

March 19, 2003
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Robert E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

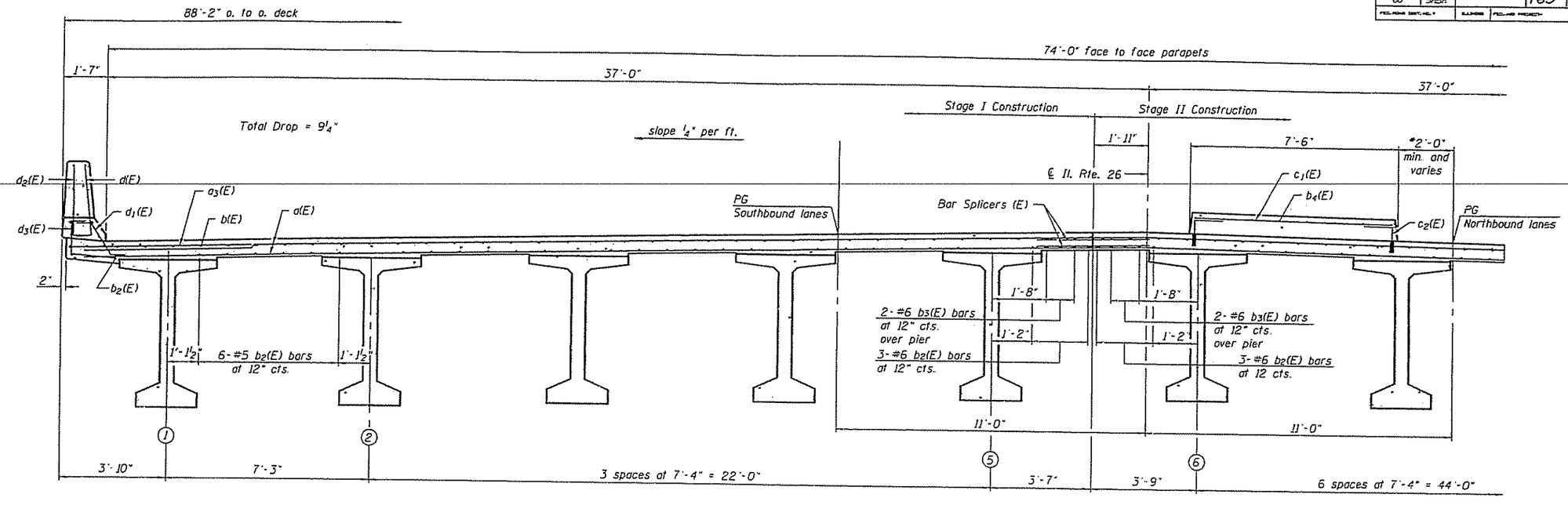
Notes:
All sections are looking North.
For quantity of Temporary Concrete Barrier, see roadway plans.
Hatched area indicates Removal of Existing Structures.

STAGE CONSTRUCTION DETAILS
F.A.I. ROUTE 80 - SECTION 06-5HBR
BUREAU COUNTY
STATION 731+14.56
STRUCTURE NO. 006-0162

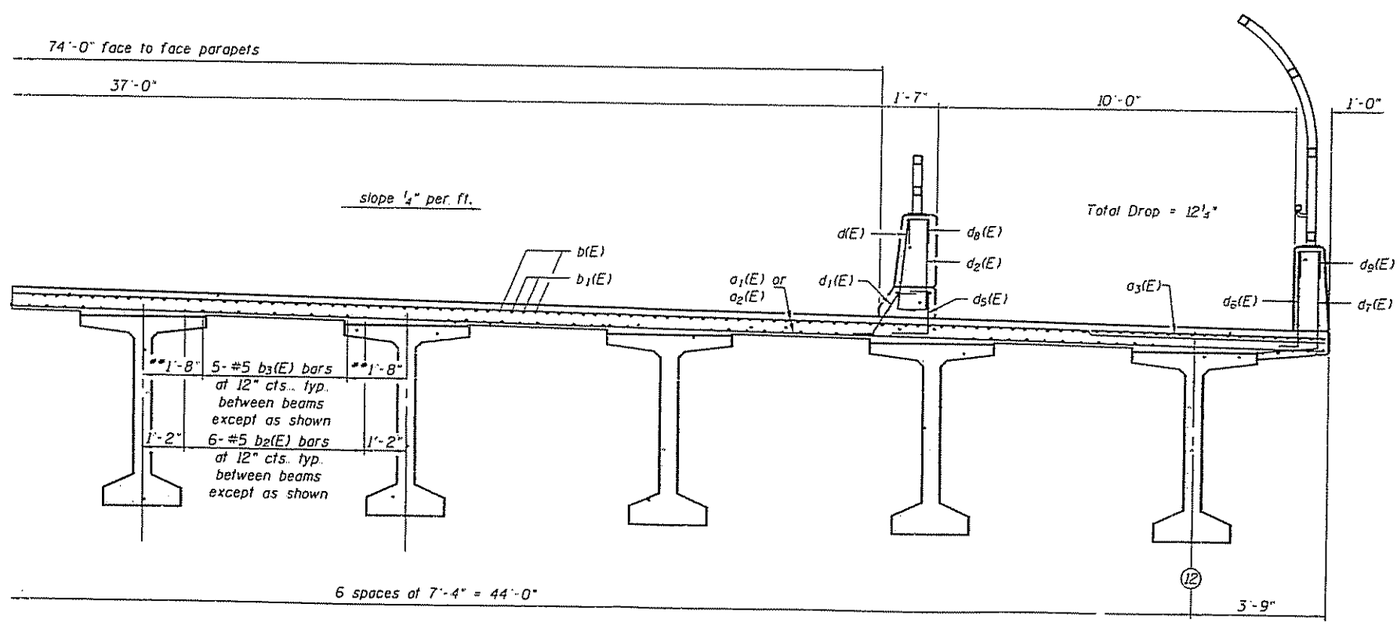
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	06-5HBR	BUREAU	163	79
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET NO. 9
34 SHEETS



NEAR MIDSPAN



* 2'-0" from Sta. 729+74.05 to Sta. 731+65.82 & varies from 2'-0" to 4'-7¼" from Sta. 731+65.82 to Sta. 732+50.56.

** 1'-7½" between beams 1 and 2

NEAR PIER

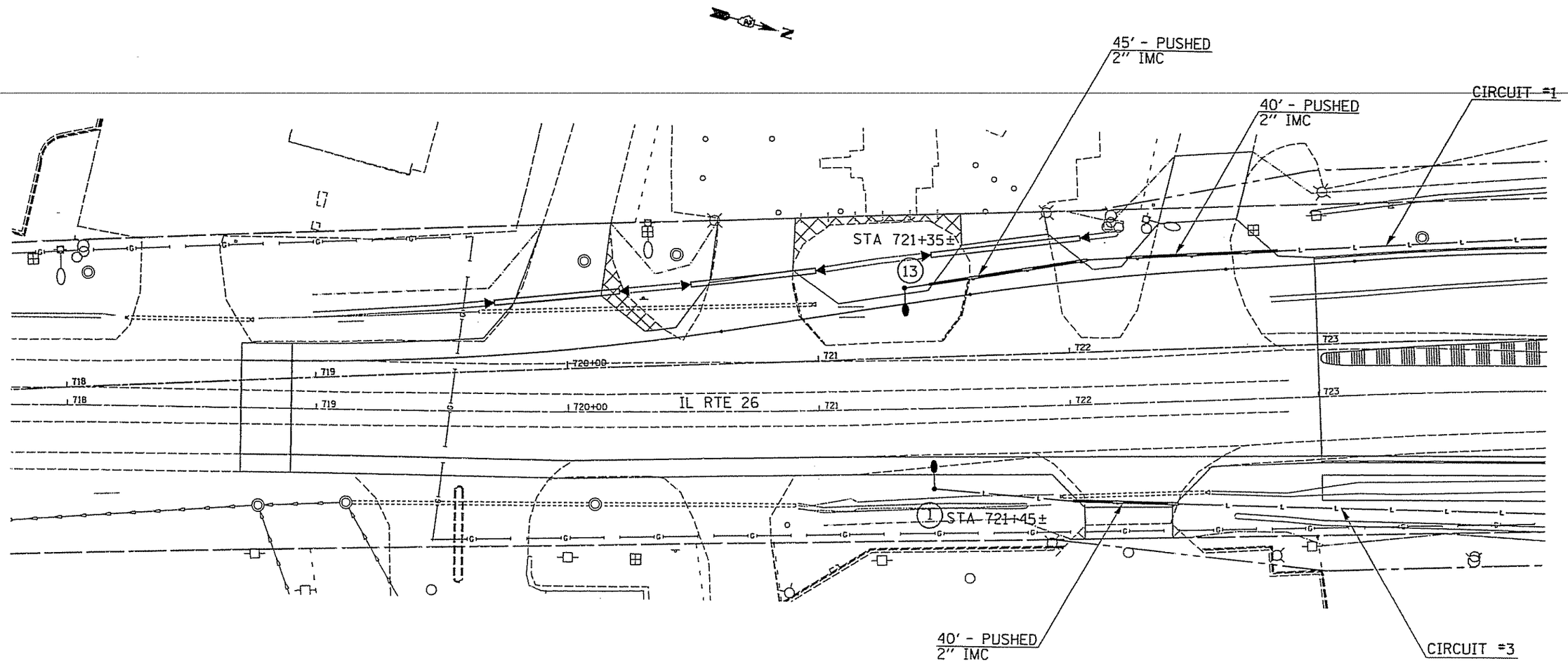
CROSS SECTION
(Looking North)

DESIGNED	T.R.B.
CHECKED	M.J.T. / T.R.B.
DRAWN	M.B.M.
CHECKED	M.J.T. / T.R.B.

March 19, 2003
EXAMINED Thomas J. Domagalski
ENGINEER OF STRUC. DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

SUPERSTRUCTURE
F.A.I. ROUTE 80 - SECTION 06-5HBR
BUREAU COUNTY
STATION 731+14.56
STRUCTURE NO. 006-0162

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	11GR&DS-5HBR	BUREAU	163	122
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



GALV. STEEL CONDUIT (IMC), PUSHED (SIZE AS SHOWN)

LIGHT POLE

UNDERPASS LUMINAIRES

[redacted]

[redacted]

— L — ELEC. BURIED CABLE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.

DATE

DRAWN BY

CHECKED BY

LIGHTING ALONG IL 26 OVER I80 PRINCETON

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	115R&D6-5HBR	BUREAU	163	115
STA.	TO STA.			
FED.ROAD DIST.NO.	ILLINOIS	FED. AID PROJECT		

GALV. STEEL CONDUIT (IMC), PUSHED (SIZE AS SHOWN)

LIGHT POLE

UNDERPASS LUMINAIRES

[redacted]

[redacted]

— L — ELEC. BURIED CABLE

N

CIRCUIT #2

40' - PUSHED
2" IMC

LIGHTING CONTROLLER
CB-RCS-100-480

CIRCUIT #1

STA 724+20± (12)

CIRCUIT #3

STA 726+95±
(11)

IL RTE 26

STA 726+95±
(3)

90' - PUSHED
2" IMC

CIRCUIT #3

(2)
STA 724+20±

REMOVE EXISTING
LIGHTING SYSTEM

CIRCUIT #3

40' - PUSHED
2" IMC

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.

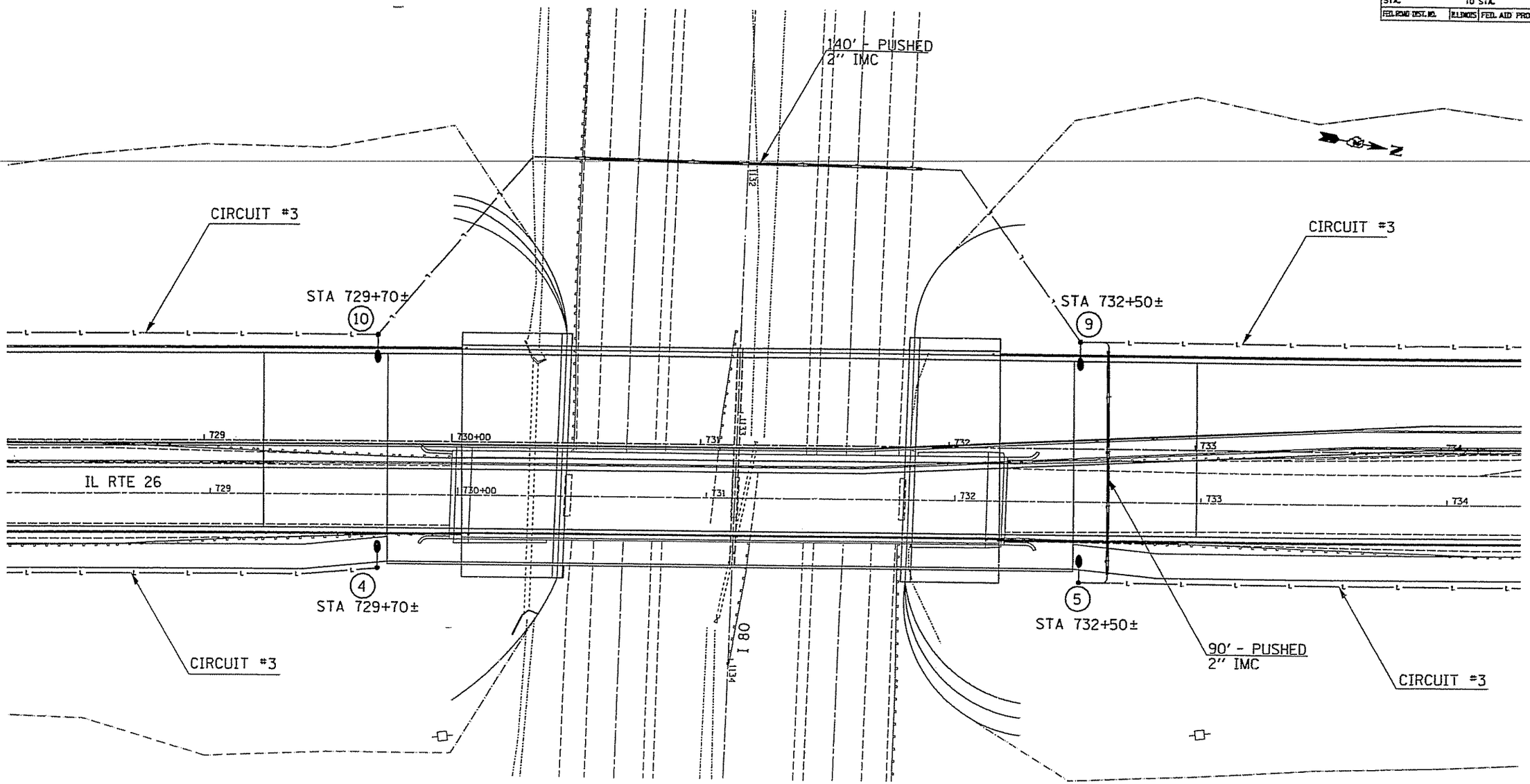
DATE

DRAWN BY

CHECKED BY

LIGHTING ALONG IL 26 OVER I80 PRINCETON

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	116R,L06-5,8R	BUREAU	183	154
STA.		TO STA.		
FED.ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



GALV. STEEL CONDUIT (IMC), PUSHED (SIZE AS SHOWN)

LIGHT POLE

UNDERPASS LUMINAIRES

[redacted]

[redacted]

— L — ELEC. BURIED CABLE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.

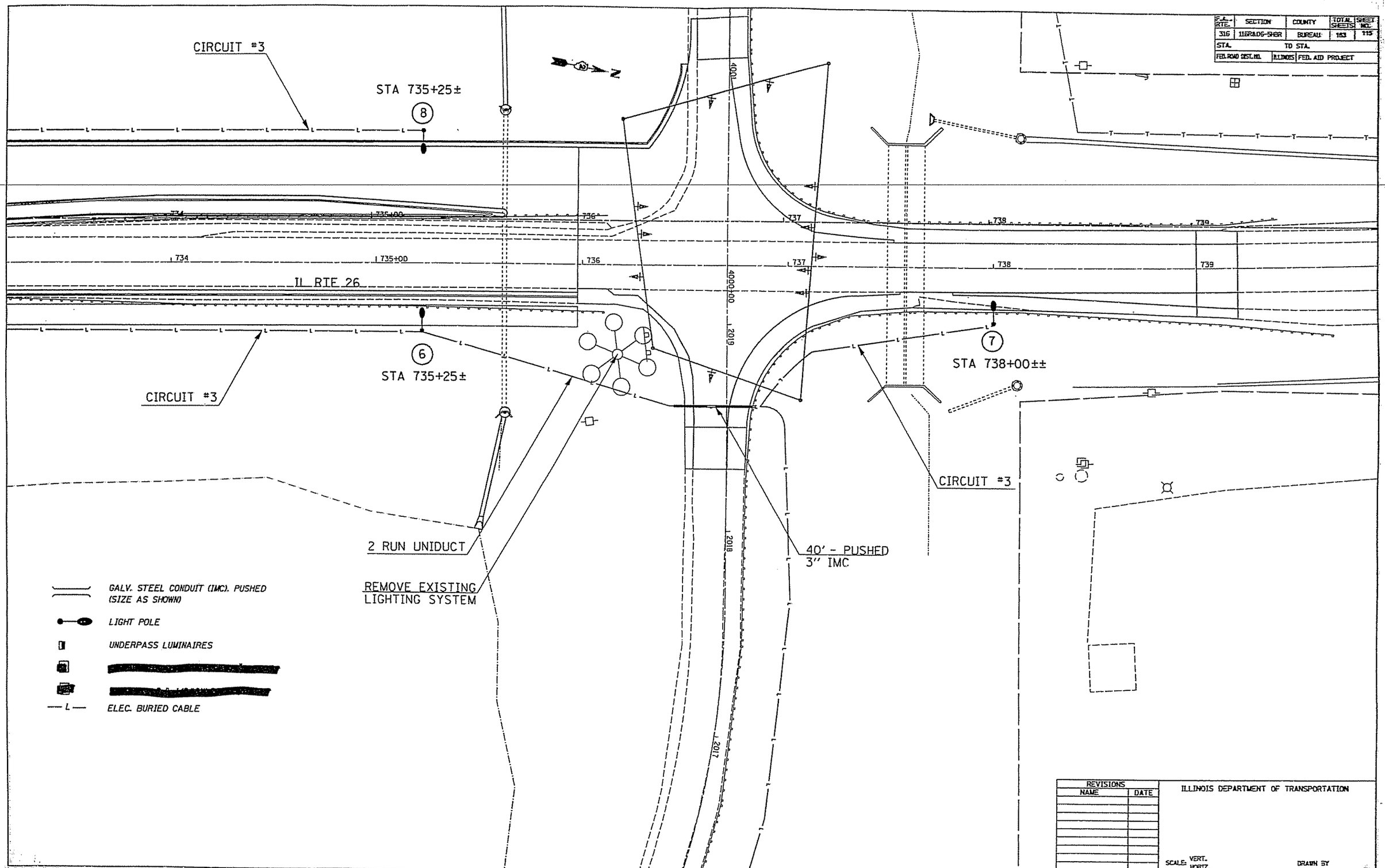
DATE

DRAWN BY

CHECKED BY

LIGHTING ALONG IL 26 OVER I80 PRINCETON

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	116R,L,OS-5HBR	BUREAU	163	115
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.

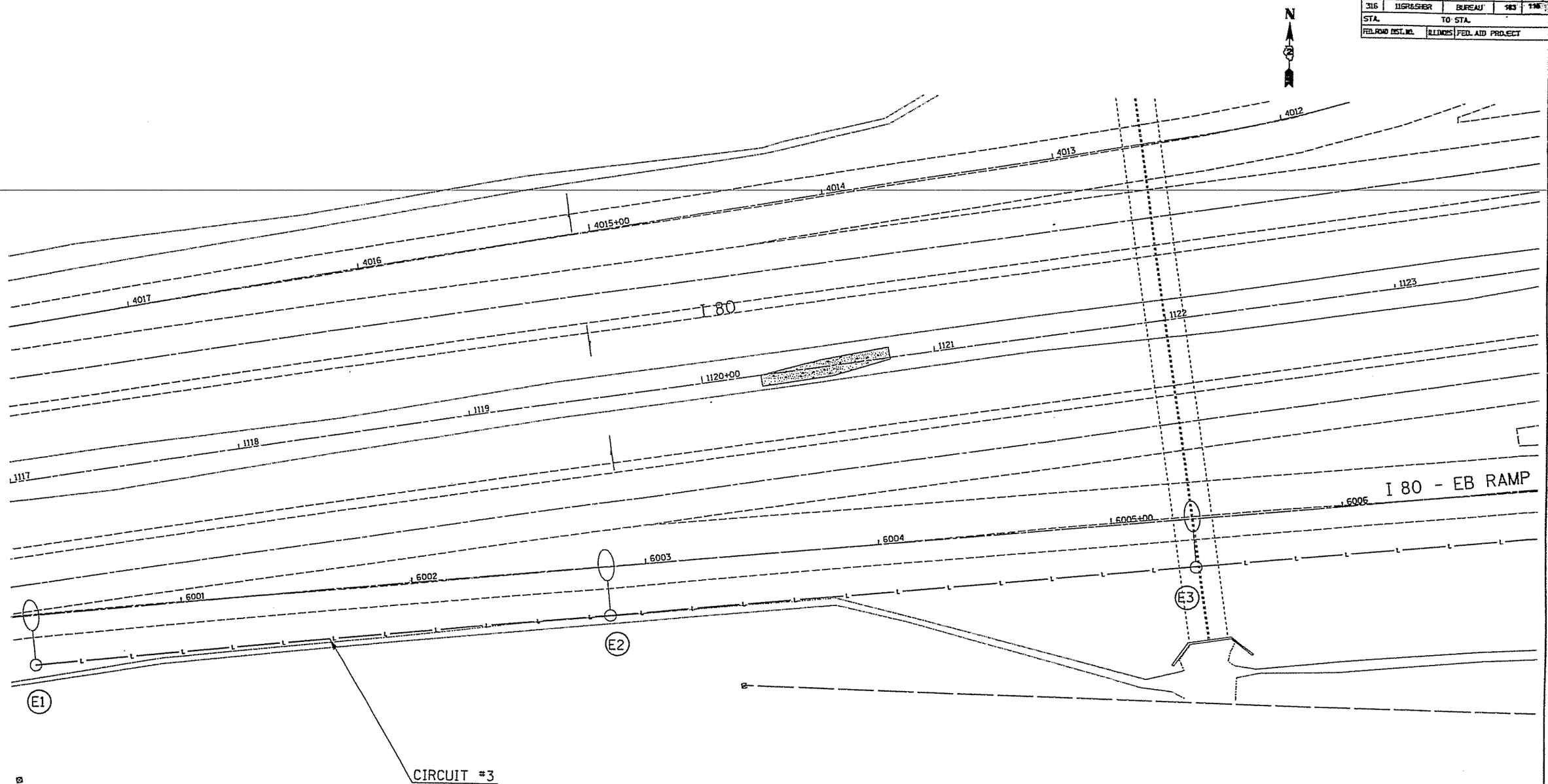
DATE

DRAWN BY

CHECKED BY

LIGHTING ALONG IL 26 OVER I80 PRINCETON

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	115(R&S)HBR	BUREAU	183	116
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.

DATE

DRAWN BY

CHECKED BY

LIGHTING ALONG IL26 OVER I80 PRINCETON EAST BOUND RAMP