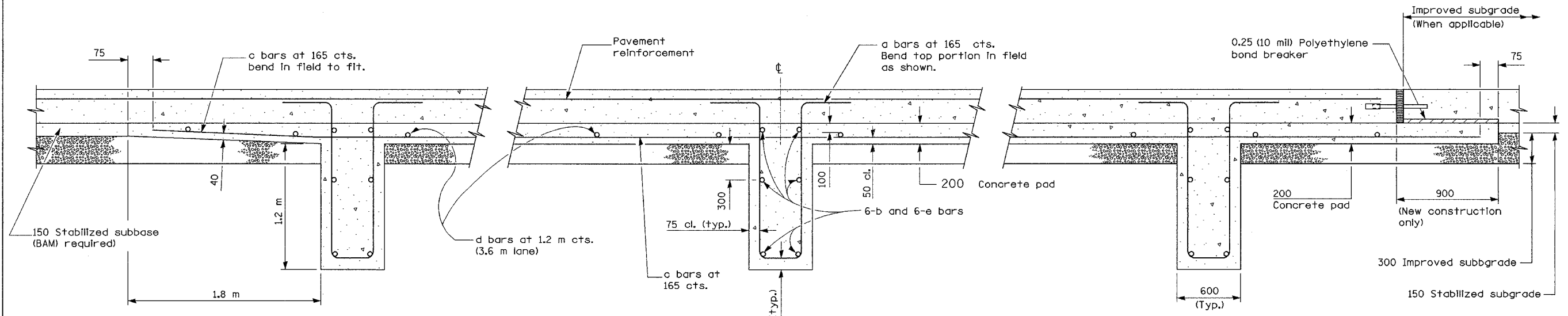


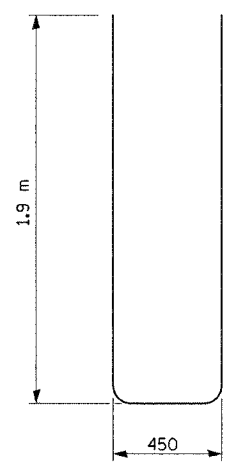
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	101
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



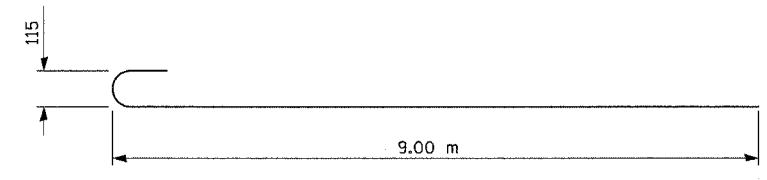
SECTION AT LUG W

SECTION AT LUG X

SECTION AT LUG Y



BAR a



BAR b

GENERAL NOTES

(See Detail for "Bar Reinforcement for 4.2 m CRC Pavement Reinforcement" for 4.2 m lane.
 See Standard 421001 for details of pavement reinforcement for 3.6 m lane.
 See Standards 420001 and 420401 for joint details not shown.
 All dimensions are in millimeters unless otherwise shown.

MATERIALS REQUIRED FOR (1) ONE LUG SYSTEM				
(Excluding Pavement Concrete and Pavement Reinforcement)				
Bar	No.	Size	Length	Shape
a	264	No. 25	4.25	U
b	18	No. 15	9.19	—
c	264	No. 15	6.10	—
d	56	No. 13	3.52	—
e	18	No. 15	6.05	—
Concrete, m3			31.2	
Reinforcing Bars, kg			7672	
Concrete Pad, m2			208	
Improved Subgrade, m2			234	

All reinforcement shall be epoxy coated.

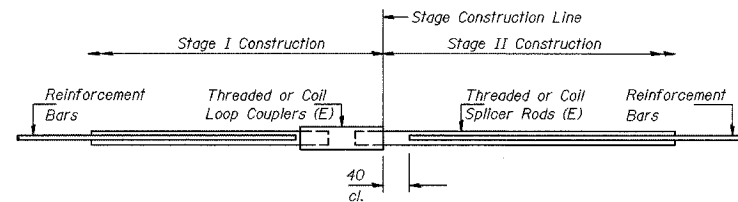
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41
**14.4 M CRC PAVEMENT
 (WITH LUG SYSTEM)**
 SCALE NONE DRAWN BY ACE/CAD
 DATE 07/05 CHECKED BY TAE

I:\Users\j\Documents\2011\14.4 m\14.4 m.dwg 08/15/2008 07:37:31 AM

ALL DIMENSIONS IN METERS EXCEPT PAVEMENT ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	102
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62114		INDOT DES. NO. 0100987		



BAR SPLICER ASSEMBLY DETAIL FOR STAGED LUG SYSTEM Bars "b"

Bar Size	No. Assemblies Required	Location
#15	18 *	STA 6+860 WB
#15	18	STA 6+973 EB
#15	18	STA 7+915 EB

* STAGE II CONSTRUCTION ONLY
BAR SPLICERS PROVIDED BY
CONTRACT 62113

The diameter of this part is the same as the diameter of the bar spliced.

ROLLED THREAD DOWEL BAR

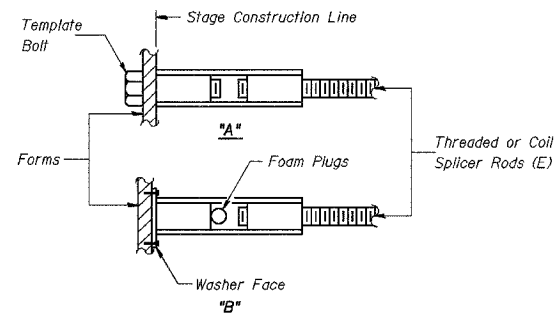


Wire Connector



BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563M, 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.

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 400 MPa yield strength, threaded or rolled 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 (Tension in kN) = $1.25 \times 10^{-3} \times f_y \times A_t$
- ② Minimum *Pull-out Strength (Tension in kN) = $1.25 \times 10^{-3} \times f_{s\ allow} \times A_t$

Where f_y = Yield strength of lapped reinforcement bars in MPa.

$f_{s\ allow}$ = Allowable tensile stress in lapped reinforcement bars in MPa (Service Load)

A_t = Tensile stress area of lapped reinforcement bars (mm²).

* = 28 day concrete

BAR SPLICER ASSEMBLIES

Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kN - tension	Min. Pull-Out Strength kN - tension
#15	610 mm	100	40

Bar splicer assemblies shall be installed at the lug locations as shown on the plan details for the staged lug systems.

When the second stage of the lug system is to be completed in a separate contract, the Contractor shall deliver the remainder of the bar splicer to the IDOT Bishop Ford Maintenance Yard (708) 331-4339 for storage.

The bars shall be enclosed in a water resistant wooden container of sufficient strength to withstand the anticipated handling of the bar splicers prior to reuse at a later date. The container shall be clearly stamped for the designated location of the bar splicer use.

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, SPECIAL."
All dimensions are in millimeters (mm) except as noted.

BAR SPLICER ASSEMBLY DETAILS

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41
**BAR SPLICER ASSEMBLY
DETAIL FOR
LUG SYSTEM Bars b**

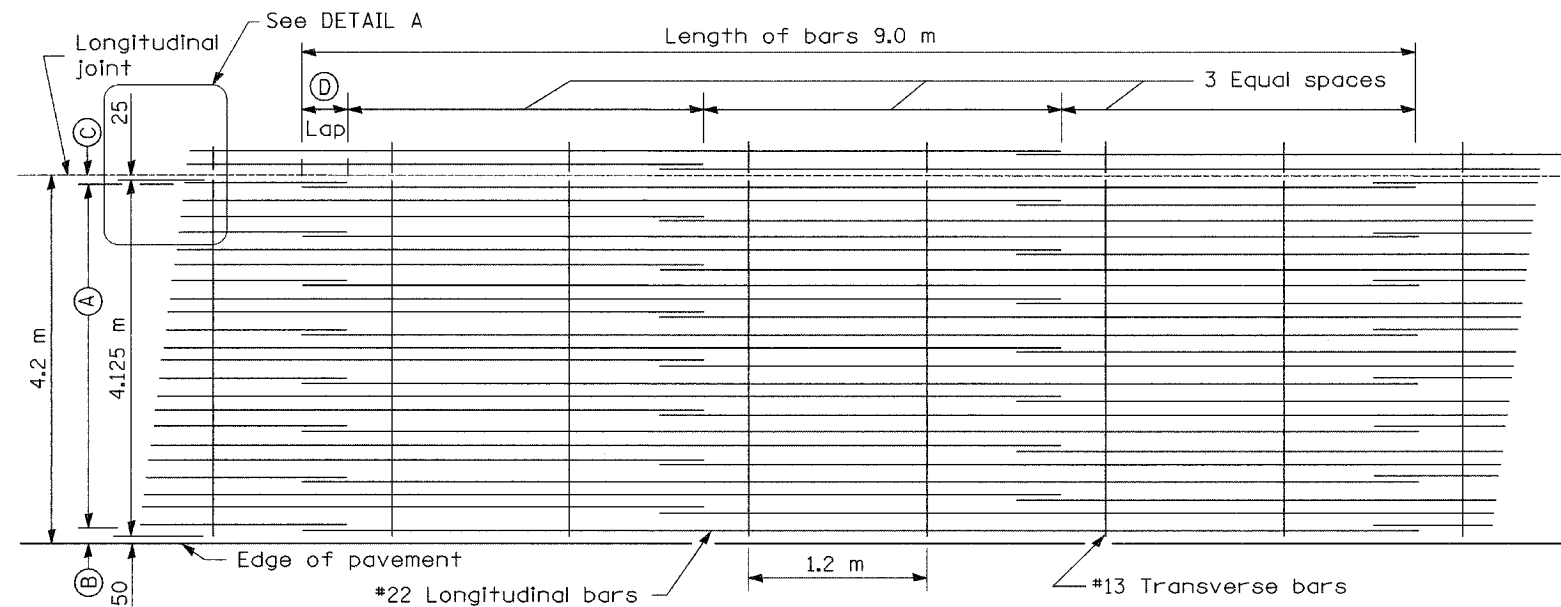
SCALE NONE DRAWN BY ACE/CAD
DATE 07/05 CHECKED BY TAE



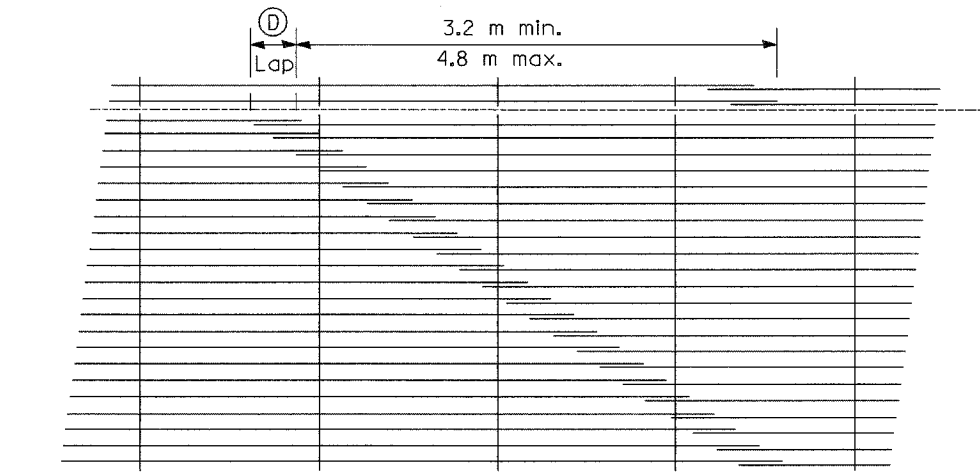
REVISIONS	
NAME	DATE

ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

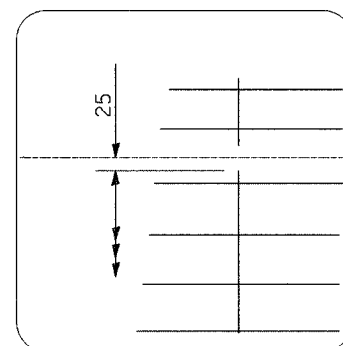
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	103
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



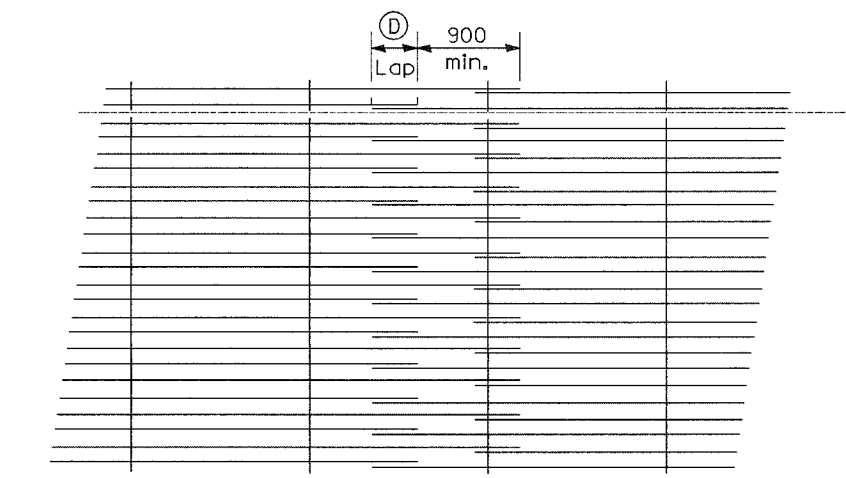
LAP DETAIL I



LAP DETAIL II



DETAIL A



LAP DETAIL III

METRIC (mm)					
Bar Size	Pavement Thickness	(A) (Approx. Spacing)	(B)	(C)	(D)
#22	360	31 spaces (32 bars) @ 130	90	75	660

GENERAL NOTES

Except as noted or shown, the dimensions and notes specified for LAP DETAIL I are typical for LAP DETAIL II and III.

The (B) dimension and the distance from the end of the transverse bar to the edge of pavement may be increased by 25 mm for slip form paving.

See Standard 421001 for details of pavement reinforcement for 3.6 m lane.

All dimensions are in millimeters (inches) unless otherwise shown.

REVISIONS	
NAME	DATE

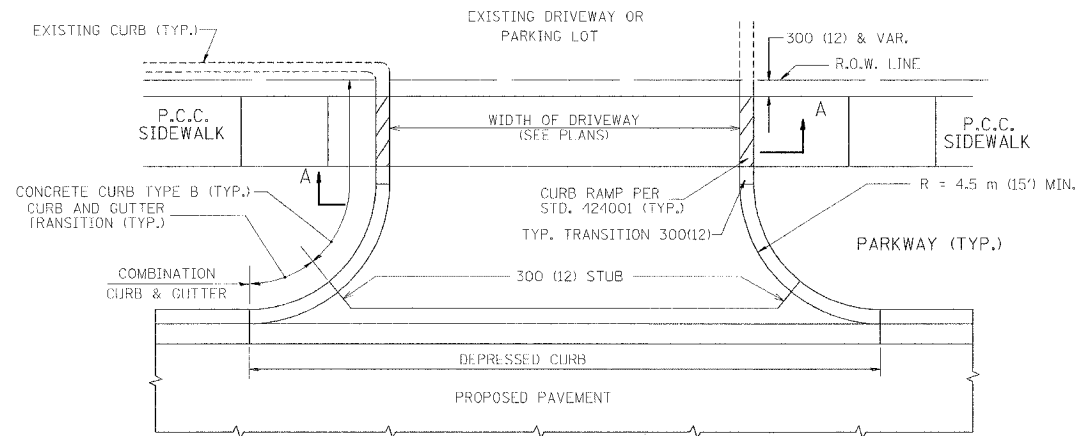
ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41
**BAR REINFORCEMENT FOR
 7.8M CRC PAVEMENT
 (4.2 M LANE)**

SCALE NTS
 DATE 07/05

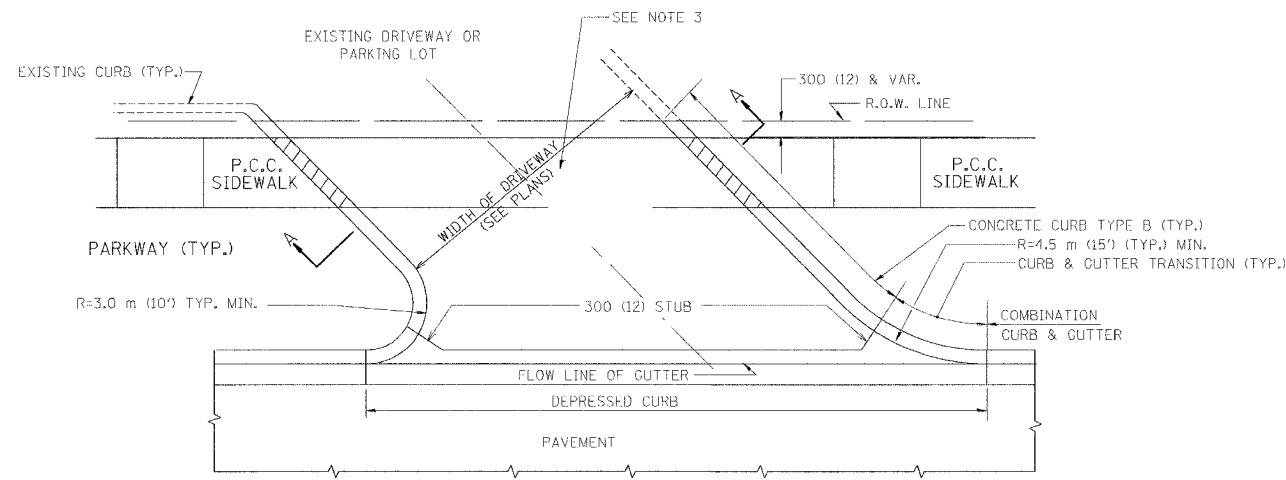
DRAWN BY ACE/CAD
 CHECKED BY TAE

AMERICAN
 CONSULTING ENGINEERS

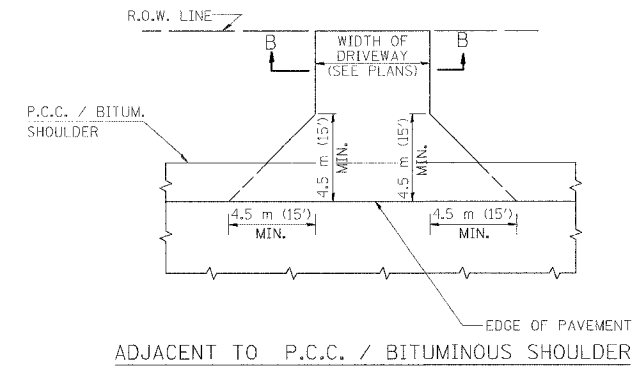
F.A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8094	2626-2-R-2	COOKLAKE	1207	104
STA.	TO STA.			
FED. ROAD DIST. NO. 1	RD. NO.	FED. AID PROJECT		
CONTRACT NO. 62114		INDOT DES. NO. 0100987		



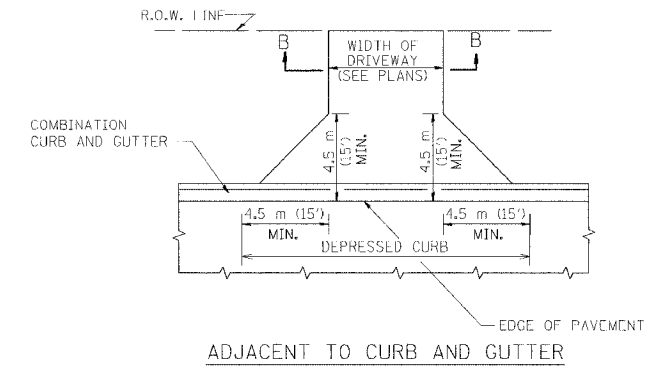
WITH CONCRETE CURB, TYPE B



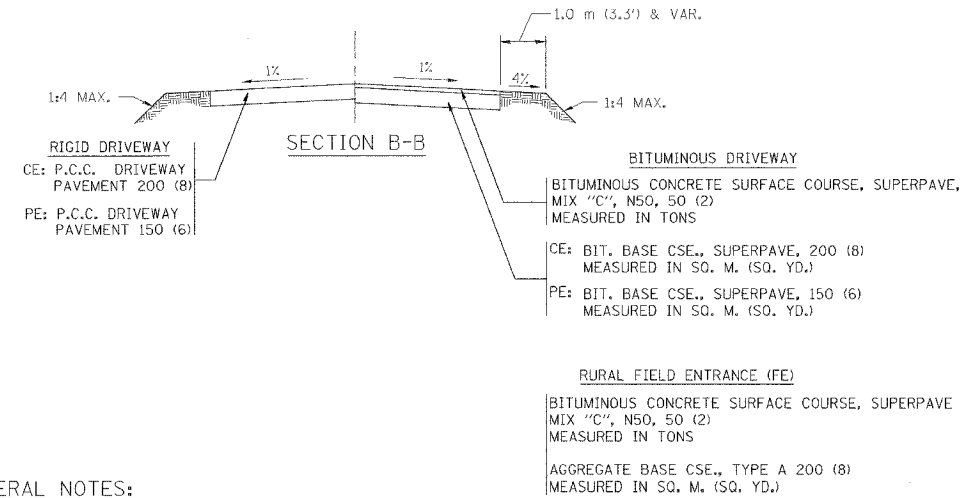
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / BITUMINOUS SHOULDER



ADJACENT TO CURB AND GUTTER



GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

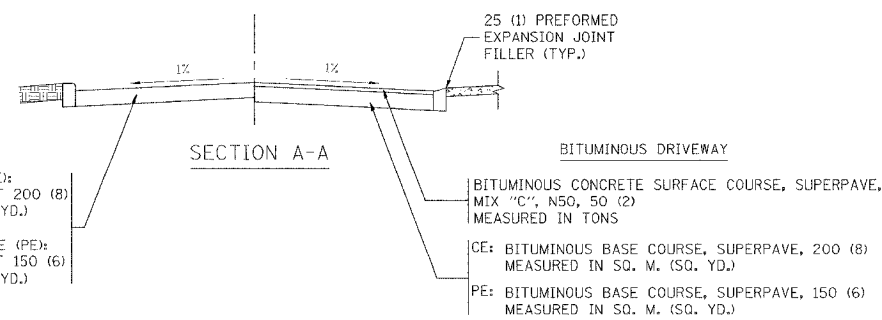
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 1.2 METERS (4 FEET) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

25 (1) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.



ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED

ILLINOIS DEPARTMENT OF TRANSPORTATION

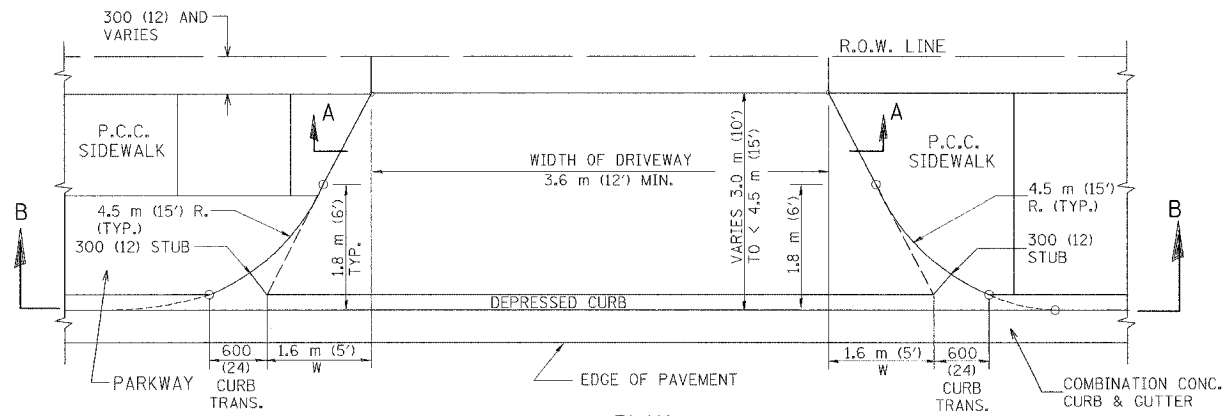
DRIVEWAY DETAILS
DISTANCE BETWEEN R.O.W. AND FACE OF CURB / EDGE OF SHOULDER >= 4.5 m (15')

REVISIONS	
NAME	DATE
P. LAFLEUR	04-15-03
R. SHAH	11-04-95
J. POLLASTRINI	08-12-96
J. POLLASTRINI	12-14-96
A. ABBAS	03-21-97
T. HOLTZ	04-08-97
M. GOMEZ	04-06-01

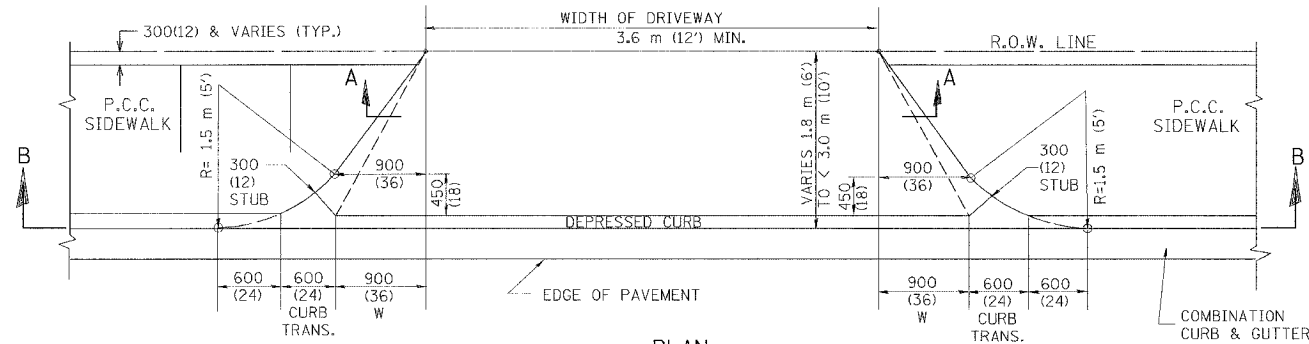
SCALE: NONE
DATE PLOTTED: 04/17/2003
DRAWN BY: SG
CHECKED BY: JFP

BD400-01 (BD-01)
REVISION DATE: 04/15/03

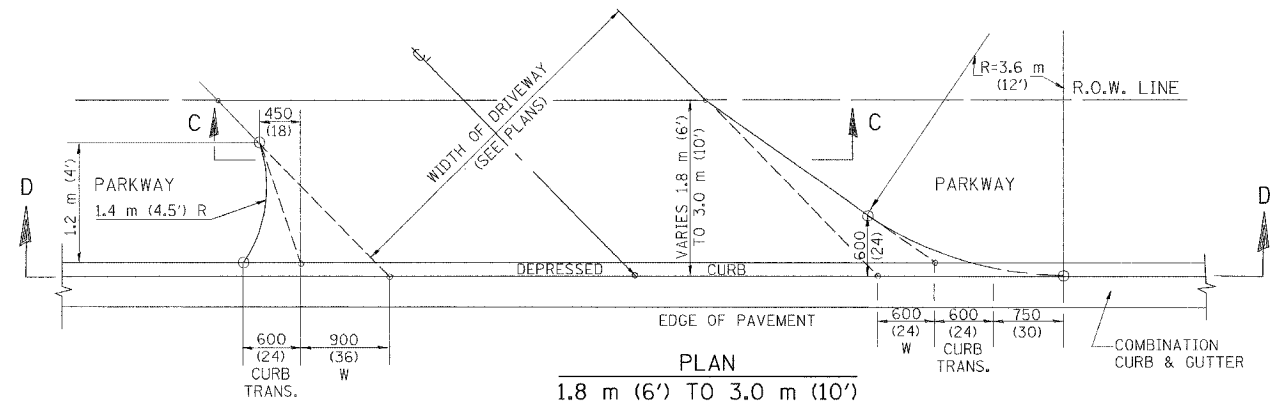
F. A. SHE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8094	2628.2-R-2	COOK/LAKE	1207	105
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 82114		INDOT DES. NO. 0100987		



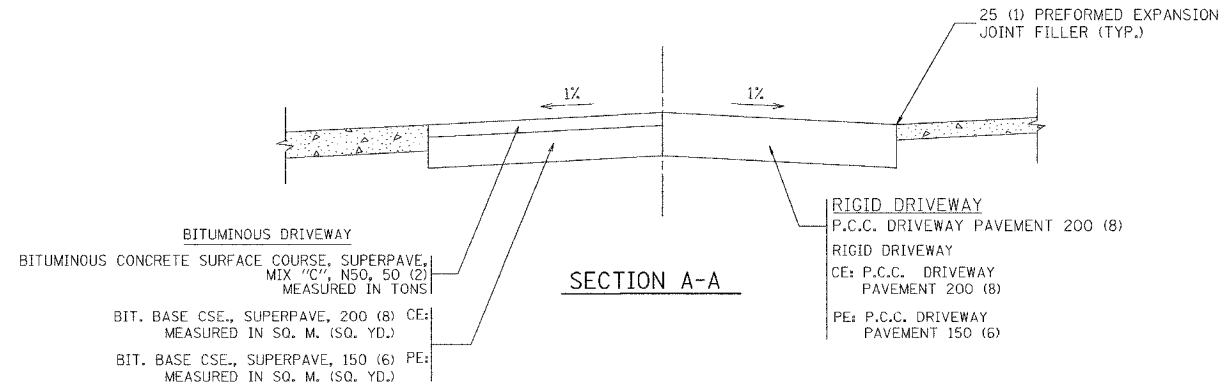
PLAN
3.0 m (10') TO < 4.5 m (15')



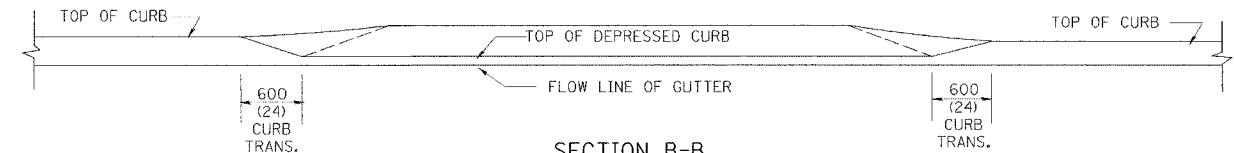
PLAN
1.8 m (6') < 3.0 m (10')



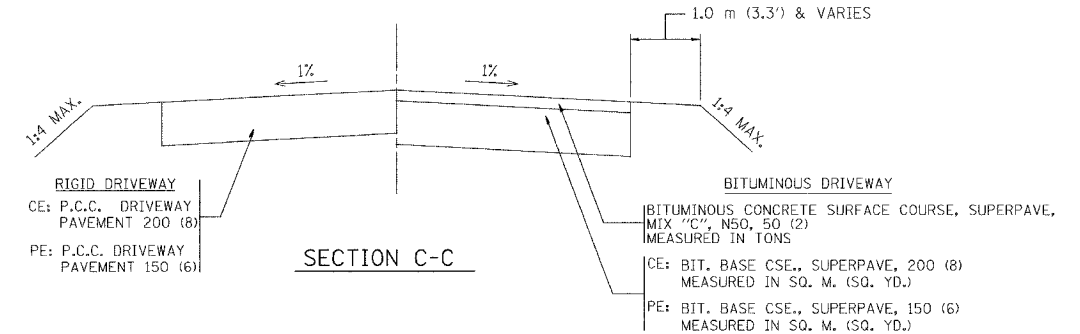
PLAN
1.8 m (6') TO 3.0 m (10')



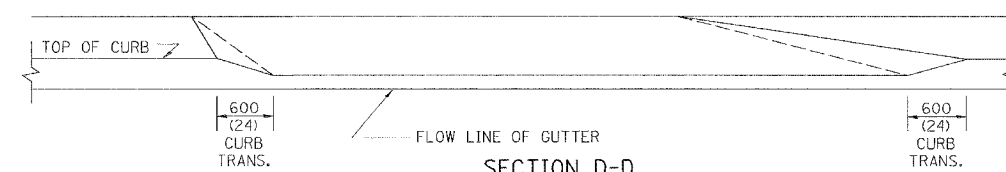
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 2.4 M (8'), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

25 (1) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 900 (36) TO 1.5 M (5 FT.) PROPORTIONAL TO THE LENGTH (L), FROM 1.8 M (6 FT.) TO 3 M (10 FT.).

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS

DISTANCE BETWEEN ROW AND FACE OF CURB < 4.5 m (15')

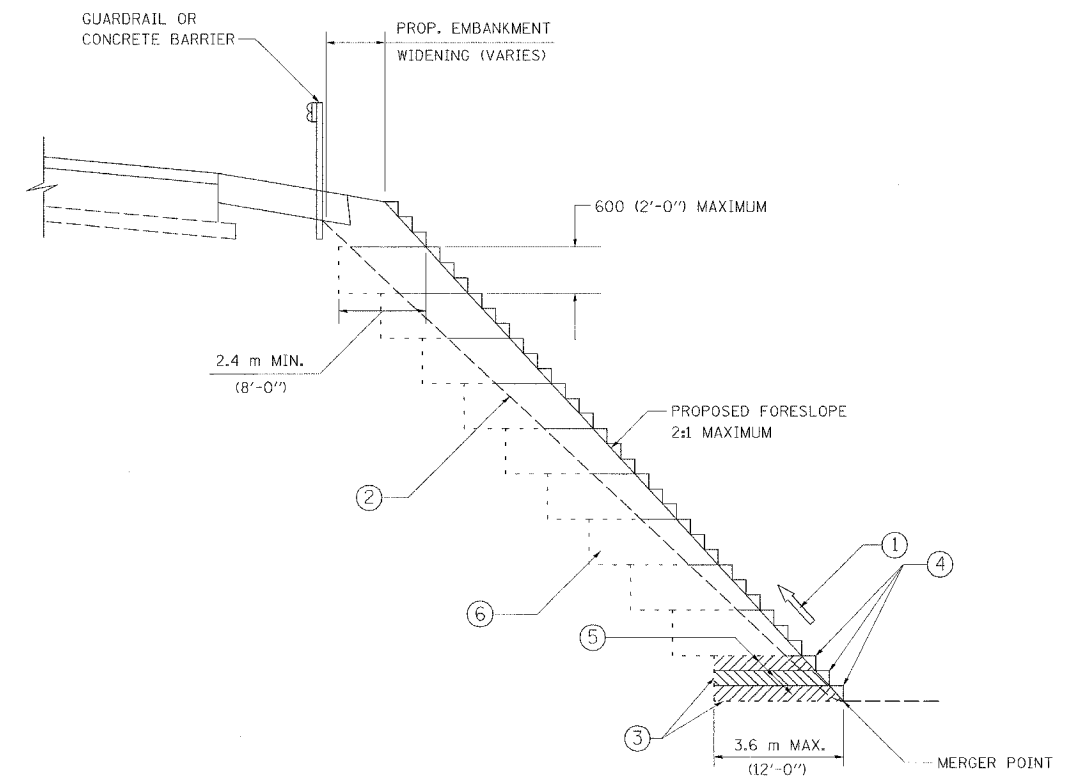
REVISIONS	
NAME	DATE
P. LOFLEUR	04/15/03
M. GOMEZ	04/06/01
R. SHAH	11/06/95
J. POLLASTRINI	08/12/96
J. POLLASTRINI	12/14/96
A. ABBAS	03/21/97
T. HOLTZ	04/08/97

SCALE: NONE
DATE PLOTTED: 04/17/2003

DRAWN BY: SG
CHECKED BY: JFP
BD400-02 (BD-02)

REVISION DATE: 04/15/03

F. A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8094	2626.2-R-2	COOK/LAKE	1207	108
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 82114		INDOT DES. NO. 0100867		



TYPICAL BENCHING DETAIL
FOR EMBANKMENT

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.04 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 200 (8-INCH) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.06 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION (SPECIAL)". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

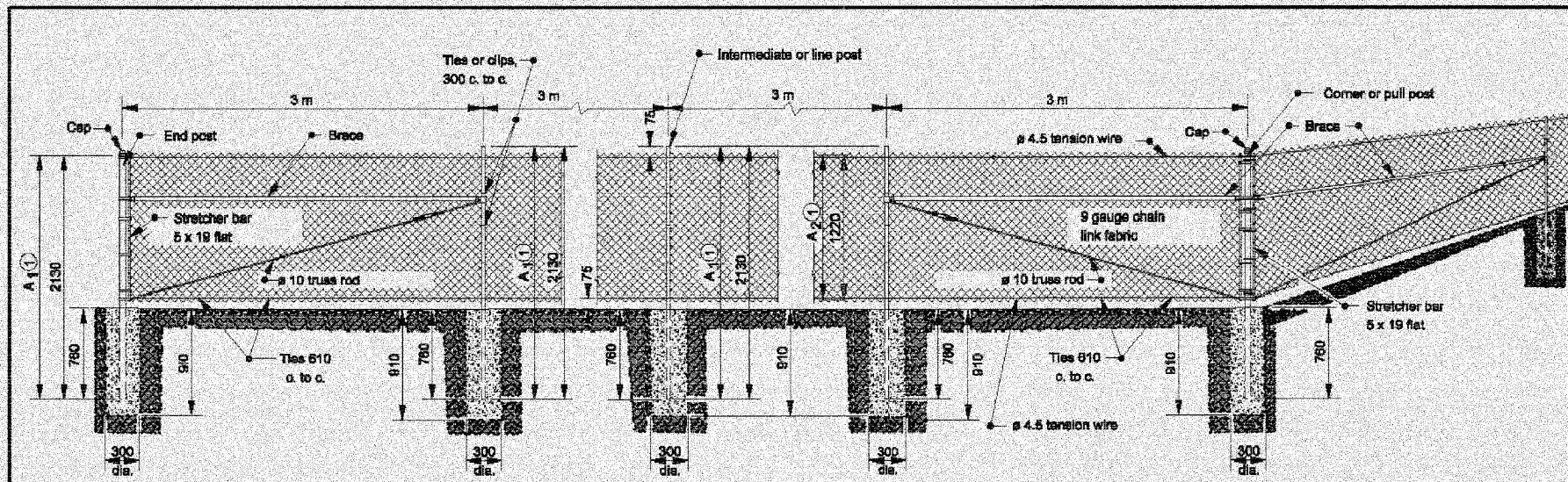
BENCHING DETAIL
FOR EMBANKMENT
WIDENING

REVISIONS	
NAME	DATE

SCALE: NONE
DATE 10/18/2002

DRAWN BY: CADD
CHECKED BY: S.E.B.
BD-51

REVISION DATE:



RIGHT OF WAY FENCE
Steel Chain Link Fence

GENERAL NOTES

- 1 For each additional 300 in height increase dimensions A_1 and A_2 by 300.
- 2 Dimensions as shown are for 1220 fence.
- 3 For chain link type stream crossing or depression detail see Standard Drawing 603-CLTF-02 for dimensions and installation. Substitute chain link type fence for farm field type fence.

HEIGHT OF FENCE	TUBULAR POST CHART							
	GROUP 1				GROUP 2			
	< 1.8m ± 30mm		≥ 1.8m ± 30mm		< 1.8m ± 30mm		≥ 1.8m ± 30mm	
NOM. DIA.	WEIGHT	NOM. DIA.	WEIGHT	NOM. DIA.	WEIGHT	NOM. DIA.	WEIGHT	
mm	kg/m	mm	kg/m	mm	kg/m	mm	kg/m	
END, CORNER, AND PULL POSTS	50±1	5.43	64±1	8.62	50±1	5.02	64±1	6.91
LINE POSTS	32±1	3.38	50±1	5.43	32±1	2.74	50±1	5.02
BRACE	32±1	3.38	32±1	3.38	32±1	2.74	32±1	2.74

All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION

CHAIN LINK TYPE FENCE

SEPTEMBER 2004

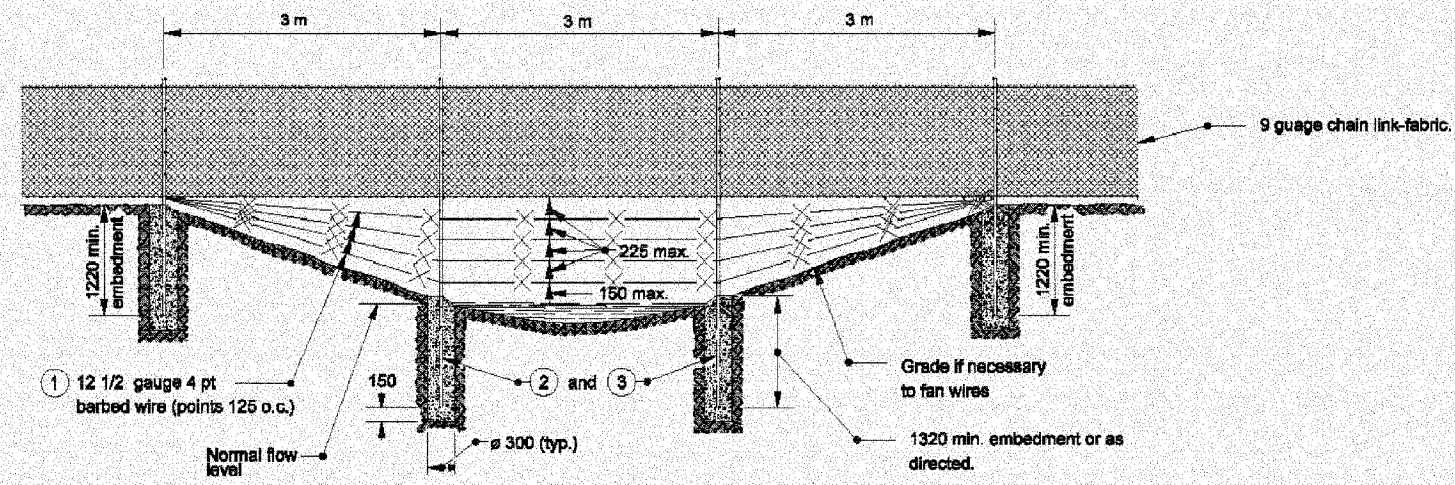
STANDARD DRAWING NO. 603-CLTF-01

	/s/ Anthony L. Uremovich DESIGN STANDARDS ENGINEER	9-01-04 DATE
	/s/ Filizoz Zordil CHIEF HIGHWAY ENGINEER	9-01-04 DATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	108
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62114	INDOT DES. NO. 0100987			

GENERAL NOTES

- ① This installation to be made only where directed. Barbed wire will not be required at points where such installation would cause the collecting of drift in the channel.
- ② Line posts of 2900 or longer for crossing shall be 60 nominal tubing weighing 5.34 kg/m or L80 x 80 x 10 angles and shall be set in concrete footings.
- ③ Extra length posts to be used as directed.

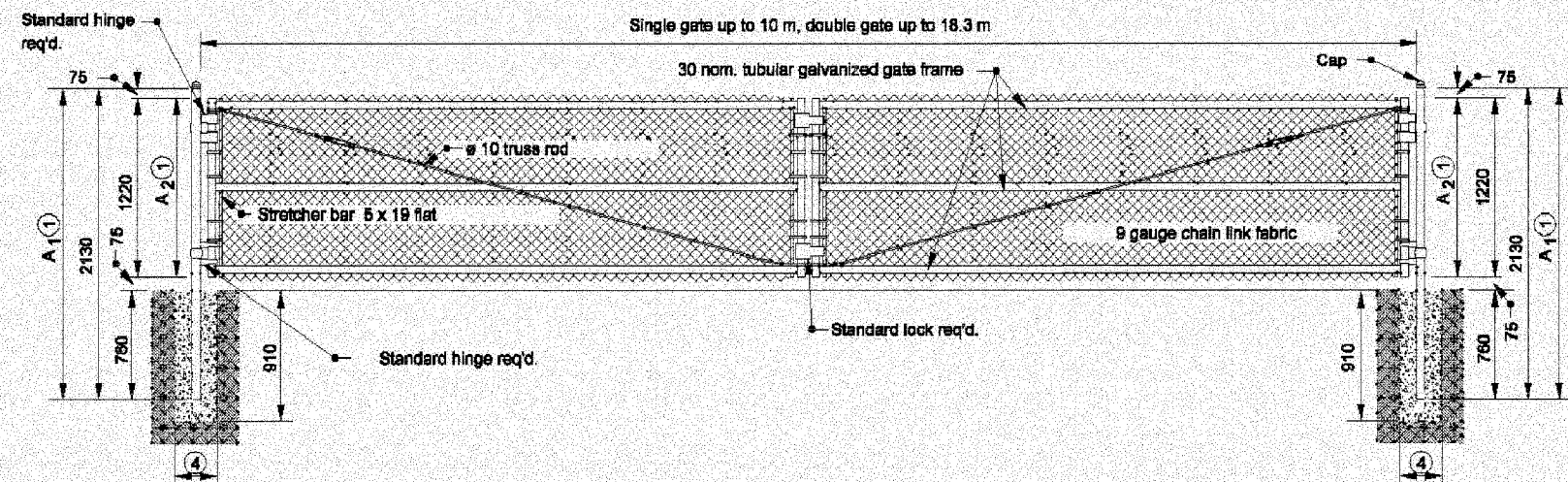


SECTION AT STREAM CROSSING OR DEPRESSION

All dimensions are in mm unless otherwise specified

INDIANA DEPARTMENT OF TRANSPORTATION	
CHAIN LINK TYPE FENCE	
SEPTEMBER 2004	
STANDARD DRAWING NO. 603-CLTF-02	
	<i>/s/ Richard L. VanCleave</i> 9-01-04 DESIGN STANDARDS ENGINEER DATE
	<i>/s/ Richard K. Smutzer</i> 9-01-04 CHIEF HIGHWAY ENGINEER DATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	108A
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62114		INDOT DES. NO. 0100987		

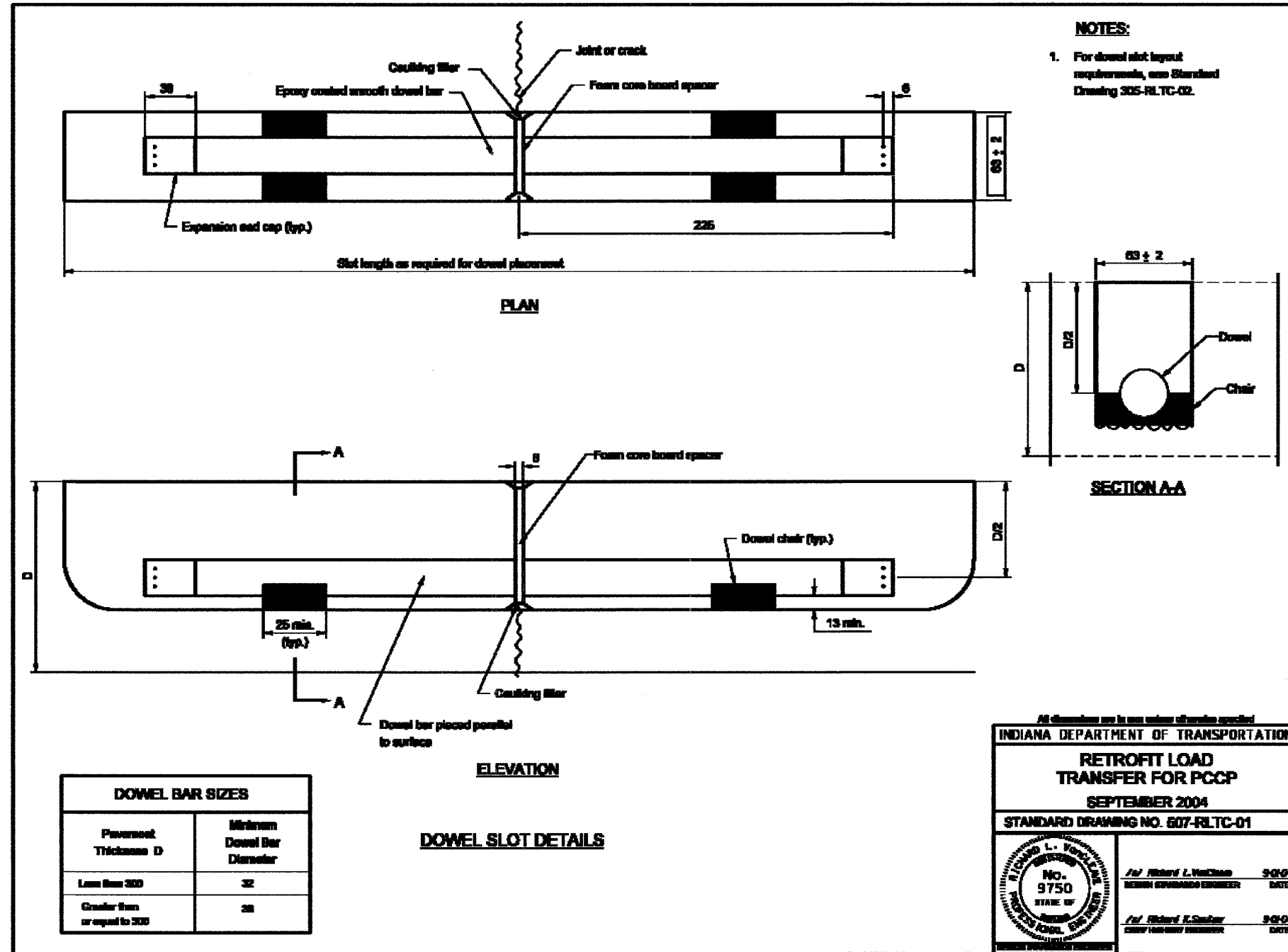


CHAIN LINK GATE

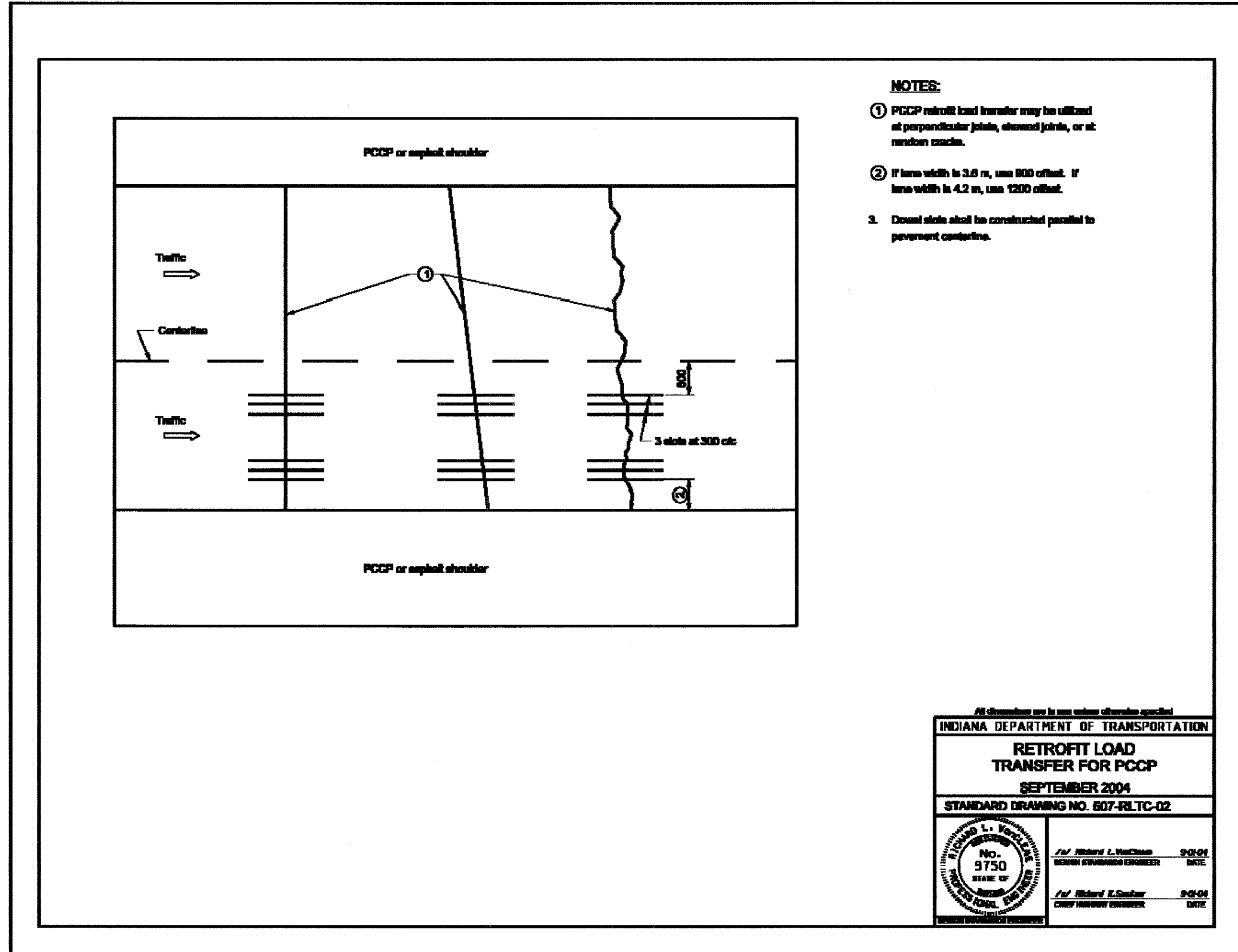
- GENERAL NOTES**
- ① For each additional 300 in height increase dimension A_1 and A_2 by 300.
 2. See Standard Drawing 603-CLTF-01 for the tubular post chart.
 3. Dimensions as shown are for 1220 fence.
 - ④ Diameter equals 250 plus the outside diameter of the post.

All dimensions are in mm unless otherwise specified

INDIANA DEPARTMENT OF TRANSPORTATION	
CHAIN LINK TYPE GATE	
SEPTEMBER 2004	
STANDARD DRAWING NO. 603-CLTF-03	
	/s/ Richard L. VanCleave 9-01-04 DESIGN STANDARDS ENGINEER DATE
	/s/ Richard K. Smutzer 9-01-04 CHIEF HIGHWAY ENGINEER DATE



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	110
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114		INDOT DES. NO. 0100987		



- NOTES:**
- ① PCCP retrofit load transfer may be utilized at perpendicular joints, skewed joints, or at random cracks.
 - ② If lane width is 3.6 m, use 800 offset. If lane width is 4.2 m, use 1200 offset.
 3. Down side shall be constructed parallel to pavement centerline.

All dimensions are in mm unless otherwise specified

INDIANA DEPARTMENT OF TRANSPORTATION

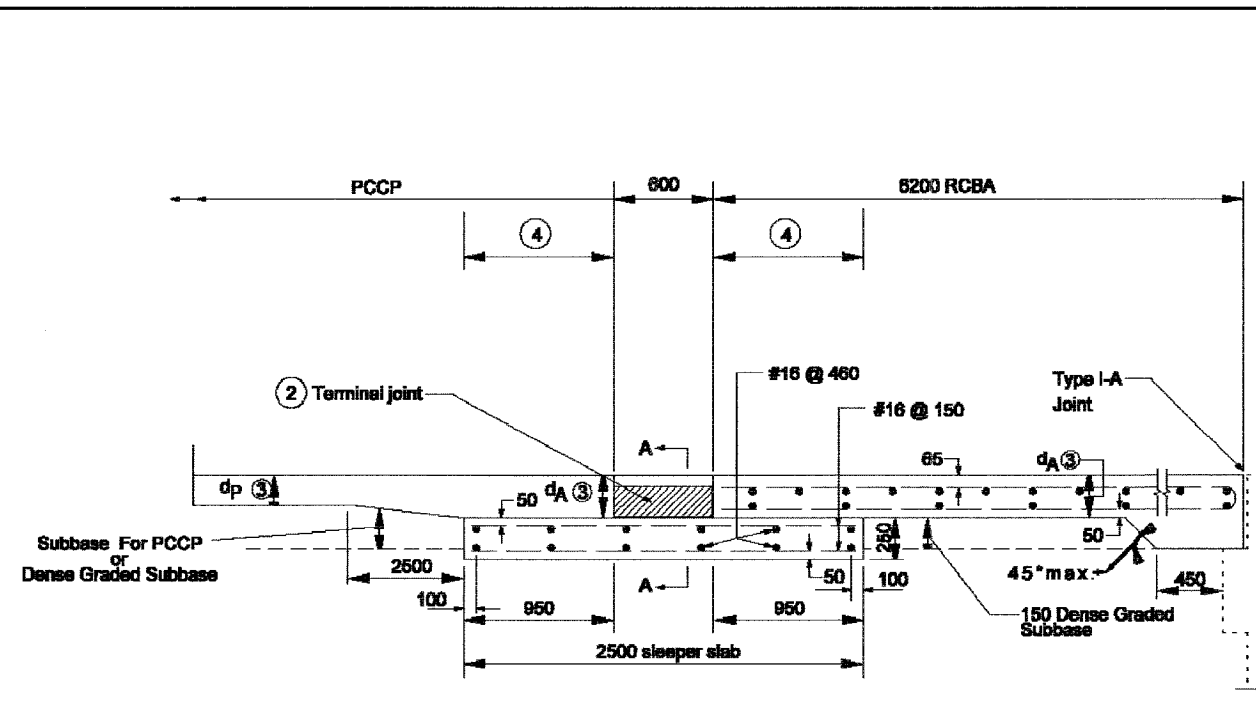
RETROFIT LOAD TRANSFER FOR PCCP

SEPTEMBER 2004

STANDARD DRAWING NO. 607-RLTC-02

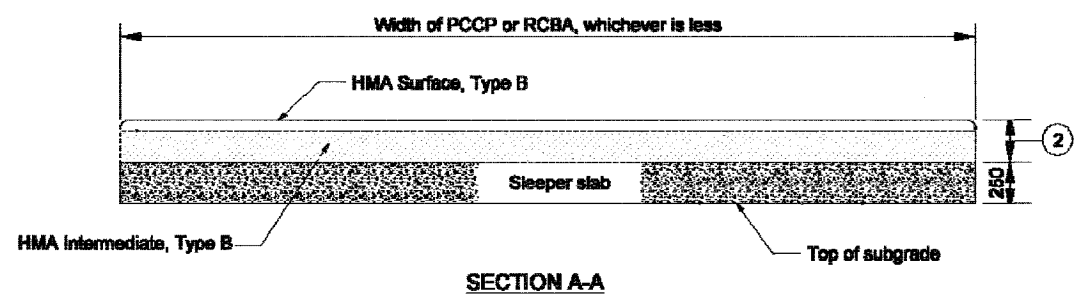
	<i>/s/ Richard L. Vancleave</i> 9/04 <small>REGISTERED PROFESSIONAL ENGINEER</small> DATE
	<i>/s/ Richard E. Saylor</i> 9/04 <small>CHIEF HIGHWAY ENGINEER</small> DATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	111
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



- GENERAL NOTES**
- For reinforcement details, see Standard Drawing 609-RCBA-03 for square RCBA's and Standard Drawing 609-RCBA-04 for skewed RCBA's.
 - Terminal joint elevation shall match elevation of adjacent PCCP and RCBA.
 - Depth d_A must equal d_p . However, if d_p is less than 300, d_A must be 300.
 - Limits of polyethylene bond breaker.
 - All reinforcing bars in the reinforced concrete bridge approach shall be epoxy coated.
 - See Standard Drawing 609-RCBA-07 and 609-BRJT-01 for details of Type I-A Joint

TERMINAL JOINT FOR PCCP AT BRIDGE STRUCTURE



SECTION A-A

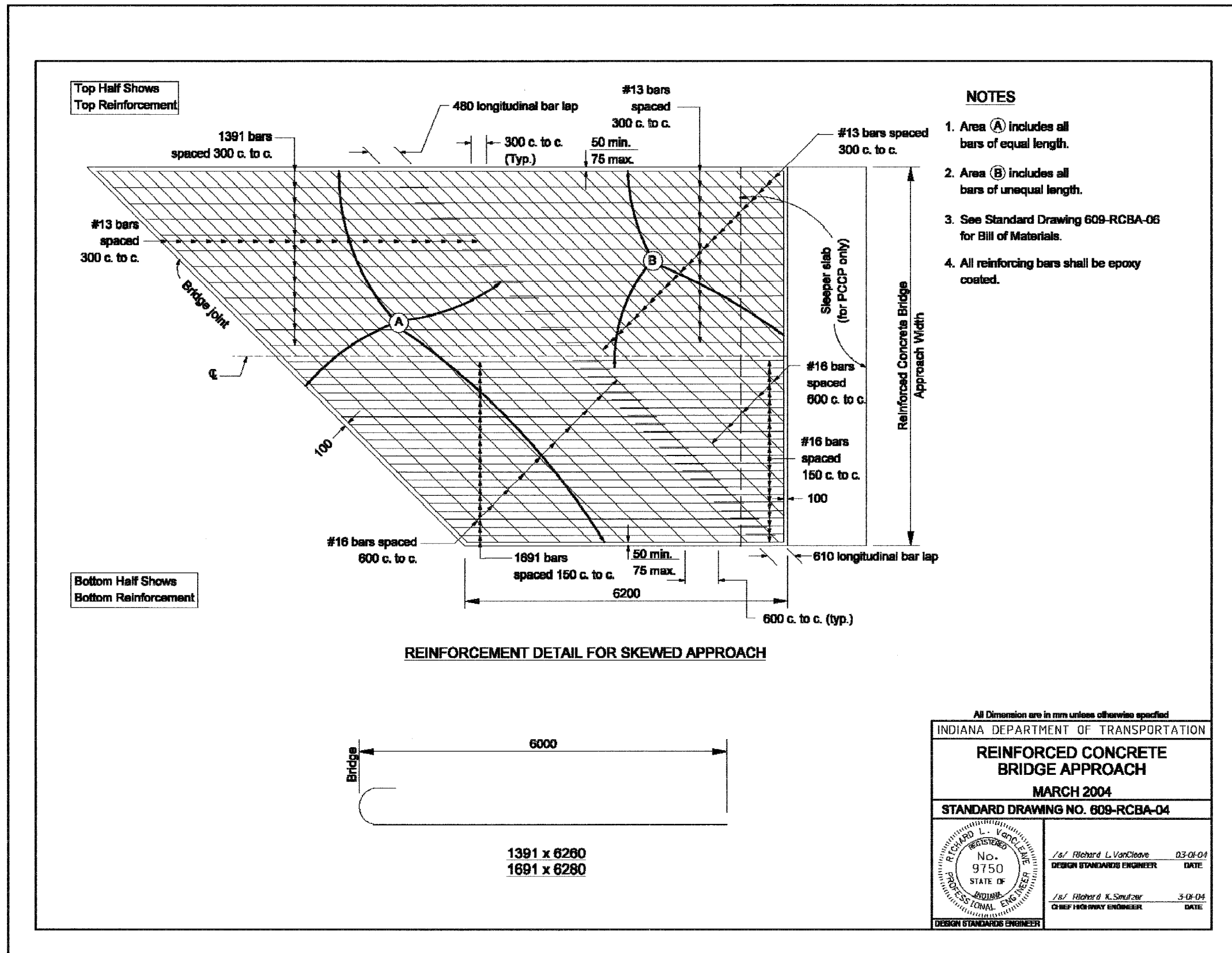
All Dimensions are in mm unless otherwise specified

INDIANA DEPARTMENT OF TRANSPORTATION
**REINFORCED CONCRETE BRIDGE
 APPROACH AND TERMINAL JOINT
 FOR USE WITH PCCP**
 SEPTEMBER 2005

STANDARD DRAWING NO. 609-RCBA-02

	/s/ Richard L. VanCleave	9-01-05
	DESIGN STANDARDS ENGINEER	DATE
	/s/ Richard K. Smutzer	9-01-05
	CHIEF HIGHWAY ENGINEER	DATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	112
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



All Dimension are in mm unless otherwise specified

INDIANA DEPARTMENT OF TRANSPORTATION

REINFORCED CONCRETE BRIDGE APPROACH

MARCH 2004

STANDARD DRAWING NO. 609-RCBA-04

	/s/ Richard L. VanCleave	03-01-04
	DESIGN STANDARDS ENGINEER	DATE
	/s/ Richard K. Smutzer	3-01-04
	CHIEF HIGHWAY ENGINEER	DATE

**BILL OF MATERIALS
SKEWED STRUCTURES - ONE SLAB**

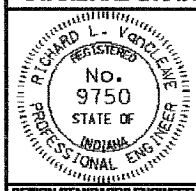

BRIDGE APPROACH WIDTH	EPOXY COATED REINFORCING BARS			
	LONGIT. BARS, AREA (A)		TRANSV. BARS, AREA (A)	
	NO.	SIZE x LGTH. OR MARK	NO.	SIZE
7200	24	1391	21	#13
	48	1691	11	#16
7600	26	1391	21	#13
	51	1691	11	#16
7800	26	1391	21	#13
	52	1691	11	#16
8200	28	1391	21	#13
	55	1691	11	#16
8800	30	1391	21	#13
	59	1691	11	#16
9400	32	1391	21	#13
	63	1691	11	#16
10000	34	1391	21	#13
	67	1691	11	#16
10600	36	1391	21	#13
	71	1691	11	#16
11200	38	1391	21	#13
	75	1691	11	#16
11800	40	1391	21	#13
	79	1691	11	#16
12100	41	1391	21	#13
	81	1691	11	#16
12400	42	1391	42	#13 *
	83	1691	22	#16 **
13600	46	1391	42	#13 *
	91	1691	22	#16 **

* Bars lapped 480 at centerline of roadway if bar exceeds 12000.
 ** Bars lapped 610 at centerline of roadway if bar exceeds 12000.

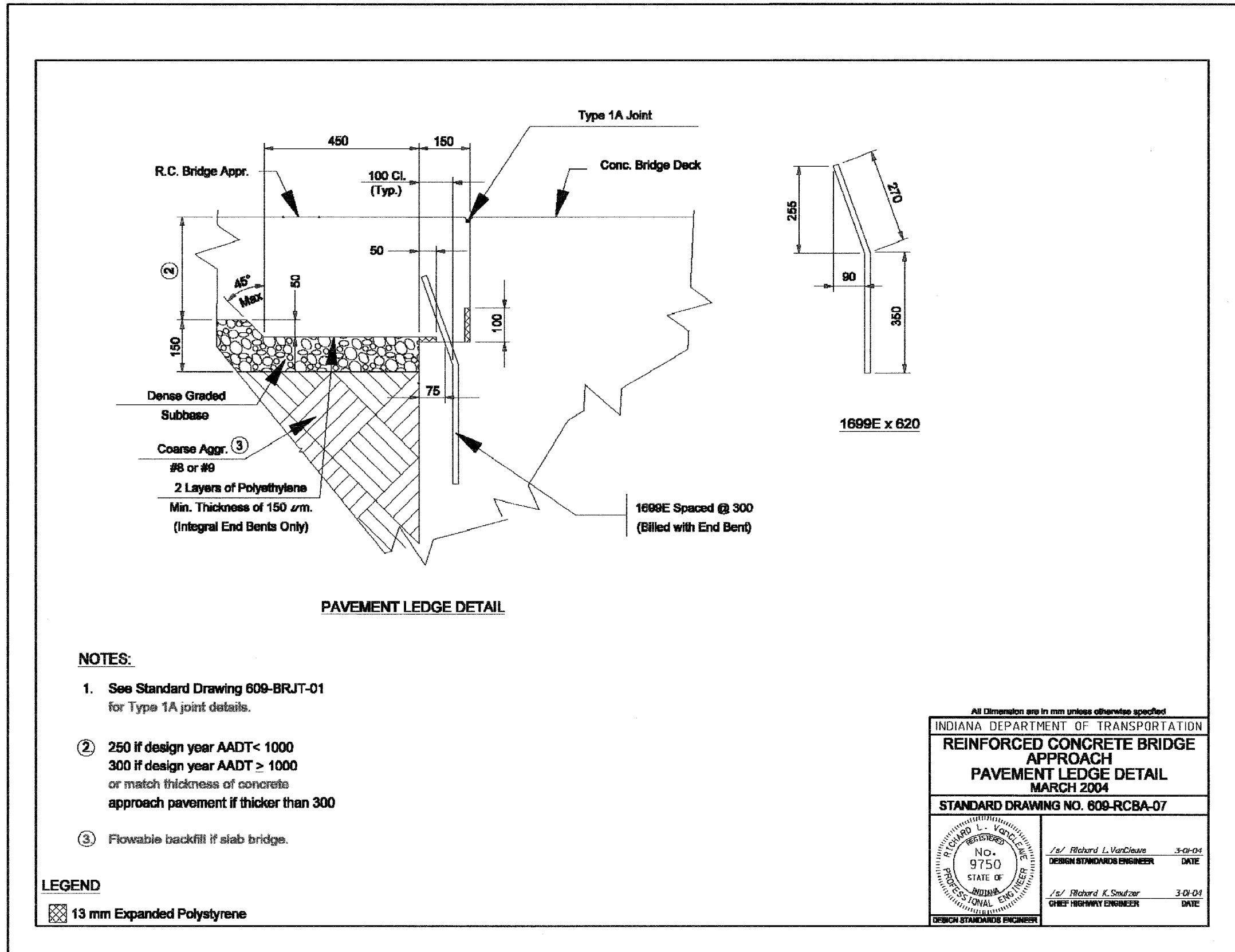
NOTES

1. The Bill of Materials shall be used to determine the longitudinal bar requirements in Area (A) shown on Standard Drawing 609-RCBA-04 for skewed structures.
2. See the plans for longitudinal bars required in Area (B). all transverse bars, total mass of steel and bridge approach area for skewed structures.
3. All reinforcing bars shall be epoxy coated.

All Dimension are in mm unless otherwise specified

INDIANA DEPARTMENT OF TRANSPORTATION	
REINFORCED CONCRETE BRIDGE APPROACH	
MARCH 2004	
STANDARD DRAWING NO. 609-RCBA-06	
	/s/ Richard L. VanCleave 3-04-04 DESIGN STANDARDS ENGINEER DATE
	/s/ Richard K. Smutzer 3-04-04 CHIEF HIGHWAY ENGINEER DATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	114
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



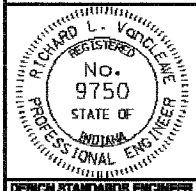
NOTES:

1. See Standard Drawing 609-BRJT-01 for Type 1A joint details.
- ② 250 if design year AADT < 1000
300 if design year AADT ≥ 1000
or match thickness of concrete approach pavement if thicker than 300
- ③ Flowable backfill if slab bridge.

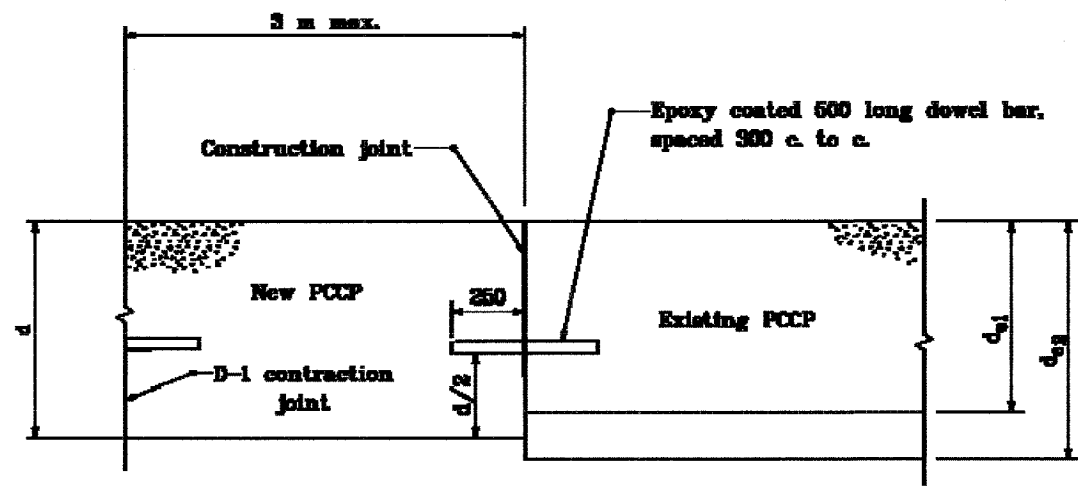
LEGEND

⊠ 13 mm Expanded Polystyrene

All Dimension are in mm unless otherwise specified

INDIANA DEPARTMENT OF TRANSPORTATION											
REINFORCED CONCRETE BRIDGE APPROACH PAVEMENT LEDGE DETAIL MARCH 2004											
STANDARD DRAWING NO. 609-RCBA-07											
	<table border="0" style="width: 100%;"> <tr> <td>/s/ Richard L. VanCleave</td> <td style="text-align: right;">3-01-04</td> </tr> <tr> <td>DESIGN STANDARDS ENGINEER</td> <td style="text-align: right;">DATE</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>/s/ Richard K. Smutzer</td> <td style="text-align: right;">3-01-04</td> </tr> <tr> <td>CHIEF HIGHWAY ENGINEER</td> <td style="text-align: right;">DATE</td> </tr> </table>	/s/ Richard L. VanCleave	3-01-04	DESIGN STANDARDS ENGINEER	DATE			/s/ Richard K. Smutzer	3-01-04	CHIEF HIGHWAY ENGINEER	DATE
/s/ Richard L. VanCleave	3-01-04										
DESIGN STANDARDS ENGINEER	DATE										
/s/ Richard K. Smutzer	3-01-04										
CHIEF HIGHWAY ENGINEER	DATE										

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	115
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62114		INDOT DES. NO. 0100987		



TRANSITION DESIGN
 New PCCP to Existing PCCP
 $d > d_{e1}$ (New PCCP Thicker Than Existing)
 $d < d_{e2}$ (New PCCP Thinner Than Existing)

All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION
PAVEMENT TYPE
TRANSITION
 SEPTEMBER 1990
 STANDARD DRAWING NO. 500-PTN-04

	<i>/s/ Anthony L. Krawinkel</i> 8-21-00 DESIGN STANDARDS ENGINEER DATE
	<i>/s/ Donald E. Evans</i> 8-21-00 CHIEF ENGINEER DATE

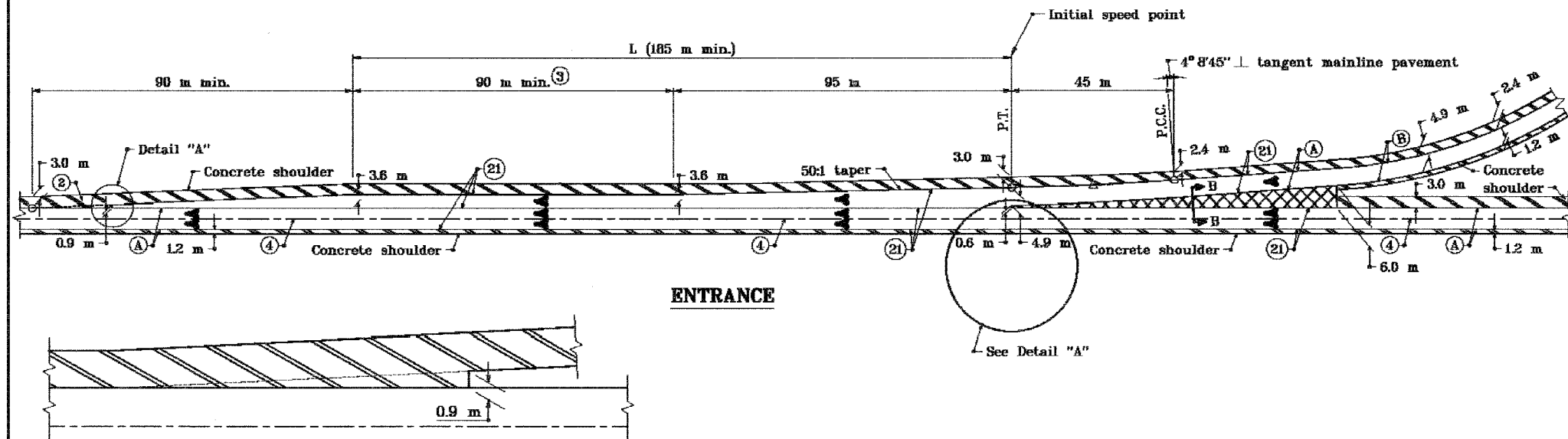
Source Sheet: NONE

GENERAL NOTES

- Pavement contraction joints shall be extended through the concrete shoulder in the gore areas.
- Shoulder corrugations shall be omitted in this area.
- Any required additional length of L above the 185 m minimum shall be added to the length of this parallel lane segment. (Example: required L = 220 m then this parallel lane segment length = 125 m)
- See tables on Standard Drawing 401-REBS-04.
- See Standard Drawing 401-REBS-03 for Section B-B.

CURVE DATA

$\Delta = 3^{\circ} 00' 00''$
 $R = 875.000 \text{ m}$
 $T = 22.867 \text{ m}$
 $L = 45.720 \text{ m}$
 $E = 0.299 \text{ m}$



ENTRANCE

DETAIL "A"

LEGEND

- (A) Pavement type and thickness as specified for the mainline.
- (B) Pavement type and thickness as specified for ramps.
- (4) Longitudinal joint
- (21) Longitudinal construction joint
- ▨ Concrete shoulder (Thickness of mainline pavement)
- ▩ Concrete shoulder (Thickness as specified on Typical Sections)

All dimensions are in mm unless otherwise specified.

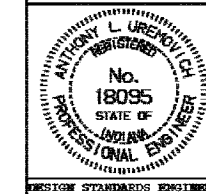
INDIANA DEPARTMENT OF TRANSPORTATION

RAMP ENTRANCE TERMINAL

CONCRETE SHOULDER

SEPTEMBER 2000

STANDARD DRAWING NO. 501-RECS-01



/s/ Anthony L. Uremovich 9-01-00
DESIGN STANDARDS ENGINEER DATE

/s/ Firooz Zandi 9-01-00
CHIEF HIGHWAY ENGINEER DATE

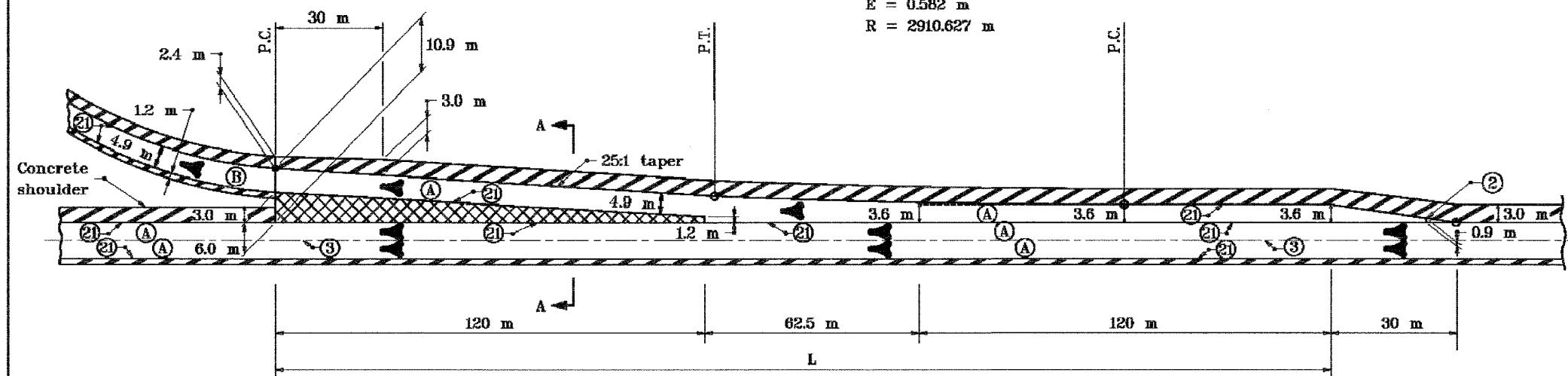
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	117
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62114	INDOT DES. NO. 0100987			

GENERAL NOTES

1. Pavement contraction joints shall be extended through the concrete shoulder in the gore areas.
2. Shoulder corrugations shall be omitted in this area.
3. See tables on Standard Drawing 401-REBS-04.
4. See Standard Drawing 501-RECS-03 for Section A-A.

CURVE DATA

$\Delta = 2^\circ 17' 26''$
 $T = 58.189 \text{ m}$
 $L = 116.360 \text{ m}$
 $E = 0.582 \text{ m}$
 $R = 2910.627 \text{ m}$



EXIT

LEGEND

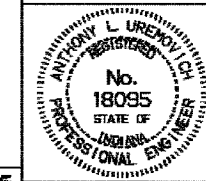
- (A) Pavement type and thickness as specified for the mainline.
- (B) Pavement type and thickness as specified for ramps.
- (3) Longitudinal joint
- (2) Longitudinal construction joint
- ▨ Concrete shoulder (Thickness of mainline pavement)
- ▩ Concrete shoulder (Thickness as specified on Typical Sections)

All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION

**RAMP EXIT TERMINAL
CONCRETE SHOULDER**
SEPTEMBER 1999

STANDARD DRAWING NO. 501-RECS-02



/s/ Anthony L. Uremovich 8-01-99
DESIGN STANDARDS ENGINEER DATE

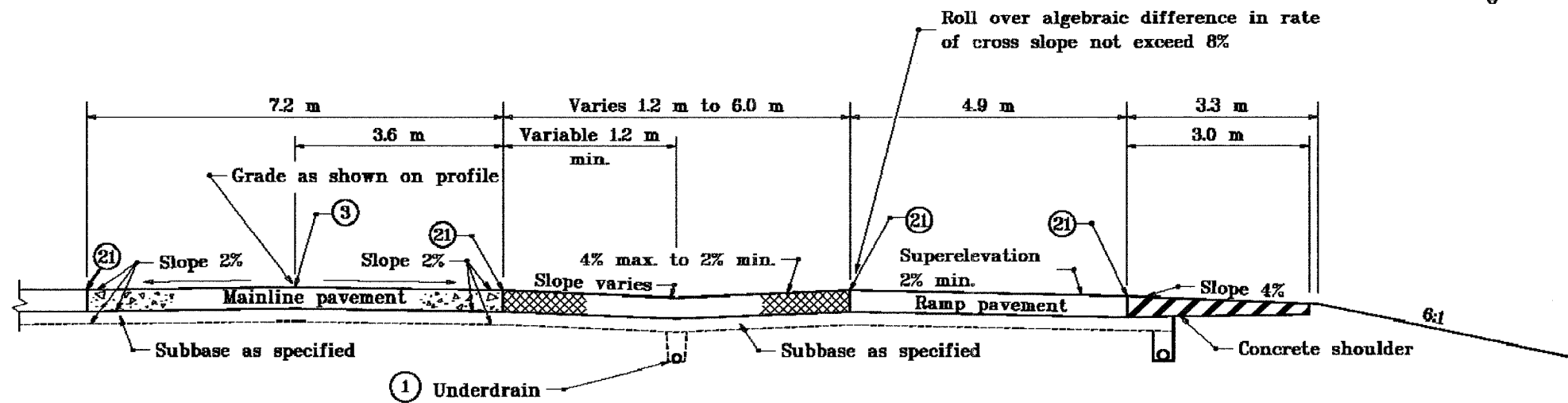
/s/ Donald W. Lucas 9-01-99
CHIEF HIGHWAY ENGINEER DATE

Source Sheet: **MV5**

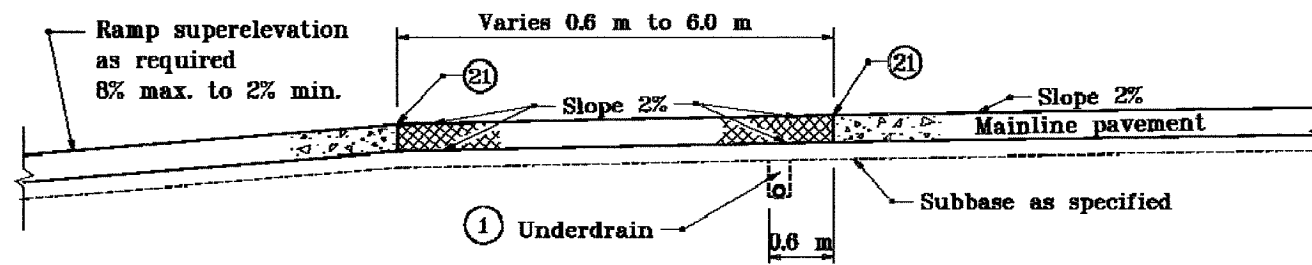
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	118
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED.	AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			

GENERAL NOTES

- ① For underdrain details see Standard Drawing 718-UNDR-01.



SECTION A-A



SECTION B-B

LEGEND

- Ⓐ Pavement type and thickness as specified for the mainline.
- Ⓑ Pavement type and thickness as specified for ramps.
- ③ Longitudinal joint
- Ⓓ Longitudinal construction joint
- ▨ Concrete shoulder (Thickness of mainline pavement)
- ▩ Concrete shoulder (Thickness as specified on Typical Sections)

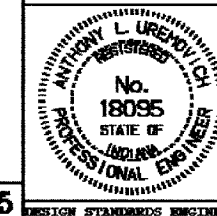
All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION

**RAMP CROSS SECTIONS
CONCRETE SHOULDERS**

JANUARY 1999

STANDARD DRAWING NO. 501-RECS-03



/s/ Anthony L. Uremovich 1-04-99
DESIGN STANDARDS ENGINEER DATE

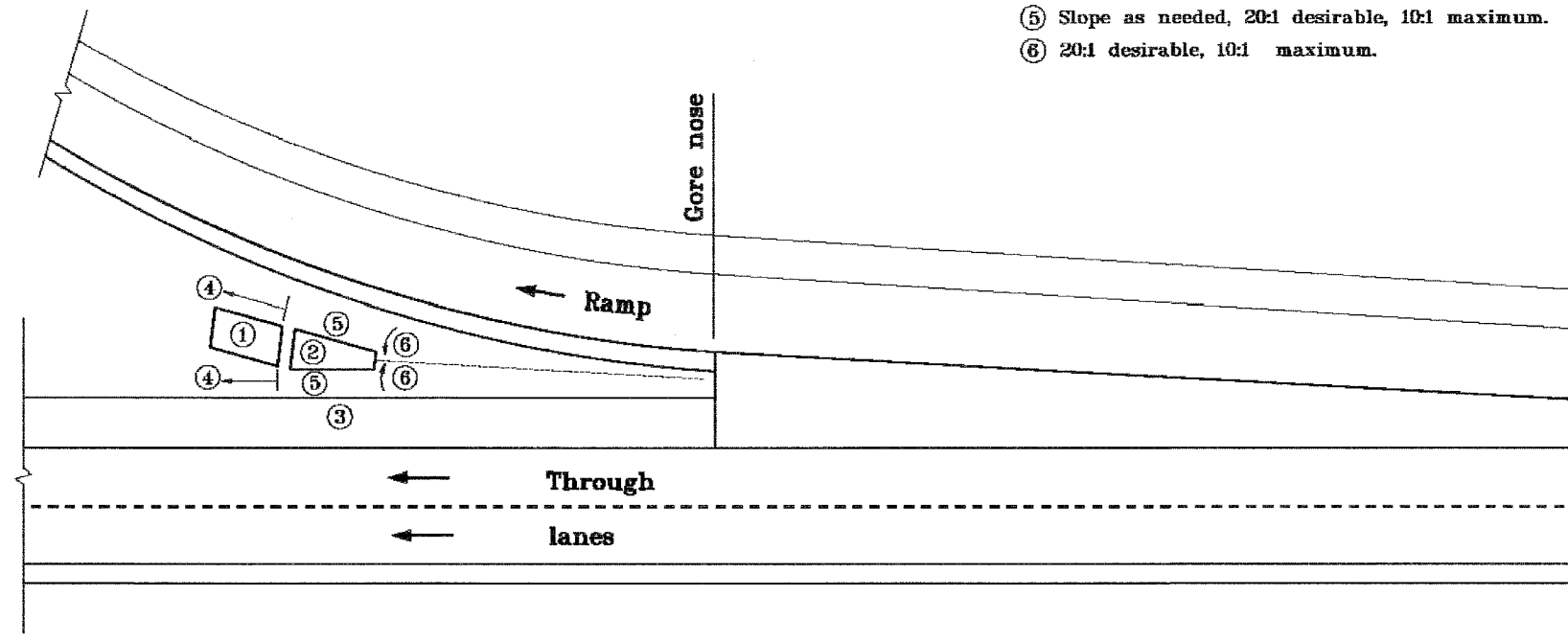
/s/ Donald W. Lucas 1-04-99
CHIEF HIGHWAY ENGINEER DATE

Source Sheet: MV5

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	119
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			

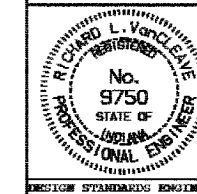
LEGEND

- ① Obstruction
- ② Impact attenuator pad, transversely as level as conditions permit, maximum slope 20:1. Longitudinally sloping 20:1 maximum, with respect to roadway grade.
- ③ Shoulder slope 4% toward obstruction/impact attenuator pad/swale.
- ④ Transition slope 10:1 maximum transversely.
- ⑤ Slope as needed, 20:1 desirable, 10:1 maximum.
- ⑥ 20:1 desirable, 10:1 maximum.



All dimensions are in mm unless otherwise specified.

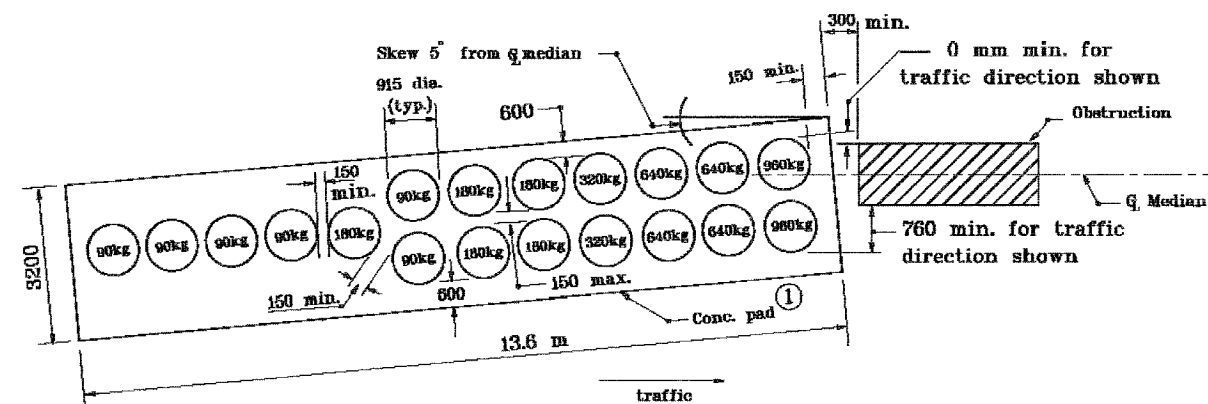
INDIANA DEPARTMENT OF TRANSPORTATION
**GRADING AT IMPACT
ATTENUATOR IN GORE AREA**
MARCH 2002
STANDARD DRAWING NO. 601-GAIA-03



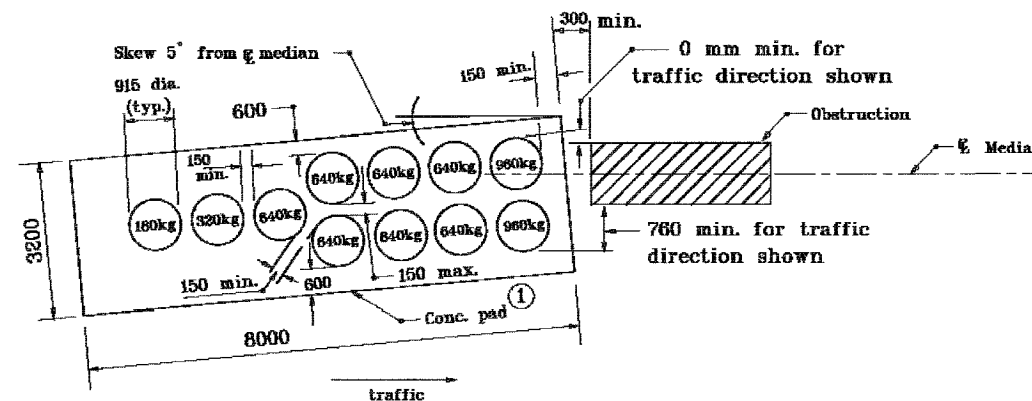
/s/ Richard L. VanCleave 3-01-02
DESIGN STANDARDS ENGINEER DATE

/s/ Richard K. Sautner 3-01-02
CHIEF HIGHWAY ENGINEER DATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	120
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



**CONCRETE PAD PLAN IMPACT ATTENUATOR TYPE ED
GRAVEL BARREL ARRAY FOR TEST LEVEL 3**



**CONCRETE PAD PLAN IMPACT ATTENUATOR TYPE ED
GRAVEL BARREL ARRAY FOR TEST LEVEL 2**

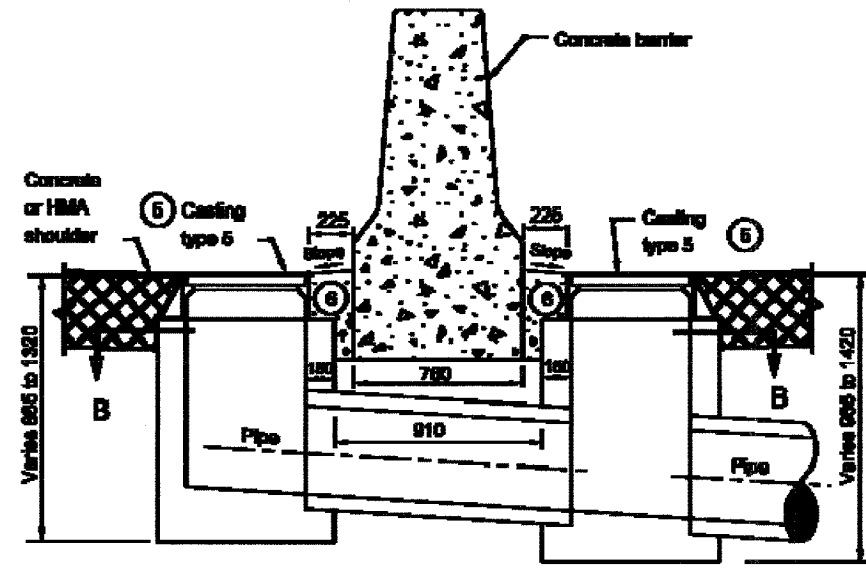
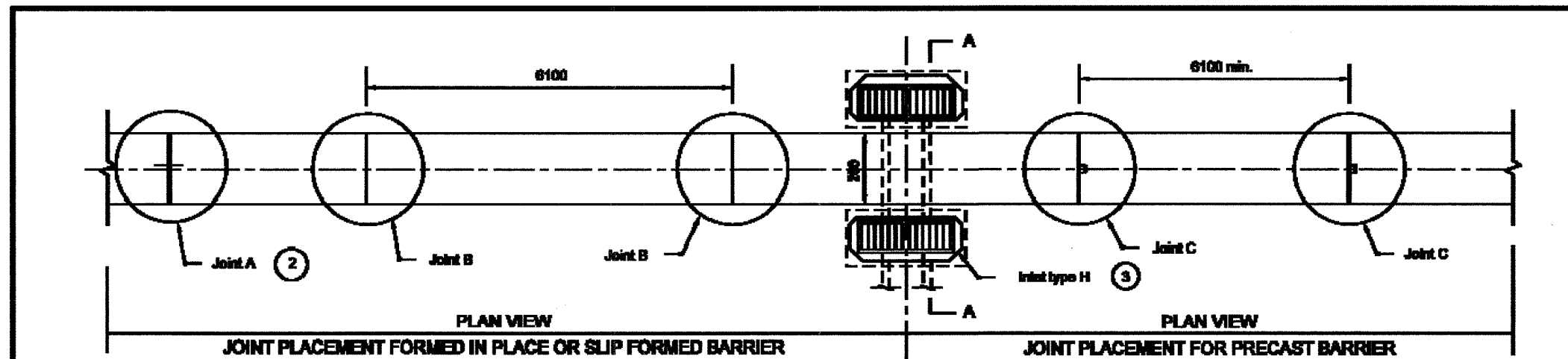
NOTES:

- ① Concrete pad shall be 150 mm thick with welded wire fabric 150 x 150, W3/W3 or equivalent. A clearance of 50 mm shall be provided between all sides and top of concrete pad and welded wire fabric.
2. Appropriate impact attenuator Test Level shall be used to determine the concrete pad size and gravel barrel layout.
3. See Standard Drawings 601-GAIA-01, 01A and 02 for grading details.
4. The details shown are for an impact attenuator type ED, gravel barrel array with a maximum obstruction width of 900.

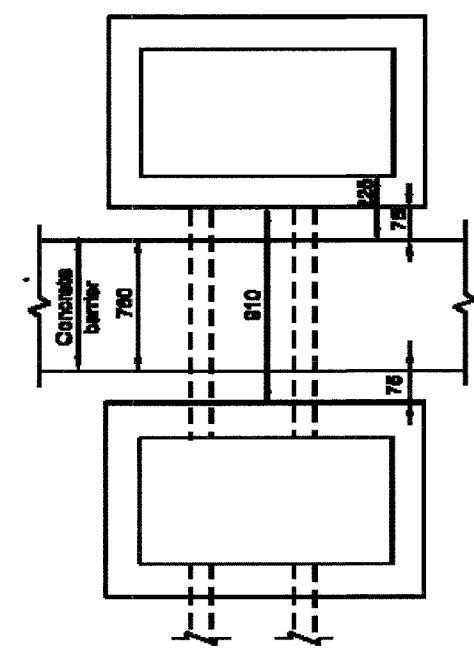
All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION	
IMPACT ATTENUATOR ED LAYOUT	
MARCH 2002	
STANDARD DRAWING NO. 601-IAED-01	
	/s/ Richard L. VanCleave 3-01-02 <small>DESIGN STANDARDS ENGINEER DATE</small>
	/s/ Richard E. Sautner 3-01-02 <small>CHIEF HIGHWAY ENGINEER DATE</small>

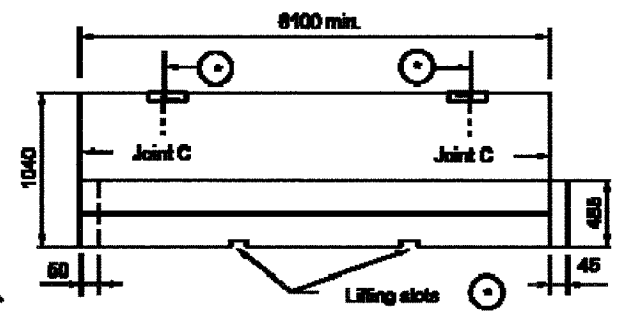
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	121
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



SECTION A-A



SECTION B-B



SIDE VIEW OF PRECAST SECTION

① Precast concrete barrier shall have threaded inserts cast into the top of each section, a minimum of 6 mm below the surface, and embedded to a depth sufficient for safe lifting of the section.
Lifting slots will be permitted in addition to the inserts. The dimensions and locations of these slots may be adjusted to accommodate variations in handling equipment.

GENERAL NOTES :

1. See Standard Drawing 602-CCMB-02 for joint details.
- ② Cast-in-place or slip-formed concrete barrier shall have a joint type A at 3000 mm from each end of a median bridge pier or bent. The maximum spacing between type A joints shall be 120 m. Type A joint shall be placed at the end of each work period pour.
- ③ Each inlet type H includes two inlet boxes, the connector pipe between the inlet boxes, and two type 5 castings.
4. Type B joint shall be located and spaced as shown.
- ⑤ See Standard Drawings 720-ICCA-01 to E 720-ICCA-03 for casting type 5 details.
- ⑥ Concrete shoulder or pavement between type 5 casting and concrete barrier wall.
7. See Standard Drawing 720-BEST-056 for information regarding inlet indicators.

All Dimensions are in mm unless otherwise specified

INDIANA DEPARTMENT OF TRANSPORTATION

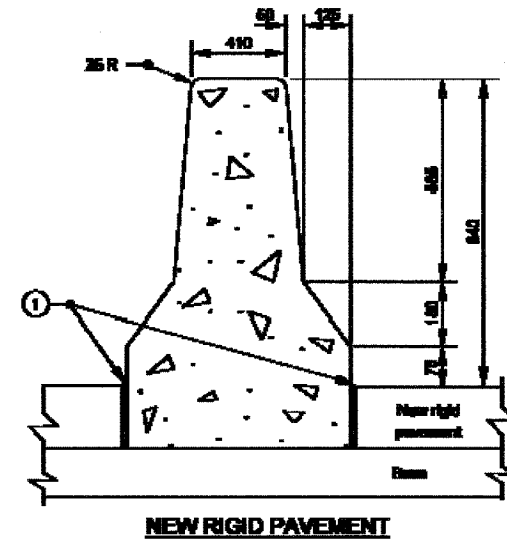
**CONCRETE BARRIER
DRAIN AND JOINT PLACEMENT**

MARCH 2003

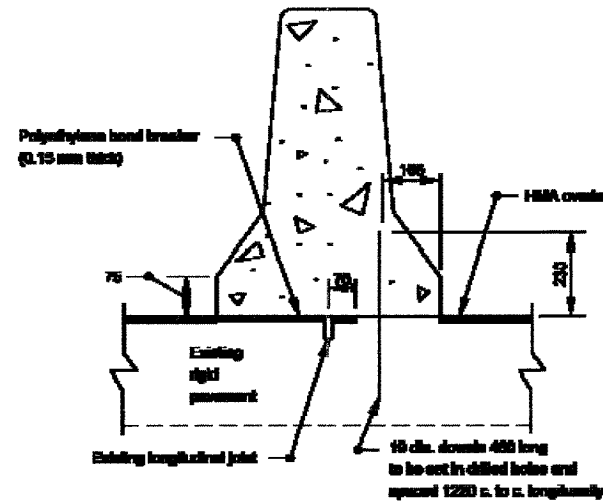
STANDARD DRAWING NO. 602-CCMB-01

	<i>For Thomas L. Woodley</i> 3-02-03 <small>REGISTERED PROFESSIONAL ENGINEER</small> DATE
	<i>For Robert K. Saylor</i> 3-02-03 <small>CHIEF DESIGN ENGINEER</small> DATE

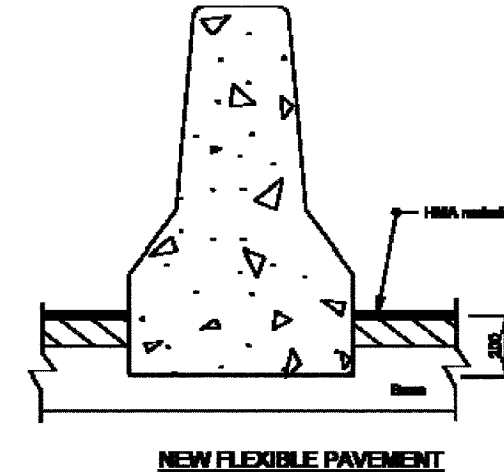
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	122
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



NEW RIGID PAVEMENT

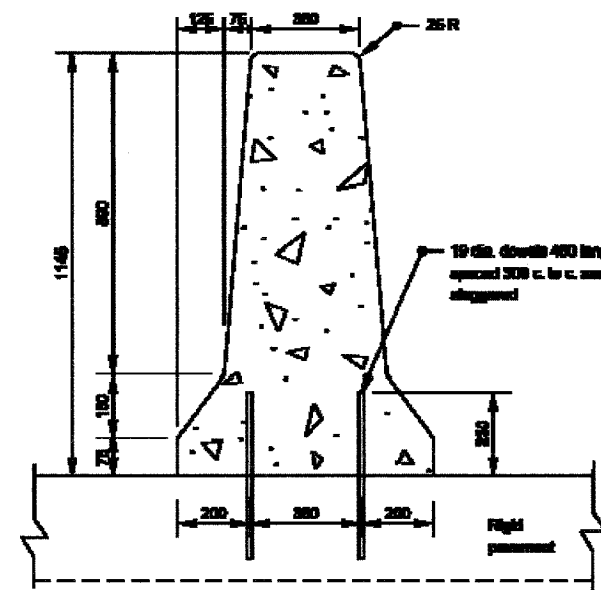


NEW HMA OVERLAY OVER EXISTING RIGID PAVEMENT



NEW FLEXIBLE PAVEMENT

840 HEIGHT CONCRETE BARRIER WALL



CONCRETE BARRIER WITH RIGID PAVEMENT

1145 HEIGHT CONCRETE BARRIER WALL

NOTES:

- ① 13 Preformed Joint Filler.

All Dimensions are in mm unless otherwise specified

INDIANA DEPARTMENT OF TRANSPORTATION

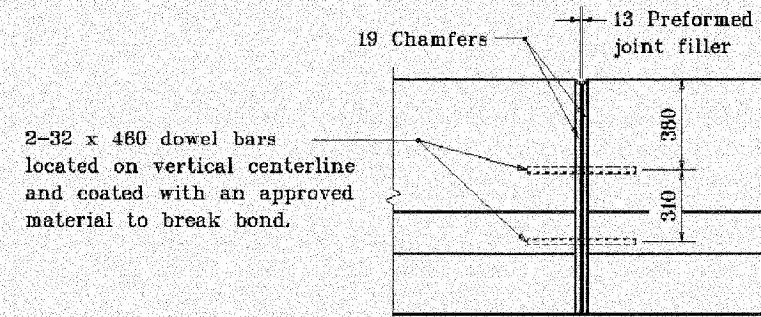
CONCRETE BARRIER DETAILS

MARCH 2005

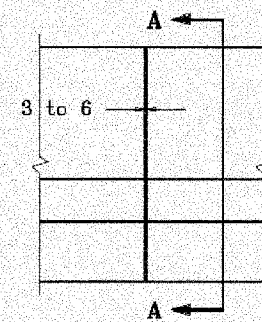
STANDARD DRAWING NO. 802-CCMB-04

	<i>/s/ Richard L. VanCleave</i> 3/05 <small>REGISTERED PROFESSIONAL ENGINEER</small>
	<i>/s/ Richard L. VanCleave</i> 3/05 <small>CHIEF HIGHWAY ENGINEER</small>

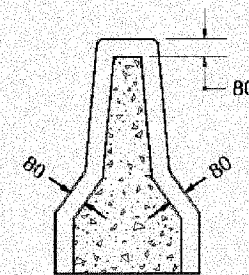
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	123
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



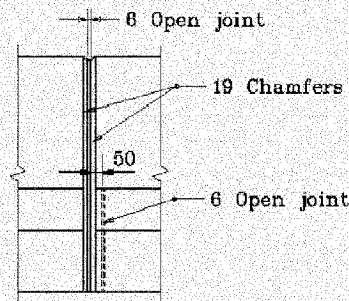
JOINT A



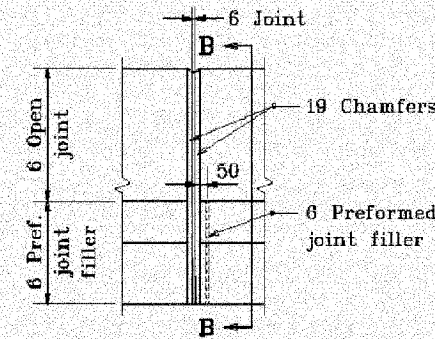
JOINT B



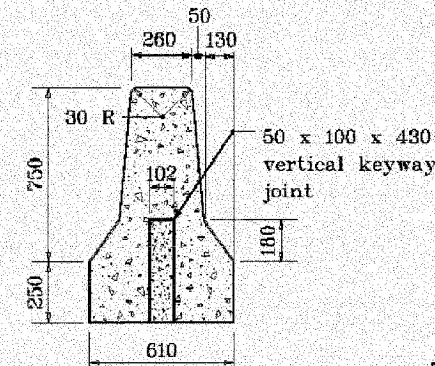
SECTION A-A



JOINT C



JOINT D



SECTION B-B

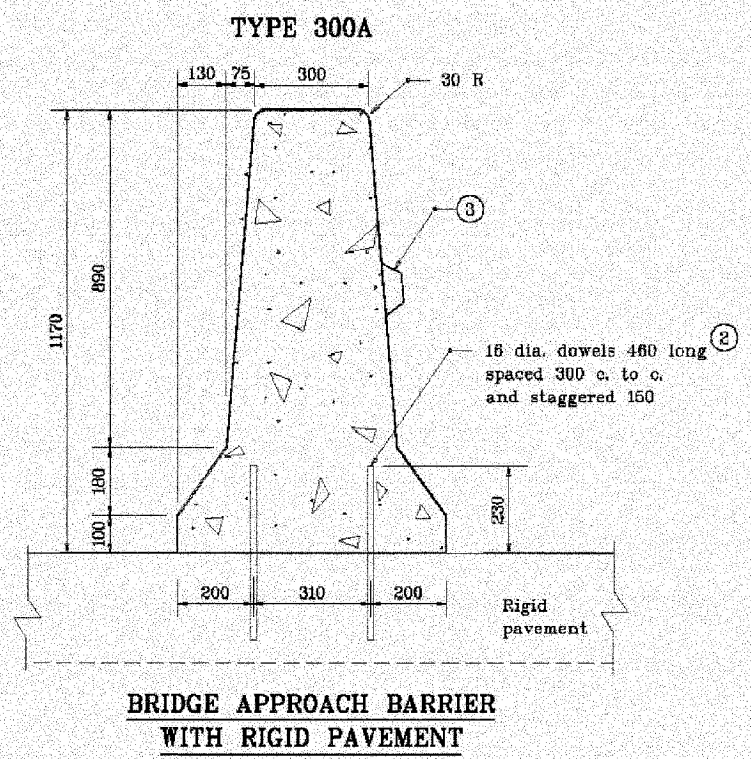
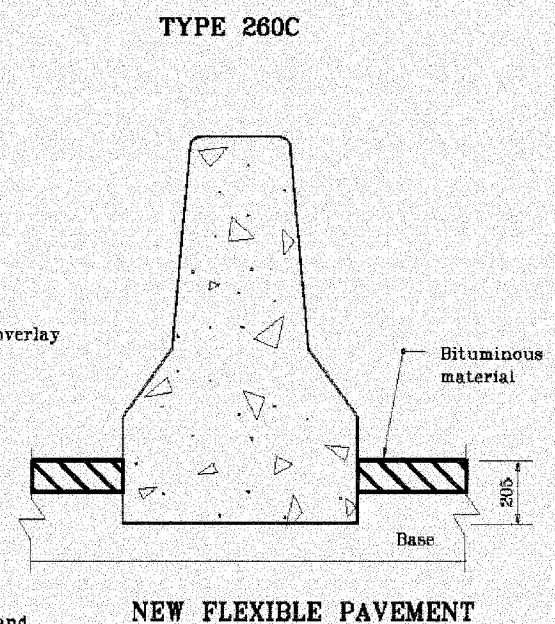
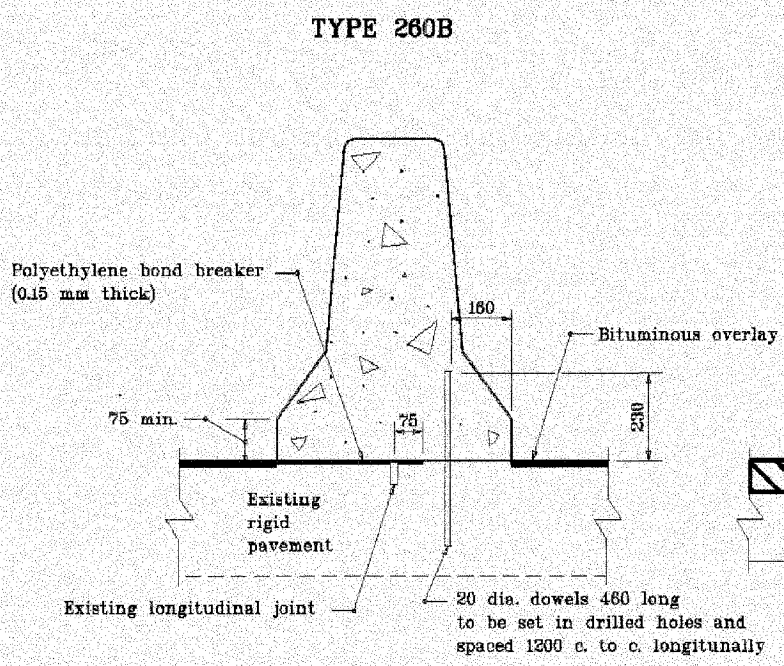
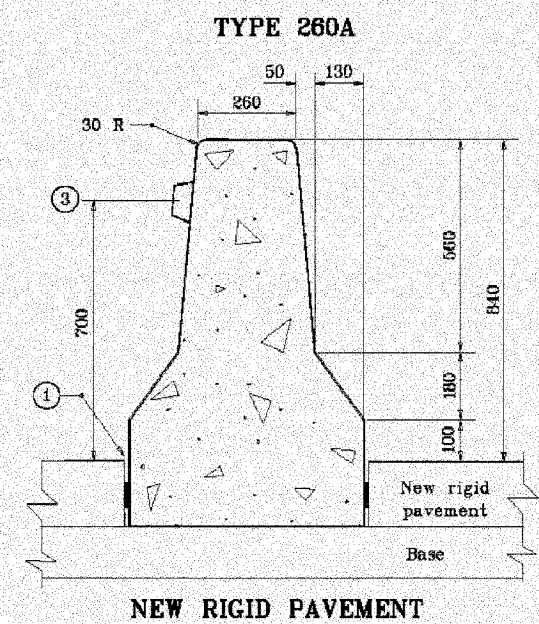
All dimensions are in mm unless otherwise specified.
INDIANA DEPARTMENT OF TRANSPORTATION

CONCRETE MEDIAN BARRIER

11/16/00

602-R-388d
1 of 5

602-R-388d
2 of 5



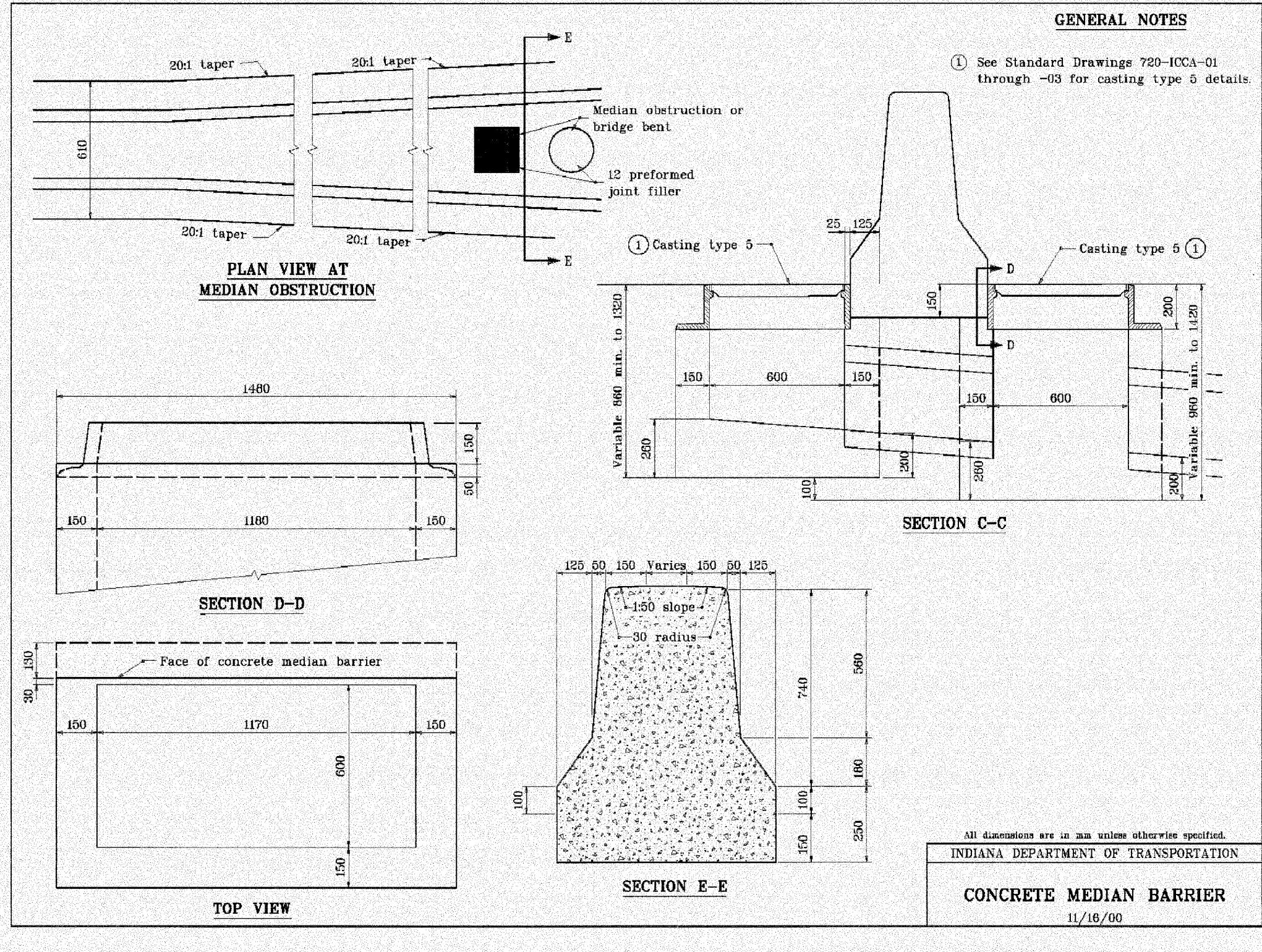
NOTES:

- ① If concrete pavement or concrete shoulder abuts the concrete median barrier, a 6 mm preformed joint filler shall be placed between the barrier and the pavement.
- ② Dowels shall be either drilled and grouted or driven on existing rigid pavement.
- ③ Reflectors on concrete median barrier shall be spaced at a minimum of 12 m and shall be centered 700 above the surface of adjacent pavement or shoulder on both sides if traffic is on both sides.

All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION
CONCRETE MEDIAN BARRIER
11/15/00

F.A.I. RTE. 80/94	SECTION 2626.2-R-2	COUNTY COOK/LAKE	TOTAL SHEETS 1207	SHEET NO. 124A
STA.	TO STA.			
FED. ROAD DIST. NO. CONTRACT NO. 62114	ILLINOIS	FED. AID PROJECT INDOT DES. NO. 0100987		

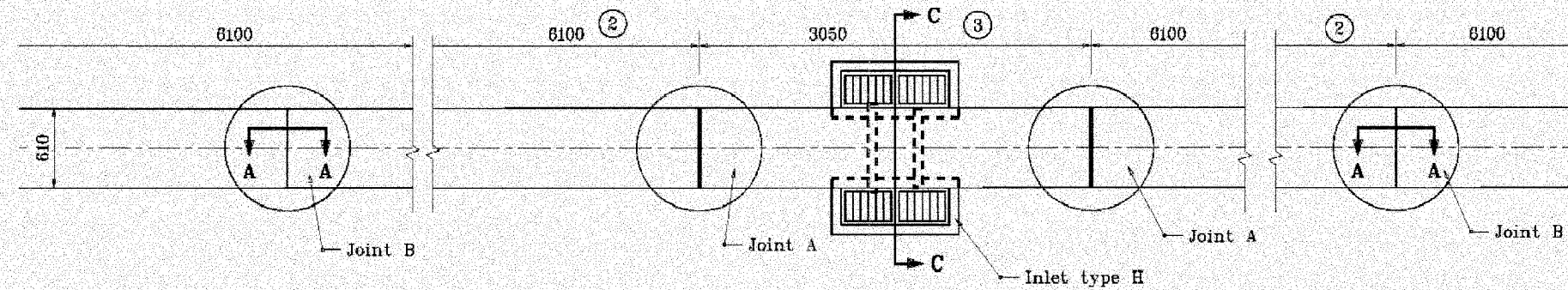


602-R-388d
3 of 5

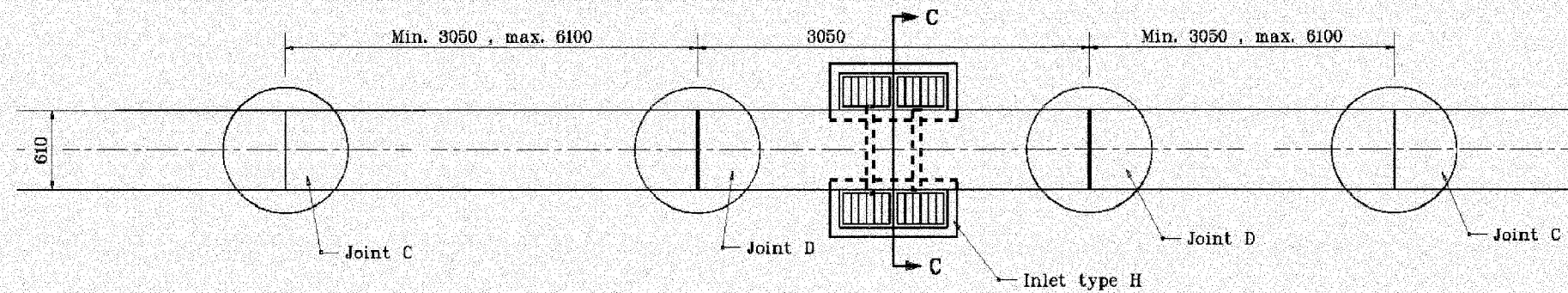
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	124B
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			

GENERAL NOTES

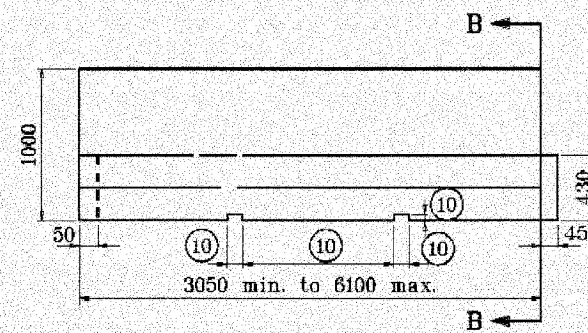
1. See Standard Drawing 602-CCMB-04 for Section C-C.
2. See Standard Drawing 602-CCMB-01 for joint details and Sections A-A and B-B.
3. See Standard Drawing 602-CCMB-06 for additional general notes.



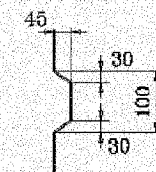
**PLAN VIEW FOR FORMED
IN PLACE OR SLIP FORMED**



PLAN VIEW FOR PRECAST



SIDE VIEW



KEYWAY DETAIL

PRECAST SECTION

All dimensions are in mm unless otherwise specified.
INDIANA DEPARTMENT OF TRANSPORTATION

CONCRETE MEDIAN BARRIER

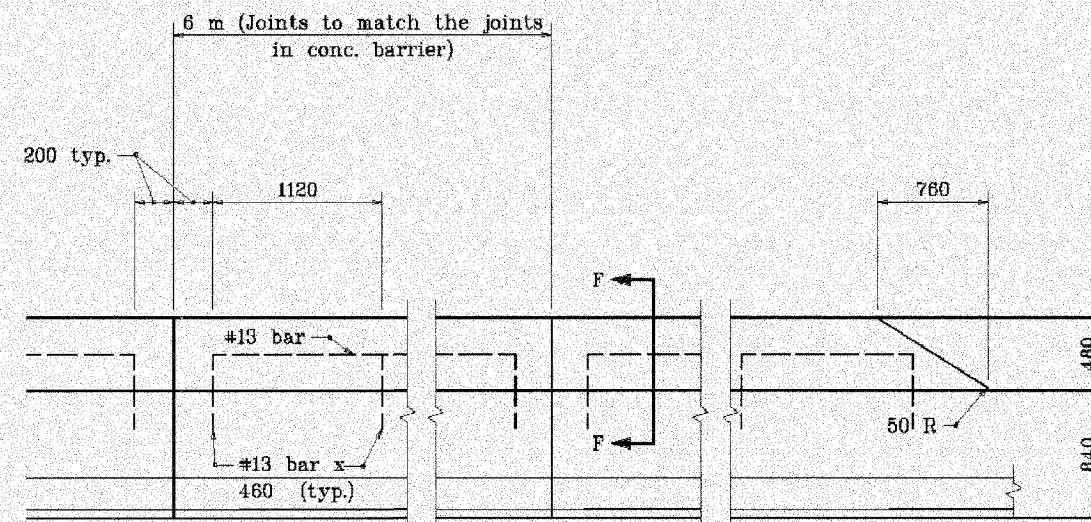
11/16/00

602-R-388d
4 of 5

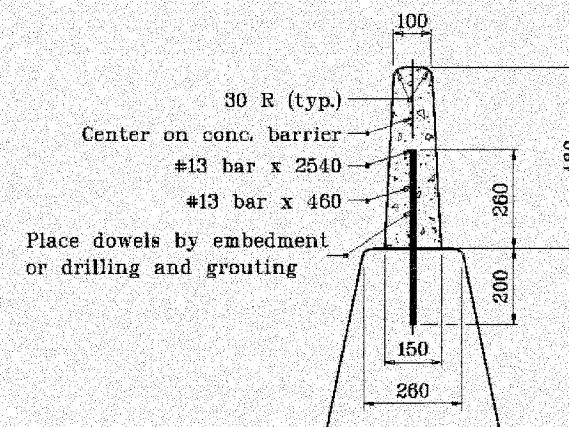
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	124C
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			

GENERAL NOTES

1. Cast-in-place or slip-formed concrete median barrier shall have a joint type A at each end of each section containing an inlet type H-5 and 3000 from each end of a median bridge pier or bent. Precast concrete median barrier shall have a joint type D at each end of section containing an inlet type H-5. Joints type B and C shall be located and spaced as shown.
2. If concrete pavement or concrete shoulder abuts the concrete median barrier, a 6 preformed joint filler shall be placed between the barrier and the pavement.
3. The maximum spacing between type A joints shall be 120 m.
4. Each inlet type H-5 shall include two inlet boxes, the connector pipe between the inlet boxes, and two castings type 5.
5. All median obstructions shall be constructed as shown.
6. At a median bridge pier, the faces of the concrete median barrier shall be transitioned at a 20:1 taper to match the configuration of the pier stem. At a median bridge bent, the faces of the concrete median barrier shall be transitioned at a 20:1 taper to match the configuration of the crash wall. If the height of the crash wall is less than the height of the concrete median barrier, the height of the crash wall shall be increased, as detailed elsewhere on the plans, to match the height of the concrete median barrier.
7. When specified as an end treatment for concrete median barrier, the G.R.E.A.T. unit shall be designated by the number of bays based on design speed as shown in Table 1 on Standard Drawing 602-CCMB-03.
8. If median highway illumination is specified, in conjunction with concrete median barrier, installation shall be as detailed elsewhere in the plans.
9. Precast concrete median barrier shall have threaded inserts cast into each section, a minimum of 6 below the surface, and embedded to a depth sufficient to develop adequate strength to allow the safe lifting of the section. Lifting slots will be permitted in addition to the inserts. The dimensions and locations of these slots may be adjusted to accommodate variations in handling equipment.



ELEVATION



SECTION F-F

CONCRETE GLARE SCREEN

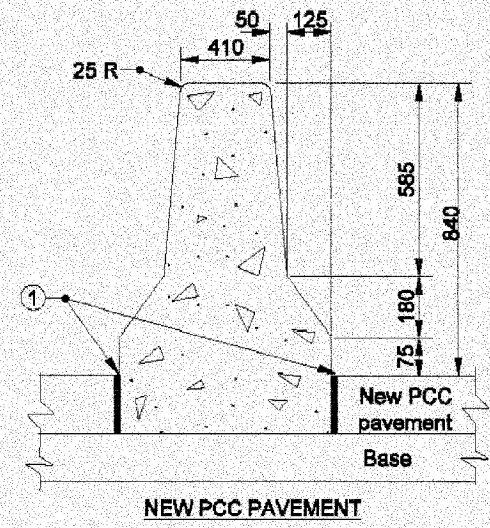
All dimensions are in mm unless otherwise specified.
INDIANA DEPARTMENT OF TRANSPORTATION

CONCRETE MEDIAN BARRIER

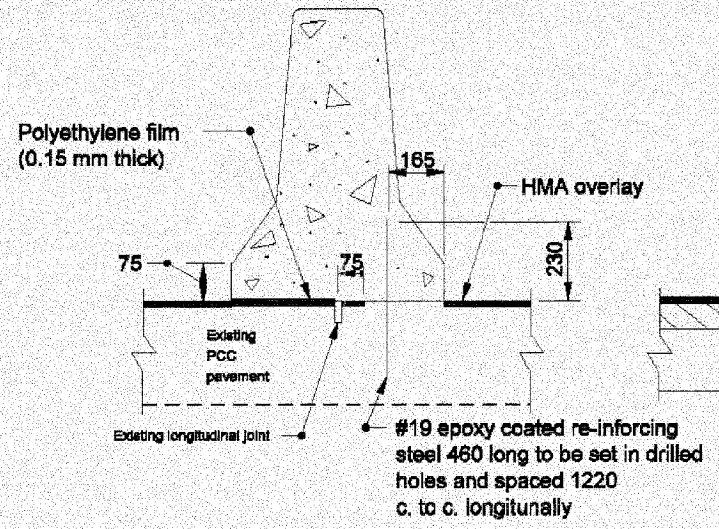
11/16/00

602-R-208d
5 of 5

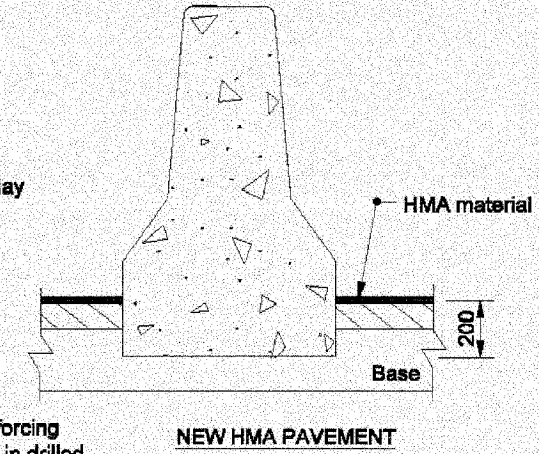
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80/94	2626.2-R-2	COOK/LAKE	1207	1240
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114		INDOT DES. NO. 0100987		



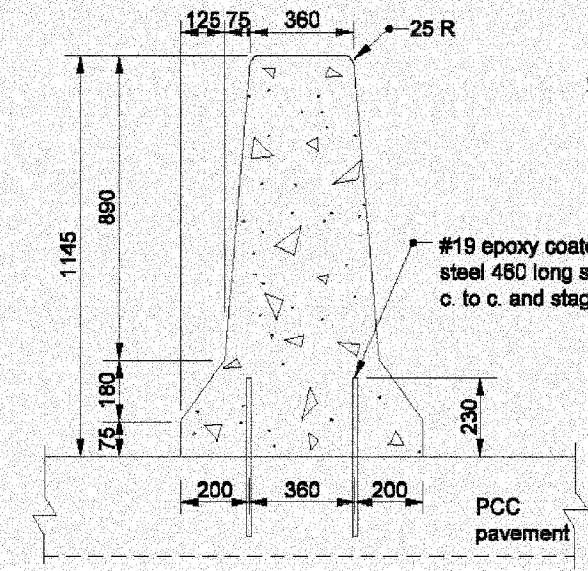
NEW PCC PAVEMENT



NEW HMA OVERLAY OVER EXISTING PCC PAVEMENT



NEW HMA PAVEMENT



CONCRETE BARRIER WITH PCC PAVEMENT

1145 HEIGHT CONCRETE BARRIER WALL

840 HEIGHT CONCRETE BARRIER WALL

NOTES:

- ① 13 Preformed Joint Filler.

All dimensions are in mm unless otherwise specified

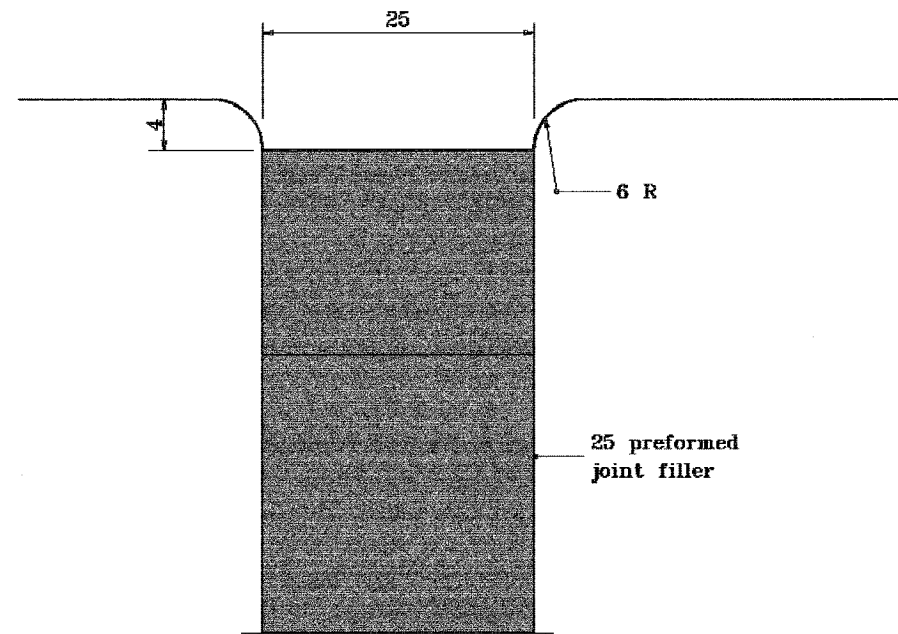
INDIANA DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER DETAILS

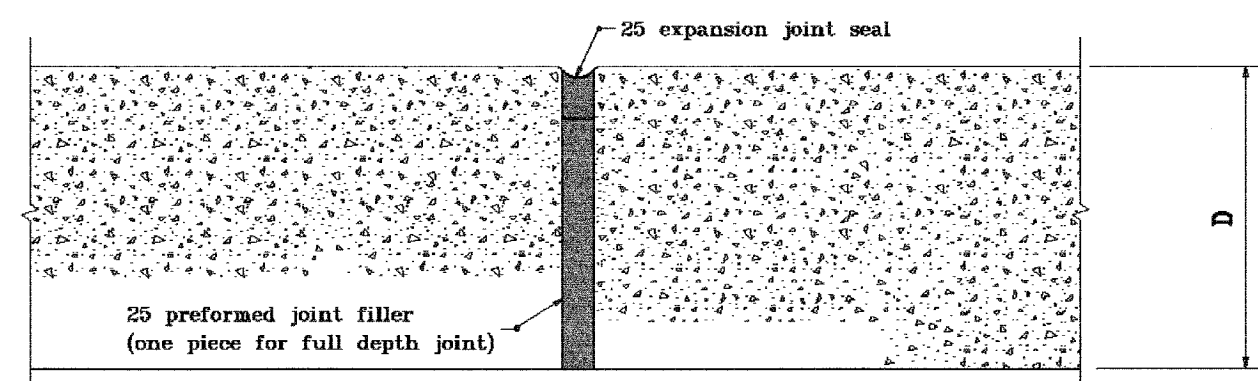
602-R-494d

4-21-05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	125
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



SILICONE JOINT SEALANT



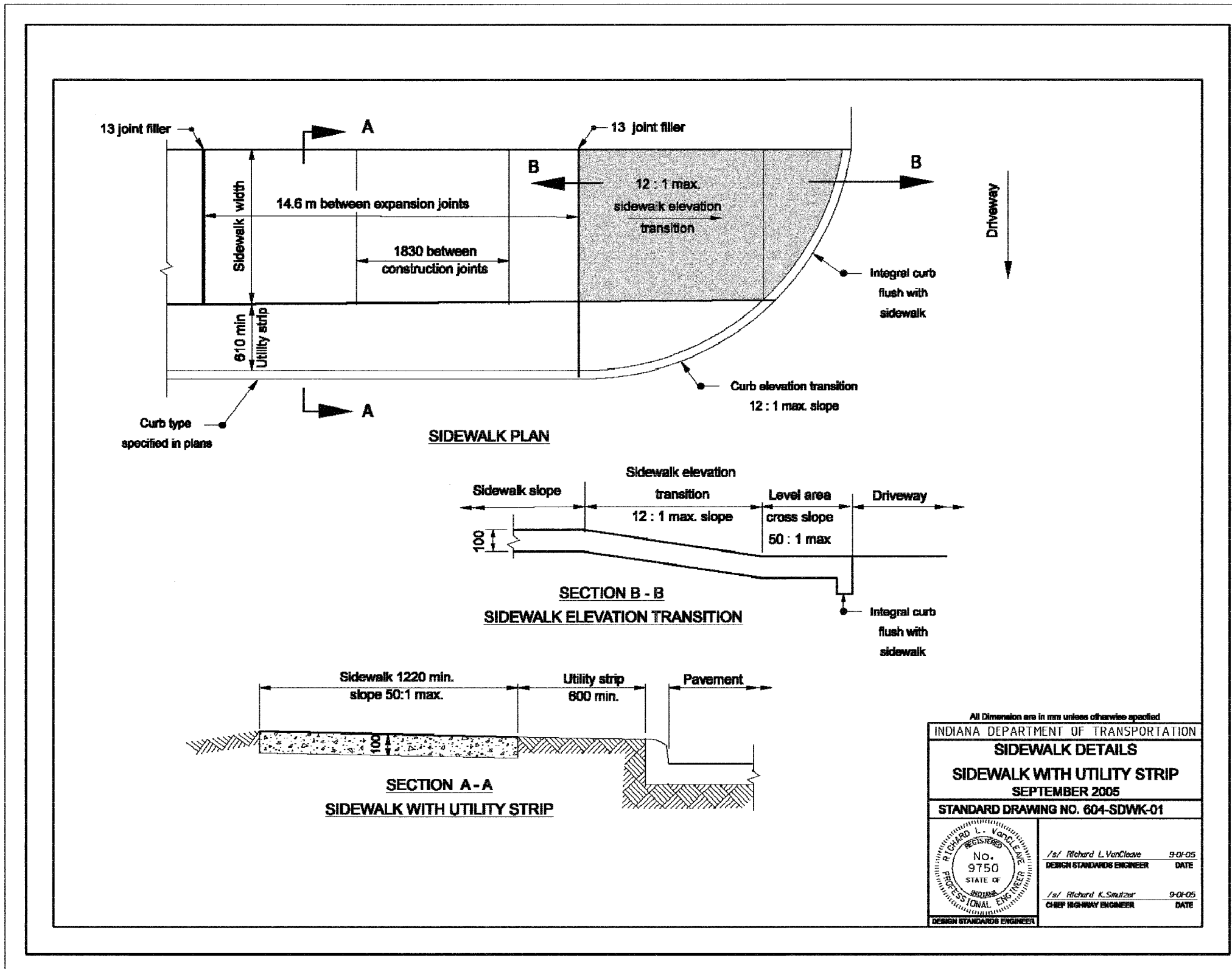
SECTION THROUGH JOINT

All dimensions are in mm unless otherwise specified.

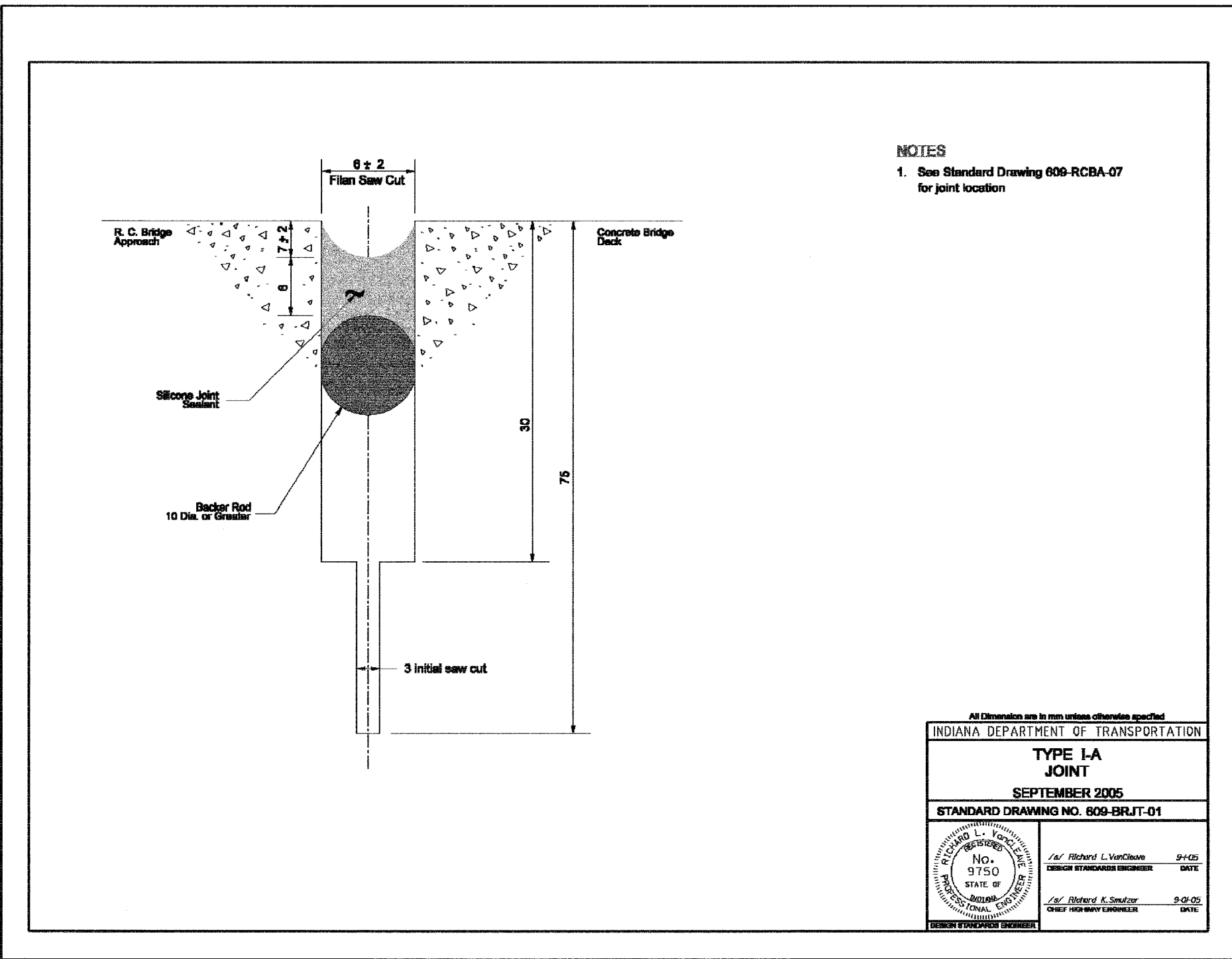
INDIANA DEPARTMENT OF TRANSPORTATION	
SIDEWALK EXPANSION JOINT	
SEPTEMBER 1999	
STANDARD DRAWING NO. 604-CCSJ-01	
	/s/ Anthony L. Uremovich 9-01-99 DESIGN STANDARDS ENGINEER DATE
	/s/ Donald W. Lucas 9-01-99 CHIEF HIGHWAY ENGINEER DATE

Source Sheet: CCPJ5

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	126
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	127
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



All Dimension are in mm unless otherwise specified

INDIANA DEPARTMENT OF TRANSPORTATION

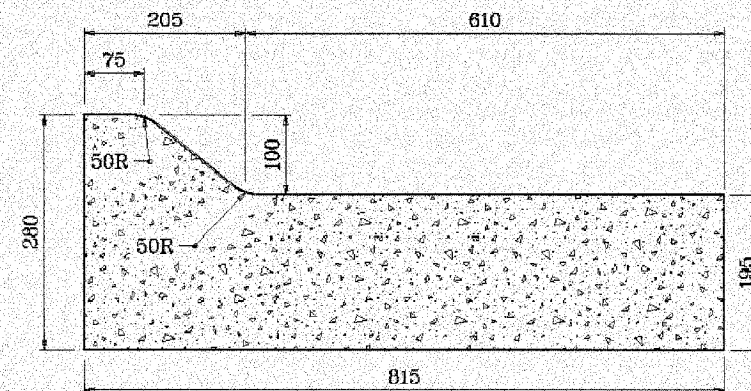
**TYPE I-A
JOINT**

SEPTEMBER 2005

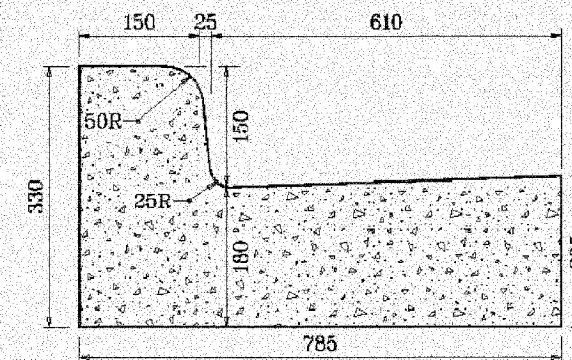
STANDARD DRAWING NO. 609-BRJT-01

	/s/ Richard L. VanCleave 9-4-05 DESIGN STANDARDS ENGINEER DATE
	/s/ Richard K. Smutzer 9-01-05 CHIEF HIGHWAY ENGINEER DATE

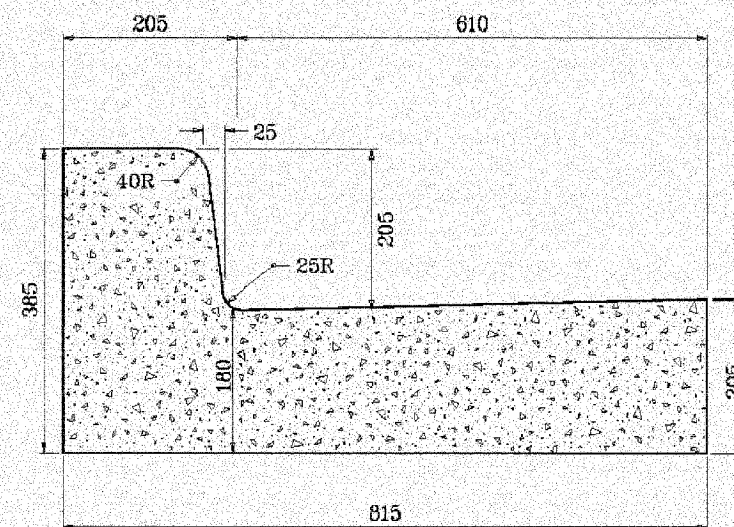
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80/94	2626.2-R-2	COOK/LAKE	1207	127A
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



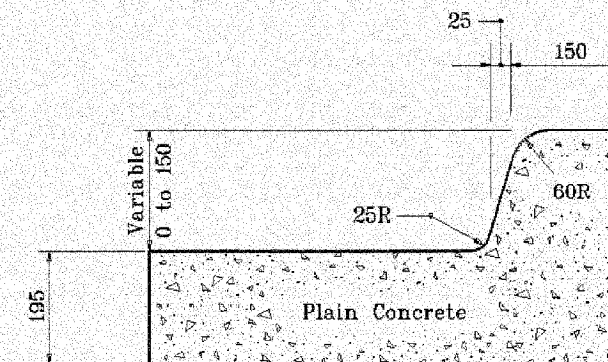
COMBINED CONCRETE CURB
AND GUTTER, TYPE B
(MOUNTABLE)



COMBINED CONCRETE CURB
AND GUTTER
(BARRIER)



COMBINED CONCRETE CURB
AND GUTTER, TYPE C
(BARRIER)



MONOLITHIC CURB

All dimensions are in mm unless otherwise specified.

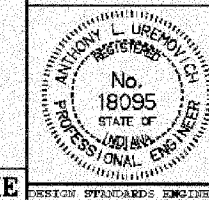
INDIANA DEPARTMENT OF TRANSPORTATION

COMBINED CONCRETE CURB

AND GUTTER

SEPTEMBER 1999

STANDARD DRAWING NO. 605-CCCG-01

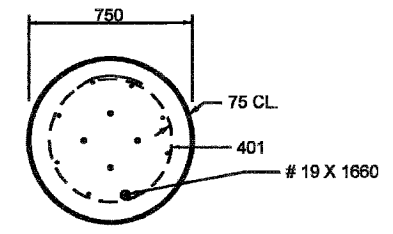
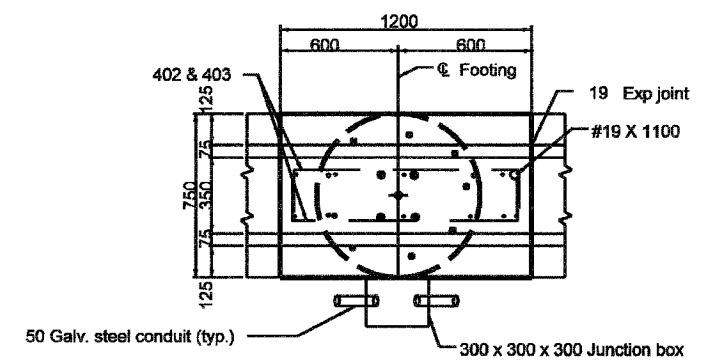


/s/ Anthony L. Uremovich 9-01-99
DESIGN STANDARDS ENGINEER DATE

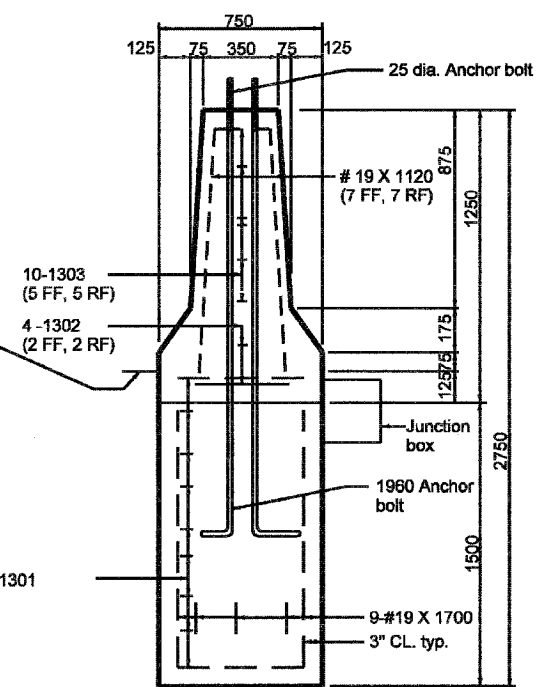
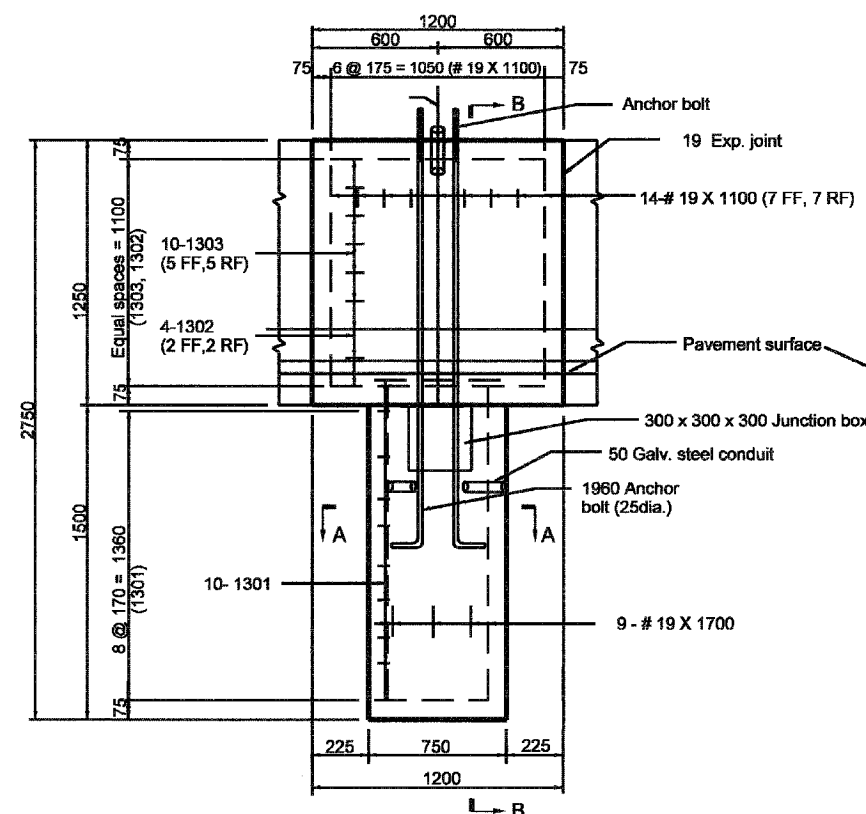
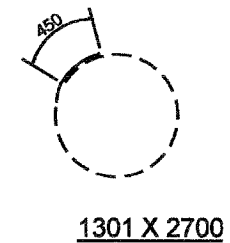
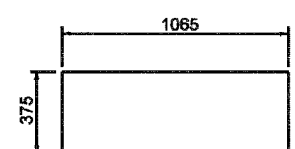
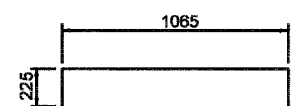
/s/ Donald W. Lucas 9-01-99
CHIEF HIGHWAY ENGINEER DATE

Source Sheet: ME

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	128
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



- Notes:
- Junction box shall meet the following specifications:
 - Material: Polymer concrete
 - Color: Concrete gray
 - Cover rating: 20,000 lbs.



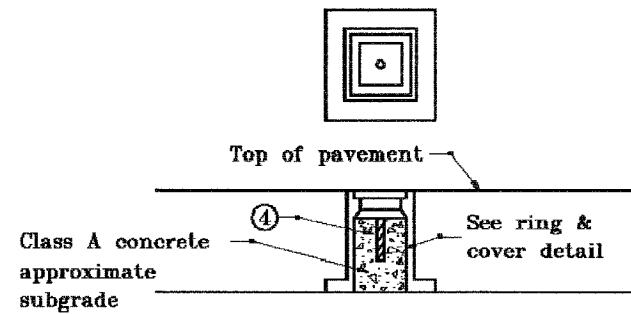
All Dimension are in mm unless otherwise specified

INDIANA DEPARTMENT OF TRANSPORTATION
CONVENTIONAL LIGHT FOUNDATION
FOR 1145 CONCRETE MEDIAN WALL
INSTALLATION.
 SEPTEMBER 2002

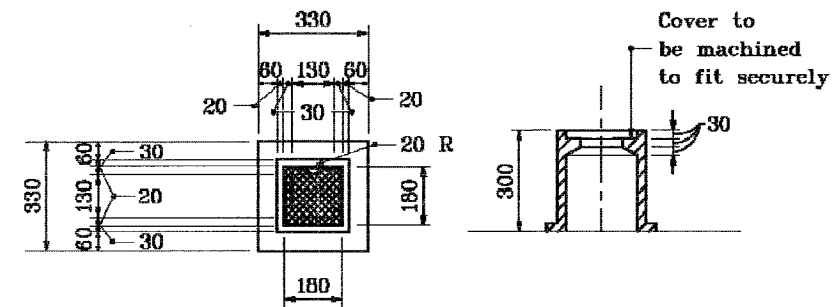
STANDARD DRAWING NO. 807-LTFD-10

	<i>/s/ Richard L. VanCleave</i> DESIGN STANDARDS ENGINEER DATE 9-03-02
	<i>/s/ Richard H. Smutzer</i> CHIEF HIGHWAY ENGINEER DATE 9-03-02

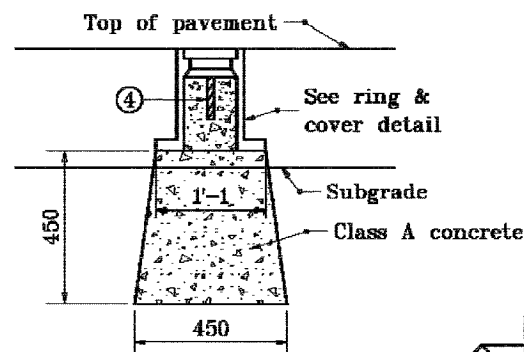
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	129
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO.	0100987		



INSTALLATION FOR VITRIFIED BRICK OR BITUMINOUS SURFACE ON CONCRETE BASE (TYPE A)

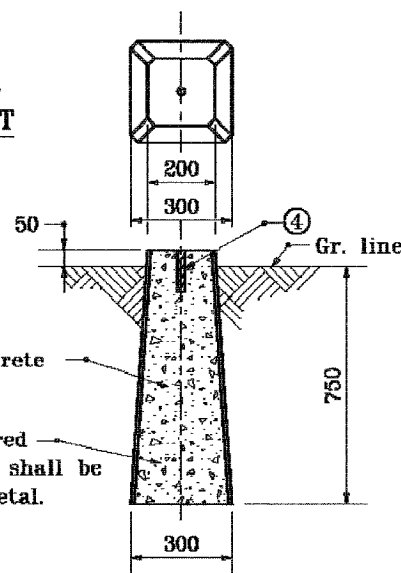


SURVEY LINE MONUMENT RING & COVER



INSTALLATION FOR CONCRETE PAVEMENT (TYPE D)

INSTALLATION FOR FLEXIBLE PAVEMENT (TYPE B)



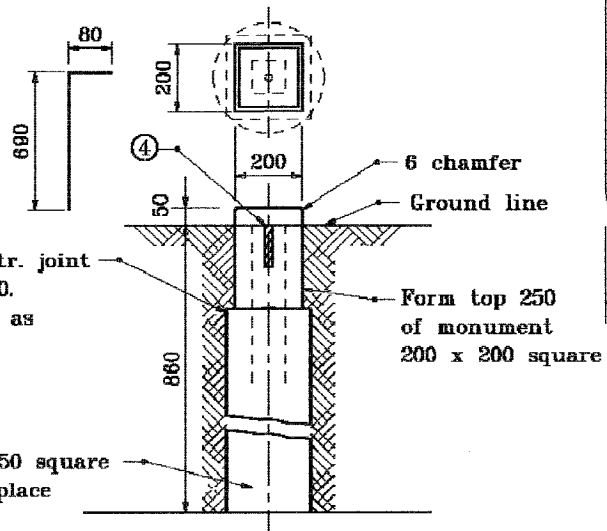
INSTALLATION OUTSIDE OF PAVEMENT (TYPE C)

Where monument is required inside of surfaced area it shall be set with the top below metal.

#13 for optional constr. joint

Optional constr. joint 4 - #13 x 760. Bend in field as shown.

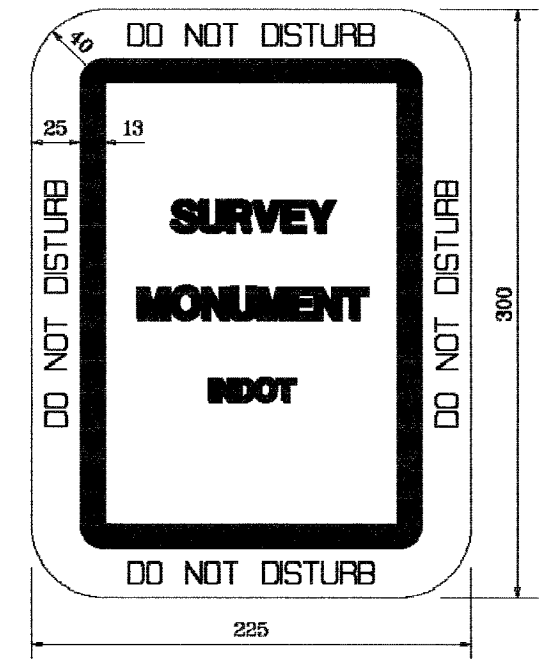
300# or 250 x 250 square hole poured in place class C concrete.



OPTIONAL INSTALLATION FOR TYPE C MONUMENT

GENERAL NOTES

1. Sign shall be white background with black copy.
2. One steel type A or 100 x 100 wood post required.
3. Letter height shall be as follows:
Border: 13 series D
Line 1: 25 series B
Line 2: 25 series B
Line 3: 25 series B
4. 25# x 125 steel rod



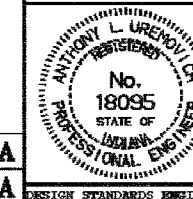
All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION

SURVEY LINE MONUMENTS

SEPTEMBER 1997

STANDARD DRAWING NO. 615-SLMN-01



/s/ Anthony L. Uremovich 9-01-97
DESIGN STANDARDS ENGINEER DATE

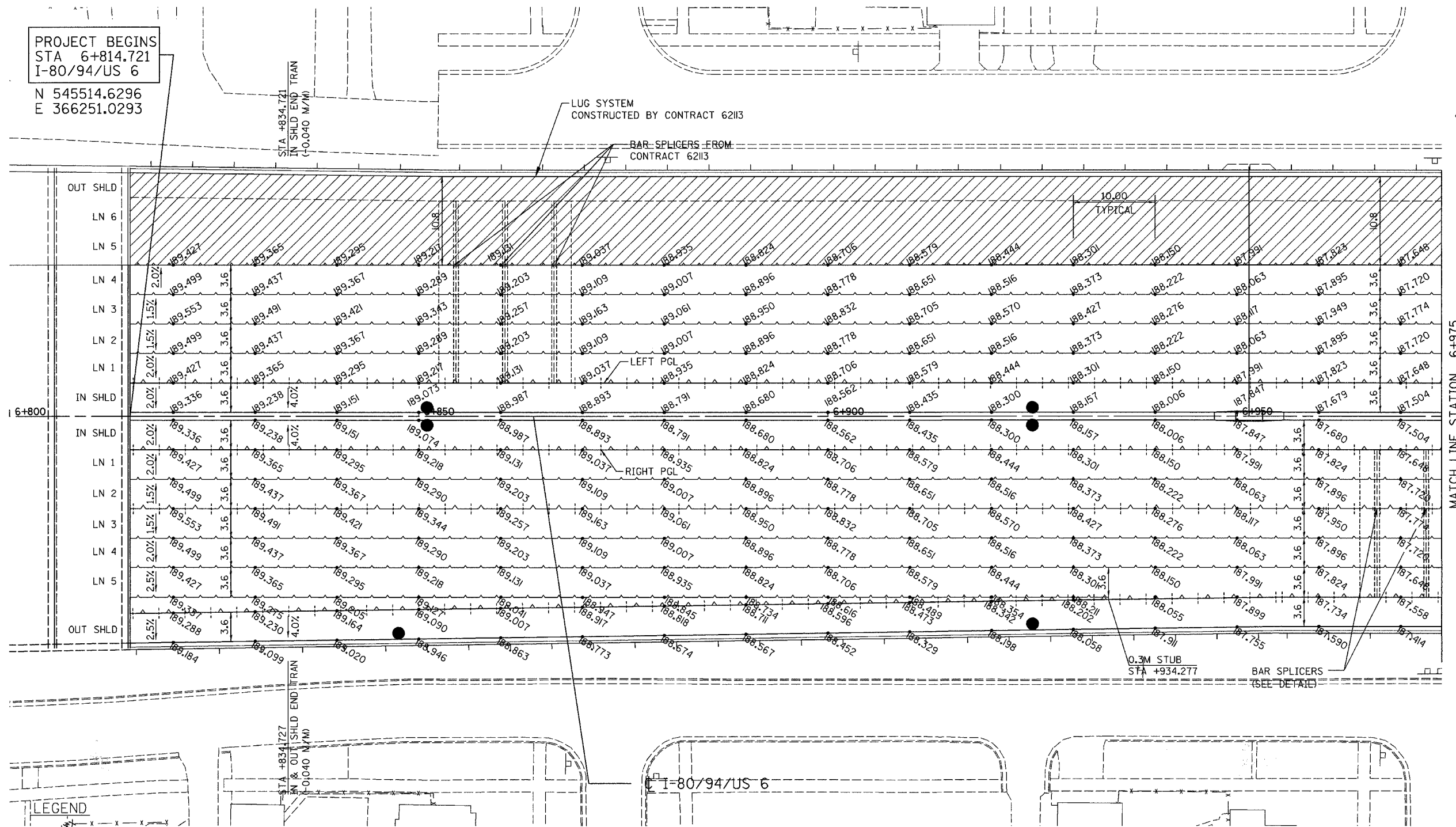
/s/ Donald W. Lucas 9-01-97
CHIEF HIGHWAY ENGINEER DATE

Source Sheet: DET 3A
Source Sheet: MA

ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

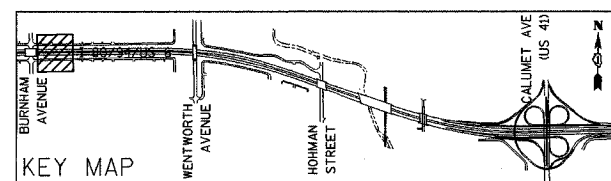
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	130
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			

PROJECT BEGINS
STA 6+814.721
I-80/94/US 6
N 545514.6296
E 366251.0293



LEGEND

- PAVEMENT ELEVATION (METERS)
- LONGITUDINAL JOINT
- LONGITUDINAL CONSTRUCTION JOINT
- PAVEMENT SWALE
- EXISTING PAVEMENT BY CONTRACT 62113



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6 (KINGERY EXPRESSWAY)
BURNHAM ROAD TO US 41 (CALUMET AVE)
PAVEMENT JOINTS AND ELEVATIONS
I-8094US 6
STA 6+814.721 TO STA 6+975
SCALE 1:250 DRAWN BY ACE/CAD
DATE 07/05 CHECKED BY TAE

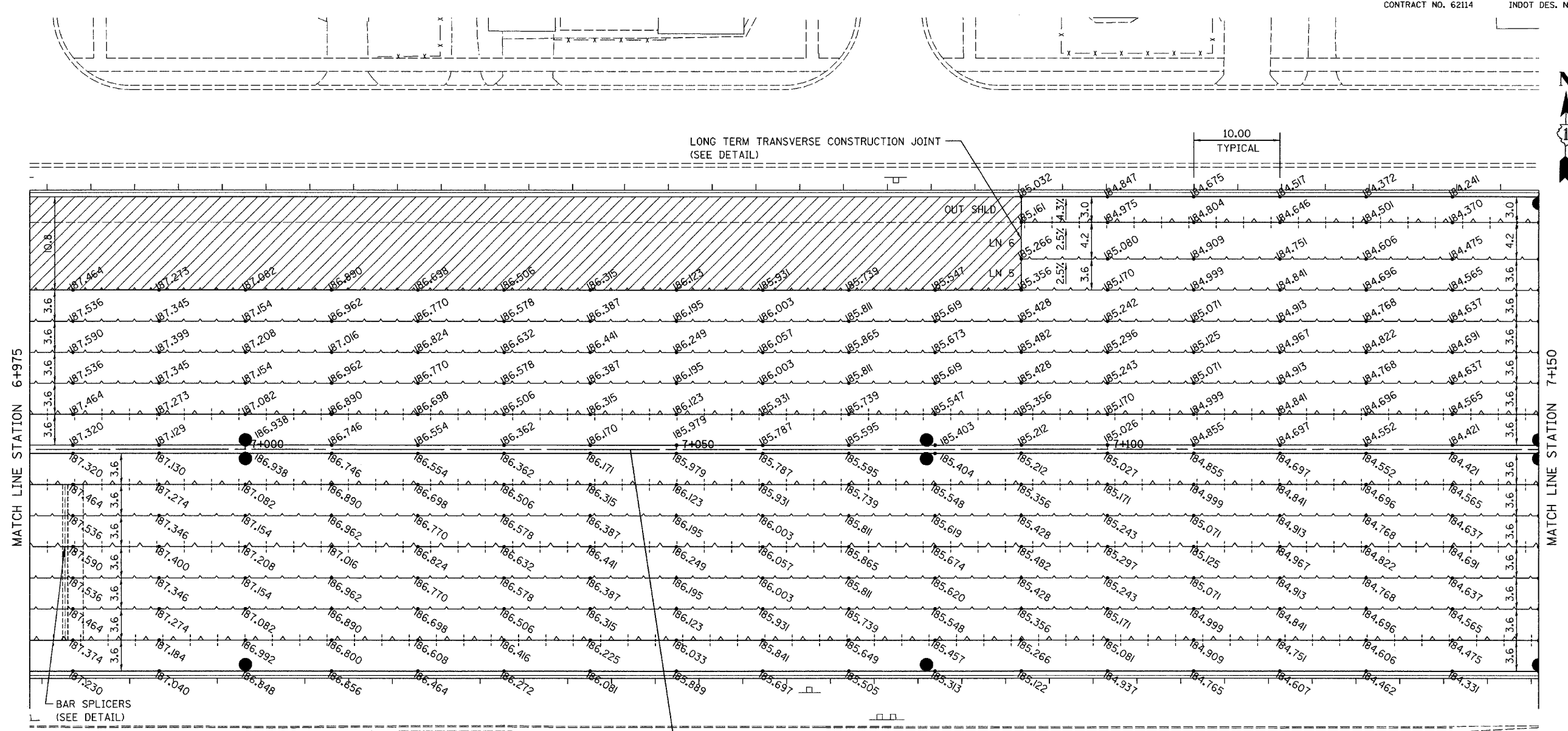
AMERICAN
CONSULTING ENGINEERS



MATCH LINE STATION 6+975

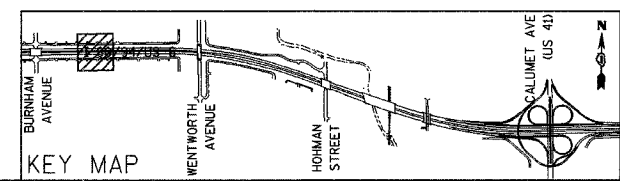
ALL DIMENSIONS IN METERS EXCEPT PAVEMENT ELEVATIONS AND UNLESS NOTED OTHERWISE

F.A.I. RTE. 80/94	SECTION 2626.2-R-2	COUNTY COOK/LAKE	TOTAL SHEETS 1207	SHEET NO. 131
STA. 6+975		TO STA. 7+150		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62114		INDOT DES. NO. 0100987		



LEGEND

- XXX.XXX PAVEMENT ELEVATION (METERS)
- LONGITUDINAL JOINT
- - - LONGITUDINAL CONSTRUCTION JOINT
- PAVEMENT SWALE
- ▨ EXISTING PAVEMENT BY CONTRACT 62113



REVISIONS	
NAME	DATE

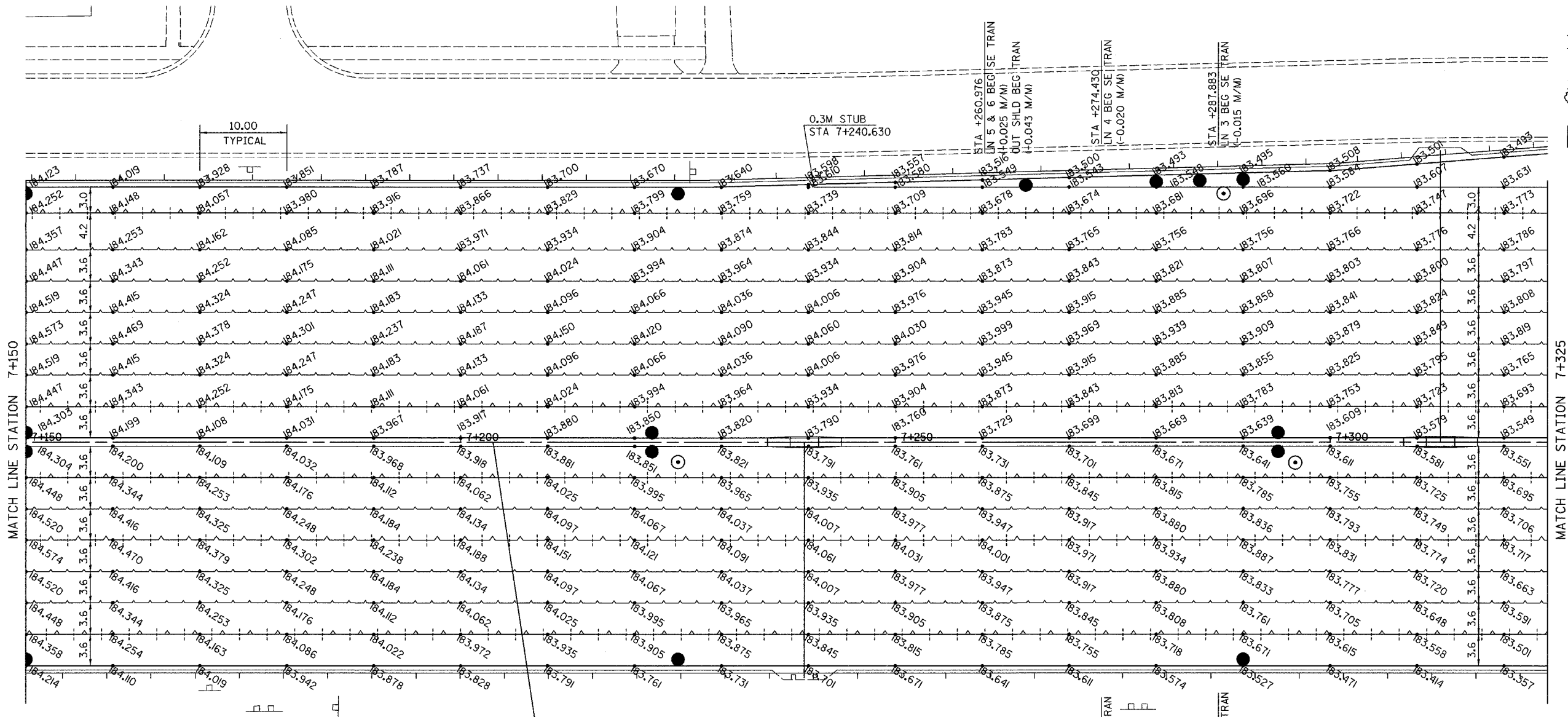
ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6 (KINGERY EXPRESSWAY)
 BURNHAM ROAD TO US 41 (CALUMET AVE)
PAVEMENT JOINTS AND ELEVATIONS
 I-80/94/US 6
STA 6+975 TO STA 7+150
 SCALE 1:250 DRAWN BY ACE/CAD
 DATE 07/05 CHECKED BY TAE

AMERICAN
 CONSULTING ENGINEERS



ALL DIMENSIONS IN METERS EXCEPT PAVEMENT ELEVATIONS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	132
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



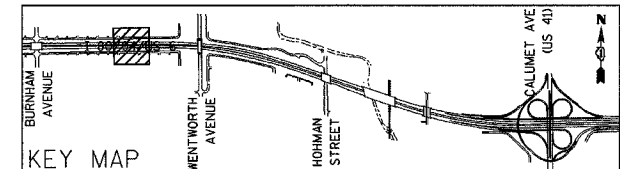
MATCH LINE STATION 7+150

MATCH LINE STATION 7+325

LEGEND

- PAVEMENT ELEVATION (METERS)
- LONGITUDINAL JOINT
- LONGITUDINAL CONSTRUCTION JOINT
- PAVEMENT SWALE
- EXISTING PAVEMENT BY CONTRACT 62113

CL I-80/94/US 6



REVISIONS	
NAME	DATE

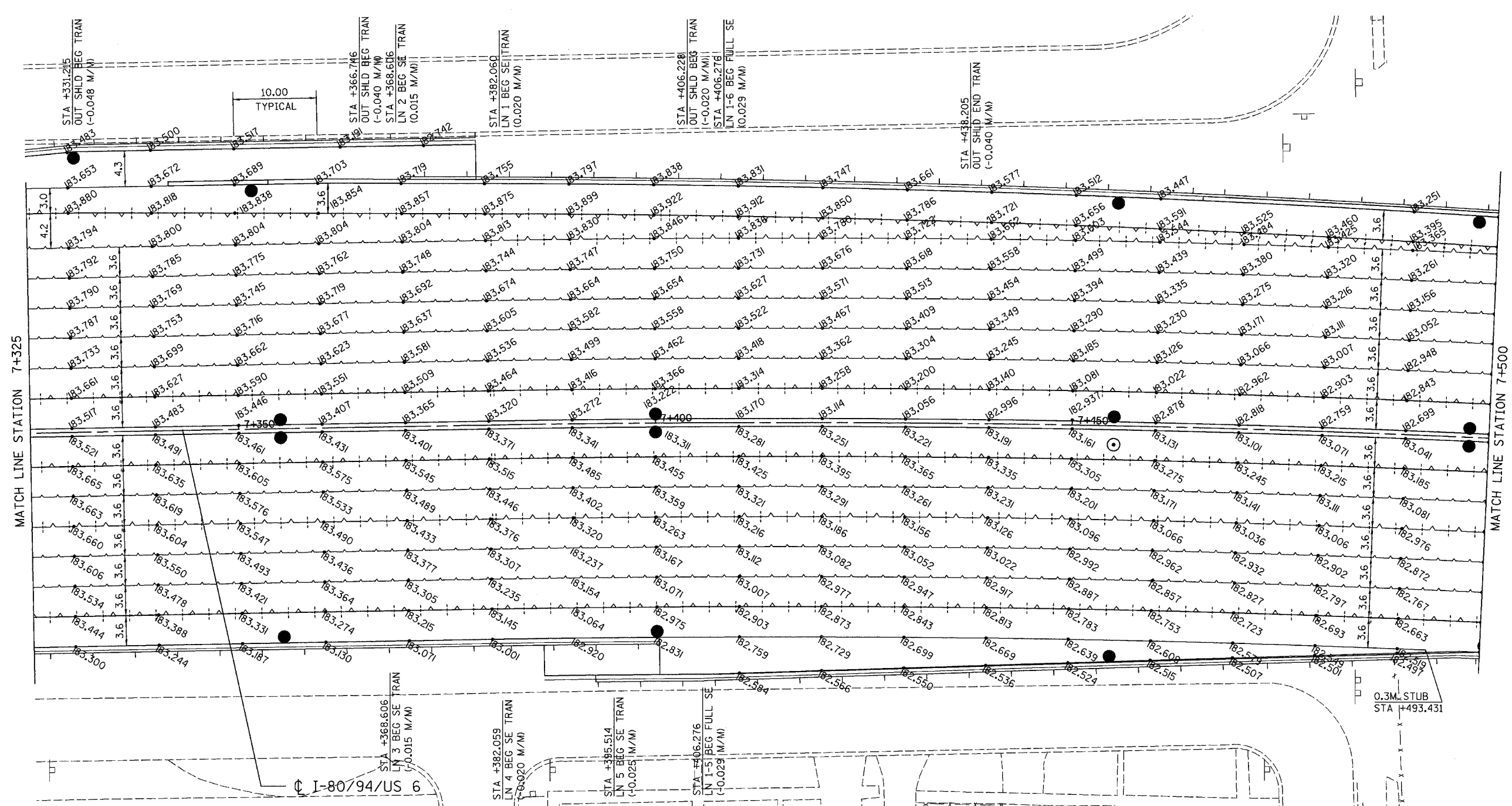
ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6 (KINGERY EXPRESSWAY)
BURNHAM ROAD TO US 41 (CALUMET AVE)

PAVEMENT JOINTS AND ELEVATIONS
I-80/94/US 6
STA 7+150 TO STA 7+325
SCALE 1:250
DATE 07/05
DRAWN BY ACE/CAD
CHECKED BY TAE



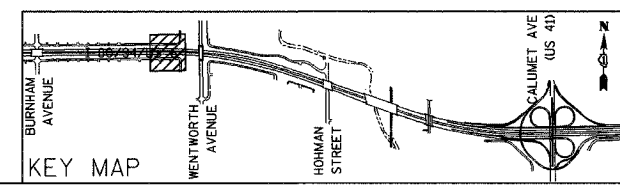
ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE. 80/94	SECTION 2626.2-R-2	COUNTY COOK/LAKE	TOTAL SHEETS 1207	SHEET NO. 133
STA. 7+325		TO STA. 7+500		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



LEGEND

- xxx.xxx PAVEMENT ELEVATION (METERS)
- +—+— LONGITUDINAL JOINT
- +—+— LONGITUDINAL CONSTRUCTION JOINT
- - - - - PAVEMENT SWALE
- ▨ EXISTING PAVEMENT BY CONTRACT 62113



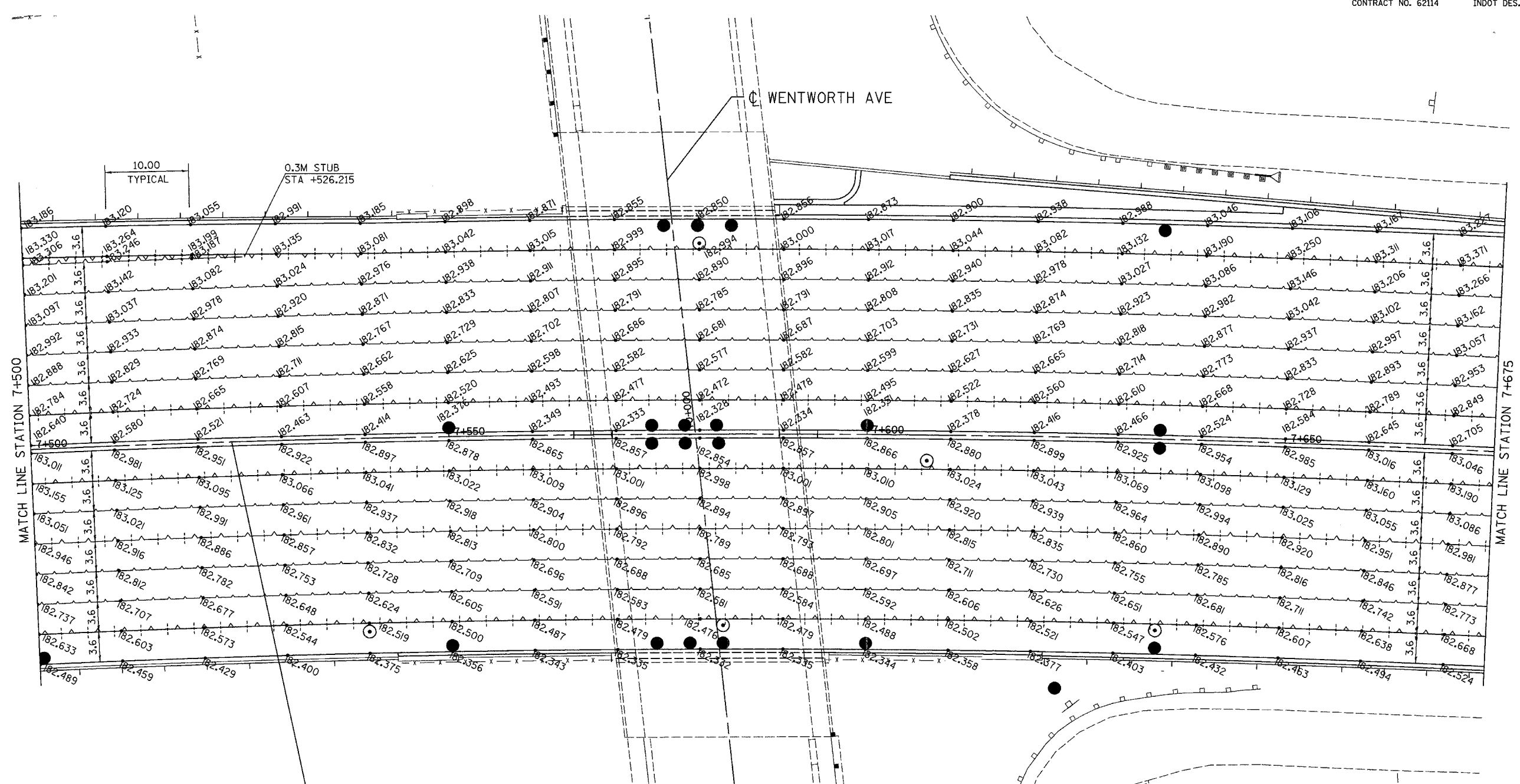
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6 (KINGERY EXPRESSWAY)
 BURNHAM ROAD TO US 41 (CALUMET AVE)
PAVEMENT JOINTS AND ELEVATIONS
I-8094US 6
STA 7+325 TO STA 7+500
 SCALE 1:250 DRAWN BY ACE/CAD
 DATE 07/05 CHECKED BY TAE

AMERICAN
 CONSULTING ENGINEERS

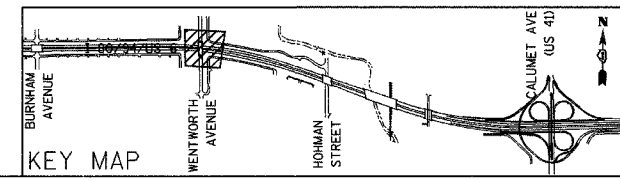
ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE. 80/94	SECTION 2626.2-R-2	COUNTY COOK/LAKE	TOTAL SHEETS 1207	SHEET NO. 134
STA. TO STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62114		INDOT DES. NO. 0100987		



LEGEND

- xxx.xxx PAVEMENT ELEVATION (METERS)
- LONGITUDINAL JOINT
- - - LONGITUDINAL CONSTRUCTION JOINT
- - - PAVEMENT SWALE
- ▨ EXISTING PAVEMENT BY CONTRACT 62113



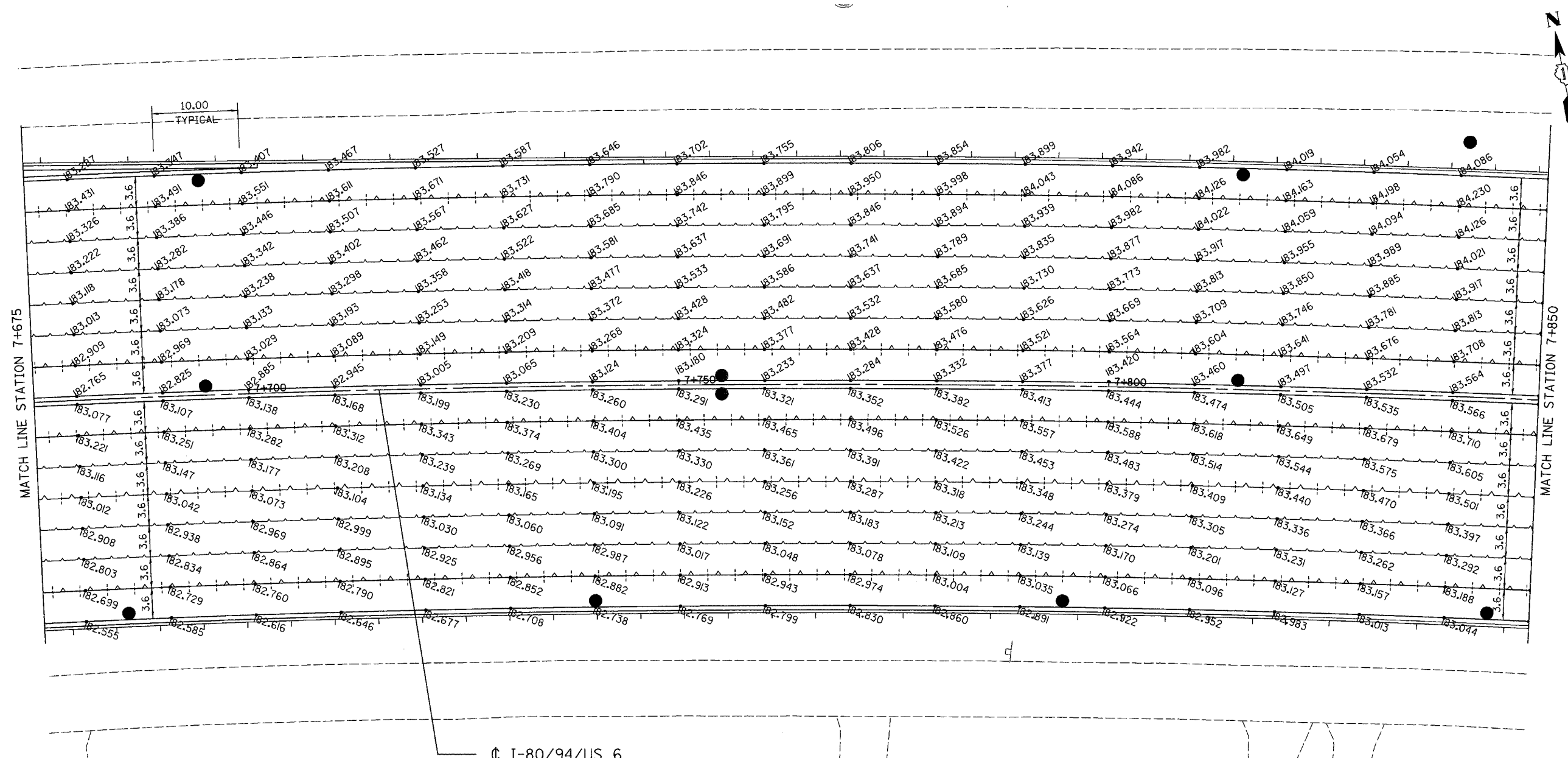
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6 (KINGERY EXPRESSWAY)
 BURNHAM ROAD TO US 41 (CALUMET AVE)
PAVEMENT JOINTS AND ELEVATIONS
 I-8094US 6
 STA 7+500 TO STA 7+675
 SCALE 1:250 DRAWN BY ACE/CAD
 DATE 07/05 CHECKED BY TAE

AMERICAN
 CONSULTING ENGINEERS

ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

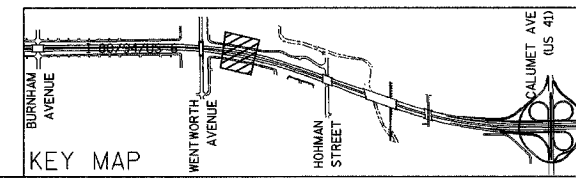
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626,2-R-2	COOK/LAKE	1207	135
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



LEGEND

- xxx.xxx PAVEMENT ELEVATION (METERS)
- — — — — LONGITUDINAL JOINT
- + + + + + LONGITUDINAL CONSTRUCTION JOINT
- - - - - PAVEMENT SWALE
- ▨ EXISTING PAVEMENT BY CONTRACT 62113

⊕ I-80/94/US 6



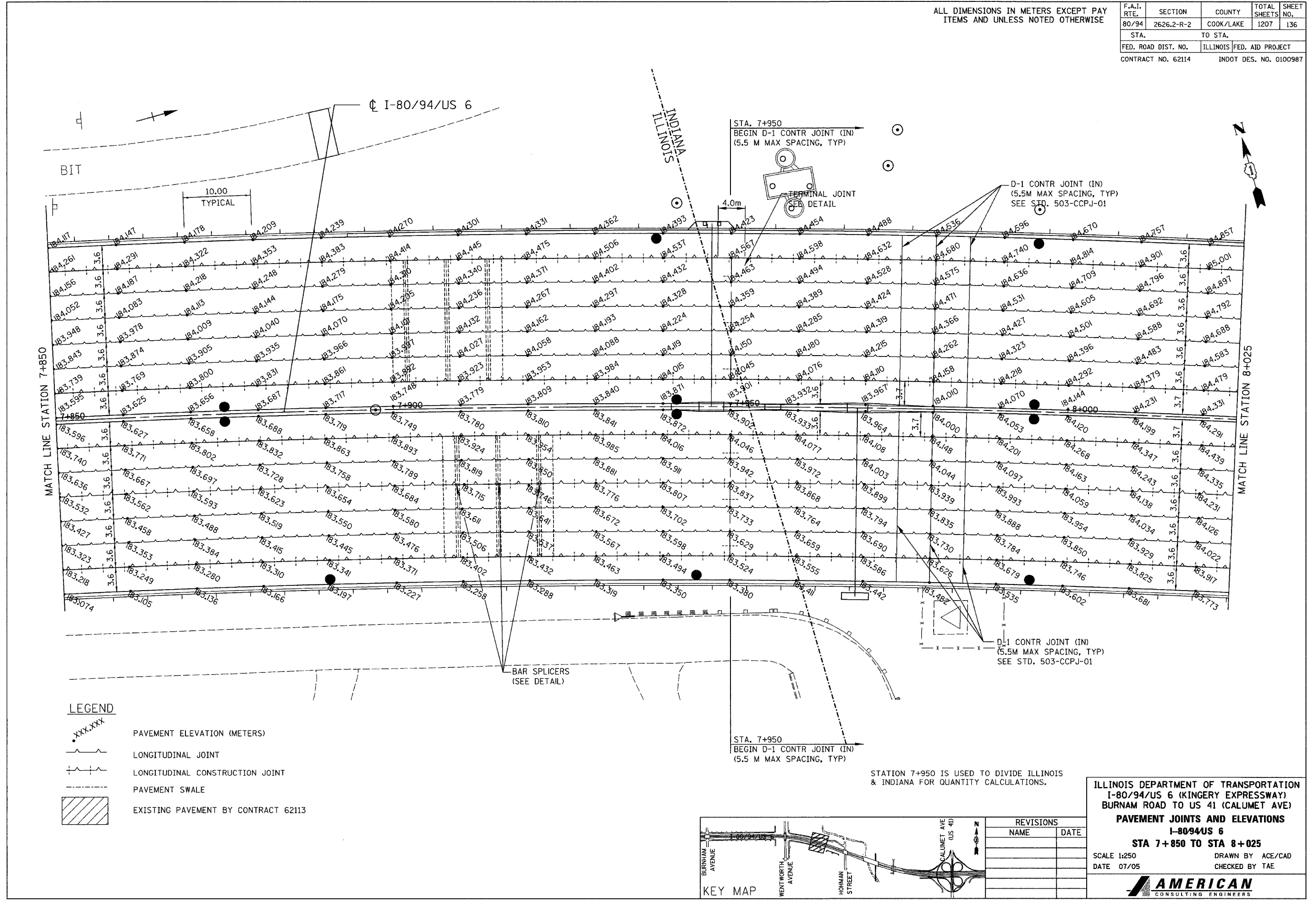
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6 (KINGERY EXPRESSWAY)
 BURNHAM ROAD TO US 41 (CALUMET AVE)
PAVEMENT JOINTS AND ELEVATIONS
I-80/94/US 6
STA 7+675 TO STA 7+850
 SCALE 1:250 DRAWN BY ACE/CAD
 DATE 07/05 CHECKED BY TAE

AMERICAN
 CONSULTING ENGINEERS

ALL DIMENSIONS IN METERS EXCEPT PAVEMENT ELEVATIONS AND UNLESS NOTED OTHERWISE

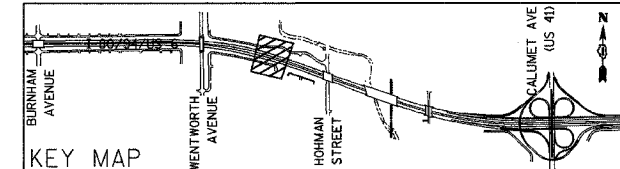
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STA. 7+850	TO STA. 8+025			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62114			INDOT DES. NO. 0100987	



LEGEND

xxx.xxx	PAVEMENT ELEVATION (METERS)
~	LONGITUDINAL JOINT
- - -	LONGITUDINAL CONSTRUCTION JOINT
- - -	PAVEMENT SWALE
▨	EXISTING PAVEMENT BY CONTRACT 62113

STATION 7+950 IS USED TO DIVIDE ILLINOIS & INDIANA FOR QUANTITY CALCULATIONS.



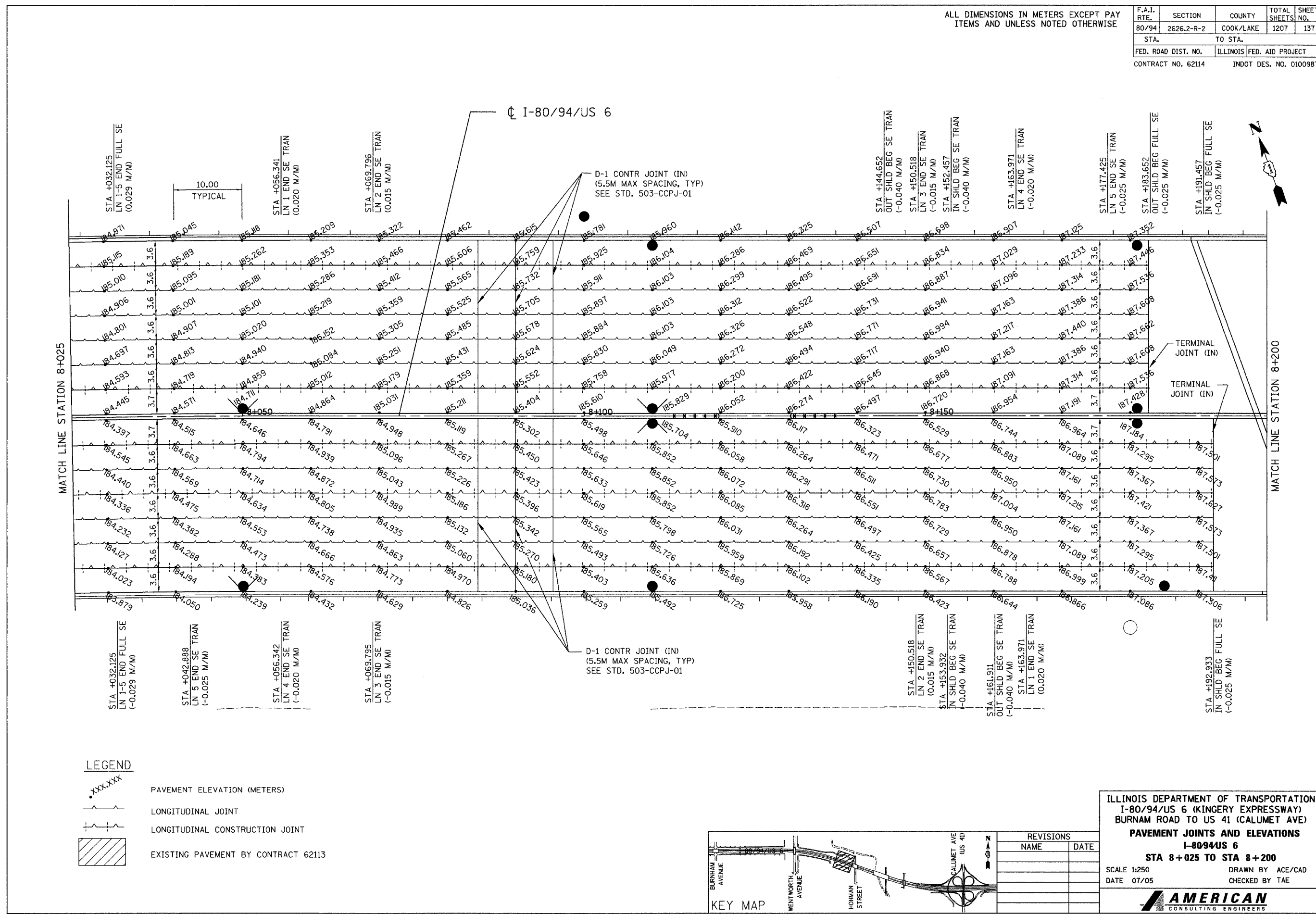
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6 (KINGERY EXPRESSWAY)
 BURNHAM ROAD TO US 41 (CALUMET AVE)
PAVEMENT JOINTS AND ELEVATIONS
I-8094US 6
STA 7+850 TO STA 8+025
 SCALE 1:250 DRAWN BY ACE/CAD
 DATE 07/05 CHECKED BY TAE

AMERICAN
CONSULTING ENGINEERS

ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	137
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114		INDOT DES. NO. 0100987		

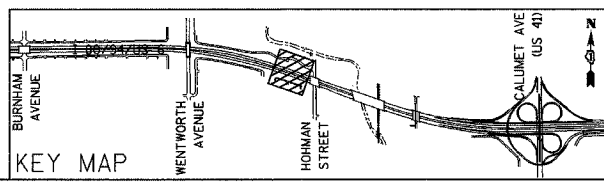


LEGEND

- xxx.xxx PAVEMENT ELEVATION (METERS)
- - - - LONGITUDINAL JOINT
- + - - - LONGITUDINAL CONSTRUCTION JOINT
- [Hatched Box] EXISTING PAVEMENT BY CONTRACT 62113

D-1 CONTR JOINT (IN)
(5.5M MAX SPACING, TYP)
SEE STD. 503-CCPJ-01

D-1 CONTR JOINT (IN)
(5.5M MAX SPACING, TYP)
SEE STD. 503-CCPJ-01



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6 (KINGERY EXPRESSWAY)
BURNHAM ROAD TO US 41 (CALUMET AVE)

PAVEMENT JOINTS AND ELEVATIONS

I-8094US 6

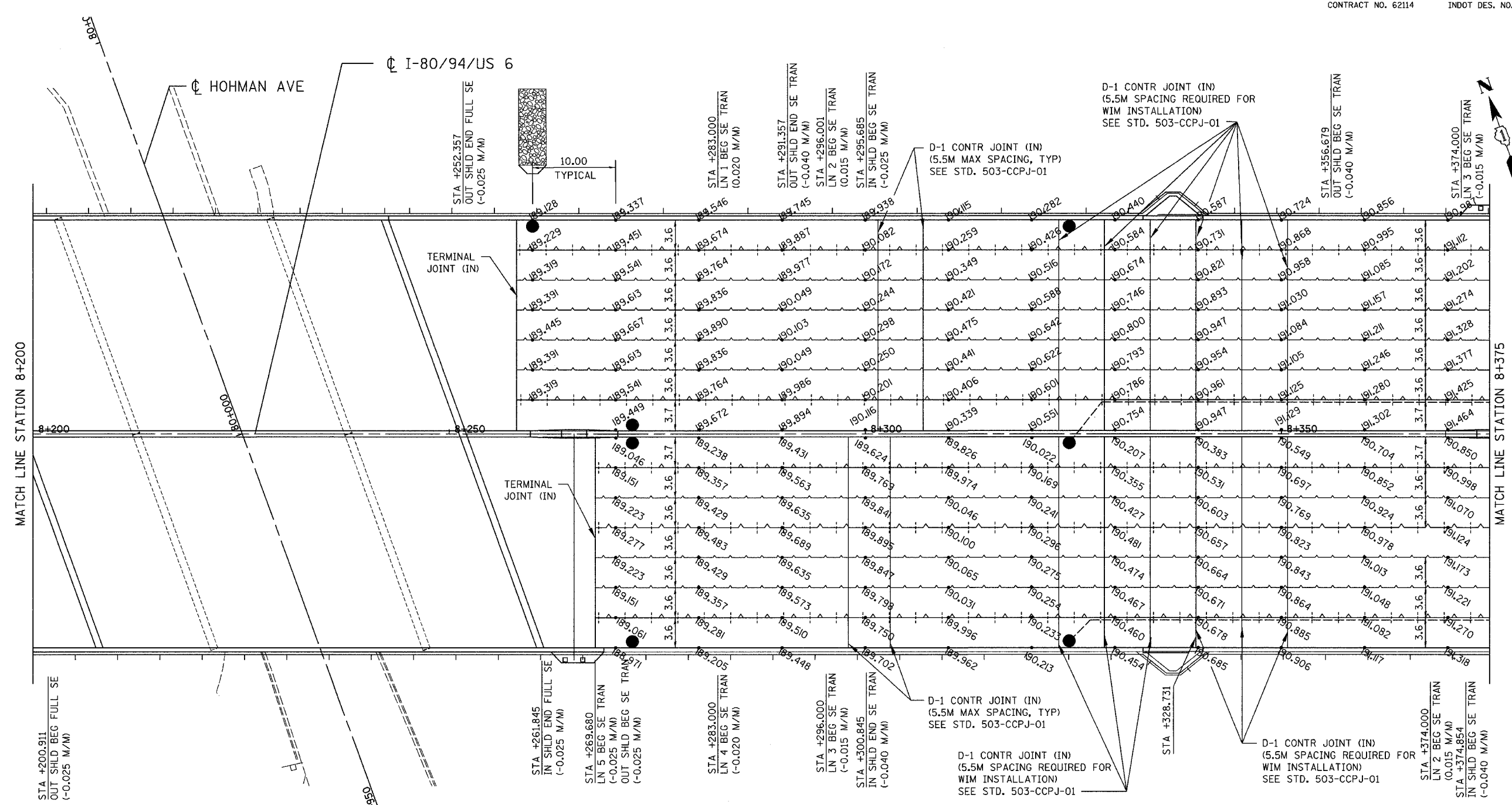
STA 8 +025 TO STA 8 +200

SCALE 1:250 DRAWN BY ACE/CAD
DATE 07/05 CHECKED BY TAE

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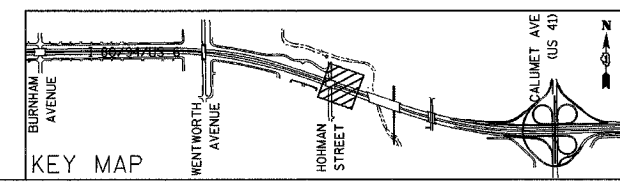
ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

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STA. 80994		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114		INDOT DES. NO. 0100987		



LEGEND

•xxx.xxx	PAVEMENT ELEVATION (METERS)
~	LONGITUDINAL JOINT
+ +	LONGITUDINAL CONSTRUCTION JOINT
- - -	PAVEMENT SWALE
▨	EXISTING PAVEMENT BY CONTRACT 62113

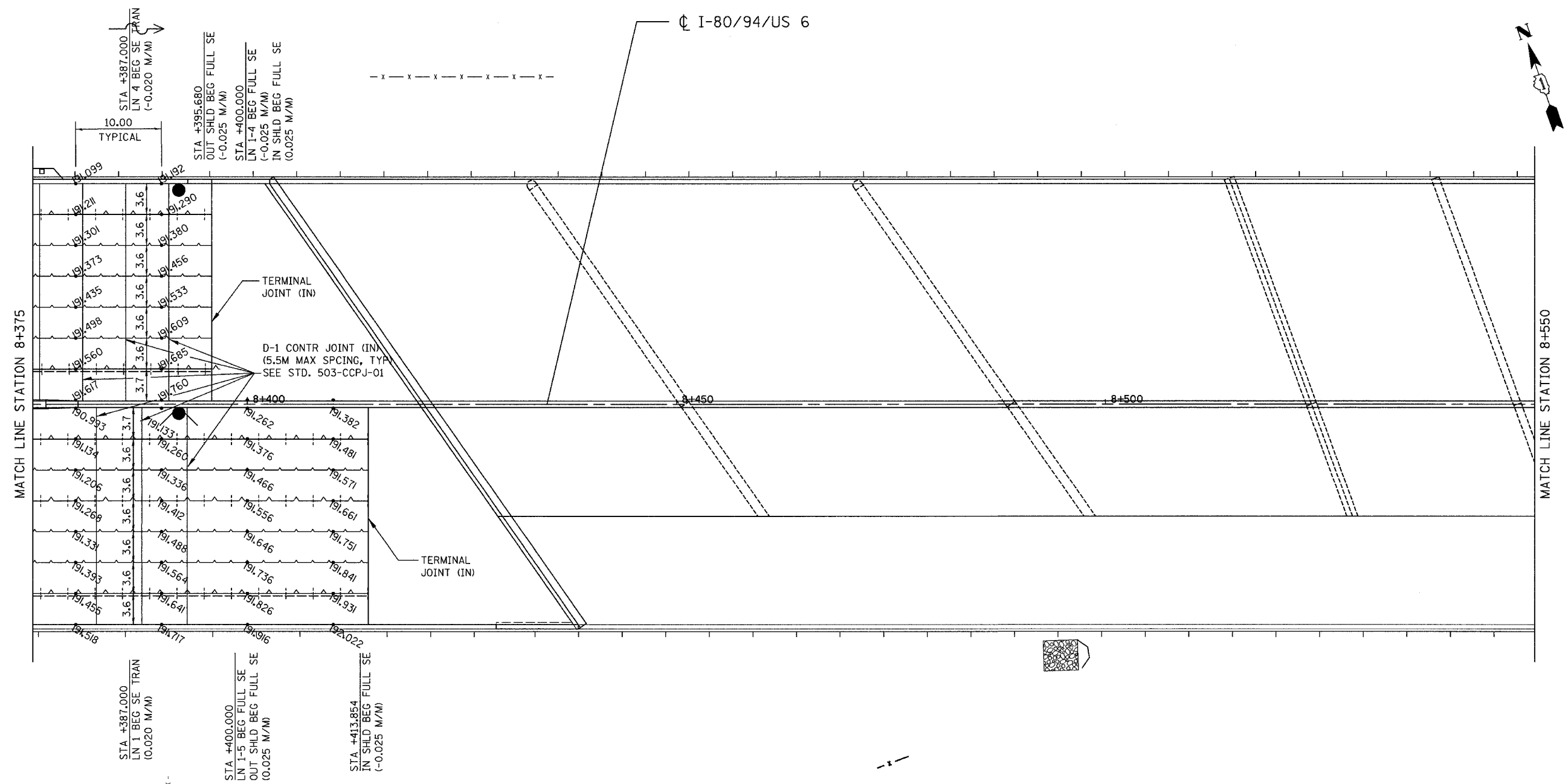


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6 (KINGERY EXPRESSWAY)
 BURNHAM ROAD TO US 41 (CALUMET AVE)
PAVEMENT JOINTS AND ELEVATIONS
I-8094US 6
STA 8+200 TO STA 8+375
 SCALE 1:250 DRAWN BY ACE/CAD
 DATE 07/05 CHECKED BY TAE

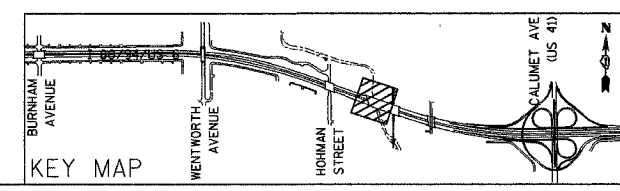
ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	139
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



LEGEND

- XXX.XXX PAVEMENT ELEVATION (METERS)
- LONGITUDINAL JOINT
- - - LONGITUDINAL CONSTRUCTION JOINT
- ▨ PAVEMENT SWALE
- ▨ EXISTING PAVEMENT BY CONTRACT 62113



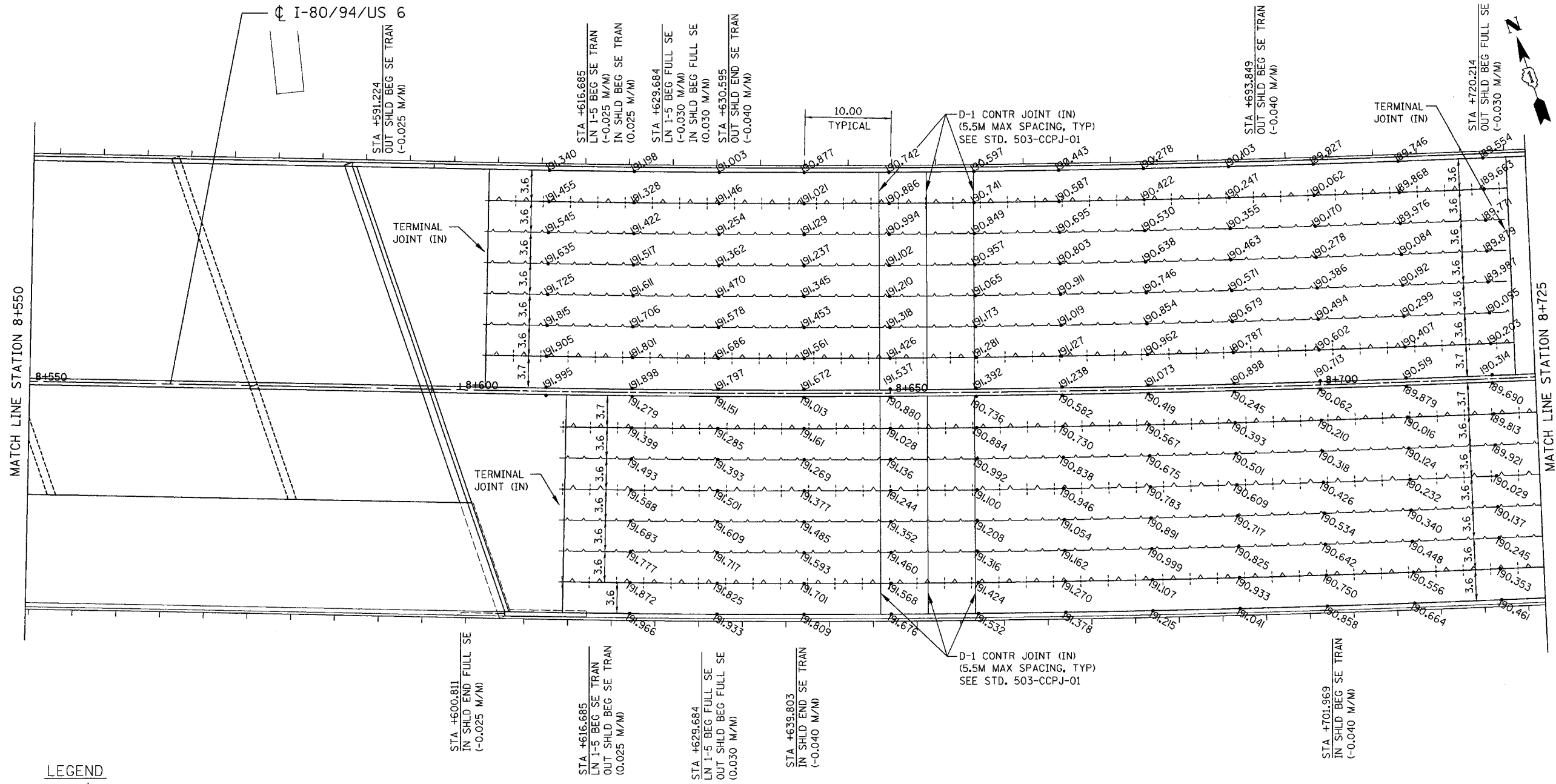
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6 (KINGERY EXPRESSWAY)
 BURNHAM ROAD TO US 41 (CALUMET AVE)
PAVEMENT JOINTS AND ELEVATIONS
I-80/94/US 6
STA 8+375 TO STA 8+550
 SCALE 1:250 DRAWN BY ACE/CAD
 DATE 07/05 CHECKED BY TAE

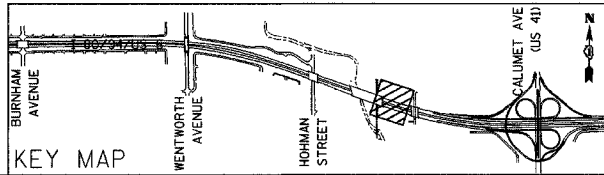
AMERICAN
 CONSULTING ENGINEERS

ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	140
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114		INDOT DES. NO. 0100987		



- LEGEND**
- xxx.xxx PAVEMENT ELEVATION (METERS)
 - LONGITUDINAL JOINT
 - |-|- LONGITUDINAL CONSTRUCTION JOINT
 - - - - PAVEMENT SWALE
 - [Hatched Box] EXISTING PAVEMENT BY CONTRACT 62113



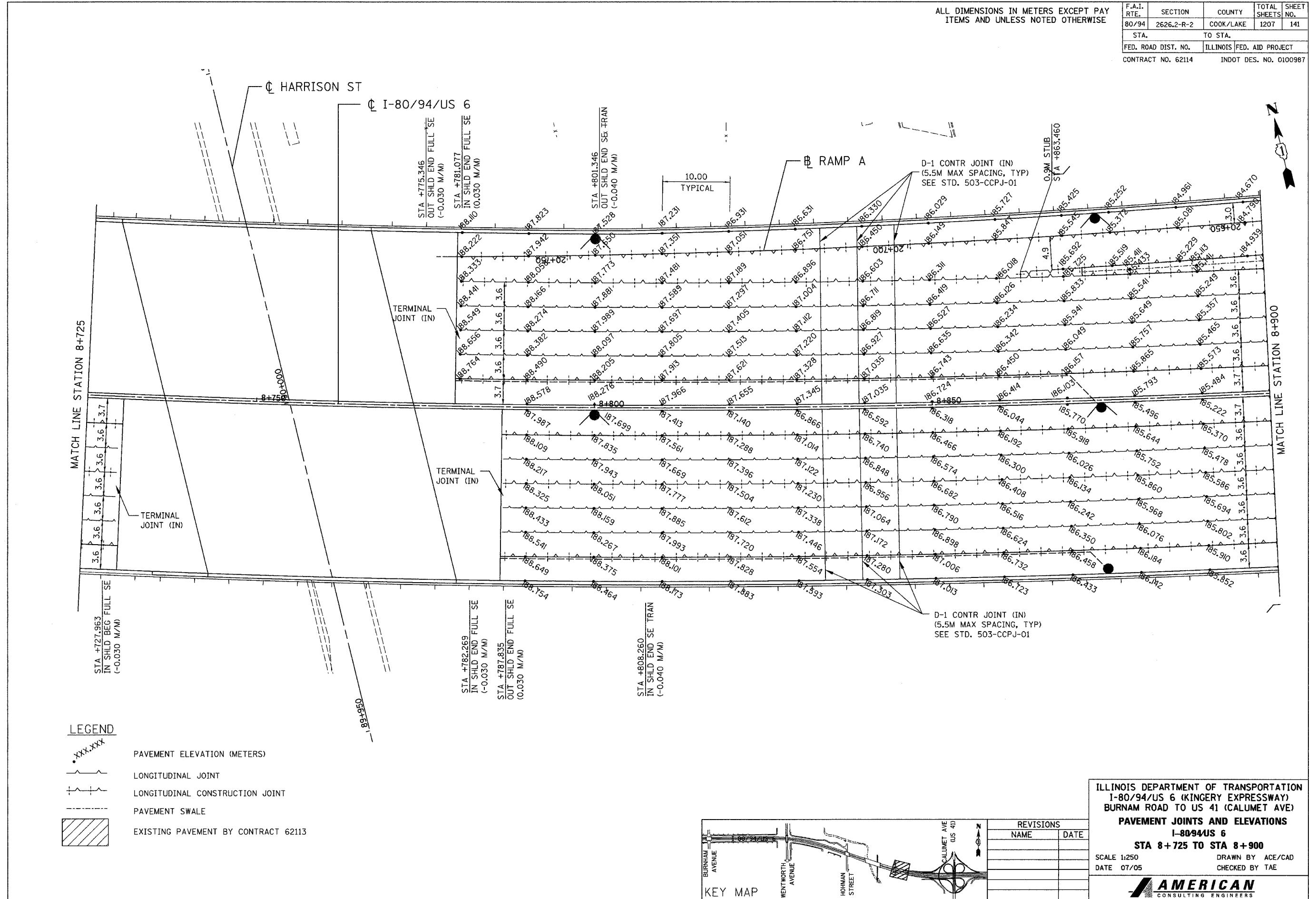
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6 (KINGERY EXPRESSWAY)
 BURNHAM ROAD TO US 41 (CALUMET AVE)
PAVEMENT JOINTS AND ELEVATIONS
I-8094US 6
STA 8+550 TO STA 8+725
 SCALE 1:250 DRAWN BY ACE/CAD
 DATE 07/05 CHECKED BY TAE

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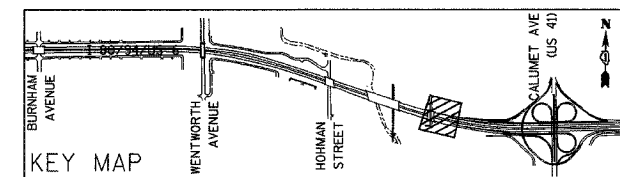
ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE. 80/94	SECTION 2626.2-R-2	COUNTY COOK/LAKE	TOTAL SHEETS 1207	SHEET NO. 141
STA. 8+725		TO STA. 8+900		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62114		INDOT DES. NO. 0100987		



LEGEND

•XXX.XXX	PAVEMENT ELEVATION (METERS)
~	LONGITUDINAL JOINT
+	LONGITUDINAL CONSTRUCTION JOINT
- - -	PAVEMENT SWALE
▨	EXISTING PAVEMENT BY CONTRACT 62113



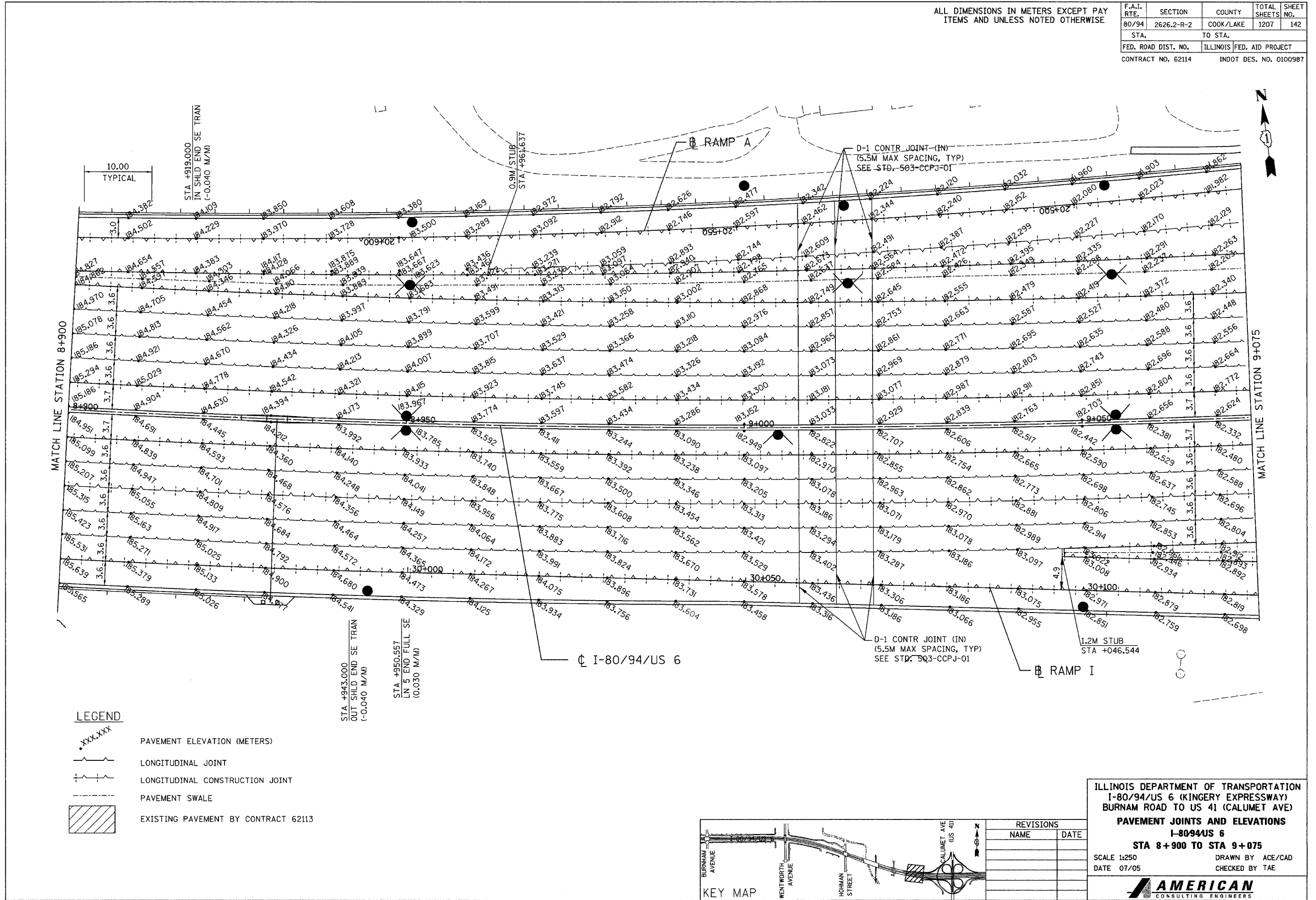
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6 (KINGERY EXPRESSWAY)
 BURNHAM ROAD TO US 41 (CALUMET AVE)
PAVEMENT JOINTS AND ELEVATIONS
 I-8094/US 6
 STA 8+725 TO STA 8+900
 SCALE 1:250 DRAWN BY ACE/CAD
 DATE 07/05 CHECKED BY TAE

AMERICAN
 CONSULTING ENGINEERS

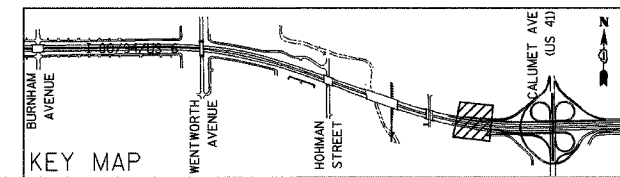
ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	142
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



LEGEND

- xxx.xxx PAVEMENT ELEVATION (METERS)
- LONGITUDINAL JOINT
- + LONGITUDINAL CONSTRUCTION JOINT
- - - PAVEMENT SWALE
- ▨ EXISTING PAVEMENT BY CONTRACT 62113



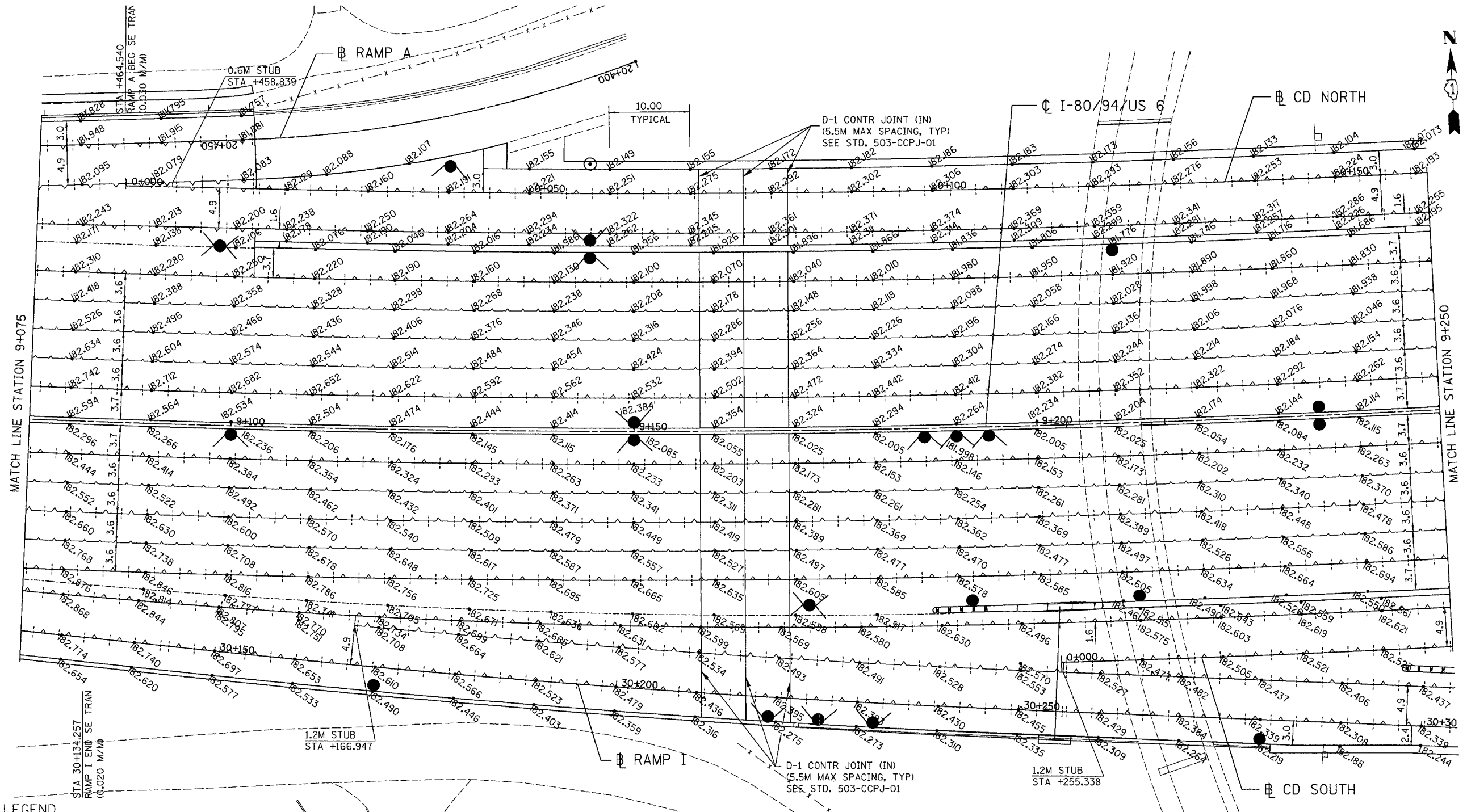
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6 (KINGERY EXPRESSWAY)
 BURNHAM ROAD TO US 41 (CALUMET AVE)
PAVEMENT JOINTS AND ELEVATIONS
 I-8094US 6
 STA 8+900 TO STA 9+075
 SCALE 1:250 DRAWN BY ACE/CAD
 DATE 07/05 CHECKED BY TAE

AMERICAN
 CONSULTING ENGINEERS

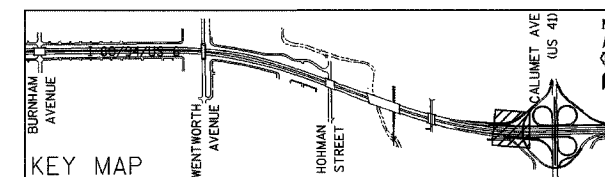
ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE. 80/94	SECTION 2626.2-R-2	COUNTY COOK/LAKE	TOTAL SHEETS 1207	SHEET NO. 143
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		INDOT DES. NO. 0100987		
CONTRACT NO. 62114				



LEGEND

- XXX.XXX PAVEMENT ELEVATION (METERS)
- LONGITUDINAL JOINT
- LONGITUDINAL CONSTRUCTION JOINT
- - - PAVEMENT SWALE
- ▨ EXISTING PAVEMENT BY CONTRACT 62113



REVISIONS	
NAME	DATE

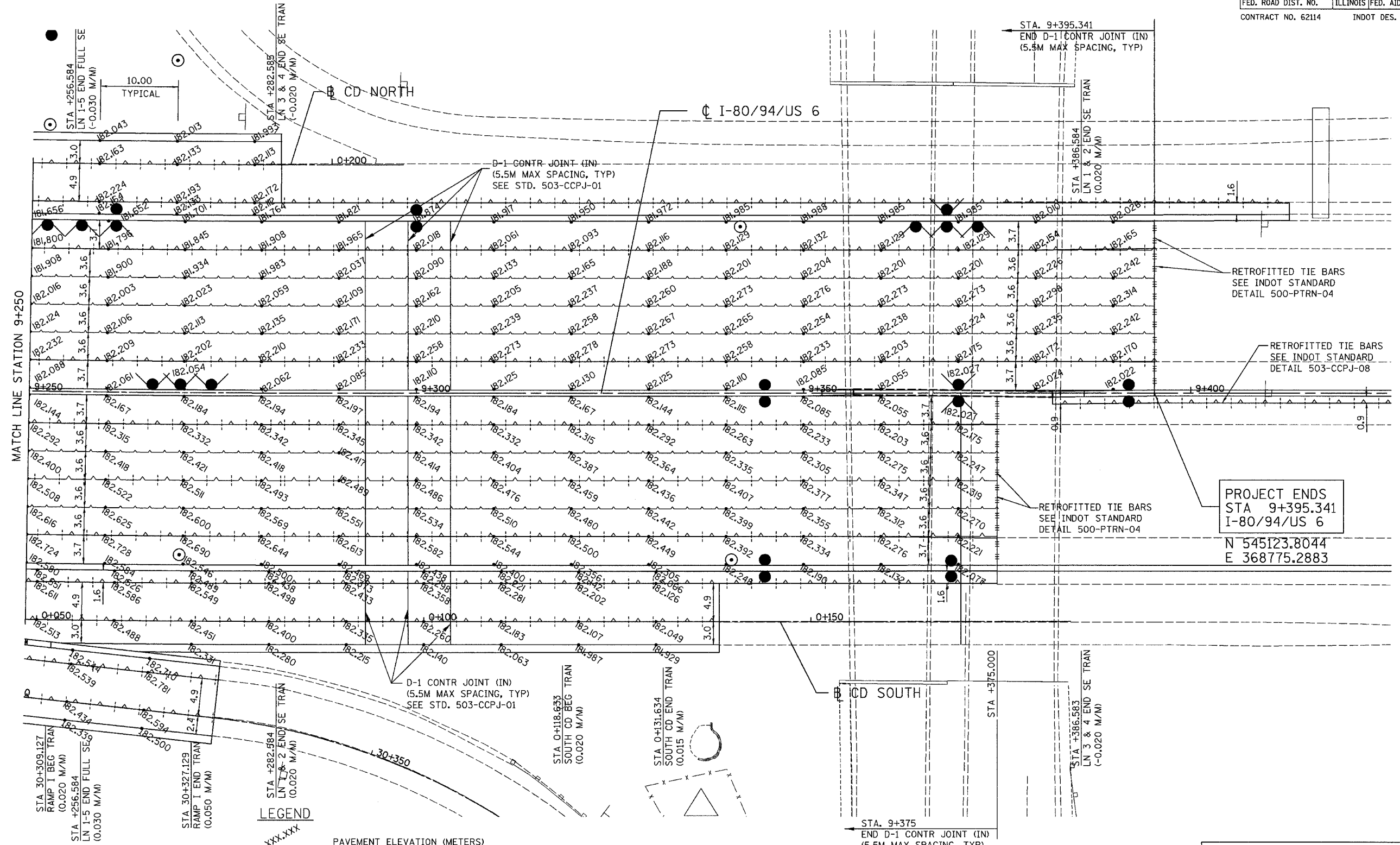
ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6 (KINGERY EXPRESSWAY)
 BURNHAM ROAD TO US 41 (CALUMET AVE)
PAVEMENT JOINTS AND ELEVATIONS
 I-8094US 6
 STA 9+075 TO STA 9+250
 SCALE 1:250 DRAWN BY ACE/CAD
 DATE 07/05 CHECKED BY TAE

AMERICAN
 CONSULTING ENGINEERS

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ALL DIMENSIONS IN METERS EXCEPT PAVEMENT ELEVATIONS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	144
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



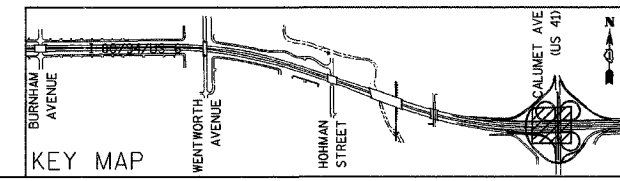
MATCH LINE STATION 9+250

RETROFITTED TIE BARS
SEE INDOT STANDARD
DETAIL 500-PTRN-04

RETROFITTED TIE BARS
SEE INDOT STANDARD
DETAIL 503-CCPJ-08

PROJECT ENDS
STA 9+395.341
I-80/94/US 6
N 545123.8044
E 368775.2883

- LEGEND**
- xxx.xxx PAVEMENT ELEVATION (METERS)
 - LONGITUDINAL JOINT
 - - - LONGITUDINAL CONSTRUCTION JOINT
 - - - PAVEMENT SWALE
 - ▨ EXISTING PAVEMENT BY CONTRACT 62113

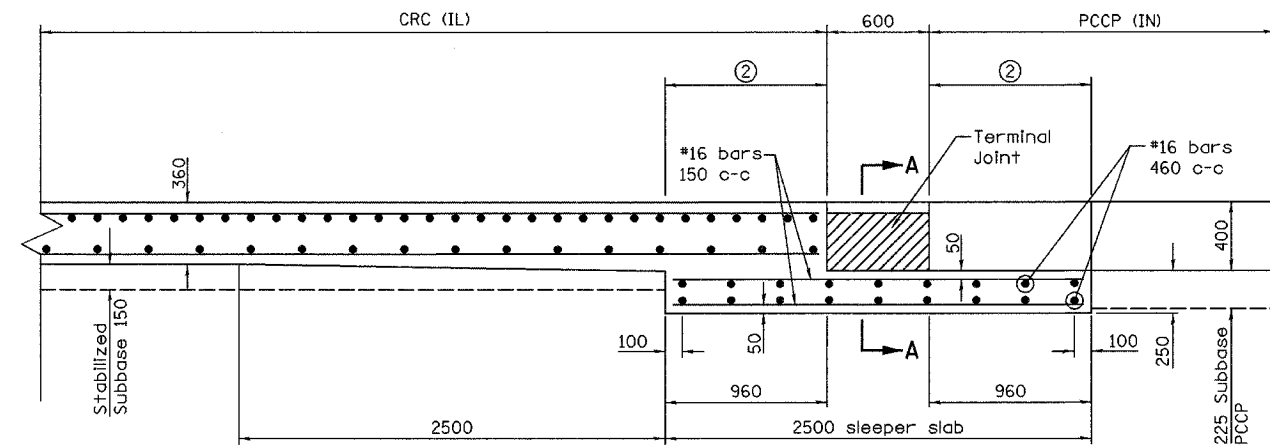


REVISIONS	
NAME	DATE

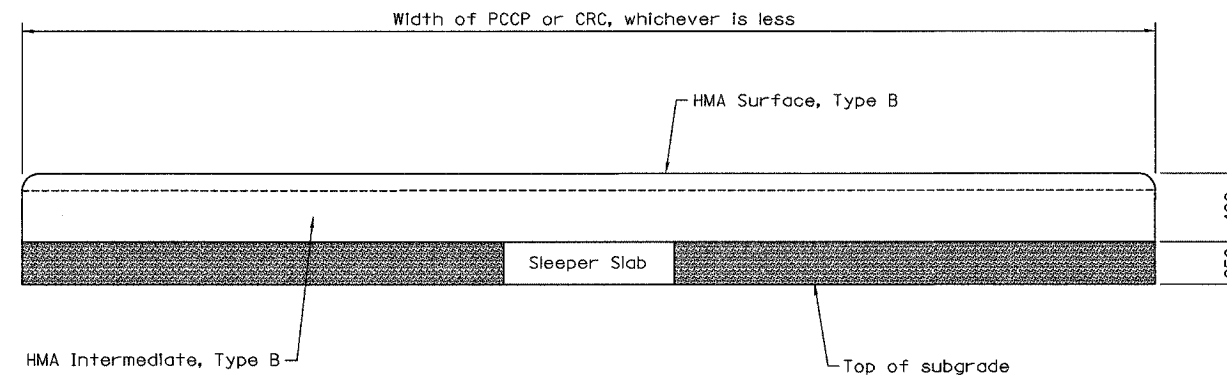
ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6 (KINGERY EXPRESSWAY)
BURNHAM ROAD TO US 41 (CALUMET AVE)
PAVEMENT JOINTS AND ELEVATIONS
I-80/94/US 6
STA 9+250 TO STA 9+395.341
SCALE 1:250 DRAWN BY ACE/CAD
DATE 07/05 CHECKED BY TAE

AMERICAN
CONSULTING ENGINEERS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	145
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



REINFORCED CONCRETE BRIDGE APPROACH



**SECTION A-A
TERMINAL JOINT**

GENERAL NOTES:

- ① Terminal Joint elevation shall match elevation of adjacent PCCP and CRC.
- ② Limits of polyethylene bond breaker.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6 (KINGERY EXPRESSWAY)
BURNAM ROAD TO US 41 (CALUMET AVE)

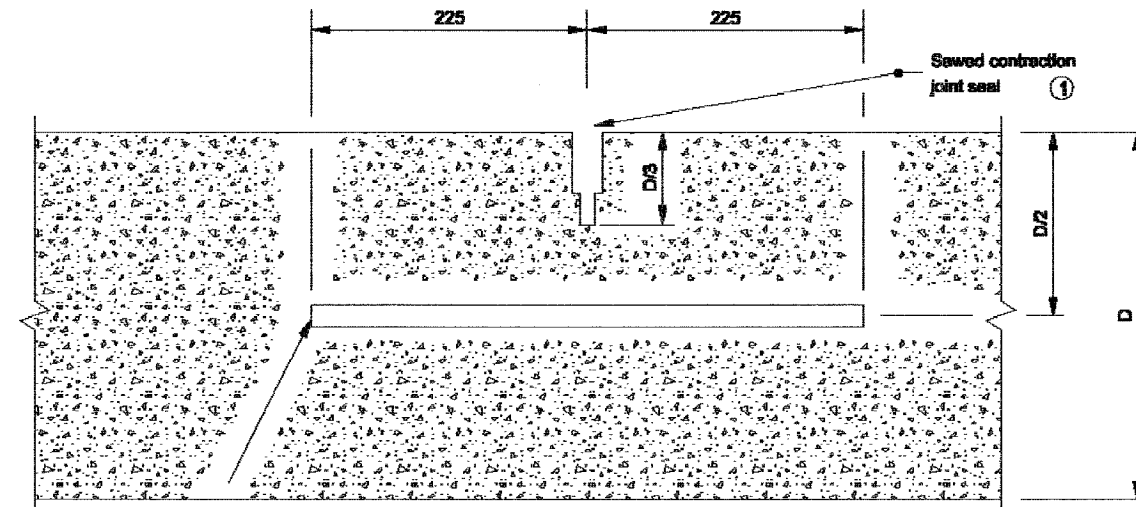
**TERMINAL JOINT
AT STATE LINE**

SCALE N.T.S.
DATE 07/05

DRAWN BY ACE/CAD
CHECKED BY TAE



DOWEL BAR SIZES	
Pavement Thickness, D	Minimum Dowel Bar Diameter
Less than 225	25
225 through 300	32
Greater than 300	38



Epoxy coated dowel bars at 300 c/c, at 150 min. from edge of PCCP
(See table for minimum dowel bar diameter)

LONGITUDINAL SECTION THROUGH PCCP

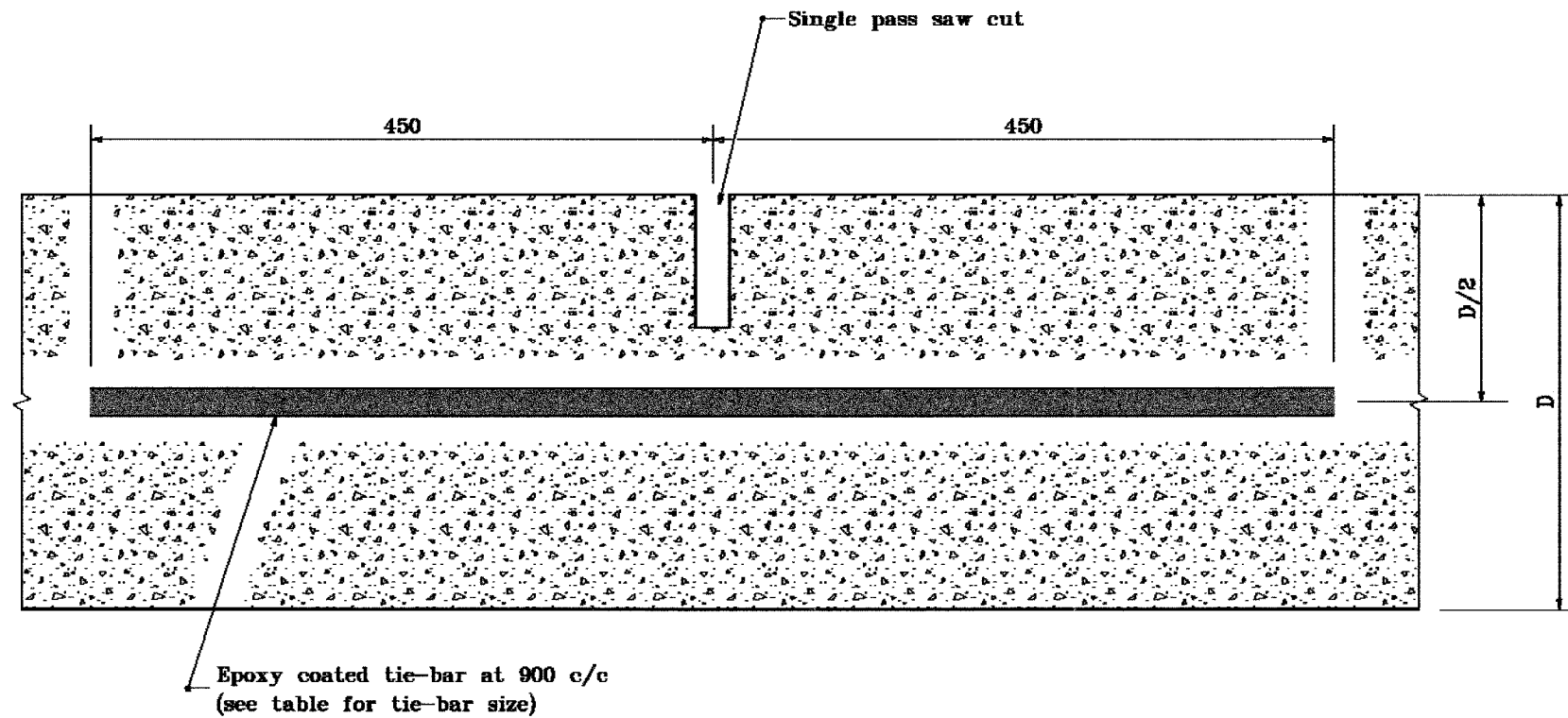
NOTES:
 ① For Type D-1 contraction joint sealant options, see Standard Drawing 503-CCPJ-06.

All Dimensions are in mm unless otherwise specified

INDIANA DEPARTMENT OF TRANSPORTATION	
TYPE D-1 CONTRACTION JOINT	
MARCH 2005	
STANDARD DRAWING NO. 503-CCPJ-01	
	<i>/s/ Richard L. VanCleave</i> 3-01-05 DESIGN STANDARD ENGINEER DATE
	<i>/s/ Richard K. Smutzer</i> 3-01-05 CHIEF HIGHWAY ENGINEER DATE

Source Sheet: CCPJ3

TIE-BAR SIZES FOR LONGITUDINAL JOINT	
Pavement Thickness, D	Tie Bar Size
Less than 225	#16
225 through 300	#19
Greater than 300	#22



TRANSVERSE SECTION THROUGH CONCRETE PCCP

All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION

LONGITUDINAL JOINT

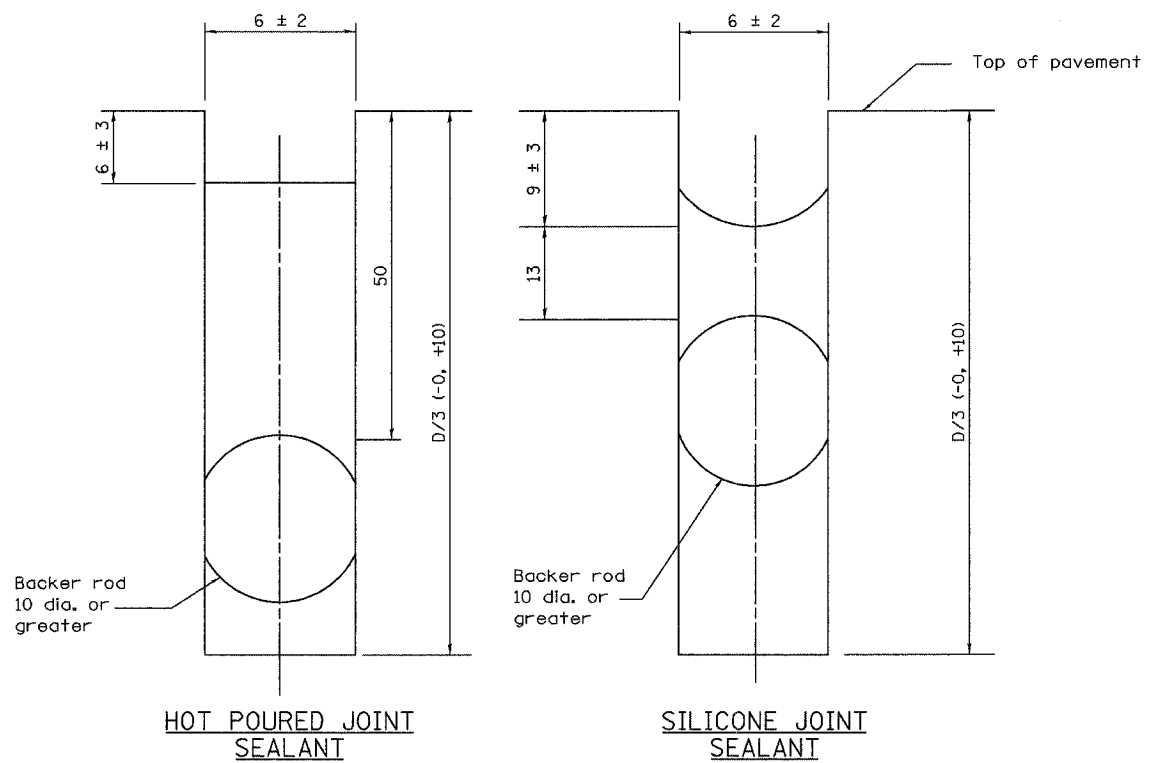
SEPTEMBER 1999

STANDARD DRAWING NO. 503-CCPJ-02

	/s/ Anthony L. Uremovich 9-01-99 DESIGN STANDARDS ENGINEER DATE
	/s/ Donald W. Lucas 9-01-99 CHIEF HIGHWAY ENGINEER DATE

Source Sheet: CCPJ1

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	148
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



SAWED LONGITUDINAL JOINT SEALANT OPTIONS

All Dimension are in mm unless otherwise specified

INDIANA DEPARTMENT OF TRANSPORTATION

LONGITUDINAL JOINT

MARCH 2004

STANDARD DRAWING NO. 503-CCPJ-03

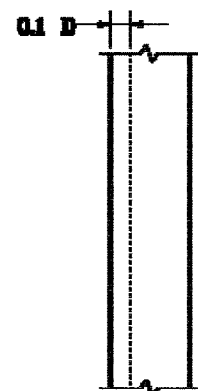
	<i>/s/ Richard L. VanCleave</i> DESIGN STANDARD ENGINEER	3-04 DATE
	<i>/s/ Richard K. Sullivan</i> CHIEF HIGHWAY ENGINEER	3-04 DATE

DESIGN STANDARD ENGINEER

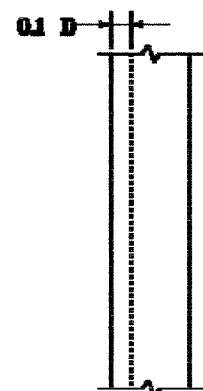
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	149
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62114		INDOT DES. NO. 000987		

NOTES

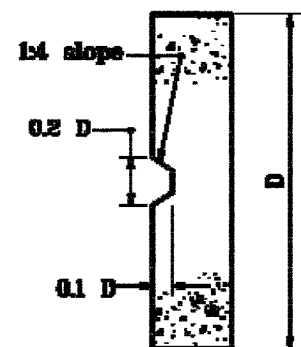
1. See Standard Drawings 503-CCPJ-01, -02, and -03 for sawed construction joint sealant options.



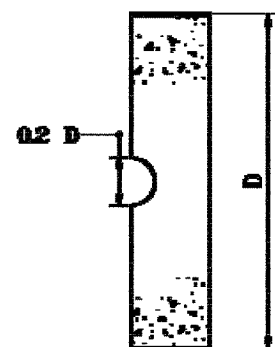
PLAN



PLAN



ELEVATION

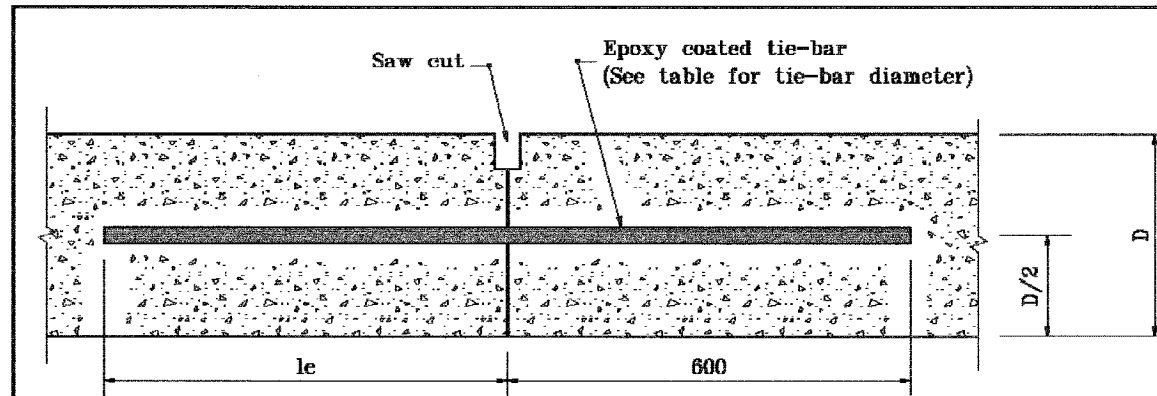


ELEVATION

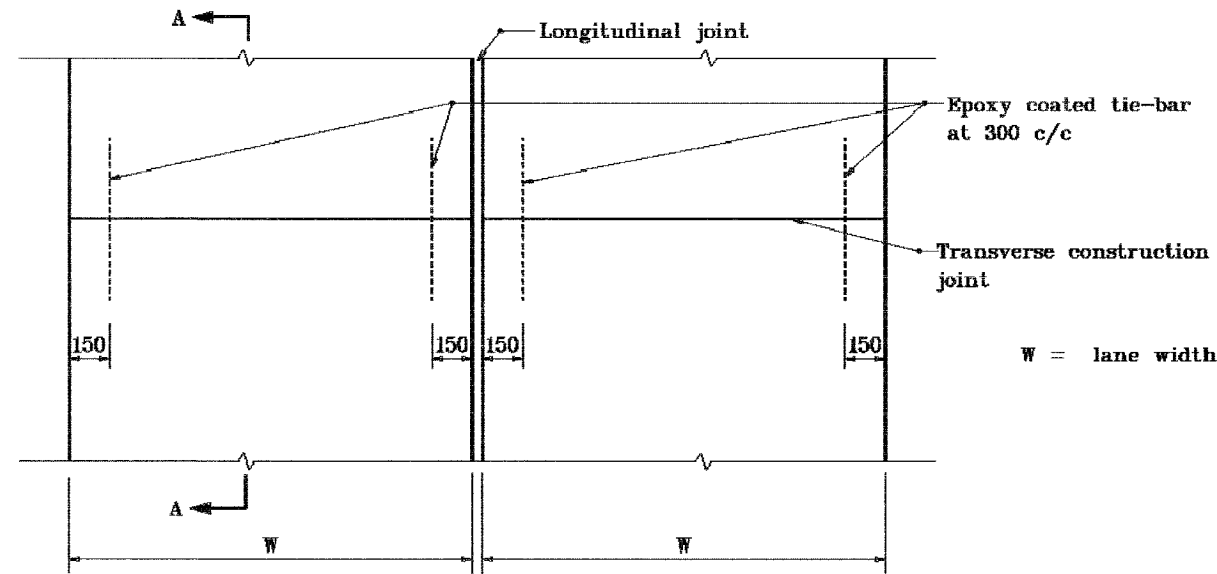
All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION	
LONGITUDINAL KEYWAY JOINT	
SEPTEMBER 1999	
STANDARD DRAWING NO. 503-CCPJ-04	
	<i>/s/ Anthony L. Drumovich</i> 9-09-00 DESIGN STANDARD ENGINEER DATE
	<i>/s/ Ronald E. Lucas</i> 9-09-00 CHIEF HIGHWAY ENGINEER DATE

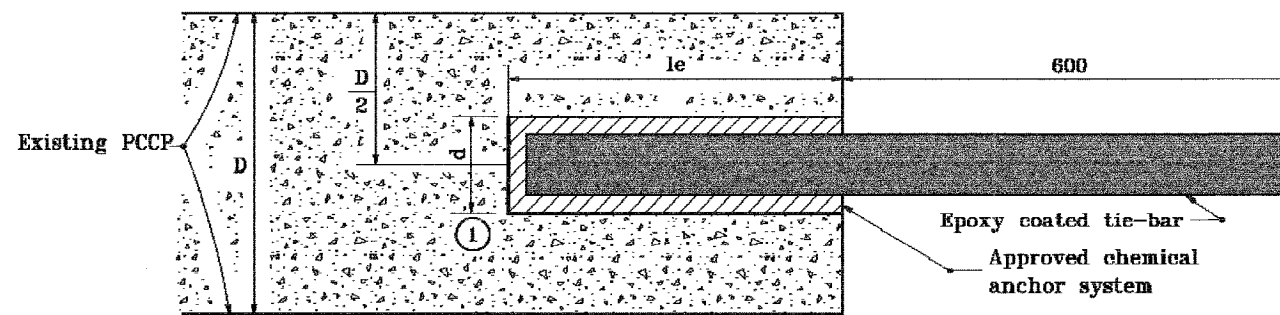
Source Sheet: CCP14



SECTION A-A



PLAN



RETROFIT CONSTRUCTION TIE-BAR EMBEDMENT DETAIL

NOTES

- ① Diameter of drilled hole d shall be in accordance with the chemical anchor system manufacturer's instructions.

Pavement Thickness, D	Tie Bar Size	Min. le
Less than 225	#16	300
225 through 300	#25	500
Greater than 300	#32	600

All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION

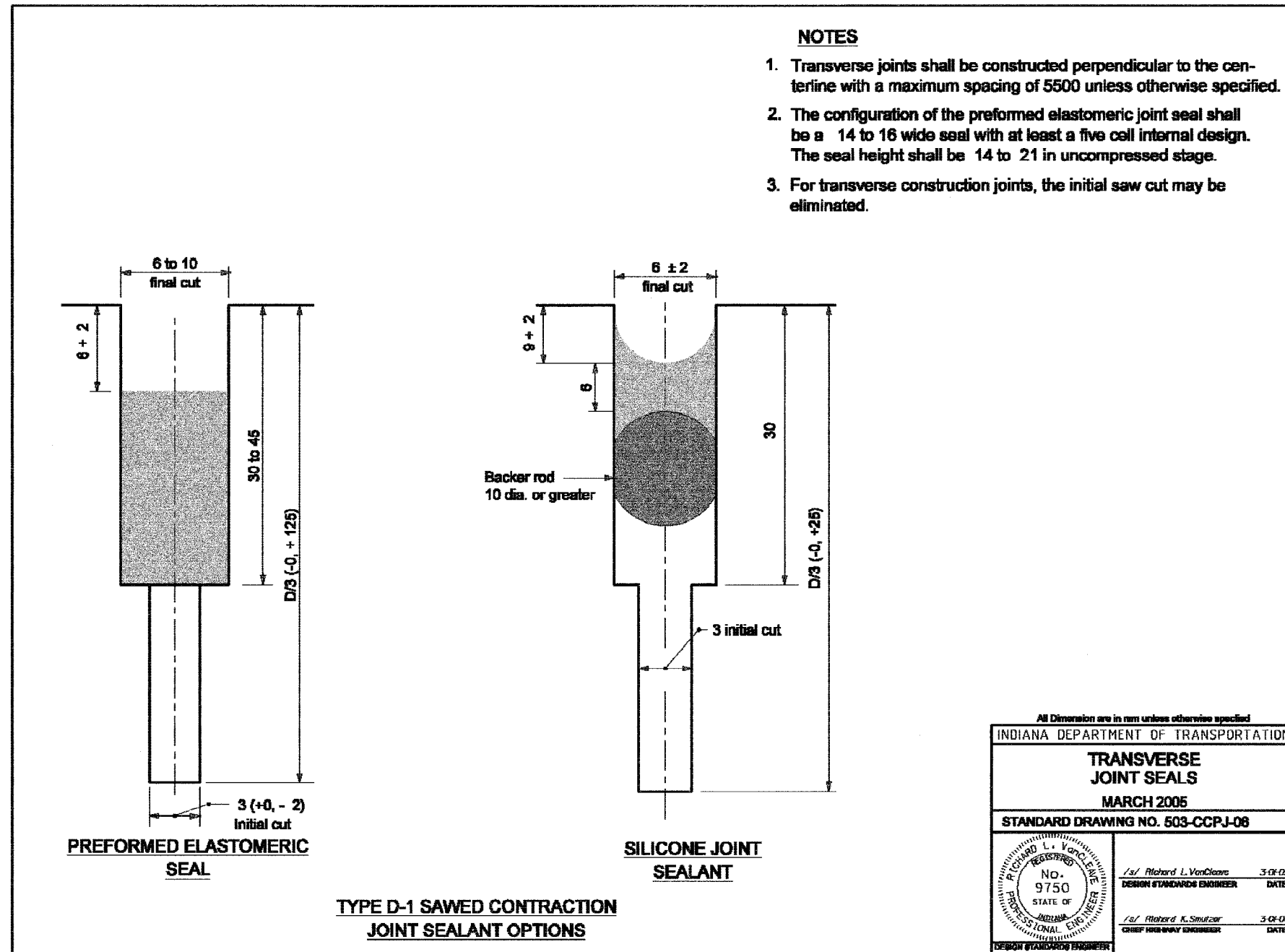
TRANSVERSE CONSTRUCTION JOINT

SEPTEMBER 1999

STANDARD DRAWING NO. 503-CCPJ-05

	/s/ Anthony L. Uremovich 9-01-99 DESIGN STANDARDS ENGINEER DATE
	/s/ Donald W. Lucas 9-01-99 CHIEF HIGHWAY ENGINEER DATE

Source Sheet: CCPJ4



NOTES

1. Transverse joints shall be constructed perpendicular to the centerline with a maximum spacing of 5500 unless otherwise specified.
2. The configuration of the preformed elastomeric joint seal shall be a 14 to 16 wide seal with at least a five coil internal design. The seal height shall be 14 to 21 in uncompressed stage.
3. For transverse construction joints, the initial saw cut may be eliminated.

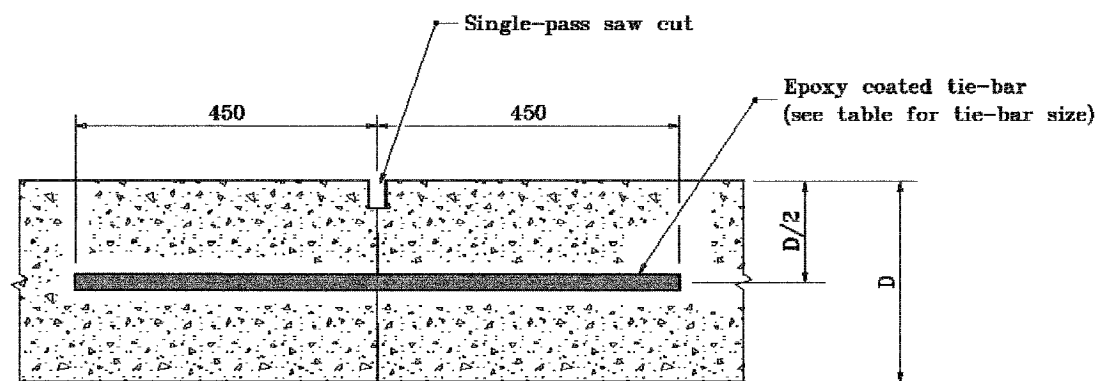
TYPE D-1 SAWED CONTRACTION JOINT SEALANT OPTIONS

All Dimension are in mm unless otherwise specified

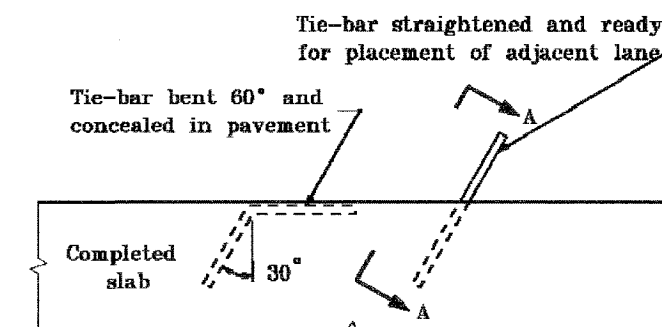
INDIANA DEPARTMENT OF TRANSPORTATION	
TRANSVERSE JOINT SEALS	
MARCH 2005	
STANDARD DRAWING NO. 503-CCPJ-08	
	/s/ Richard L. VonCleave 3-07-05 DESIGN STANDARDS ENGINEER DATE
	/s/ Richard K. Smutzer 3-07-05 CHIEF HIGHWAY ENGINEER DATE

F.A.I. RTE. 80/94	SECTION 2626.2-R-2	COUNTY COOK/LAKE	TOTAL SHEETS 1207	SHEET NO. 152
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62114		INDOT DES. NO. 0100987		

TIE-BAR SIZES FOR LONGITUDINAL CONSTRUCTION JOINT		
Pavement Thickness, D	Tie-Bar Size	Spacing
Less than 225	#16	900 c/c
225 through 300	#19	900 c/c
Greater than 300	#19 or #22	800 c/c 900 c/c



SECTION A-A

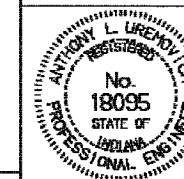


PLAN VIEW

METHOD OF PLACING TIE-BAR FOR LONGITUDINAL CONSTRUCTION JOINT

All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION
LONGITUDINAL CONSTRUCTION JOINT
 SEPTEMBER 1999
 STANDARD DRAWING NO. 503-CCPJ-07



/s/ Anthony L. Uremovich 9-01-99
 DESIGN STANDARDS ENGINEER DATE

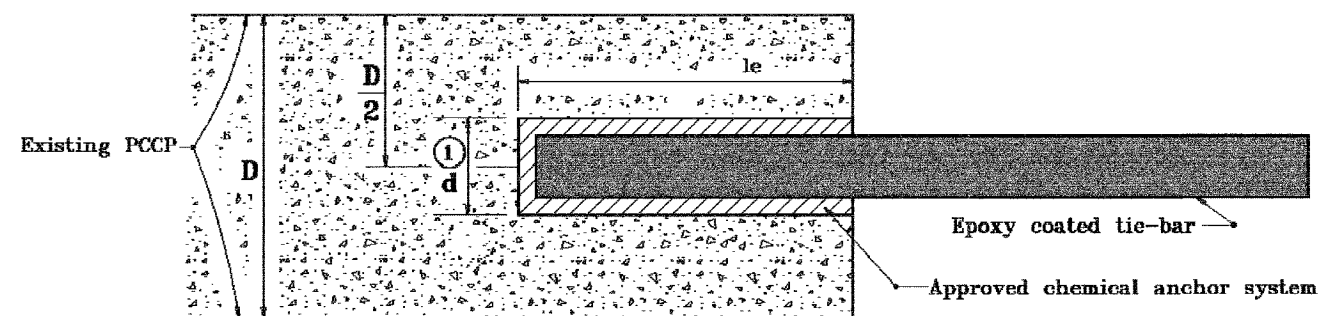
/s/ Donald W. Lucas 9-01-99
 CHIEF HIGHWAY ENGINEER DATE

Source Sheet: CCPJ2

NOTES

- ① Diameter of drilled hole (d) shall be in accordance with the chemical anchor system manufacturer's instructions.

PAVEMENT THICKNESS, D	LONGITUDINAL CONSTRUCTION JOINT Tie-bars at 900 c/c	
	TIE-BAR SIZE	MIN. LENGTH OF EMBEDMENT, l_e
Less than 225	#16	300
225 to 300	#22	300
Greater than 300	#25	450



RETROFIT CONSTRUCTION TIE-BAR EMBEDMENT DETAIL

All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION	
LONGITUDINAL CONSTRUCTION JOINT	
SEPTEMBER 1999	
STANDARD DRAWING NO. 503-CCPJ-08	
	/s/ Anthony L. Uremovich 9-01-99 DESIGN STANDARDS ENGINEER DATE
	/s/ Donald W. Lucas 9-01-99 CHIEF HIGHWAY ENGINEER DATE

Source Sheet: CCPJ2

APPENDIX D
BORING LOCATION PLANS
AND SOIL PROFILES

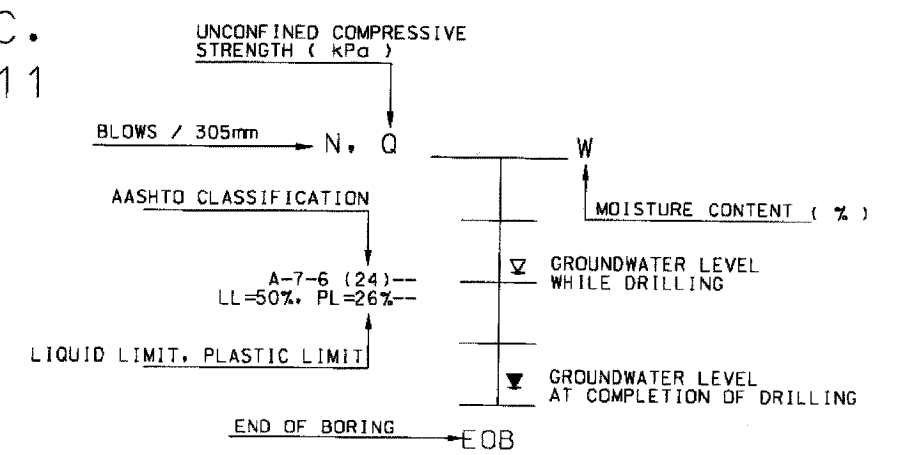
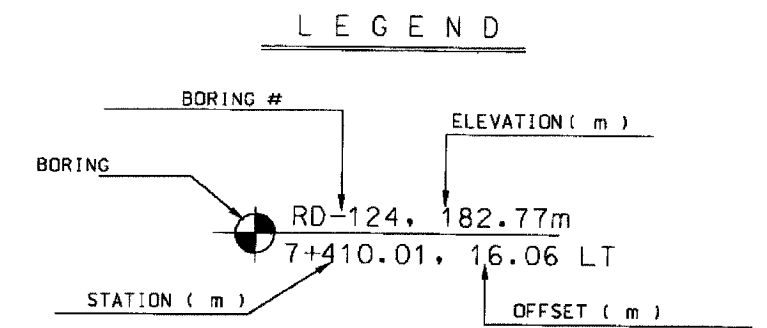
REPORT
GEOTECHNICAL INVESTIGATION
SOIL SURVEY
CONTRACT 18 (62114)
EASTBOUND AND WESTBOUND
I-80/94 MAINLINE, RAMP A, RAMP I,
CD ROAD NORTH AND CD ROAD SOUTH
IDOT PROJECT NO. D-91-018-01
FAI 80 (INTERSTATE 80/94)
FROM I-294 TO US RTE. 41
COOK COUNTY, ILLINOIS
LAKE COUNTY, INDIANA

FOR
AMERICAN CONSULTANT ENGINEERS, LLC.
5440 N. CUMBERLAND AVENUE, SUITE 111
CHICAGO, ILLINOIS 60656

Prepared by:
WANG ENGINEERING, INC.
1145 N. MAIN STREET
LOMBARD, IL 60148

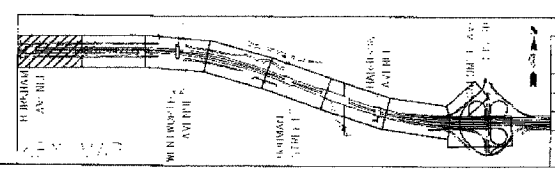
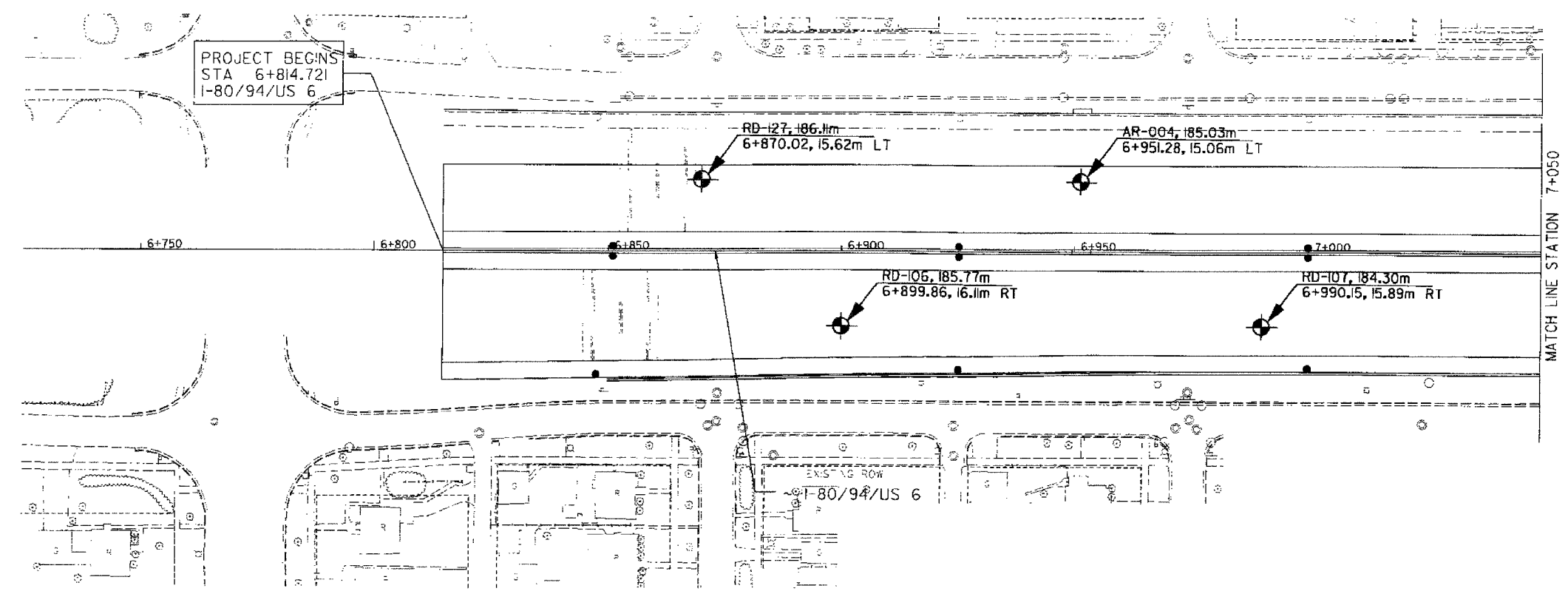
DATE: AUGUST 31, 2004

Signed _____
Date _____



WEI NO. 255-08-04

F.A.L. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY		DATE: 08/04	SCALE: 1"=40'	SHEET: 155
DATE: 08/04	SCALE: 1"=40'	DATE: 08/04	SCALE: 1"=40'	SHEET: 155
DATE: 08/04	SCALE: 1"=40'	DATE: 08/04	SCALE: 1"=40'	SHEET: 155
DATE: 08/04	SCALE: 1"=40'	DATE: 08/04	SCALE: 1"=40'	SHEET: 155
DATE: 08/04	SCALE: 1"=40'	DATE: 08/04	SCALE: 1"=40'	SHEET: 155
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DATE: 08/04	SCALE: 1"=40'	DATE: 08/04	SCALE: 1"=40'	SHEET: 155
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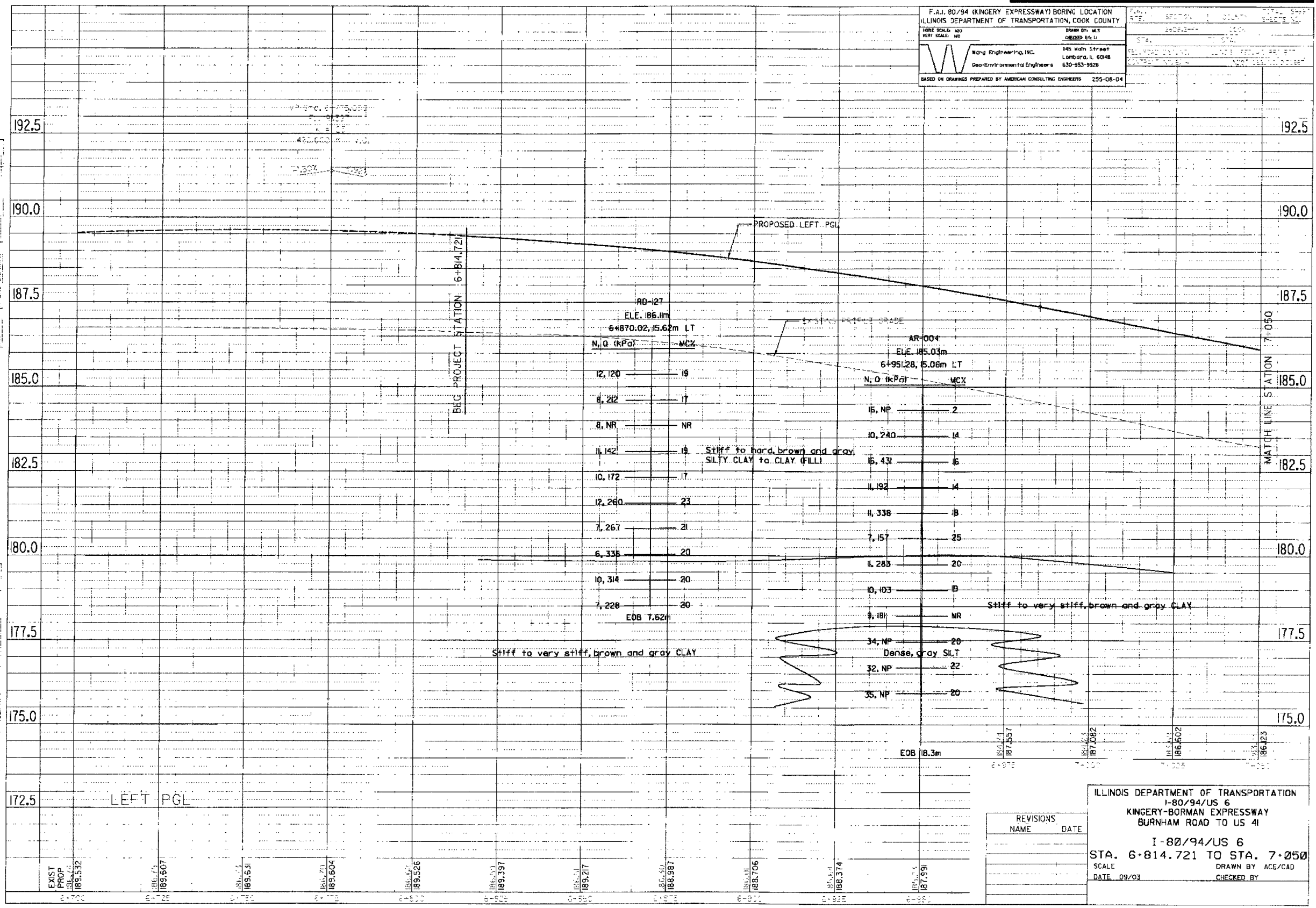
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41

STA. 6+814.721 TO STA. 7+050
SCALE
DATE 08/04
DRAWN BY ACE/CAD
CHECKED BY


F.A.J. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION
 ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY
 HORIZ SCALE: 1"=40'
 VERT SCALE: 1"=10'
 DRAWN BY: M.S.
 CHECKED BY: L.J.
 Wang Engineering, Inc. 145 W. 31st Street
 Geo-Environmental Engineers Lombard, IL 60448
 630-853-9928
 BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04

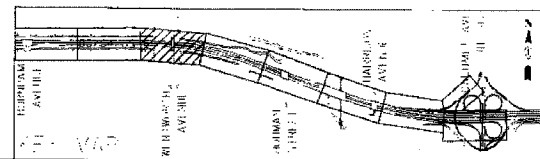
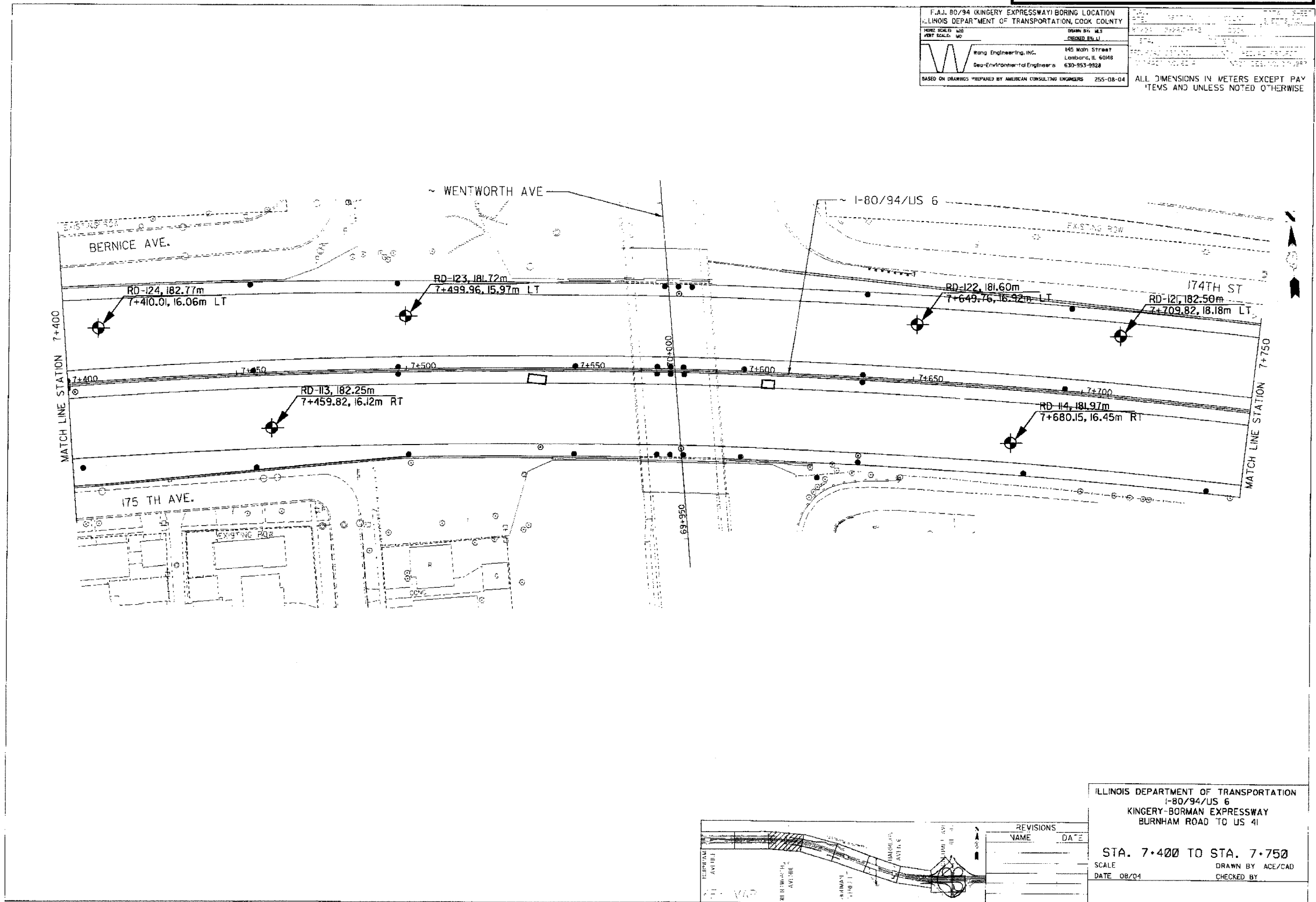
BY: [Signature]
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 NO. 50: [Blank]



REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41
 I-80/94/US 6
 STA. 6+814.721 TO STA. 7+050
 SCALE: [Blank] DRAWN BY: ACE/CAD
 DATE: 09/03 CHECKED BY: [Blank]

F.A.J. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY		DATE: 08/04	SCALE: 1"=40'
HORIZ. SCALE: 1"=40'	VERT. SCALE: 1"=10'	DESIGNED BY: M.S.	CHECKED BY: J.L.
 Wang Engineering, Inc. Geo-Environmental Engineers 145 Main Street Lombard, IL 60148 630-953-9928		ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE	
BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04			




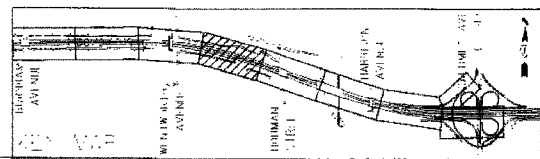
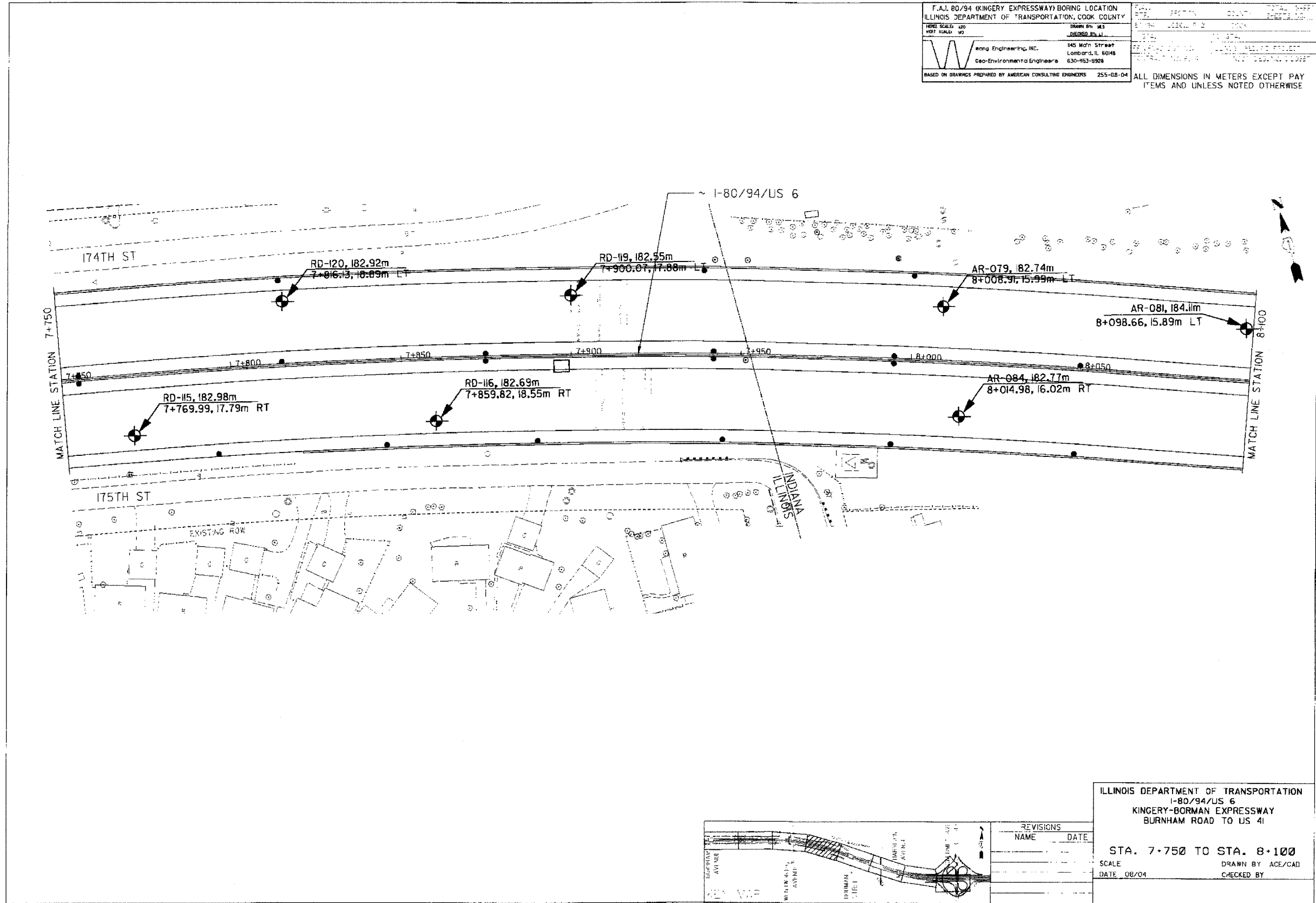
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41

STA. 7+400 TO STA. 7+750

SCALE: _____ DRAWN BY: ACE/CAD
 DATE: 08/04 CHECKED BY: _____

F.A.I. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION		DATE: 08/04	SCALE: AS SHOWN
ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY		PROJECT NO: 62114	SHEET NO: 159
VERT SCALE: 1/2" = 10'	DRAWN BY: ACE	CHECKED BY: ACE	DATE: 08/04
 Kingery Engineering, Inc. Geo-Environmental Engineers 345 Main Street Lombard, IL 60148 630-953-9928		ALL DIMENSIONS IN METERS EXCEPT PAVEMENT ITEMS AND UNLESS NOTED OTHERWISE	



REVISIONS	
NAME	DATE

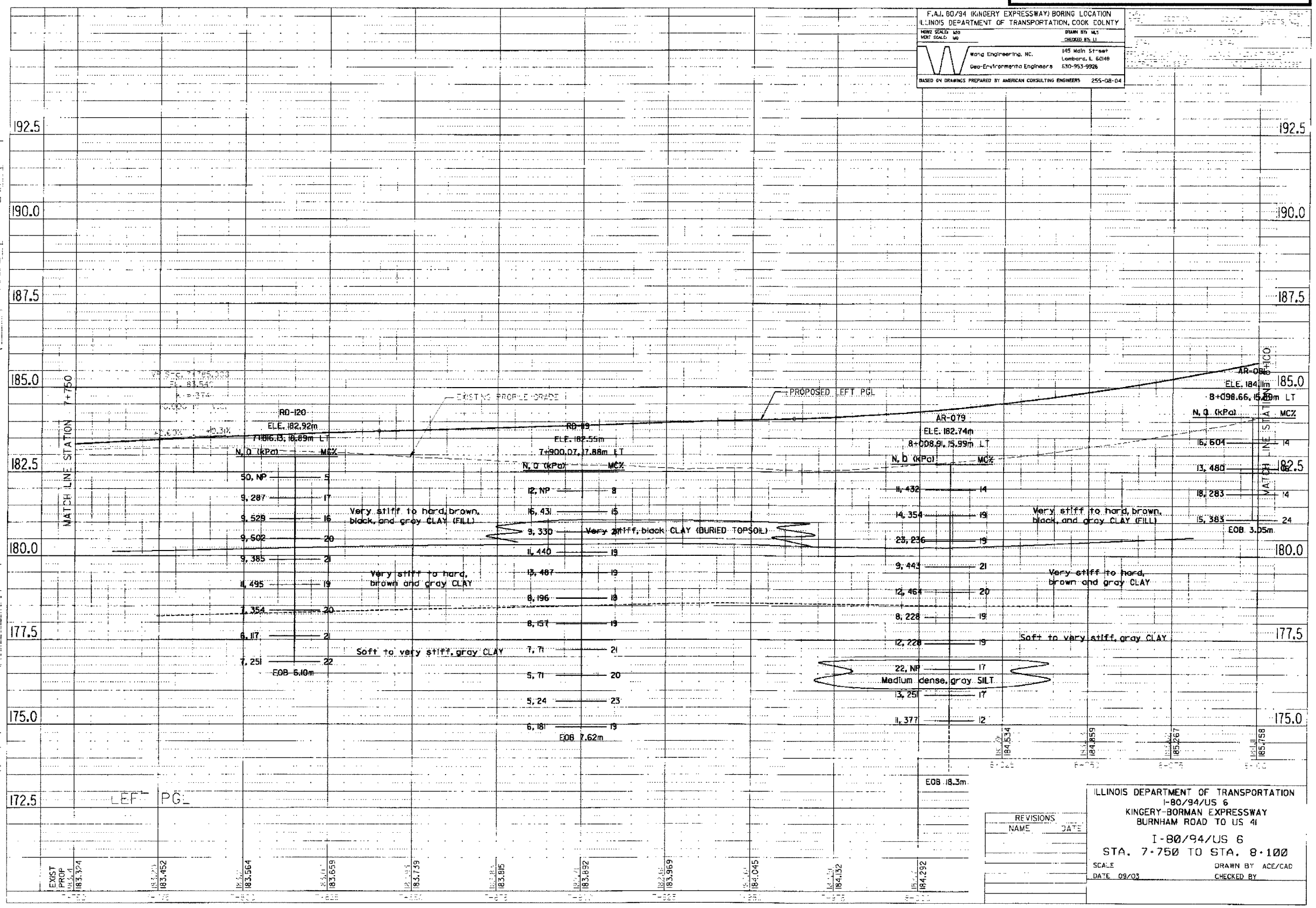
ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41

STA. 7+750 TO STA. 8+100

SCALE: AS SHOWN
 DATE: 08/04
 DRAWN BY: ACE/CAD
 CHECKED BY: ACE

F.I.L. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION
 ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY
 HORIZ. SCALE: 1/8" = 10' VERT. SCALE: 1" = 10'
 Wanda Engineering, Inc. 145 Main Street Lombard, IL 60148 630-953-9926
 Geo-Environmental Engineers
 BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04

DATE: _____ BY: _____
 ORIGINAL SURVEYED: _____
 SURVEYED: _____
 CHECKED: _____
 DRAWN: _____
 APPROVED: _____
 NO. _____



REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41
 I-80/94/US 6
 STA. 7-750 TO STA. 8-100
 SCALE: _____ DRAWN BY ACE/CAD
 DATE 09/03 CHECKED BY _____

F.A.I. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION
 ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY

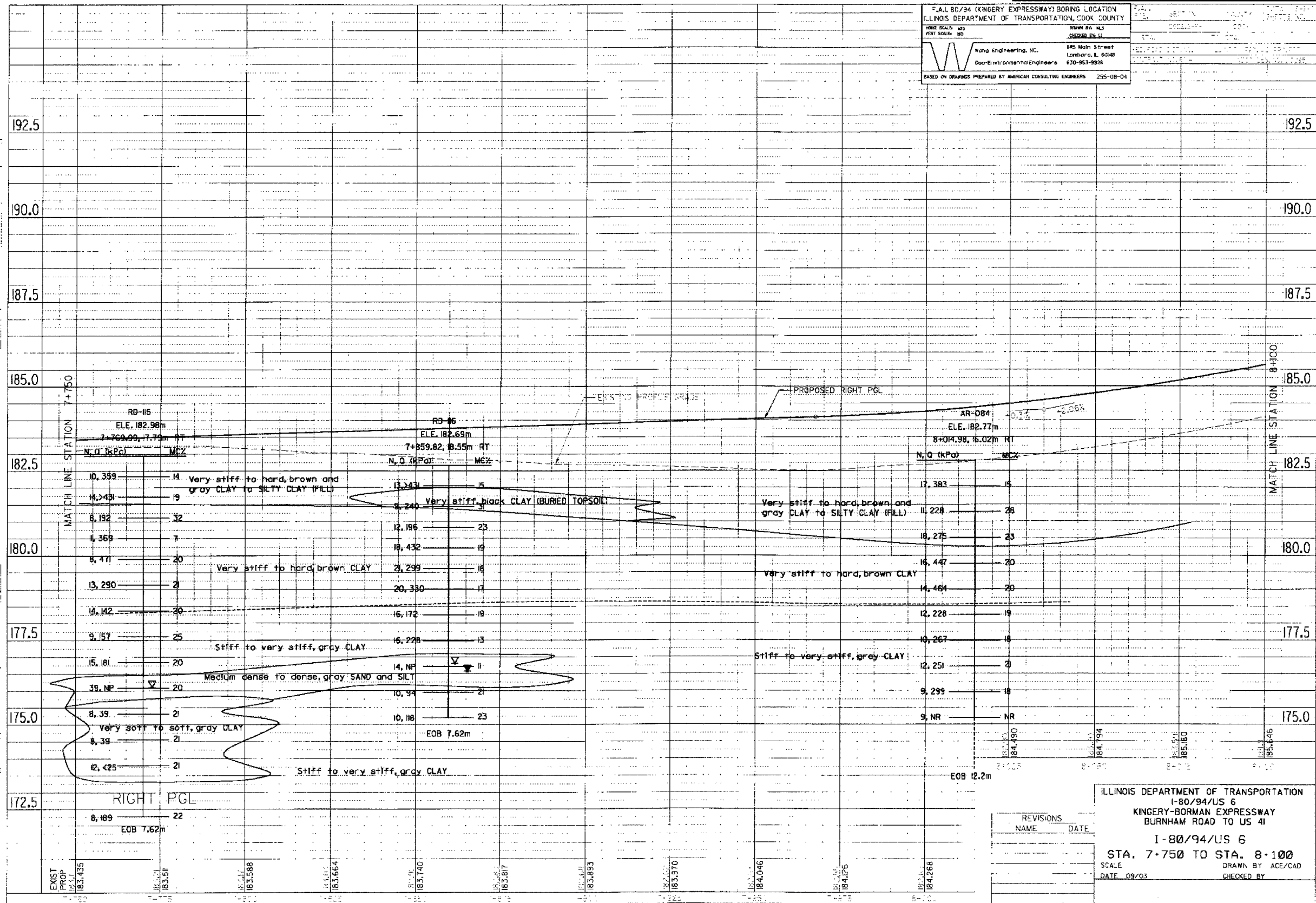
DATE: 09/03
 VERT SCALE: 10

Wong Engineering, Inc.
 145 Main Street
 Lombard, IL 60148
 Geo-Environmental Engineers
 630-953-9924

BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04

DATE: _____ BY: _____
 CHECKED: _____
 DRAWN: _____
 APPROVED: _____

DATE: _____ BY: _____
 CHECKED: _____
 DRAWN: _____
 APPROVED: _____



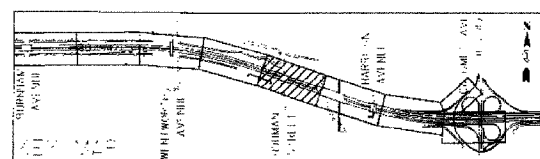
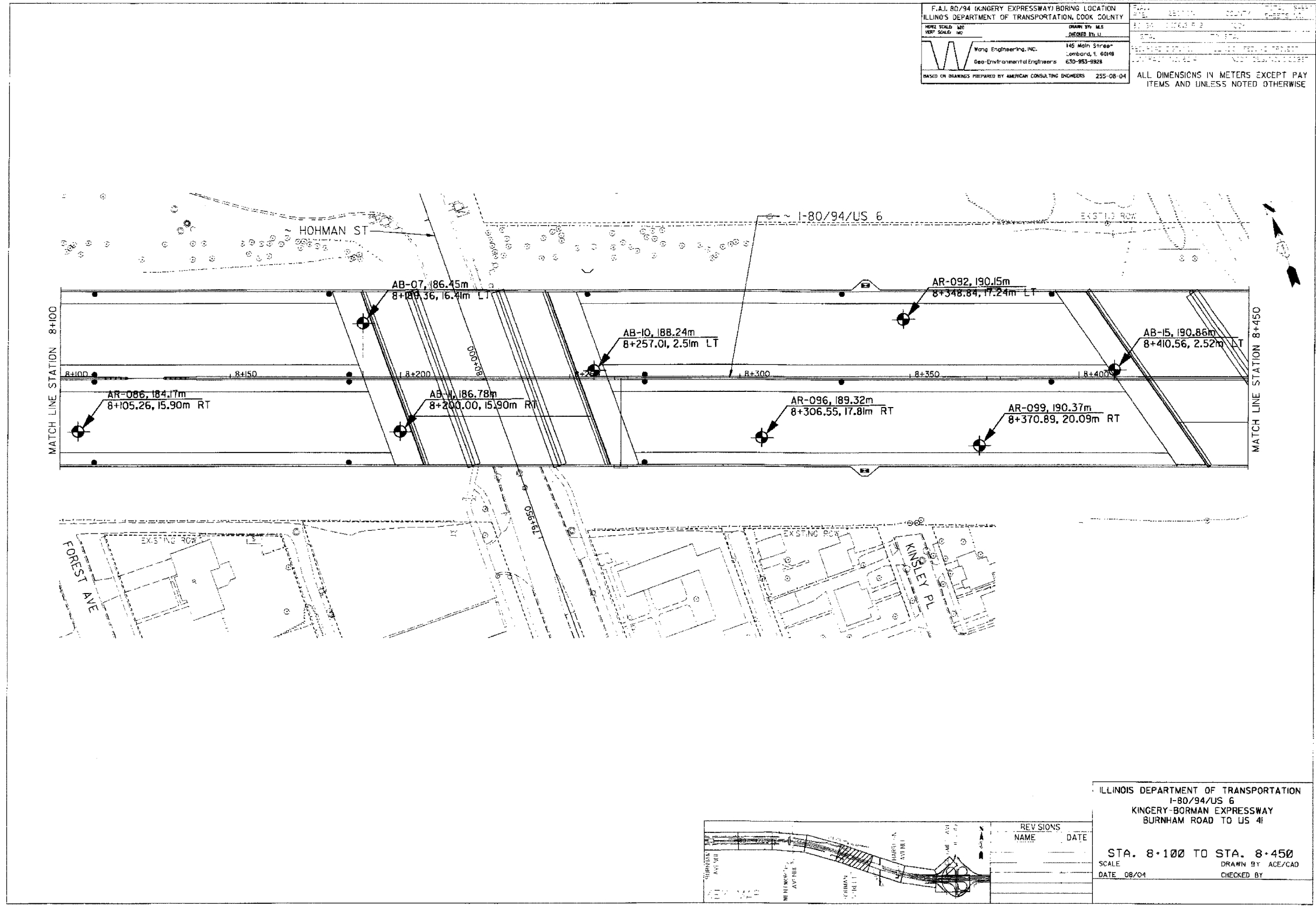
ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41

I-80/94/US 6
 STA. 7+750 TO STA. 8+100

SCALE: _____ DRAWN BY: ACE/CAD
 DATE: 09/03 CHECKED BY: _____

REVISIONS	NAME	DATE

F.A.I. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY		DATE: 08/04	SCALE: 1"=100'
PROJECT NO. 62114	DRAWN BY: MS	CHECKED BY:	DATE: 08/04
Wang Engineering, Inc. 145 Main Street Lombard, IL 60148 Geo-Environmental Engineers 630-953-9928	ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41

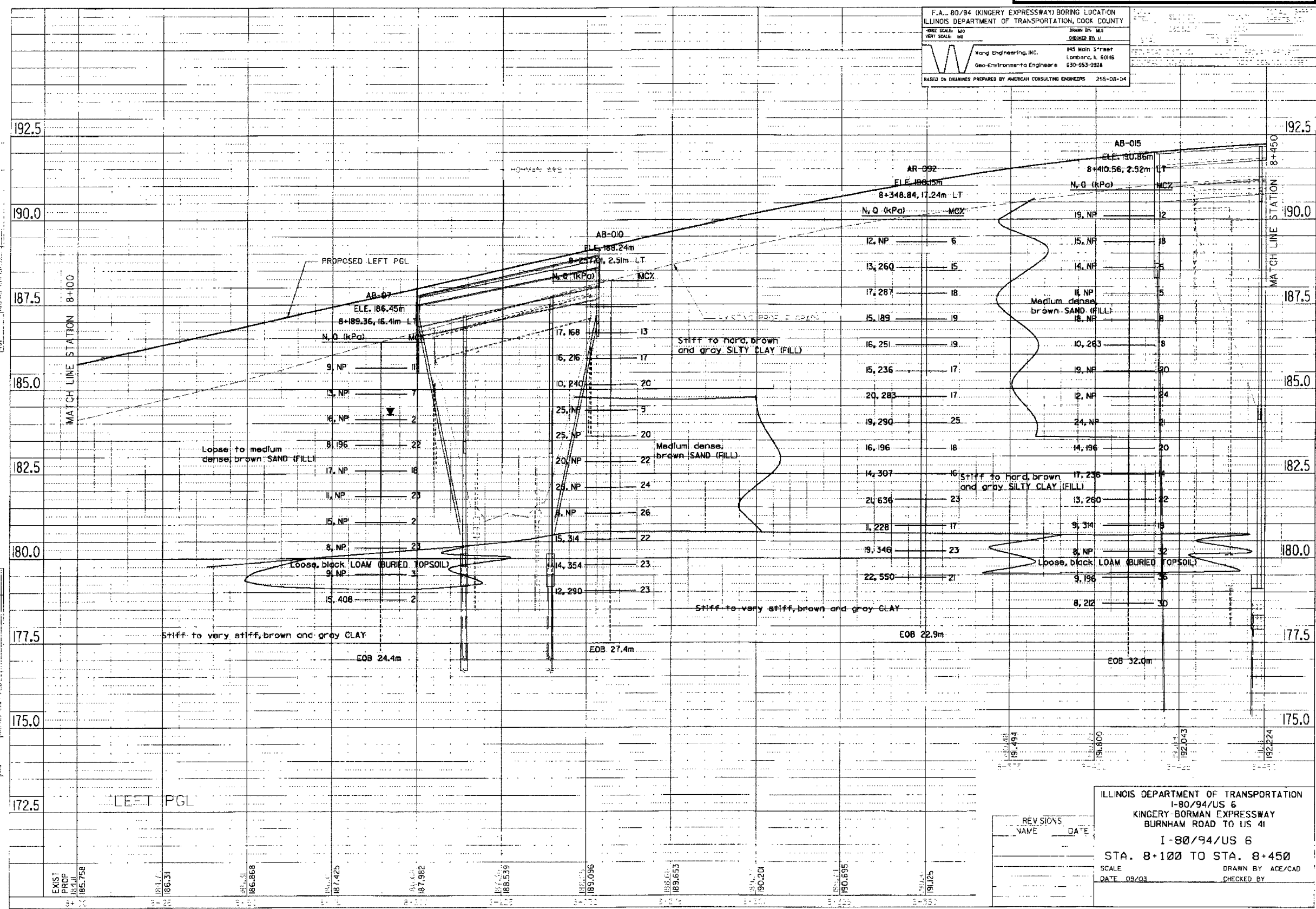
STA. 8+100 TO STA. 8+450
SCALE: 1"=100'
DATE: 08/04
DRAWN BY: ACE/CAD
CHECKED BY:

F.A. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION
ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY
DRAWN BY: M.S. DROGOSZ, P.E., U.I.
Wang Engineering, Inc. 845 Main Street, Lombard, IL 60148, 630-953-9928
Geo-Environmental Engineers
BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04

DATE: _____
BY: _____
DATE: _____
BY: _____

FINAL SURVEY PLOTTED
NOTE BOOK NUMBER: _____
NO. _____
APPROX. CHECKED: _____
NO. _____

ORIGINAL SURVEY PLOTTED
DATE: _____
BY: _____



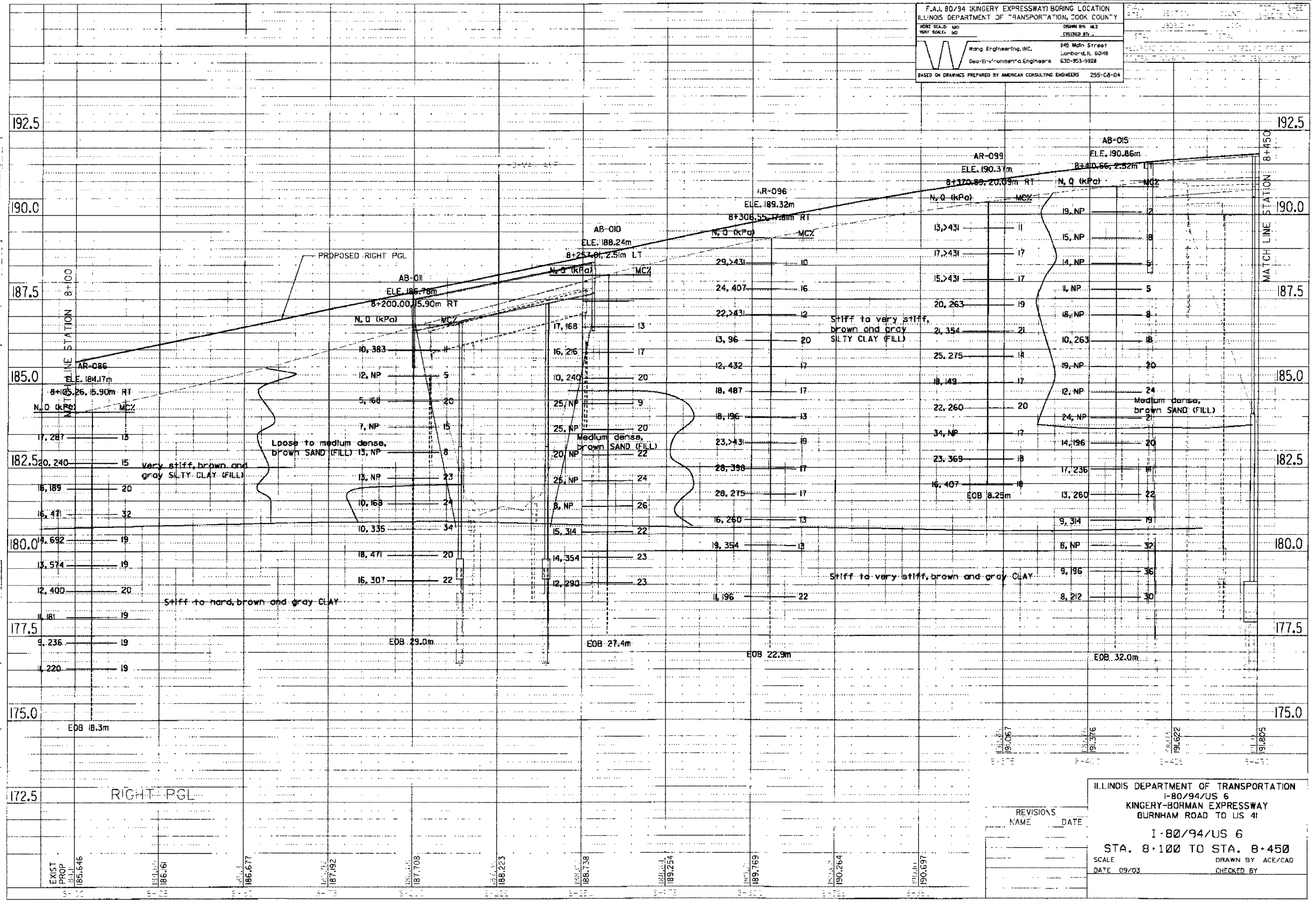
REVISIONS

NO.	DATE	DESCRIPTION

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41
I-80/94/US 6
STA. 8+100 TO STA. 8+450
SCALE: _____
DATE: 09/01
DRAWN BY: ACE/CAD
CHECKED BY: _____


F.A.I. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION
 ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY
 HERE SCALE: 1/8" = 1'-0"
 WANG ENGINEERING, INC.
 145 Main Street
 Lombard, IL 60148
 Geo-Environmental Engineers
 630-953-9928
 DRAWN BY: M.S. CHEN
 CHECKED BY: M.S. CHEN
 BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-C8-04

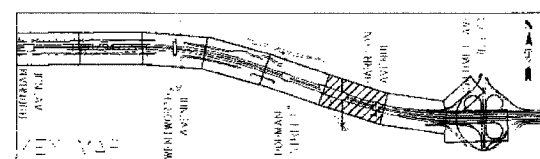
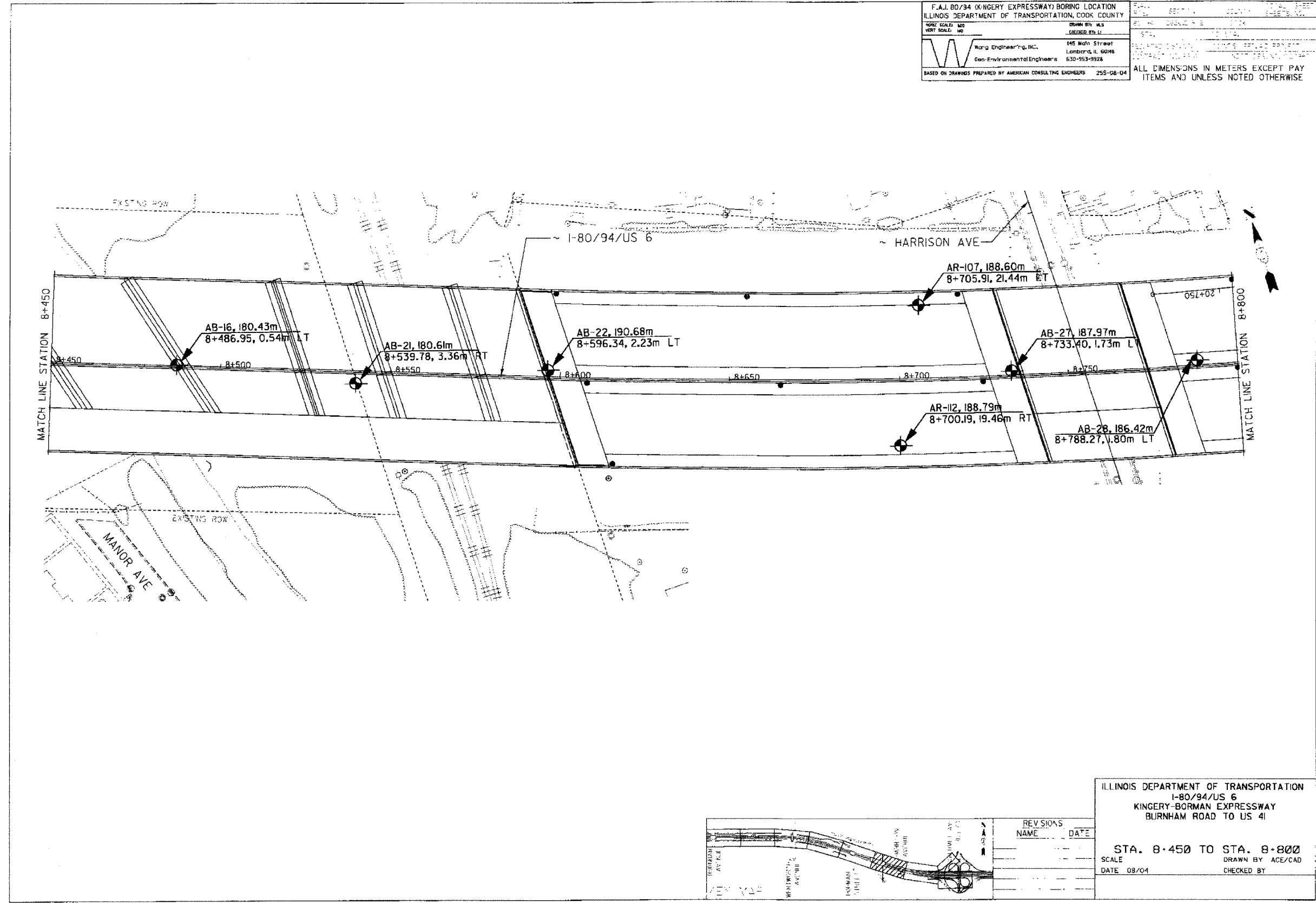
DATE: _____
 BY: _____
 SURVEYED BY: _____
 NOTED BY: _____
 INC. _____



REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41
 I-80/94/US 6
 STA. 8+100 TO STA. 8+450
 SCALE: _____ DRAWN BY: ACE/CAD
 DATE: 09/03 CHECKED BY: _____

F.A.I. 80/94 KINGERY EXPRESSWAY BORING LOCATION		DATE: 08/04	SCALE: 1"=100'
ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY		DESIGNER: ACE/CAD	CHECKED: ACE/CAD
WORK SCALE: HORIZ. 1"=100'	VERT. SCALE: 1"=10'	DRAWN BY: M.S.	CHECKED BY: L.L.
 Wang Engineering, Inc. Geo-Environmental Engineers 145 Main Street Lombard, IL 60148 630-953-9928		ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE	
BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04			



REVISIONS	
NAME	DATE

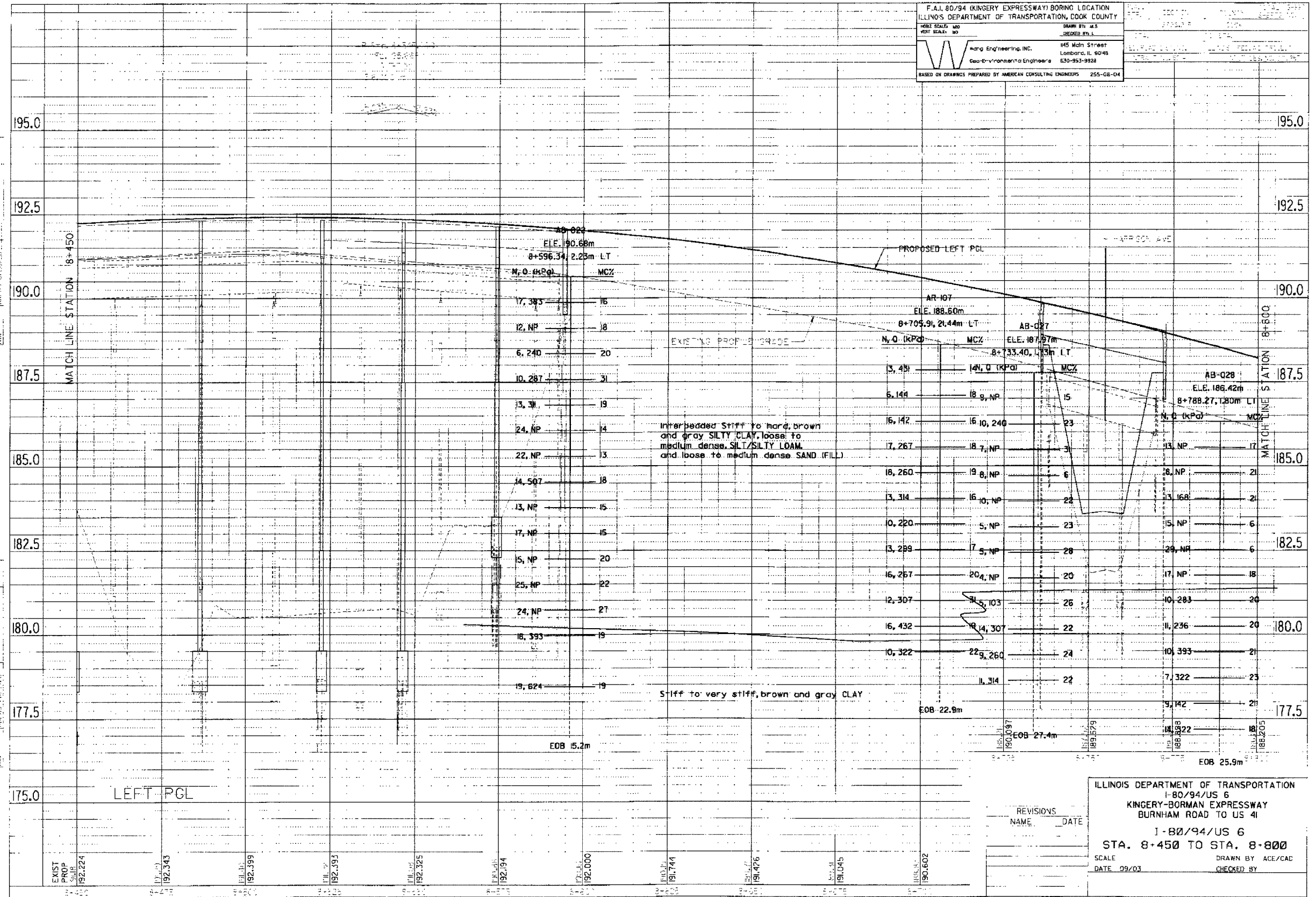
ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41

STA. 8+450 TO STA. 8+800
 SCALE: 1"=100'
 DATE: 08/04
 DRAWN BY: ACE/CAD
 CHECKED BY: ACE/CAD

F.A.I. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION
 ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY
 HORIZ. SCALE: 1"=100' VERT. SCALE: 1"=10'
 DRAWN BY: J.E.S. CHECKED BY: L.L.
 Wang Engineering, Inc. 145 Main Street Lombard, IL 60148 630-953-9928
 Geo-Environmental Engineers
 BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04

DATE: _____ BY: _____
 CHECKED BY: _____
 FINAL SURVEY PLOTTED
 NO. C. BOOK: _____
 AREA: _____
 CHECKED: _____

DATE: _____ BY: _____
 CHECKED BY: _____
 DRAWING NUMBER: I-80/94/US 6
 SHEET NUMBER: 166 OF 170
 SCALE: _____



ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41
 I-80/94/US 6
 STA. 8+450 TO STA. 8+800
 SCALE: _____ DATE: 09/03
 DRAWN BY: ACE/CAD
 CHECKED BY: _____

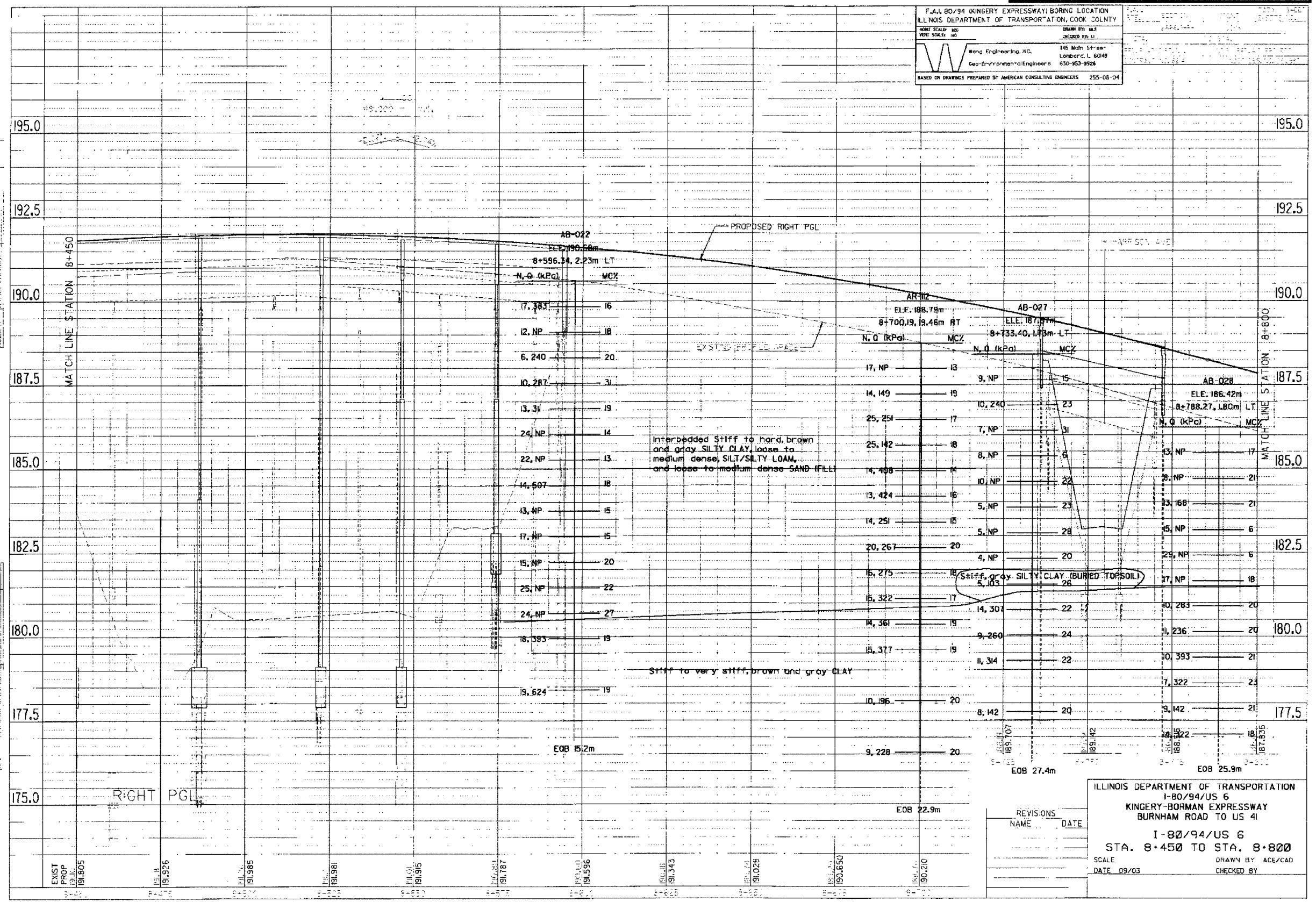
REVISIONS
 NAME: _____ DATE: _____

F.A.I. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION
ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY

HORIZ. SCALE: 1"=40'
VERT. SCALE: 1"=4'

DRAWN BY: M.S. SHREEDER, S.E.
Wang Engineering, Inc.
145 Main Street
Lombard, IL 60148
630-953-9928
Geo-Environmental Engineers

BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-05-04



REVISIONS
NAME DATE

DATE: 09/03

SCALE: 1"=40'

DRAWN BY: ACE/CAD
CHECKED BY:

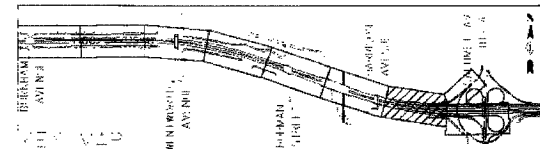
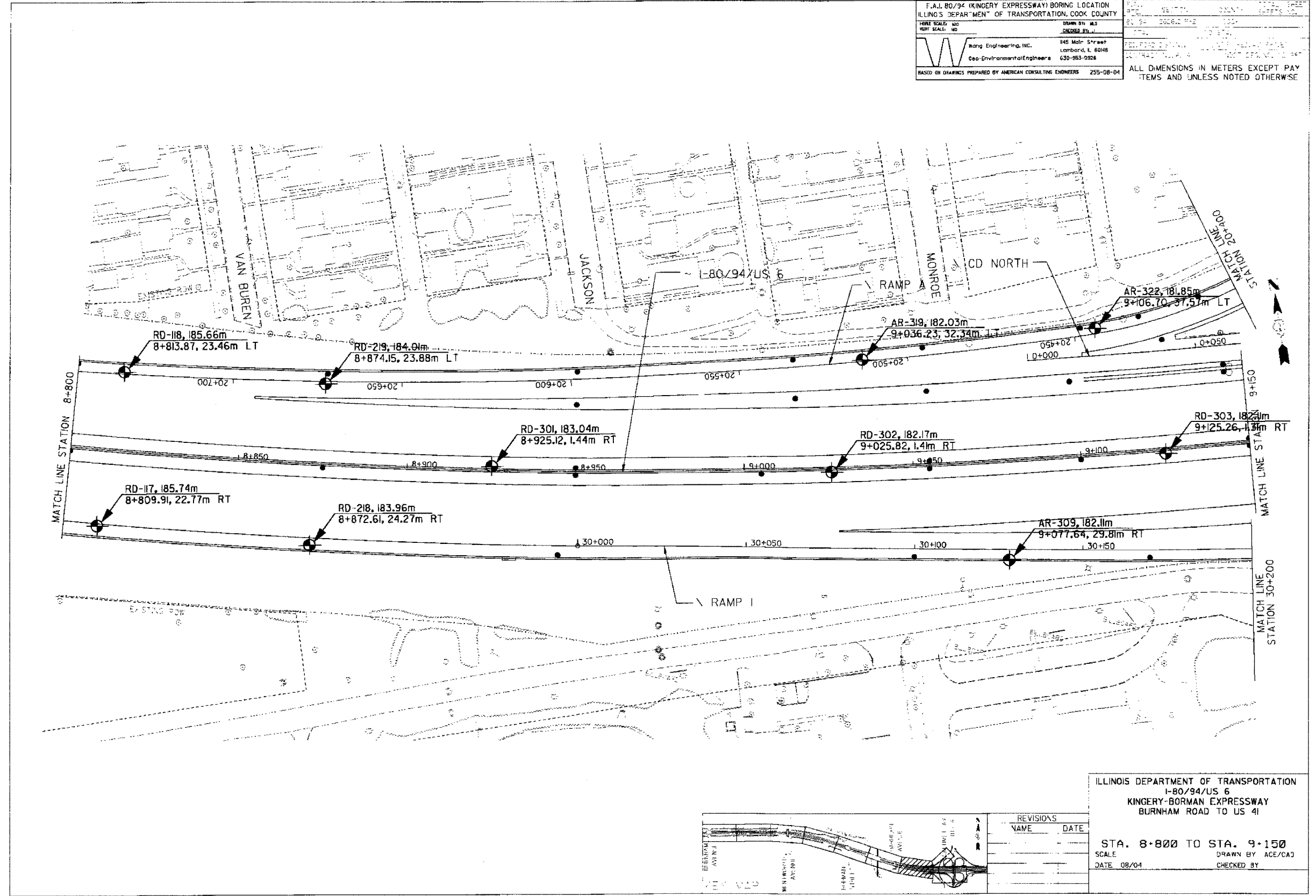
ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41

I-80/94/US 6
STA. 8+450 TO STA. 8+800

SCALE: 1"=40'
DATE: 09/03

DRAWN BY: ACE/CAD
CHECKED BY:

F.A.I. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY		DATE: 08/04	SCALE: 1"=100'
PROJECT NO. 62114	DRAWN BY: M.S.	CHECKED BY: J.S.	DATE: 08/04
Wang Engineering, Inc. 145 Main Street Lombard, IL 60148 630-953-2926	Geo-Environmental Engineers		
BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04		ALL DIMENSIONS IN METERS EXCEPT PAVEMENTS AND UNLESS NOTED OTHERWISE	




REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41

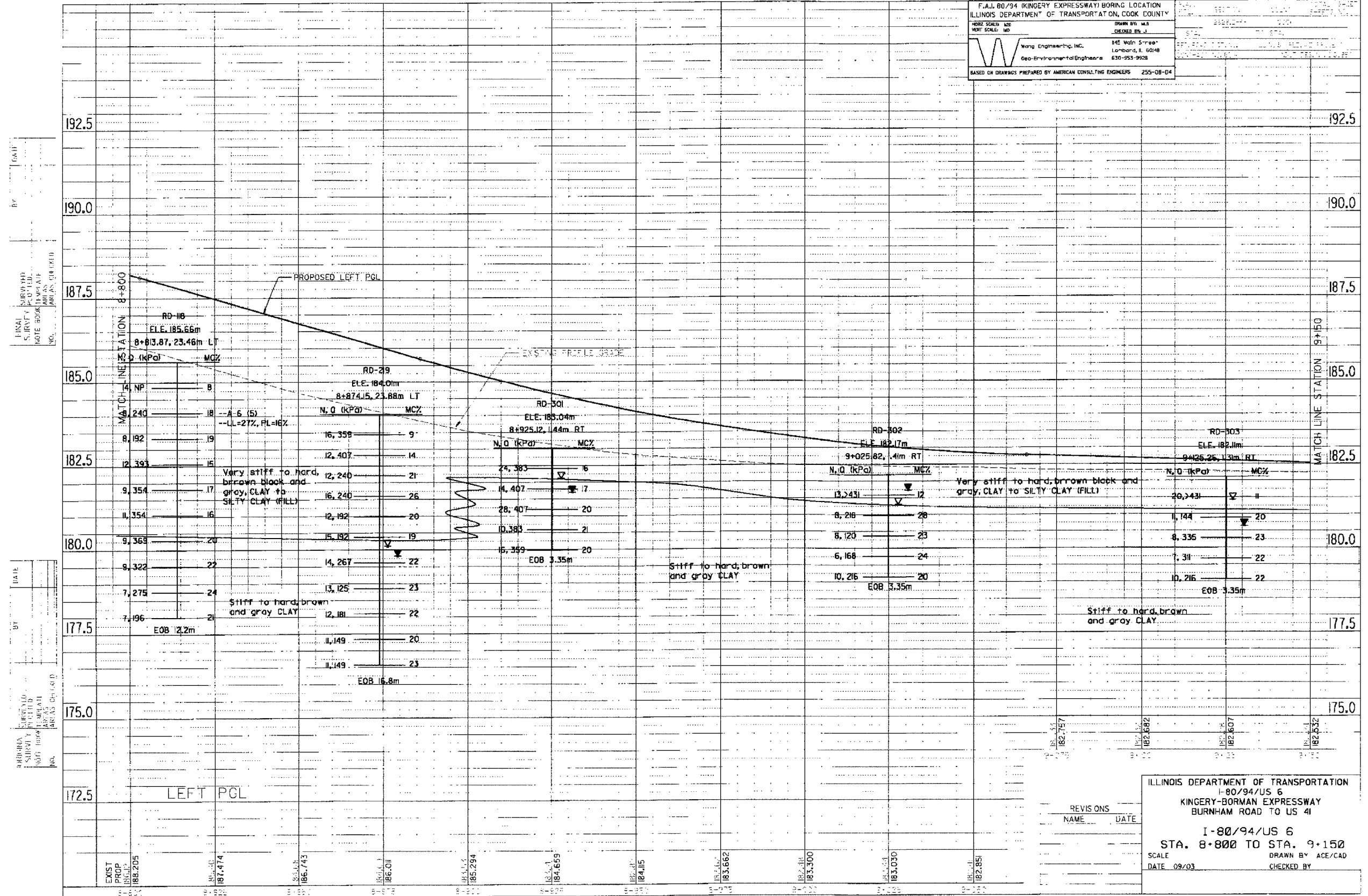
STA. 8+800 TO STA. 9+150
SCALE: 1"=100'
DATE: 08/04

DRAWN BY: ACE/CAJ
CHECKED BY:

F.A.I. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION
ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY


 Wong Engineering, Inc.
 Geo-Environmental Engineers
 145 Main Street
 Lombard, IL 60148
 630-953-9928


DRAWN BY: M.S.
 CHECKED BY: J.J.
 BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-D4



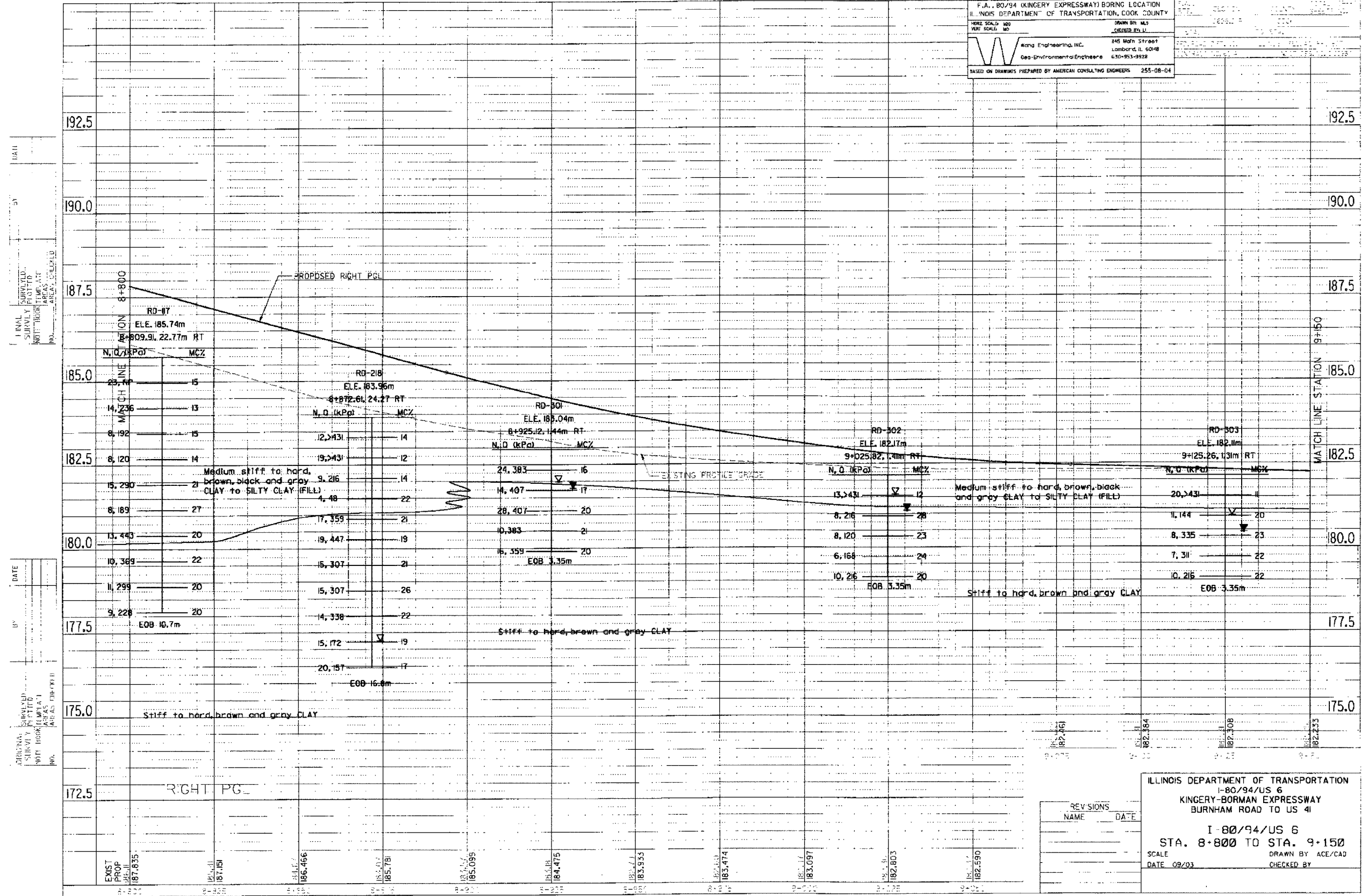
SUBMITTAL CHECKED BY: [Signature]
 DATE: [Date]
 REVISIONS: [Table]
 SCALE: [Scale]
 DATE: 09/03

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41
 I-80/94/US 6
 STA. 8+800 TO STA. 9+150
 SCALE: DRAWN BY ACE/CAD
 DATE 09/03 CHECKED BY:

F.A. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION
 ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY


 Wanda Engineering, Inc.
 Geo-Environmental Engineers
 145 Main Street
 Lombard, IL 60148
 630-953-9928

DRAWN BY: MJS
 CHECKED BY: JLD
 BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04




DATE: _____
 BY: _____
 CHECKED BY: _____
 DRAWN BY: _____
 SCALE: _____
 DATE: 09/03

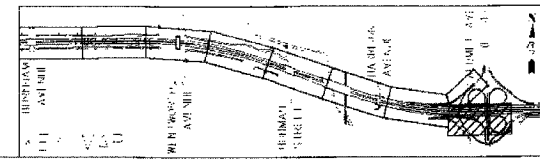
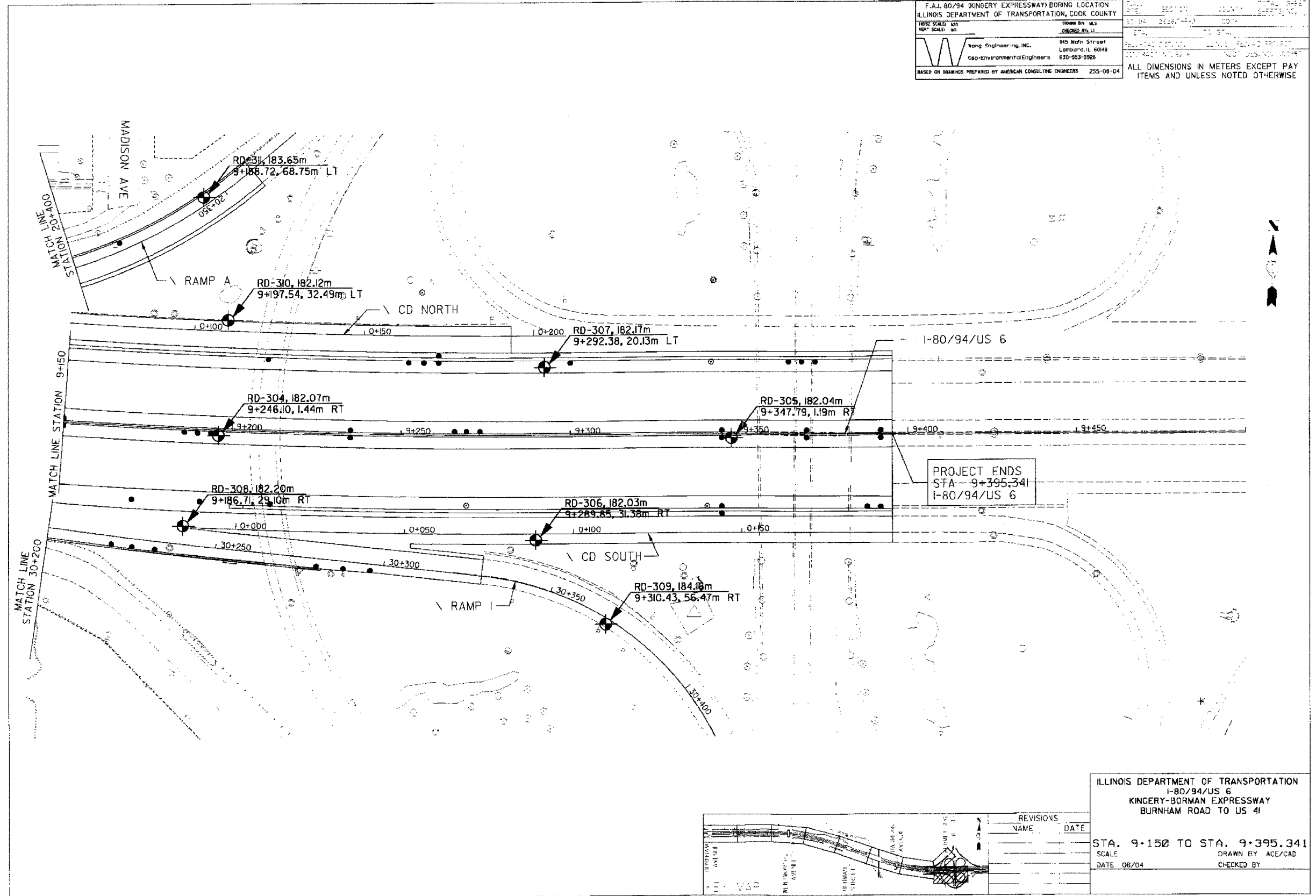
ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41

I-80/94/US 6
 STA. 8+800 TO STA. 9+150

SCALE: _____
 DATE: 09/03

DRAWN BY: ACE/CAD
 CHECKED BY: _____

F.A.I. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY		DATE: 08/04	SCALE: 1"=100'
HORIZ. SCALE: 1"=100'	VERT. SCALE: 1"=10'	PROJECT NO.: 62114	SHEET NO.: 171
 Wang Engineering, Inc. Geo-Environmental Engineers 145 Main Street Lombard, IL 60148 630-953-2926		ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE	
BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04			



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 4I

STA. 9+150 TO STA. 9+395.341
 SCALE: 1"=100'
 DATE: 08/04

DRAWN BY: ACE/CAD
 CHECKED BY:

F.A.J. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION
 ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY

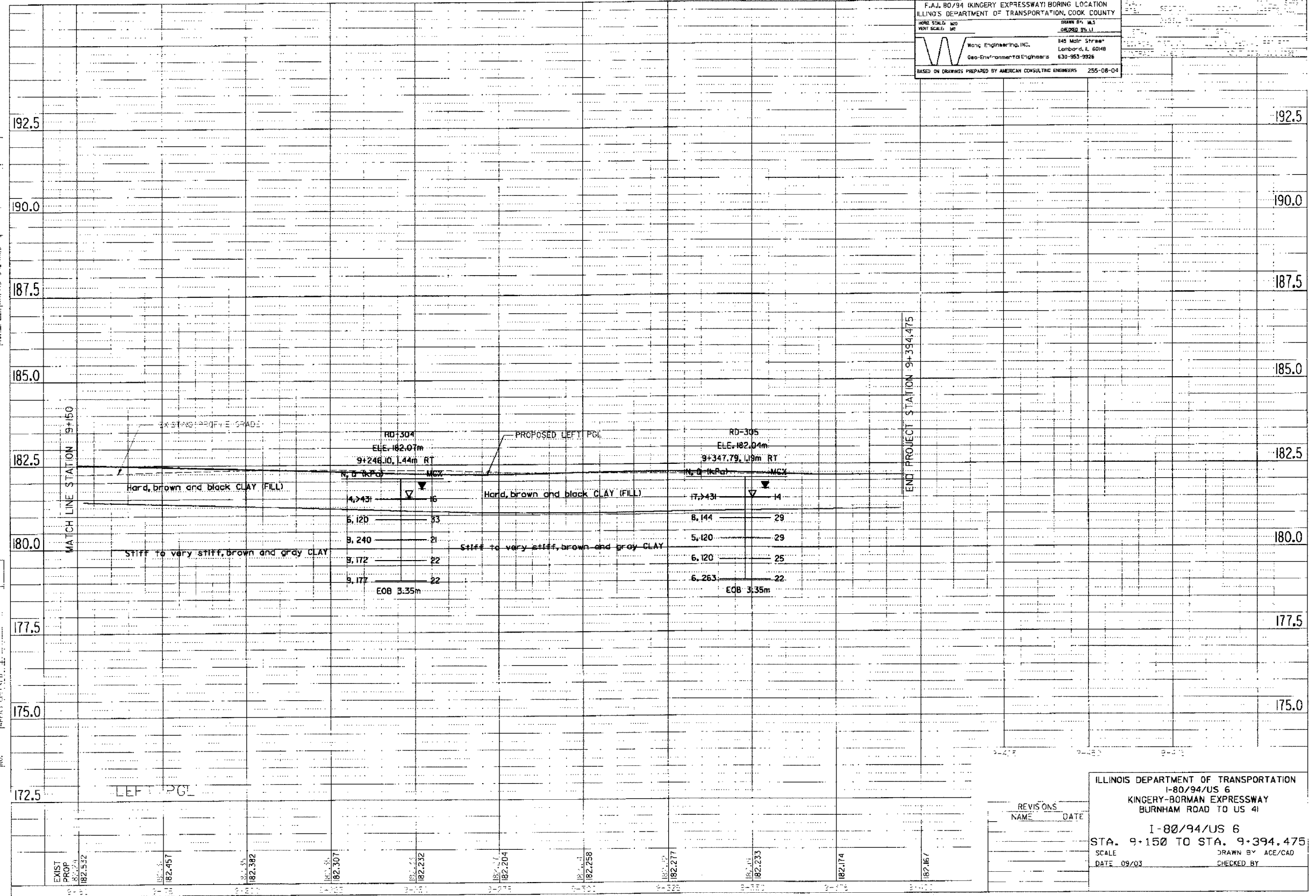
DATE: 09/03
 DRAWN BY: ACE/CAD
 CHECKED BY: []

Wong Engineering, Inc.
 Geo-Environmental Engineers
 145 Main Street
 Lombard, IL 60148
 630-953-9928

BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04

FINAL SURVEYED
 SECURITY PLOTTED
 WITH BORE TEMPLATE
 NO. [] AREAS CHECKED

ORIGINAL SURVEYED
 SECURITY PLOTTED
 WITH BORE TEMPLATE
 NO. [] AREAS CHECKED



REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41

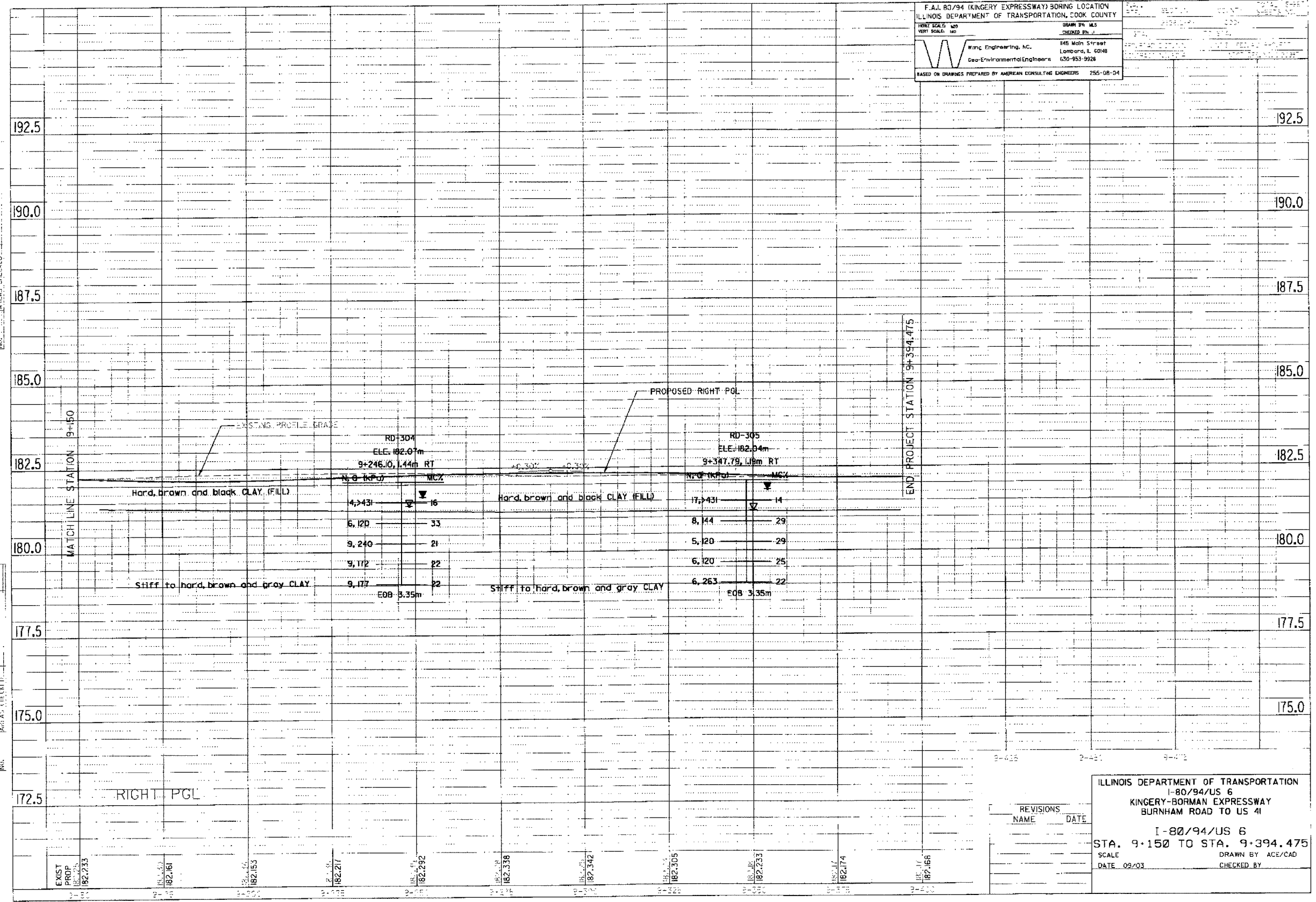
I-80/94/US 6
 STA. 9+150 TO STA. 9+394.475

SCALE: DATE 09/03
 DRAWN BY: ACE/CAD
 CHECKED BY: []

F.A.I. RD/94 (KINGERY EXPRESSWAY) BORING LOCATION
 ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY
 HORIZ SCALE: 1"=40' VERT SCALE: 1"=10'
 DRAWN BY: M.S. CHECKED BY: J.
 Wanc Engineering, Inc. 845 Main Street Lombard, IL 60148 630-953-9928
 Geo-Environmental Engineers
 BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04

BY: JAIL
 FINAL SURVEY REPORT
 NOT TO BE USED FOR ANY OTHER PROJECT
 NO. 111111

DATE: _____
 ORIGINAL SURVEY REPORT
 NOT TO BE USED FOR ANY OTHER PROJECT
 NO. 111111

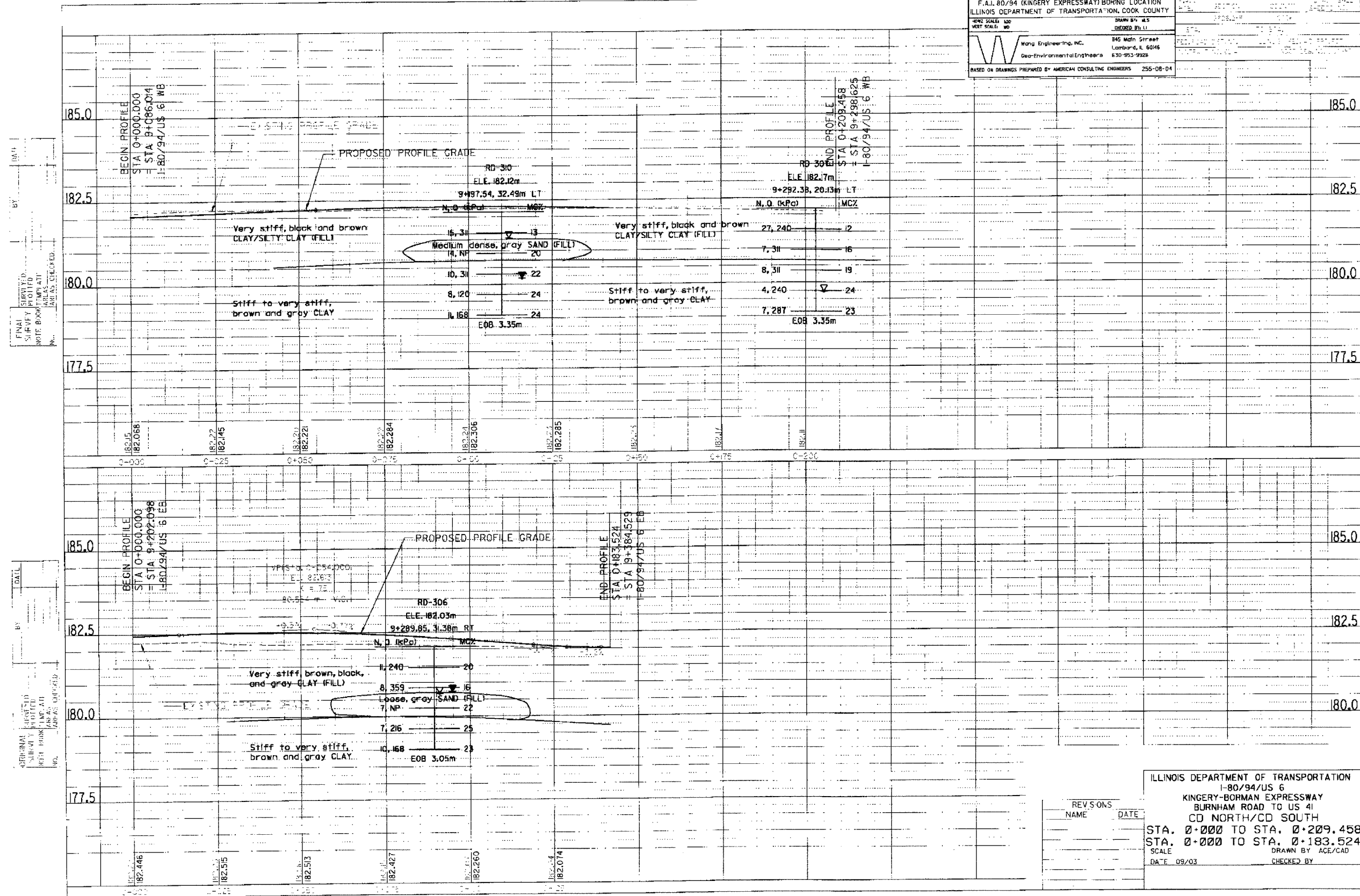


REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 4I
 I-80/94/US 6
 STA. 9+150 TO STA. 9+394.475
 SCALE DATE 09/03
 DRAWN BY ACE/CAD
 CHECKED BY

F.A.I. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION
 ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY

HORIZ. SCALE: 1"=20'	VERT. SCALE: 1"=10'	DRAWN BY: M.S. GEORGE (PL)
		845 Main Street Lombard, IL 60148 630-953-9928
BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04		



DATE: _____
 BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 TITLE: _____

DATE: _____
 BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 TITLE: _____

REV. NO.	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41
 CD NORTH/CD SOUTH
 STA. 0+000 TO STA. 0+209.458
 STA. 0+000 TO STA. 0+183.524
 SCALE: _____
 DATE: 09/03
 DRAWN BY: ACE/CAD
 CHECKED BY: _____

F.A.I. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION
ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY

HORIZ SCALE: 1"=40'
VERT SCALE: 1"=10'

DRAWN BY: M.S.
CHECKED BY: L.L.

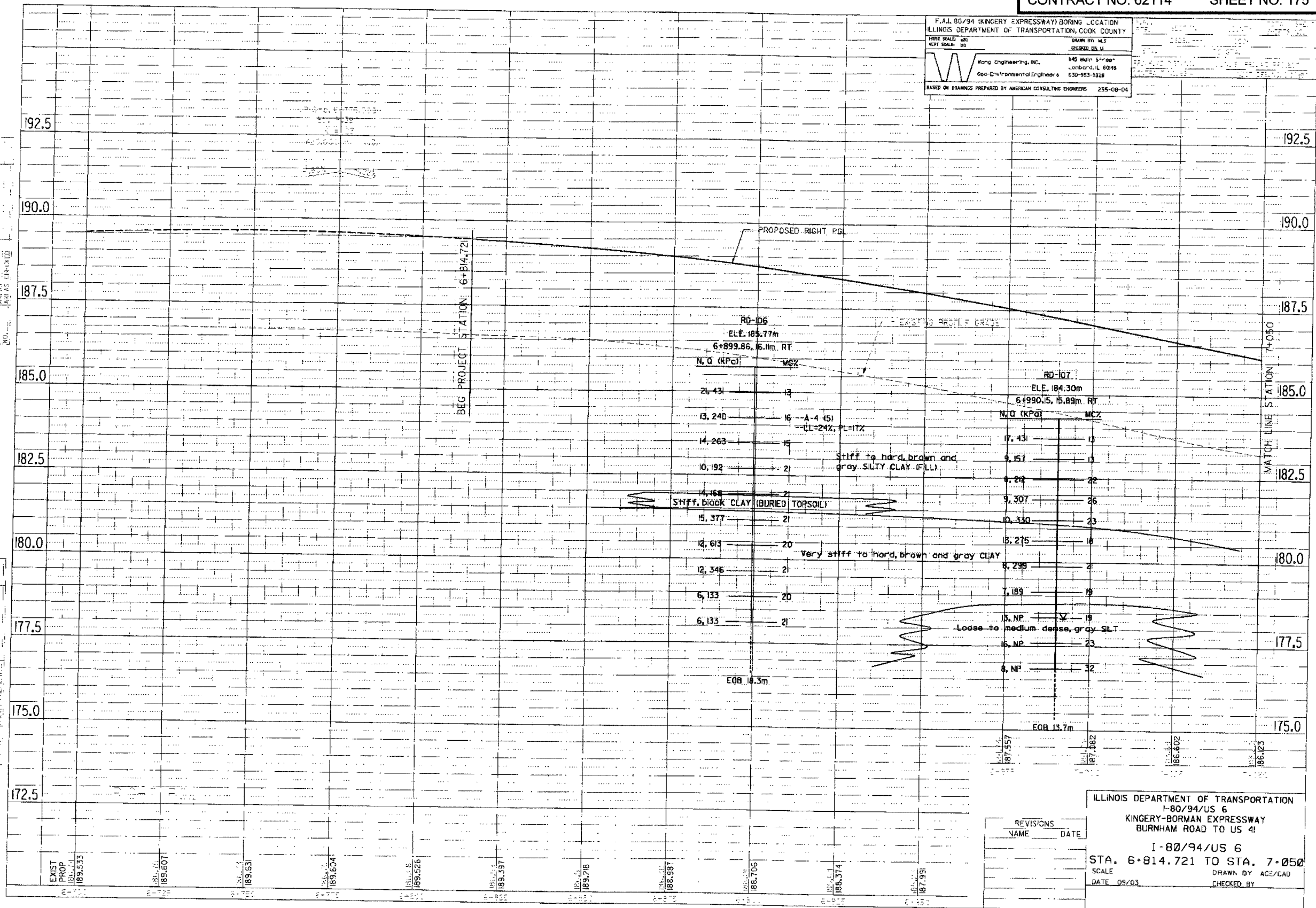
Wang Engineering, Inc.
145 Main Street
Lombard, IL 60148
630-953-9928

Geo-Environmental Engineers

BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04

FINAL SURVEYED
SURVEY PROFILE
NOT TO BE USED
FOR ANY OTHER
PROJECT

DATE: _____
BY: _____
SUBMITTED
DATE: _____
BY: _____
DATE: _____




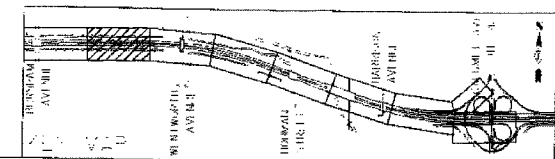
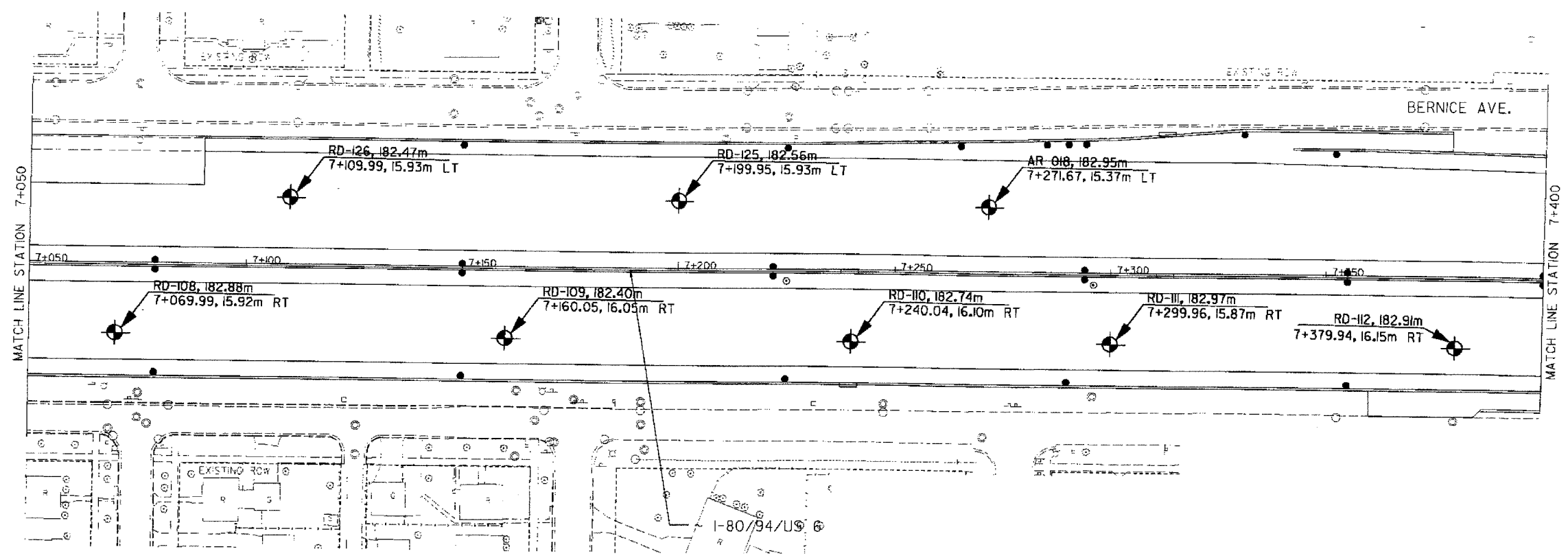
REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41

I-80/94/US 6
STA. 6+814.721 TO STA. 7+050

SCALE: _____
DATE: 09/03
DRAWN BY: ACE/CAD
CHECKED BY: _____

F.A.I. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION		DATE: 08/04	SCALE: 1"=40'
ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY		PROJECT NO: 62114	SHEET NO: 176
HORIZ SCALE: 1"=40'	VERT SCALE: 1"=10'	DRAWN BY: M.S.	CHECKED BY: J.L.
 Wang Engineering, Inc. Geo-Environmental Engineers 145 Main Street Lombard, IL 60148 630-953-9928		ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE	
BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04			



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 4I

STA. 7+050 TO STA. 7+400
 SCALE: 1"=40'
 DATE: 08/04
 DRAWN BY: ACE/CAD
 CHECKED BY:

F.A.I. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION
 ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY

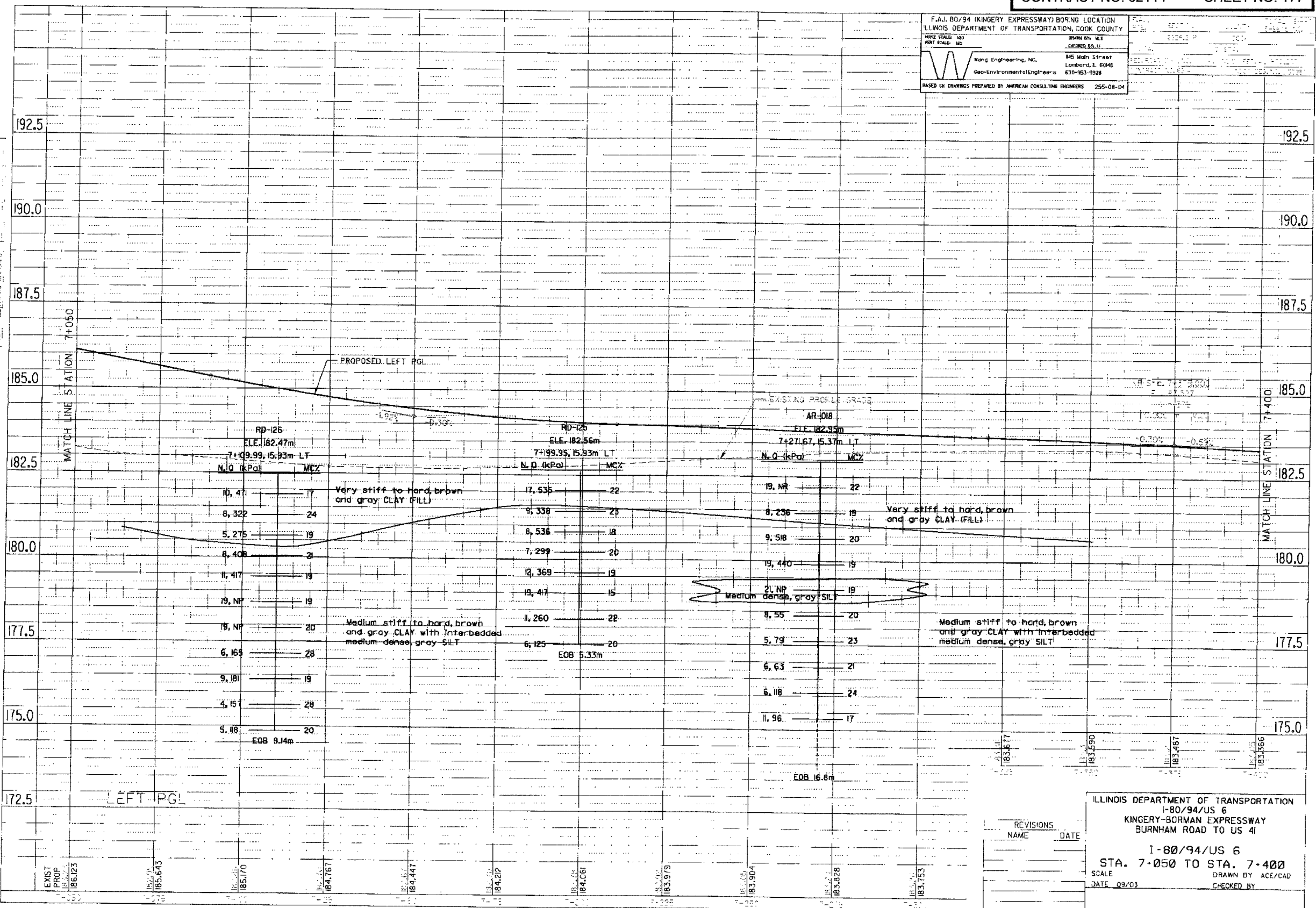
DATE: 09/03
 DRAWN BY: W.S.
 CHECKED BY: W.S.

Wong Engineering, Inc.
 145 Main Street
 Lombard, IL 60148
 Geo-Environmental Engineers
 630-953-9928

BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04

FINAL SURVEY
 SURVEY
 PLOTTED
 NOT TO SCALE
 DATE: 09/03

ORIGINAL SURVEY
 SURVEY
 PLOTTED
 NOT TO SCALE
 DATE: 09/03



REVISIONS	DATE
NAME	

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 4I

I-80/94/US 6
 STA. 7-050 TO STA. 7-400

SCALE: DRAWN BY ACE/CAD
 DATE 09/03 CHECKED BY

I-80/94 (KINGERY EXPRESSWAY) BORING LOCATION
 ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY

HORIZ SCALE: 1"=40'
 VERT SCALE: 1"=10'

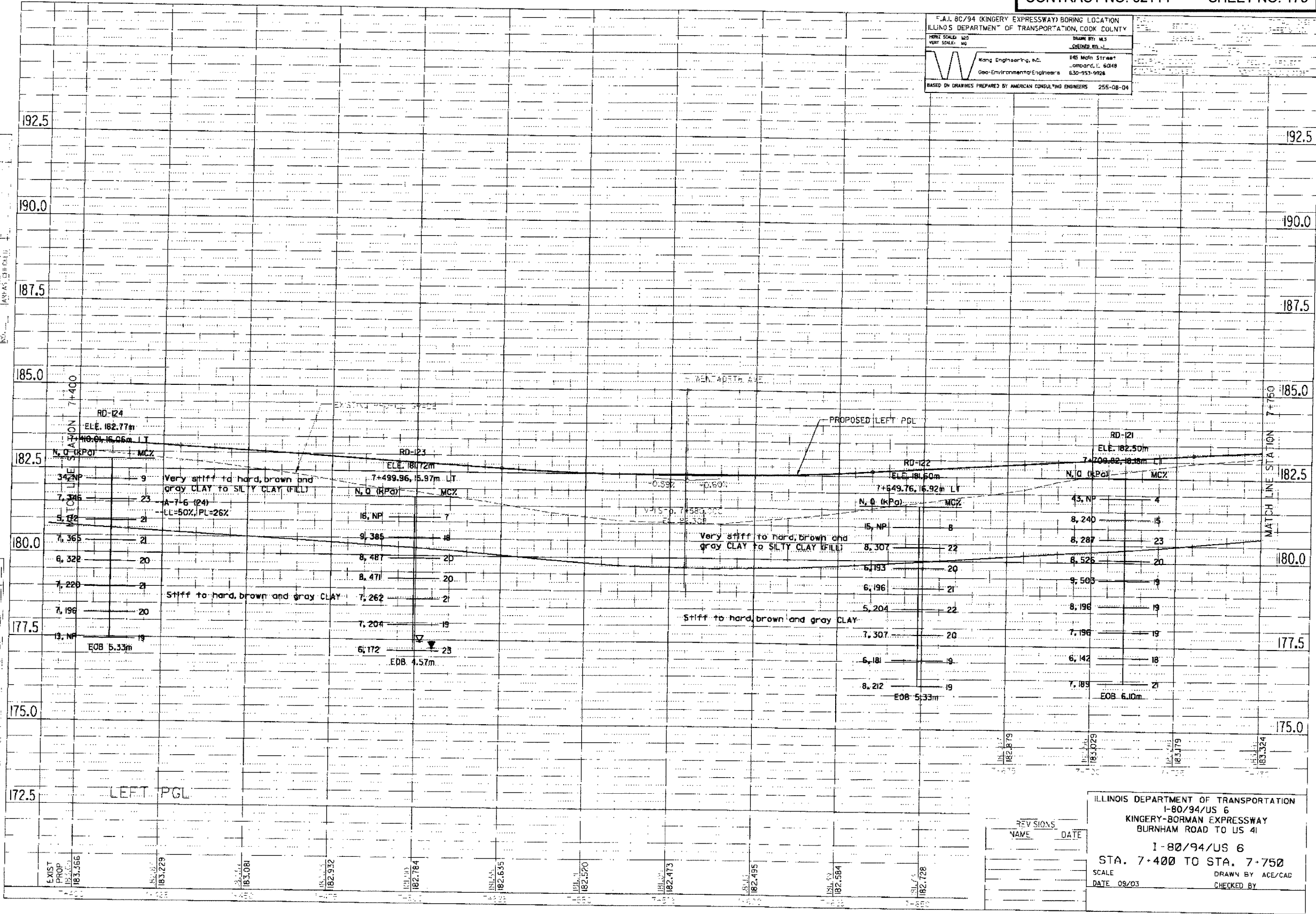
DESIGNED BY: M.S.
 DRAWN BY: M.S.

Wang Engineering, Inc.
 145 Mohr Street
 Lombard, IL 60148
 Geo-Environmental Engineers
 630-953-9928

BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04

FINAL SURVEY REPORT
 NOT TO BE USED FOR
 ANY OTHER PROJECTS
 WITHOUT THE WRITTEN
 APPROVAL OF THE
 SURVEYOR

DATE: _____
 BY: _____
 CHECKED BY: _____
 APPROVED BY: _____



REV	NO.	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41

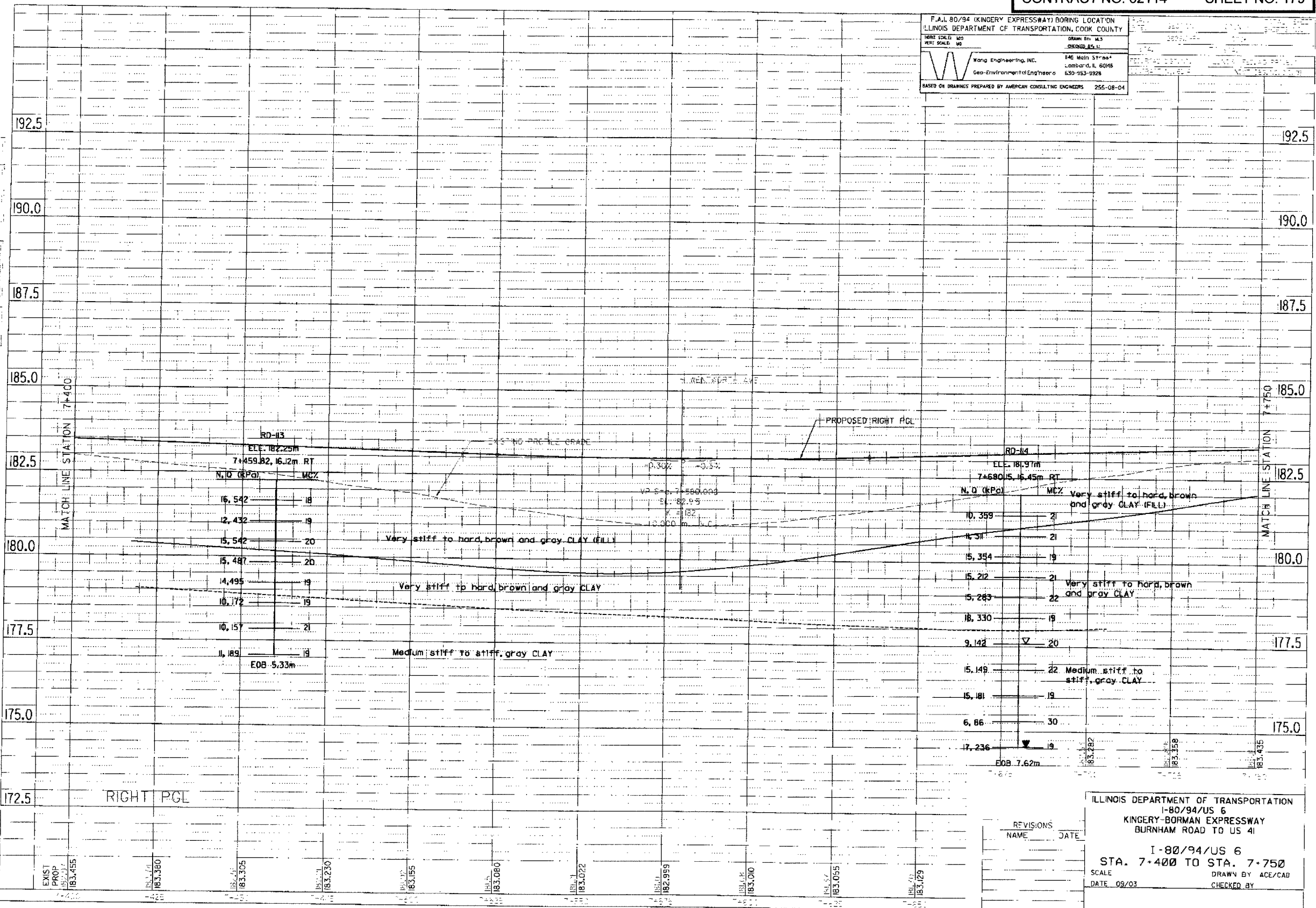
STA. 7+400 TO STA. 7+750

SCALE: _____
 DATE: 08/03
 DRAWN BY: ACE/CAD
 CHECKED BY: _____

F.A.I. 80/94 (KINGERY EXPRESSWAY) BORING LOCATION
 ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY
 HORIZ SCALE: 1"=40'
 VERT SCALE: 1"=10'
 DRAWN BY: M.S.
 CHECKED BY: L.L.
 Wang Engineering, Inc.
 146 Main Street
 Lombard, IL 60148
 Geo-Environmental Engineers
 630-953-9928
 BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04

FINAL SURVEYED
 SURVEY PLOTTED
 NORTH BOUND
 AREAS CHECKED BY
 182

ORIGINAL SURVEYED
 SURVEY PLOTTED
 NORTH BOUND
 AREAS CHECKED BY
 182



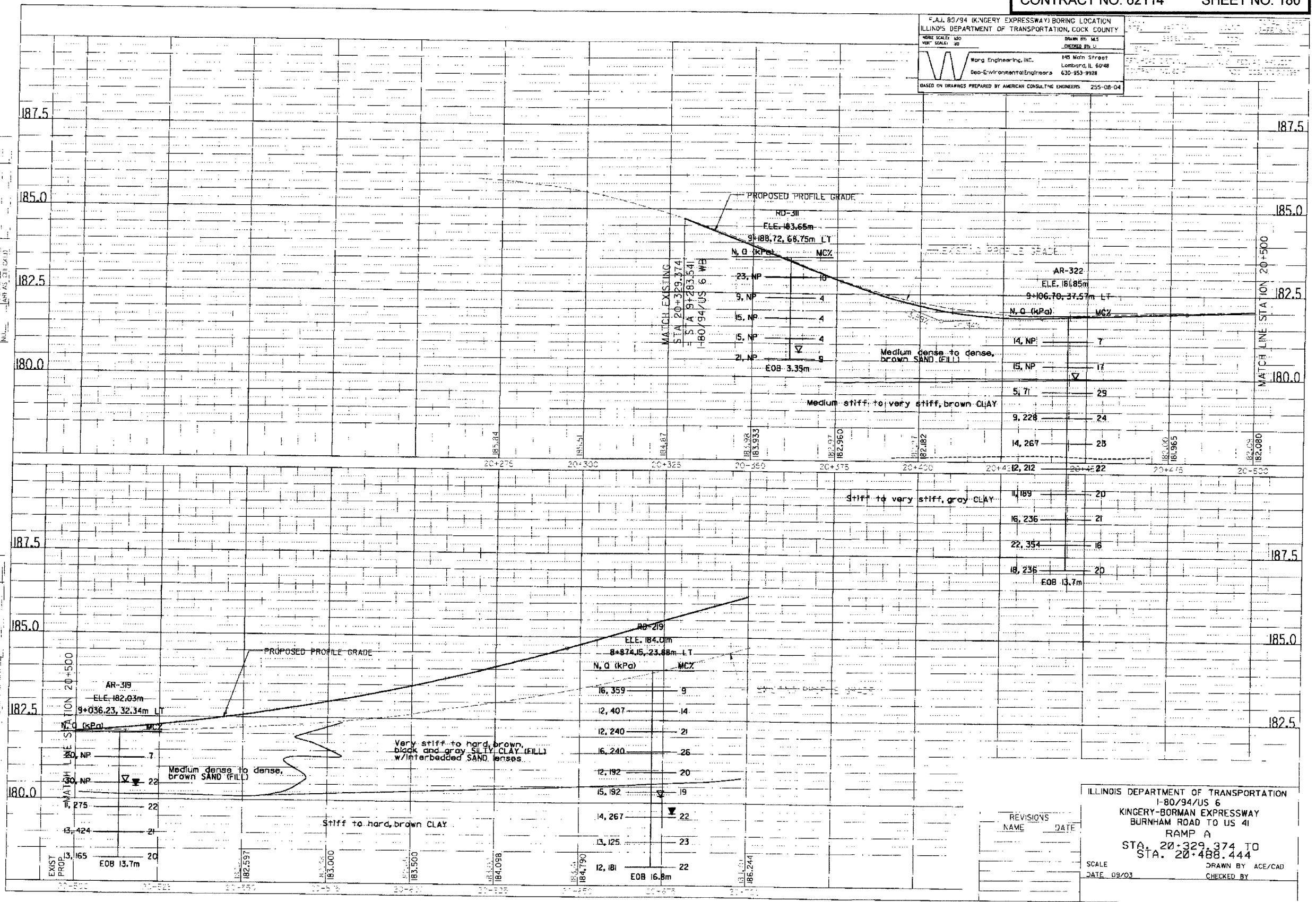
REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41
 I-80/94/US 6
 STA. 7-400 TO STA. 7-750
 SCALE DRAWN BY ACE/CAD
 DATE 09/03 CHECKED BY

I-80/94 (KINGERY EXPRESSWAY) BORING LOCATION
 ILLINOIS DEPARTMENT OF TRANSPORTATION, COCK COUNTY
 HORIZ SCALE: 1"=30'
 VERT SCALE: 1"=10'
 DRAWN BY: MJS
 CHECKED BY: JLD
 Worg Engineering, Inc.
 145 Main Street
 Lombard, IL 60488
 630-953-9928
 BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04

FINAL SURVEY SUBMITTED
 DATE: 09/03/03
 BY: JLD
 NOTED: TYPICAL
 DATE: 09/03/03
 BY: JLD

ORIGINAL SURVEY PLOTTED
 DATE: 09/03/03
 BY: JLD
 NOTED: TYPICAL
 DATE: 09/03/03
 BY: JLD



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41
 RAMP A
 STA. 20+329.374 TO
 STA. 20+488.444
 SCALE: 1"=30'
 DATE: 09/03
 DRAWN BY: ACE/CAD
 CHECKED BY: JLD

F.A. 1-80/94 (KINGERY EXPRESSWAY) BORING LOCATION
ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY

DATE: 09/03

SCALE: 1"=40'

DRAWN BY: M.S.

CHECKED BY: J.L.

Wong Engineering, Inc.
146 Midway Street
Lombard, IL 60148
630-953-9928

Geo-Environmental Engineers

BASED ON DRAWINGS PREPARED BY AMERICAN CONSULTING ENGINEERS 255-08-04

DATE: 09/03

BY: M.S.

PROJECT: I-80/94 (KINGERY EXPRESSWAY) BORING LOCATION

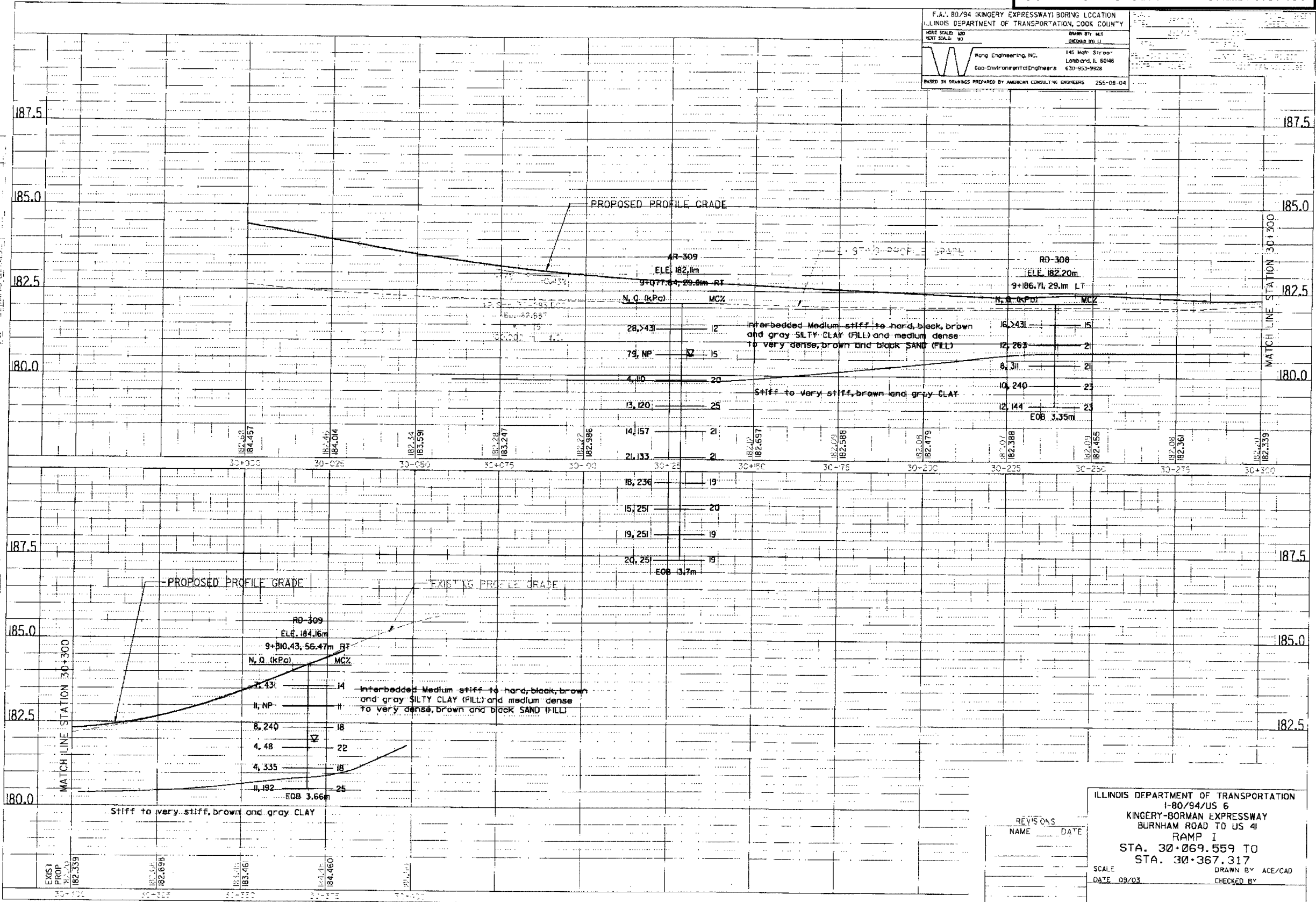
NO. 181

DATE: 09/03

BY: M.S.

PROJECT: I-80/94 (KINGERY EXPRESSWAY) BORING LOCATION

NO. 181



ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41
RAMP I
STA. 30+069.559 TO
STA. 30+367.317

SCALE: 1"=40'

DATE: 09/03

DRAWN BY: ACE/CAD

CHECKED BY:

REVISIONS

NO.	NAME	DATE

ALL DIMENSIONS IN METERS EXCEPT PAY
ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	182
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62114		INDOT DES. NO. 0100987		

GENERAL

ALL REFERENCE TO PLANS IN THE FOLLOWING TEXT IS INTENDED TO REFER TO THE MAINTENANCE OF TRAFFIC PLANS UNLESS SPECIFICALLY STATED OTHERWISE.

DURING THE CONSTRUCTION OF AND WITHIN THE LIMITS OF THE CONTRACT, OTHERS ARE SCHEDULED TO WORK ON THE LIGHTING (CONTRACT 62664) AND OTHER CONTRACTS FROM PREVIOUS PHASES ALONG FAI ROUTE 80/94.

PRE-STAGE 1 - SUGGESTED TRAFFIC PLAN

SET UP ALIGNMENT AND TEMPORARY PAVEMENT MARKING (TPM) FOR REDUCED EASTBOUND TRAFFIC LANE WIDTH FROM STATION 7+136 TO STATION 7+564. PLACE TEMPORARY CONCRETE BARRIER (TCB) ALONG THE EASTBOUND MEDIAN SHOULDER.

SUGGESTED MAJOR ITEMS OF WORK:
REMOVE THE MEDIAN CONCRETE BARRIER AND SHOULDER. ADJUST DRAINAGE STRUCTURES AND PLACE TEMPORARY PAVEMENT INTERSTATE. INSTALL THE ACCIDENT INVESTIGATION (AI) SITE MATERIALS AND EQUIPMENT. REMOVE THE MEDIAN BARRIER WALL AND CONSTRUCT THE TEMPORARY PAVEMENT FOR THE CROSSOVER EAST OF CALUMET AVENUE.

STAGE 1 - SUGGESTED TRAFFIC PLAN

MAINTAIN TRAFFIC IN THE EXISTING EASTBOUND LANES AND REMOVE CONFLICTING PAVEMENT MARKING AND INSTALL TEMPORARY PAVEMENT MARKING (TPM) IN THE OLD WESTBOUND LANES. SET TCB AND SIGNING FOR STAGE 1. MAINTAIN SUGGESTED ACCESS LOCATION TO EB WORK AREAS AT STATION 7+050, 7+750 AND 8+650 OR AS DIRECTED. SHIFT THE EASTBOUND (EB) TRAFFIC TO OLD WESTBOUND (WB) LANES. COORDINATE WITH ADJACENT CONTRACTOR. TCB SHALL BE FIRMLY ANCHORED TO THE EXISTING PAVEMENT BETWEEN STATION 7+500 AND STATION 9+400 IN THIS STAGE.

SUGGESTED MAJOR ITEMS OF WORK:
CONSTRUCT THE THREE OUTSIDE EB LANES, SHOULDER AND PROPOSED DRAINAGE LATERALS. PLACE EMBANKMENT WHILE MAINTAINING TRAVERSABLE EMERGENCY ACCESS ACROSS THE EARTHWORK TO THE ACTIVE TRAFFIC LANES. RESERVE THE WEST ZONE FOR LAST AND IF NEEDED CONSTRUCT IN STAGE 2A. DEMOLISH THE LITTLE CALUMET STRUCTURE ELEMENTS AS SPACE PERMITS. DEMOLISH AND CONSTRUCT THE STAGE ONE LIMITS OF HOHMAN AND HARRISON STRUCTURES. INITIATE WORK ON THE FOOTINGS OF THE WB RETAINING WALLS.

PRE-STAGE 2 - TRAFFIC PLAN ADJUSTMENT FOR DRAINAGE

RESET THE TCB AROUND THE WORK AREAS TO PROVIDE SPACE FOR EXCAVATION AND TEMPORARY DRAINAGE CONNECTIONS AS SHOWN IN THE PLANS. CONNECT THE DRAINAGE LATERALS TO THE STRUCTURES AND PATCH THE PAVEMENT. CONSTRUCT CROSS-OVER PAVEMENT TO CONNECT THE EXISTING WB PAVEMENT TO THE NEW EB PAVEMENT FOR STAGE 2A TRAFFIC. SEE MOT DETAIL PROVIDED.

STAGE 2A - SUGGESTED TRAFFIC PLAN

THIS STAGE IS INTENDED TO ALLOW WORK TO CONTINUE IN ADVANCE OF THE COMPLETION OF THE EASTBOUND HALF OF THE BURNHAM BRIDGE. IF THE ENTIRE EASTBOUND HALF OF BURNHAM BRIDGE IS COMPLETED DURING STAGE 1, THE CONTRACTOR MAY IGNORE STAGE 2A AND SET UP FOR STAGE 2B.

PLACE TPM AND TCB FOR THE CROSSOVER AND NEW EB LANES FROM STATION 7+670 EASTWARD. PROVIDE AT LEAST 1.2 METERS OF SEPARATION BETWEEN LEFT TRAFFIC LANE AND THE TCB. MAINTAIN SUGGESTED ACCESS LOCATION TO EB WORK AREAS AT STATION 7+050 AND 8+350 AND WB AT 7+750, 8+650 AND 9+100 OR AS DIRECTED. SHIFT EB TRAFFIC TO THE CROSSOVER AND ONTO THE NEW EB LANES AND SHOULDER.

SUGGESTED MAJOR ITEMS OF WORK:
DEMOLISH/CONSTRUCT THE EB INSIDE LANES ON HOHMAN, L. CALUMET RIVER, AND HARRISON BRIDGES. CONSTRUCT EARTHWORK, DRAINAGE, SUBBASE AND PAVEMENT FOR THE TWO EB INSIDE LANES AND INSIDE SHOULDER FROM STATION 7+600 TO STATION 9+395.341. CONSTRUCT DRAINAGE OUTLET TO LITTLE CALUMET RIVER. COMPLETE THE OUTER EB ROADWAY IN THE AREAS AVAILABLE FROM STATION 6+815 EASTWARD.

STAGE 2B - SUGGESTED TRAFFIC PLAN

PLACE TPM AND TCB TO SHIFT EB TRAFFIC TO THE NEW EB OUTSIDE TWO LANES AND OUTSIDE SHOULDER COORDINATE THE SHIFT WITH ADJACENT CONTRACTOR. PROVIDE AT LEAST 1.2 METERS OF SEPARATION BETWEEN LEFT TRAFFIC LANE AND THE TCB.

SUGGESTED MAJOR ITEMS OF WORK:
CONSTRUCT EARTHWORK, MAJOR DRAINAGE STRUCTURES, STORM SEWERS, SUBBASE AND PAVEMENT FOR THE TWO EB INSIDE LANES AND INSIDE SHOULDER FROM STATION 6+815 TO STATION 9+395.341. CONTINUE CONSTRUCTING THE INSIDE LANES ON THE HOHMAN, THE LITTLE CALUMET RIVER, AND THE HARRISON BRIDGES. CONSTRUCT THE MEDIAN BARRIER WALL EXCEPT IN AREAS BETWEEN THE TWO SIGN STRUCTURES AROUND STATION 7+250 TO 7+300 AND WHERE EMERGENCY ACCESS MUST BE MAINTAINED.

STAGE 3 - SUGGESTED TRAFFIC PLAN

PLACE TPM AND TCB TO SHIFT WB TRAFFIC TO THE PROPOSED INSIDE TWO EB LANES AND INSIDE SHOULDER. MAINTAIN SUGGESTED ACCESS LOCATION TO WB WORK AREAS AT STATION 7+050, 7+750, 8+350 AND 8+900 WB OR AS DIRECTED. COORDINATE THE SHIFTING OF WB TRAFFIC WITH ADJACENT CONTRACTOR. EB TRAFFIC WILL REMAIN IN THE SAME LOCATION AS IN STAGE 2B. MAINTAIN A MINIMUM DISTANCE OF 1.2 METERS BETWEEN THE TRAFFIC AND THE TCB, WHICH DIVIDES TRAFFIC.

SUGGESTED MAJOR ITEMS OF WORK:
REMOVE AND RECONSTRUCT THE WB HOHMAN, LITTLE CALUMET RIVER, AND HARRISON BRIDGES. INSTALL EARTHWORK, DRAINAGE, SUBBASE AND PAVEMENT FOR ALL WB LANES AND SHOULDERS. INSTALL MEDIAN CONCRETE BARRIER IN AREAS NOT INSTALLED IN PREVIOUS STAGES.

FINAL STAGE - SUGGESTED TRAFFIC PLAN

SHIFT THE WB TRAFFIC TO THE NEW OUTER THREE WB LANES. SHIFT THE EB TRAFFIC TO THE NEW OUTER THREE LANES THROUGH THE CALUMET AVE INTERCHANGE. INSIDE LANES TO BE CLOSED. SET UP WITH CONTRACT 62111 CONTRACTOR.

SUGGESTED MAJOR ITEMS OF WORK:
REMOVE THE CROSSOVER PAVEMENT STATION 9+400 TO STATION 9+650. INSTALL THE CONCRETE MEDIAN BARRIER REMAINING STATION 7+240 TO STATION 7+305 AND STATION 9+400 TO STATION 9+650. REMOVE THE TEMPORARY PAVEMENT BETWEEN THE CD ROAD AND THE MAINLINE AT CALUMET AVE. AND INSTALL THE CONCRETE BARRIER.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41
MAINTENANCE OF TRAFFIC
SUGGESTED CONSTRUCTION PLAN

SCALE NTS
DATE 07/05

DRAWN BY ACE/CAD
CHECKED BY TAE

AMERICAN
CONSULTING ENGINEERS

ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	183
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			

GENERAL NOTES

TRAFFIC CONTROL FOR I-80/94/US 6 AND ALL RAMPS SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)".

TRAFFIC CONTROL FOR LOCAL ROADS AND INTERSECTIONS SHALL BE PAID FOR AT THE LUMP SUM PRICE FOR "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".

REFER TO PLAN AND PROFILE SHEETS AND THE CONSTRUCTION STAGING AND MAINTENANCE OF TRAFFIC PLANS FOR GEOMETRIC INFORMATION.

THE CONTRACTOR SHALL COORDINATE WITH THE ADJACENT CONTRACTOR WHEN INSTALLING TEMPORARY CONCRETE BARRIER. ADJACENT WALL SHALL BE THE SAME, EITHER NEW JERSEY SHAPE OF F-SHAPE BARRIER. THE MIXING OF TYPES OF WALL IN A CONTINUOUS LINE WILL NOT BE PERMITTED.

STORM SEWER CONNECTIONS IN ACTIVE TRAFFIC LANES OR SHOULDERS SHALL BE CONSTRUCTED DURING THE ALLOWABLE LANE CLOSURE HOURS. CLOSE THE LANE OF TRAFFIC, USING APPLICABLE HIGHWAY STANDARDS. REMOVE THE TCB, MAKE THE CONNECTION, PATCH THE PAVEMENT, AND RE-INSTALL THE TCB. THE REMOVAL AND REINSTALLATION OF TCB FOR THE PURPOSE OF STORM SEWER CONNECTIONS WILL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)".

NOISEWALL, WHICH IS ADJACENT TO ACTIVE TRAFFIC LANES OR SHOULDERS, SHALL BE INSTALLED DURING THE ALLOWABLE LANE OR SHOULDER CLOSURE HOURS. LANE AND SHOULDER CLOSURES SHALL BE SET UP ACCORDING TO THE APPLICABLE HIGHWAY STANDARDS AND DISTRICT DETAILS.

MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES.

TEMPORARY PAVEMENT SHALL CONSIST OF BITUMINOUS OR PCC MATERIALS AS INDICATED IN THE SPECIAL PROVISIONS.

CONTRACTOR SHALL USE PAVEMENT MARKING TAPE, TYPE III, FOR ALL TEMPORARY LANE MARKINGS ON ALL PERMANENT PAVEMENT OR EXISTING PAVEMENT TO REMAIN, EXCEPT AS SHOWN ON THE MOT PLAN SHEETS. EPOXY, PAINT, OR PAVEMENT MARKING TAPE (TYPE 1 OR 2) SHALL BE USED ON SURFACES TO BE REMOVED OR OVERLAID.

THE EMERGENCY ACCESS TO INTERSTATE 80/94 WILL BE MAINTAINED AT ALL TIMES IN APPROXIMATELY THE CURRENT LOCATION. ACCESS GATES OR OTHER INGRESS CONTROL WILL ALSO BE MAINTAINED DURING CONSTRUCTION. THERE ARE TWO EXISTING EMERGENCY ACCESS GATES TO INTERSTATE 80/94 NEAR WENTWORTH AVENUE. ACCESS CAN BE MAINTAINED ON THE STABILIZED CONSTRUCTION ENTRANCE AS LONG AS THE WAY IS CLEAR. NO PARKING OR STAGING OF WORK WOULD BE ALLOWED AT THE ENTRANCE.

TCB SHALL BE ANCHORED TO THE PAVEMENT WHENEVER THE HAZARD/OPPOSING TRAFFIC IS WITHIN 1.1 METERS OF THE EDGE OF THE BARRIER.





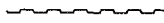




TEMPORARY SIGNING:

A. EXISTING TRAFFIC CONTROL SIGNS AND MESSAGES THAT ARE IN CONFLICT WITH THE PROPOSED MAINTENANCE OF TRAFFIC SHALL BE TEMPORARILY COVERED OR MODIFIED WITH TEMPORARY OVERLAYS AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER

B. ALL TEMPORARY SIGNS AS SHOWN ON THE MOT PLAN SHEETS AND HIGHWAY STANDARDS FOR THE TRAFFIC CONTROL, UNLESS NOTED AS "TEMPORARY INFORMATION SIGNING", SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)".

PAVEMENT MARKING REMOVAL:
THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 783 OF THE STANDARD SPECIFICATIONS EXCEPT THAT ARTICLE 783.02 (B) GRINDERS WILL NOT BE ALLOWED. ARTICLE 783.03 IS REVISED TO INCLUDE ITEM 783.02 (C) WATER JETTING (NOTE 1).

MOT LEGEND

-  TRAFFIC SIGN (AS NOTED)
-  DRUMS W/STEADY BURN LIGHTS
-  TYPE III BARRICADE WITH FLASHING LIGHT
-  TRAFFIC LANE
-  TEMPORARY SHEET PILES
-  TEMPORARY CONCRETE BARRIER
-  ARROW BOARD
-  TEMPORARY PAVEMENT (INTERSTATE)
-  WORK ZONE THIS CONTRACT

* TRAFFIC CONTROL ELEMENTS, MARKING, AND BARRIER FROM A PREVIOUS PHASE OF CONSTRUCTION TO BE MAINTAINED. COST INCLUDED IN TRAFFIC CONTROL AND PROTECTION, EXPRESSWAYS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41
**MAINTENANCE OF TRAFFIC
GENERAL NOTES AND LEGEND**

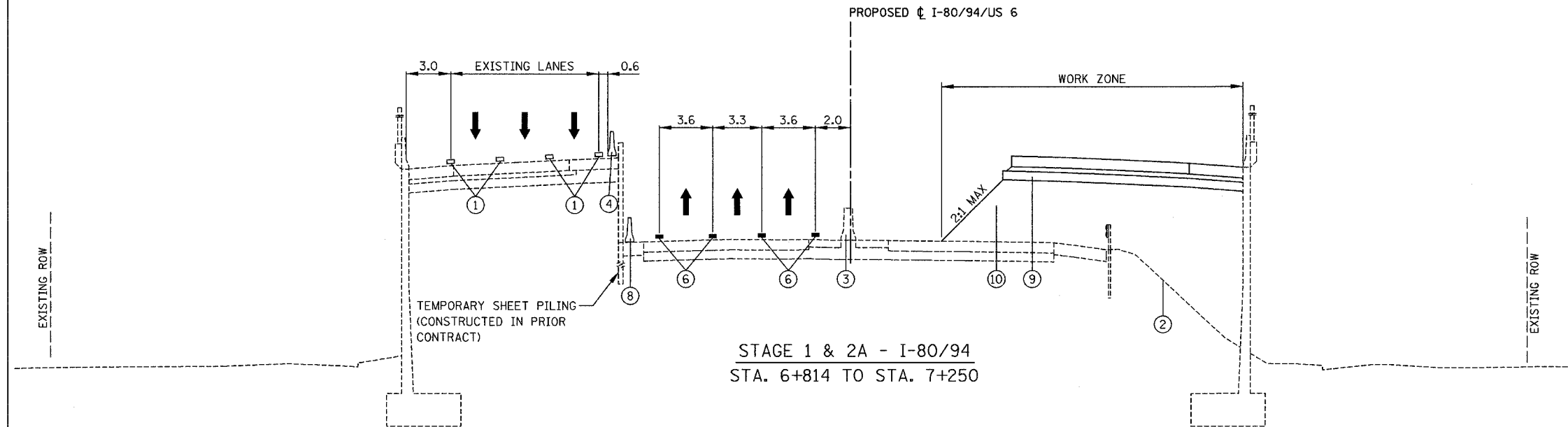
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DATE 07/05

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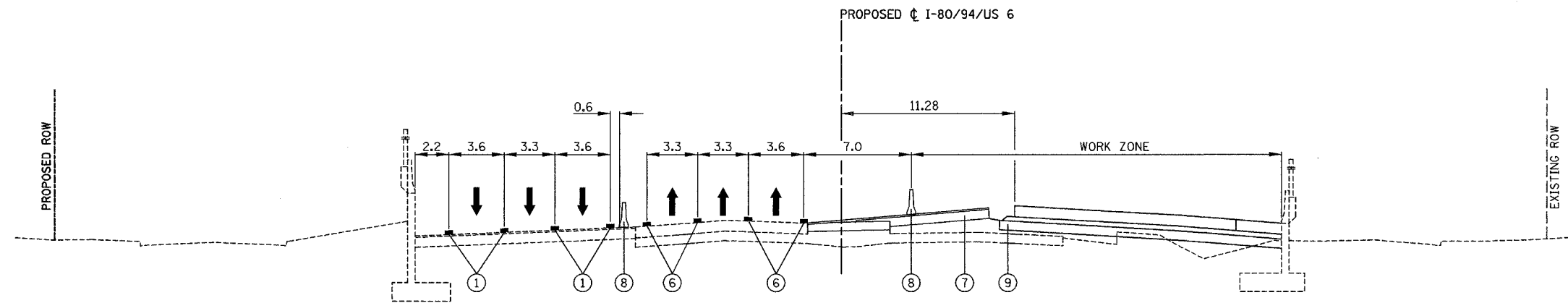
AMERICAN
CONSULTING ENGINEERS

ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	185
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



STAGE 1 & 2A - I-80/94
STA. 6+814 TO STA. 7+250



STAGE 1 - I-80/94
STA. 7+250 TO STA. 7+600

LEGEND

- ① EXISTING PAVEMENT MARKING
- ② EXISTING GROUND LINE
- ③ EXISTING CONCRETE BARRIER
- ④ EXISTING TEMPORARY CONCRETE BARRIER
- ⑤ DRUM OR TYPE II BARRICADES WITH STEADY BURN LIGHTS
- ⑥ TEMPORARY PAVEMENT MARKINGS (SEE PLANS FOR DETAILS AND PAY ITEM)
- ⑦ TEMPORARY PAVEMENT
- ⑧ TEMPORARY CONCRETE BARRIER (SEE PLANS FOR PAY ITEM)
- ⑨ PROPOSED SUBGRADE
- ⑩ PROPOSED EMBANKMENT
- ⑪ VERTICAL PANELS
- ↑ TRAFFIC FLOW ARROW

VAR. - INDICATES THAT THIS DIMENSION VARIES IN THE VICINITY OF THE INDICATED TYPICAL SECTION

NOTE: STATION LIMITS SHOWN AS APPROXIMATE INFORMATION ONLY.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41
MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS
I-80 /94 /US-6

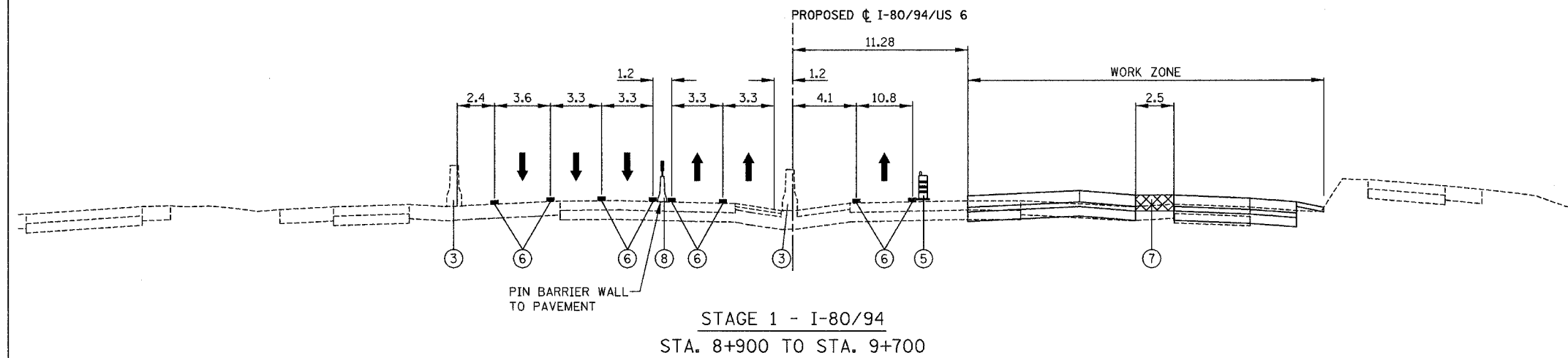
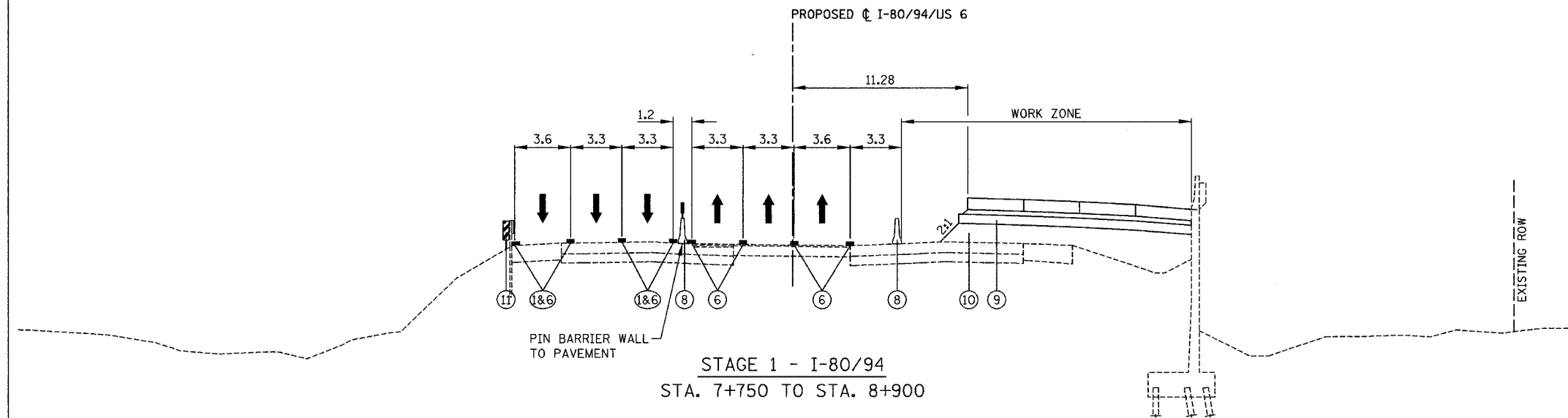
SCALE NTS
DATE 07/05

DRAWN BY ACE/CAD
CHECKED BY TAE

AMERICAN
CONSULTING ENGINEERS

ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	186
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62114		INDOT DES. NO. 0100987		



LEGEND

- ① EXISTING PAVEMENT MARKING
- ② EXISTING GROUND LINE
- ③ EXISTING CONCRETE BARRIER
- ④ EXISTING TEMPORARY CONCRETE BARRIER
- ⑤ DRUM OR TYPE II BARRICADES WITH STEADY BURN LIGHTS
- ⑥ TEMPORARY PAVEMENT MARKINGS (SEE PLANS FOR DETAILS AND PAY ITEM)
- ⑦ TEMPORARY PAVEMENT
- ⑧ TEMPORARY CONCRETE BARRIER (SEE PLANS FOR PAY ITEM)
- ⑨ PROPOSED SUBGRADE
- ⑩ PROPOSED EMBANKMENT
- ⑪ VERTICAL PANELS
- ↑ TRAFFIC FLOW ARROW

VAR. - INDICATES THAT THIS DIMENSION VARIES IN THE VICINITY OF THE INDICATED TYPICAL SECTION

NOTE: STATION LIMITS SHOWN AS APPROXIMATE INFORMATION ONLY.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41
MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS
 I-80 /94 /US-6

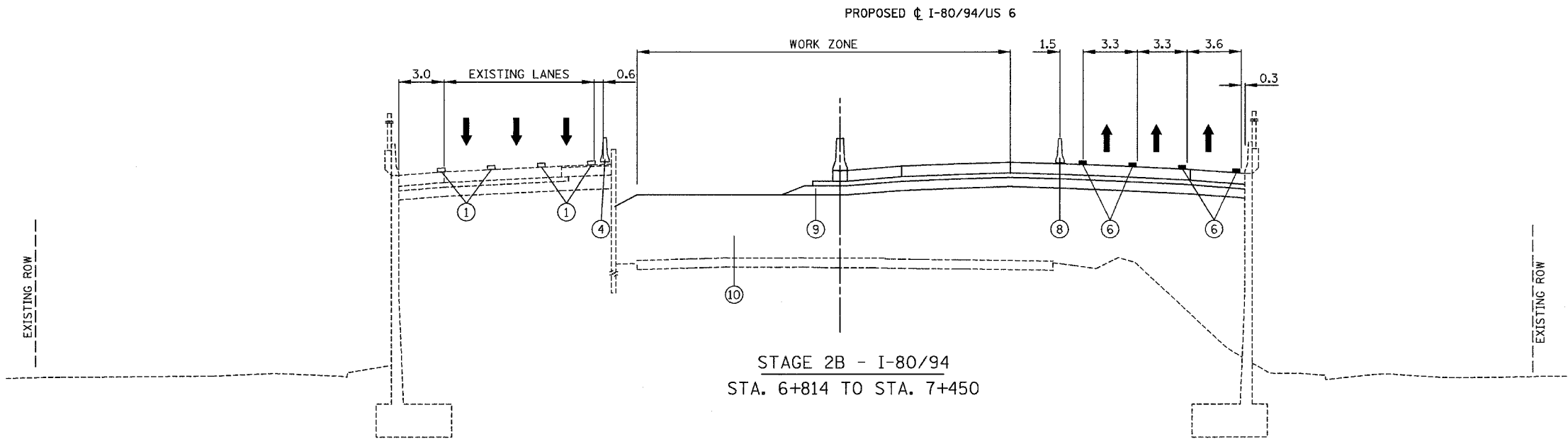
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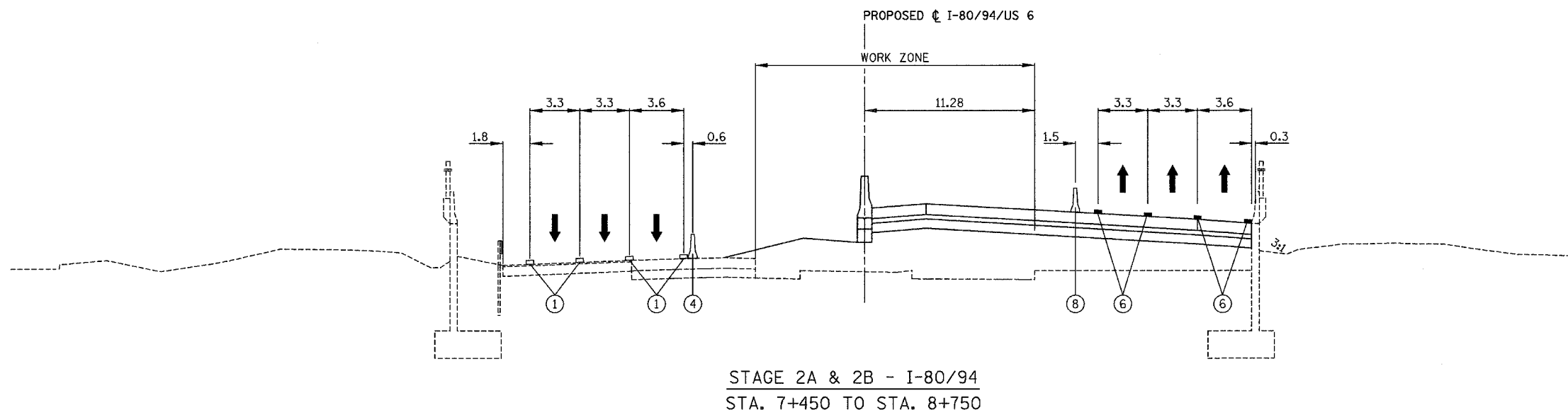
AMERICAN
 CONSULTING ENGINEERS

ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	187
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



STAGE 2B - I-80/94
STA. 6+814 TO STA. 7+450



STAGE 2A & 2B - I-80/94
STA. 7+450 TO STA. 8+750

LEGEND

- ① EXISTING PAVEMENT MARKING
- ② EXISTING GROUND LINE
- ③ EXISTING CONCRETE BARRIER
- ④ EXISTING TEMPORARY CONCRETE BARRIER
- ⑤ DRUM OR TYPE II BARRICADES WITH STEADY BURN LIGHTS
- ⑥ TEMPORARY PAVEMENT MARKINGS (SEE PLANS FOR DETAILS AND PAY ITEM)
- ⑦ TEMPORARY PAVEMENT
- ⑧ TEMPORARY CONCRETE BARRIER (SEE PLANS FOR PAY ITEM)
- ⑨ PROPOSED SUBGRADE
- ⑩ PROPOSED EMBANKMENT
- ⑪ VERTICAL PANELS
- ↑ TRAFFIC FLOW ARROW

VAR. - INDICATES THAT THIS DIMENSION VARIES IN THE VICINITY OF THE INDICATED TYPICAL SECTION

NOTE: STATION LIMITS SHOWN AS APPROXIMATE INFORMATION ONLY.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41
MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS
I-80/94/US-6

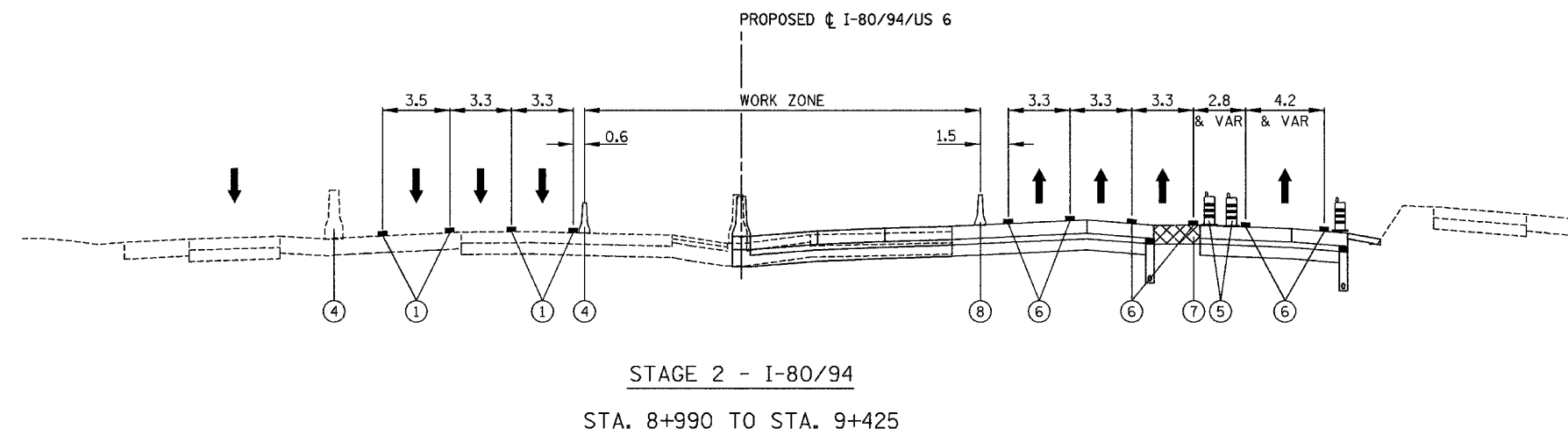
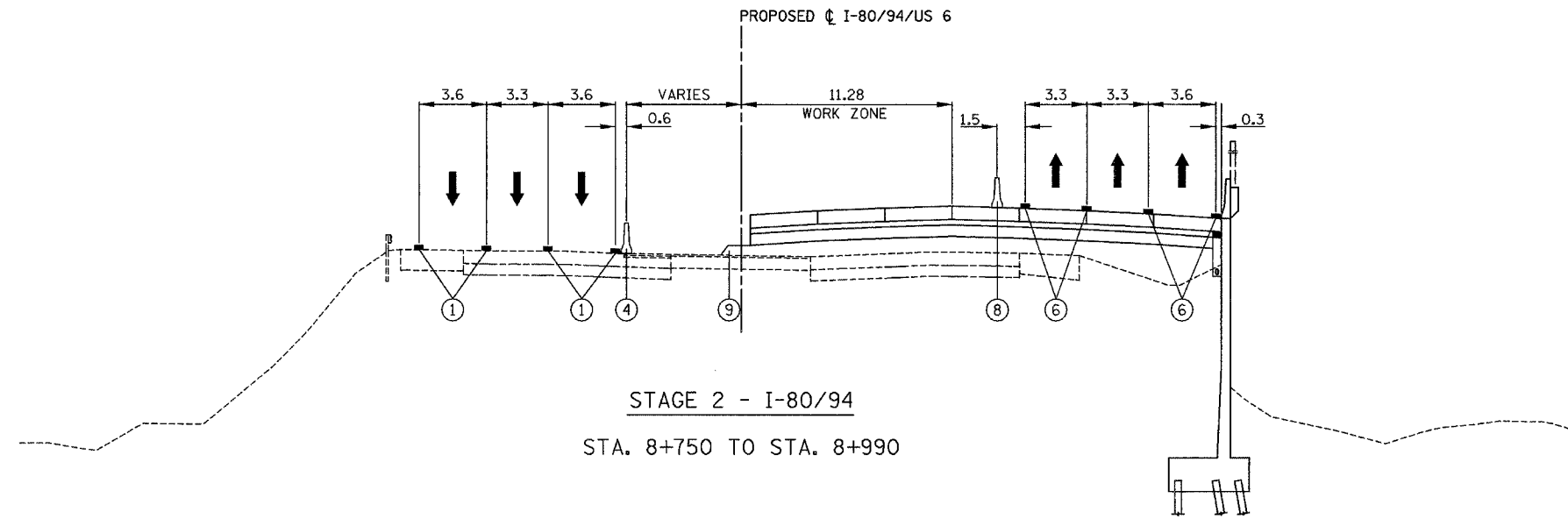
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DATE 07/05

DRAWN BY ACE/CAD
CHECKED BY TAE

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CONSULTING ENGINEERS

ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	188
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



- LEGEND**
- ① EXISTING PAVEMENT MARKING
 - ② EXISTING GROUND LINE
 - ③ EXISTING CONCRETE BARRIER
 - ④ EXISTING TEMPORARY CONCRETE BARRIER
 - ⑤ DRUM OR TYPE II BARRICADES WITH STEADY BURN LIGHTS
 - ⑥ TEMPORARY PAVEMENT MARKINGS (SEE PLANS FOR DETAILS AND PAY ITEM)
 - ⑦ TEMPORARY PAVEMENT
 - ⑧ TEMPORARY CONCRETE BARRIER (SEE PLANS FOR PAY ITEM)
 - ⑨ PROPOSED SUBGRADE
 - ⑩ PROPOSED EMBANKMENT
 - ⑪ VERTICAL PANELS
- ↑ TRAFFIC FLOW ARROW
- VAR. - INDICATES THAT THIS DIMENSION VARIES IN THE VICINITY OF THE INDICATED TYPICAL SECTION

NOTE: STATION LIMITS SHOWN AS APPROXIMATE INFORMATION ONLY.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41
**MAINTENANCE OF TRAFFIC
 TYPICAL SECTIONS**
 I-80 /94 /US-6

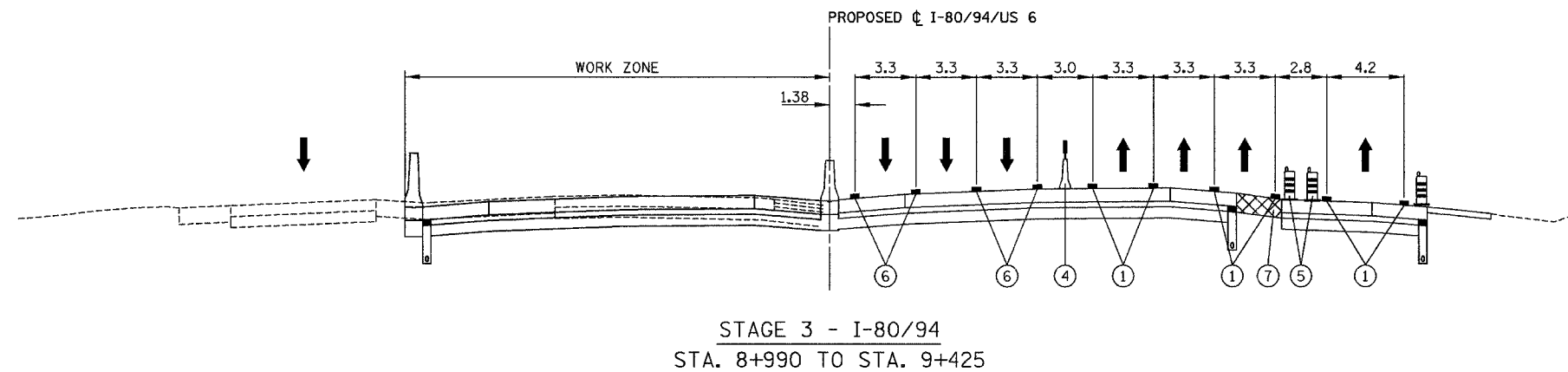
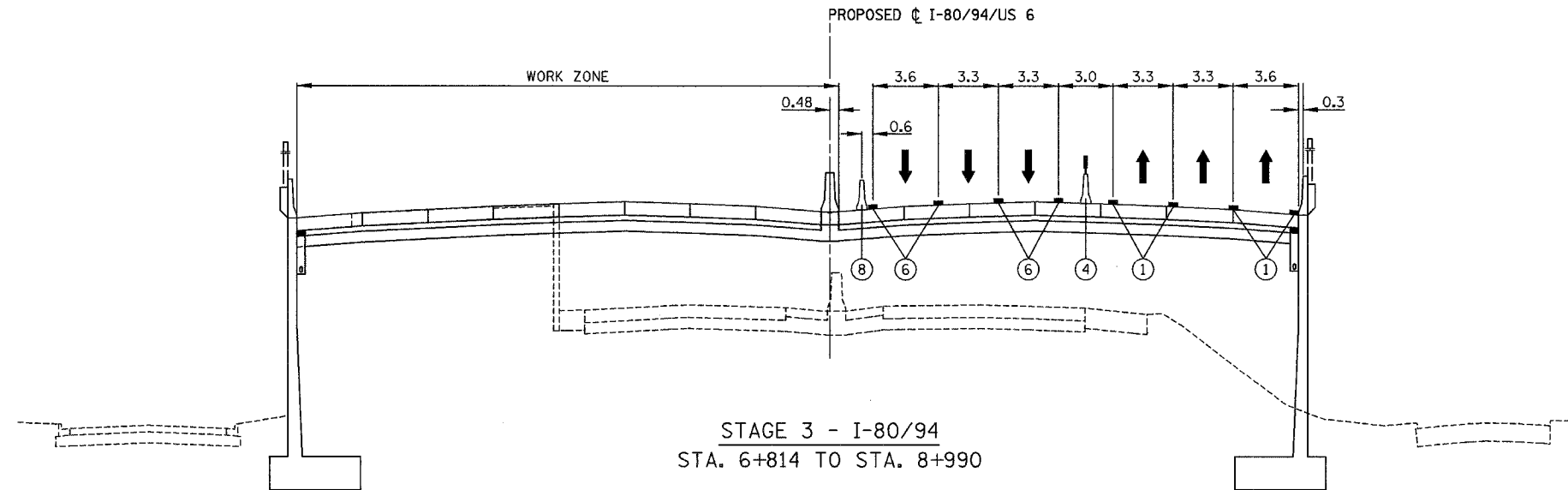
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 DATE 07/05

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AMERICAN
 CONSULTING ENGINEERS

ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	189
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62114		INDOT DES. NO. 0100987		



- LEGEND**
- ① EXISTING PAVEMENT MARKING
 - ② EXISTING GROUND LINE
 - ③ EXISTING CONCRETE BARRIER
 - ④ EXISTING TEMPORARY CONCRETE BARRIER
 - ⑤ DRUM OR TYPE II BARRICADES WITH STEADY BURN LIGHTS
 - ⑥ TEMPORARY PAVEMENT MARKINGS (SEE PLANS FOR DETAILS AND PAY ITEM)
 - ⑦ TEMPORARY PAVEMENT
 - ⑧ TEMPORARY CONCRETE BARRIER (SEE PLANS FOR PAY ITEM)
 - ⑨ PROPOSED SUBGRADE
 - ⑩ PROPOSED EMBANKMENT
 - ⑪ VERTICAL PANELS
- ↑ TRAFFIC FLOW ARROW
- VAR. - INDICATES THAT THIS DIMENSION VARIES IN THE VICINITY OF THE INDICATED TYPICAL SECTION

NOTE: STATION LIMITS SHOWN AS APPROXIMATE INFORMATION ONLY.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 1-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41
MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS
 I-80 /94 /US-6

SCALE NTS
 DATE 07/05

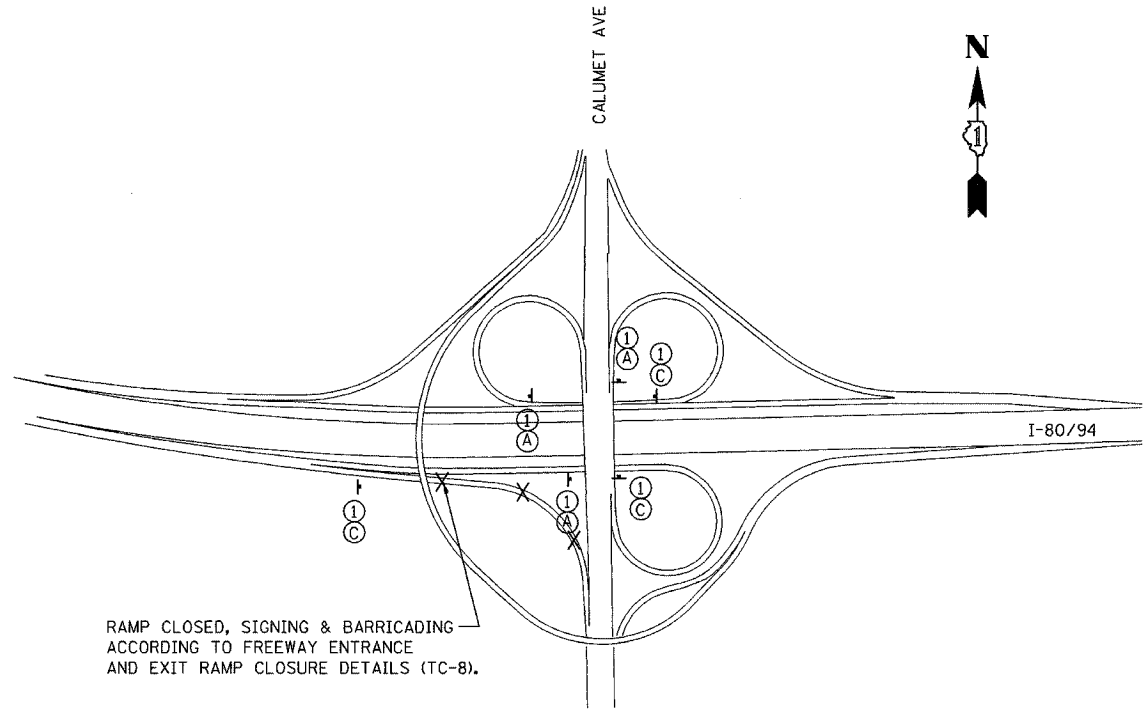
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ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	190
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



600 mm X 300 mm
BLACK ON ORANGE (TYP)

TO

600 mm X 300 mm
BLACK ON ORANGE (TYP)

SOUTH

900 mm X 600 mm
BLACK ON ORANGE

①

TO

NORTH

600 mm X 600 mm
STD SHIELD

②

750 mm X 375 mm
BLACK ON ORANGE

TO

750 mm X 375 mm
BLACK ON ORANGE

WEST

900 mm X 900 mm
STD SHIELDS

③

525 mm X 325 mm (TYP)
(USE 750 mm X 450 mm
WITH ALL SIGN ③)

BLACK ON ORANGE

↗

Ⓐ

↑

Ⓑ

↖

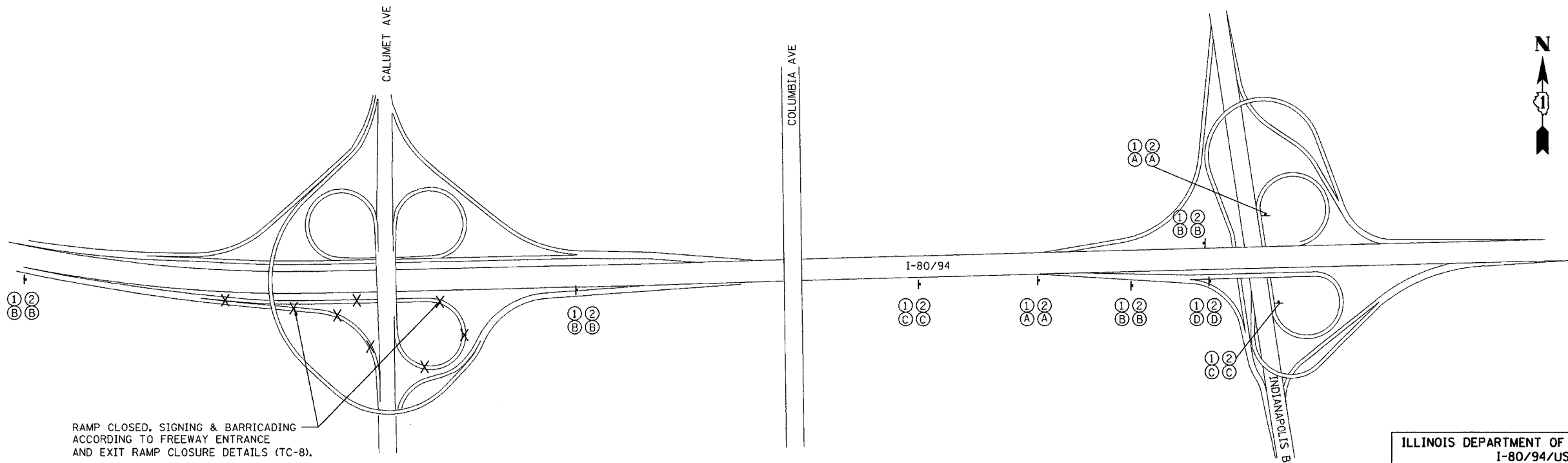
Ⓒ

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Ⓓ

STAGE 1
I-80/94 EB TO CALUMET AVE SB
RAMP CLOSURE SIGNING

NOTE: SIGNS PAID FOR AS "TEMPORARY INFORMATION SIGNING"



STAGE 1
I-80/94 EB TO CALUMET AVE (US 41) NB & SB
RAMP CLOSURE SIGNING

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41
**MAINTENANCE OF TRAFFIC
DETOUR SIGNING**

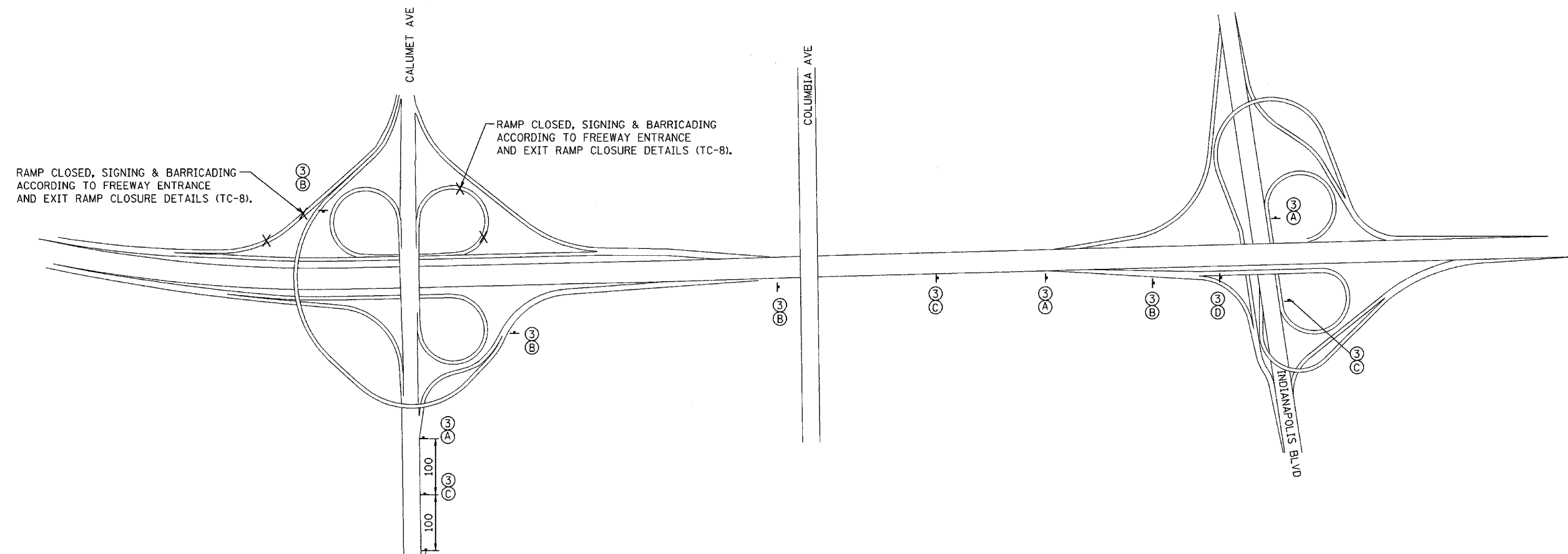
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DATE 07/05

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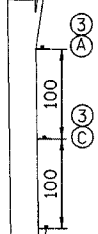
ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	191
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114		INDOT DES. NO. 0100987		



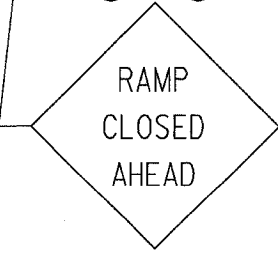
RAMP CLOSED, SIGNING & BARRICADING ACCORDING TO FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-8).

RAMP CLOSED, SIGNING & BARRICADING ACCORDING TO FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-8).



600 mm X 300 mm
BLACK ON ORANGE

600 mm X 600 mm
STD SHIELD



1.2 m X 1.2 m

STAGE 3
CALUMET AVE (US 41) NB & SB TO I-80/94 WB
RAMP CLOSURE SIGNING

REVISIONS	
NAME	DATE

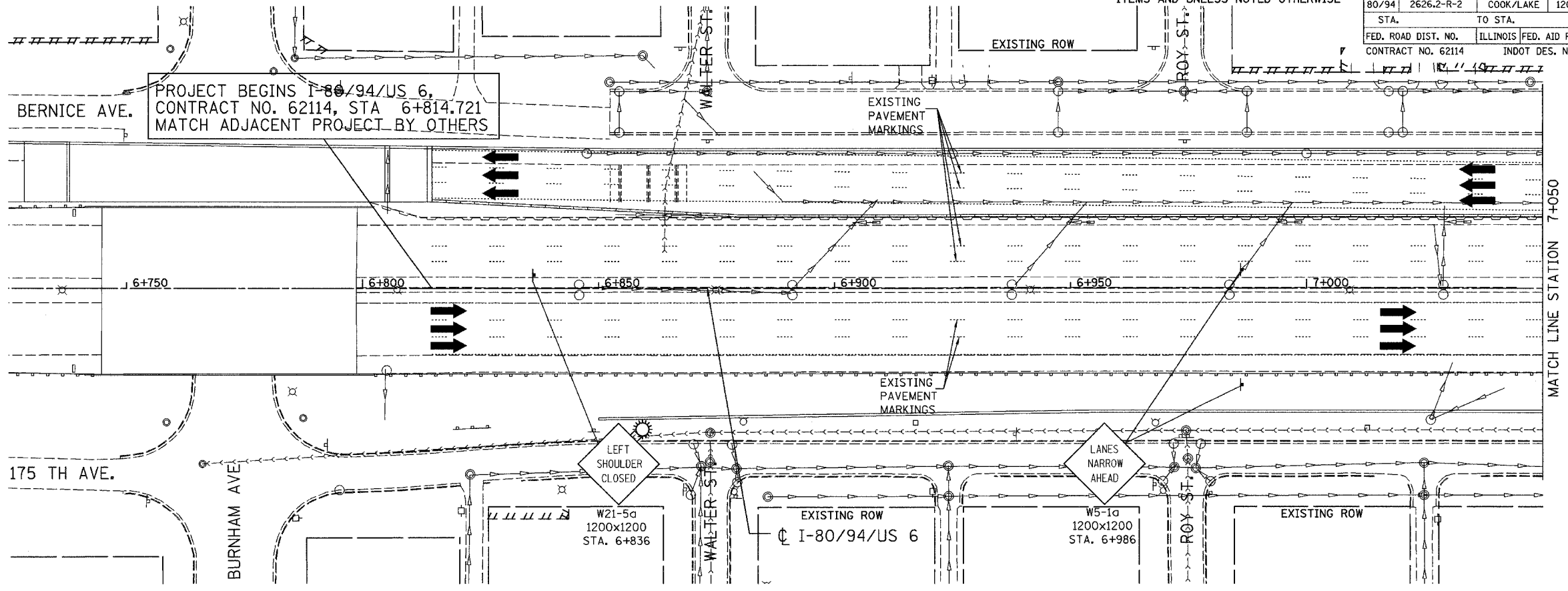
ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41
**MAINTENANCE OF TRAFFIC
DETOUR SIGNING**

SCALE NTS
DATE 07/05
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	192
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62114	INDOT DES. NO. 0100987			

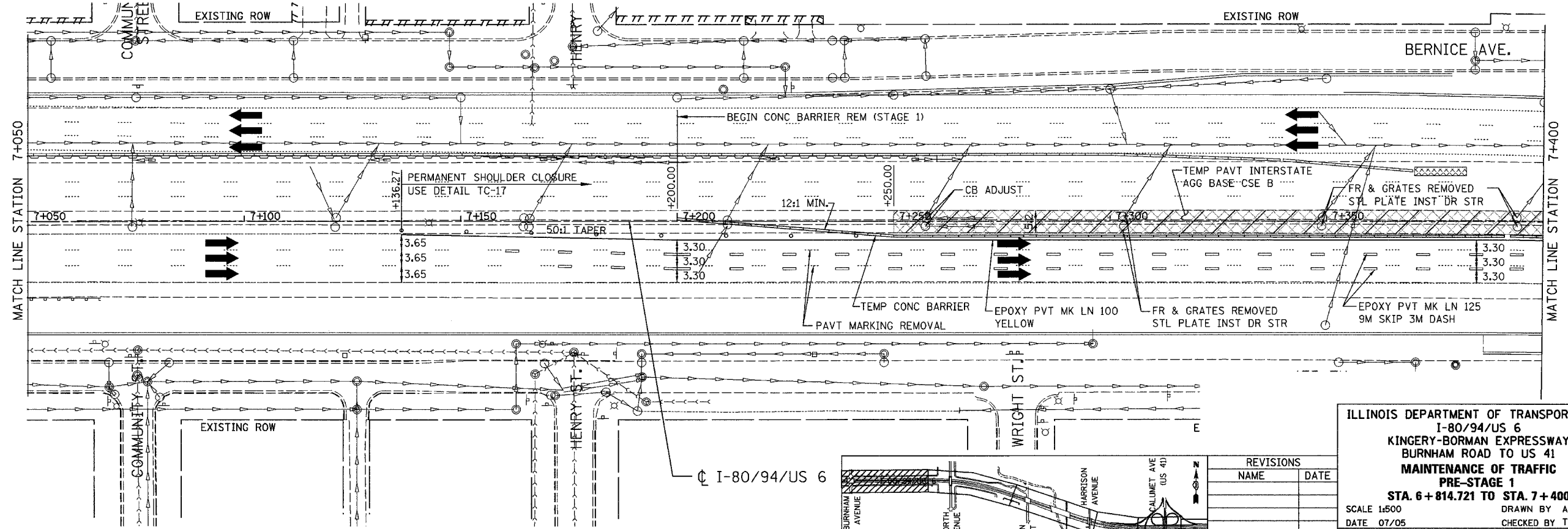
ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE



ROAD CONSTRUCTION AHEAD
W20-10
1200x1200
STA. 6+356

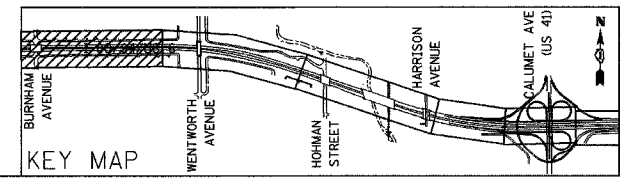
LEFT SHOULDER CLOSED
W21-5a
1200x1200
STA. 6+836

LANES NARROW AHEAD
W5-1a
1200x1200
STA. 6+986



MATCH LINE STATION 7+050

MATCH LINE STATION 7+400



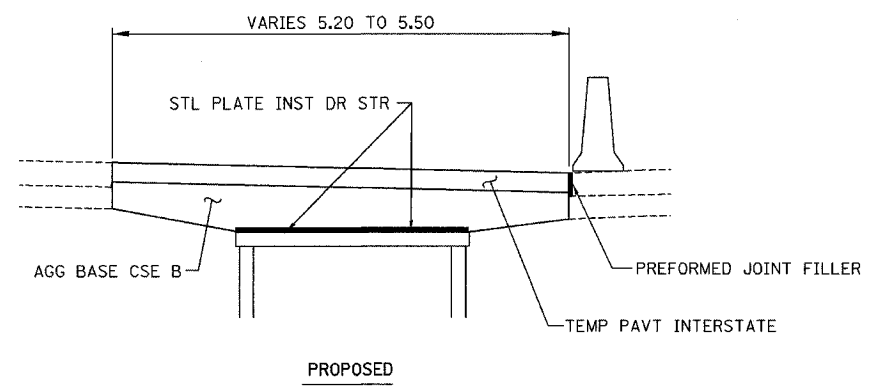
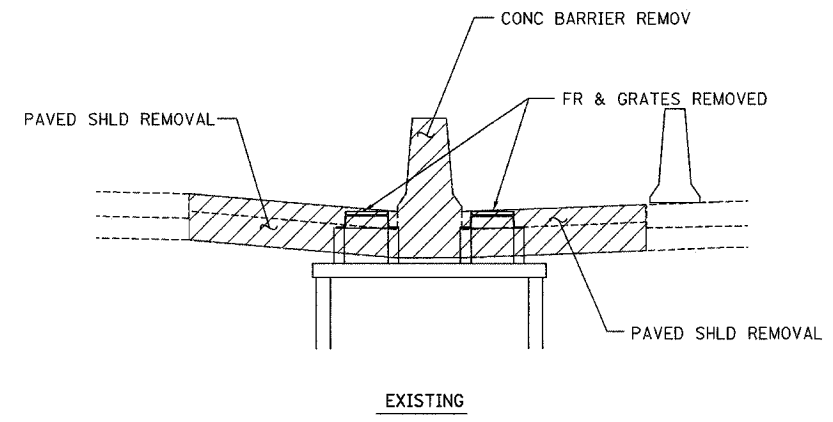
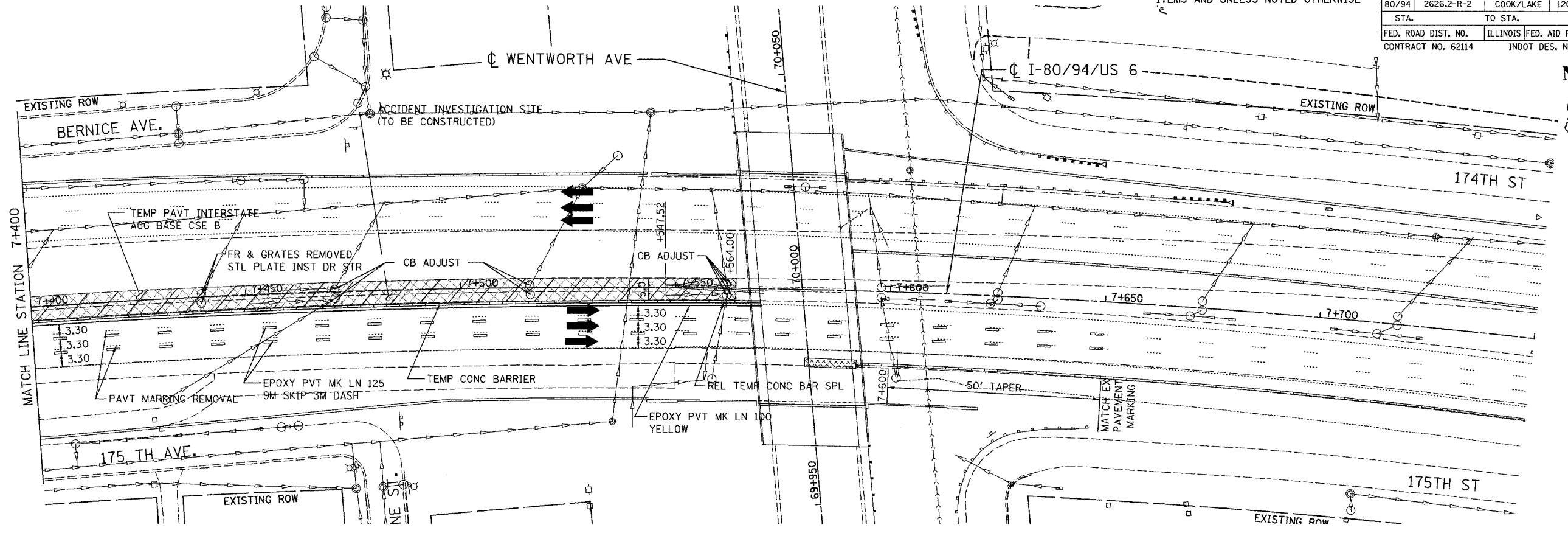
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41
MAINTENANCE OF TRAFFIC
PRE-STAGE 1
STA. 6+814.721 TO STA. 7+400
SCALE 1:500
DATE 07/05
DRAWN BY ACE/CAD
CHECKED BY TAE

AMERICAN
CONSULTING ENGINEERS

ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	193
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62114	INDOT DES. NO. 0100987			

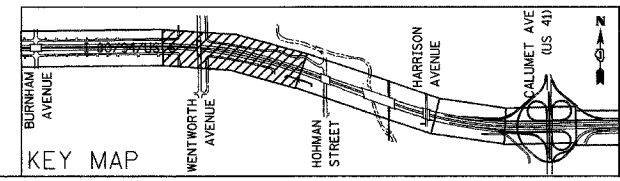


MEDIAN PAVING DETAIL

NOTES:

ANY EXCAVATION BELOW THE EXISTING ROADWAY WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF PAVED SHOULDER REMOVAL.

PREFORMED JOINT FILLER WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF TEMPORARY PAVEMENT (INTERSTATE).

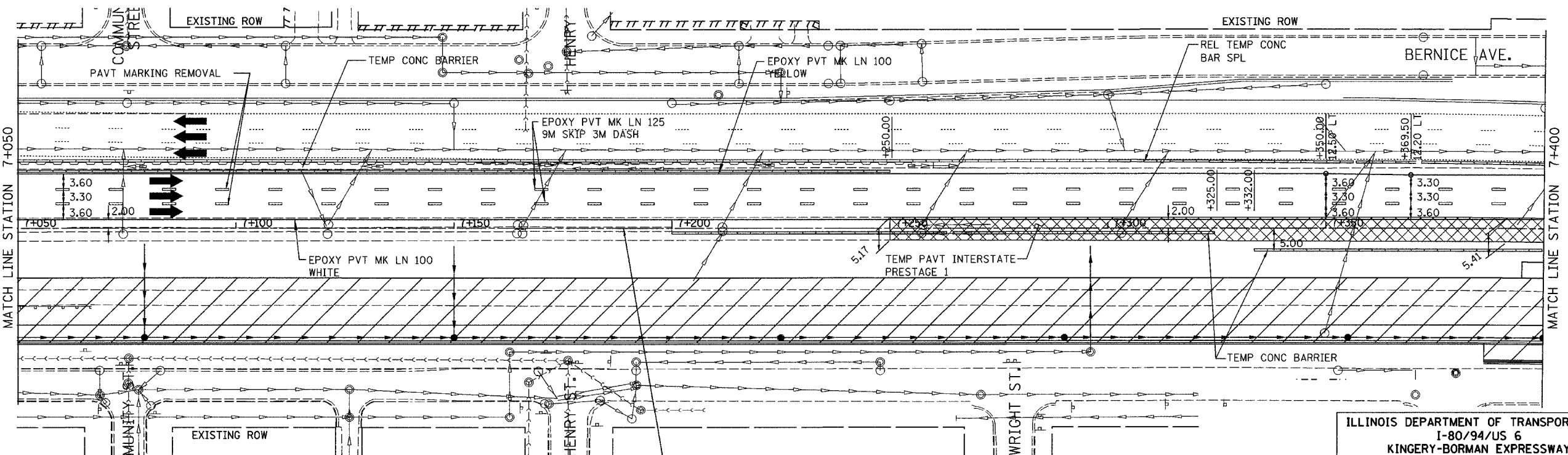
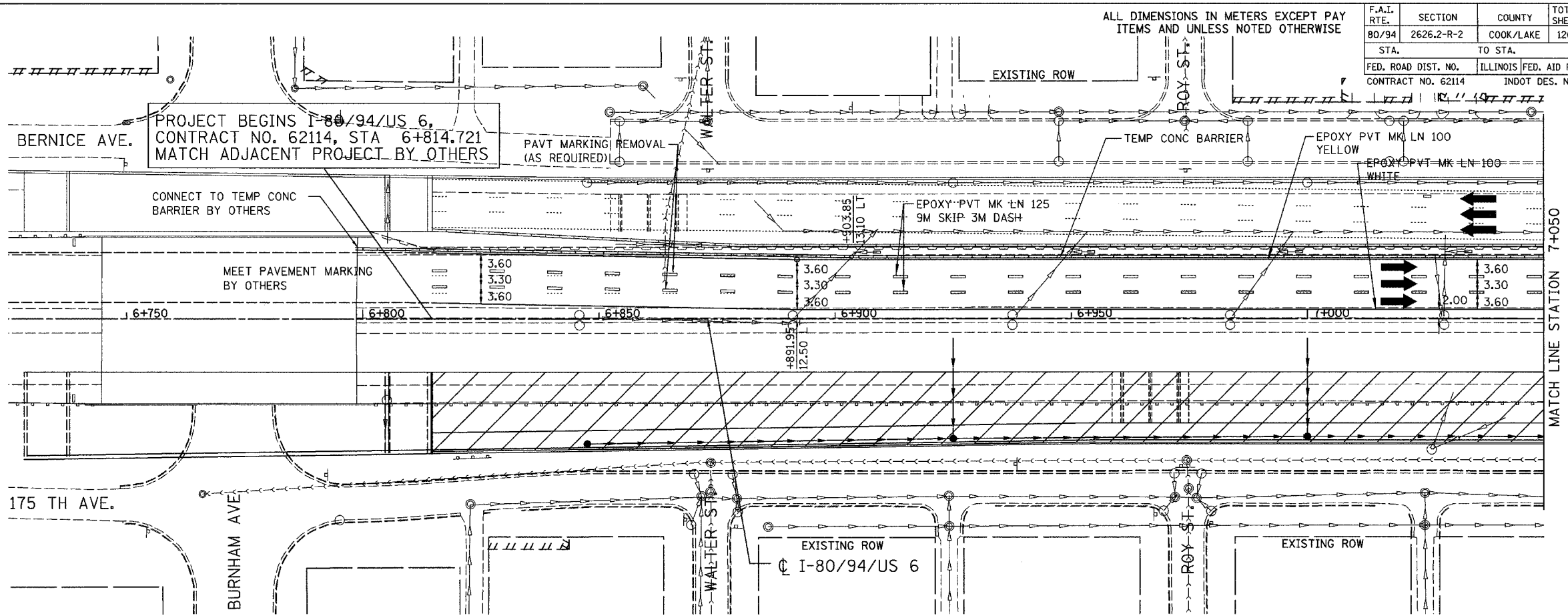


REVISIONS	
NAME	DATE

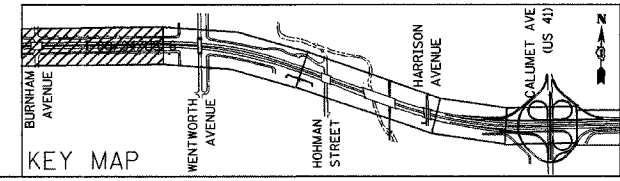
ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41
**MAINTENANCE OF TRAFFIC
 PRE-STAGE 1**
STA. 7+400 TO STA. 8+100
 SCALE 1:500 DRAWN BY ACE/CAD
 DATE 07/05 CHECKED BY TAE

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 CONSULTING ENGINEERS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	194
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



- NOTES:
- SEE MOT TYPICAL SECTIONS FOR LOCATION AND LIMITS OF APPLICATION.
 - EXTEND PROPOSED S.S. LATERALS AS FAR AS POSSIBLE TO CONNECT IN SUCCEEDING STAGES.
 - SEE LAYOUT TABLES FOR OFFSETS TO MOT LANE ASSIGNMENTS.

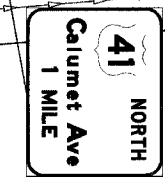
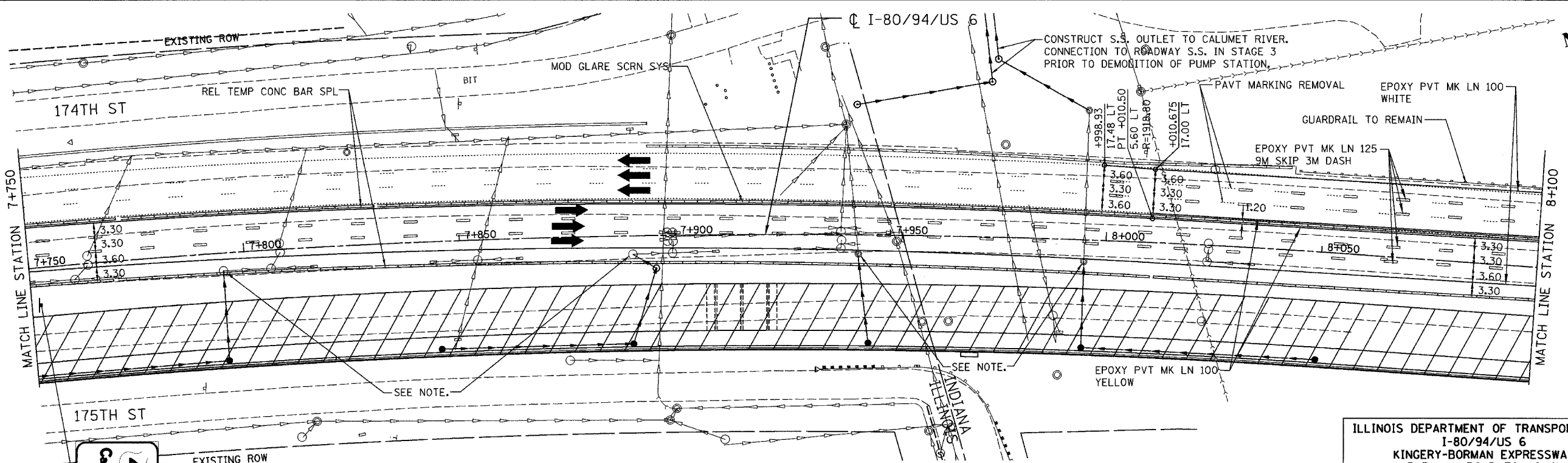
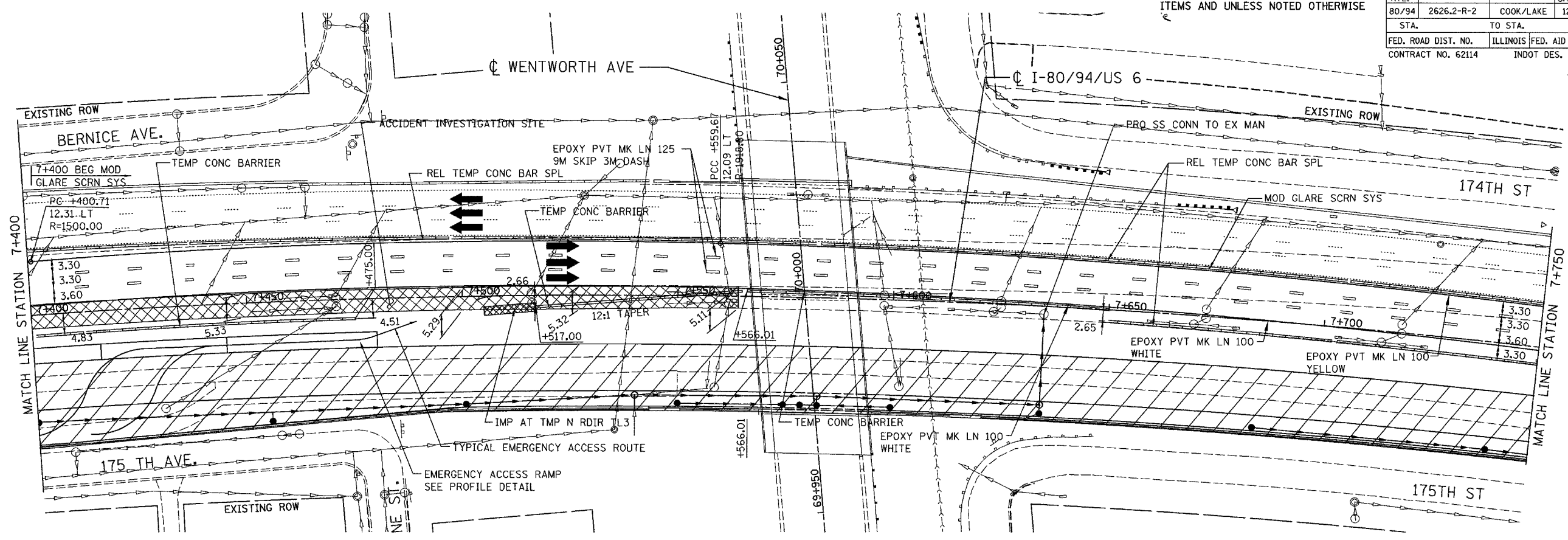


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41
MAINTENANCE OF TRAFFIC
STAGE 1
 STA. 6 + 814.721 TO STA. 7 + 400
 SCALE 1:500 DRAWN BY ACE/CAD
 DATE 07/05 CHECKED BY TAE

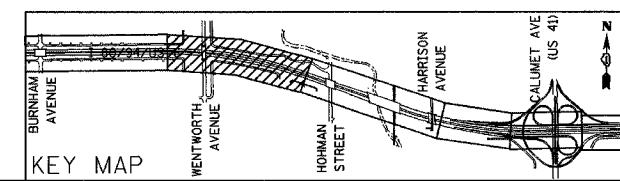
ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE. 80/94	SECTION 2626.2-R-2	COUNTY COOK/LAKE	TOTAL SHEETS 1207	SHEET NO. 195
STA. 7+400		TO STA. 8+100		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114		INDOT DES. NO. 0100987		



EXISTING ROW
TEMP INFO SIGNING
2.4 X 1.65
MOUNT ON SKID FRAME
(RELOCATE IN STAGE 2)

NOTE:
TEMPORARY STORM SEWER CONNECTION TO EXISTING STRUCTURES PERFORM IN PRE-STAGE 2.

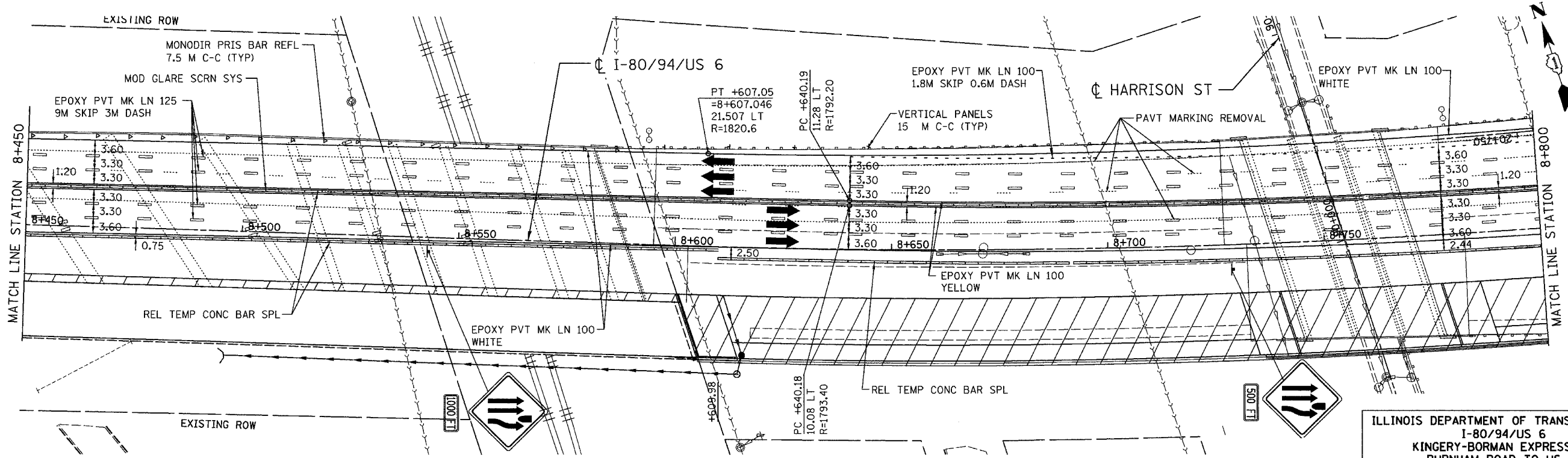
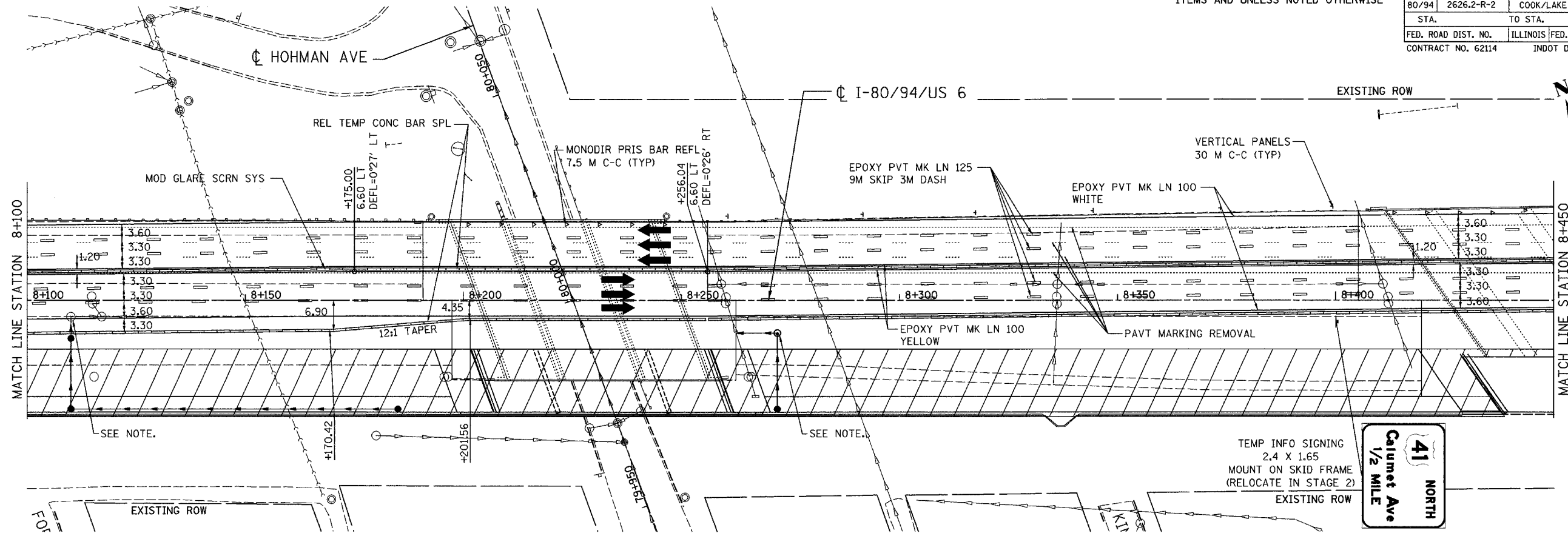


REVISIONS	
NAME	DATE

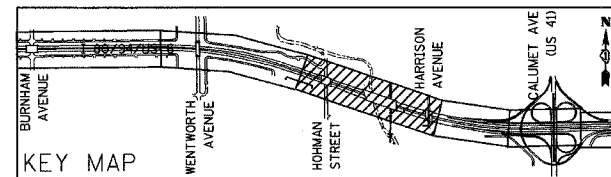
ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41
**MAINTENANCE OF TRAFFIC
STAGE 1**
STA. 7+400 TO STA. 8+100
SCALE 1:500 DRAWN BY ACE/CAD
DATE 07/05 CHECKED BY TAE

ALL DIMENSIONS IN METERS EXCEPT PAVT ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	196
STA. TO STA.		FED. ROAD DIST. NO.		
CONTRACT NO. 62114		ILLINOIS FED. AID PROJECT		
		INDOT DES. NO. 0100987		



NOTE:
TEMPORARY STORM SEWER CONNECTION TO EXISTING STRUCTURES PERFORM IN PRE-STAGE 2.



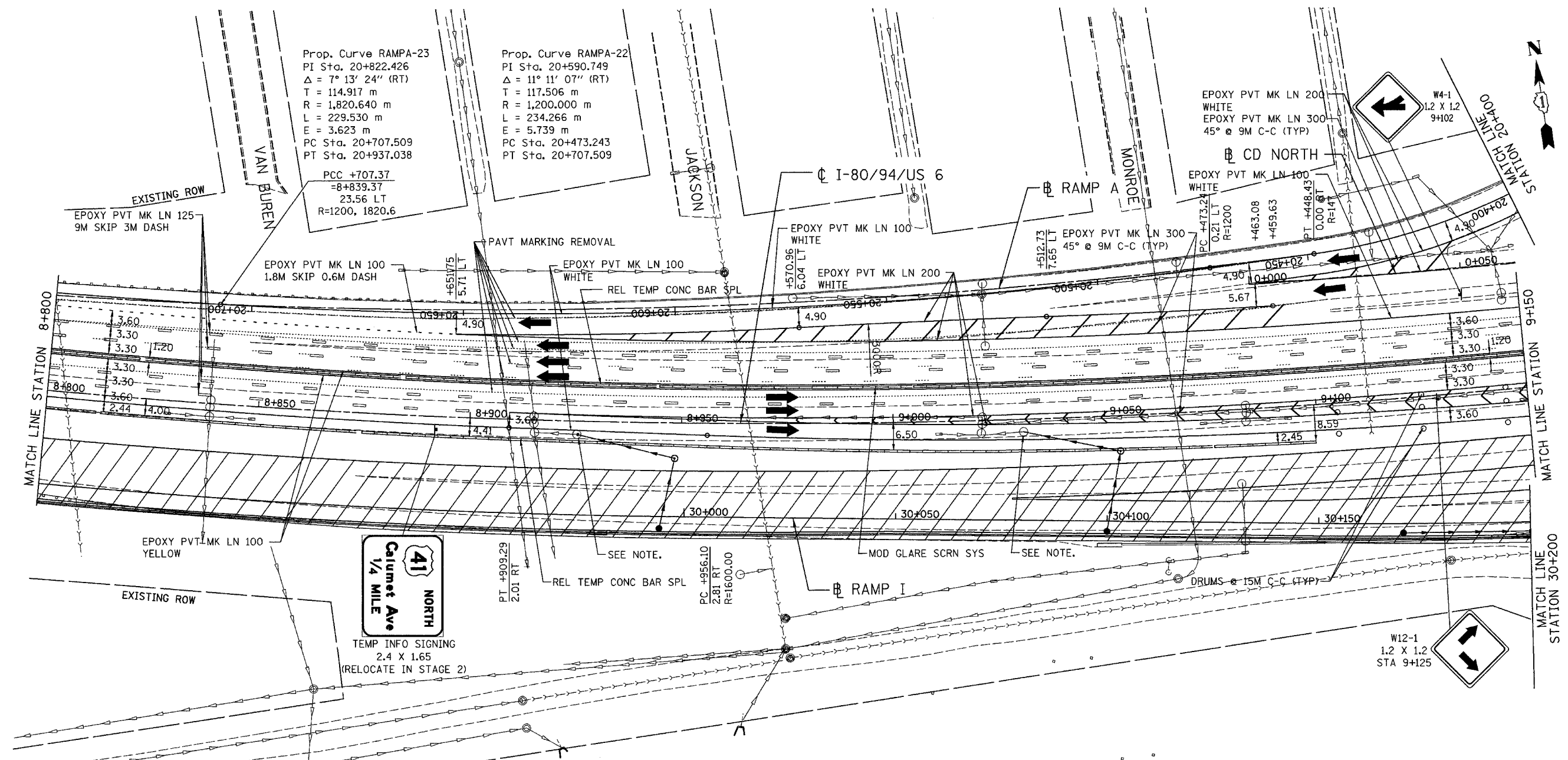
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41
MAINTENANCE OF TRAFFIC
STAGE 1
STA. 8+100 TO STA. 8+800
SCALE 1:500 DRAWN BY ACE/CAD
DATE 07/05 CHECKED BY TAE



ALL DIMENSIONS IN METERS EXCEPT PAVT ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	197
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62114		INDOT DES. NO. 0100987		



Prop. Curve RAMP A-23
 PI Sta. 20+822.426
 $\Delta = 7^\circ 13' 24''$ (RT)
 T = 114.917 m
 R = 1,820.640 m
 L = 229.530 m
 E = 3.623 m
 PC Sta. 20+707.509
 PT Sta. 20+937.038

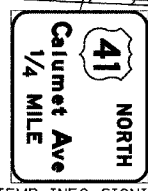
Prop. Curve RAMP A-22
 PI Sta. 20+590.749
 $\Delta = 11^\circ 11' 07''$ (RT)
 T = 117.506 m
 R = 1,200.000 m
 L = 234.266 m
 E = 5.739 m
 PC Sta. 20+473.243
 PT Sta. 20+707.509

EPOXY PVT MK LN 200
 WHITE
 EPOXY PVT MK LN 300
 45° @ 9M C-C (TYP)

CD NORTH

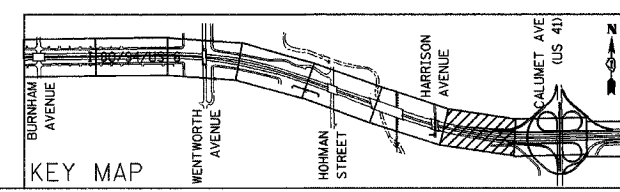
EPOXY PVT MK LN 100
 WHITE

PT +448.43
 R=147



TEMP INFO SIGNING
 2.4 X 1.65
 (RELOCATE IN STAGE 2)

NOTE:
 TEMPORARY STORM SEWER CONNECTION TO EXISTING STRUCTURES PERFORM IN PRE-STAGE 2.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41
MAINTENANCE OF TRAFFIC
STAGE 1
STA. 8 + 800 TO STA. 9 + 150

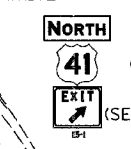
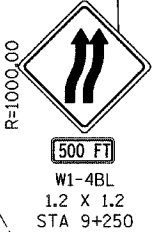
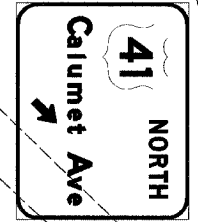
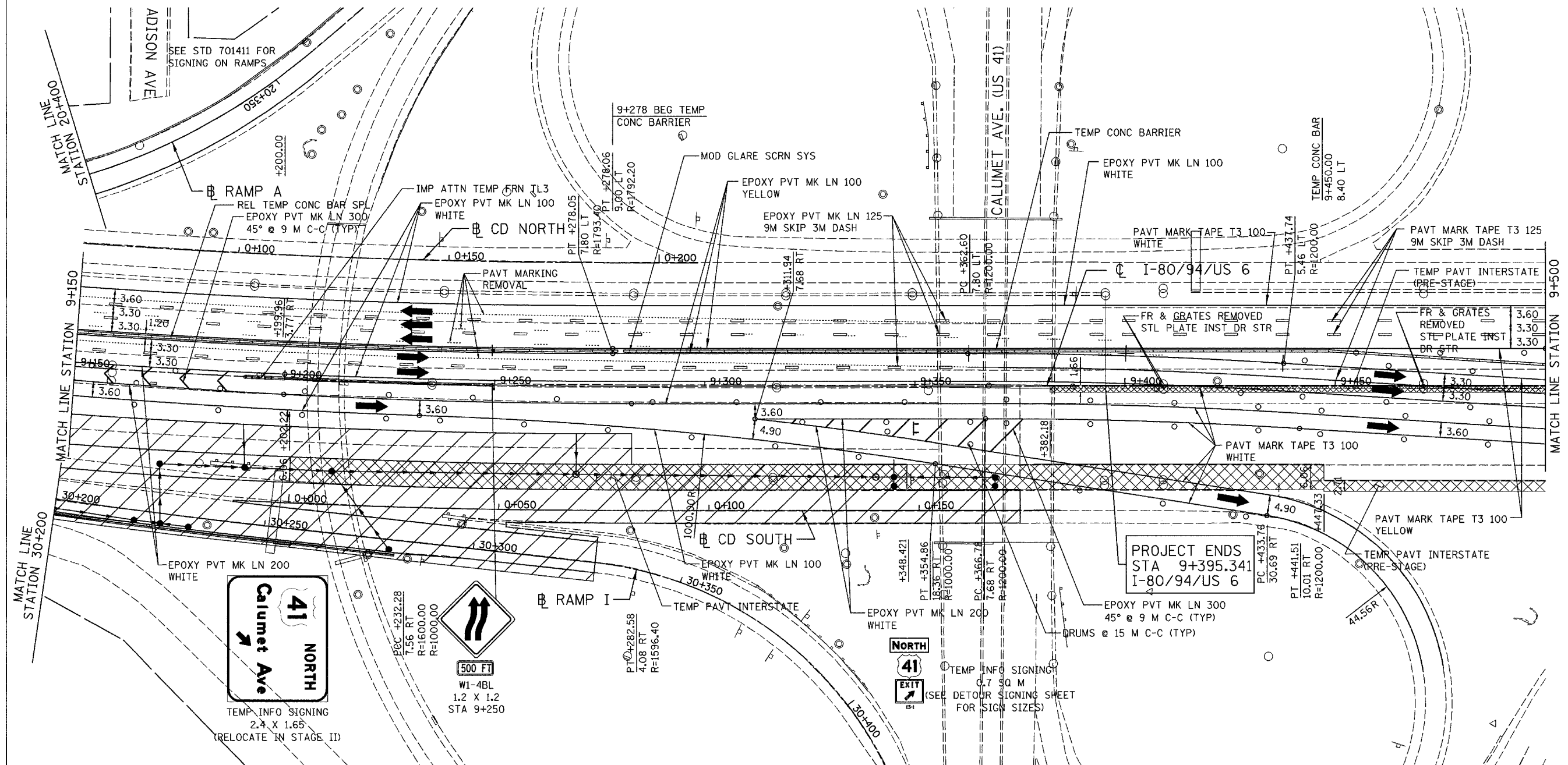
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 DATE 07/05

DRAWN BY ACE/CAD
 CHECKED BY TAE

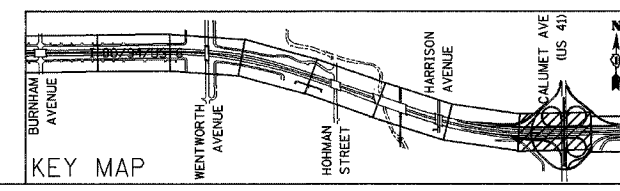
AMERICAN
 CONSULTING ENGINEERS

ALL DIMENSIONS IN METERS EXCEPT PAVT ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	198
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



PROJECT ENDS
STA 9+395.341
I-80/94/US 6



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41
**MAINTENANCE OF TRAFFIC
STAGE 1**
STA. 9+150 TO STA. 9+500

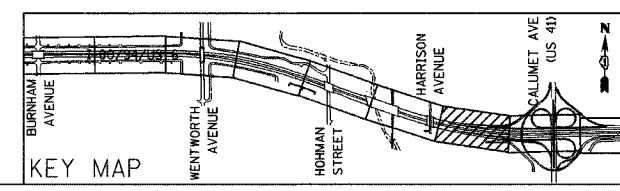
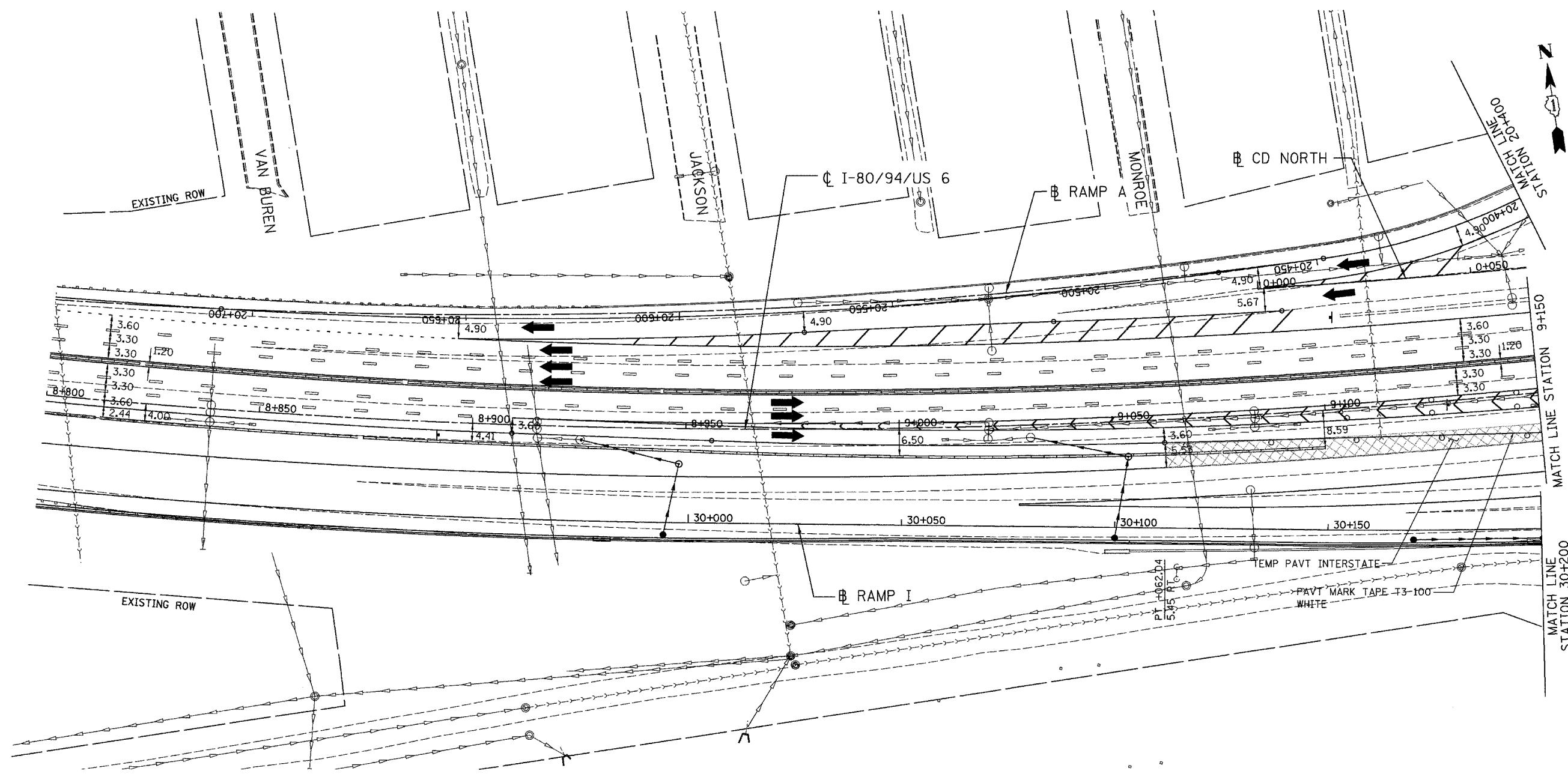
SCALE 1:500
DATE 07/05

DRAWN BY ACE/CAD
CHECKED BY TAE



ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK/LAKE	1207	200
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62114	INDOT DES. NO. 0100987			



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORMAN EXPRESSWAY
 BURNHAM ROAD TO US 41
MAINTENANCE OF TRAFFIC
STAGE 1A
STA. 8+800 TO STA. 9+150
 SCALE 1:500 DRAWN BY ACE/CAD
 DATE 07/05 CHECKED BY TAE

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