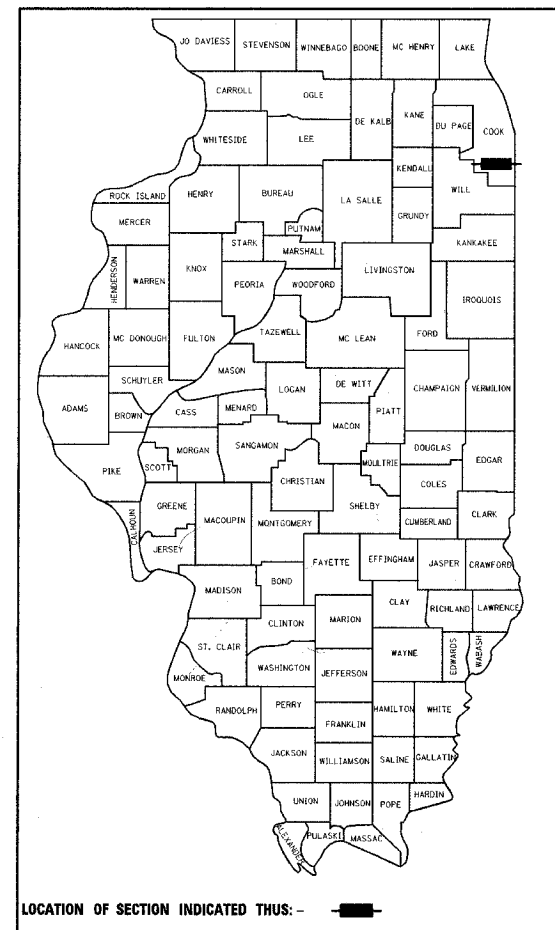


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	0203.1B	COOK	200	1

CONTRACT NO. 62854

D-91-009-01 D-91-012-01



THIS PROJECT IS LOCATED IN THE VILLAGE OF LANSING IN COOK COUNTY.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED March 16, 20 05  
*Dina O'Keefe*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 13, 20 05  
*Mike Hine*  
ENGINEER OF DESIGN AND ENVIRONMENT

May 13, 20 05  
*Victor Maderna*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

PROPOSED  
HIGHWAY PLANS

F.A.I. ROUTE 80 (I-80) & F.A.P. ROUTE 332 (IL 394-SB)  
SECTION 0203.1B

I-80/94 WB FLYOVER RAMP TO SB IL 394  
(SOUTH OF 170TH STREET TO NORTH OF THORNTON-LANSING ROAD)  
PROJECT: NHI-NHF-000S(466)  
COOK COUNTY  
C-91-027-05

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

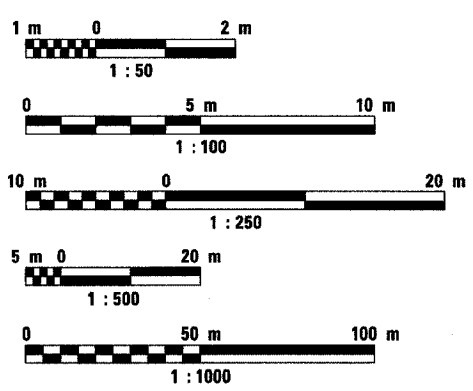
FAI 94 (INTERSTATE 94)  
IL 394 (ILLINOIS ROUTE 394)

DESIGN DESIGNATION:  
I-94 WB (F.A.I. RTE 94) 4875 (20) 70.60 (CRCP-30)  
IL-394 NB (F.A.P. RTE 332) 3500 (20) 38.95 (CRCP-30)

ADT:  
I-94 = 92,700 (1995); 116,000 (2020)  
IL-394 = 41,900 (1995); 78,000 (2020)

DESIGN SPEED:  
I-94 = 110 KM/HR  
IL 394 = 110 KM/HR  
RAMP G = 80 KM/HR

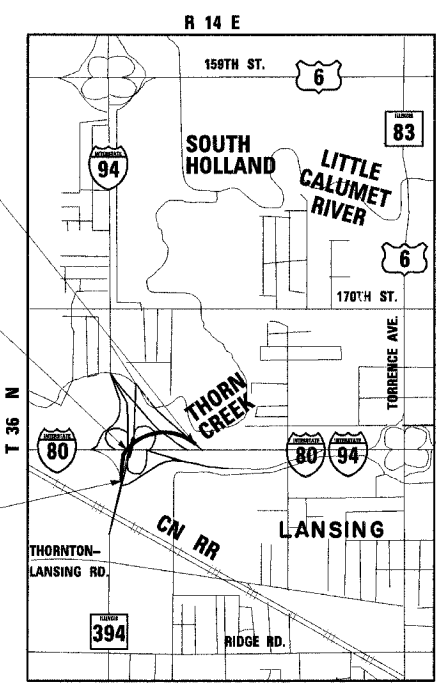
METRIC RATIOS



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

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

CONTRACT NO. 62854

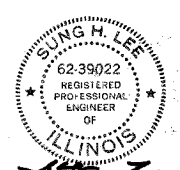


LOCATION MAP  
SCALE = 1 : 20,000

BEGIN PROJECT  
STA. 120+134.849  
RAMP G

STRUCTURE NO. 016-2804  
I-80/94 WB TO IL 394 SB (RAMP G FLYOVER)  
STA. 120+796.063, LENGTH=555.300 m

END PROJECT  
STA. 121+040.000  
RAMP G



SUNG H. LEE, P.E.  
LICENSE NO. 062-039022  
EXPIRES: 11/30/05  
DATE: 3/11/05  
SHEETS: 1-7, 10, 12, 14-23, 27-29, 36-40, 44, 45, 47, 50, 173, 183-200



PHILIP C. AZZARELLO, S.E.  
LICENSE NO. 081-004245  
EXPIRES: 11/30/06  
DATE: 3-11-05  
SHEETS: 62-156



BRIAN BURKHARD, P.E.  
LICENSE NO. 062-049173  
EXPIRES: 11/30/05  
DATE: 3-11-05  
SHEETS: 57-61



RICHARD A. SAMs, P.E.  
LICENSE NO. 062-036430  
EXPIRES: 11/30/05  
DATE: 3-11-05  
SHEETS: 8, 9, 11, 13, 24-26, 41-43, 46, 48, 49, 172, 174-182

CONSULTANT PROJECT ENGINEER: CATHERINE A. KIBBLE (847) 705-4269 - SCHAUMBURG, IL.

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	2
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**INDEX OF SHEETS**

SHEET NO.	DRAWING NO.	DESCRIPTION
1		COVER SHEET
2		INDEX OF SHEETS AND HIGHWAY STANDARDS
3	GN-1	GENERAL NOTES AND COMMITMENTS
4-7	SQ-1 - SQ-4	SUMMARY OF QUANTITIES
8-10	TS-1 - TS-3	TYPICAL SECTIONS
11-14	SC-1 - SC-4	SCHEDULES OF QUANTITIES
15-19	TB-1 - TB-5	ALIGNMENT, TIES, AND BENCHMARKS
20		SUGGESTED CONSTRUCTION SEQUENCING
21-24	PF-1 - PF-4	EXISTING AND PROPOSED PLAN
25-29	PF-5 - PF-9	PROFILE SHEETS
30-31	SB-1 - SB-2	SOIL BORING LOCATION PLAN
32-35	SB-3 - SB-6	SOIL BORING PROFILE SHEETS
36-45	EC-1 - EC-10	DRAINAGE AND EROSION CONTROL PLANS
46	DD-1	DRAINAGE DETAILS
47	IG-1	GRADING PLANS
48	PD-1	PAVEMENT ELEVATION & DETAILS
49	MD-1	PAVEMENT & SUBGRADE TRANSITION & GORE DETAILS
50	PM-1	PAVEMENT MARKING PLANS
51-55		SUBSURFACE UTILITY ENGINEERING PLANS
56-61	GE-1, RL28-1 - ED28-3	LIGHTING PLANS
62-154		SN 016-2804, I-80/94 WB FLYOVER RAMP TO SB IL 394 (RAMP G)
155		SN 016-2804 BRIDGE APPROACH SLAB
156-165		DETAILS
166-171		DISTRICT DETAILS
172-173	KM-1 - KM-2	CROSS SECTION KEY MAP
174-200	XS-1 - XS-27	CROSS SECTIONS

**HIGHWAY STANDARDS INCLUDED**

NO.	TITLE
000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001	AREAS OF REINFORCEMENT BARS
280001-02	TEMPORARY EROSION CONTROL SYSTEM
420001-05	PAVEMENT JOINTS
420401-05	BRIDGE APPROACH PAVEMENT
420701-01	PAVEMENT FABRIC
420306-05	EXIT RAMP TERMINAL - JOINTED PCC PAVEMENT ADJACENT TO CRC MAINLINE PAVEMENT
515001-02	NAME PLATE FOR BRIDGES
601101	CONCRETE HEADWALL FOR PIPE DRAINS
602306	INLET - TYPE B
604001-02	FRAME AND LIDS TYPE 1
604036-01	GRATE, TYPE B
609006-02	BRIDGE APPROACH PAVEMENT (DRAIN DETAIL)
630001-05	STEEL PLATE BEAM GUARDRAIL
630301-03	SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS
631031-05	TRAFFIC BARRIER TERMINAL, TYPE 6
635001	DELINEATORS
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
701101-01	OFF-ROAD OPERATIONS, MULTILANE LESS THAN 4.5 M (15') AWAY FOR SPEEDS > OR = 45MPH
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-03	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-03	LANE CLOSURE, MULTI-LANE AT ENTRANCE OR EXIT RAMP FOR SPEEDS > OR = 45 MPH
701426-02	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPER. FOR SPEEDS > OR = 45 MPH
701446	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
702001-05	TRAFFIC CONTROL DEVICES
704001-02	TEMPORARY CONCRETE BARRIER
780001-01	TYPICAL PAVEMENT MARKINGS

**MIXTURE REQUIREMENTS**

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S):	STABILIZED SUB-BASE
THICKNESS	100MM / 150 MM
AC TYPE	PG 58-22
RAP % (MAX)	50
DESIGN AIR VOIDS:	2% @ 30 GYR.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)

INDEX OF SHEETS AND  
HIGHWAY STANDARDS

HORIZ SCALE: NONE  
VERT SCALE: NONE  
DATE: MARCH 23, 2005

DRAWN BY: BJM  
CHECKED BY: JES

**HNTB**

FAY RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	3
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (A 48 HOUR NOTIFICATION IS REQUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE VILLAGE OF LANSING, COOK COUNTY, AND CONSTRUCTION CONTRACTORS WITH WORK ADJACENT TO WORK ZONES.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 
- WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- PRIOR TO THE INSTALLATION OF TOPSOIL, REGARDLESS OF SLOPE, THE SUBGRADE SHALL BE SURFACE ROUGHENED BY A TRACKED VEHICLE NO MORE THAN 7 DAYS PRIOR TO PLACEMENT, THIS WORK SHALL BE INCLUDED IN THE COST OF "TOPSOIL, FURNISH AND PLACE".
- THE PHASE III CONSULTANT WILL BE RESPONSIBLE FOR THE RE-ESTABLISHMENT OF CONTROL AND TIE POINTS AS SHOWN ON THE ALIGNMENT AND TIES SHEETS. THE CONTRACTOR SHALL COORDINATE THE RE-ESTABLISHMENT OF EXISTING CONTROL AND TIE POINTS DISTURBED BY THE CONSTRUCTION ACTIVITIES WITH THE RESIDENT ENGINEER AND PHASE III CONSULTANT. EXISTING CONTROL AND TIE POINT LOCATIONS THAT ARE CONSIDERED NOT VIABLE UNDER THE FINAL CONDITIONS MAY BE RE-ESTABLISHED AT A MORE FEASIBLE LOCATION, AS APPROVED BY THE RESIDENT ENGINEER. THE PHASE III CONSULTANT SHALL SUBMIT DOCUMENTATION OF ALL RE-ESTABLISHED CONTROL AND TIE POINTS TO THE DEPARTMENT NO LATER THAN ONE (1) MONTH AFTER COMPLETION OF THE CONTRACT.
- THE CONSTRUCTION LIMIT WILL BE STAKED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGED CONSTRUCTION LIMITS.
- 3 m TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.

COMMITMENTS

- THE CONSTRUCTION OF ROADSIDE DRAINAGE SWALES WILL NOT INTERCEPT GROUNDWATER LEVELS. ROADSIDE SWALES ARE CONSTRUCTED WITHIN THE INTERCHANGE AREAS TO ACCEPT ROADWAY DRAINAGE ONLY. TOPSOIL IN THE PERMANENT CONSTRUCTION ZONES WILL BE SEGREGATED FOR POTENTIAL RE-USE WITHIN THE TEMPORARY WORK AREAS AFTER CONSTRUCTION IS COMPLETE.
- PRIOR TO CONSTRUCTION COMMENCING IN THE INTERSTATE 94/ILLINOIS ROUTE 394 INTERCHANGE AREA, THE LOCATION OF THE ORCHID WILL BE IDENTIFIED AND FENCING WILL BE ERECTED AROUND THE AREA TO PREVENT THE INTRUSION OF PERSONNEL AND VEHICLES. ALSO, A TRAINING SESSION WILL BE HELD AT THE PRE-CONSTRUCTION MEETING TO ALERT CONSTRUCTION PERSONNEL OF THE SENSITIVITY OF THE PLANT SPECIES AND THE NEED TO AVOID ACCIDENTAL INTRUSIONS OR SPILLS IN THE AREA. THE TRAINING WILL ALSO ADDRESS AVOIDING THE ACCIDENTAL INTRUSIONS INTO THE NOTEWORTHY BOTANICAL AREAS THAT WILL NOT BE IMPACTED. THIS INCLUDES THE VOLBRECHT WOODS, WAMPUM LAKE SEEPAGE INTO ALL SITES, AND THE IDENTIFIED SAND FLATWOOD COMMUNITIES.
- IN ADDITION TO THE EROSION AND SEDIMENT CONTROL FENCING AROUND THE CONSTRUCTION LIMITS, IDOT WILL PROVIDE CHAIN LINK FENCING AROUND WETLANDS AND WATER BODIES TO PREVENT ACCIDENTAL INTRUSIONS OF THE CONSTRUCTION PERSONNEL AND EQUIPMENT. NON-INTRUSION ZONE SIGNING WILL ALSO BE INSTALLED WITH THE FENCING.
- BASED ON THE SENSITIVITY OF THE PLANT COMMUNITIES IN THE SOUTHWEST QUADRANT OF THE INTERSTATE 94/ILLINOIS ROUTE 394 INTERCHANGE, PRECAUTIONS WILL BE TAKEN TO MAINTAIN EXISTING GROUNDWATER LEVELS THAT ARE SUPPORTING THIS COMMUNITY. RUBBER GASKET SEALED STORM SEWERS WILL BE PROVIDED IN AREAS WHERE PROPOSED STORM SEWERS INTERCEPT THE GROUNDWATER LEVEL WITHIN THE FPDC AND INTERCHANGE AREA. IN ADDITION, ANTI-SEEP COLLARS WILL BE PLACED ON STORM SEWERS IN THIS AREA. CONTRACTOR MUST HAVE WRITTEN APPROVAL FROM THE ENGINEER TO ALTER THE DRAINAGE DESIGN.
- THE NEAR SURFACE GROUNDWATER UPON WHICH THE BIOLOGICALLY SENSITIVE AREAS DEPEND WILL BE PROTECTED FROM COMPACTION DURING CONSTRUCTION AND DRAINAGE DURING ANY AND ALL EXCAVATIONS BELOW GROUNDWATER. IN ORDER TO MAINTAIN EXISTING SOIL PERMEABILITY IN THE SOUTHWEST AND SOUTHEAST QUADRANTS, THE USE OF SPECIAL PRACTICES WILL MINIMIZE SOIL COMPACTION THROUGH THE WORK ZONE. THIS WILL INCLUDE THE USE OF LOW GROUND WEIGHT VEHICLES OR MATTING TO REDUCE RUTTING. AFTER COMPLETION, TOPSOIL IN WORK AREAS WILL BE REWORKED TO REMOVE RUTTED OR COMPACTED AREAS THAT MAY HAVE OCCURRED. CONTRACTOR MUST MINIMIZE SOIL COMPACTION OUTSIDE THE EMBANKMENT AREA BY USE OF LOW GROUND WEIGHT VEHICLES OR MATTING TO REDUCE RUTTING. CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL RUTTED OR COMPACTED AREAS TO THE SATISFACTION OF THE ENGINEER.

GN-1

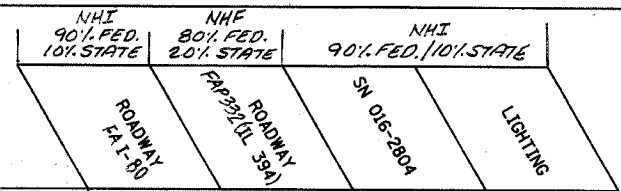
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)  
  
GENERAL NOTES  
AND COMMITMENTS

REVISIONS	
NAME	DATE

HORIZ SCALE: NONE  
VERT SCALE: NONE  
DATE: MARCH 23, 2005  
DRAWN BY: BJM  
CHECKED BY: JES

**HNTB**

FBI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	4
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CODE	PAY ITEM	UNIT	URBAN TOTAL	CONSTRUCTION TYPE CODE			
				J000-2A	J000-2A	X971-2A	Y030-1E
28000300	TEMPORARY DITCH CHECKS	EACH	4		4		
28000500	INLET AND PIPE PROTECTION	EACH	2	1	1		
28000510	INLET FILTERS	EACH	2	2			
50500505	STUD SHEAR CONNECTORS	EACH	11438			11438	
51500100	NAME PLATES	EACH	1			1	
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	2	2			
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1	1			
60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1			
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1			
63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	1	1			
67100100	MOBILIZATION	L SUM	1	0.5	0.5		
78200100	MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR	EACH	9		9		
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1			
M2010500	TREE REMOVAL, HECTARES	HA	0.3		0.3		
M2011000	TEMPORARY FENCE	METER	156.5		156.5		
M2020010	EARTH EXCAVATION	CU M	1763	1745	18		
M2021200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU M	3047	1015	2032		
M2040800	FURNISHED EXCAVATION	CU M	17,980	17,980			
M2070220	POROUS GRANULAR EMBANKMENT	CU M	37,347		37,196	151	
M2080150	TRENCH BACKFILL	CU M	5	5			
M2090410	SAND BACKFILL	CU M	56	56			
M2101000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ M	2248	2248			
M2113150	TOPSOIL FURNISH AND PLACE, 150MM	SQ M	8920	7419	1501		
M2114100	COMPOST FURNISH AND PLACE, 100MM	SQ M	6537		6537		
M2500210	SEEDING, CLASS 2A	HA	0.3	0.1	0.2		
M2500310	SEEDING, CLASS 4	HA	1.4	0.7	0.7		
M2500400	NITROGEN FERTILIZER NUTRIENT	KG	26.0	10.0	16.0		
M2500500	PHOSPHORUS FERTILIZER NUTRIENT	KG	26.0	10.0	16.0		
M2500600	POTASSIUM FERTILIZER NUTRIENT	KG	26.0	10.0	16.0		
M2510115	MULCH, METHOD 2	HA	0.9	0.2	0.7		
M2510630	EROSION CONTROL BLANKET	SQ M	21233	13195	8038		
M2520200	SUPPLEMENTAL WATERING	UNIT	260		260		

- SPECIALTY ITEM
- \*\* SFTY-3N
- △ Y080

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)

SUMMARY OF QUANTITIES

HORIZ SCALE: NONE  
 VERT SCALE: NONE  
 DATE: MARCH 23, 2005

DRAWN BY: BJM  
 CHECKED BY: JES

**HNTB**

Rev.



FAY RTE 80/94	SECTION 0203.1B	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 5
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NHI 90% FED. 10% STATE	NHP 80% FED. 20% STATE	NHI 90% FED./10% STATE
ROADWAY FAY-80	ROADWAY FAY-80 (IL 394)	SN 016-280A
		LIGHTING

CODE	PAY ITEM	UNIT	URBAN TOTAL	CONSTRUCTION TYPE CODE			
				J000-2A	J000-2A	X971-2A	Y030-1E
M2800250	TEMPORARY EROSION CONTROL SEEDING	KG	77		77		
M2810107	STONE RIPRAP, CLASS A4	SQ M	83	83			
M2820200	FILTER FABRIC	SQ M	83	83			
M3111300	SUB-BASE GRANULAR MATERIAL, TYPE B 300MM	SQ M	550	550			
M3120100	STABILIZED SUB-BASE 100MM	SQ M	1698	1698			
M3120150	STABILIZED SUB-BASE 150MM	SQ M	550	550			
M4202285	PORTLAND CEMENT CONCRETE PAVEMENT 280MM (JOINTED)	SQ M	881	881			
M4205050	BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ M	85	85			
M4218000	PROTECTIVE COAT	SQ M	1158	1158			
M4402000	PAVEMENT REMOVAL	SQ M	127		127		
M4402530	PAVED SHOULDER REMOVAL	SQ M	111		111		
M4402540	PAVEMENT BREAKING	SQ M	839		839		
M4812280	AGGREGATE SHOULDERS, TYPE B 280MM	SQ M	62	62			
M4830150	PORTLAND CEMENT CONCRETE SHOULDERS - 150MM	SQ M	88	88			
M4830280	PORTLAND CEMENT CONCRETE SHOULDERS - 280MM	SQ M	718	718			
M4830360	PORTLAND CEMENT CONCRETE SHOULDERS - 360MM	SQ M	529	529			
M4832000	PROTECTIVE COAT	SQ M	1335	1335			
M5020100	STRUCTURE EXCAVATION	CU M	1473			1473	
M5030105	NEOPRENE EXPANSION JOINT 50MM	METER	9.5			9.5	
M5030350	CONCRETE STRUCTURES	CU M	1148.3			1148.3	
M5030360	CONCRETE SUPERSTRUCTURE	CU M	1585.5			1585.5	
M5030390	BRIDGE DECK GROOVING	SQ M	5036			5036	
M5030450	PROTECTIVE COAT	SQ M	6459.4			6459.4	
M5050305	ERECTING STRUCTURAL STEEL	L SUM	1			1	
M5050405	FURNISHING AND ERECTING STRUCTURAL STEEL	KG	1170			1170	
M5080205	REINFORCEMENT BARS, EPOXY COATED	KG	365940			365940	
M5110100	SLOPE WALL 100 MM	SQ M	324			324	
M5120160	FURNISHING STEEL PILES HP310X79	METER	990			990	
M5120180	FURNISHING STEEL PILES HP360X108	METER	3596.2			3596.2	
M5120315	DRIVING STEEL PILES	METER	4586.2			4586.2	
M5120460	TEST PILE STEEL HP310X79	EACH	2			2	
M5120480	TEST PILE STEEL HP360X108	EACH	8			8	
M5120900	TEMPORARY SHEET PILING	SQ M	43.2			43.2	

- \* SPECIALTY ITEM
- \*\* SFTY-3N
- △ Y080

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)

SUMMARY OF QUANTITIES

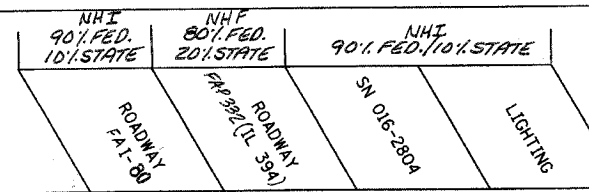
HORIZ SCALE: NONE  
VERT SCALE: NONE  
DATE: MARCH 23, 2005

DRAWN BY: BJM  
CHECKED BY: JES

HNTB

SQ-2

FBI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	6
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CODE	PAY ITEM	UNIT	URBAN TOTAL	CONSTRUCTION TYPE CODE			
				J000-2A	J000-2A	X971-2A	Y030-1E
M5428515	PIPE CULVERTS, TYPE 5 RCCP 450MM	METER	119.5	119.5			
M542E120	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 450MM	EACH	1	1			
M5503070	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CUVERT, STORM DRAIN, AND SEWER PIPE, CLASS III, 450MM	METER	18.5	18.5			
M5870020	BRIDGE SEAT SEALER	SQ M	57.9			57.9	
M6010610	PIPE UNDERDRAINS 150MM	METER	178.5	178.5			
M6010710	PIPE UNDERDRAINS 150MM (SPECIAL)	METER	32.0	32.0			
M6020105	CATCH BASINS, TYPE A, 1.2M DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1			
M6020140	CATCH BASINS, TYPE A, 1.2M DIAMETER, TYPE 8 GRATE	EACH	1	1			
M6063620	CONCRETE MEDIAN SURFACE, 150MM	SQ M	31	31			
M6300100	STEEL PLATE BEAM GUARD RAIL, TYPE A	METER	11.43	11.43			
M6320030	GUARDRAIL REMOVAL	METER	17		17		
M6370805	CONCRETE BARRIER TRANSITION	METER	6	6			
M6371050	CONCRETE BARRIER BASE	METER	110	110			
M7040210	RELOCATE TEMPORARY CONCRETE BARRIER (SPECIAL)	METER	33.55		33.55		
M7802010	POLYUREA PAVEMENT MARKING TYPE I - LINE 100MM	METER	1136		1136		
M7802030	POLYUREA PAVEMENT MARKING TYPE I - LINE 300MM	METER	23		23		
M8120210	CONDUIT EMBEDDED IN STRUCTURE, 25MM DIA. PVC	METER	11				11
M8120230	CONDUIT EMBEDDED IN STRUCTURE, 50MM DIA. PVC	METER	2293				2293
M8131400	JUNCTION BOX, NON-METALLIC, EMBEDDED IN STRUCTURE, 525MM X 275MM X 200MM	EACH	40				40
MX030256	ERECTING FLOATING BEARINGS, GUIDED EXPANSION 1000KN	EACH	6			6	
MX030257	ERECTING FLOATING BEARINGS, GUIDED EXPANSION 1250KN	EACH	12			12	
<del>MX032055</del>	<del>WEED CONTROL, TEASEL</del>	<del>METER</del>	<del>1</del>	<del>1</del>			
MX033290	SEDIMENT CONTROL, SILT FENCE	METER	630	510	120		
MX033291	SEDIMENT CONTROL, SILT FENCE MAINTENANCE	METER	630	510	120		
MX033292	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE	SQ M	900		900		
MX033303	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE MAINTENANCE	SQ M	900		900		
MX033467	WICK DRAINS	METER	8472		8472		
MX033493	TEMPORARY SOIL RETENTION SYSTEM (REMAIN IN PLACE)	SQ M	607		607		
MX637150	CONCRETE BARRIER, SINGLE FACE, 1065 MM HEIGHT, SPECIAL	METER	104	104			
MX704012	TEMPORARY CONCRETE BARRIER (INSTALL ONLY)	METER	42.7		42.7		
MZ001050	AGGREGATE SUBGRADE 300MM	SQ M	1698	1698			
MZ065755	SLOTTED DRAIN 300MM WITH VARIABLE SLOT HEIGHT	METER	70	70			
X0323426	SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	15	15			

- SPECIALTY ITEM
- SFTY-3N
- △ Y080

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)

SUMMARY OF QUANTITIES

HORIZ SCALE: NONE  
VERT SCALE: NONE  
DATE: MARCH 23, 2005

DRAWN BY: BJM  
CHECKED BY: JES

**HNTB**

FBI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	7
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NHI 90% FED. 10% STATE	NHF 80% FED. 20% STATE	NHI 90% FED./10% STATE	
ROADWAY FBI-80	ROADWAY FBI-39A (IL 39A)	SN 016-280A	LIGHTING

CODE	PAY ITEM	UNIT	URBAN TOTAL	CONSTRUCTION TYPE CODE			
				J000-2A	J000-2A	X971-2A	Y030-1E
X0323830	DRAINAGE SCUPPERS, DS-11	EACH	5			5	
X0324044	EROSION CONTROL, TEMPORARY PIPE SLOPE DRAIN	EACH	4	2	2		
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	0.5	0.5		
X7015000	CHANGEABLE MESSAGE SIGN	CAL MO	8			8	
Z0002600	BAR SPLICERS	EACH	62			62	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5	0.5		
Z0018800	DRAINAGE SYSTEM	L SUM	1			1	
Z0029999	IMPACT ATTENUATOR REMOVAL	EACH	1		1		
** Z0030030	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1			
<del>Z0076600</del>	<del>TRAINEES</del>	<del>HOUR</del>					
MX033533	ERECTING MODULAR EXPANSION JOINT 160MM	METER	9.7			9.7	
MX033534	ERECTING MODULAR EXPANSION JOINT-SWIVEL 240MM	METER	19.4			19.4	
MX030272	ERECTING FLOATING BEARINGS, GUIDED EXPANSION 750KN	EACH	18			18	
MX030261	ERECTING FLOATING BEARINGS, GUIDED EXPANSION 2250KN	EACH	18			18	
MX030573	ERECTING FLOATING BEARINGS, FIXED 2250KN	EACH	6			6	
MX030574	ERECTING FLOATING BEARINGS, FIXED 2500KN	EACH	12			12	
MX033535	HORIZONTAL STRIP DRAINS	METER	684		684		
* M6120260	CONDUIT EMBEDDED IN STRUCTURE, 100MM DIA., RIGID GALVANIZED STEEL	METER	112				112

- SPECIALTY ITEM
- \*\* SFTY-3N
- ~~△ Y080~~

REVISIONS	
NAME	DATE

SQ-4

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP C)

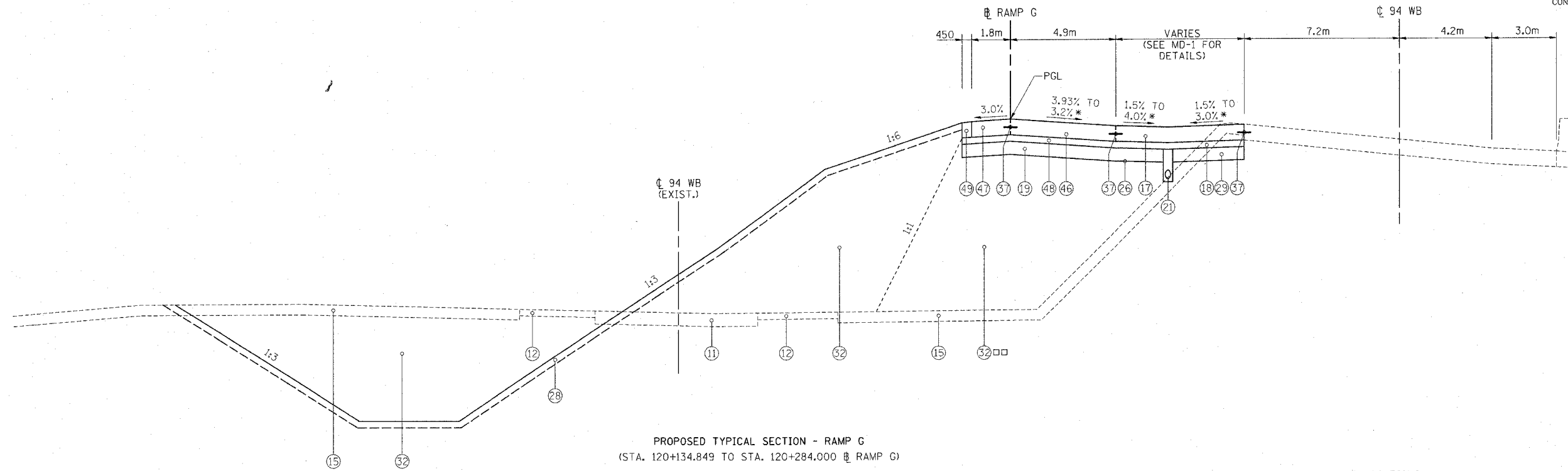
SUMMARY OF QUANTITIES

HORIZ SCALE: NONE  
VERT SCALE: NONE  
DATE: MARCH 23, 2005

DRAWN BY: BJM  
CHECKED BY: JES

**HNTB**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	8
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT #62854				



PROPOSED TYPICAL SECTION - RAMP G  
(STA. 120+134.849 TO STA. 120+284.000 @ RAMP G)

\* SEE PD-1 FOR LOCATIONS  
 □ ITEM TO BE CONSTRUCTED TO EXTENDED LIFE CONCRETE PAVEMENT (30 YEAR) SPECIFICATIONS

**LEGEND**

- 1 EXISTING BITUMINOUS CONCRETE, 75 MM
- 2 EXISTING JOINTED CONCRETE PAVEMENT, 250 MM
- 3 EXISTING GRANULAR SUBBASE, 100 MM
- 4 EXISTING SELECTED SUBGRADE, 250 MM
- 5 EXISTING CONCRETE GUTTER, TYPE G-3
- 6 EXISTING PAVEMENT (150 MM BITUMINOUS OVERLAY, 275 MM CONCRETE)
- 7 EXISTING SHOULDER
- 8 EXISTING COMBINATION CURB AND GUTTER
- 9 NOT USED
- 10 EXISTING MECHANICALLY STABILIZED EARTH RETAINING WALL
- 11 PAVEMENT REMOVAL/PAVEMENT BREAKING, 425mm (TO BE REMOVED BY OTHERS)
- 12 PAVED SHOULDER REMOVAL (TO BE REMOVED BY OTHERS)
- 13 COMBINATION CURB AND GUTTER REMOVAL
- 14 NOT USED
- 15 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- 16 EARTH EXCAVATION
- 17 PROPOSED PORTLAND CEMENT CONCRETE SHOULDERS, 360 MM □
- 18 PROPOSED STABILIZED SUBBASE, 150 MM □
- 19 PROPOSED AGGREGATE SUBGRADE, 300 MM
- 20 PROPOSED DITCH
- 21 PROPOSED PIPE UNDERDRAINS, 150 MM
- 22 PROPOSED CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 360 MM □
- 23 NOT USED
- 24 NOT USED
- 25 NOT USED
- 26 PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION □
- 27 PROPOSED SHORT TERM PAVEMENT SUPERPAVE (FULL DEPTH)
- 28 TOPSOIL FURNISH AND PLACE, 150 MM
- 29 PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B, 300 MM □

- 30 BARRIER BASE
- 31 PROPOSED AGGREGATE SHOULDERS, TYPE B, 360 MM
- 32 PROPOSED EMBANKMENT (SEE NOTE 4)
- 33 PROPOSED CONCRETE BARRIER, SINGLE FACE, 1065 MM HEIGHT, SPECIAL
- 34 TEMPORARY MECHANICALLY STABILIZED EARTH RETAINING WALL
- 35 PROPOSED STEEL PLATE BEAM GUARDRAIL
- 36 PROPOSED PORTLAND CEMENT CONCRETE STABILIZATION 150 MM AT STEEL PLATE BEAM GUARDRAIL
- 37 PAVEMENT TO SHOULDER (LONGITUDINAL JOINT) #20 TIE BAR (EPOXY COATED) DRILL & GROUT 600mm LONG @ 600mm C-C
- 38 PAVEMENT TO PAVEMENT (LONGITUDINAL SAWED JOINT) #20 TIE BAR (EPOXY COATED) 750mm LONG @ 750mm C-C
- OR
- 39 PAVEMENT TO PAVEMENT (LONGITUDINAL CONSTRUCTION JOINT) #25 TIE BAR (EPOXY COATED) DRILL & GROUT 600mm LONG @ 600mm C-C
- 39 TEMPORARY CONCRETE BARRIER (INSTALL ONLY)
- 40 NOT USED
- 41 PROPOSED CONCRETE GUTTER, TYPE A (MODIFIED)
- 42 NOT USED
- 43 NOT USED
- 44 REINFORCED FILL
- 45 CAST IN PLACE CONCRETE RETAINING WALL
- 46 PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED), 280MM
- 47 PROPOSED PORTLAND CEMENT CONCRETE SHOULDERS, 280 MM
- 48 PROPOSED STABILIZED SUBBASE (BAM), 100 MM
- 49 PROPOSED AGGREGATE SHOULDERS, TYPE B, 280 MM
- 50 NOT USED

**NOTES**

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. FOR OFFSET AND ELEVATIONS FOR PROPOSED GRADING SEE PROPOSED CROSS SECTIONS.
3. OFFSET TO SLOPE BREAK AS SHOWN ON CROSS SECTIONS
4. EXTENDED LIFE EMBANKMENT IS SHOWN WHERE APPLICABLE. □
5. THE BARS SHALL CONFORM TO STANDARD 420001 EXCEPT THAT TIE BARS FOR LONGITUDINAL CONSTRUCTION JOINTS SHALL BE NO. 25 BARS.

**TS-1**

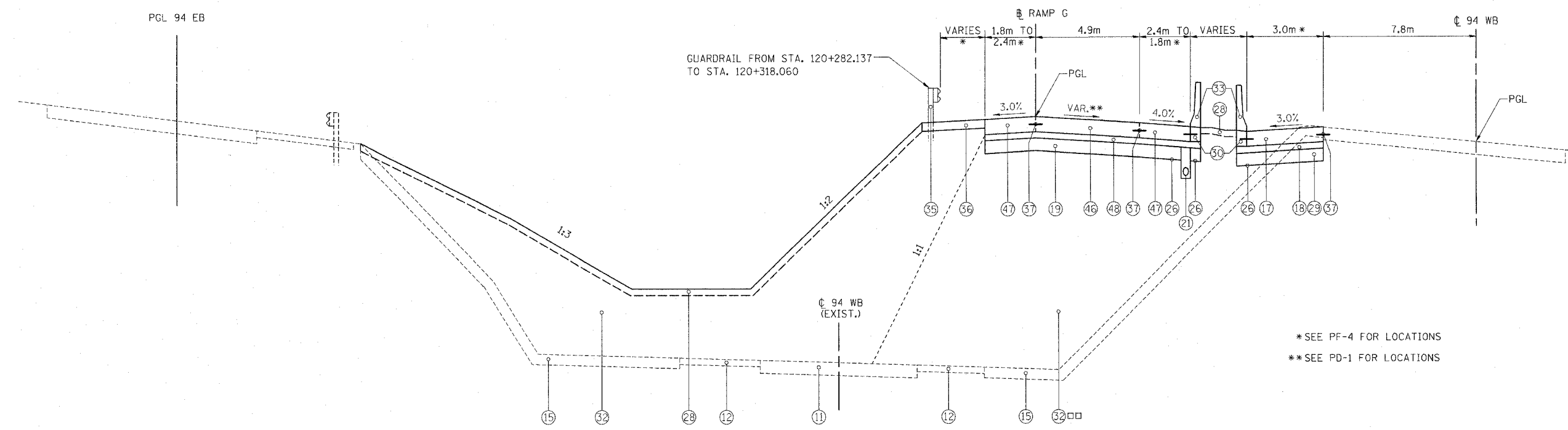
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		TYPICAL SECTIONS

DRAWN BY: CTT  
CHECKED BY: RCH

DATE: March 23, 2005

**McDonough Associates Inc.**  
Engineers / Architects

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203JB	COOK	200	9
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT #62854				



PROPOSED TYPICAL SECTION - RAMP G  
(STA. 120+284.000 TO STA. 120+314.650 @ RAMP G)

\* SEE PF-4 FOR LOCATIONS  
\*\* SEE PD-1 FOR LOCATIONS

**LEGEND**

- ① EXISTING BITUMINOUS CONCRETE, 75 MM
- ② EXISTING JOINTED CONCRETE PAVEMENT, 250 MM
- ③ EXISTING GRANULAR SUBBASE, 100 MM
- ④ EXISTING SELECTED SUBGRADE, 250 MM
- ⑤ EXISTING CONCRETE GUTTER, TYPE G-3
- ⑥ EXISTING PAVEMENT (150 MM BITUMINOUS OVERLAY, 275 MM CONCRETE)
- ⑦ EXISTING SHOULDER
- ⑧ EXISTING COMBINATION CURB AND GUTTER
- ⑨ NOT USED
- ⑩ EXISTING MECHANICALLY STABILIZED EARTH RETAINING WALL (TO BE REMOVED BY OTHERS)
- ⑪ PAVEMENT REMOVAL/PAVEMENT BREAKING, 425mm (TO BE REMOVED BY OTHERS)
- ⑫ PAVED SHOULDER REMOVAL (TO BE REMOVED BY OTHERS)
- ⑬ COMBINATION CURB AND GUTTER REMOVAL
- ⑭ NOT USED
- ⑮ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ⑯ EARTH EXCAVATION
- ⑰ PROPOSED PORTLAND CEMENT CONCRETE SHOULDERS, 360 MM □□
- ⑱ PROPOSED STABILIZED SUBBASE, 150 MM □□
- ⑲ PROPOSED AGGREGATE SUBGRADE, 300 MM
- ⑳ PROPOSED DITCH
- ㉑ PROPOSED PIPE UNDERDRAINS, 150 MM
- ㉒ PROPOSED CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 360 MM □□
- ㉓ NOT USED
- ㉔ NOT USED
- ㉕ NOT USED
- ㉖ PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION □□
- ㉗ PROPOSED SHORT TERM PAVEMENT SUPERPAVE (FULL DEPTH)
- ㉘ TOPSOIL FURNISH AND PLACE, 150 MM
- ㉙ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B, 300 MM □□

- ㉚ BARRIER BASE
- ㉛ PROPOSED AGGREGATE SHOULDERS, TYPE B, 360 MM
- ㉜ PROPOSED EMBANKMENT (SEE NOTE 4)
- ㉝ PROPOSED CONCRETE BARRIER, SINGLE FACE, 1065 MM HEIGHT, SPECIAL
- ㉞ TEMPORARY MECHANICALLY STABILIZED EARTH RETAINING WALL
- ㉟ PROPOSED STEEL PLATE BEAM GUARDRAIL
- ㊱ PROPOSED PORTLAND CEMENT CONCRETE STABILIZATION 150MM AT STEEL PLATE BEAM GUARDRAIL (SEE SHEET MD-1 FOR DETAILS)
- ㊲ PAVEMENT TO SHOULDER (LONGITUDINAL JOINT)  
#20 TIE BAR (EPOXY COATED)  
DRILL & GROUT  
600mm LONG @ 600mm C-C
- ㊳ PAVEMENT TO PAVEMENT (LONGITUDINAL SAWED JOINT)  
#20 TIE BAR (EPOXY COATED)  
750mm LONG @ 750mm C-C
- OR
- PAVEMENT TO PAVEMENT (LONGITUDINAL CONSTRUCTION JOINT)  
#25 TIE BAR (EPOXY COATED)  
DRILL & GROUT  
600mm LONG @ 600mm C-C
- ㊴ TEMPORARY CONCRETE BARRIER (INSTALL ONLY)
- ㊵ NOT USED
- ㊶ PROPOSED CONCRETE GUTTER, TYPE A (MODIFIED)
- ㊷ NOT USED
- ㊸ NOT USED
- ㊹ REINFORCED FILL
- ㊺ CAST IN PLACE CONCRETE RETAINING WALL
- ㊻ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED), 280MM
- ㊼ PROPOSED PORTLAND CEMENT CONCRETE SHOULDERS, 280 MM
- ㊽ PROPOSED STABILIZED SUBBASE (BAM), 100 MM
- ㊾ PROPOSED AGGREGATE SHOULDERS, TYPE B, 280 MM
- ㊿ NOT USED

□□ ITEM TO BE CONSTRUCTED TO EXTENDED LIFE CONCRETE PAVEMENT (30 YEAR) SPECIFICATIONS

**NOTES**

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. FOR OFFSET AND ELEVATIONS FOR PROPOSED GRADING SEE PROPOSED CROSS SECTIONS.
3. OFFSET TO SLOPE BREAK AS SHOWN ON CROSS SECTIONS
4. EXTENDED LIFE EMBANKMENT IS SHOWN WHERE APPLICABLE. □□
5. THE BARS SHALL CONFORM TO STANDARD 420001 EXCEPT THAT TIE BARS FOR LONGITUDINAL CONSTRUCTION JOINTS SHALL BE NO. 25 BARS.

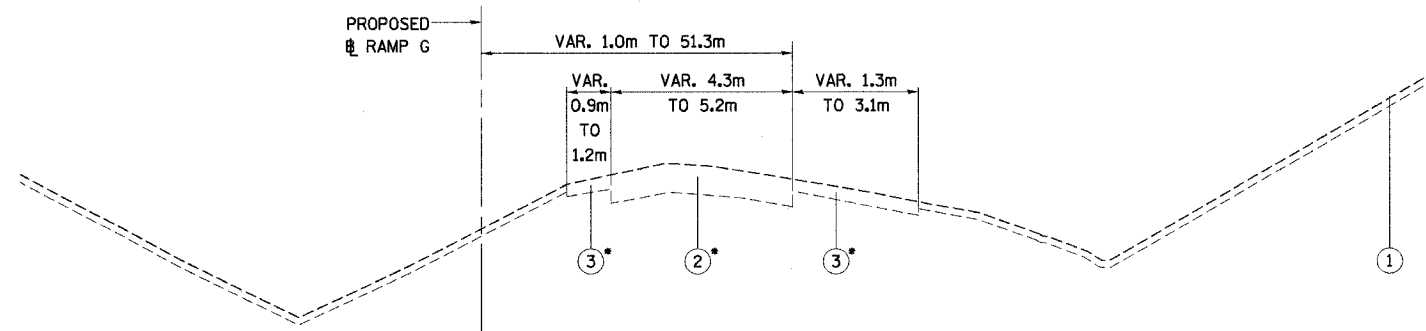
**TS-2**

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		TYPICAL SECTIONS

DRAWN BY: CTT  
CHECKED BY: RCH  
DATE: March 23, 2005

**McDonough Associates Inc.**  
Engineers / Architects

FAL RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	10
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**EXISTING TYPICAL SECTION - RAMP G**  
STATION 120+878.800 TO STA. 121+040.000  
LOOKING SOUTH

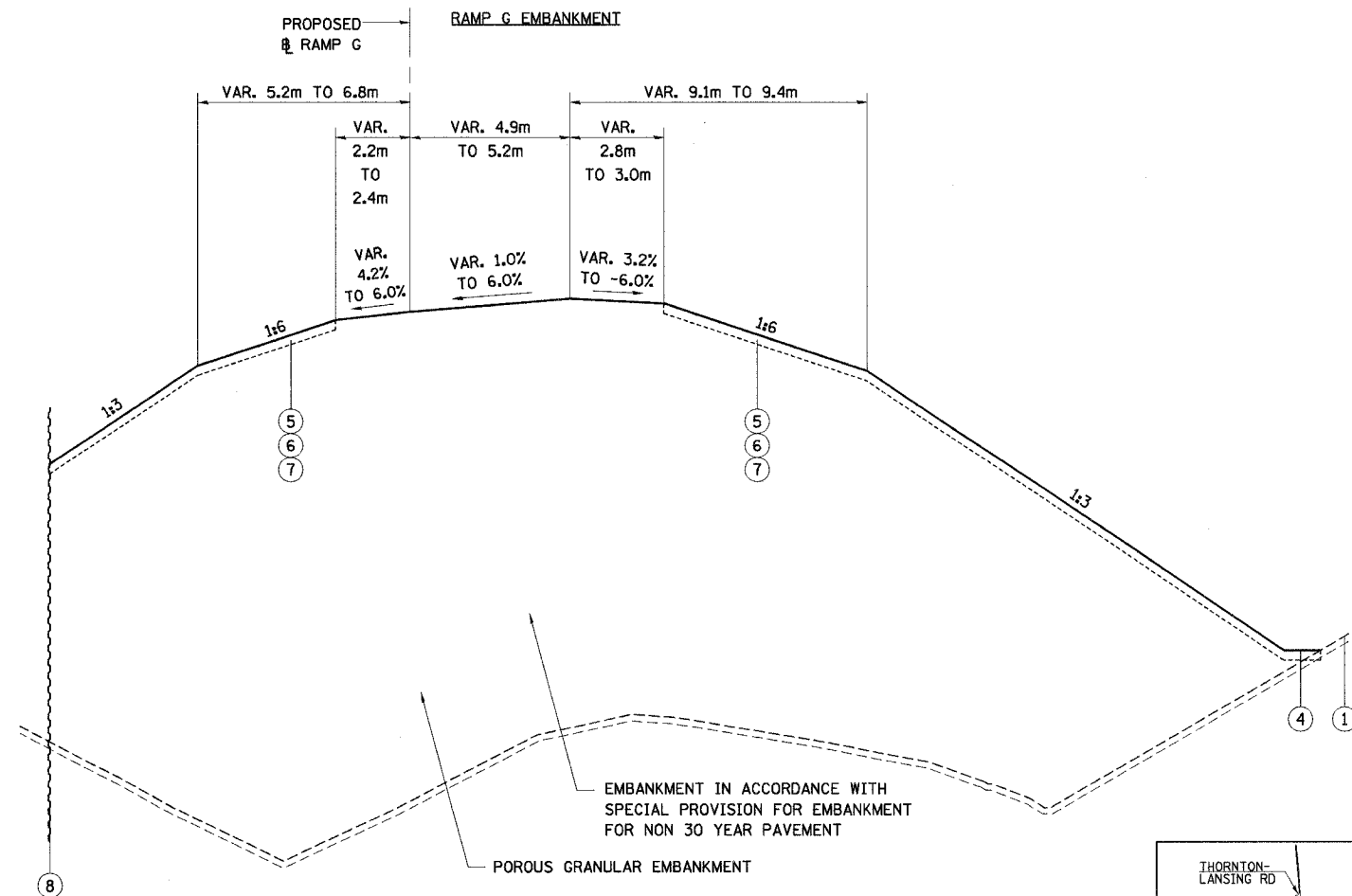
• REMOVALS ONLY APPLY TO EXISTING RAMP E WORK BETWEEN STA. 120+888.356 TO STA. 121+000.000

**LEGEND**

- ① EXISTING GROUND LINE
- ② PAVEMENT REMOVAL / PAVEMENT BREAKING (SEE NOTE 3)
- ③ PAVED SHOULDER REMOVAL (SEE NOTE 4)
- ④ PROP. DITCH/SWALE
- ⑤ PROP. TOPSOIL FURNISH AND PLACE, 150MM / COMPOST FURNISH AND PLACE, 100MM (SEE NOTE 5)
- ⑥ PROP. SEEDING CLASS 2A / CLASS 4 (SEE NOTE 5)
- ⑦ PROP. NITROGEN, PHOSPHORUS, AND POTASSIUM FERT. NUTRIENTS WITH CLASS 2A ONLY
- ⑧ PROP. TEMPORARY SOIL RETENTION SYSTEM (REMAIN IN PLACE)

**NOTES**

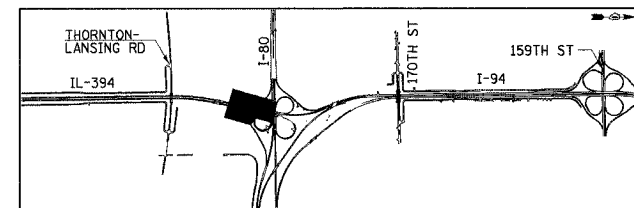
- 1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
- 2. FOR OFFSET AND ELEVATIONS FOR PROPOSED GRADING SEE PROPOSED CROSS SECTIONS
- 3. EXISTING PAVEMENT COMPOSITION: 150MM± BITUMINOUS OVERLAY, 275MM± PCC BASE COURSE
- 4. EXISTING PAVED SHOULDER PAVEMENT COMPOSITION: 200MM±
- 5. SEE EROSION CONTROL PLANS FOR LOCATIONS.



**PROPOSED TYPICAL SECTION - RAMP G**  
STATION 120+878.800 TO STA. 121+040.000  
LOOKING SOUTH

EMBANKMENT IN ACCORDANCE WITH SPECIAL PROVISION FOR EMBANKMENT FOR NON 30 YEAR PAVEMENT

POROUS GRANULAR EMBANKMENT



REVISIONS	
NAME	DATE
JYMC	5/2/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)

**TYPICAL SECTIONS  
RAMP G**

HORIZ SCALE: N.T.S.  
VERT SCALE: N.T.S.  
DATE: MARCH 23, 2005  
DRAWN BY: JYMC  
CHECKED BY: JES

**HNTB**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	11
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT #62854				

ROAD	STATION	STEEL PLATE BEAM GUARD RAIL, TYPE A	CONCRETE BARRIER, SINGLE FACE, 1065 MM HEIGHT, SPECIAL	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	TRAFFIC BARRIER TERMINAL TYPE 6
RAMP G	120+297.337 TO 120+308.720	11.43				
RAMP G	120+248.000 TO 120+292.524		39			
RAMP G	120+248.000 TO 120+324.500		64	1		
RAMP G	120+282.137				1	
RAMP G	120+318.060					1

PORTLAND CEMENT CONCRETE SHOULDERS - 360MM

LOCATION	BEGIN STATION	END STATION	AREA (SQ M)
RAMP G	120+134.849	120+206.258	180
	120+206.258	120+258.043	186
	120+258.043	120+292.524	103
	120+206.258	120+248.000	59
TOTAL			529

PORTLAND CEMENT CONCRETE SHOULDERS - 280MM

LOCATION	BEGIN STATION	WIDTH (METER)	END STATION	WIDTH (METER)	AREA (SQ M)
RAMP G	120+134.849	1.80	120+302.000	1.80	301
LT	120+302.000	1.80	120+314.650	2.40	27
LT	120+314.650	2.40	120+315.000	2.40	1
RT	120+134.849	1.15	120+206.258	2.55	132
RT	120+206.258	2.40	120+302.000	2.40	230
RT	120+302.000	2.40	120+314.650	1.80	27
RT	120+314.650	1.80	120+315.000	1.80	1
TOTAL					718


PORTLAND CEMENT CONCRETE PAVEMENT 280MM (JOINTED)

LOCATION	BEGIN STATION	END STATION	WIDTH (METER)	AREA (SQ M)
RAMP G	120+134.849	120+314.650	4.9	881

AGGREGATE SHOULDERS, TYPE B 280 MM

LOCATION	BEGIN STATION	END STATION	WIDTH (METER)	AREA (SQ M)
RAMP G	120+134.849	120+272.168	0.45	62

SC-1

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		SCHEDULE OF QUANTITIES  DATE: March 23, 2005 DRAWN BY: CTT CHECKED BY: RCH  McDonough Associates Inc. <small>Engineers / Architects</small>

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	12
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

ROADWAY SCHEDULE

LOCATION	PAVEMENT REMOVAL	PAVED SHOULDER REMOVAL	PAVEMENT BREAKING	GUARDRAIL REMOVAL	RELOCATE TEMPORARY CONCRETE BARRIER (SPECIAL)	TEMPORARY CONCRETE BARRIER (INSTALL ONLY)	WICK DRAINS	HORIZONTAL STRIP DRAINS	TEMPORARY SOIL RETENTION SYSTEM (REMAIN IN PLACE)	
	SQ M	SQ M	SQ M	METER	METER	METER	EACH	EACH	SQ M	
RAMP G	121+050 TO 120+750	127	111	839	17	33.55	42.7	8472	684	607
	120+750 TO 120+500	0	0	0	0	0	0	0	0	0
	120+500 TO 120+250	0	0	0	0	0	0	0	0	0
	TOTAL	127	111	839	17	33.55	42.7	8472	684	607

PAVEMENT MARKING SCHEDULE

LOCATION	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 100mm, WHITE	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 100mm, YELLOW	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 300mm, WHITE DIAGONALS ( 150m C-C TYP.)	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 300mm, YELLOW DIAGONALS ( 150m C-C TYP.)
	METER	METER	METER	METER
RAMP G	120+900 TO 120+550	334.1	328.8	5.7
	120+550 TO 120+284.65	238.3	234.4	4.0
	TOTAL	572.4	563.2	9.7

EROSION AND SEDIMENT CONTROL SCHEDULE

LOCATION	TEMPORARY DITCH CHECKS	INLET AND PIPE PROTECTION	TREE REMOVAL, HECTARES	TEMPORARY FENCE	TOPSOIL FURNISH AND PLACE, 150MM	COMPOST FURNISH AND PLACE, 100MM	SEEDING, CLASS 2A	SEEDING, CLASS 4	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	
	EACH	EACH	HA	METER	SQ M	SQ M	HA	HA	KG	KG	
RAMP G	121+050 TO 120+750	0	1	0.3	156.5	1501	5622.7	0.2	0.6	16	16
	120+750 TO 120+500	2	0	0	0	0	597.0	0	0.1	0	0
	120+500 TO 120+250	2	0	0	0	0	316.9	0	0	0	0
	TOTAL	4	1	0.3	156.5	1501	6537.0	0.2	0.7	16	16

LOCATION	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	EROSION CONTROL BLANKET	SUPPLEMENTAL WATERING	TEMPORARY EROSION CONTROL SEEDING	WEED CONTROL, TEASEL	SEDIMENT CONTROL, SILT FENCE	SEDIMENT CONTROL, SILT FENCE MAINTENANCE	EROSION CONTROL, TEMPORARY PIPE SLOPE DRAIN	
	KG	HA	SQ M	UNITS	KG	LITER	METER	METER	EACH	
RAMP G	121+050 TO 120+750	16	0.6	7123.6	230	66.1	1	111	111	2
	120+750 TO 120+500	0	0.1	597.0	19	6.6	0	0	0	0
	120+500 TO 120+250	0	0	316.9	10	3.5	0	0	0	0
	TOTAL	16	0.7	8038.0	260	77.0	1	111	111	2

SC-2

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)

SCHEDULE OF QUANTITIES

REVISIONS	
NAME	DATE

HORIZ SCALE:  
VERT SCALE:  
DATE: MARCH 23, 2005

DRAWN BY: SSH  
CHECKED BY: MAM





F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	13
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT #62854				

EARTHWORK SCHEDULE


LOCATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (TOPSOIL EXCAVATION)	EARTH EXCAVATION	TOTAL SUITABLE EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT (ADJUSTED FOR SHRINKAGE) 15%	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	
						CU. M.	CU. M.
RAMP G	120+135.85 TO 120+150.00	50	100	100	85	470	-385
	120+150.00 TO 120+175.00	100	350	350	300	1,200	-900
	120+175.00 TO 120+200.00	125	665	665	565	1,475	-910
	120+200.00 TO 120+225.00	125	490	490	415	1,825	-1,410
	120+225.00 TO 120+250.00	165	100	100	85	3,040	-2,955
	120+250.00 TO 120+275.00	190	25	25	20	4,600	-4,580
	120+275.00 TO 120+300.00	150	15	15	15	4,365	-4,350
	120+300.00 TO 120+324.00	110	0	0	0	3,460	-3,460
	SUB TOTAL	1,015	1,745	1,745	1,485	20,435	-18,950

	CUBIC METERS
EARTH EXCAVATION	1,745
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	1,015
FURNISHED EXCAVATION	17,980 *

\*EXCAVATION TO BE USED IN EMBANKMENT (ADJUSTED FOR SHRINKAGE) 15% APPLIED TOWARD FURNISHED EXCAVATION INCLUDES EXCAVATION FROM STA. 120+135.850 TO STA. 121+040.000

NOTE:  
RESTRICTED SOIL IS NOT TO BE CONSIDERED UNSUITABLE MATERIAL

SC-3

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
CTT	5/2/05	SCHEDULE OF QUANTITIES
DATE: March 23, 2005		DRAWN BY: TRK CHECKED BY: RCH
 <b>McDonough Associates Inc.</b> <small>Engineers / Architects</small>		

FAI RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	14
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

EARTHWORK SCHEDULE

LOCATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (TOPSOIL EXCAVATION)	EARTH EXCAVATION	STRUCTURE * EXCAVATION	TOTAL SUITABLE EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT (ADJ. FOR SHRINKAGE) 15% **	EMBANKMENT
	(CU M)	(CU M)	(CU M)	(CU M)	(CU M)	(CU M)
120+324.000 TO 120+400.000	0	0	86	86	73	0
120+400.000 TO 120+500.000	0	0	104	104	88	0
120+500.000 TO 120+600.000	0	0	307	307	261	0
120+600.000 TO 120+700.000	0	0	191	191	162	0
120+700.000 TO 120+800.000	0	0	302	302	257	0
120+800.000 TO 120+853.335	0	0	133	133	113	0
120+853.335 TO 120+878.800	346	0	0	0	0	4,191
120+878.800 TO 120+890.000	289	0	0	0	0	4,926
120+890.000 TO 120+900.000	277	0	0	0	0	5,195
120+900.000 TO 120+910.000	243	0	0	0	0	4,478
120+910.000 TO 120+920.000	209	0	0	0	0	3,811
120+920.000 TO 120+930.000	173	0	0	0	0	3,209
120+930.000 TO 120+940.000	143	0	0	0	0	2,665
120+940.000 TO 120+950.000	110	0	0	0	0	2,186
120+950.000 TO 120+960.000	77	0	0	0	0	1,758
120+960.000 TO 120+970.000	52	0	0	0	0	1,393
120+970.000 TO 120+980.000	35	0	0	0	0	1,086
120+980.000 TO 120+990.000	22	0	0	0	0	808
120+990.000 TO 121+000.000	15	6	0	6	5	565
121+000.000 TO 121+010.000	14	9	0	9	8	369
121+010.000 TO 121+020.000	11	3	0	3	3	239
121+020.000 TO 121+030.000	9	0	0	0	0	176
121+030.000 TO 121+040.000	7	0	0	0	0	141
SUB-TOTAL		2,032	18	1,123	970 **	37,196

	CUBIC METERS
EARTH EXCAVATION	18
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	2,032
STRUCTURE EXCAVATION *	1,123
POROUS GRANULAR EMBANKMENT	37,196

\* QUANTITY INCLUDES EXCAVATION AT PIERS ONLY

\*\* APPLIED TOWARD FURNISHED EXCAVATION ON PREVIOUS SHEET (SC-3)

SC-4

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)

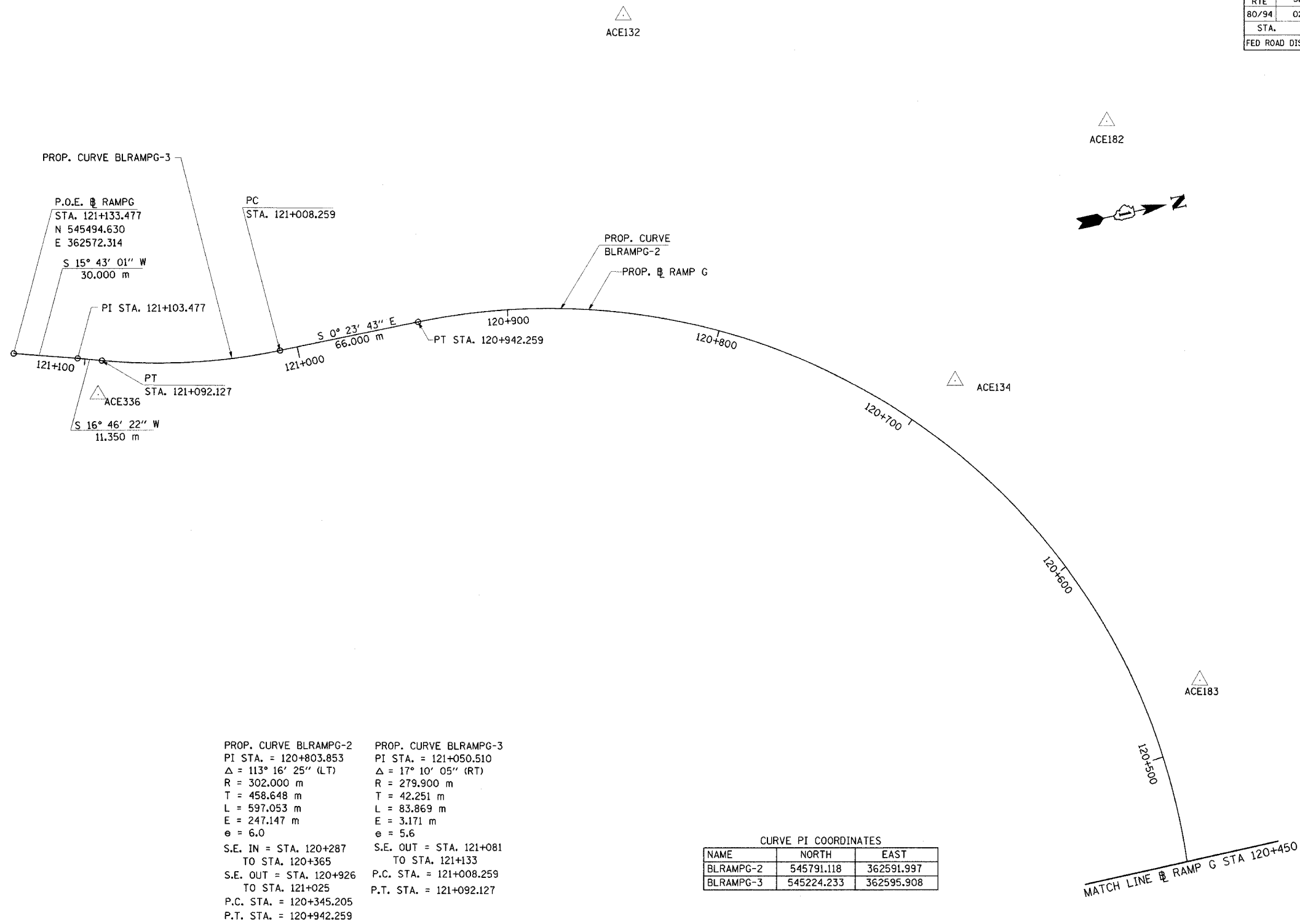
SCHEDULE OF QUANTITIES

REVISIONS	
NAME	DATE
JYMC	5/2/05

HORIZ SCALE:  
VERT SCALE:  
DATE: MARCH 23, 2005  
DRAWN BY: BJM  
CHECKED BY: BJM



FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	15
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



<p>PROP. CURVE BLRAMPG-2                  PI STA. = 120+803.853  <math>\Delta = 113^\circ 16' 25''</math> (LT)                  R = 302.000 m                  T = 458.648 m                  L = 597.053 m                  E = 247.147 m                  e = 6.0                  S.E. IN = STA. 120+287                  TO STA. 120+365                  S.E. OUT = STA. 120+926                  TO STA. 121+025                  P.C. STA. = 120+345.205                  P.T. STA. = 120+942.259</p>	<p>PROP. CURVE BLRAMPG-3                  PI STA. = 121+050.510  <math>\Delta = 17^\circ 10' 05''</math> (RT)                  R = 279.900 m                  T = 42.251 m                  L = 83.869 m                  E = 3.171 m                  e = 5.6                  S.E. OUT = STA. 121+081                  TO STA. 121+133                  P.C. STA. = 121+008.259                  P.T. STA. = 121+092.127</p>
--	--

NAME	NORTH	EAST
BLRAMPG-2	545791.118	362591.997
BLRAMPG-3	545224.233	362595.908

NAME	DATE

TB-1

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)

HORIZONTAL ALIGNMENT

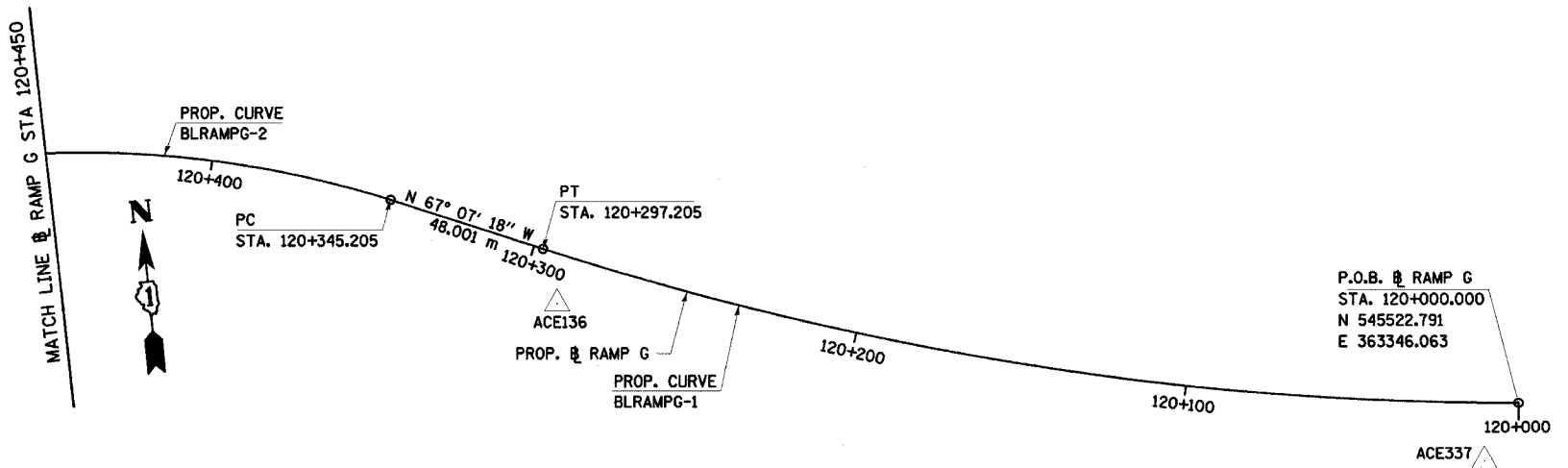
HORIZ SCALE: 1:1000  
 VERT SCALE: NONE  
 DATE: MARCH 23, 2005

DRAWN BY: BAJ/JYMC  
 CHECKED BY: JES

**HNTB**

NOTE:  
 COORDINATE DATA IS STATE PLANE

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	16
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CURVE PI COORDINATES

NAME	NORTH	EAST
BLRAMPG-1	545535.900	363196.820
BLRAMPG-2	545791.118	362591.997

<p>PROP. CURVE BLRAMPG-1                  PI STA. = 120+149.817  <math>\Delta = 17^\circ 51' 30.26''</math> (RT)                  R = 953.533 m                  T = 149.817 m                  L = 279.205 m                  E = 11.698 m                  e = 6.0                  P.C. STA. = 120+000.000                  P.T. STA. = 120+297.205</p>	<p>PROP. CURVE BLRAMPG-2                  PI STA. = 120+803.853  <math>\Delta = 113^\circ 16' 25''</math> (LT)                  R = 302.000 m                  T = 458.648 m                  L = 597.053 m                  E = 247.147 m                  e = 6.0                  S.E. OUT = STA. 121+926                  TO STA. 121+025                  P.C. STA. = 120+345.205                  P.T. STA. = 120+942.259</p>
--	---

TB-2

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)

HORIZONTAL ALIGNMENT

HORIZ SCALE: 1:1000  
 VERT SCALE: NONE  
 DATE: MARCH 23, 2005

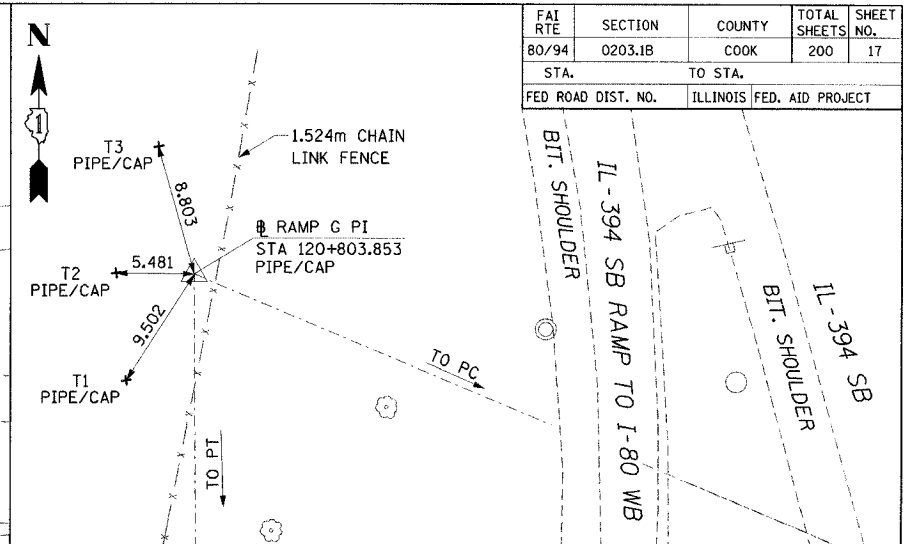
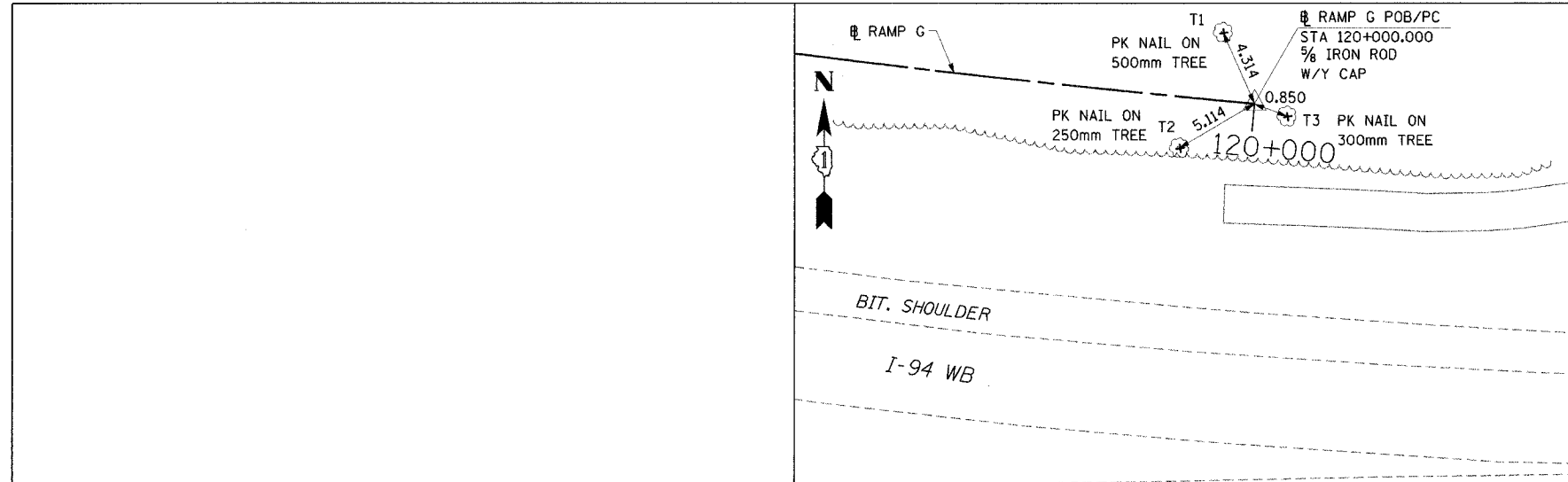
DRAWN BY: BAJ/JYMC  
 CHECKED BY: JES

REVISIONS	
NAME	DATE

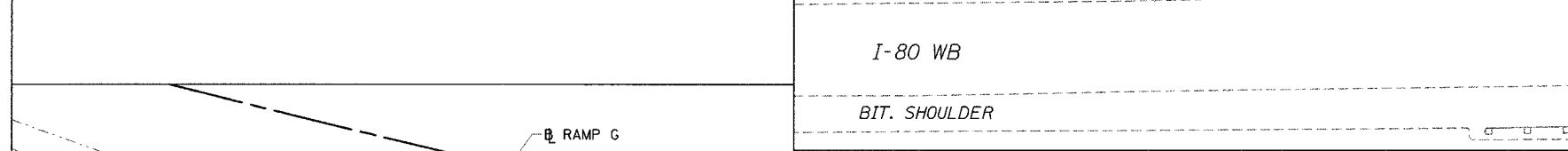
NOTE:  
 COORDINATE DATA IS STATE PLANE



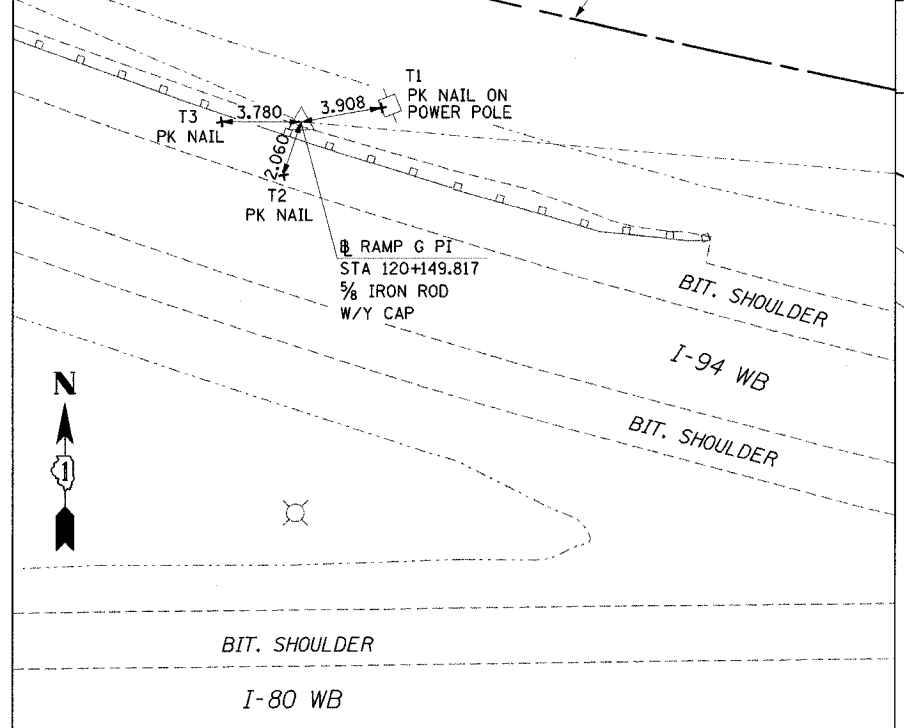
FBI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	17
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



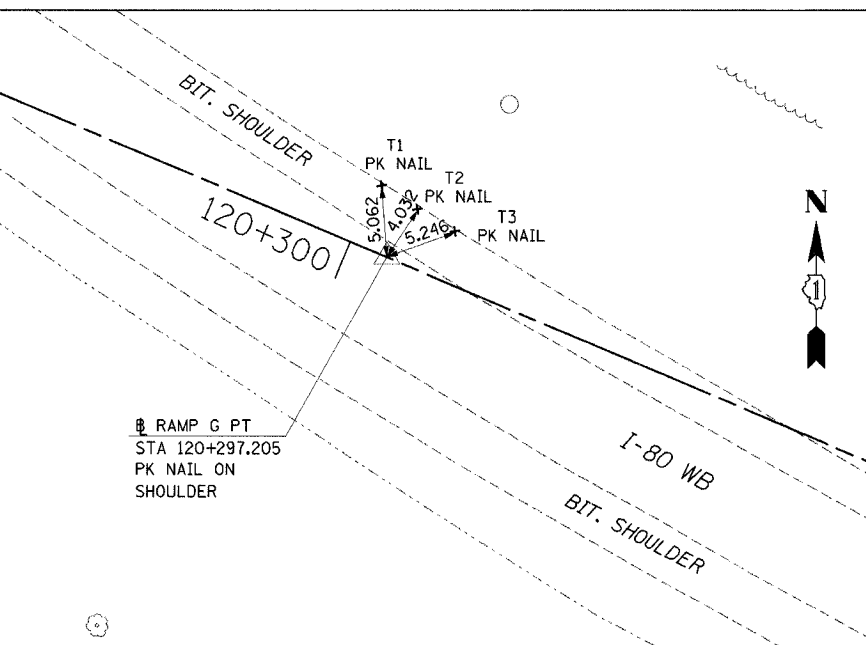
**RAMP G PI STA 120+803.853**  
 NORTHING: 545791.118 EASTING: 362591.997



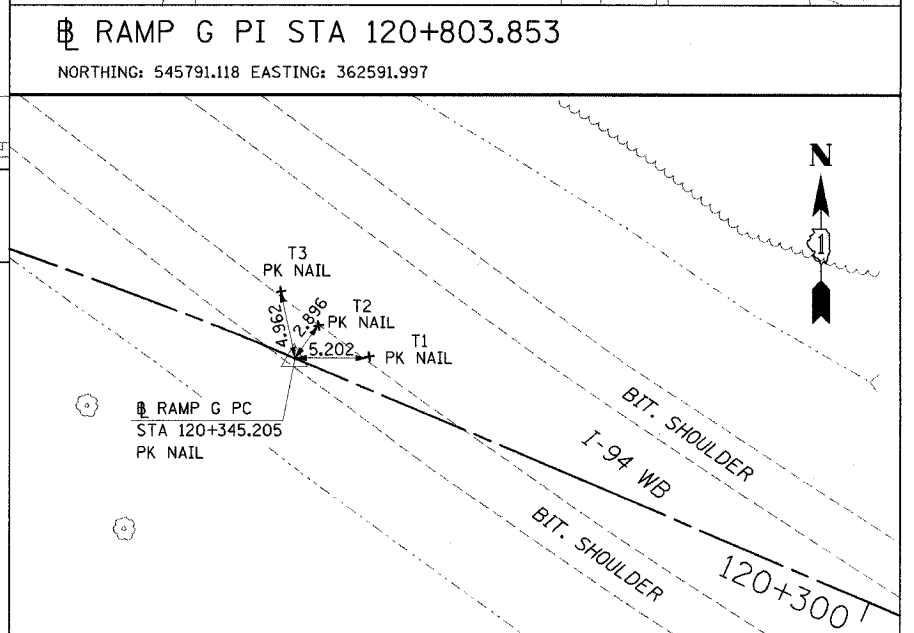
**RAMP G POB/PC STA 120+000.000**  
 NORTHING: 545522.791 EASTING: 363346.063



**RAMP G PI STA 120+149.817**  
 NORTHING: 545535.900 EASTING: 363196.820



**RAMP G PT STA 120+297.205**  
 NORTHING: 545594.145 EASTING: 363058.789



**RAMP G PC STA 120+345.205**  
 NORTHING: 545791.118 EASTING: 362591.997

NOTE:  
 ALL MEASUREMENTS ARE IN METERS (m)  
 UNLESS OTHERWISE NOTED.

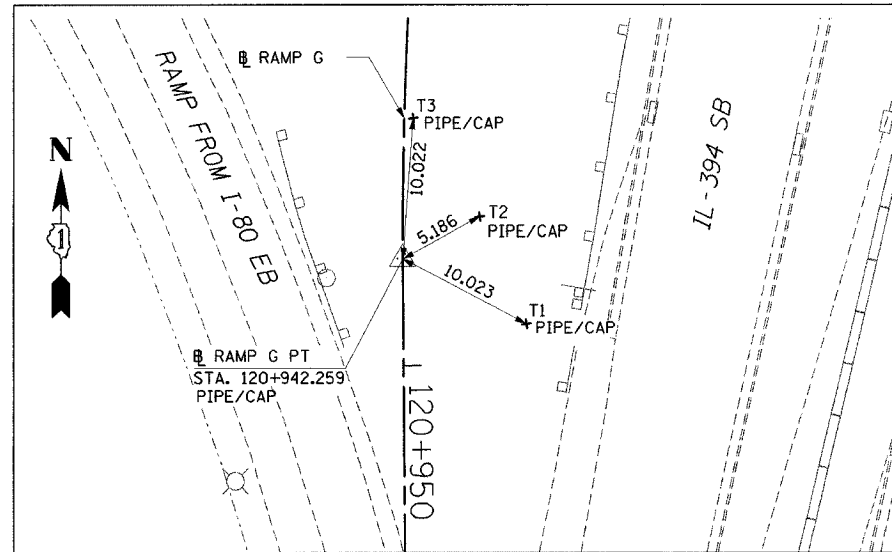
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)  
**ALIGNMENT TIES**  
 HORIZ SCALE: N.T.S.  
 VERT SCALE: N.T.S.  
 DATE: MARCH 23, 2005  
 DRAWN BY: BAJ/JYMC  
 CHECKED BY: JES

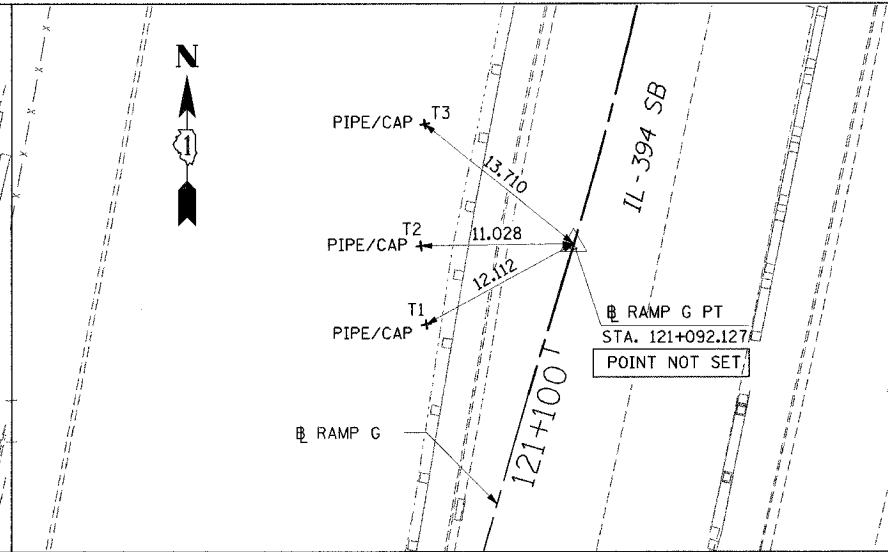


FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	18
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

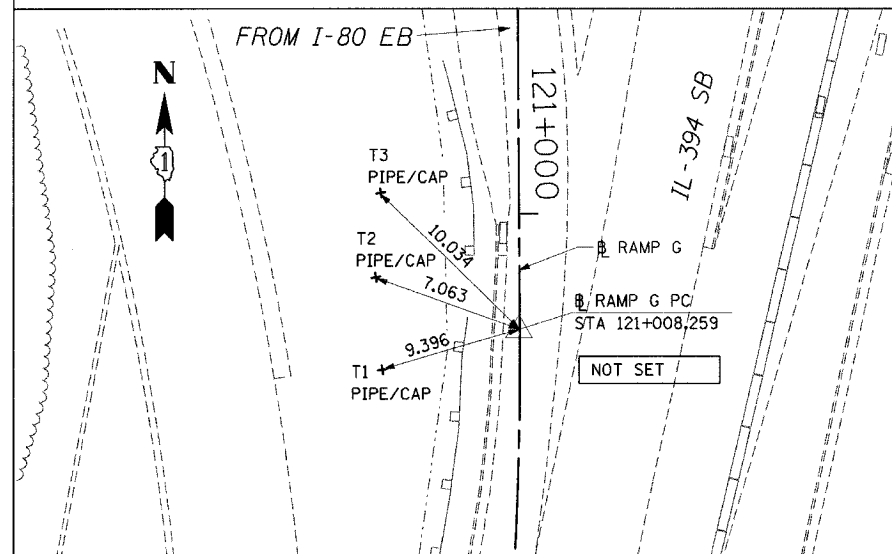
NOTE:  
ALL MEASUREMENTS ARE IN METERS (m)  
UNLESS OTHERWISE NOTED.



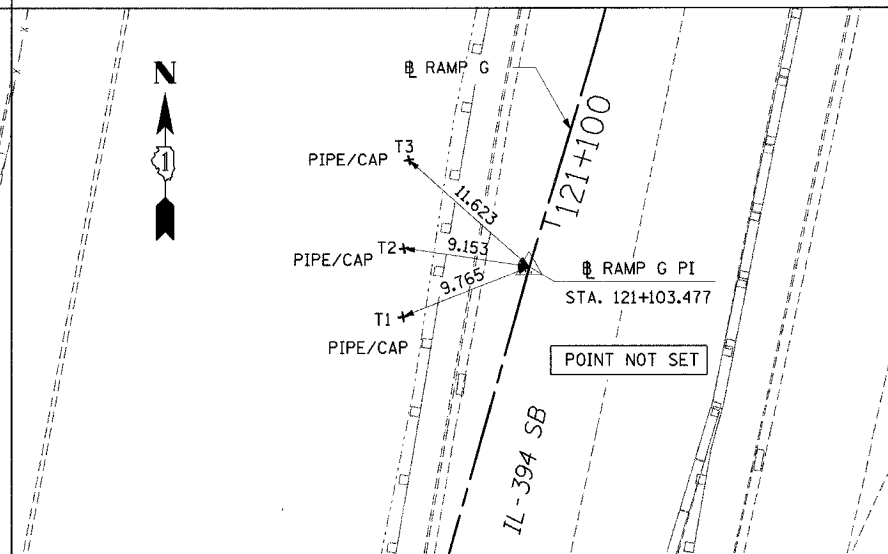
**RAMP G PT STA 120+942.259**  
NORTHING: 545332.481 EASTING: 362595.161



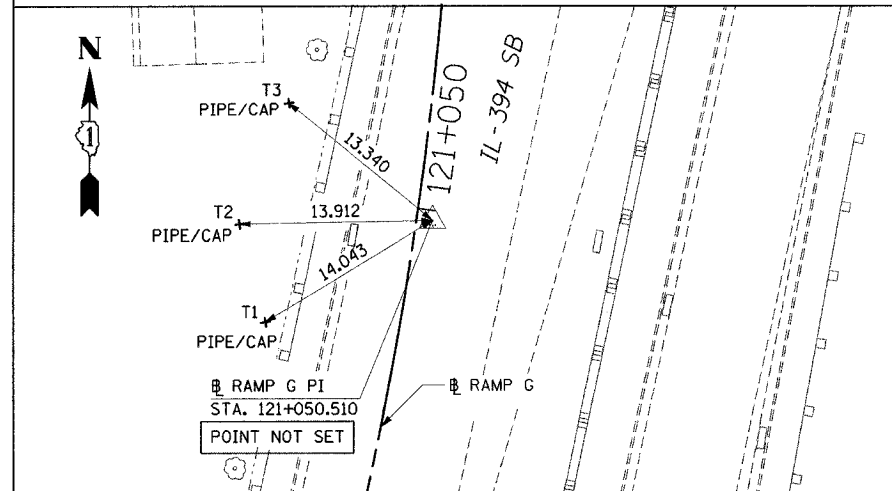
**RAMP G PT STA 121+092.127**  
NORTHING: 545183.779 EASTING: 362583.715



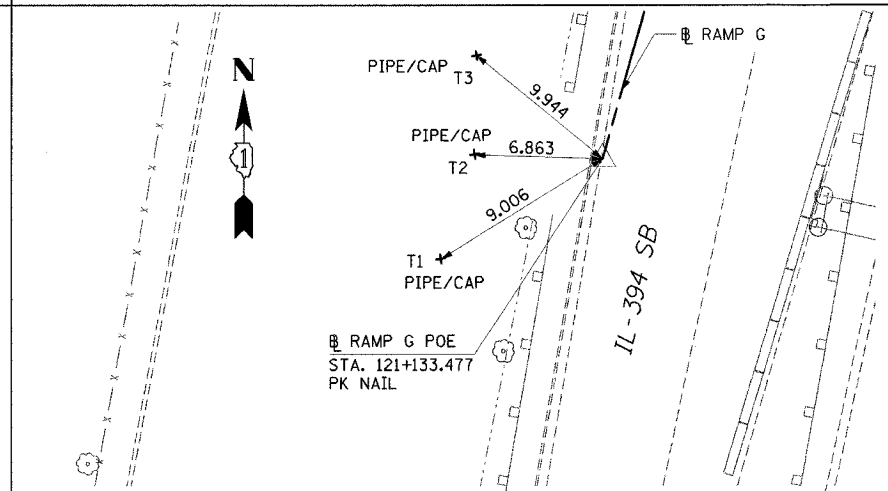
**RAMP G PC STA 121+008.259**  
NORTHING: 545266.483 EASTING: 362583.715



**RAMP G PI STA 121+103.477**  
NORTHING: 545172.912 EASTING: 362580.440



**RAMP G PI STA 121+050.510**  
NORTHING: 545224.233 EASTING: 362595.908



**RAMP G POE STA 121+133.477**  
NORTHING: 545144.034 EASTING: 362572.314

TB-4

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)

**ALIGNMENT TIES**

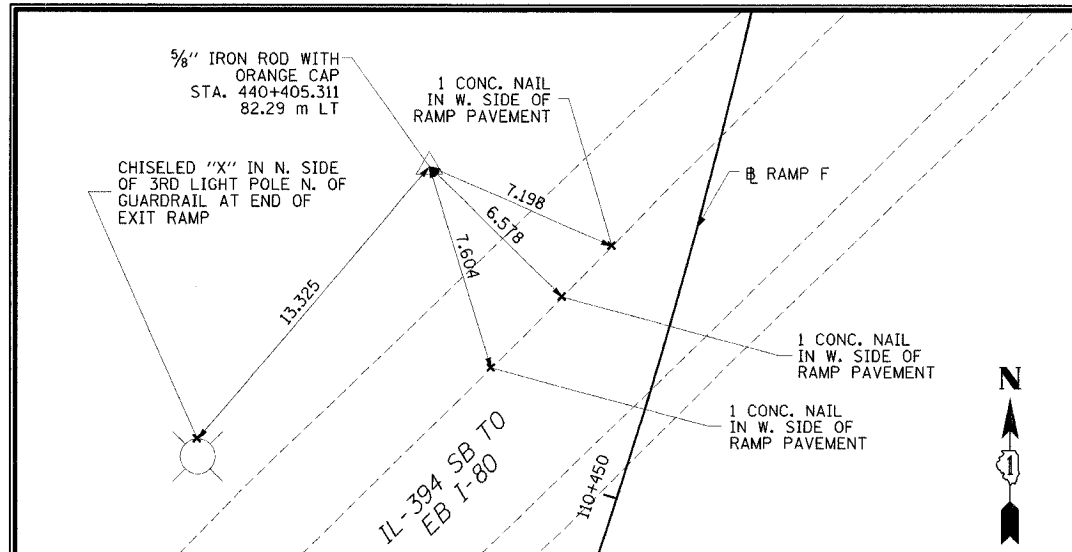
HORIZ SCALE: N.T.S.  
VERT SCALE:  
DATE: MARCH 23, 2005

DRAWN BY:BAJ/JYMC  
CHECKED BY:JES

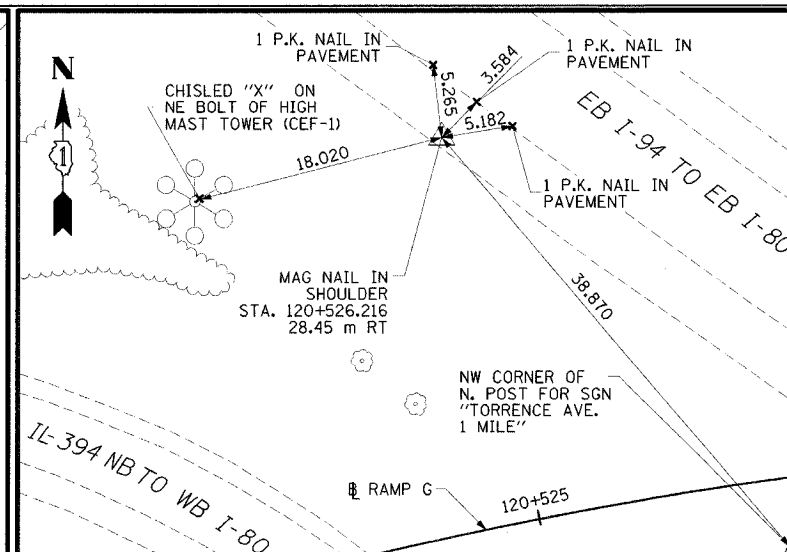


REVISIONS	
NAME	DATE

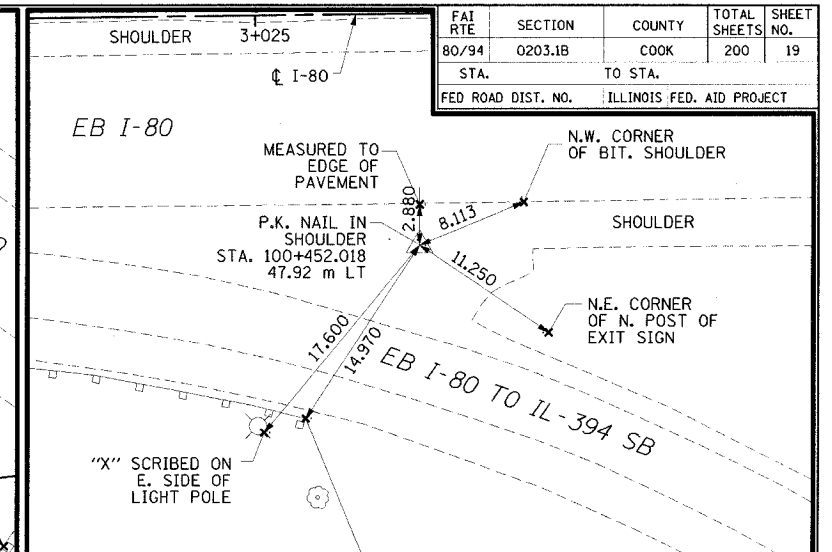
FBI	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	19
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



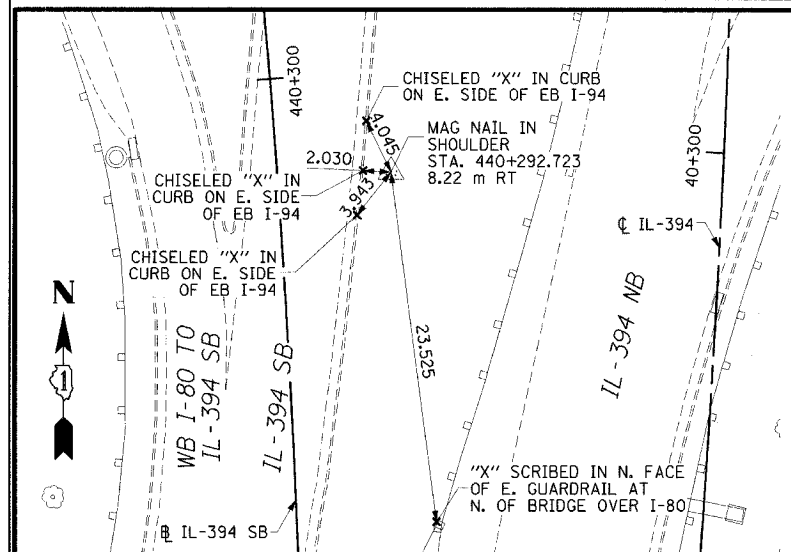
ACE #182 NORTHING: 545666.868 EASTING: 362567.130 ELEVATION = 184.343



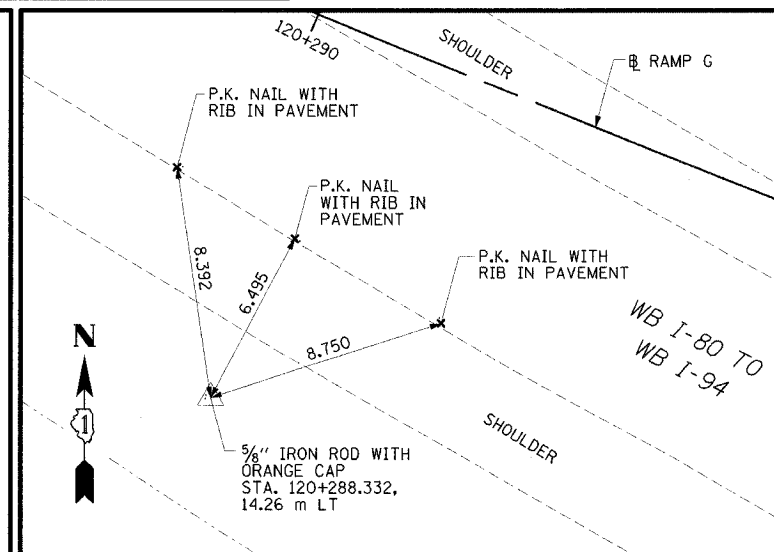
ACE #183 NORTHING: 545658.422 EASTING: 362831.481 ELEVATION = 183.454



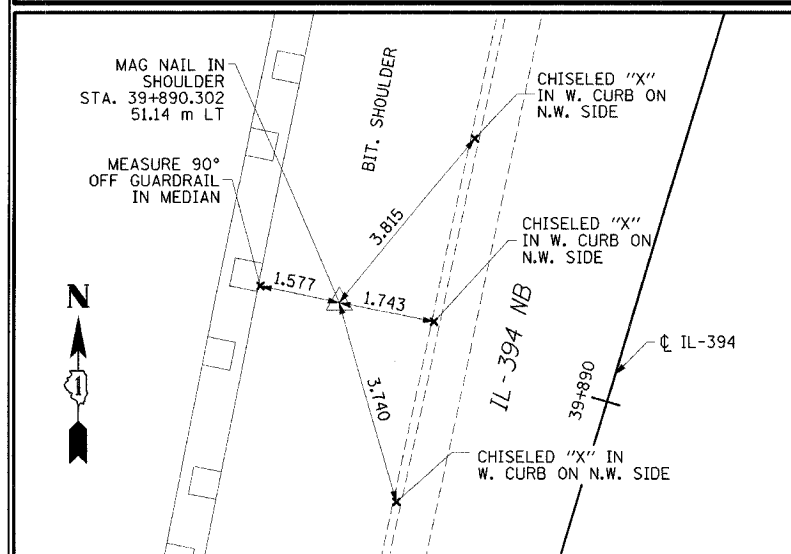
ACE #132 NORTHING: 545454.903 EASTING: 362473.445 ELEVATION = 187.920



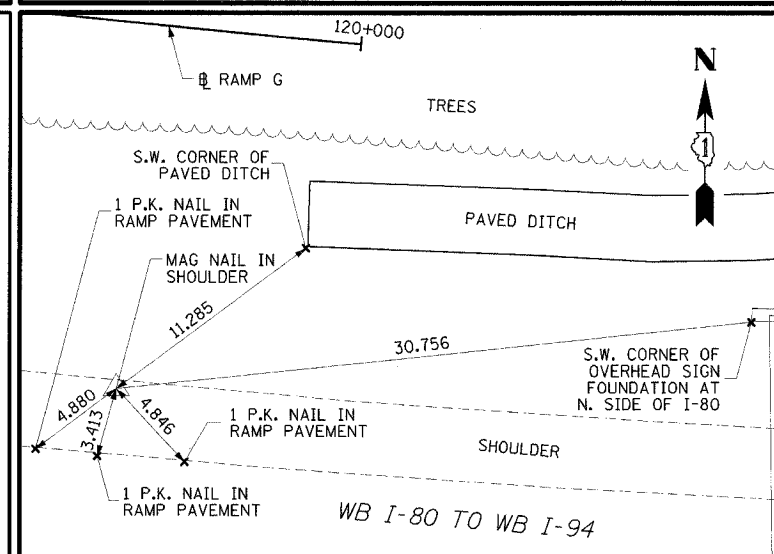
ACE #134 NORTHING: 545573.598 EASTING: 362671.837 ELEVATION = 189.826



ACE #136 NORTHING: 545577.549 EASTING: 363061.560 ELEVATION = 183.666



ACE #336 NORTHING: 545178.932 EASTING: 362599.066 ELEVATION = 196.004



ACE #337 NORTHING: 545506.297 EASTING: 363334.302 ELEVATION = 182.642

- NOTES:
1. ALL MEASUREMENTS ARE IN METERS (m) UNLESS OTHERWISE NOTED.
  2. ILLINOIS EAST ZONE STATE PLANE COORDINATES (NAD 83, 1986 ADJUSTMENT) ELEVATIONS (NAVD 88)

REVISIONS	
NAME	DATE

TB-5

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)

TIES

HORIZ SCALE: N.T.S.  
VERT SCALE: N.T.S.  
DATE: MARCH 23, 2005

DRAWN BY: JYMC  
CHECKED BY: JES

**HNTB**

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	20
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DESCRIPTION OF CRITICAL ITEMS	2005												2006											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	CONSTRUCTION LAYOUT									██████████														
TREE REMOVAL									██████████															
EROSION AND SEDIMENT CONTROL									██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
EXISTING RAMP E PAVEMENT BREAKING/REMOVAL									██████████															
MAINTENANCE OF TRAFFIC									██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
TRAFFIC STAGING									██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
RAMP G BRIDGE									██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
TEMPORARY SOIL RETENTION SYSTEM (REMAIN IN PLACE)									██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
WICK DRAINS									██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
EMBANKMENT FOR WEST ABUTMENT*									██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
EMBANKMENT FOR EAST ABUTMENT**									██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
PIERS 2,3,4,5									██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
EAST ABUTMENT									██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
PIER 1									██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
ERECT STEEL									██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
PIERS 6,7,8									██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
WEST ABUTMENT*									██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
PLACE DECK									██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
FINAL PAVEMENT MARKINGS									██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
RAMP G PAVEMENT									██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████

NOTE: SCHEDULE BASED ON MULTIPLE CREWS PER OPERATION

- EMBANKMENT AT WEST ABUTMENT MUST BE PLACED BY DECEMBER 5, 2005 AND ALLOWED TO SETTLE UNTIL JUNE 6, 2006. THE WEST ABUTMENT PILES CANNOT BE INSTALLED BEFORE JUNE 6, 2006.  
A PORTION OF THE WEST ABUTMENT EMBANKMENT CANNOT BE CONSTRUCTED UNTIL THE PROPOSED I-80 EB TO IL-394 SB RAMP (CONTRACT 62107) IS OPEN TO TRAFFIC.
- \*\* A PORTION OF THE EMBANKMENT FOR THE EAST ABUTMENT CANNOT BE CONSTRUCTED UNTIL THE EXISTING PUMP STATION IS NO LONGER REQUIRED FOR DRAINAGE AND HAS BEEN REMOVED BY OTHERS. COORDINATE WITH OTHER CONTRACTS.

LEGEND

CONTROLLING ITEM ██████████  
NON-CONTROLLING ITEM ██████████

REVISIONS	
NAME	DATE
JYMC	4/29/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)

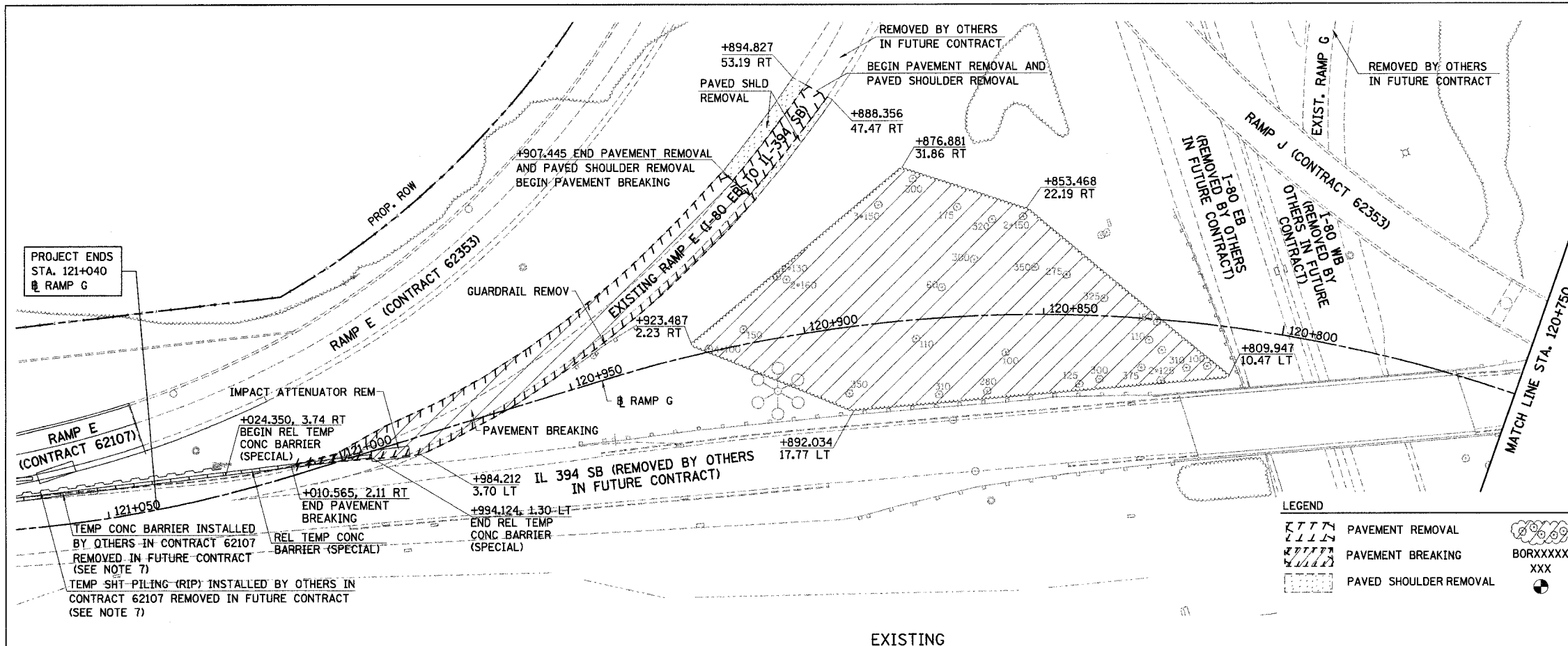
SUGGESTED  
CONSTRUCTION SEQUENCING

HORIZ SCALE: NONE  
VERT SCALE: NONE  
DATE: MARCH 23, 2005  
DRAWN BY: STS/BJM  
CHECKED BY: JES



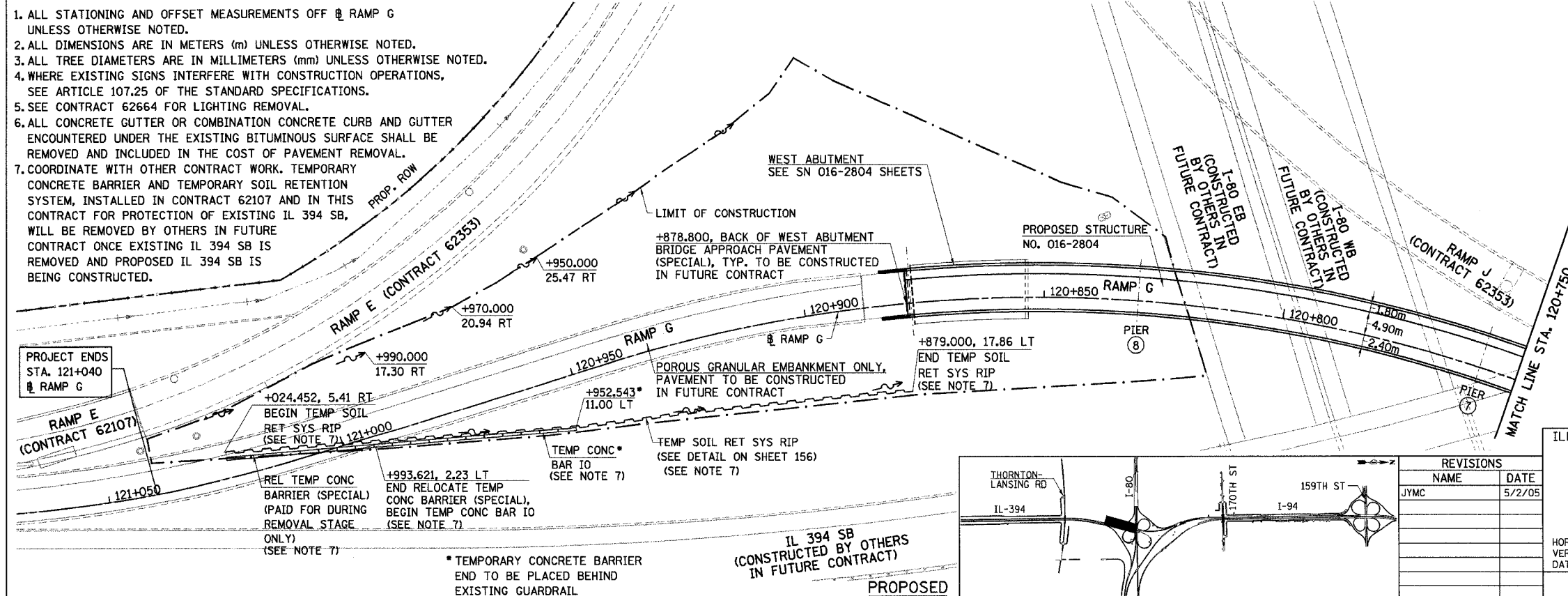


FBI	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	21
STA. 121+050		TO STA. 120+750		
FED ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT



NOTES:

1. ALL STATIONING AND OFFSET MEASUREMENTS OFF RAMP G UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE IN METERS (m) UNLESS OTHERWISE NOTED.
3. ALL TREE DIAMETERS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.
4. WHERE EXISTING SIGNS INTERFERE WITH CONSTRUCTION OPERATIONS, SEE ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
5. SEE CONTRACT 62664 FOR LIGHTING REMOVAL.
6. ALL CONCRETE GUTTER OR COMBINATION CONCRETE CURB AND GUTTER ENCOUNTERED UNDER THE EXISTING BITUMINOUS SURFACE SHALL BE REMOVED AND INCLUDED IN THE COST OF PAVEMENT REMOVAL.
7. COORDINATE WITH OTHER CONTRACT WORK. TEMPORARY CONCRETE BARRIER AND TEMPORARY SOIL RETENTION SYSTEM, INSTALLED IN CONTRACT 62107 AND IN THIS CONTRACT FOR PROTECTION OF EXISTING IL 394 SB, WILL BE REMOVED BY OTHERS IN FUTURE CONTRACT ONCE EXISTING IL 394 SB IS REMOVED AND PROPOSED IL 394 SB IS BEING CONSTRUCTED.



PROJECT ENDS STA. 121+040 RAMP G

RAMP E (CONTRACT 62107)

RAMP G

RAMP J (CONTRACT 62353)

MATCH LINE STA. 120+750

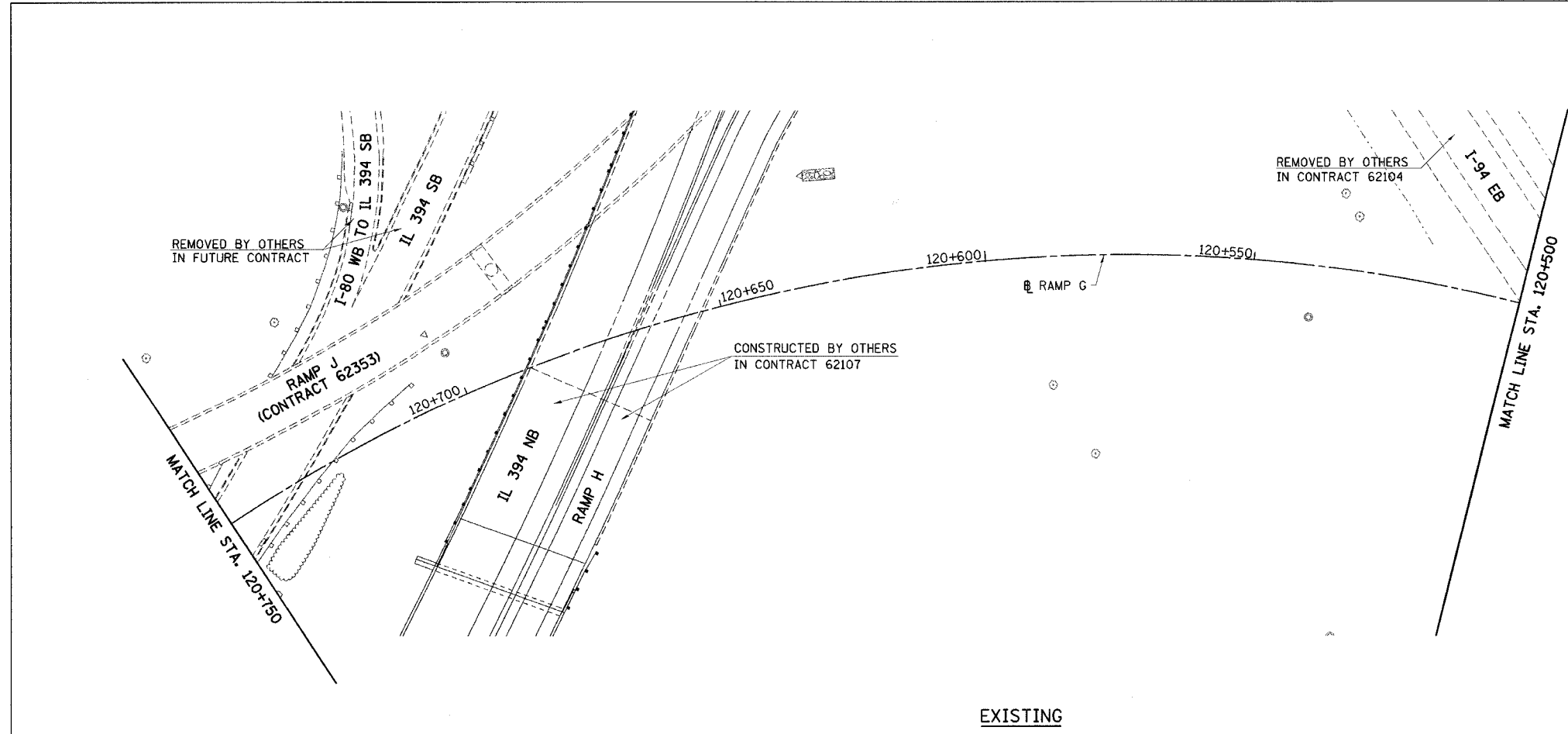
REVISIONS	
NAME	DATE
JYMC	5/2/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)  
**EXISTING AND PROPOSED PLAN**  
**RAMP G**  
 STA. 121+050 TO STA. 120+750

HORIZ SCALE: 1:500  
 VERT SCALE:  
 DATE: MARCH 23, 2005  
 DRAWN BY: JYMC  
 CHECKED BY: JES

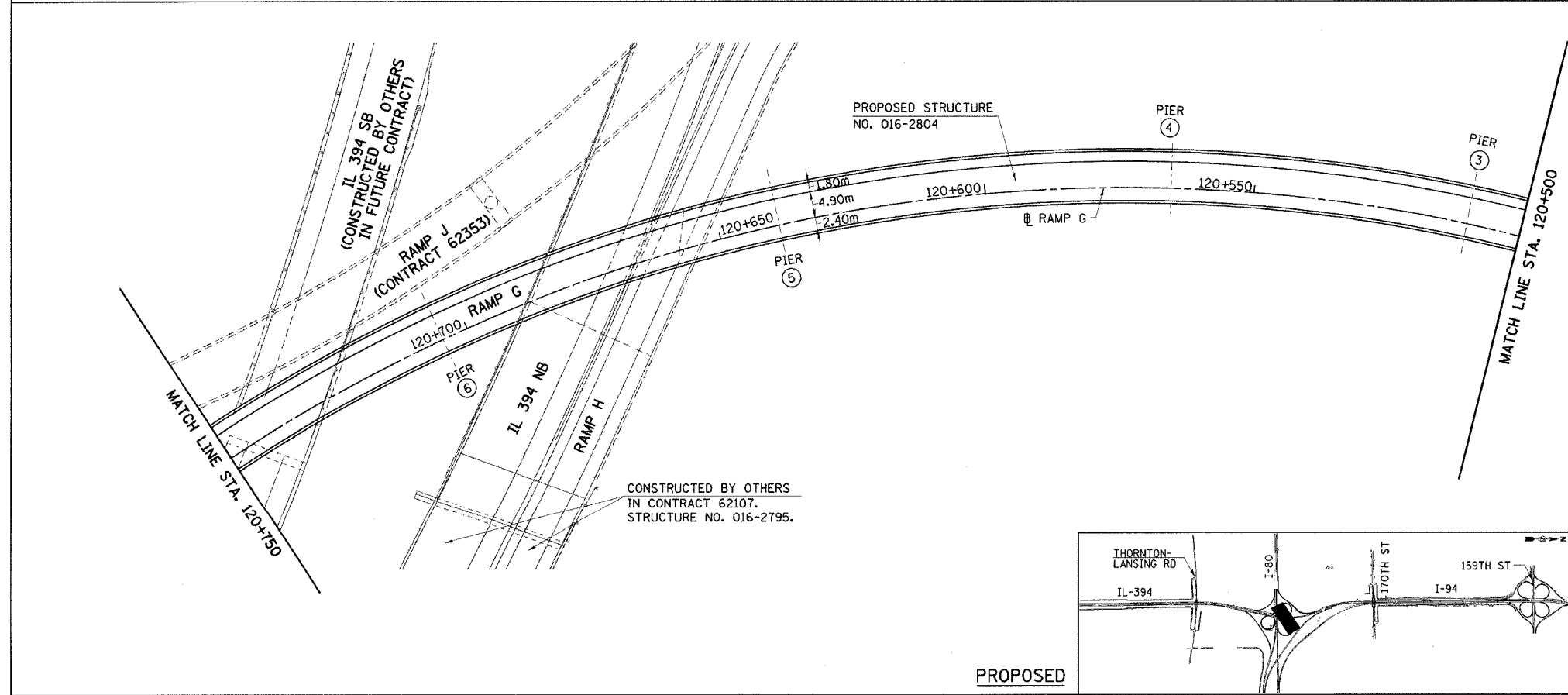
HNTB

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	22
STA.	120+750	TO STA.	120+500	
FED ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



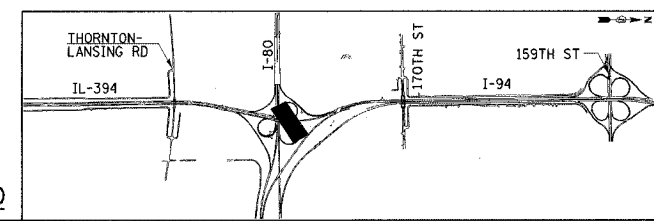
LEGEND

	PAVEMENT REMOVAL
	PAVEMENT BREAKING
	PAVED SHOULDER REMOVAL
	TREE REMOVAL HECTARES
	SOIL BORING / PAVEMENT CORE NUMBER
	ASPHALT PAVEMENT THICKNESS (MM)
	UNLESS OTHERWISE NOTED
	BORING / CORE



- NOTES:
1. ALL STATIONING AND OFFSET MEASUREMENTS OFF RAMP G UNLESS OTHERWISE NOTED.
  2. ALL DIMENSIONS ARE IN METERS (m) UNLESS OTHERWISE NOTED.
  3. ALL TREE DIAMETERS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.
  4. WHERE EXISTING SIGNS INTERFERE WITH CONSTRUCTION OPERATIONS, SEE ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
  5. SEE CONTRACT 62664 FOR LIGHTING REMOVAL.
  6. ALL CONCRETE GUTTER OR COMBINATION CONCRETE CURB AND GUTTER ENCOUNTERED UNDER THE EXISTING BITUMINOUS SURFACE SHALL BE REMOVED AND INCLUDED IN THE COST OF PAVEMENT REMOVAL.

PF-2



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)  
**EXISTING AND PROPOSED PLAN**  
**RAMP G**  
 STA. 120+750 TO STA. 120+500

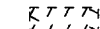
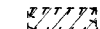
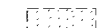


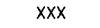


HORIZ SCALE: 1:500  
 VERT SCALE:  
 DATE: MARCH 23, 2005

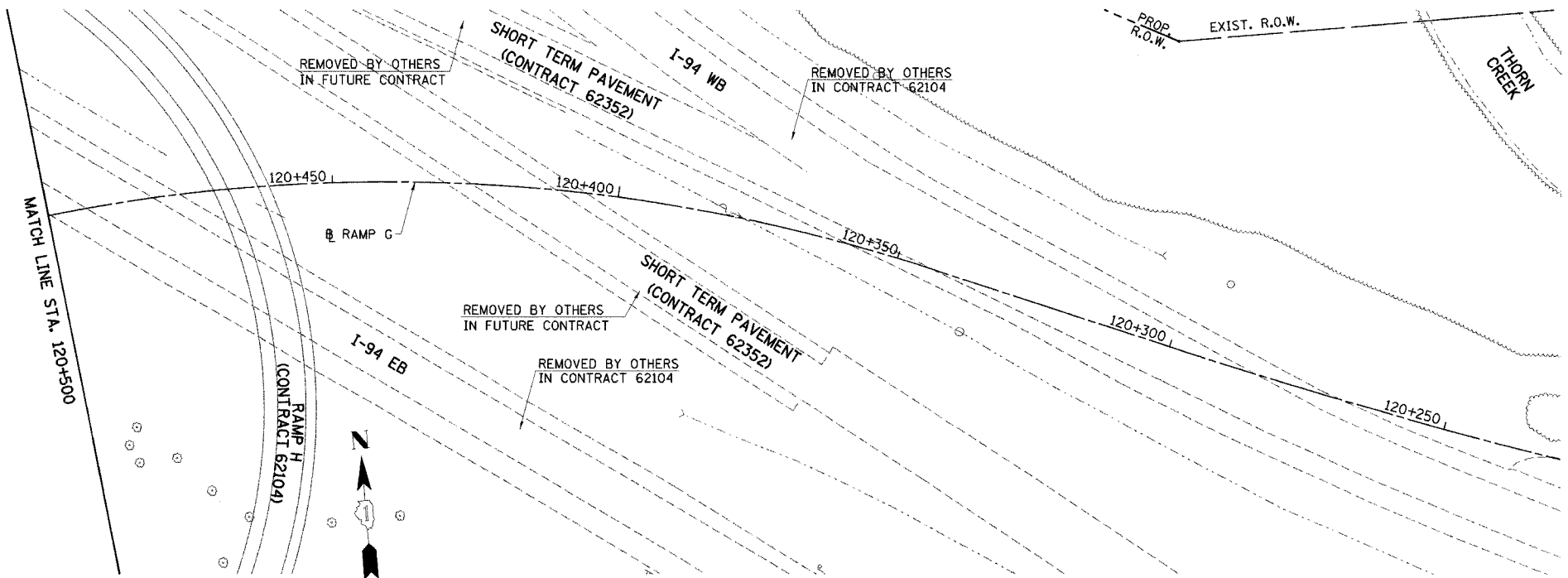
DRAWN BY: JYMC  
 CHECKED BY: JES

**HNTB**

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	23
STA.	120+500	TO STA.	120+250	
FED ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

LEGEND

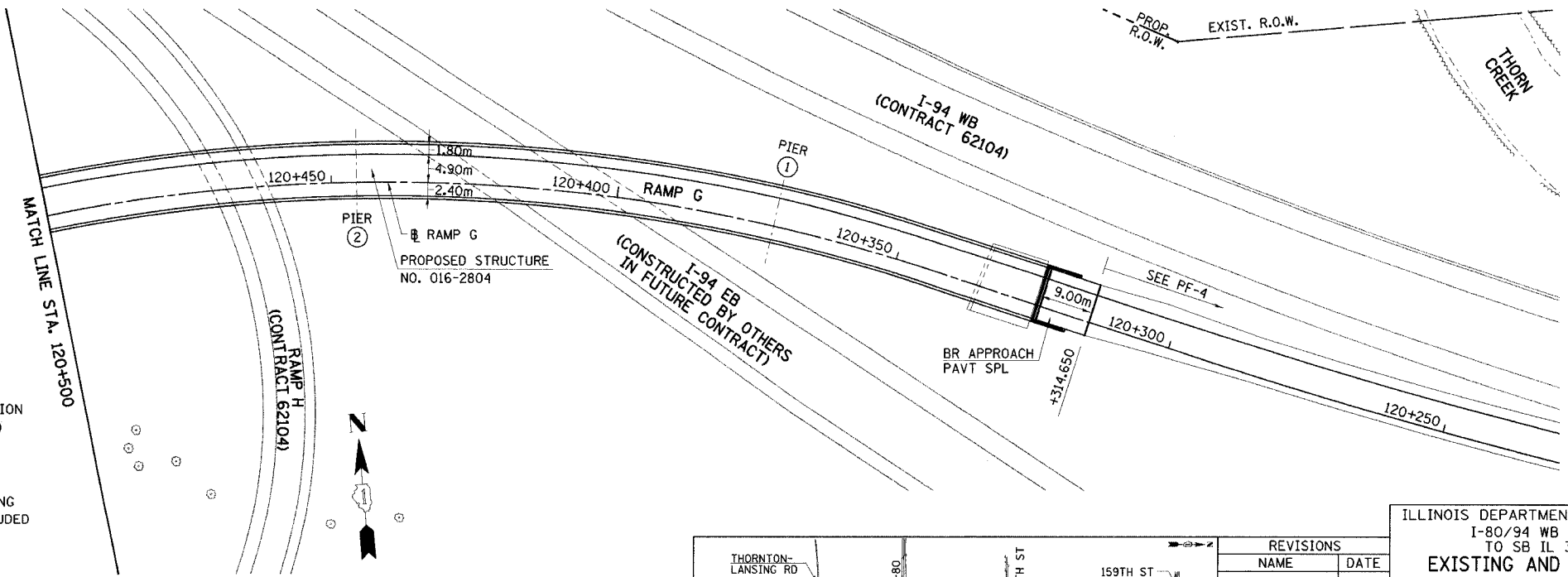
-  PAVEMENT REMOVAL
-  PAVEMENT BREAKING
-  PAVED SHOULDER REMOVAL
-  TREE REMOVAL HECTARES
-  SOIL BORING / PAVEMENT CORE NUMBER
-  ASPHALT PAVEMENT THICKNESS (MM)
-  UNLESS OTHERWISE NOTED
-  BORING / CORE



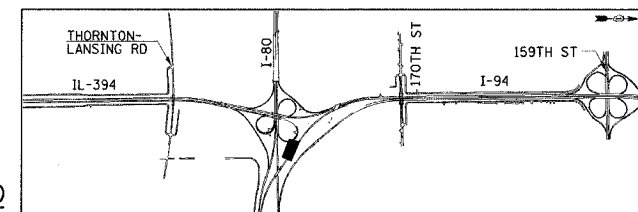
EXISTING

NOTES:

1. ALL STATIONING AND OFFSET MEASUREMENTS OFF RAMP G UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE IN METERS (m) UNLESS OTHERWISE NOTED.
3. ALL TREE DIAMETERS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.
4. WHERE EXISTING SIGNS INTERFERE WITH CONSTRUCTION OPERATIONS, SEE ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
5. SEE CONTRACT 62664 FOR LIGHTING REMOVAL.
6. ALL CONCRETE GUTTER OR COMBINATION CONCRETE CURB AND GUTTER ENCOUNTERED UNDER THE EXISTING BITUMINOUS SURFACE SHALL BE REMOVED AND INCLUDED IN THE COST OF PAVEMENT REMOVAL.



PROPOSED



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)  
**EXISTING AND PROPOSED PLAN**  
**RAMP G**  
**STA. 120+500 TO STA. 120+250**

HORIZ SCALE: 1:500  
 VERT SCALE:                        
 DATE: MARCH 23, 2005

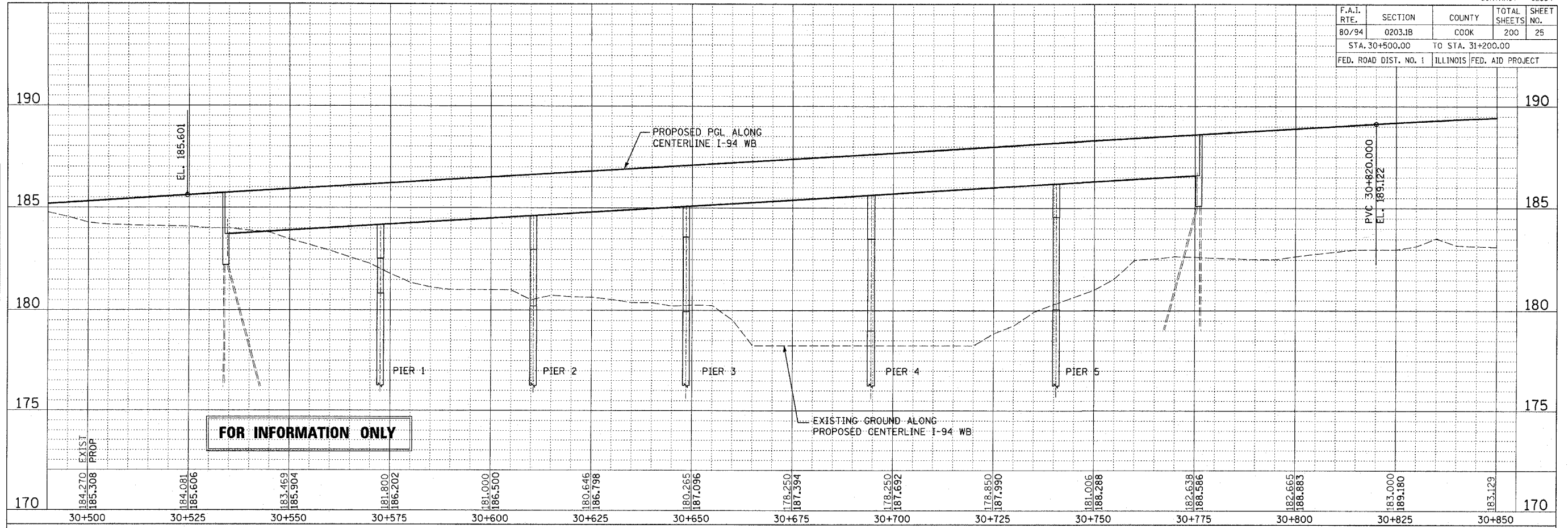
DRAWN BY: JYMC  
 CHECKED BY: JES

**HNTB**

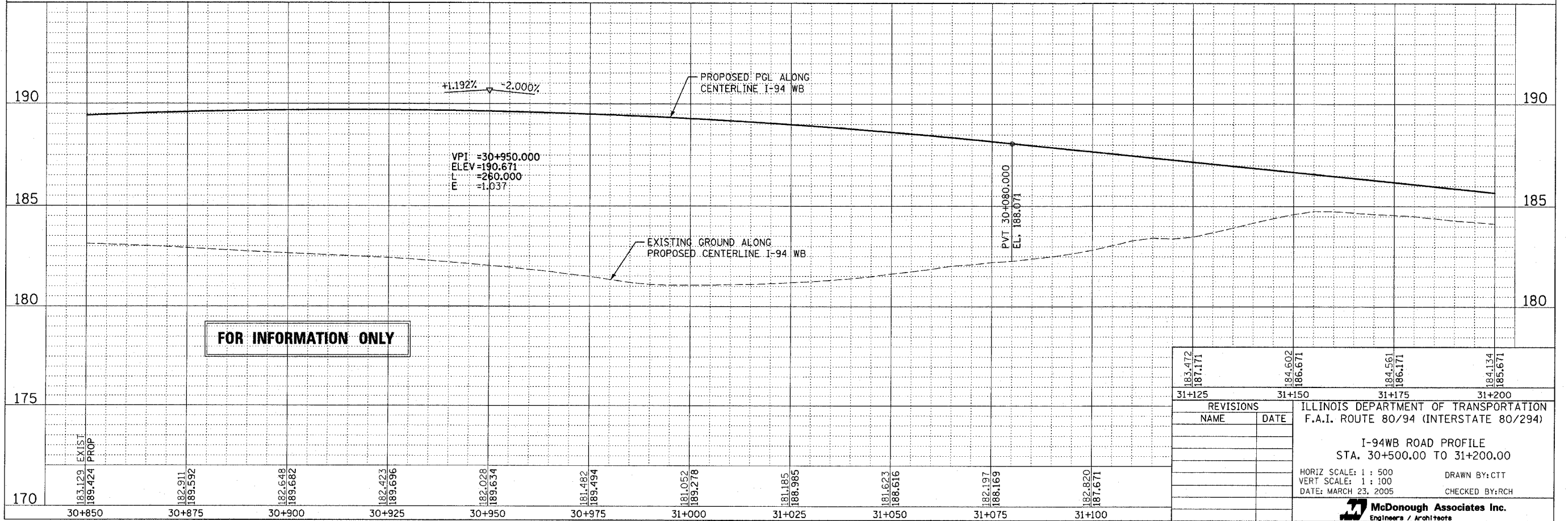


F.A.I. RTE. 80/94	SECTION 0203.1B	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 25
STA. 30+500.00		TO STA. 31+200.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

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



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

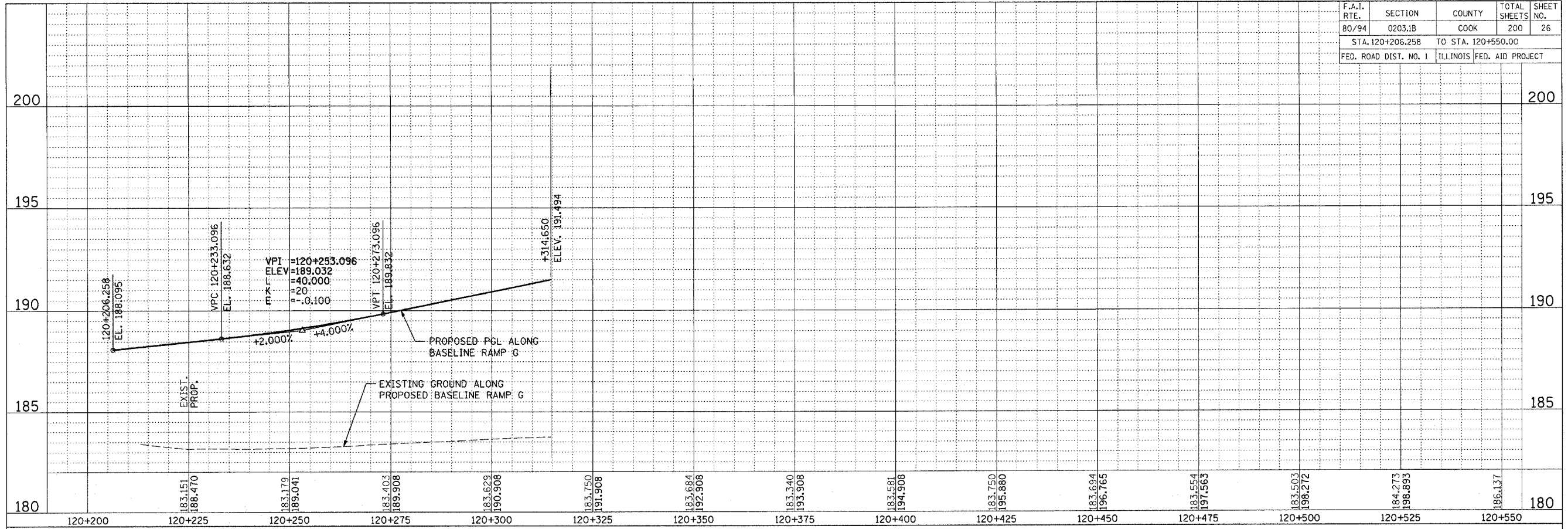


183.472 187.171	31+125	184.602 186.671	31+150	184.561 186.171	31+175	184.134 185.671	31+200
REVISIONS							
NAME		DATE		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)			
I-94WB ROAD PROFILE STA. 30+500.00 TO 31+200.00							
HORIZ SCALE: 1 : 500				DRAWN BY: CTT			
VERT SCALE: 1 : 100				CHECKED BY: RCH			
DATE: MARCH 23, 2005							
 McDonough Associates Inc. Engineers / Architects							

CONTRACT 28047-0000-000 3/23/2005 3:05:24 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	26
STA. 120+206.258		TO STA. 120+550.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

FINAL SURVEY PLOTTED	BY	DATE
NOTE BOOK TEMPLATE		
AREAS CHECKED		
NO.		



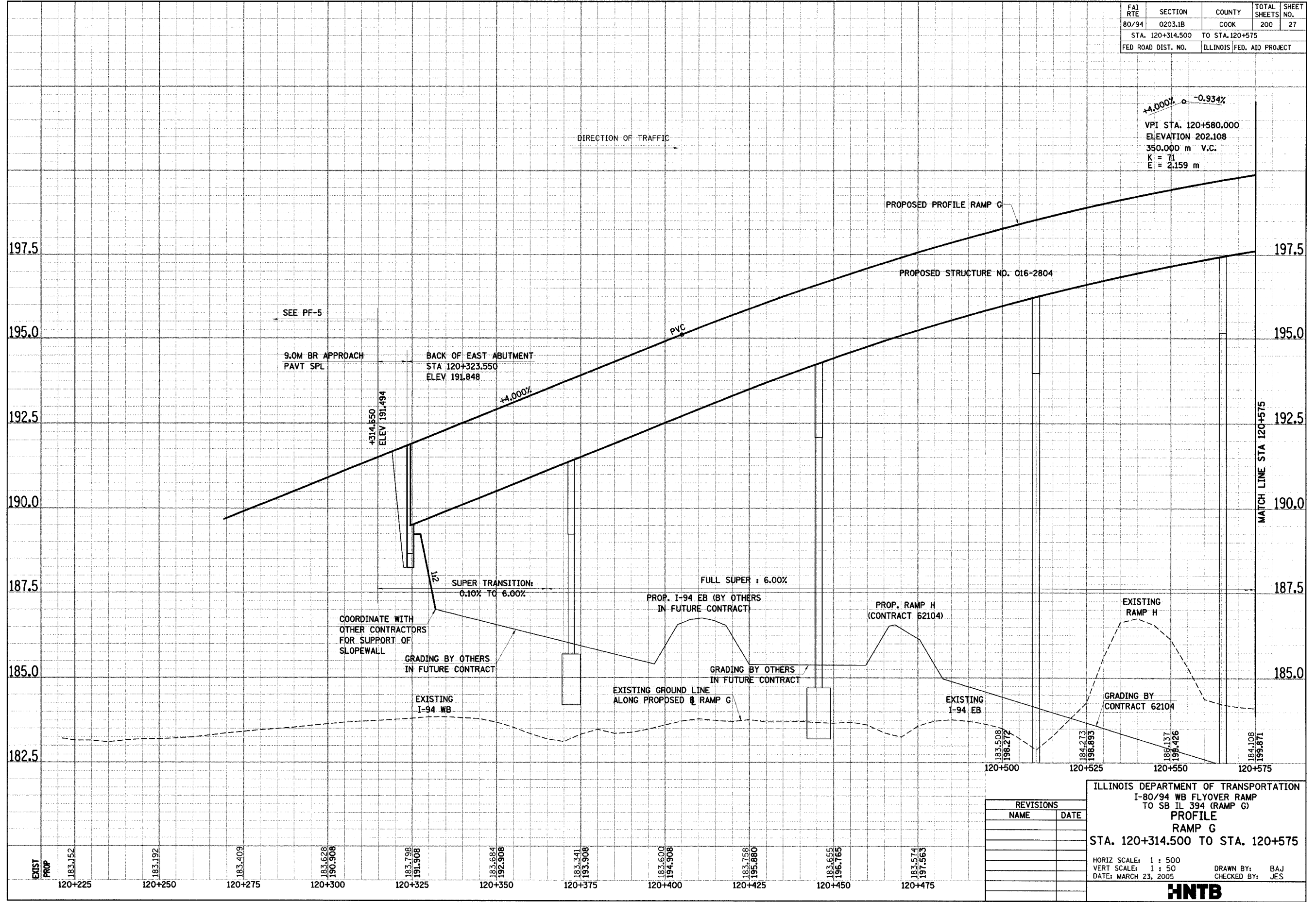
ORIGINAL SURVEY PLOTTED	BY	DATE
NOTE BOOK TEMPLATE		
AREAS CHECKED		
NO.		

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		RAMP G ROAD PROFILE STA. 120+206.26 TO 120+550.00 HORIZ SCALE: 1 : 500 VERT SCALE: 1 : 100 DATE: MARCH 23, 2005 DRAWN BY: CTT CHECKED BY: RCH
McDonough Associates Inc. Engineers / Architects		PF-6

Contract 28002005a.dgn 3/23/2005 3:04:41 PM



FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	27
STA. 120+314.500 TO STA. 120+575				
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



REVISIONS	
NAME	DATE

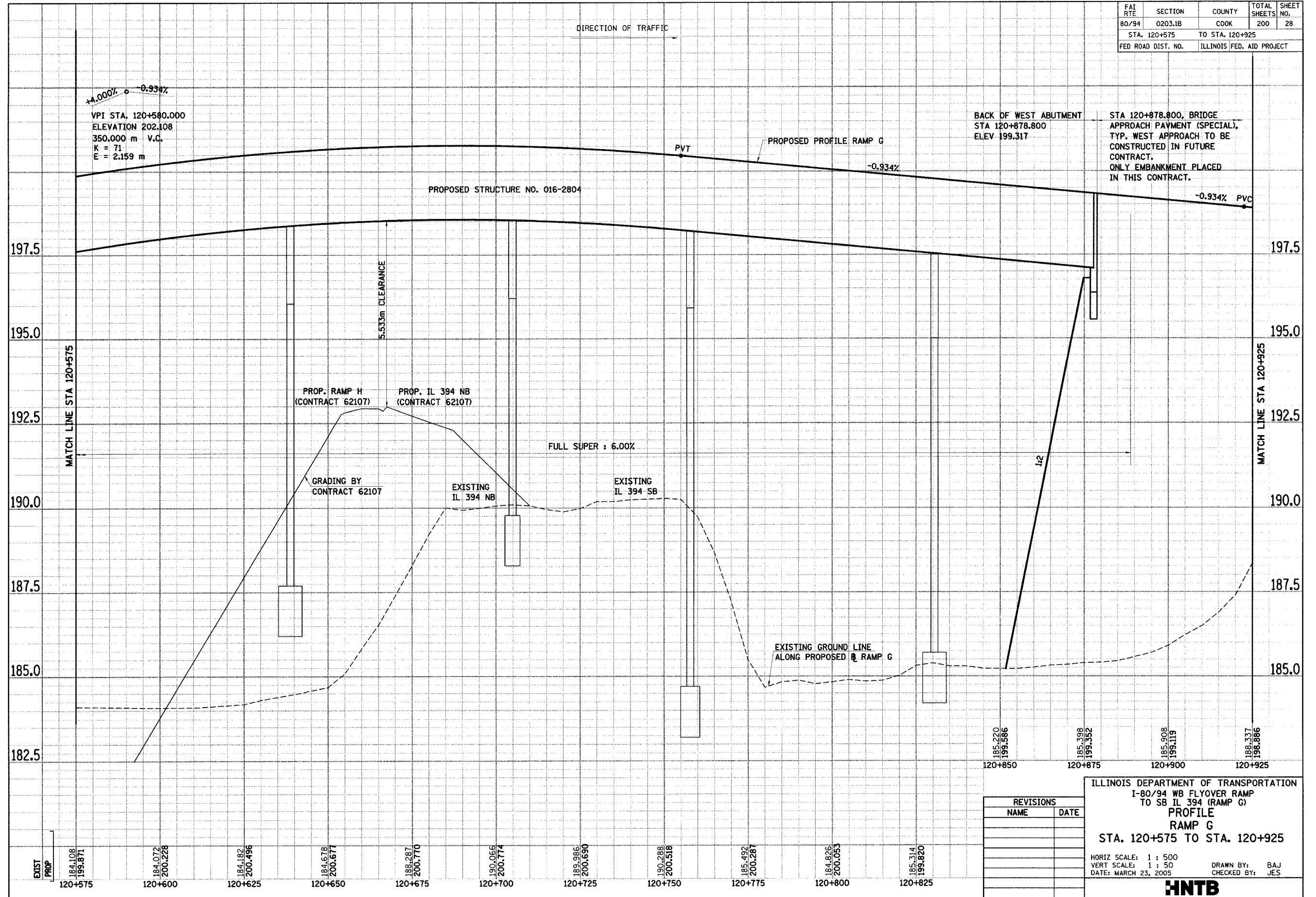
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)  
**PROFILE RAMP G**  
 STA. 120+314.500 TO STA. 120+575

HORIZ SCALE: 1 : 500  
 VERT SCALE: 1 : 50  
 DATE: MARCH 23, 2005

DRAWN BY: BAJ  
 CHECKED BY: JES

**HNTB**

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	28
STA. 120+575		TO STA. 120+925		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)  
**PROFILE**  
**RAMP G**  
 STA. 120+575 TO STA. 120+925

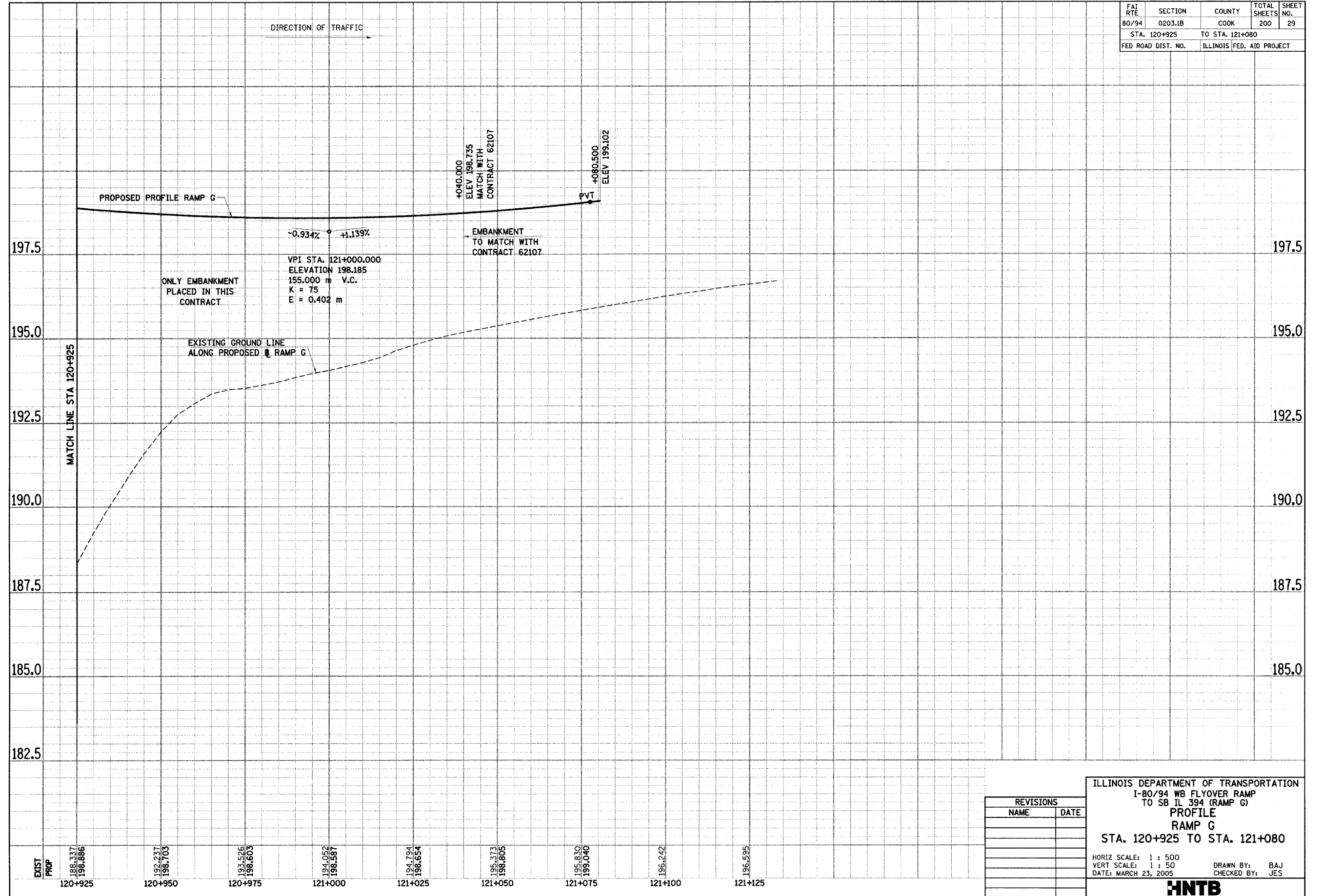
HORIZ SCALE: 1 : 500  
 VERT SCALE: 1 : 50  
 DATE: MARCH 23, 2005

DRAWN BY: BAJ  
 CHECKED BY: JES

**HNTB**



FBI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	29
STA. 120+925		TO STA. 121+080		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)  
**PROFILE**  
RAMP G  
STA. 120+925 TO STA. 121+080

HORIZ SCALE: 1 : 500  
VERT SCALE: 1 : 50  
DATE: MARCH 23, 2005

DRAWN BY: BAJ  
CHECKED BY: JES

**HNTB**

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	30
STA. 121+050 TO STA. 120+750		ILLINOIS FED. AID PROJECT		

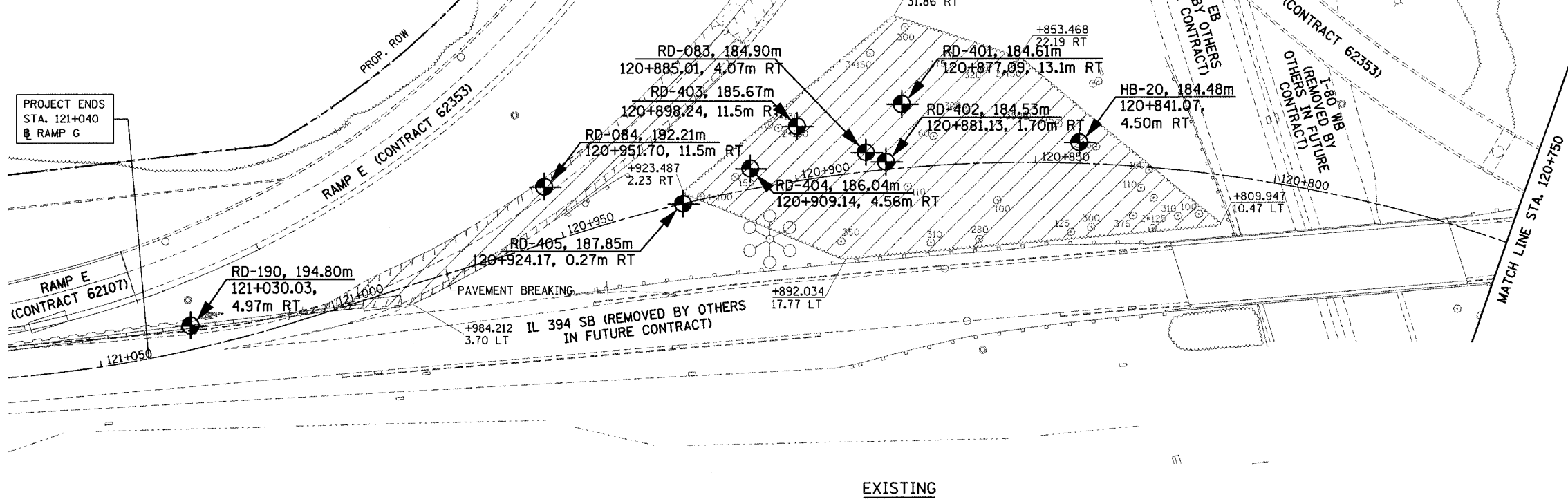
**F.A.I. 80/94 (KINGERY EXPRESSWAY) SOIL PROFILE**  
 ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY

HORIZ SCALE: 1:20  
 VERT SCALE: 1:10

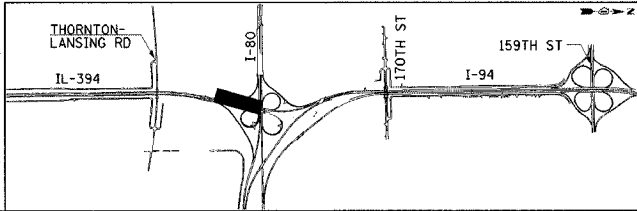
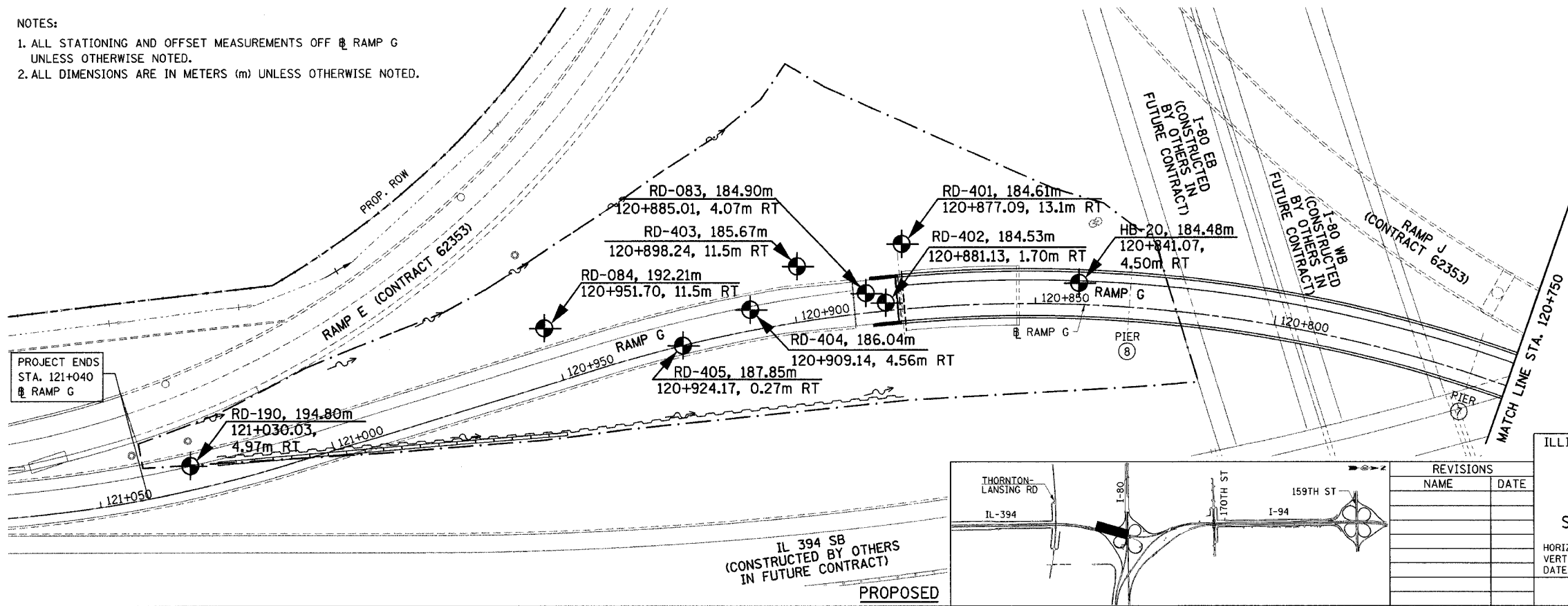
Wang Engineering, Inc.  
 1145 Main Street  
 Lombard, IL 60148  
 630-953-9928

Geo-Environmental Engineers  
 255-08-04

BASED ON DRAWINGS PREPARED BY HNTB CORPORATION



- NOTES:**
1. ALL STATIONING AND OFFSET MEASUREMENTS OFF RAMP G UNLESS OTHERWISE NOTED.
  2. ALL DIMENSIONS ARE IN METERS (m) UNLESS OTHERWISE NOTED.



REVISIONS	
NAME	DATE

SB-1

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)  
**SOIL BORING PLAN**  
 RAMP G  
 STA. 121+050 TO STA. 120+750

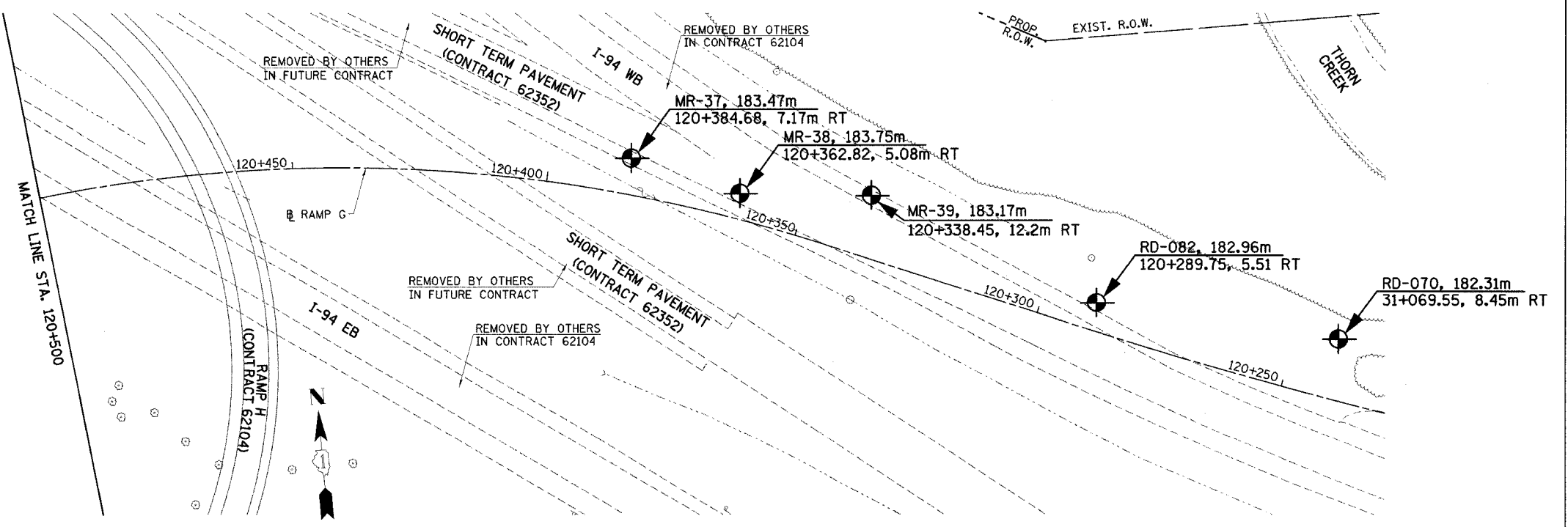
HORIZ SCALE: 1:500  
 VERT SCALE: 1:10  
 DATE: MARCH 23, 2005

DRAWN BY:  
 CHECKED BY:

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

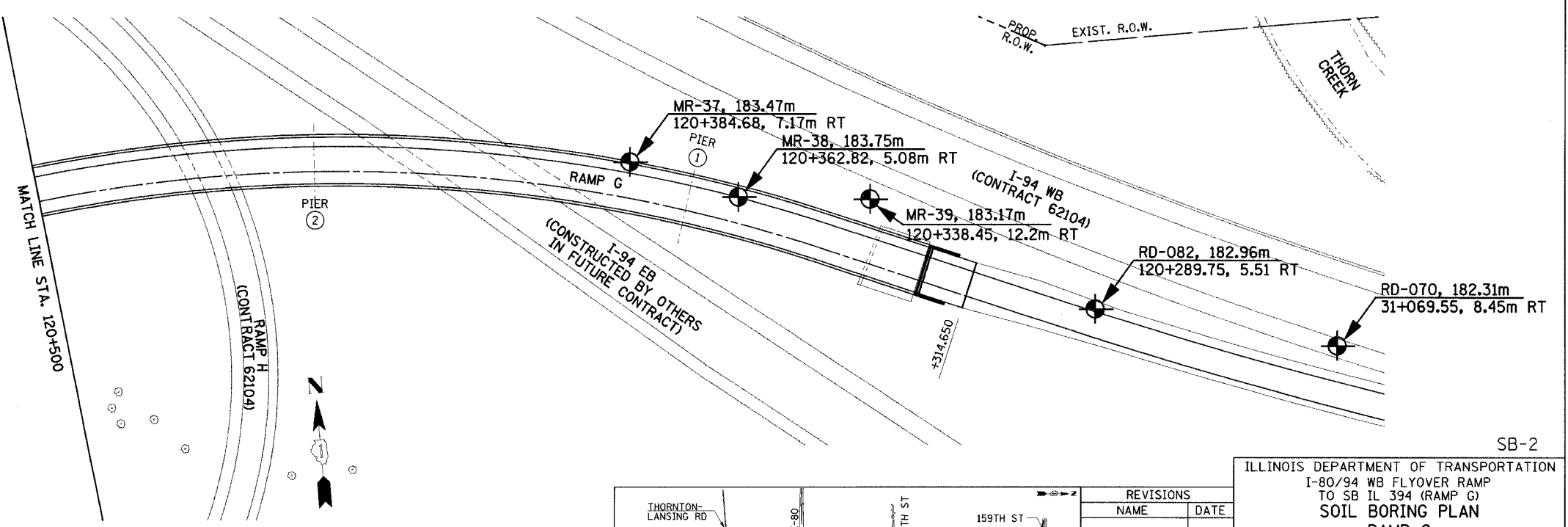
HORIZ SCALE: 1:20	DRAWN BY: M.S.
VERT SCALE: 1:10	CHECKED BY: L.T.
Wang Engineering, INC. 1145 Main Street Lombard, IL 60148 Geo-Environmental Engineers 630-953-9928	
BASED ON DRAWINGS PREPARED BY HNTB CORPORATION 255-08-04	

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	31
STA. 120+500 TO STA. 120+250		ILLINOIS FED. AID PROJECT		

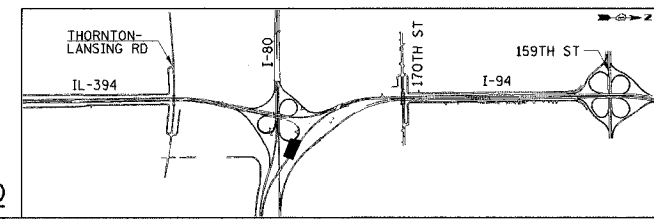


EXISTING

- NOTES:
1. ALL STATIONING AND OFFSET MEASUREMENTS OFF RAMP G UNLESS OTHERWISE NOTED.
  2. ALL DIMENSIONS ARE IN METERS (m) UNLESS OTHERWISE NOTED.



PROPOSED



REVISIONS	
NAME	DATE

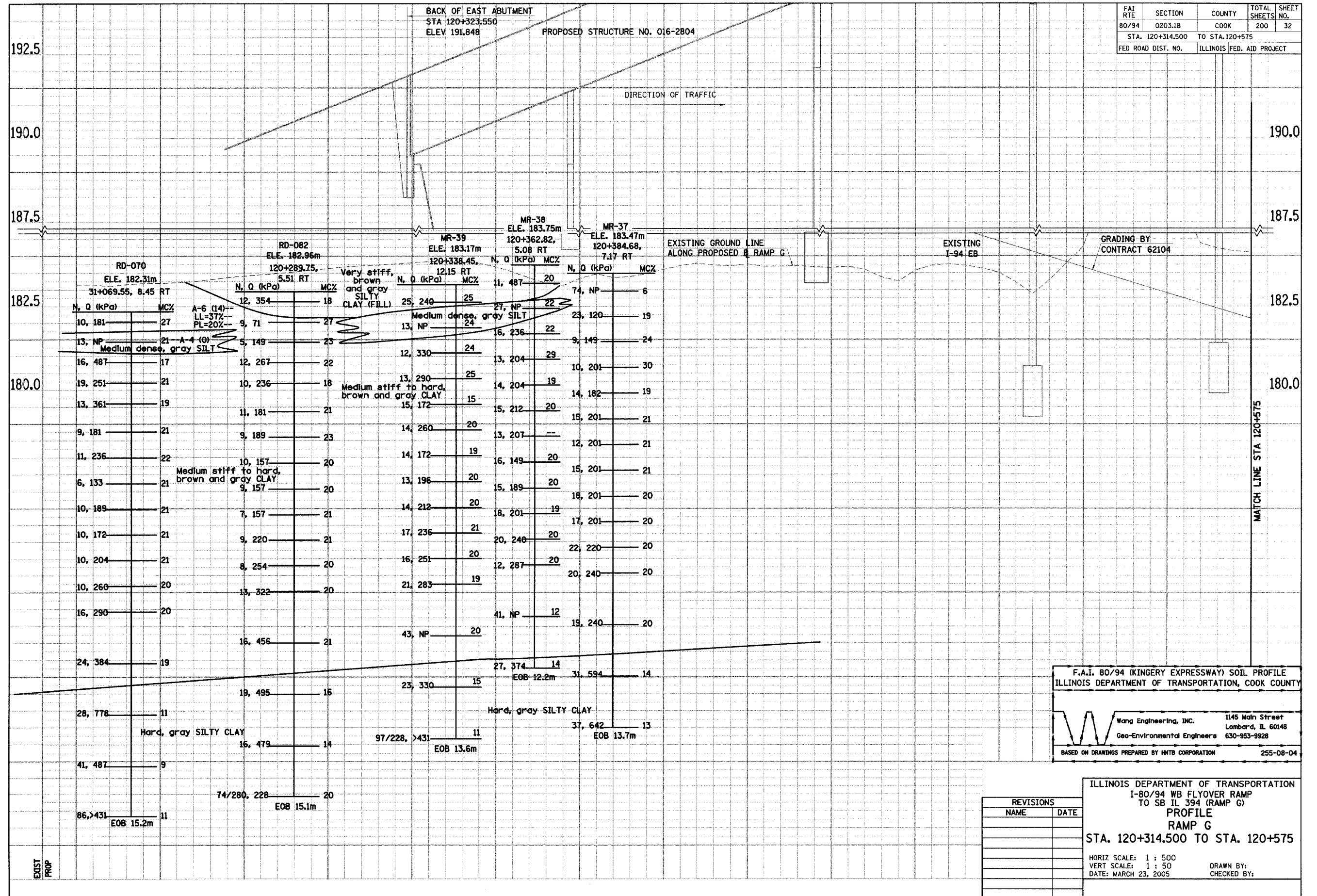
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)  
**SOIL BORING PLAN**  
**RAMP G**  
STA. 120+500 TO STA. 120+250

HORIZ SCALE: 1:500  
VERT SCALE:  
DATE: MARCH 23, 2005

DRAWN BY:  
CHECKED BY:

SB-2

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	32
STA. 120+314.500		TO STA. 120+575		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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

Wang Engineering, Inc. 1145 Main Street  
Lombard, IL 60148  
Geo-Environmental Engineers 630-953-9928

BASED ON DRAWINGS PREPARED BY HNTB CORPORATION 255-08-04

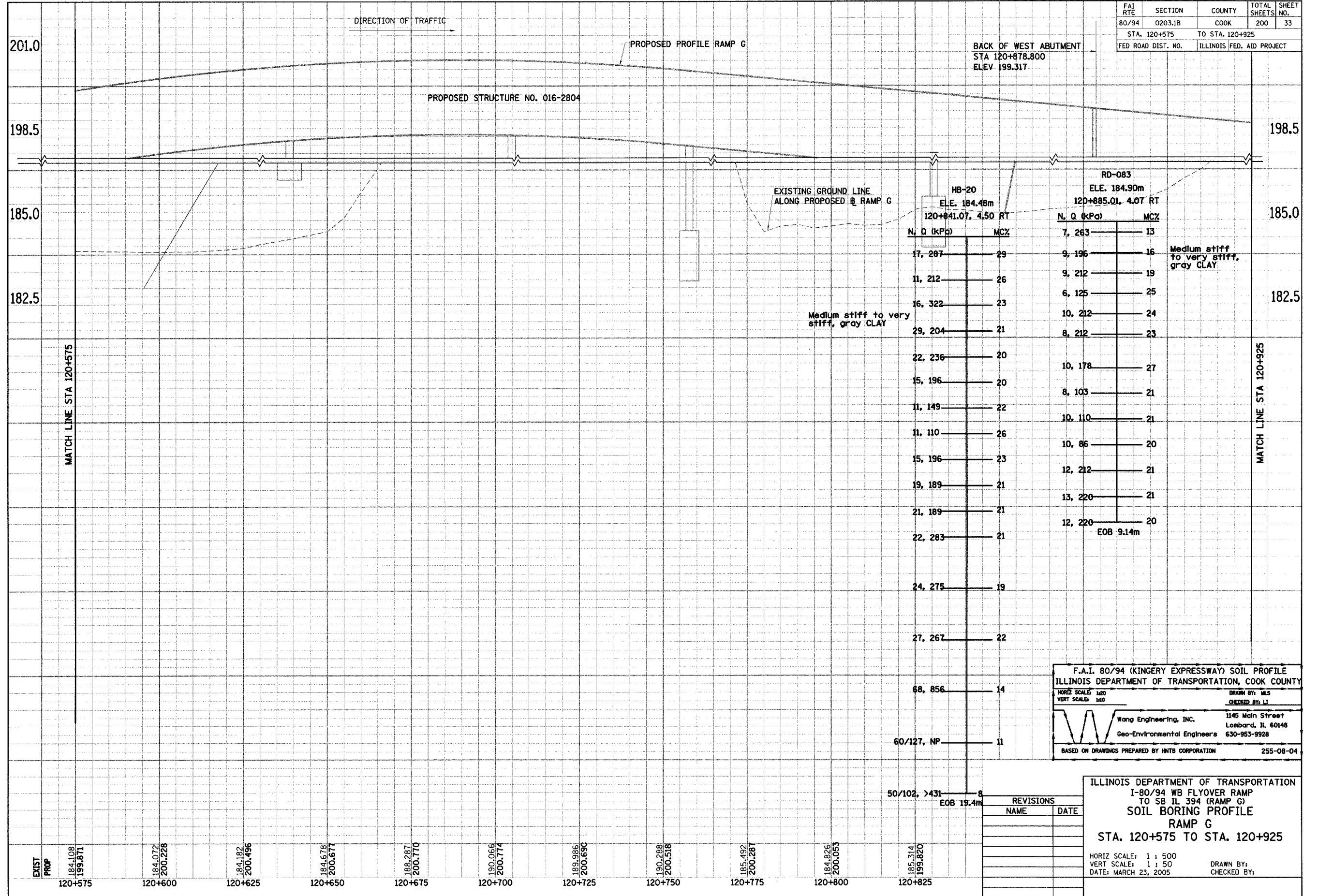
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)  
PROFILE  
RAMP G  
STA. 120+314.500 TO STA. 120+575

HORIZ SCALE: 1 : 500  
VERT SCALE: 1 : 50  
DATE: MARCH 23, 2005

DRAWN BY:  
CHECKED BY:

FBI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	33
STA. 120+575		TO STA. 120+925		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



BACK OF WEST ABUTMENT  
STA 120+878.800  
ELEV 199.317

HB-20  
ELE. 184.48m  
120+841.07, 4.50 RT

RD-083  
ELE. 184.90m  
120+885.01, 4.07 RT

Medium stiff to very stiff, gray CLAY

Medium stiff to very stiff, gray CLAY

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

HORIZ SCALE: 1/20  
VERT SCALE: 1/10  
DRAWN BY: MLS  
CHECKED BY: LI

Wang Engineering, Inc. 1145 Main Street  
Lombard, IL 60148  
Geo-Environmental Engineers 630-953-9928

BASED ON DRAWINGS PREPARED BY INTB CORPORATION 255-08-04

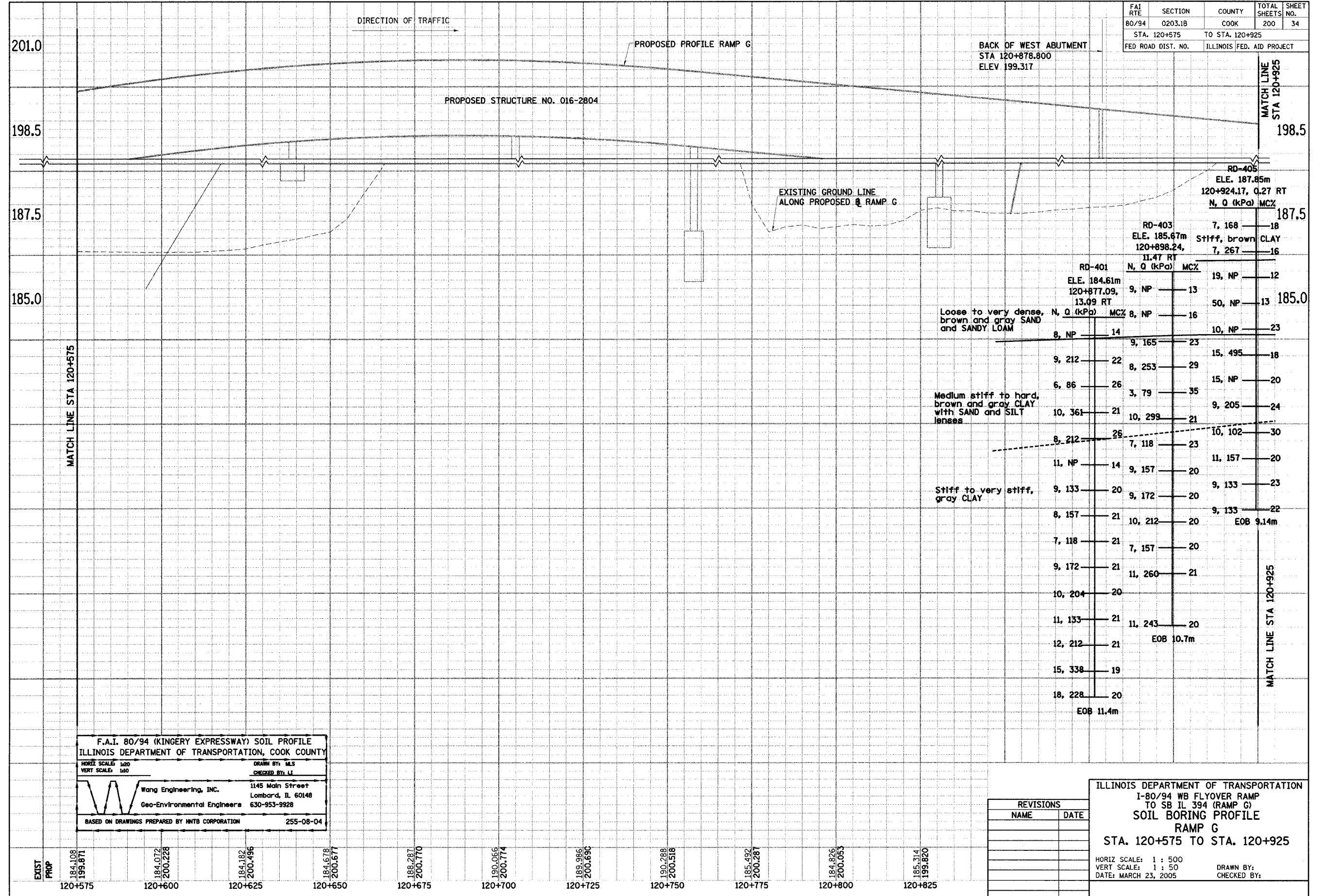
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)  
SOIL BORING PROFILE  
RAMP G  
STA. 120+575 TO STA. 120+925

HORIZ SCALE: 1 : 500  
VERT SCALE: 1 : 50  
DATE: MARCH 23, 2005  
DRAWN BY:  
CHECKED BY:



FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	34
STA. 120+575		TO STA. 120+925		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**F.A.I. 80/94 (KINGERY EXPRESSWAY) SOIL PROFILE**  
 ILLINOIS DEPARTMENT OF TRANSPORTATION, COOK COUNTY

HORIZ SCALE: 1:20  
 VERT SCALE: 1:40

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

Wang Engineering, Inc. 1145 Main Street  
 Lombard, IL 60148  
 Geo-Environmental Engineers 630-953-9928

BASED ON DRAWINGS PREPARED BY HNTB CORPORATION 255-08-04

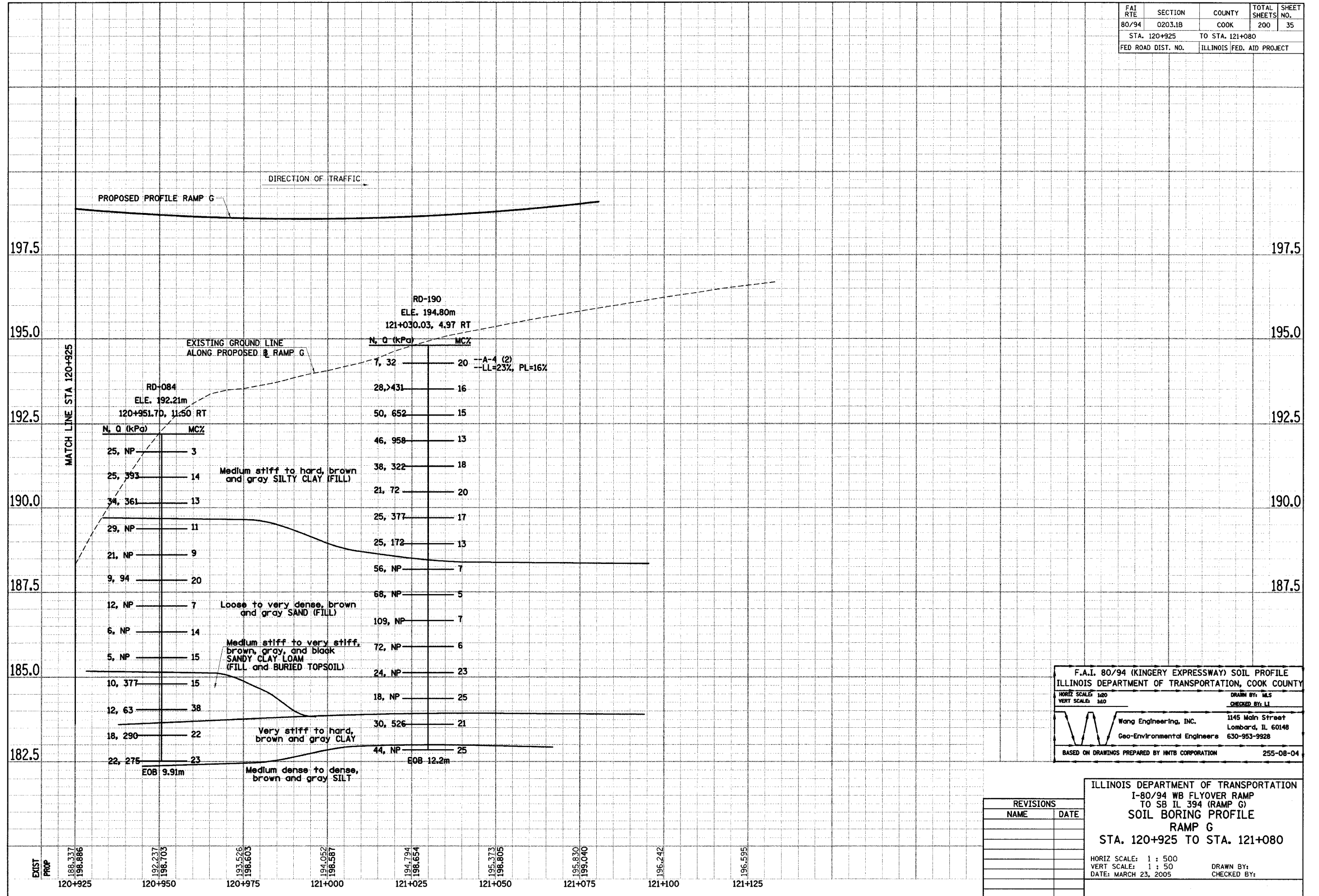
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)  
**SOIL BORING PROFILE**  
**RAMP G**  
 STA. 120+575 TO STA. 120+925

HORIZ SCALE: 1 : 500  
 VERT SCALE: 1 : 50  
 DATE: MARCH 23, 2005

DRAWN BY:  
 CHECKED BY:

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	35
STA. 120+925		TO STA. 121+080		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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

HORIZ SCALE: 1:50  
 VERT SCALE: 1:50

DRAWN BY: MLS  
 CHECKED BY: LI

Wang Engineering, Inc. 1145 Main Street  
 Lombard, IL 60148  
 Geo-Environmental Engineers 630-953-9928

BASED ON DRAWINGS PREPARED BY HNTB CORPORATION 255-08-04

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)  
 SOIL BORING PROFILE  
 RAMP G  
 STA. 120+925 TO STA. 121+080

HORIZ SCALE: 1 : 500  
 VERT SCALE: 1 : 50  
 DATE: MARCH 23, 2005

DRAWN BY:  
 CHECKED BY:

REVISIONS	
NAME	DATE

# EROSION AND SEDIMENT CONTROL

## GENERAL NOTES

- THE WORK DESCRIBED ON THESE DRAWINGS IS AN INTEGRAL PART OF THE STORM WATER POLLUTION PREVENTION PLAN USED TO OBTAIN A NPDES PERMIT FROM IEPA FOR THE CONSTRUCTION OF THIS PROJECT. FULL COMPLIANCE WITH ALL TERMS OF THE NPDES PERMIT MUST BE STRICTLY ADHERED TO.
- THE PURPOSE OF THE EROSION AND SEDIMENT CONTROL MEASURES INCLUDED FOR THIS PROJECT IS TO LIMIT THE SEDIMENT POLLUTION IMPACT, OF ANY STORM WATER DISCHARGES THAT ORIGINATE ON THIS SITE OR OFF-SITE FLOWS THAT FLOW OVER THE DISTURBED AREAS, ON DOWNSTREAM AREAS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
- TO THE MAXIMUM EXTENT POSSIBLE, ALL FLOWS ORIGINATING OFF THE CONSTRUCTION SITE WILL BE DIVERTED AROUND DISTURBED AREAS OR WILL BE CONVEYED THROUGH THE SITE IN A MANNER THAT UNTREATED ON-SITE RUNOFF DOES NOT MIX WITH THE OFF-SITE RUNOFF.
- ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL REDUCE OVERLAND FLOW RATES AS WELL AS CURTAIL ON AND OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITY.
- ALL PERMANENT SEDIMENT BASINS, PERMANENT STORM WATER CONTROL MEASURES, AND RUNOFF CONTROL MEASURES REQUIRED TO KEEP OFF-SITE RUNOFF FROM FLOWING OVER THE CONSTRUCTION AREA WILL BE INSTALLED BEFORE CLEARING AND STRIPPING OF THE SITE PROCEEDS. PRIOR TO PROCEEDING WITH GENERAL EARTHWORK ON A PROJECT THE CONTRACTOR WILL OBTAIN APPROVAL OF HIS PROPOSED EARTHWORK AND STABILIZATION SCHEDULE.
  - WHEN BALANCING EARTHWORK (BORROW FROM A CUT USED AS FILL AT A LOCATION DISTANT FROM THE CUT) THE ENGINEER WILL CONSIDER ALLOWING MORE THAN 4 HECTARES OF GRADING AT A TIME. THE 4 HECTARE LIMITATION DOES NOT INCLUDE HAUL ROADS, BRIDGE CONSTRUCTION WORK AREAS NOR STORAGE AREAS.
  - VARIATIONS TO THE ABOVE MAY BE CONSIDERED BY THE ENGINEER UNDER ALL THE FOLLOWING CONDITIONS:
    - IF THE CONTRACTOR FALLS BEHIND SCHEDULE THROUGH NO FAULT OF HIS OWN.
    - THE CONTRACTOR MUST PRESENT A SCHEDULE DEMONSTRATING THE NEED FOR SUCH VARIATION IN ORDER TO COMPLETE THE WORK ON TIME.
    - THE CONTRACTOR MUST COMPLY WITH ALL OTHER CONTRACT REQUIREMENTS.
- DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION, THE AREA WILL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN 7 CALENDAR DAYS. TEMPORARY STABILIZATION THROUGH USE OF GROUND COVER, MULCHING, OR OTHER APPROVED MEASURES WILL BE INSTALLED WHENEVER SITE DEVELOPMENT WORK, GRADING OR OTHER EARTH DISTURBING ACTIVITIES CEASE TO BE CONTINUOUS FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. THE 7/14 DAY REQUIREMENT IS TAKEN TO MEAN THAT THE STABILIZATION OPERATION IS COMPLETE OR NEARING COMPLETION IN THE DEFINED TIME.
- STABILIZATION OF CUT OR FILL SLOPES WITH TEMPORARY OR PERMANENT EROSION CONTROL MEASURES IS REQUIRED WHENEVER THE CUT OR FILL ACTIVITY REACHES 3 METERS VERTICALLY OR THE FINISHED SLOPE HEIGHT EQUALS 10 METERS, WHICHEVER IS MORE RESTRICTIVE. ONCE THE STABILIZATION MEASURES ARE INSTALLED, THE PLACEMENT OF FILL EXCAVATION ACTIVITIES ARE ALLOWED TO PROCEED.
- THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES AS RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS. THIS PERSON IS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES. THIS EMPLOYEE IS TO HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTIONS CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN GIVEN BY THE ENGINEER. ALL MEASURES WILL BE INSPECTED BY THIS INDIVIDUAL AND THE ENGINEER ON A REGULAR BASIS (AT LEAST ONCE EVERY 7 DAYS) AND AFTER RAINFALL EVENTS GREATER THAN 13mm.

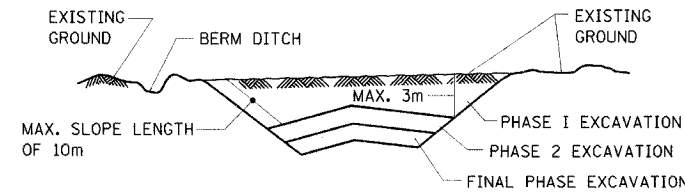
(GENERAL NOTES CONTINUE ON NEXT SHEET.)

# EROSION AND SEDIMENT CONTROL LEGEND

SC	SEDIMENT CONTROL		STONE RIPRAP (CLASS AS SHOWN ON PLAN)		INLET AND PIPE PROTECTION
EC	EROSION CONTROL		STONE OUTLET STRUCTURE		DITCH CHECK TEMPORARY
	SC, STABILIZED CONSTRUCTION ENTRANCE (SCSCE)		TEMPORARY STREAM CROSSING		SEDIMENT BASIN
	SC, SILT FENCE (SCSF) PLAN		DEWATERING BASIN		SEEDING CLASS 2A AND TOPSOIL WITH EROSION CONTROL BLANKET
	SC, SILT FENCE (SCSF) SECTION		TREE TRUNK PROTECTION		SEEDING CLASS 4 AND COMPOST WITH EROSION CONTROL BLANKET
	DIVERSION DIKE		SC, DRAINAGE STRUCTURE INLET FILTER		TEMPORARY EROSION CONTROL SEEDING
	TEMPORARY DITCH		TEMPORARY FENCE PLAN	MAX = MAXIMUM	
	DITCH FLOW		TEMPORARY FENCE SECTION	MIN = MINIMUM	
	EC, TEMPORARY PIPE SLOPE DRAIN				
	EC, TEMPORARY CHANNEL DIVERSION				

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	36
STA.	TO STA.			
FED ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

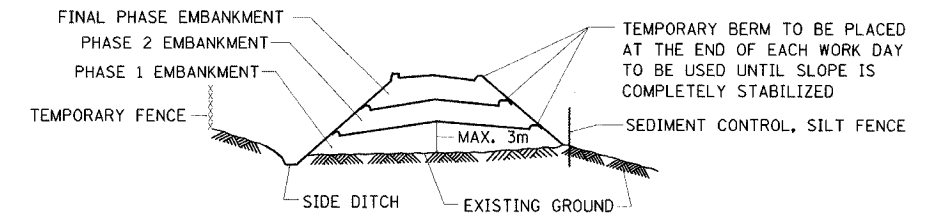
## EXCAVATION PHASING PLAN-CUT SECTION



### NOTES:

- ALL CUT SLOPES SHALL BE EXCAVATED AND STABILIZED (PLACE TOPSOIL, PREPARE SEEDBED, APPLY SEED, PROTECT SLOPE WITH MULCH OR EROSION BLANKET) AS THE WORK PROGRESSES.
- CONSTRUCTION SEQUENCE FOR EXCAVATION:
  - EXCAVATE AND STABILIZE BERM, SIDE AND OUTLET DITCHES, PROVIDE SEDIMENT TRAPS FOR DITCHES.
  - PERFORM PHASE 1 EXCAVATION AND STABILIZE SLOPES WITH PERMANENT SEEDING.
  - PERFORM PHASE 2 EXCAVATION AND STABILIZE SLOPES WITH PERMANENT SEEDING. OVERSEED PHASE 1 SLOPES, IF REQUIRED.
  - PERFORM FINAL PHASE EXCAVATION, AND STABILIZE WITH PERMANENT VEGETATIVE PLAN ON THE ENTIRE SLOPE. STABILIZE SURFACE DRAIN DITCHES. OVERSEED PHASE 1 & 2 SLOPES, IF REQUIRED, AS DETERMINED BY THE ENGINEER.
- IF PERMANENT SEEDING CANNOT BE PLACED DUE TO CONTRACT REQUIREMENTS REGARDING PLANTING SEASONS, THE CUT SLOPE IS TO HAVE TOPSOIL PLACED AND SEEDBED PREPARED PRIOR TO USING TEMPORARY STABILIZATION WITH STRAW MULCH OR TEMPORARY SEEDING WITH EROSION BLANKET.
- THE CONTRACTOR HAS THE OPTION OF DELAYING TOPSOIL AND/OR SEEDING BEYOND THE 3m VERTICAL LIMITATION. (SEE GENERAL NOTE 9) IF SO THE CUT SLOPE MUST BE TEMPORARILY STABILIZED, AT NO COST TO THE DEPARTMENT.
- ONCE THE EXCAVATION WITHIN A SPECIFIC AREA HAS BEGUN, THE OPERATION SHALL BE CONTINUOUS FROM STRIPPING THROUGH THE COMPLETION OF THE GRADING AND PLACEMENT OF SLOPE STABILIZATION MEASURES. ANY INTERRUPTIONS IN THE OPERATION 14 DAYS OR MORE MUST BE APPROVED BY THE ENGINEER. ANY VIOLATIONS OF THIS REQUIREMENT WILL RESULT IN THE CONTRACTOR ASSUMING THE RESPONSIBILITY OF PLACING TEMPORARY STABILIZATION AT HIS OWN COST AND EXPENSE AS DIRECTED BY THE ENGINEER.

## EMBANKMENT PHASING PLAN-FILL SECTION



### NOTES:

- THE EMBANKMENT WILL BE MADE IN STAGES NOT TO EXCEED 3m. THE EMBANKMENT SLOPES WILL BE STABILIZED USING TEMPORARY MEASURES BEFORE BEGINNING NEXT STAGE.
- AT THE END OF EACH WORK DAY TEMPORARY BERMS (EARTH) AND TEMPORARY PIPE SLOPE DRAINS WILL BE CONSTRUCTED ALONG THE TOP EDGE(S) OF THE EMBANKMENT TO INTERCEPT SURFACE RUNOFF.
  - IN LIEU OF PERFORMING WORK DESCRIBED IN 2(A) AT THE END OF EACH WORK DAY, THE CONTRACTOR MAY EMPLOY A "CERTIFIED CONSULTANT METEOROLOGIST" TO PROVIDE A WRITTEN DAILY WEATHER FORECAST TO THE DEPARTMENT'S ENGINEER. SHOULD THE FORECAST PREDICT A 10% (OR LESS) CHANCE OF PRECIPITATION IN THE NEXT 36 HOUR TIME PERIOD, THE BERMS AND SLOPE DRAINS NEED NOT BE DONE THAT DAY. ON WORK DAYS PRECEDING NON-WORK DAYS, THE FORECAST MUST EXTEND TO THE SCHEDULED RESUMPTION OF WORK.
- CONSTRUCTION SEQUENCE FOR EMBANKMENT
  - EXCAVATE AND STABILIZE SIDE DITCH AND/OR INSTALL PROPOSED PERIMETER CONTROLS AT THE TOE OF SLOPE.
  - PLACE PHASE 1 EMBANKMENT AND STABILIZE WITH TEMPORARY SEEDING AND MULCH.
  - PLACE PHASE 2 EMBANKMENT AND STABILIZE WITH TEMPORARY SEEDING AND MULCH.
  - PLACE FINAL PHASE EMBANKMENT AND STABILIZE WITH PERMANENT VEGETATIVE PLAN ON THE ENTIRE SLOPE.
- ONCE THE PLACEMENT OF FILL WITHIN A SPECIFIC AREA HAS BEGUN, THE OPERATION SHALL BE CONTINUOUS FROM STRIPPING THROUGH THE COMPLETION OF THE GRADING AND PLACEMENT OF PERMANENT VEGETATIVE PLAN. ANY INTERRUPTIONS IN THE OPERATION OF 14 DAYS OR MORE MUST BE APPROVED BY THE ENGINEER. ANY VIOLATION OF THIS REQUIREMENT WILL RESULT IN THE CONTRACTOR ASSUMING THE RESPONSIBILITY OF PLACING TEMPORARY STABILIZATION AT HIS OWN COST AND EXPENSE AS DIRECTED BY THE ENGINEER.

EC-1		ILLINOIS DEPARTMENT OF TRANSPORTATION	
		I-80/94 WB FLYOVER RAMP	
		TO SB IL 394 (RAMP G)	
EROSION AND SEDIMENT CONTROLS			
GENERAL NOTES AND LEGEND			
REVISIONS		HORIZ SCALE: NONE	
NAME	DATE	VERT SCALE: NONE	
		DATE: MARCH 23, 2005	
		DRAWN BY: BJM	
		CHECKED BY: MAM	
<b>HNTB</b>			



FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	37
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**EROSION AND SEDIMENT CONTROLS  
GENERAL NOTES (CONTD.)**

11. SEDIMENT TRAPS, SEDIMENT BASINS, DITCHES, SEDIMENT CONTROL, SILT FENCE, STONE OUTLET STRUCTURES, EARTH BERMS, ETC. SHALL BE INSPECTED REGULARLY AND MAINTAINED DURING THE CONSTRUCTION SEASON AS WELL AS THE WINTER MONTHS AND OTHER TIMES WHEN THE PROJECT IS CLOSED DOWN. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. ALL SEDIMENTS SHALL BE REMOVED TO AN APPROVED SITE. STONE OUTLET STRUCTURES SHALL HAVE SEDIMENT REMOVED WHEN IT REACHES 50% THE HEIGHT OF THE CONTROL DEVICE. THESE SPOILS WILL BE REMOVED TO AN APPROVED SITE.
12. SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND LIVE STREAMS OR WETLANDS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE, AND STABILIZED IMMEDIATELY AFTER FINAL SHAPING OF THE PILE IN ACCORDANCE WITH MULCH, METHOD 2. THE CONTRACTOR WILL PROVIDE AN ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCKPILE.
13. MATERIALS EXCAVATED FOR THE CONSTRUCTION OR CLEANOUT OF SEDIMENT TRAPS OR SEDIMENT BASINS SHALL NOT BE STOCKPILED IN (THE VICINITY OF) THE TRAP OR BASIN. IT WILL EITHER BE PLACED IN AN EMBANKMENT OR WASTED AS DIRECTED BY THE ENGINEER.
14. EXCAVATION TO BE USED FOR EMBANKMENTS SHALL NOT BE STOCKPILED UNLESS PERIMETER CONTROLS ARE UTILIZED. WHEN THIS MATERIAL IS STOCKPILED FOR THE CONVENIENCE OF THE CONTRACTOR THE COST OF THE CONTROLS ARE BORNE BY THE CONTRACTOR.
15. SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING MEASURE PRIOR TO RELEASE FROM THE SITE.
16. WHEN THE CONTRACTOR REQUESTS A CHANGE TO POSTPONE COMPLETION OF THE EXCAVATION OF A SPECIFIC AREA AS A CONTINUOUS OPERATION AND PLACING THE TOPSOIL AS DEFINED IN THE STANDARD SPECIFICATIONS, THE ENGINEER MAY ALLOW THE CONTRACTOR TO STABILIZE THE AREA USING TEMPORARY STABILIZATION WITH STRAW MULCH PROVIDING THE FOLLOWING CONDITIONS ARE MET:
  - (A) ALL AREAS BEING STABILIZED ARE 3:1 SLOPES OR FLATTER.
  - (B) THE CONTRACTOR BEARS THE COST OF PREPARING THE SEED BED AND STABILIZING THE AREA WITH TEMPORARY STABILIZATION WITH STRAW MULCH.
  - (C) ALL REQUIRED SEDIMENT CONTROL MEASURES FOR THE SECTION OF ROAD IN QUESTION HAVE BEEN INSTALLED AND ARE BEING MAINTAINED.
17. SEEDING USAGE
 

CLASS 2A SALT TOLERANT ROADSIDE MIX USED FOR NEW CONSTRUCTION OF LIMITED ACCESS ROUTES INTENDED TO BE MOWED BY IDOT.

CLASS 4 NATIVE GRASS AND FORB MIX USED ON ALL INACCESSIBLE AREAS, IN WIDE RIGHT-OF-WAY AREAS OR INTERCHANGES, SLOPES STEEPER THAN 3:1 (GREATER THAN 10 FEET IN HEIGHT), AND ALL SLOPES STEEPER THAN 2:1 (GREATER THAN 6 FEET IN HEIGHT).
18. TEMPORARY EROSION CONTROL SEEDING USED ON SHORT TERM TEMPORARY SEEDING.
19. TOP SOIL PLACEMENT:  
TOPSOIL WILL BE PLACED ON FINAL SLOPES WHICH WILL NOT BE DISTURBED BY FUTURE CONSTRUCTION. TOPSOIL WILL NOT BE PLACED ON SURFACES WHICH WILL BE PAVED IN THE FUTURE NOR ON TEMPORARILY STEEP SLOPES.
20. SEDIMENT CONTROL DRAINAGE STRUCTURE INLET FILTER SHALL BE INSTALLED AND MAINTAINED AT EACH EXISTING AND PROPOSED INLET WITHIN THE PROJECT LIMITS.
21. INLET AND PIPE PROTECTION: INSPECT REGULARLY AND AFTER EVERY STORM. MAKE REPAIRS AS NECESSARY TO ENSURE THAT THE MEASURE IS IN GOOD WORKING ORDER. CLEAN OR REMOVE AND REPLACE THE FILTER FABRIC IF IT BECOMES CLOGGED. WORK IS INCLUDED IN COST OF INLET AND PIPE PROTECTION.

**EROSION AND SEDIMENT CONTROLS (ESC) STRATEGY**

DISTURBED AREA:

RAMP G, STA. 120+050 TO STA. 121+050, .87 HA  
RECEIVING WATERS: STORM SEWER AND DITCH FLOW NORTH TO THORN CREEK

1. CONSTRUCT TEMPORARY FENCE ALONG CONSTRUCTION LIMITS WHERE NOTED ON "DURING CONSTRUCTION" PANEL.
2. ERECT PERIMETER EROSION BARRIER (PEB) AS SHOWN IN THE "DURING CONSTRUCTION" PANEL TO SEPARATE THE EXISTING DITCH FLOW FROM THE DISTURBED AREA.
3. CUT AND/OR FILL FOR TEMPORARY DITCHES.
4. STABILIZE TEMPORARY DITCHES WITH TEMPORARY EROSION CONTROL SEEDING.
5. ADD TEMPORARY DITCH CHECK, URETHANE FOAM/GEOTEXTILE (TDC, UP/G) IN TEMPORARY DITCHES AT 250mm VERTICAL INCREMENTS, OR WHERE LOCATED ON PLANS.
6. CONSTRUCT INLET AND PIPE PROTECTION AS SHOWN IN THE "DURING CONSTRUCTION" PANEL.
7. CONSTRUCT EMBANKMENT IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL (ESC) GENERAL NOTES.
8. THE SEDIMENT CONTROL, SILT FENCE, TEMPORARY DITCH CHECKS, AND DRAINAGE STRUCTURE INLET FILTERS WILL REMAIN IN PLACE AT THE END OF THE CONTRACT.
9. SEED AND STABILIZE AS SHOWN IN THE "FINAL CONDITION" PANEL  
SEEDING USAGE:
 

CLASS 2A SALT TOLERANT ROADSIDE MIX USED FOR NEW CONSTRUCTION OF LIMITED ACCESS ROUTES INTENDED TO BE MOWED BY IDOT

CLASS 4 NATIVE GRASS AND FORB MIX USED ON ALL INACCESSIBLE AREAS, IN WIDE RIGHT-OF-WAY AREAS OR INTERCHANGES, SLOPES STEEPER THAN 3:1 (GREATER THAN 10 FEET IN HEIGHT), AND ALL SLOPES STEEPER THAN 2:1 (GREATER THAN 6 FEET IN HEIGHT).

EC-2

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)

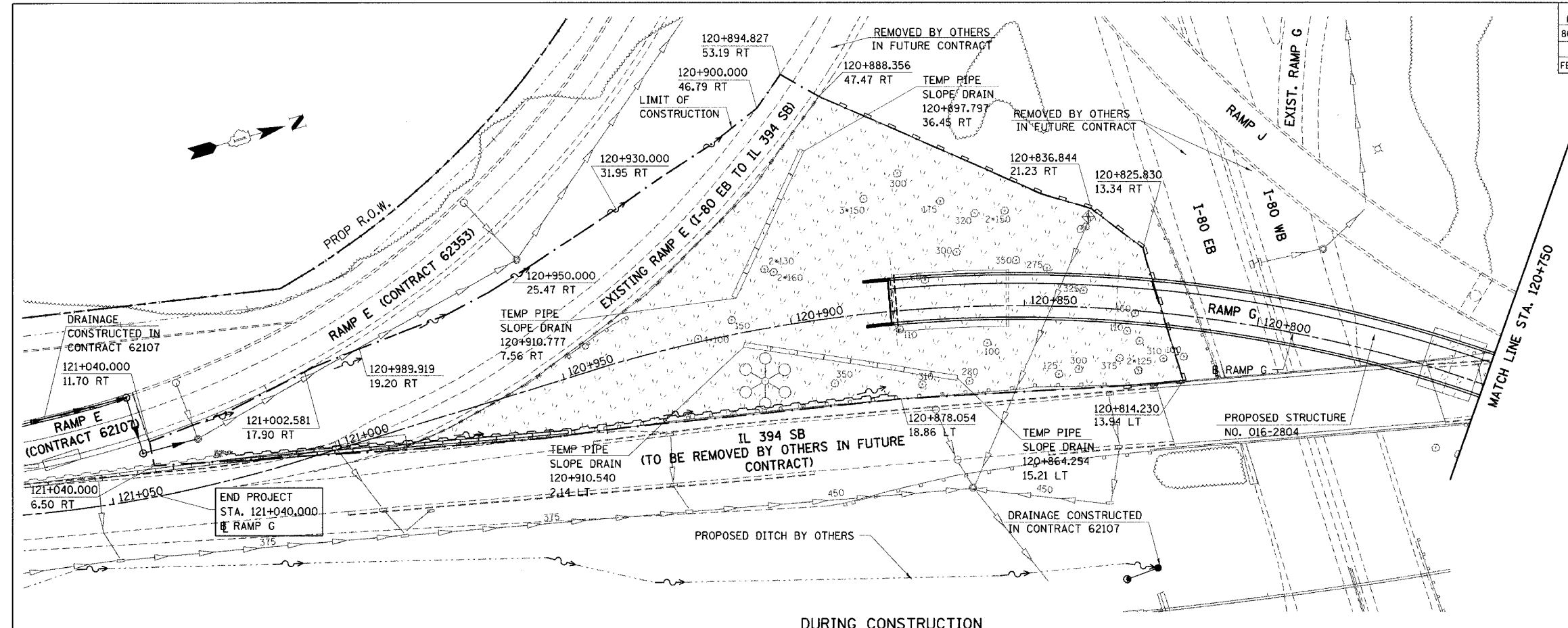
**EROSION AND SEDIMENT CONTROLS  
GENERAL NOTES AND STRATEGY**

HORIZ SCALE: NONE  
VERT SCALE: NONE  
DATE: MARCH 23, 2005

DRAWN BY: BAJ  
CHECKED BY: MAM

**HNTB**

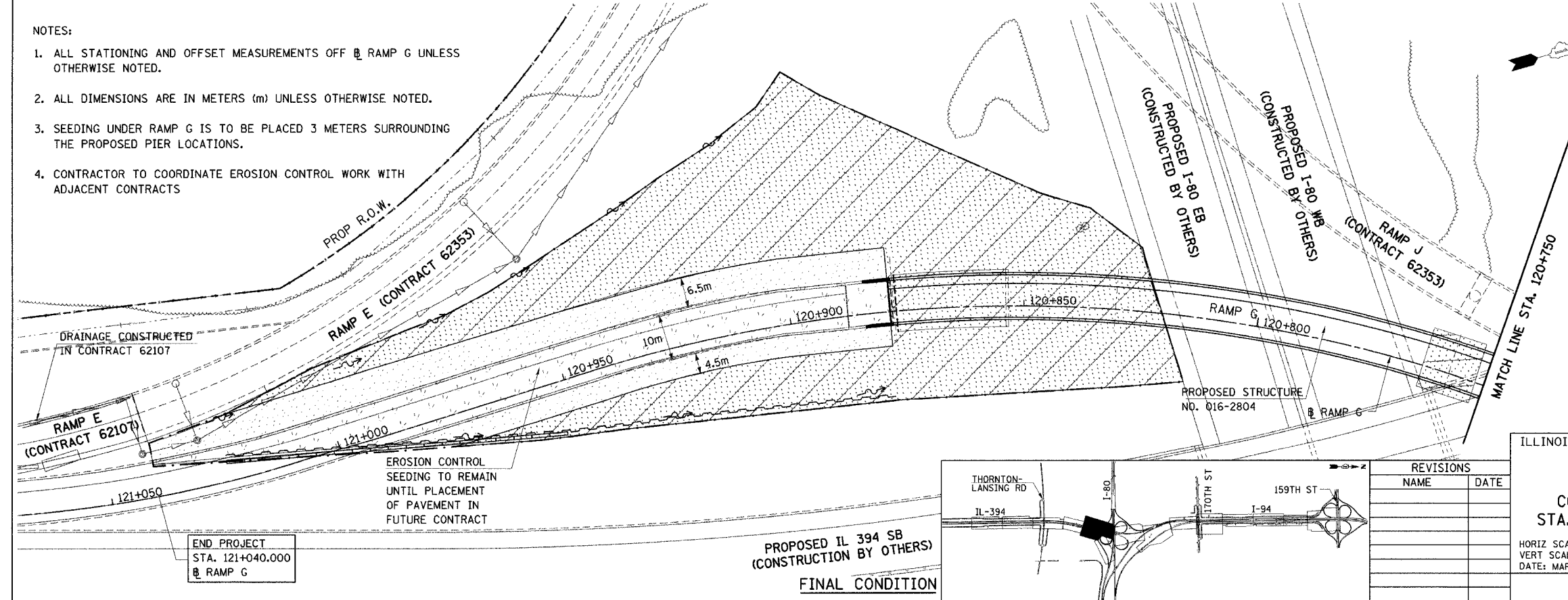
FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	38
STA. 121+040		TO STA. 120+750		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



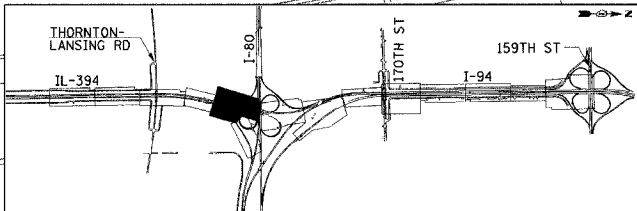
DURING CONSTRUCTION

NOTES:

1. ALL STATIONING AND OFFSET MEASUREMENTS OFF RAMP G UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE IN METERS (m) UNLESS OTHERWISE NOTED.
3. SEEDING UNDER RAMP G IS TO BE PLACED 3 METERS SURROUNDING THE PROPOSED PIER LOCATIONS.
4. CONTRACTOR TO COORDINATE EROSION CONTROL WORK WITH ADJACENT CONTRACTS



FINAL CONDITION



REVISIONS	
NAME	DATE

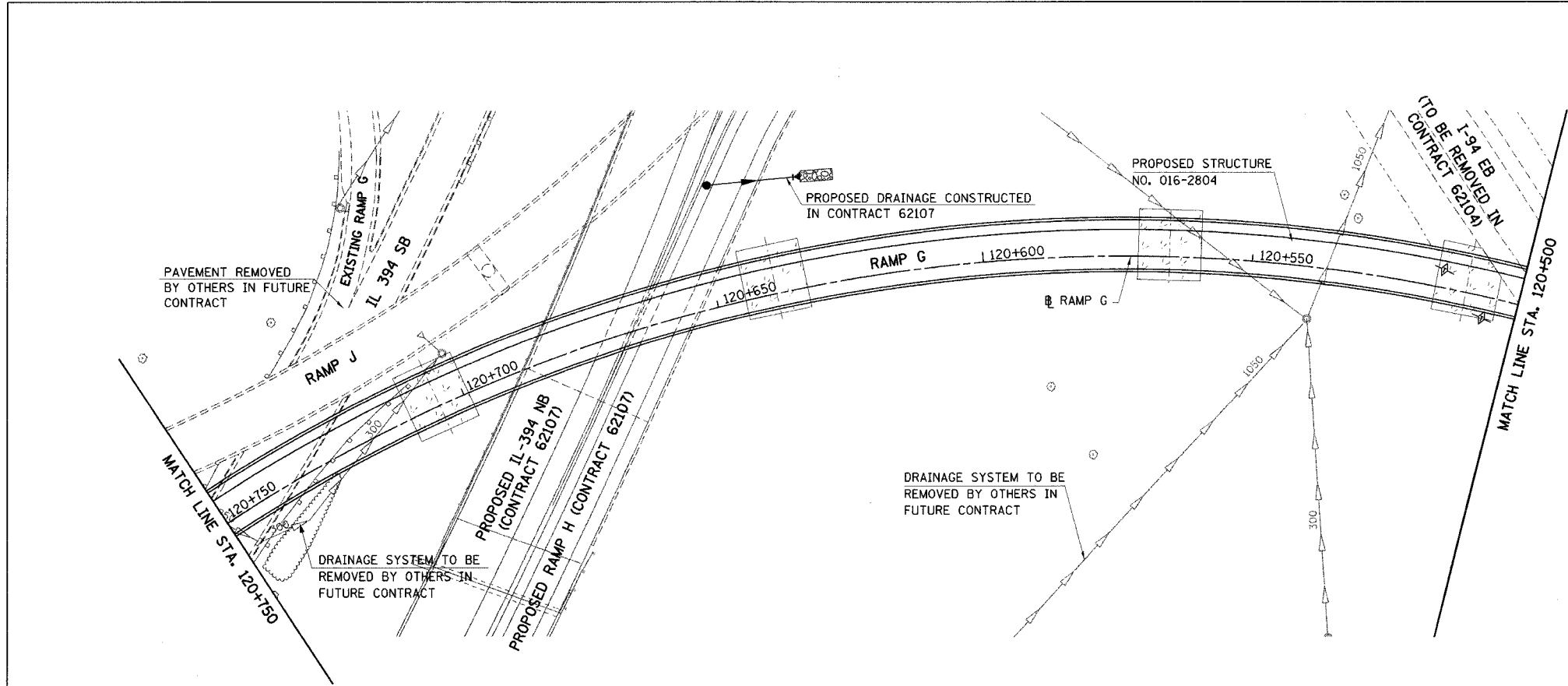
EC-3  
 ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)  
**DRAINAGE AND EROSION  
 CONTROL PLANS - RAMP G**  
 STA. 121+040 TO STA. 120+750

HORIZ SCALE: 1:500  
 VERT SCALE: NONE  
 DATE: MARCH 23, 2005

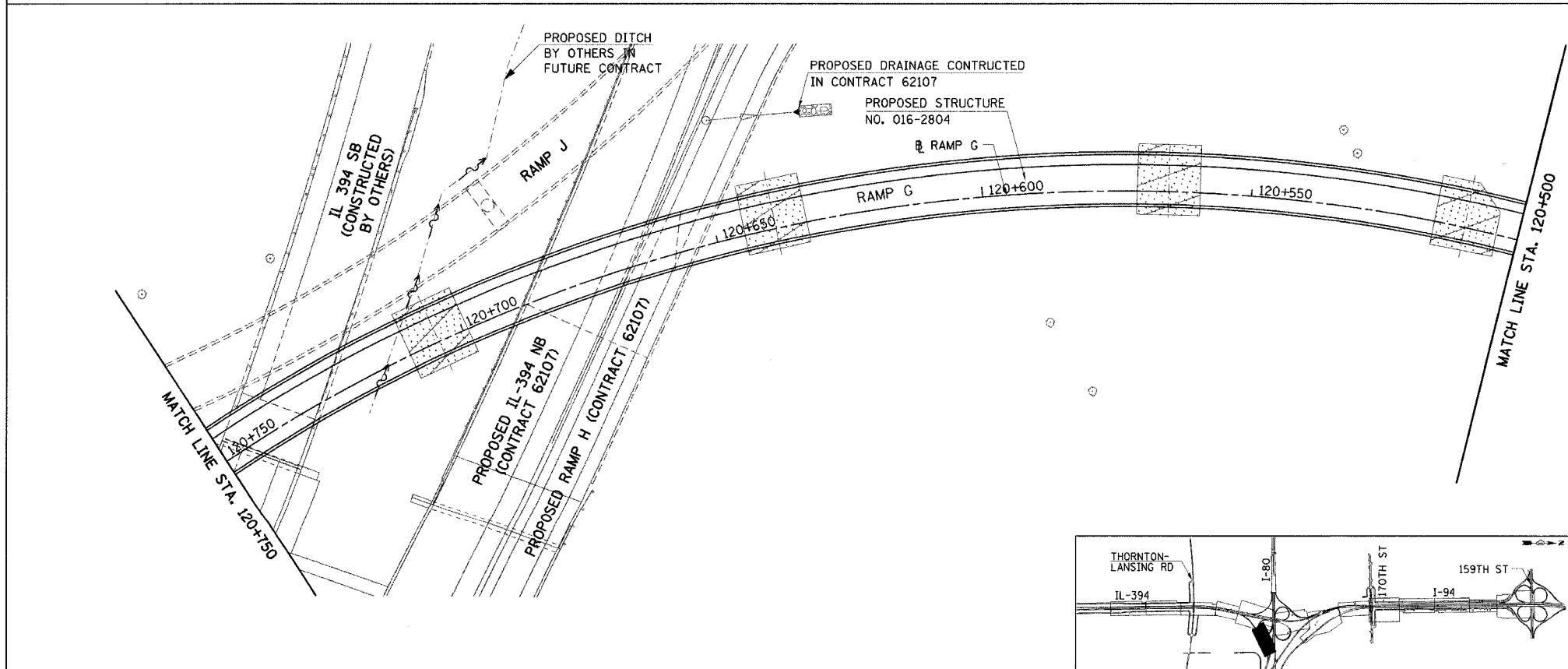
DRAWN BY: JYMC  
 CHECKED BY: MAM

**HNTB**

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	39
STA.	120+750	TO STA.	120+500	
FED ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

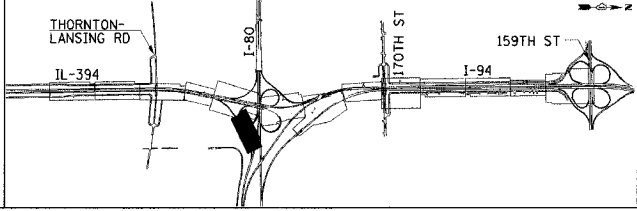


DURING CONSTRUCTION



FINAL CONDITION

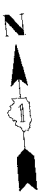
- NOTES:
1. ALL STATIONING AND OFFSET MEASUREMENTS OFF @ RAMP G UNLESS OTHERWISE NOTED.
  2. ALL DIMENSIONS ARE IN METERS (m) UNLESS OTHERWISE NOTED.
  3. SEEDING UNDER RAMP G IS TO BE PLACED 3 METERS SURROUNDING THE PROPOSED PIER LOCATIONS.
  4. CONTRACTOR TO COORDINATE EROSION CONTROL WORK WITH ADJACENT CONTRACTS.



REVISIONS	
NAME	DATE

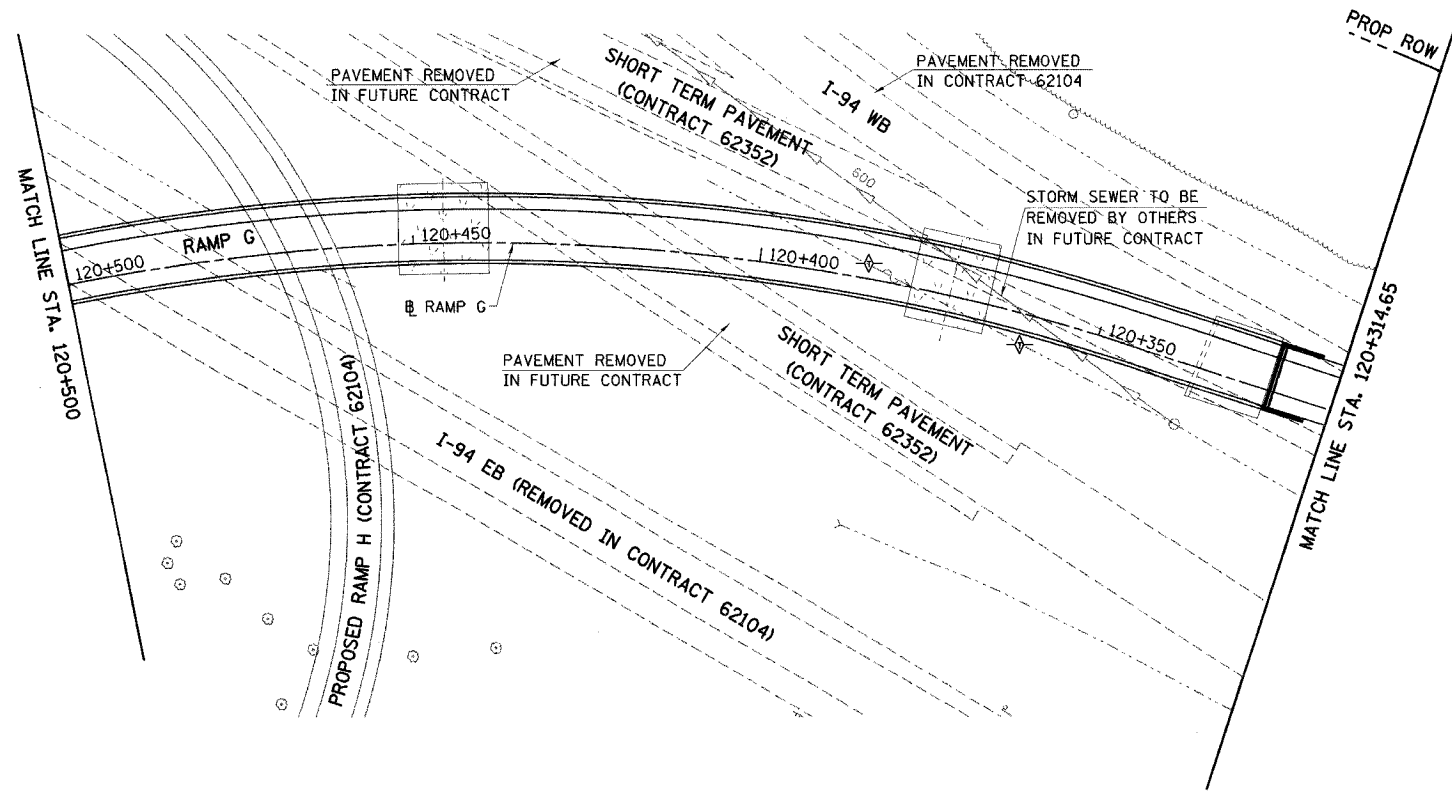
EC-4  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)  
**DRAINAGE AND EROSION  
CONTROL PLANS - RAMP G**  
STA. 120+750 TO STA. 120+500  
HORIZ SCALE: 1:500  
VERT SCALE: NONE  
DATE: MARCH 23, 2005  
DRAWN BY: JYMC  
CHECKED BY: MAM  
**HNTB**

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	40
STA. 120+500		TO STA. 120+314.65		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

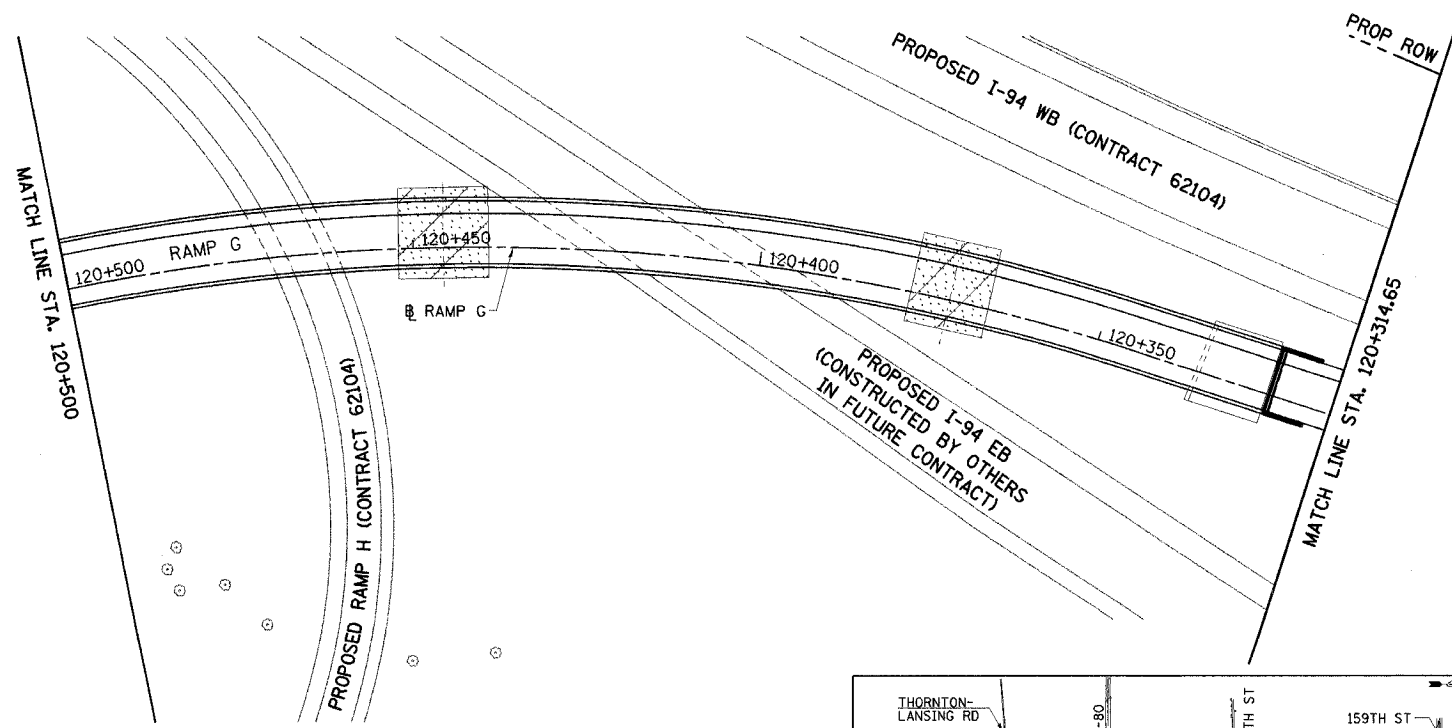


NOTES:

1. ALL STATIONING AND OFFSET MEASUREMENTS OFF RAMP G UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE IN METERS (m) UNLESS OTHERWISE NOTED.
3. SEEDING UNDER RAMP G IS TO BE PLACED 3 METERS SURROUNDING THE PROPOSED PIER LOCATIONS.
4. CONTRACTOR TO COORDINATE EROSION CONTROL WORK WITH ADJACENT CONTRACTS.
5. SEE EC-6 FOR EROSION CONTROL AROUND RAMP G ABUTMENT.



DURING CONSTRUCTION

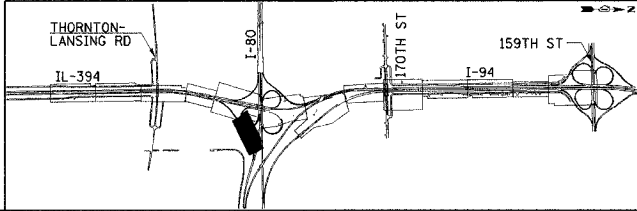


FINAL CONDITION



EC-5

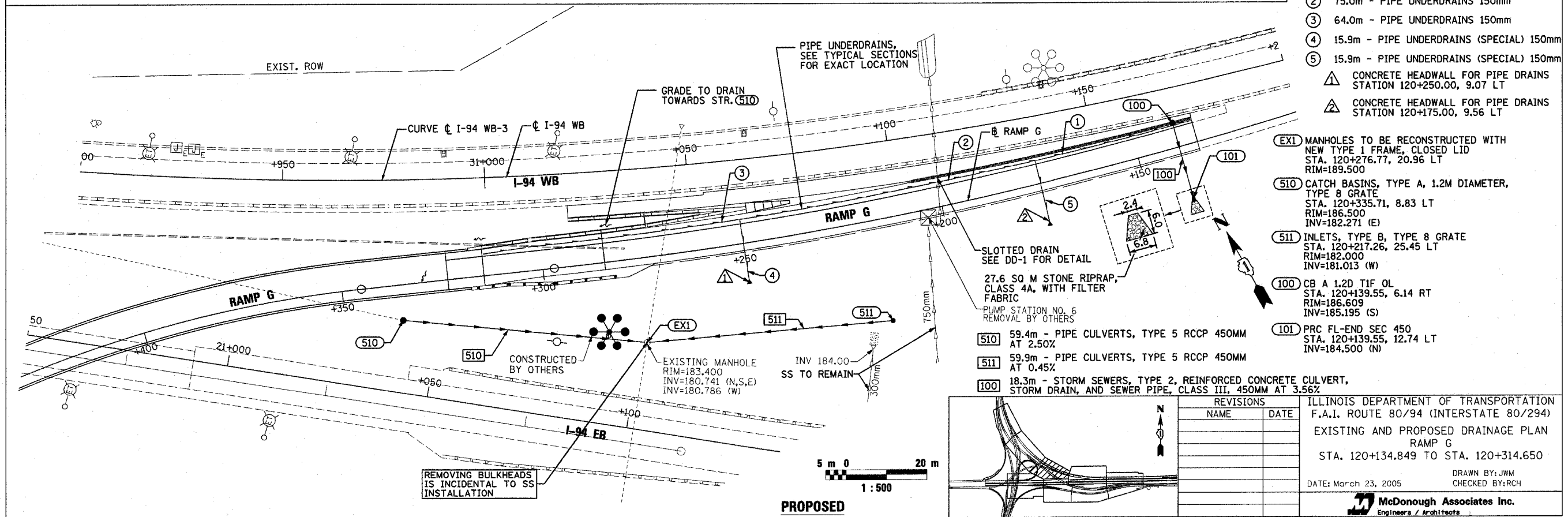
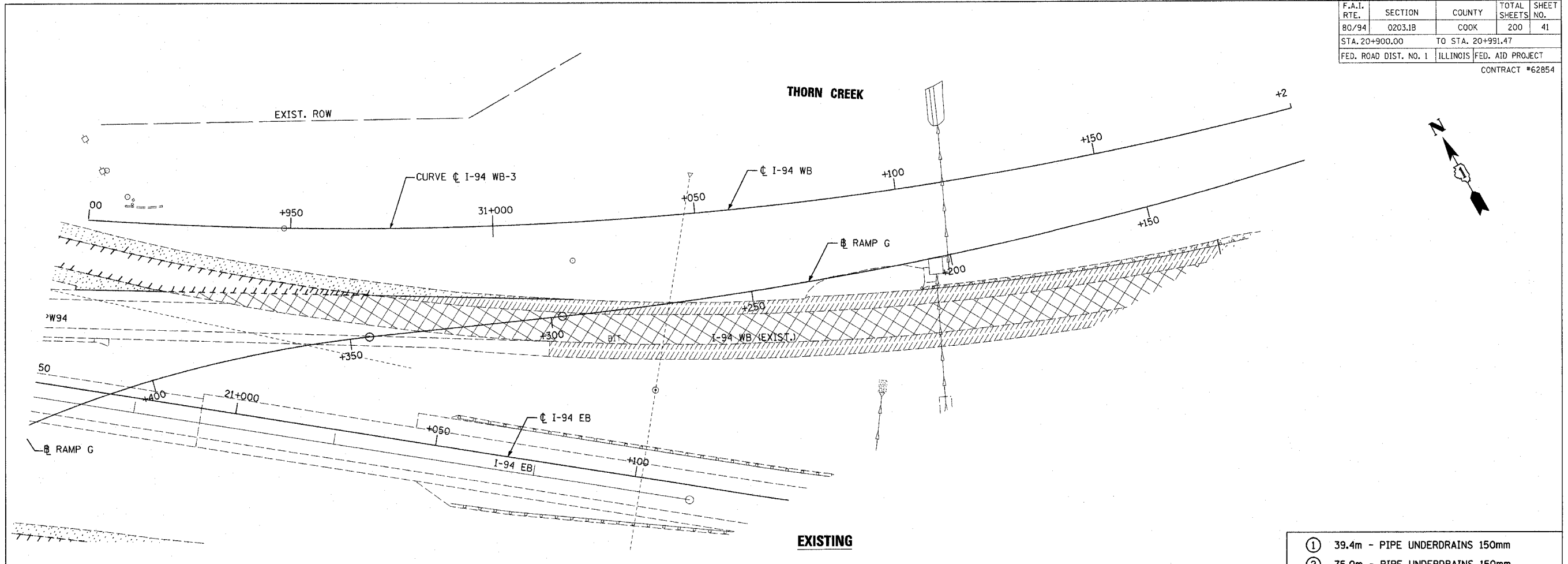
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)  
**DRAINAGE AND EROSION  
 CONTROL PLANS - RAMP G**  
 STA. 120+500 TO STA. 120+314.65  
 HORIZ SCALE: 1:500  
 VERT SCALE: NONE  
 DATE: MARCH 23, 2005  
 DRAWN BY: JYMC  
 CHECKED BY: MAM



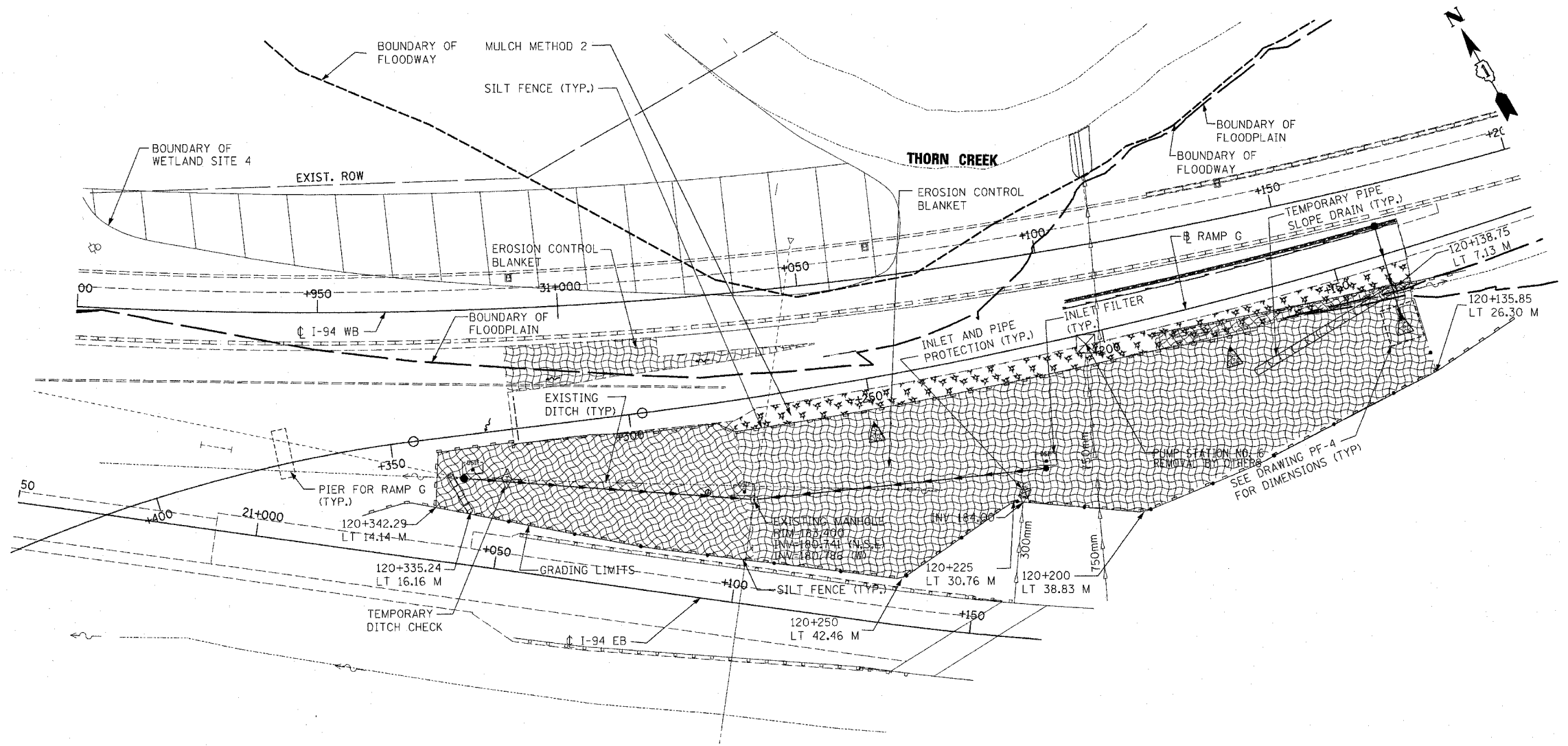
REVISIONS	
NAME	DATE



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	41
STA. 20+900.00		TO STA. 20+991.47		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT #62854				



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	42
STA. 30+875.00	TO STA. 31+175.00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
			CONTRACT #62854	

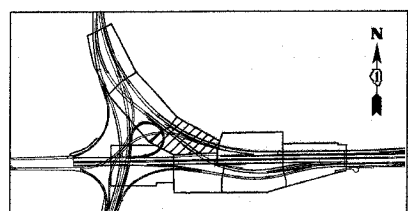


**EROSION AND SEDIMENT CONTROL STRATEGY AND NOTES**

(EC-6 & EC-7)

THE CONTRACTOR SHALL IMPLEMENT THE EROSION CONTROL PLAN IN THE FOLLOWING ORDER:

1. TOPSOIL EXCAVATION (EARTH EXCAVATION)
2. CUT AND FILL EXISTING EMBANKMENT
3. EROSION CONTROL, PLACE TEMPORARY PIPE SLOPE DRAIN AT THE LOW POINT.
4. SEDIMENT CONTROL, PLACE SILT FENCE AT 1:6-1:3 BREAK POINT ALONG RAMP G AND AT GRADING LIMITS ALONG I-94 EB AS SHOWN ON THE EROSION CONTROL PLAN.
5. STABILIZE FROM BACK OF SHOULDER TO 1:6-1:3 BREAK POINT WITH MULCH, METHOD 2.
6. EROSION CONTROL BLANKET OVER DISTURBED SITE.



REVISIONS	
NAME	DATE

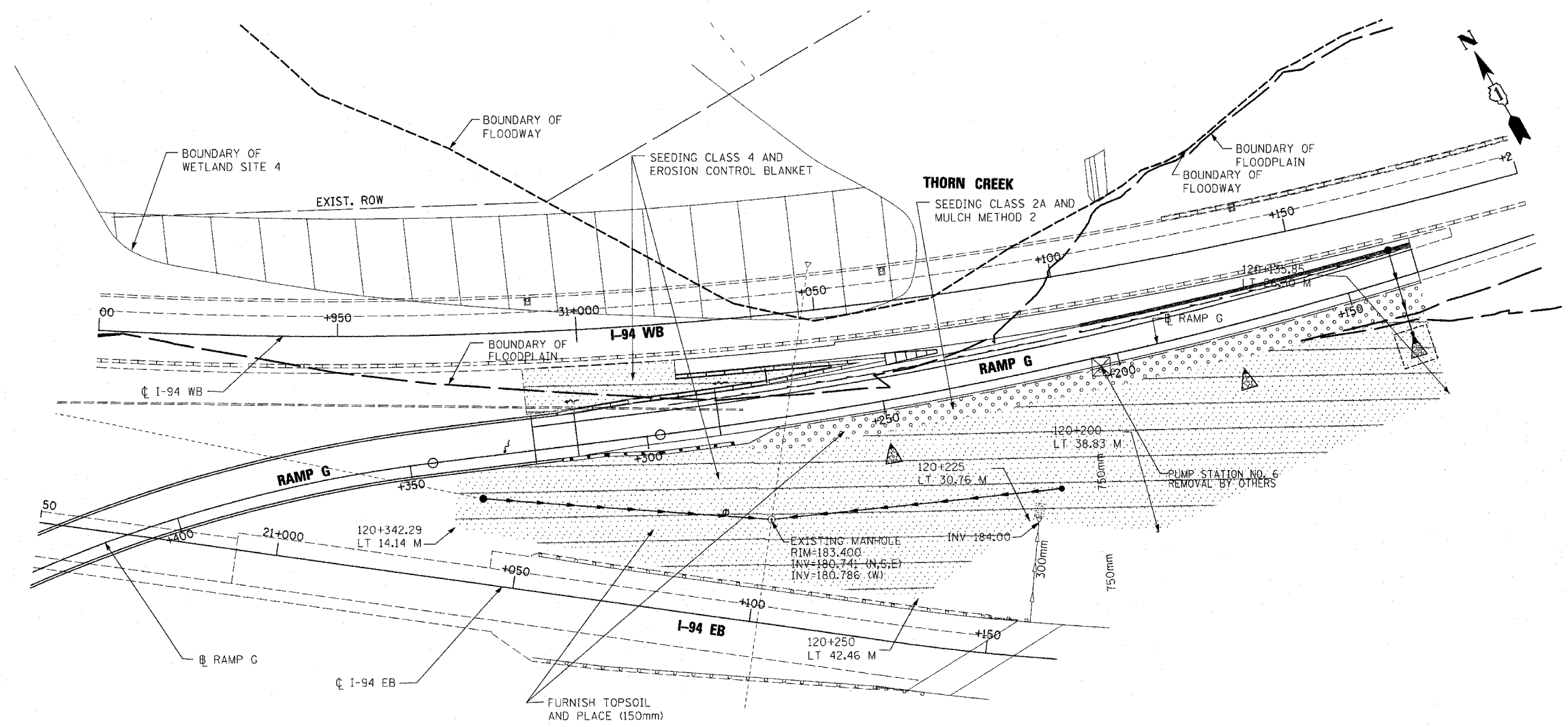
**EC-7**

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 80/94 (INTERSTATE 80/294)  
 EROSION CONTROL PLAN  
 DURING CONSTRUCTION  
 STA. 120+134.849 TO STA. 120+314.650  
 SCALE: 1:500      DRAWN BY: BFH  
 DATE: March 23, 2005      CHECKED BY: PAC

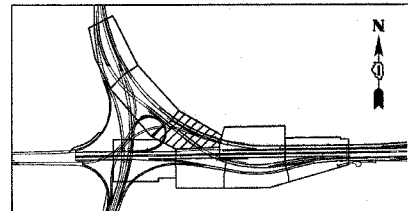
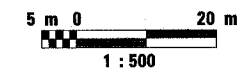
**McDonough Associates Inc.**  
 Engineers / Architects

Contract: 28-wc-8073a.dgn 3/23/2005 2:53:13 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	43
STA. 30+875.00	TO STA. 31+175.00			
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT		CONTRACT #62854	



EC-8



REVISIONS	
NAME	DATE

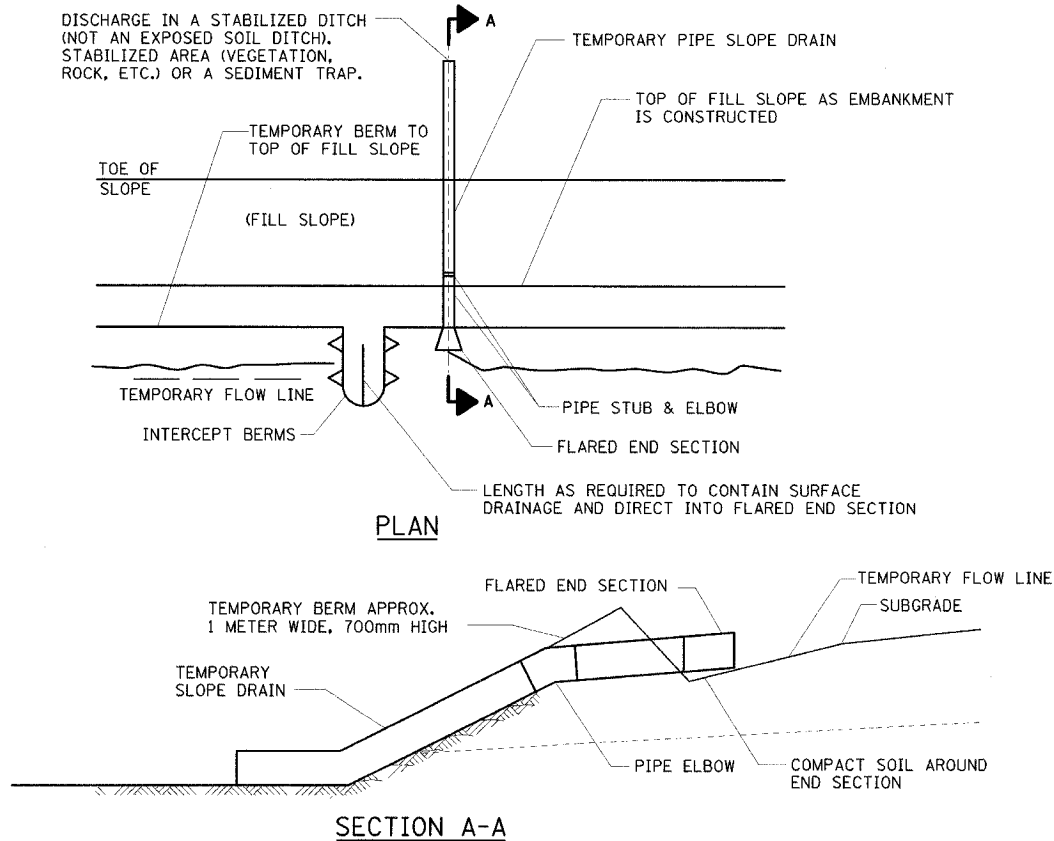
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 80/94 (INTERSTATE 80/294)  
 EROSION CONTROL PLAN  
 FINAL CONDITION  
 STA. 120+134.849 TO STA. 120+314.650  
 SCALE: 1:500  
 DATE: March 23, 2005  
 DRAWN BY:BFH  
 CHECKED BY:PAC

**McDonough Associates Inc.**  
 Engineers / Architects

Contract: 281002003a.dgn 3/23/2005 2:53:37 PM



FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	44
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

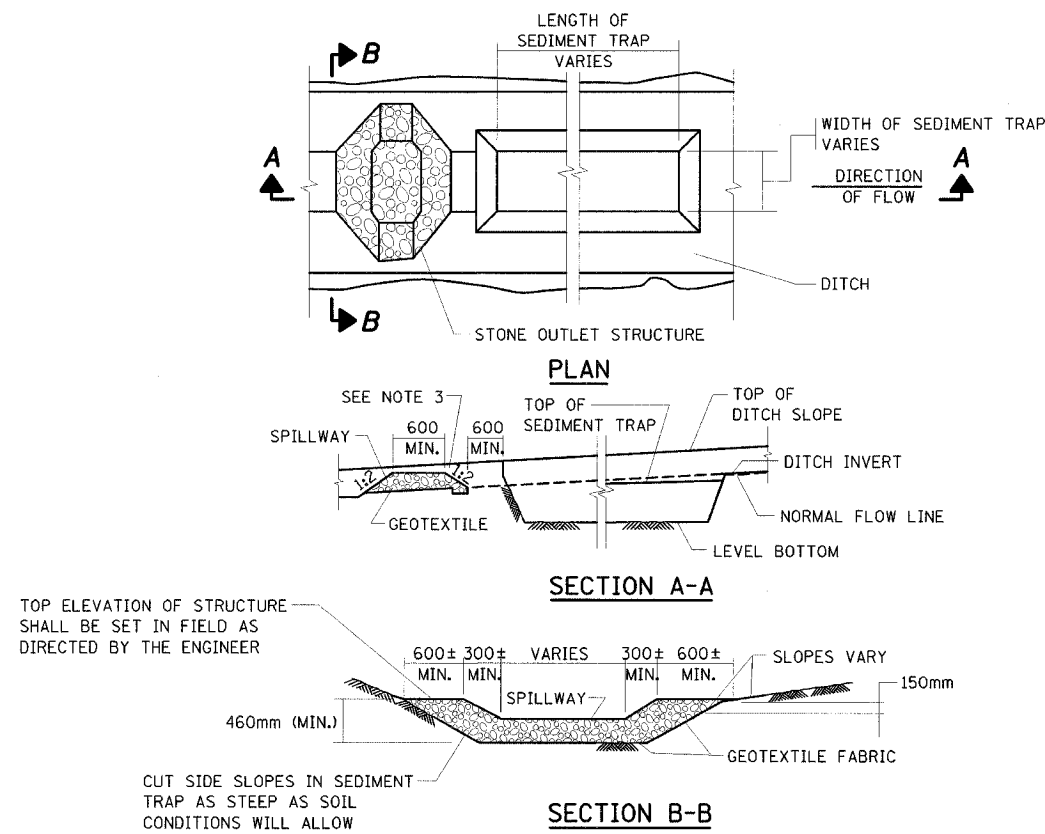


TEMPORARY SLOPE DRAIN SHALL BE USED AT THE TOP OF FILL SLOPE AS EMBANKMENT IS CONSTRUCTED TO PREVENT EXCESSIVE EROSION UNTIL SHOULDERS ARE CONSTRUCTED AND THE SLOPES ARE SEEDING AND MULCHED.

**EROSION CONTROL  
TEMPORARY PIPE SLOPE DRAIN**

**GENERAL NOTES:**

1. ALL DIMENSIONS AND LOCATIONS NOT INDICATED. FOR ITEMS APPEARING ON THIS SHEET OR ON THE PLANS SHALL BE DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL PLACE GEOTEXTILE AROUND THE METAL END SECTION TO PREVENT BLOW-OUTS.
3. ALL TEMPORARY SLOPE DRAINS WILL DISCHARGE INTO THE BACK OF SEDIMENT TRAPS, INTO SEDIMENT BASINS OR DITCHES DISCHARGING INTO TRAPS OR BASINS. SEDIMENT TRAPS ARE INCLUDED IN THE COST OF TEMPORARY PIPE SLOPE DRAIN.
4. PIPE WILL BE SECURED THROUGH USE OF HOLD DOWN STAKES WITH A MAXIMUM SPACING OF 3 METERS.
5. TEMPORARY PIPE SLOPE DRAINS WILL BE SPACED A MAX. OF EVERY 150 METERS ALONG THE FILL WITH A STANDARD DIA. OF 450mm. THIS PIPE SIZE IS ADEQUATE TO HANDLE 0.6 HECTARES OF CONTRIBUTING AREA. SPACING OR SIZE TO BE ADJUSTED IF CONTRIBUTING AREA IS LARGER THAN 0.6 HECTARES. AT LEAST TWO TEMPORARY PIPE SLOPE DRAINS WILL BE PLACED IN EVERY SAG.
6. STAPLES SHALL BE USED TO ANCHOR THE FILTER FABRIC AND SHALL BE UNIFORMLY SPACED AT APPROXIMATELY 300mm.



1. USE IN EXISTING, PROPOSED AND TEMPORARY DITCHES OF ALL TYPES AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
2. THE STONE OUTLET STRUCTURES SHALL BE REPLACED DUE TO WASHOUT, CONSTRUCTION TRAFFIC DAMAGE OR SILT ACCUMULATION. THE SILT SHALL BE CLEANED WHEN THE TRAP IS 50% FULL.
3. THIS WORK WILL BE PAID FOR UNDER THE FOLLOWING ITEMS: EARTH EXCAVATION FOR EROSION CONTROL, STONE RIPRAP, CLASS A4 FILTER FABRIC FOR USE WITH RIPRAP.

**STONE OUTLET STRUCTURE SEDIMENT TRAP**  
USE AS DIRECTED BY ENGINEER

DRAINAGE AREA	L	W	CAPACITY CM
0.2ha	23m	3m	53
0.4ha	44m	3m	103
0.6ha	44m	4.6m	154
0.80ha	60m	4.6m	207

NOTE:  
ALL DIMENSIONS ARE BASED UPON AN AVERAGE DEPTH OF 760mm AND PROVIDING, AS A MINIMUM 102 CUBIC METERS OF STORAGE PER Ha OF RUNOFF. L AND W ARE MEASURED ALONG THE BOTTOM OF THE TRAP. WHENEVER POSSIBLE, THE MAXIMUM AVERAGE DEPTH OF THE TRAP WILL BE 760mm. THE MAXIMUM DRAINAGE ALLOWED PER TRAP IS 2ha. THE DRAINAGE AREA IS THE TOTAL (INCLUDING OFF-SITE) AREA.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)

**EROSION AND SEDIMENT CONTROLS  
DETAILS**

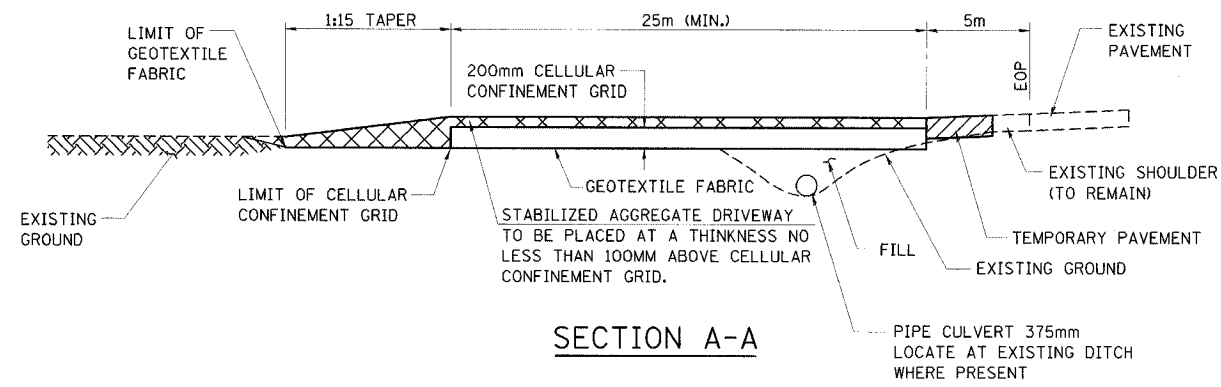
HORIZ SCALE: NONE  
VERT SCALE: NONE  
DATE: MARCH 23, 2005

DRAWN BY: DKB  
CHECKED BY: MAM

**HNTB**



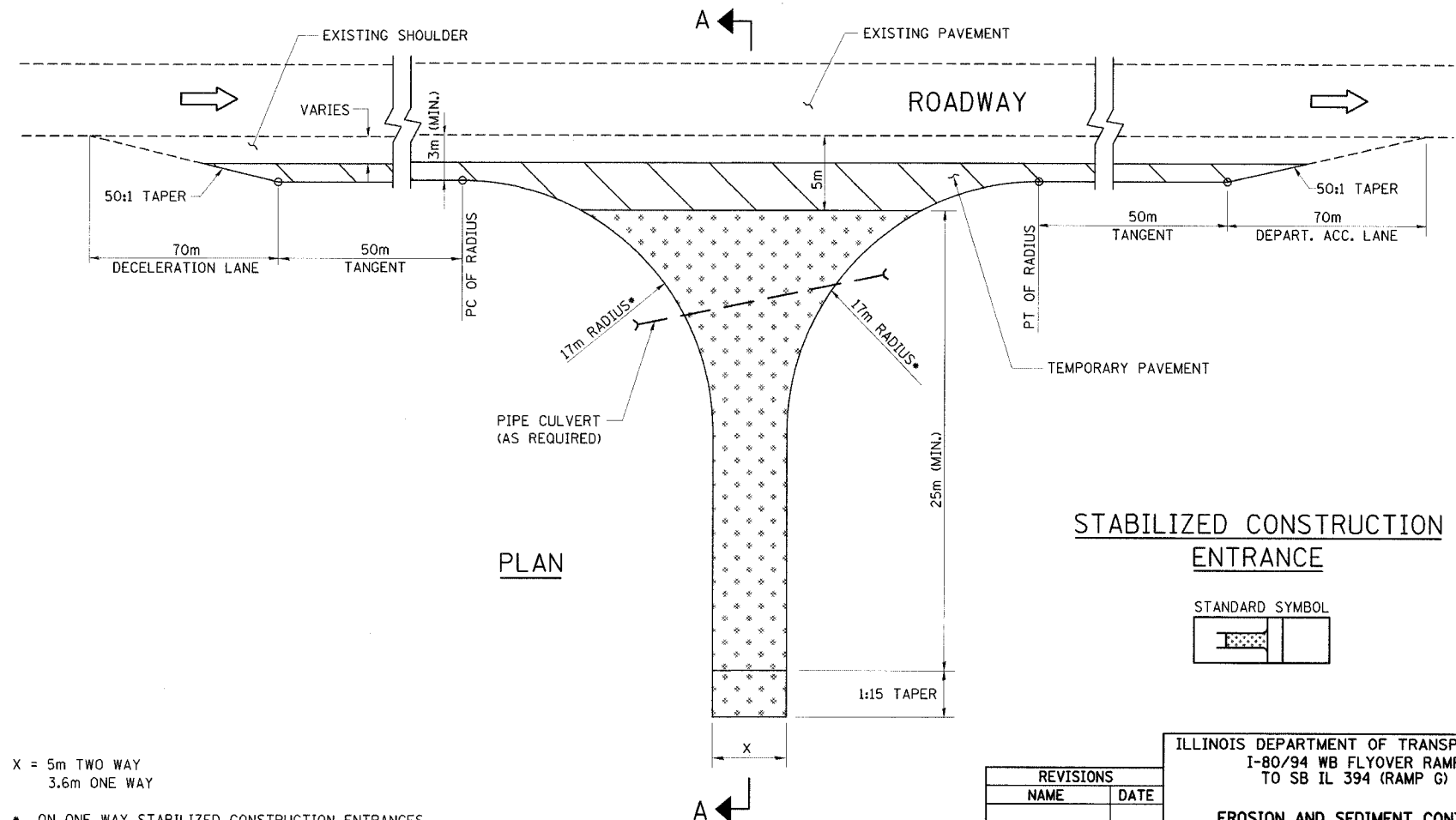
FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	45
STA.	TO STA.			
FED ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



SECTION A-A

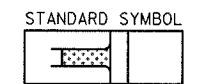
CONSTRUCTION SPECIFICATIONS AND NOTES

- STABILIZED CONSTRUCTION ENTRANCE
  - LENGTH - AS REQUIRED, BUT NOT LESS THAN 25 METERS.
  - THICKNESS - NOT LESS THAN 100mm, ABOVE TOP OF CELLULAR CONFINEMENT GRID.
- TEMPORARY PAVEMENT
  - PROVIDE A MINIMUM WIDTH OF 3.0m OF SHOULDER AND TEMPORARY PAVEMENT FOR DECELERATION/ACCELERATION LANE.
  - TEMPORARY PAVEMENT THICKNESS SHALL BE 255 mm. AND CONSIST OF: BITUMINOUS BASE COURSE, SUPERPAVE 210 mm BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, N50, MIX D 45 mm
  - A 2.0m, APRON SHALL BE PROVIDED IN ADDITION TO 3.0m WIDTH.
- ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
- STABILIZED CONSTRUCTION ENTRANCES SHALL NOT BE PLACED DIRECTLY ACROSS FROM EACH OTHER.
- EXISTING DITCH DRAINAGE TO BE MAINTAINED.
- GRADE FILL TO 1:10 ON APPROACH SIDE OF ENTRANCE
- FOR TRAFFIC CONTROL FOR STABILIZED CONSTRUCTION/EXIT DETAIL



PLAN

STABILIZED CONSTRUCTION ENTRANCE



LEGEND

- TEMPORARY PAVEMENT
- STABILIZED AGGREGATE DRIVEWAY

X = 5m TWO WAY  
3.6m ONE WAY

- ON ONE WAY STABILIZED CONSTRUCTION ENTRANCES THE MAJOR MOVEMENT RADIUS SHALL BE 17 METERS. THE MINOR RADIUS AS CALLED OUT ON THE PLAN BUT NOT LESS THAN 3m ALSO THE UNNECESSARY TAPER AND TANGENT WILL NOT BE BUILT.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)

**EROSION AND SEDIMENT CONTROLS  
STABILIZED CONSTRUCTION ENTRANCE**

HORIZ SCALE:  
VERT SCALE:  
DATE: MARCH 23, 2005

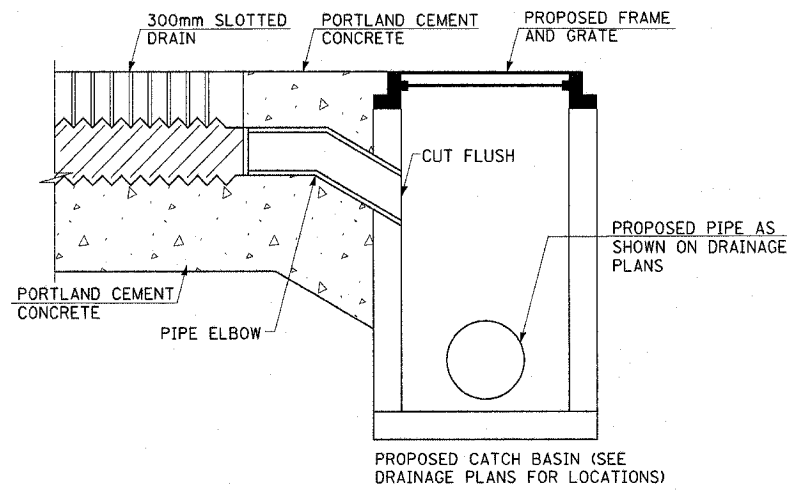
DRAWN BY: MAM  
CHECKED BY: JES

**HNTB**

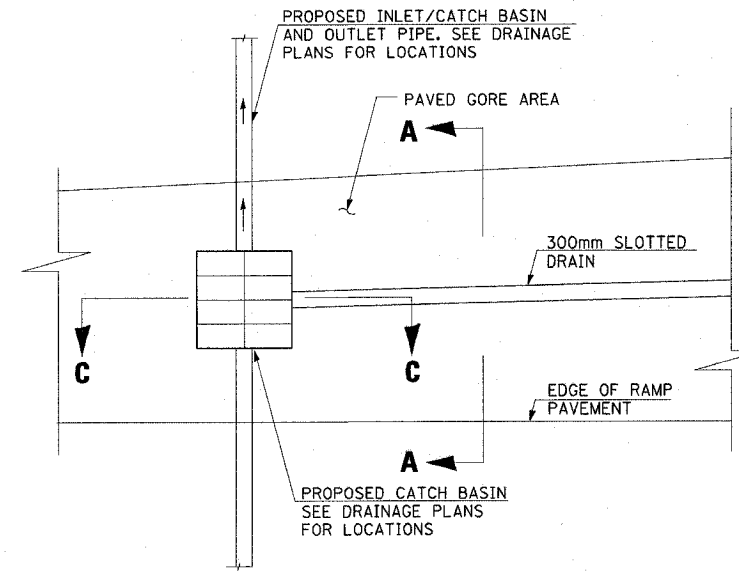
EC-10

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	46
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT #62854				

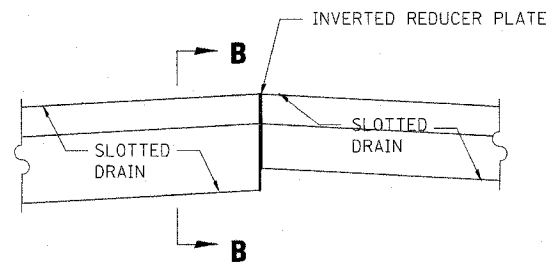
ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED



**SECTION C-C**  
CONNECTION TO PROPOSED CATCH BASIN

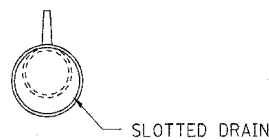


**PLAN**



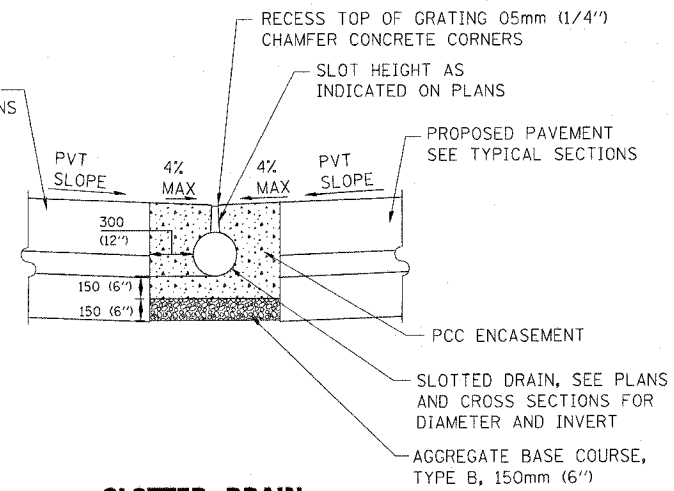
**INVERTED REDUCER PLATE**

COST INCLUDED IN THE UNIT PRICE OF SLOTTED DRAIN



**SECTION B-B**

PROPOSED PAVEMENT SEE TYPICAL SECTIONS



**SLOTTED DRAIN TYPICAL SECTION A-A**

SEE PLANS FOR ADJACENT GORE AREA AND PAVEMENT SLOPES

**NOTES:**

- ALL SLOTTED DRAINS ARE 300mm (12 IN) DIAMETER. SLOT WIDTH SHALL BE 44mm (1-3/4 IN.). SPACER BARS SHALL BE 4.7mm (3/16 IN.) SOLID WEB SPACERS ON 150mm (6 IN. CENTERS) FOR THE FULL DEPTH OF THE GRATING.
- THE HEIGHT OF THE SLOT CAN BE VARIED FROM 60mm TO 300mm MAX. IN ORDER TO INCREASE SLOPE AND VELOCITY OF PIPE PROVIDING SELF CLEANING ABILITY.
- WHEN CONSTANT HEIGHT OF SLOT IS SPECIFIED, IT WILL BE 150mm. WHEN VARIABLE HEIGHT SLOT IS USED, UPSTREAM INVERT TO BE 60mm OR APPROPRIATE DEPTH TO MAINTAIN 60mm MIN. HEIGHT OF SLOT.
- THE UPSTREAM END OF EACH SLOTTED DRAIN INSTALLATION SHALL BE SEALED WITH A WELDED END PLATE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- THE SLOTTED DRAIN SHALL BE INSTALLED IN A TRENCH EXCAVATED TO THE REQUIRED GRADE, AS SHOWN IN SECTIONS, WIDE ENOUGH TO ACCOMMODATE PIPE DRAIN. IF TRENCH IS EXCAVATED TOO DEEP, ADDITIONAL DEPTH SHALL BE FILLED WITH APPROVED FINE AGGREGATE AND COMPACTED TO THE SATISFACTION OF THE ENGINEER.
- CONNECTION TO EXISTING AND PROPOSED DRAINAGE STRUCTURES IS INCLUDED IN THE UNIT PRICE OF THE SLOTTED DRAIN. ALL MATERIALS REQUIRED FOR CONNECTION INCLUDED IN UNIT PRICE OF SLOTTED DRAIN.
- PRIOR TO BACKFILLING THE SLOTTED DRAIN SHALL BE COVERED TO PREVENT THE INTRUSION OF FOREIGN MATERIAL DURING BACKFILLING AND PAVING OPERATIONS.

**SLOTTED DRAIN RAMP G AND I-94WB GORE**

SLOTTED DRAIN STATION	SLOTTED DRAIN OFFSET	TOP OF GRATING	SLOTTED DRAIN INVERT
120+206.260	7.45 RT	187.882	187.282
120+200.630	7.34 RT	187.773	187.169
120+190.430	7.14 RT	187.578	186.965
120+180.240	6.94 RT	187.383	186.762
120+170.060	6.74 RT	187.188	186.558
120+159.890	6.54 RT	186.994	186.355
120+149.720	6.34 RT	186.799	186.151
120+140.320	6.16 RT	186.604	185.963
120+140.320	6.16 RT	186.604	185.882
120+138.780	6.13 RT	186.513	185.913

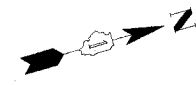
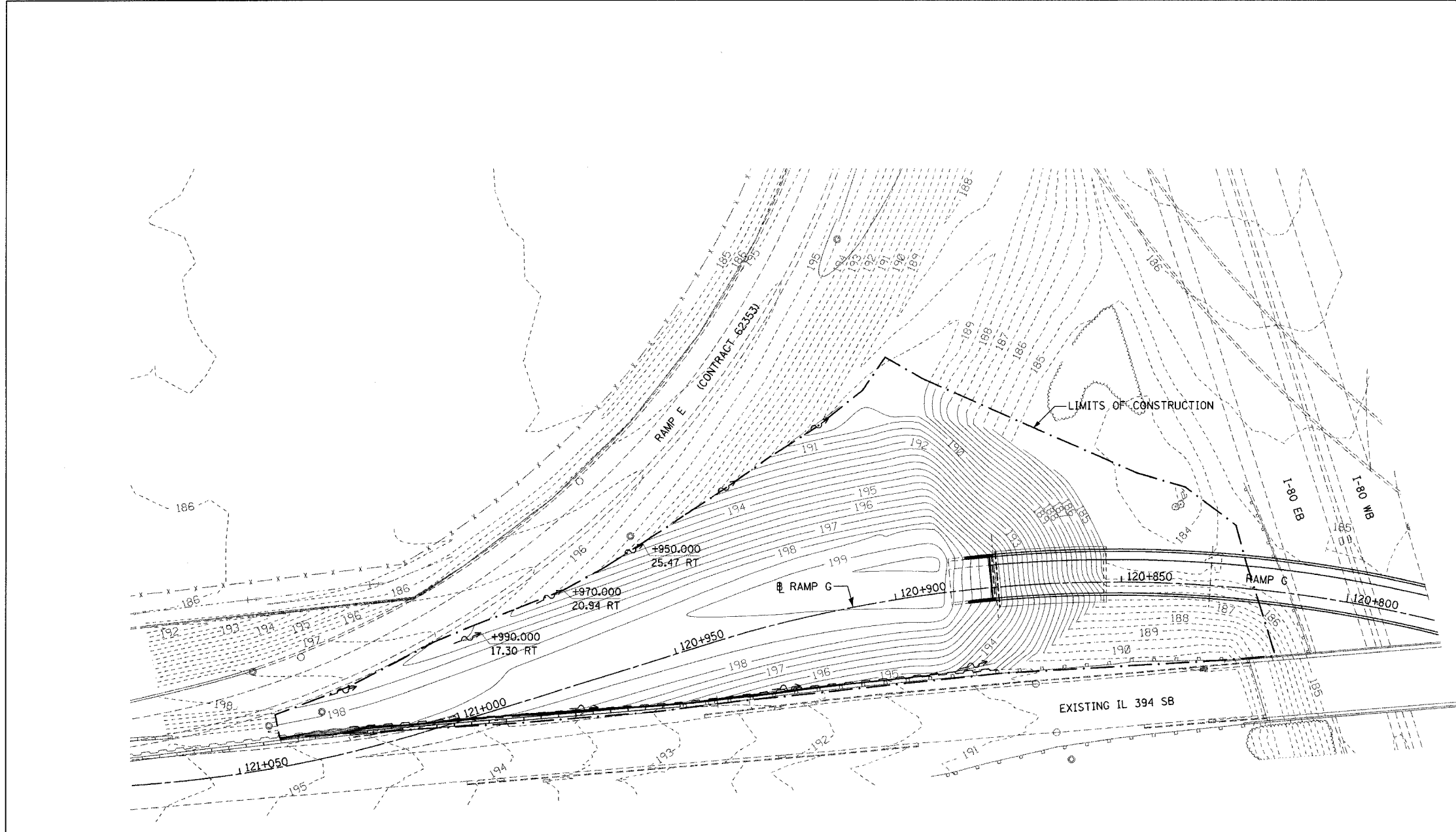
STR 100

**DD-1**

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)
NAME	DATE	
		DRAINAGE DETAILS I
		SCALE: DATE 06/04
		DRAWN BY ACE/CAD CHECKED BY



FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	47
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**LEGEND**

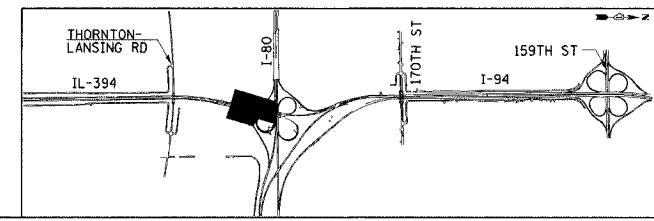
---190---	EXISTING CONTOUR
—190—	PROPOSED CONTOUR

IG-1

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)

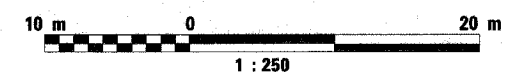
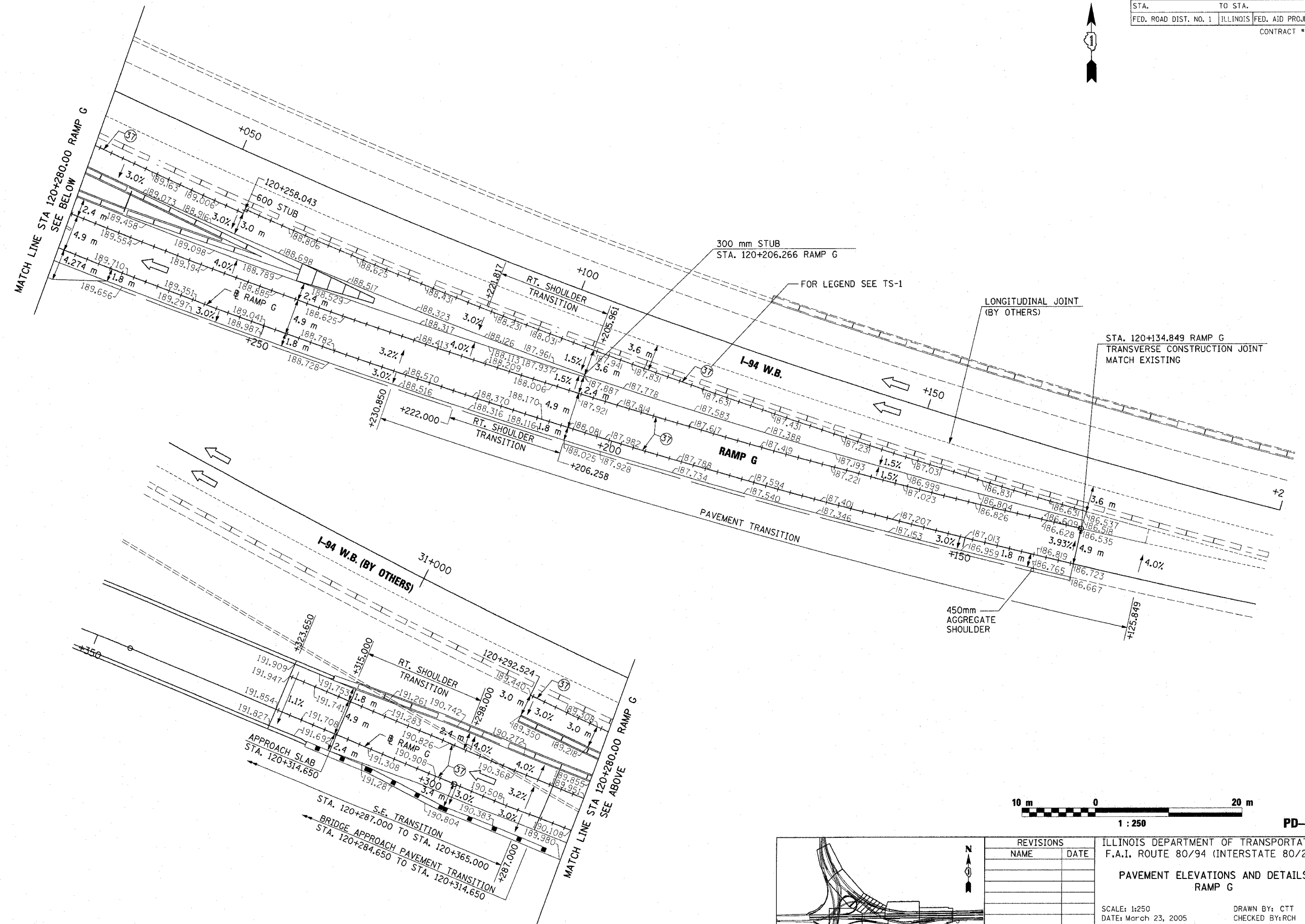
**GRADING PLAN**

HORIZ SCALE: 1:500  
VERT SCALE:  
DATE: MARCH 23, 2005  
DRAWN BY: BJM  
CHECKED BY: JES

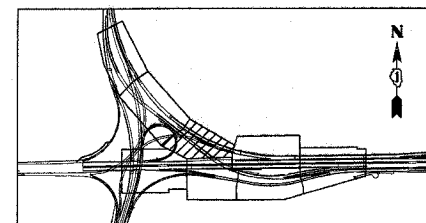


REVISIONS	
NAME	DATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	48
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT #62854				



PD-1



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)  PAVEMENT ELEVATIONS AND DETAILS RAMP G
NAME	DATE	

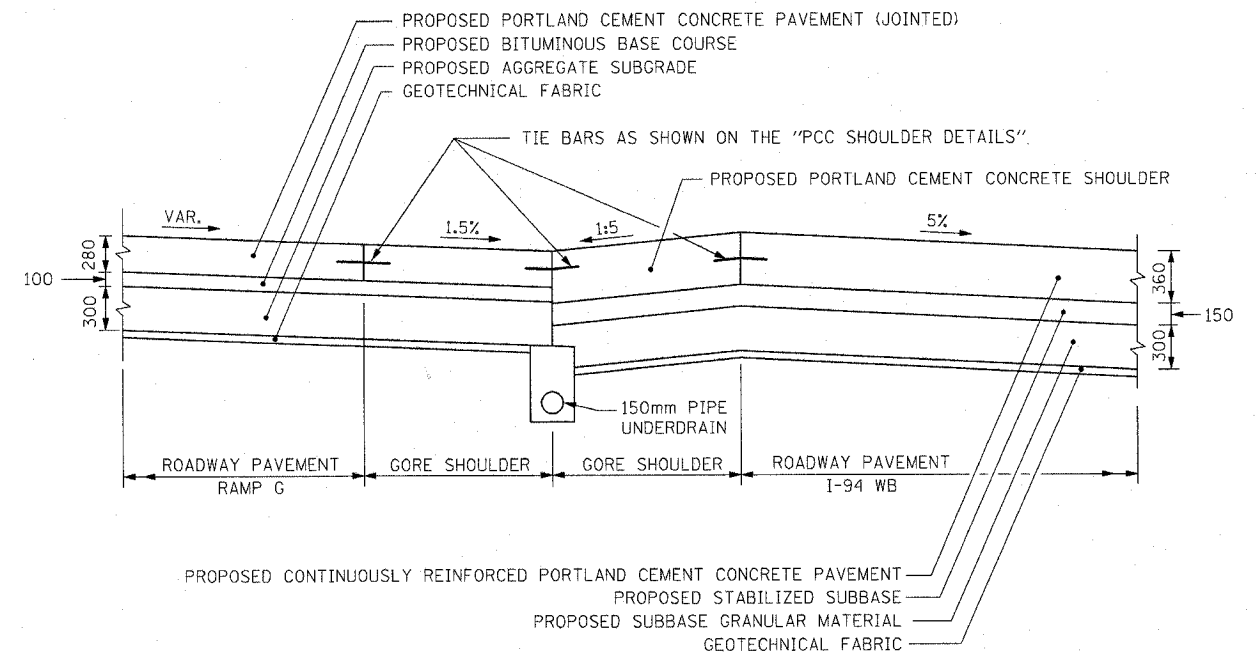
SCALE: 1:250  
DATE: March 23, 2005

DRAWN BY: CTT  
CHECKED BY: RCH

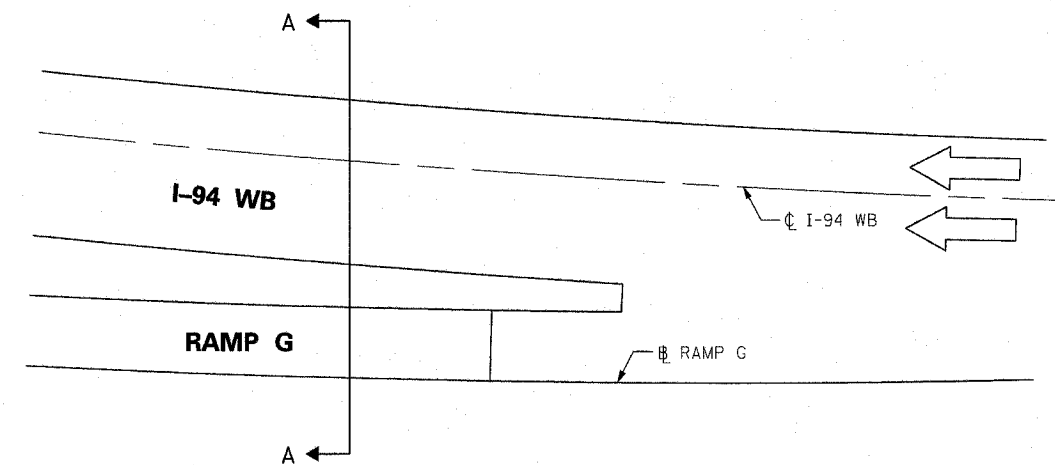
**McDonough Associates Inc.**  
Engineers / Architects

Contract: 2810000003.dwg 3/23/2005 7:54:55 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	49
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT #62854				



SECTION A-A



PLAN

GORE BETWEEN CRC MAINLINE PAVEMENT  
AND JOINTED RAMP PAVEMENT

MD-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

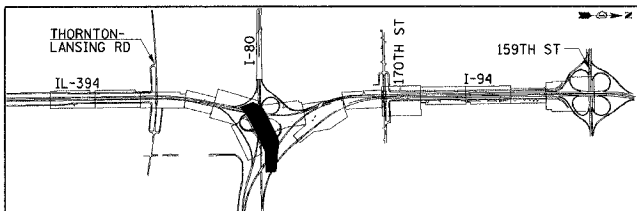
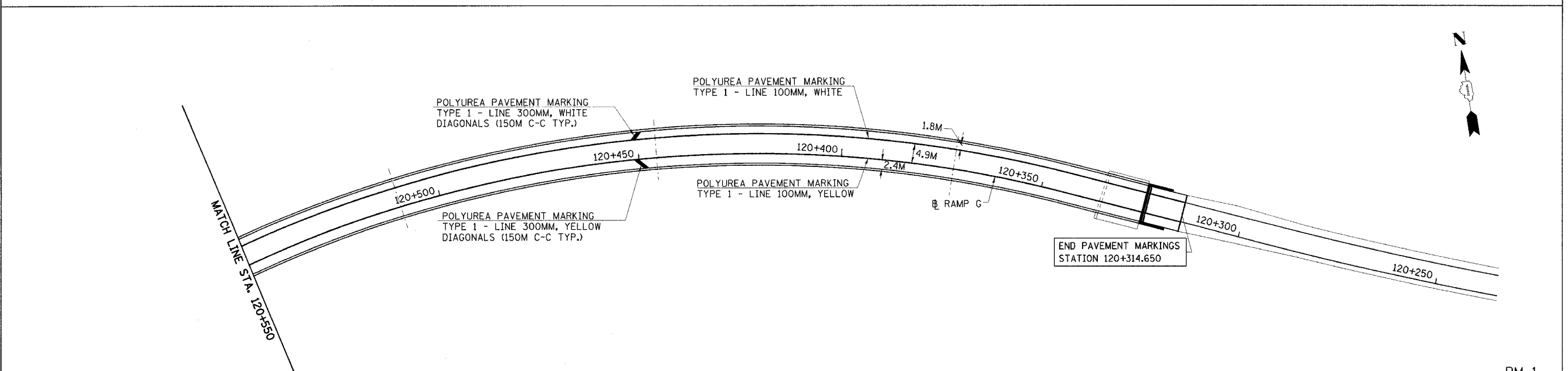
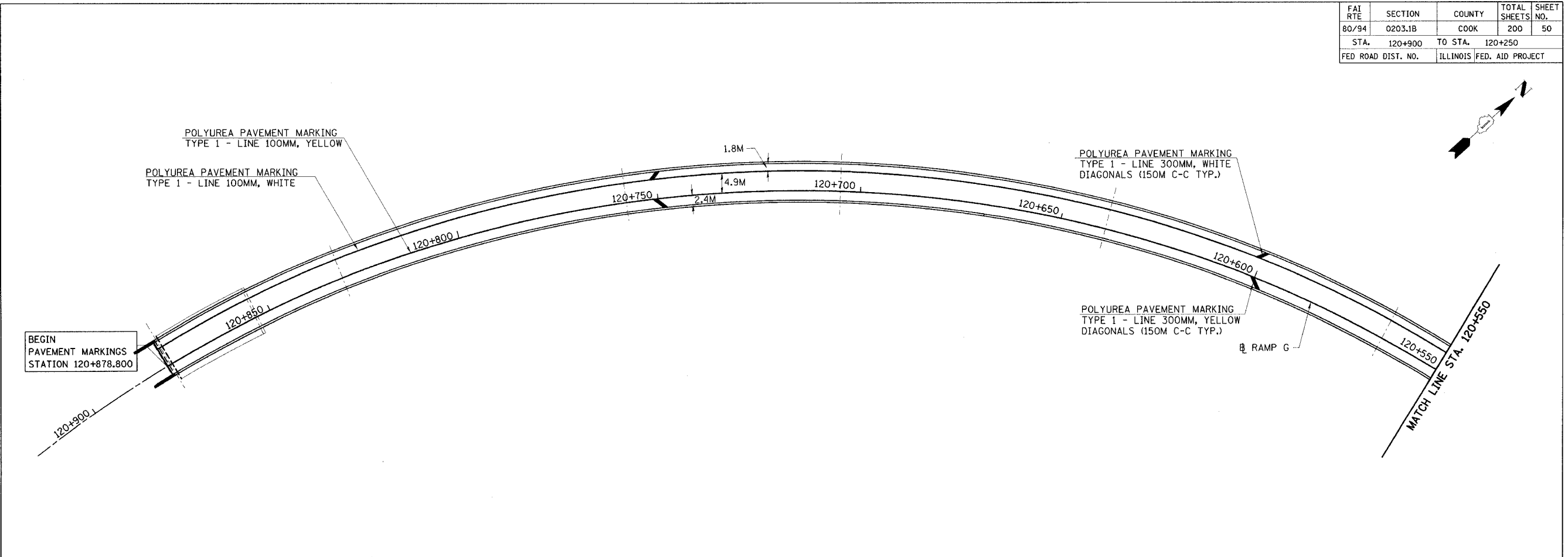
PAVEMENT & SUBGRADE TRANSITION  
AND GORE DETAILS

DATE: March 23, 2005

DRAWN BY: JPW  
CHECKED BY: PAC

**McDonough Associates Inc.**  
Engineers / Architects

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	50
STA. 120+900		TO STA. 120+250		
FED ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT



REVISIONS	
NAME	DATE

PM-1

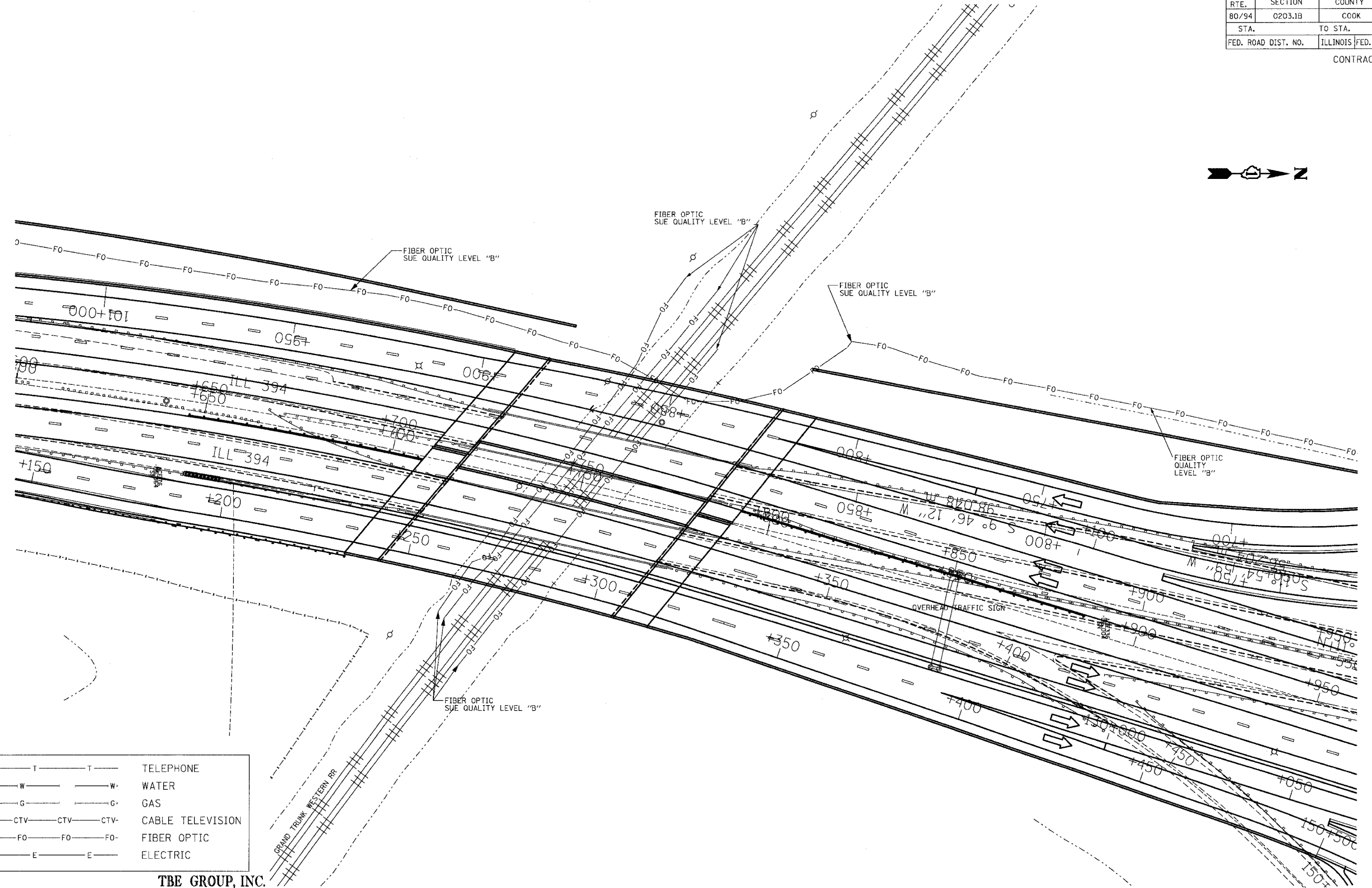
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)  
**PAVEMENT MARKING PLAN**  
 RAMP G  
 STA. 120+900 TO STA. 120+250

HORIZ SCALE: 1:500  
 VERT SCALE:  
 DATE: MARCH 23, 2005

DRAWN BY: STS  
 CHECKED BY: JES

**HNTB**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	51
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62854				



— T — T —	TELEPHONE
— W — W —	WATER
— G — G —	GAS
— CTV — CTV — CTV —	CABLE TELEVISION
— FO — FO — FO —	FIBER OPTIC
— E — E —	ELECTRIC

**TBE GROUP, INC.**  
 CIVIL ENGINEERING • TRANSPORTATION • ENVIRONMENTAL  
 PLANNING • UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA



205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

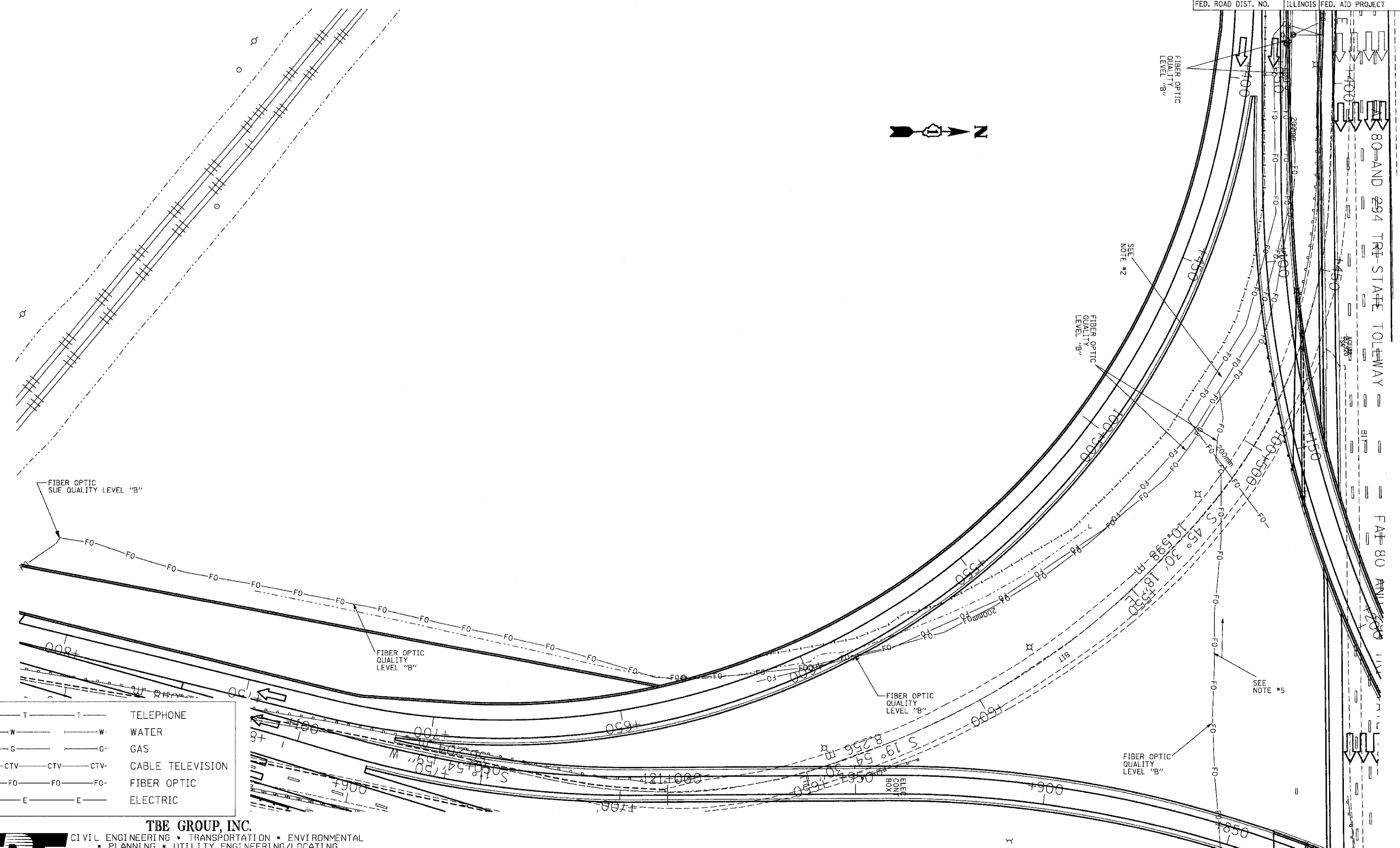
Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards as of 2/8/02. All other information shown has been provided to TBE Group, Inc by others.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 E. of IL RT. 83/US RT. 6 to E. Burnham Ave.  
 I-80/I-94 Burnham Ave. to State Line  
 I-80/I-94 (Tollway) E. of I-94 to W. of RT. 83/US 6.  
 I-94/IL RT. 394 S. of US 6 to 186th Street (N. bound & S. bound)  
 Contract No. 62110, 62111, 62114, 62105, 62107, 62108  
 SCALE: 500 DRAWN BY: JAC  
 SOL "B" DATE: 2/8/02 CHECKED BY:

IL09500122  
 TBE SUE PAGE NO: 12 of 52  
 Signature \_\_\_\_\_  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

CONTRACT NO. 62854	F.A.I. RTE. 80/94	SECTION 0203.1B	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 52
STA.	TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.					



T	T	TELEPHONE
W	W	WATER
G	G	GAS
CTV	CTV	CABLE TELEVISION
FO	FO	FIBER OPTIC
E	E	ELECTRIC

**TBE GROUP, INC.**  
 CIVIL ENGINEERING • TRANSPORTATION • ENVIRONMENTAL  
 PLANNING • UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA



205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards as of 2/8/02. All other information shown has been provided to TBE Group, Inc by others.

REVISIONS	
NAME	DATE

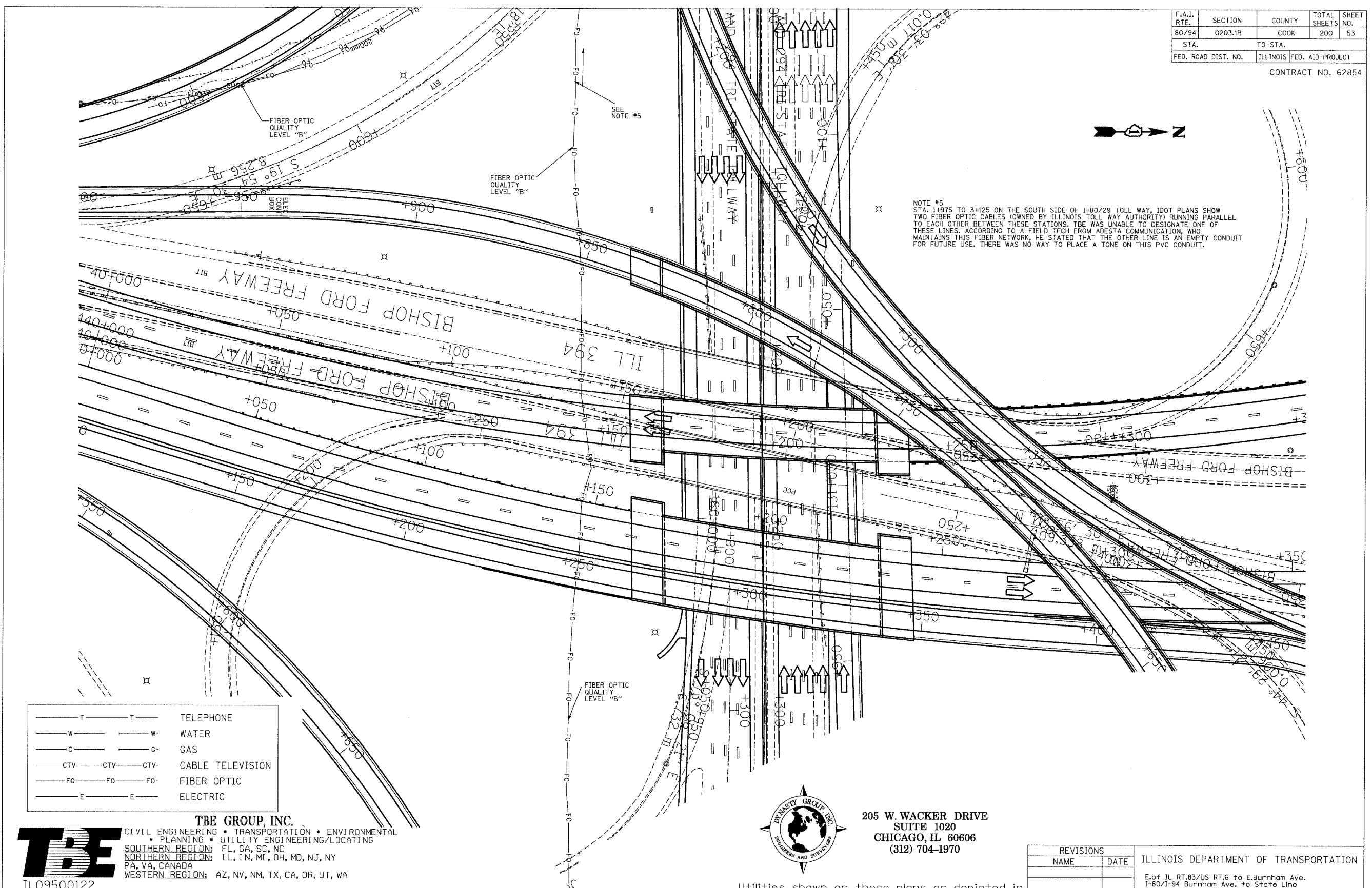
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 E. of IL RT. 83/US RT. 6 to E. Burnham Ave.  
 I-80/I-94 Burnham Ave. to State Line  
 I-80/I-94 (Tollway) E. of I-94 to W. of RT. 83/US 6.  
 I-94/IL RT. 394 S. of US 6 to 186th Street (N. bound & S. bound)  
 Contract No. 62110, 62111, 62114, 62105, 62107, 62108  
 SCALE : 500 DRAWN BY : JAC  
 SQL "B" DATE : 2/8/02 CHECKED BY :

IL09500122  
 TBE SUE PAGE NO: 13 of 52  
 Signature \_\_\_\_\_  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	53
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 62854



NOTE #5  
 STA. 1+975 TO 3+125 ON THE SOUTH SIDE OF I-80/29 TOLL WAY, IDOT PLANS SHOW TWO FIBER OPTIC CABLES (OWNED BY ILLINOIS TOLL WAY AUTHORITY) RUNNING PARALLEL TO EACH OTHER BETWEEN THESE STATIONS. TBE WAS UNABLE TO DESIGNATE ONE OF THESE LINES. ACCORDING TO A FIELD TECH FROM ADESTA COMMUNICATION, WHO MAINTAINS THIS FIBER NETWORK, HE STATED THAT THE OTHER LINE IS AN EMPTY CONDUIT FOR FUTURE USE. THERE WAS NO WAY TO PLACE A TONE ON THIS PVC CONDUIT.

— T — T —	TELEPHONE
— W — W —	WATER
— G — G —	GAS
— CTV — CTV — CTV —	CABLE TELEVISION
— FO — FO — FO —	FIBER OPTIC
— E — E —	ELECTRIC

**TBE GROUP, INC.**  
 CIVIL ENGINEERING • TRANSPORTATION • ENVIRONMENTAL  
 PLANNING • UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500122  
 TBE SUE PAGE NO: 14 of 52  
 Signature \_\_\_\_\_  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating



205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

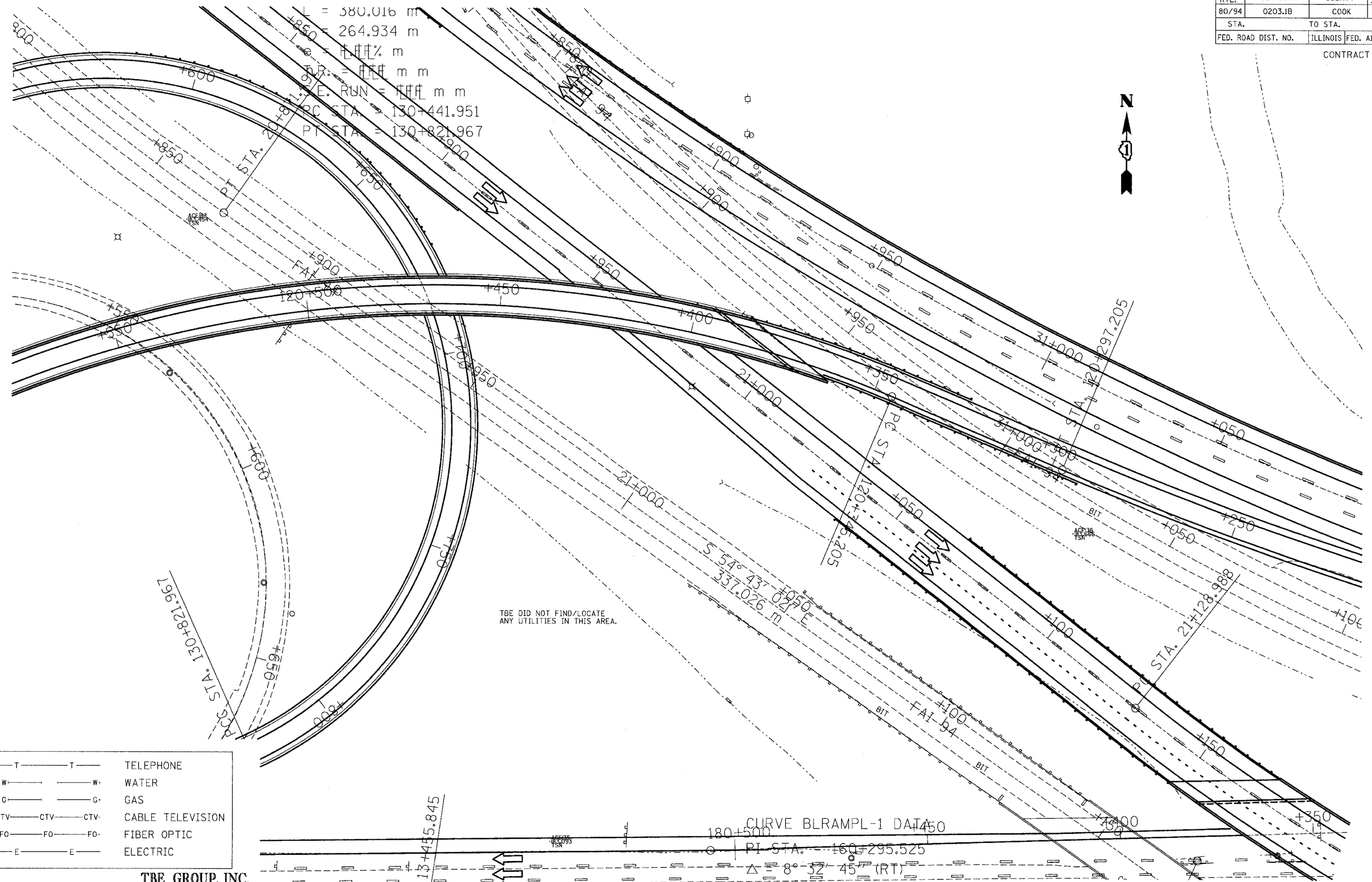
Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards as of 2/8/02.  
 All other information shown has been provided to TBE Group, Inc by others.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		E. of IL RT. 83/US RT. 6 to E. Burnham Ave. I-80/I-94 Burnham Ave. to State Line I-80/I-94 (Tollway) E. of I-94 to W. of RT. 83/US 6. I-94/IL RT. 394 S. of US 6 to 186th Street (Nbound & Sbound)

Contract No. 62110, 62111, 62114, 62105, 62107, 62108  
 SCALE : 500 DRAWN BY : JAC  
 SOL "B" DATE : 2/8/02 CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	54
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 62854



TBE DID NOT FIND/LOCATE ANY UTILITIES IN THIS AREA.

— T — T —	TELEPHONE
— W — W —	WATER
— G — G —	GAS
— CTV — CTV — CTV —	CABLE TELEVISION
— FO — FO — FO —	FIBER OPTIC
— E — E —	ELECTRIC

**TBE GROUP, INC.**  
 CIVIL ENGINEERING • TRANSPORTATION • ENVIRONMENTAL  
 PLANNING • UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA



205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

CURVE BLRAMPL-1 DATA  
 PI STA. --- 160+295.525  
 $\Delta = 8^\circ 52' 45''$  (RT)  
 R = 400.000

IL09500122  
 TBE SUE PAGE NO: 49 of 52  
 Signature \_\_\_\_\_  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

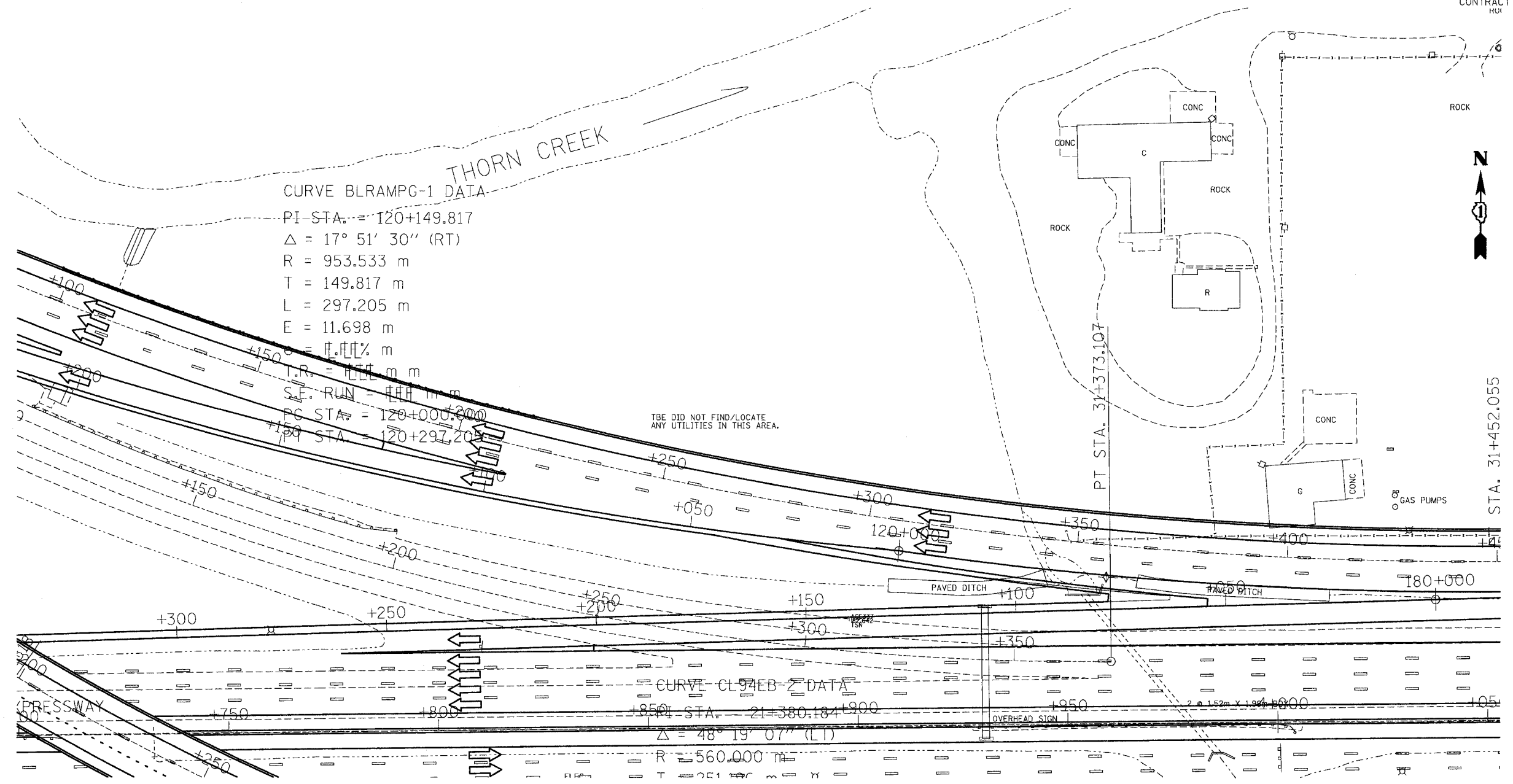
Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards as of 2/8/02.  
 All other information shown has been provided to TBE Group, Inc by others.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 E. of IL RT. 83/US RT. 6 to E. Burnham Ave.  
 I-80/I-94 Burnham Ave. to State Line  
 I-80/I-94 (Tollway) E. of I-94 to W. of RT. 83/US 6.  
 I-94/IL RT. 394 S. of US 6 to 186th Street (N. bound & S. bound)  
 Contract No. 62110, 62111, 62114, 62105, 62107, 62108  
 SCALE : 500 DRAWN BY : JAC  
 SOL "B" DATE : 2/8/02 CHECKED BY :

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	55
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 62854  
HUI



TBE DID NOT FIND/LOCATE ANY UTILITIES IN THIS AREA.

— T — T —	TELEPHONE
— W — W —	WATER
— G — G —	GAS
— CTV — CTV —	CABLE TELEVISION
— FO — FO —	FIBER OPTIC
— E — E —	ELECTRIC

**TBE GROUP, INC.**  
 CIVIL ENGINEERING • TRANSPORTATION • ENVIRONMENTAL  
 PLANNING • UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA



205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards as of 2/8/02.  
 All other information shown has been provided to TBE Group, Inc by others.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		E. of IL RT. 83/US RT. 6 to E. Burnham Ave. I-80/I-94 Burnham Ave. to State Line I-80/I-94 (Tollway) E. of I-94 to W. of RT. 83/US 6. I-94/IL RT. 394 S. of US 6 to 186th Street (N. bound & S. bound) Contract No. 62110, 62111, 62114, 62105, 62107, 62108 SCALE: 500 DRAWN BY: JAC SOL "B" DATE: 2/8/02 CHECKED BY:

IL09500122  
 TBE SUE PAGE NO: 50 of 52  
 Signature \_\_\_\_\_  
 SUE Quality Level "A": Test Holes  
 SUE Quality Level "B": Designating

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	56
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

ROADWAY ELECTRICAL SYMBOL															
SYMBOL	DESCRIPTION														
	EXISTING HIGH MAST TOWER TO REMAIN														
	EXISTING HIGH MAST TOWER TO BE REMOVED														
	PROPOSED HIGH MAST TOWER ARROWS INDICATE QUANTITY AND ORIENTATION OF LUMINAIRES. NUMBER INDICATES TOWER TYPE														
	<table border="1"> <tr> <th>TYPE</th> <th>TOWER HEIGHT</th> </tr> <tr> <td>1</td> <td>30.0m (100ft.)</td> </tr> <tr> <td>2</td> <td>33.5m (110ft.)</td> </tr> <tr> <td>3</td> <td>36.5m (120ft.)</td> </tr> <tr> <td>4</td> <td>40.0m (130ft.)</td> </tr> <tr> <td>5</td> <td>42.5m (140ft.)</td> </tr> <tr> <td>6</td> <td>45.5m (150ft.)</td> </tr> </table>	TYPE	TOWER HEIGHT	1	30.0m (100ft.)	2	33.5m (110ft.)	3	36.5m (120ft.)	4	40.0m (130ft.)	5	42.5m (140ft.)	6	45.5m (150ft.)
TYPE	TOWER HEIGHT														
1	30.0m (100ft.)														
2	33.5m (110ft.)														
3	36.5m (120ft.)														
4	40.0m (130ft.)														
5	42.5m (140ft.)														
6	45.5m (150ft.)														
	PROPOSED LIGHTING UNIT														
	PROPOSED LIGHTING UNIT, TWIN ARMS														
	EXISTING LIGHTING UNIT TO REMAIN														
	EXISTING LIGHTING UNIT, TWIN ARMS														
	EXISTING LIGHTING UNIT TO BE REMOVED														
	TEMPORARY LIGHTING UNIT														
	EXISTING TEMPORARY LIGHTING UNIT TO BE REMOVED														
	EXISTING TEMPORARY LIGHTING UNIT TO REMAIN														
	TEMPORARY LIGHTING UNIT WITH TWIN MAST ARM														
	EXPOSED CONDUIT														
	RACEWAY OR DIRECT BURIAL CABLE UNDERGROUND WITHOUT ENCASEMENT														
	EXISTING UNDERGROUND WIRING TO REMAIN														
	EXISTING CONDUIT EXPOSED														
	FLEXIBLE CONDUIT														
	EXISTING UNIT DUCT TO BE ABANDONDED														
	AERIAL ELECTRIC CABLE														
	RACEWAY EMBEDDED IN STRUCTURE														
	RIGID GALVANIZED STEEL CONDUIT SLEEVE, TRENCHED OR PUSHED														
	CONDUIT TURNED DOWN														
	CONDUIT TURNED UP														
	EXISTING UNDERPASS LUMINAIRE														
	UNDERPASS LUMINAIRE														
	ELECTRIC CONNECTION TO SIGN STRUCTURE CANTILEVER SIGN STRUCTURE														
	ELECTRIC CONNECTION TO SIGN STRUCTURE TRUSS TYPE SIGN STRUCTURE														
	ELECTRIC CONNECTION TO SIGN STRUCTURE BRIDGE MOUNTED SIGN														
	DUCT BANK														

ROADWAY ELECTRICAL SYMBOL	
SYMBOL	DESCRIPTION
	ELECTRIC JUNCTION BOX, TYPE AND SIZE AS INDICATED
	ELECTRIC HANDHOLE
	ELECTRIC PULLBOX
	EXISTING LIGHTING CONTROLLER, DUPLEX
	EXISTING UTILITY SERVICE CONNECTION, POLE MOUNTED
	EXISTING UTILITY SERVICE CONNECTION, PAD MOUNTED
	PROPOSED LIGHTING CONTROLLER, DUPLEX
	PROPOSED UTILITY SERVICE CONNECTION, POLE MOUNTED
	PROPOSED UTILITY SERVICE CONNECTION, PAD MOUNTED
	TEMPORARY WOOD POLE
	ELECTRIC UTILITY POLE
	ELECTRIC GROUND ROD
	ELECTRIC SERVICE WEATHERHEAD
	EXISTING DYNAMIC MESSAGE SIGN
	EXISTING FLASHING BEACON SIGN
	EXISTING CLOSED CIRCUIT TELEVISION CAMERA
	EXISTING MICROWAVE DETECTOR
	EXISTING DETECTOR LOOP
	PROPOSED DYNAMIC MESSAGE SIGN
	PROPOSED FLASHING BEACON SIGN
	PROPOSED CLOSED CIRCUIT TELEVISION CAMERA
	PROPOSED MICROWAVE DETECTOR
	PROPOSED DETECTOR LOOP

### CALL-OUT SAMPLES

DEFINITION	EXAMPLE
<p>CKT. NO. LOCATION</p> <p>TOWER HANDHOLE INDICATOR</p>	<p>6 ABC1 STA. 28+169, 48 LT</p>
<p>QUANTITY OF LUMINAIRES</p> <p>LIGHTING CONTROL CABINET</p> <p>CIRCUIT NUMBERS</p> <p>POLE NUMBER</p>	<p>CKT. NO. LOCATION MOUNTING HEIGHT (MH) MAST ARM (MA) LUMINAIRE WATTAGE (W)</p> <p>CA1 STA. 600+29, 64 LT 14.5M MH, 4.5M MA, 400W</p>
<p>WOOD POLE DESIGNATION LOCATION</p>	<p>WP 18 STA. 1721+30, 65 RT</p> <p>WP18 - 18.3M POLE HEIGHT WP27 - 27.4M POLE HEIGHT</p>
<p>CONTROLLER DESIGNATION LOCATION &amp; DESCRIPTION</p>	<p>LIGHTING CONTROLLER DA STA. 1652+29, 86 LT 240/480 V, 1Ø, 3 WIRE</p>
<p>CONDUIT QUANTITY, SIZE, TYPE, LENGTH INSTALLATION TYPE PUSHED, TRENCHED</p>	<p>100mm (4") DIA. RGC, 40' TRENCHED</p>
<p>CKT. CONDUCTORS RACEWAY</p>	<p>A&amp;B: 3*4 &amp; 1*6 GND. 30mm (1 1/4") DIA. UNIT DUCT</p>
<p>DUCT IDENTIFICATION</p>	<p>CONCRETE ENCASED 100MM DIA. CNC CONDUIT WITH CABLE (TYPICAL, U.N.O.)</p> <p>120LM 100MM DIA. CNC CONDUIT, SPARE</p> <p>DUCT BANK LENGTH</p>
<p>SIGN DESIGNATION # OF FLUORESCENT LUMINAIRES</p>	<p>B-1 6 LUMINAIRES</p>

### ABBREVIATIONS

SYMBOL	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CNC	COILABLE NONMETALLIC CONDUIT
CT	CURRENT TRANSFORMER
CP	CONTROL PANEL
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
EM	EXISTING UNIT TO BE MODIFIED (e.g. NEW LUMINAIRE, BALLAST OR MAST ARM)
ER	EXISTING RELOCATED UNIT
ET	EXISTING TEMPORARY UNIT TO REMAIN
ETR	EXISTING TEMPORARY RELOCATED UNIT
FT	FEET OR FOOT
FND BW	FOUNDATION BARRIER WALL
FND BW OS	FOUNDATION BARRIER WALL OFFSET
FND CON	FOUNDATION CONCRETE
FND CON OS	FOUNDATION CONCRETE OFFSET
FND MET	FOUNDATION METAL
FND PW	FOUNDATION PARAPET WALL
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
M	METER
MA	MAST ARM
MM	MILLIMETER
MH	MOUNTING HEIGHT
NO. #	NUMBER
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVCC RGC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T	TEMPORARY LIGHTING UNIT
TMP	TEMPORARY
TR	TEMPORARY UNIT TO BE REMOVED, SALVAGE EQUIPMENT AS SPECIFIED
TRR	TEMPORARY UNIT TO BE REMOVED AND RELOCATED
TUR	TEMPORARY UNIT ON UTILITY POLE TO BE REMOVED
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
WP	WOOD POLE
XFMR	TRANSFORMER

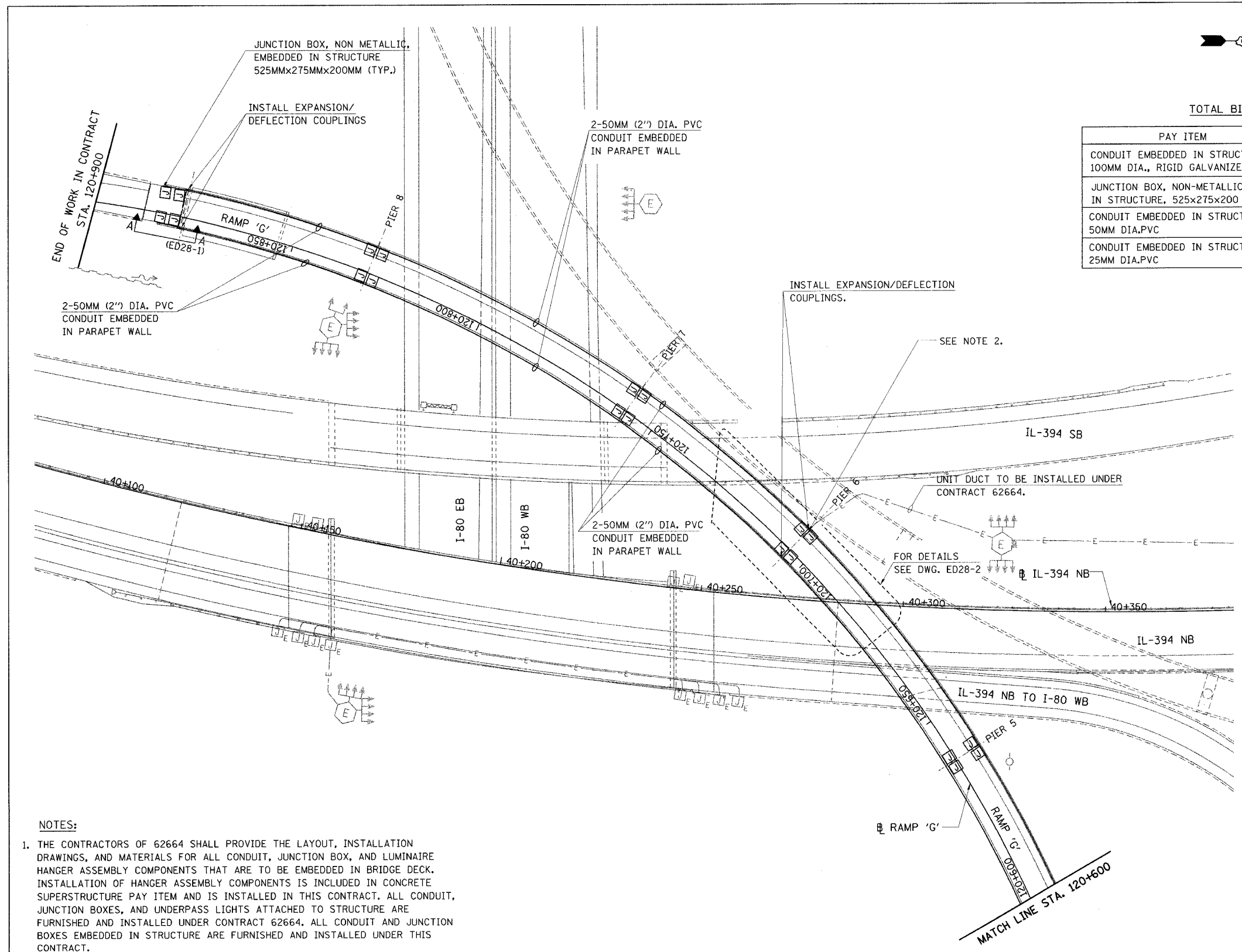
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION I-80/94 WB FLYOVER RAMP TO SB IL 394 (RAMP G) ELECTRICAL SYMBOL LIST AND ABBREVIATIONS
NAME	DATE	
TG	7/2/03	DRAWN BY: CHECKED BY: DATE:

FBI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	57
STA. 120+600		TO STA. 120+900		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



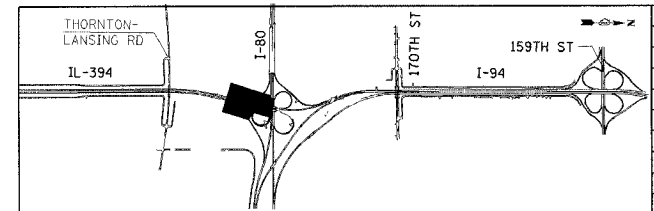
TOTAL BILL OF MATERIALS

PAY ITEM	UNITS	TOTAL
CONDUIT EMBEDDED IN STRUCTURE, 100MM DIA., RIGID GALVANIZED STEEL	METER	112
JUNCTION BOX, NON-METALLIC, EMBEDDED IN STRUCTURE, 525x275x200	EACH	40
CONDUIT EMBEDDED IN STRUCTURE, 50MM DIA.PVC	METER	2293
CONDUIT EMBEDDED IN STRUCTURE, 25MM DIA.PVC	METER	11



NOTES:

1. THE CONTRACTORS OF 62664 SHALL PROVIDE THE LAYOUT, INSTALLATION DRAWINGS, AND MATERIALS FOR ALL CONDUIT, JUNCTION BOX, AND LUMINAIRE HANGER ASSEMBLY COMPONENTS THAT ARE TO BE EMBEDDED IN BRIDGE DECK. INSTALLATION OF HANGER ASSEMBLY COMPONENTS IS INCLUDED IN CONCRETE SUPERSTRUCTURE PAY ITEM AND IS INSTALLED IN THIS CONTRACT. ALL CONDUIT, JUNCTION BOXES, AND UNDERPASS LIGHTS ATTACHED TO STRUCTURE ARE FURNISHED AND INSTALLED UNDER CONTRACT 62664. ALL CONDUIT AND JUNCTION BOXES EMBEDDED IN STRUCTURE ARE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
2. A CONDUIT ASSEMBLY WILL BE MOUNTED TO PIER TO FEED PROPOSED UNDERPASS LIGHTS UNDER CONTRACT 62664. ALL INSERTS USED TO MOUNT CONDUITS WILL BE PRE-CAST INTO THE CONCRETE. NO DRILLED IN TYPE INSERTS WILL BE PERMITTED. THE PIER CONDUIT HANGER ASSEMBLIES WILL BE FURNISHED AND INSTALLED UNDER CONTRACT 62664. A CONDUIT STUB FROM JUNCTION BOX LOCATED IN PARAPET TO UNDERSIDE OF BRIDGE DECK WILL BE INSTALLED AT THIS LOCATION UNDER THIS CONTRACT. SEE DETAILS A & B ON DRAWING ED28-1 FOR CONDUIT LOCATED IN BRIDGE DECK.



REVISIONS	
NAME	DATE

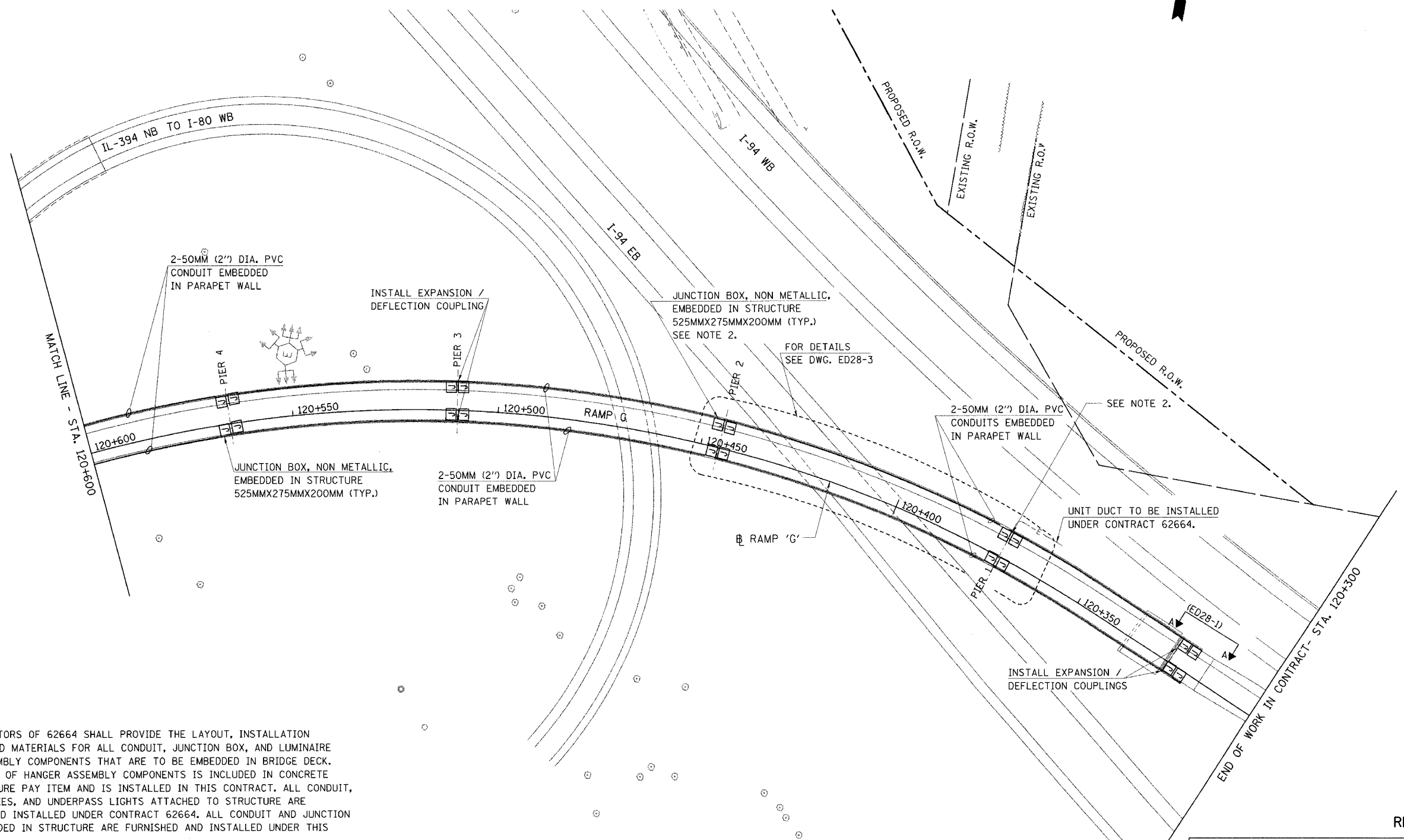
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)  
**CONDUIT AND JUNCTION BOX PLAN**  
 STA. 120+600 TO 120+900

HORIZ SCALE: 1:500  
 VERT SCALE: NONE  
 DATE: MARCH 23, 2005

DRAWN BY: SPR  
 CHECKED BY: BB

**HNTB**

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	58
STA. 120+300		TO STA. 120+600		
FED ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



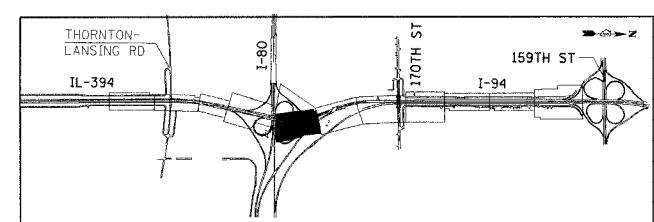
**NOTES:**

1. THE CONTRACTORS OF 62664 SHALL PROVIDE THE LAYOUT, INSTALLATION DRAWINGS, AND MATERIALS FOR ALL CONDUIT, JUNCTION BOX, AND LUMINAIRE HANGER ASSEMBLY COMPONENTS THAT ARE TO BE EMBEDDED IN BRIDGE DECK. INSTALLATION OF HANGER ASSEMBLY COMPONENTS IS INCLUDED IN CONCRETE SUPERSTRUCTURE PAY ITEM AND IS INSTALLED IN THIS CONTRACT. ALL CONDUIT, JUNCTION BOXES, AND UNDERPASS LIGHTS ATTACHED TO STRUCTURE ARE FURNISHED AND INSTALLED UNDER CONTRACT 62664. ALL CONDUIT AND JUNCTION BOXES EMBEDDED IN STRUCTURE ARE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
2. A CONDUIT ASSEMBLY WILL BE MOUNTED TO PIER TO FEED PROPOSED UNDERPASS LIGHTS UNDER CONTRACT 62664. ALL INSERTS USED TO MOUNT CONDUITS WILL BE PRE-CAST INTO THE CONCRETE. NO DRILLED IN TYPE INSERTS WILL BE PERMITTED. THE PIER CONDUIT HANGER ASSEMBLIES WILL BE FURNISHED AND INSTALLED UNDER CONTRACT 62664. A CONDUIT STUB FROM JUNCTION BOX LOCATED IN PARAPET TO UNDERSIDE OF BRIDGE DECK WILL BE INSTALLED AT THIS LOCATION UNDER THIS CONTRACT. SEE DETAILS A & B ON DRAWING ED28-1 FOR CONDUIT LOCATED IN BRIDGE DECK.

RL28-2

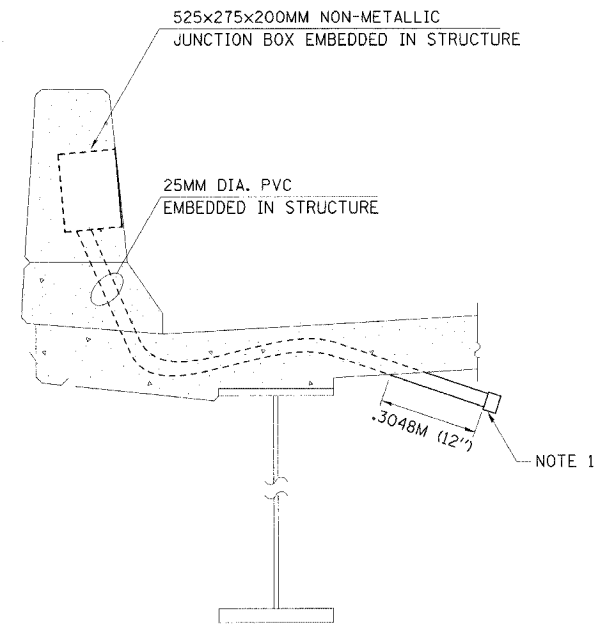
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)  
**CONDUIT AND JUNCTION BOX PLAN**  
 STA. 120+300 TO 120+600

HORIZ SCALE: 1:500  
 VERT SCALE: NONE  
 DATE: MARCH 23, 2005  
 DRAWN BY: SPR  
 CHECKED BY: BB

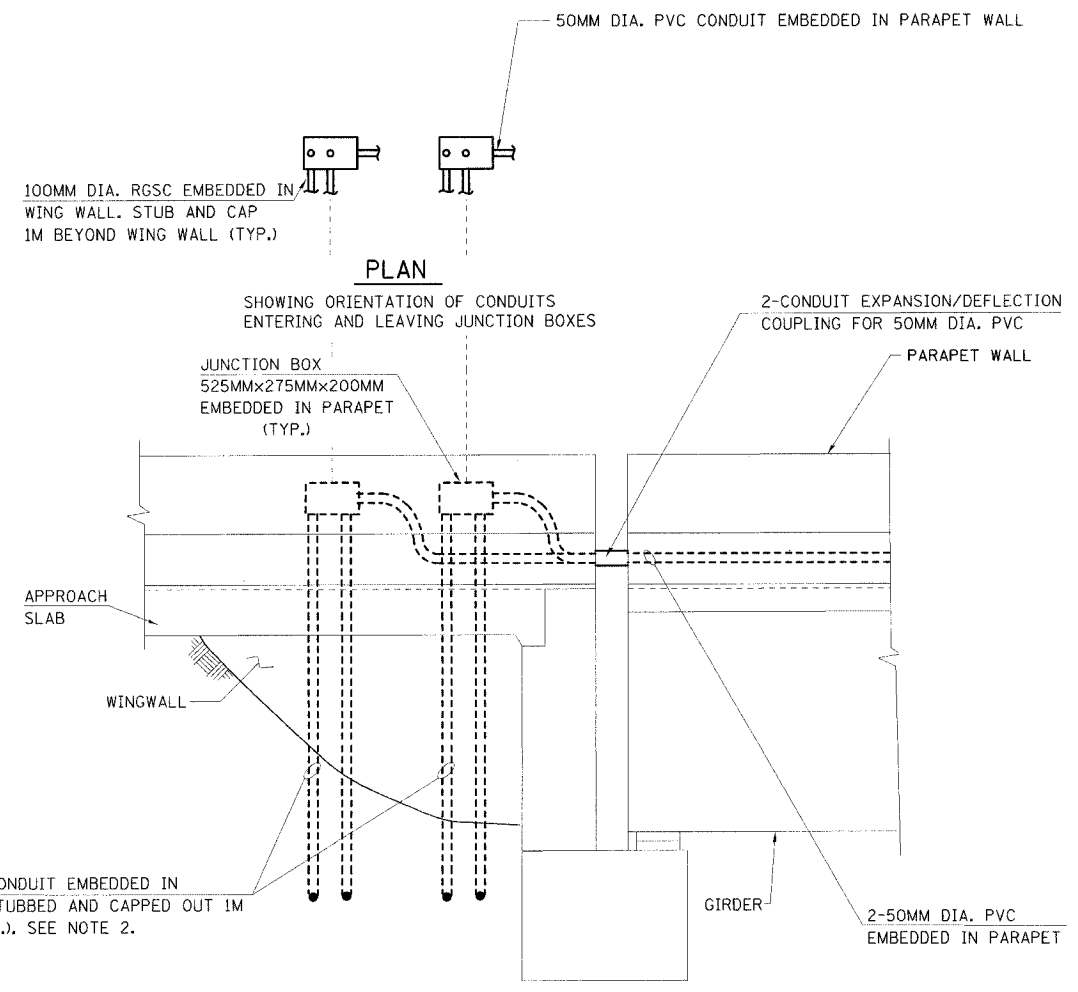


REVISIONS	
NAME	DATE

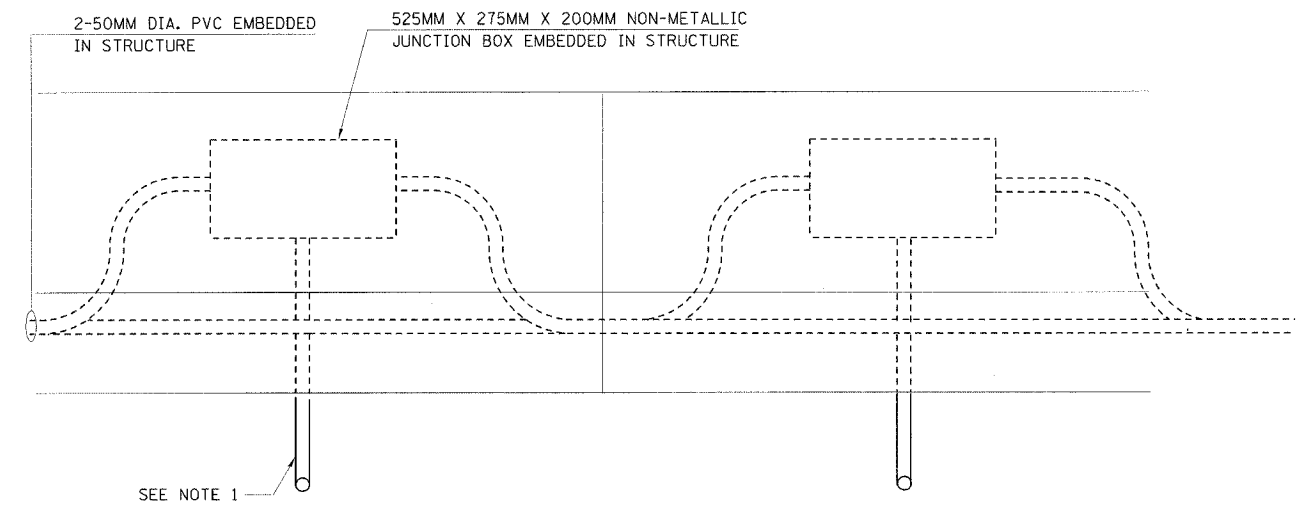
FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	59
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**DETAIL A: CONDUIT LOCATION IN BRIDGE DECK**  
N.T.S.



**ELEVATION A-A**  
N.T.S.



**DETAIL B: JUNCTION BOXES EMBEDDED IN PARAPET.**

**NOTES:**

1. INSTALL CONDUIT AND EXTEND BELOW BOTTOM OF DECK. PROVIDE THREADED CAP FOR FUTURE EXTENSION.
2. ALL STUBBED OUT CONDUIT SHALL BE LOCATED AT A MINIMUM DEPTH OF 1M BELOW FINISHED GRADE.

ED28-1

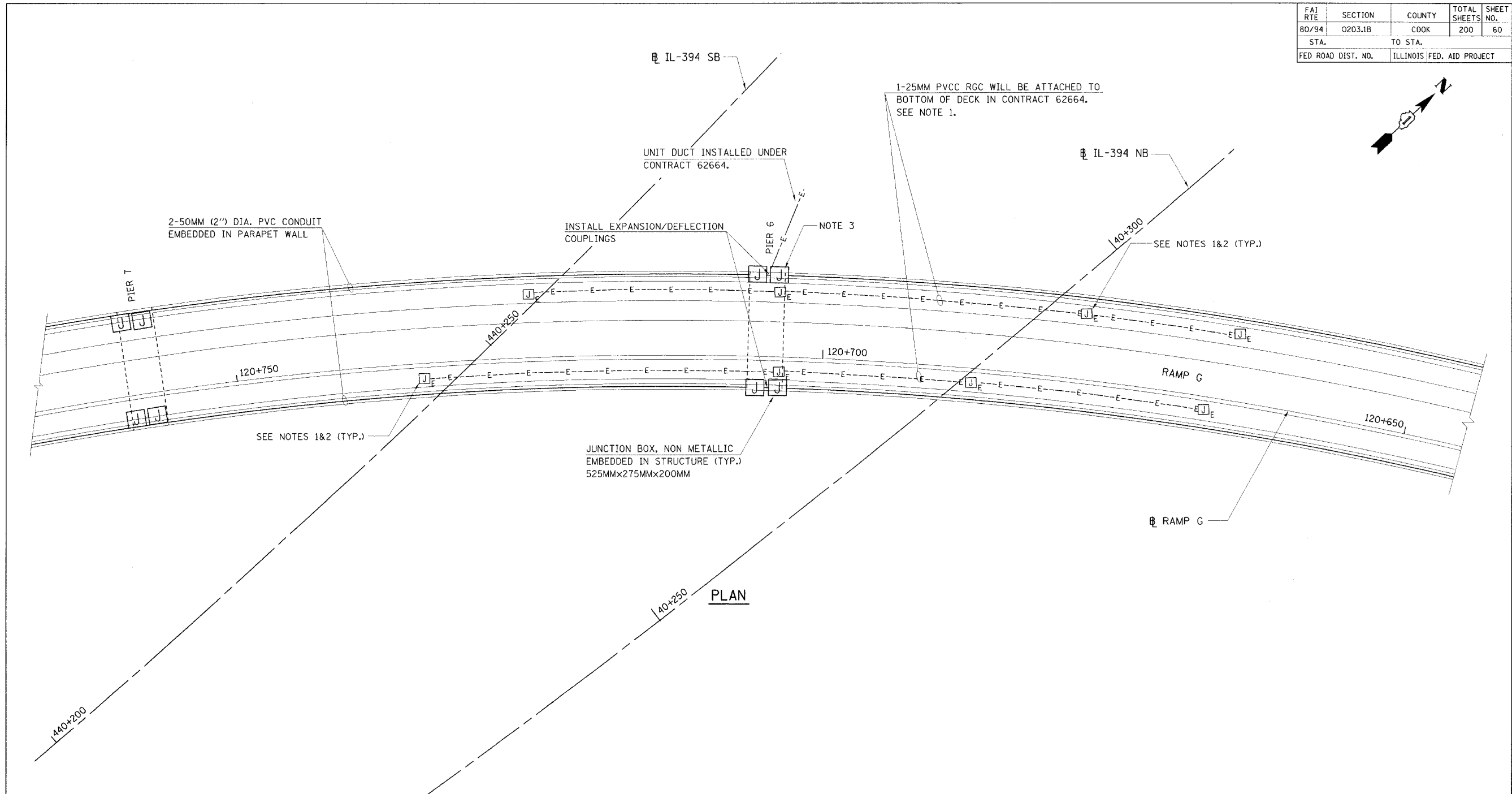
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-80/94 WB FLYOVER RAMP  
TO SB IL 394 (RAMP G)  
**CONDUIT IN PARAPET  
RAMP "G"**  
HORIZ SCALE: NONE  
VERT SCALE: NONE  
DATE: MARCH 23, 2005  
DRAWN BY: SPR  
CHECKED BY: BB

REVISIONS	
NAME	DATE





FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	60
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**NOTES:**

1. THE CONTRACTORS OF 62664 SHALL PROVIDE THE LAYOUT, INSTALLATION DRAWINGS, AND MATERIALS FOR ALL HANGER ASSEMBLY COMPONENTS THAT ARE TO BE EMBEDDED IN CONCRETE. INSTALLATION OF HANGER ASSEMBLIES IS INCLUDED IN DECK CONCRETE PAY ITEM. ALL CONDUIT, JUNCTION BOXES, AND UNDERPASS LIGHTS ATTACHED TO STRUCTURE ARE FURNISHED AND INSTALLED UNDER CONTRACT 62664. ALL CONDUIT AND JUNCTION BOXES EMBEDDED IN STRUCTURE ARE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
2. 150MM X 150MM X 100MM JUNCTION BOX ATTACHED TO STRUCTURE. SEE NOTE 1.
3. SEE DETAILS A & B ON DRAWING ED28-1 FOR CONDUIT EMBEDDED IN BRIDGE DECK.

**PLAN**

ED28-2

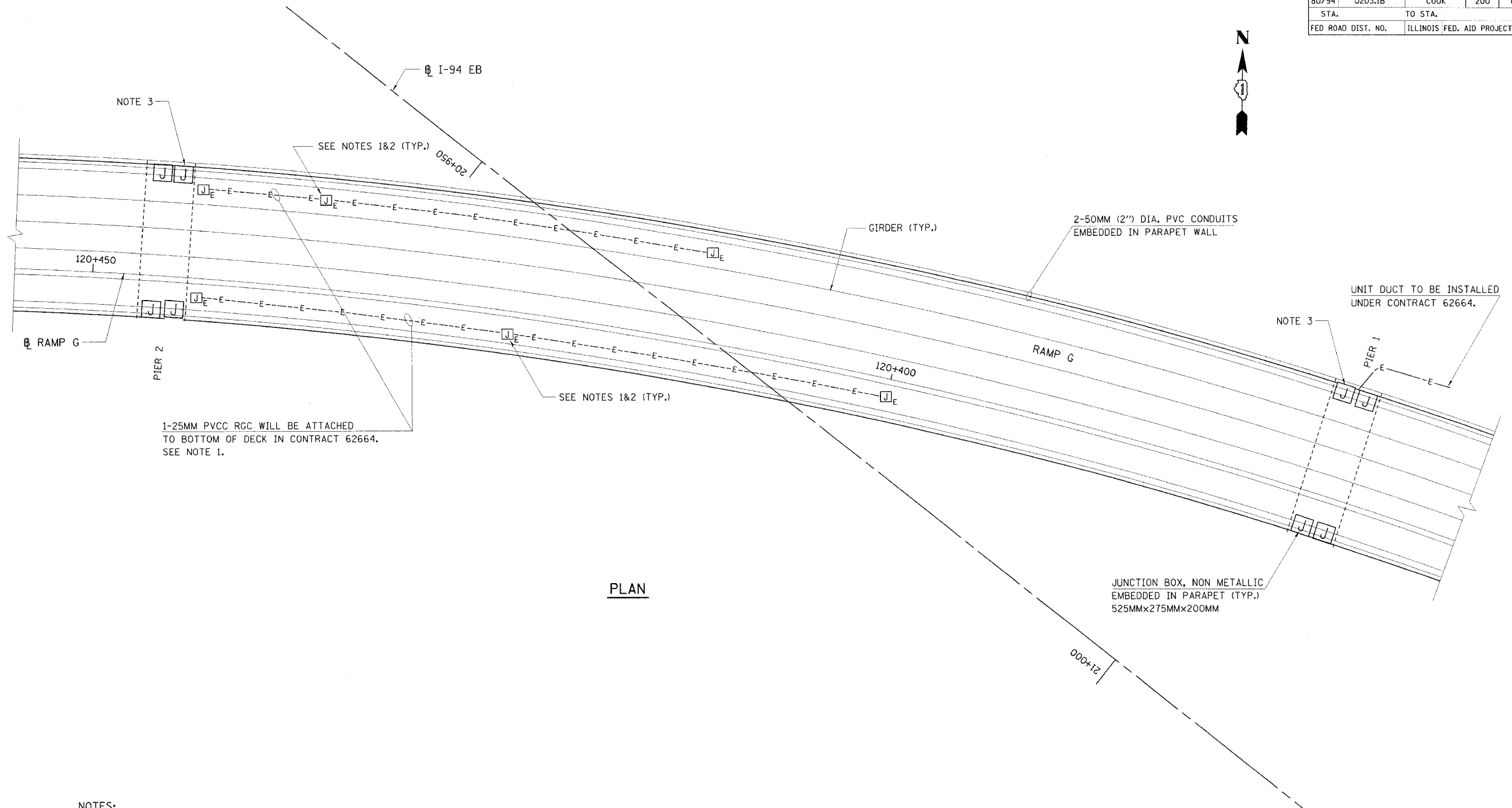
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)  
**CONDUIT IN OVERPASS DETAIL**  
 RAMP "G" OVER IL-394 SB

REVISIONS	
NAME	DATE

HORIZ SCALE: NONE  
 VERT SCALE: NONE  
 DATE: MARCH 23, 2005  
 DRAWN BY: SPR  
 CHECKED BY: BB



FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	0203.1B	COOK	200	61
STA.		TO STA.		
FED ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLAN

NOTES:

1. THE CONTRACTOR OF 62664 SHALL PROVIDE THE LAYOUT, INSTALLATION DRAWINGS, AND MATERIALS FOR ALL HANGER ASSEMBLY COMPONENTS THAT ARE TO BE EMBEDDED IN CONCRETE. INSTALLATION OF HANGER ASSEMBLIES IS INCLUDED IN DECK CONCRETE PAY ITEM. ALL CONDUIT, JUNCTION BOXES, AND UNDERPASS LIGHTS ATTACHED TO STRUCTURE ARE FURNISHED AND INSTALLED UNDER CONTRACT 62664. ALL CONDUIT AND JUNCTION BOXES EMBEDDED IN STRUCTURE ARE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
2. 150MM X 150MM X 100MM JUNCTION BOX ATTACHED TO STRUCTURE. SEE NOTE 1.
3. SEE DETAIL A & B ON DRAWING ED 28-1 FOR CONDUIT EMBEDDED IN BRIDGE DECK.

ED28-3

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94 WB FLYOVER RAMP  
 TO SB IL 394 (RAMP G)  
**CONDUIT IN OVERPASS DETAIL**  
 RAMP "G" OVER I-94 EB

REVISIONS	
NAME	DATE

HORIZ SCALE: NONE  
 VERT SCALE: NONE  
 DATE: MARCH 23, 2005  
 DRAWN BY: SPR  
 CHECKED BY: BB

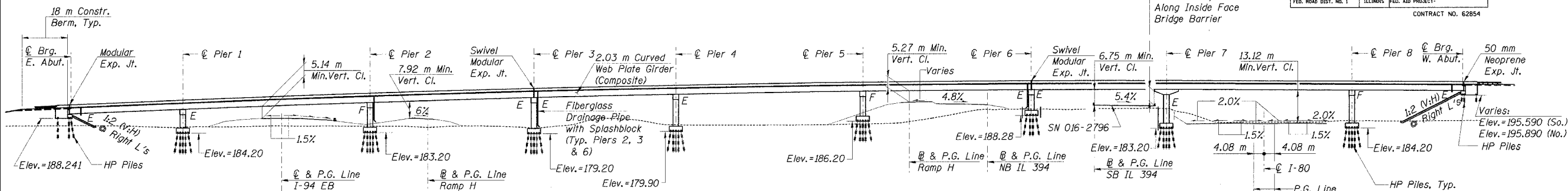
**HNTB**

Benchmark: BM ASC220 Square cut on southeast corner of NB IL 394 bridge over I-80. Elev. = 184.942

Existing Structure: None All dimensions are in millimeters (mm) except as noted.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Table with columns: ROUTE NO., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., SHEET NO. 1. Values include F. A. I. 80/94, 0203.1B, COOK, 200, 62, 91 SHEETS.



\*Taper starts at Sta. 120+298.00 with 1.8 m (Lt. Shldr.), 2.4 m (Rt. Shldr.) Taper ends at Sta. 120+315.00 with 2.4 m (Lt. Shldr.), 1.8 m (Rt. Shldr.)

\*\*Taper starts at Sta. 20+911.00 with 0 m (3rd Lane), 3.6 m (Rt. Shldr.) Taper ends at Sta. 20+940.00 with 3.6 m (3rd Lane), 2.4 m (Rt. Shldr.)



APPROVED FOR STRUCTURAL ADEQUACY ONLY

Relieve E. Anderson, P.E. ENGINEER OF BRIDGES AND STRUCTURES

Philip C. Azzarello 3-25-05 Phillip C. Azzarello, S.E. Ill. Reg. No. 081-004245 Expires 11-30-06

STAGING

The traffic patterns shown on this sheet will vary throughout the contract time. See Sheet No. 4 of 91 for additional details.

ELEVATION

LOADING MS18 & ALT.

Allow 2.4 KN/m² for future wearing surface.

DESIGN SPECIFICATIONS

2002 AASHTO

2003 AASHTO Guide Specifications for Horizontally Curved Steel Girder Highway Bridges

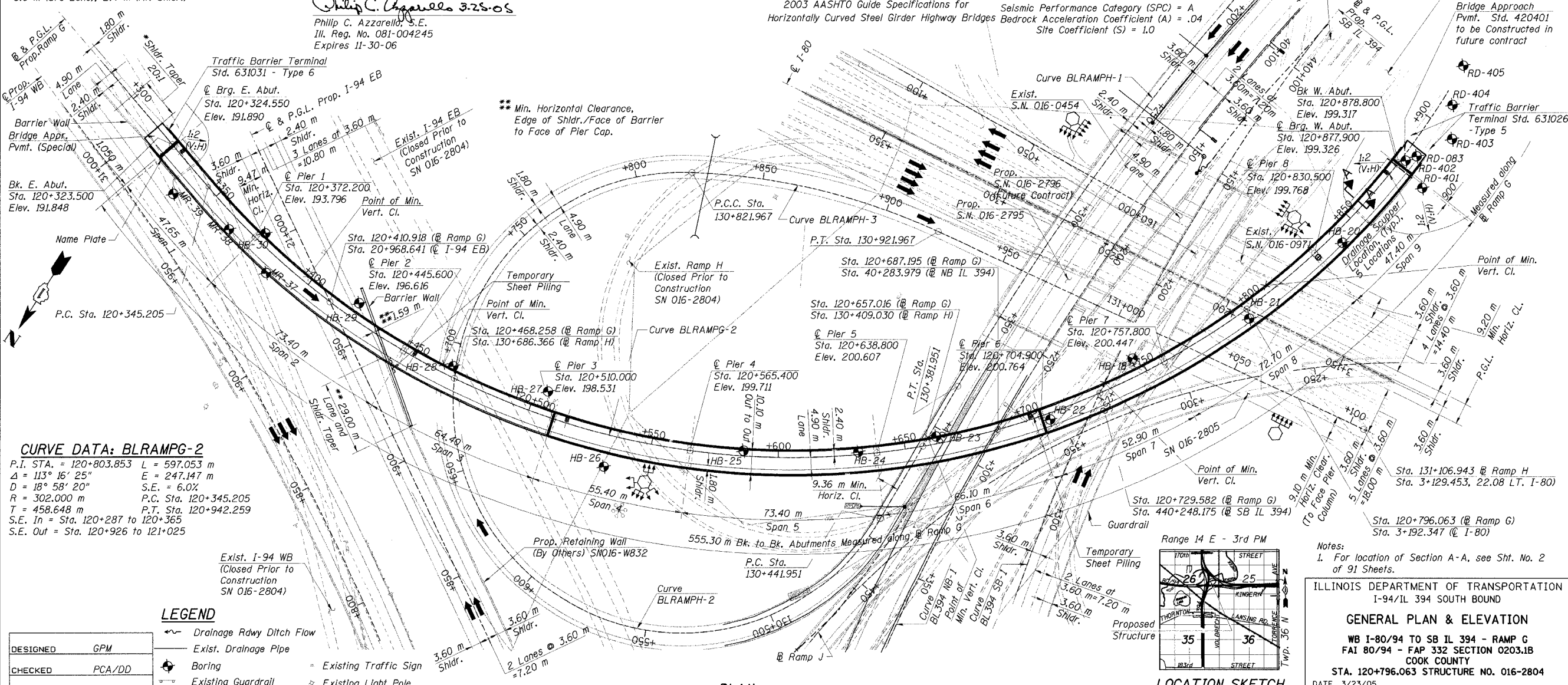
DESIGN STRESSES

FIELD UNITS

f'c = 24 MPa
fy = 400 MPa (reinforcement)
fy = 345 MPa (structural steel) (M270M Grade 345)
fy = 250 MPa (structural steel) (M270M Grade 250)

SEISMIC DATA

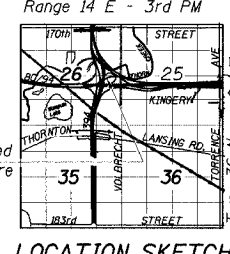
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = .04
Site Coefficient (S) = 1.0



CURVE DATA: BLRAMPG-2
P.I. STA. = 120+803.853 L = 597.053 m
Delta = 113° 16' 25" E = 247.147 m
D = 18° 58' 20" S.E. = 6.0%

LEGEND table with columns: DESIGNED, CHECKED, DRAWN, CHECKED and corresponding initials (GPM, PCA/DD, LK, PCA/DD).

- Drainage Rdwy Ditch Flow
Exist. Drainage Pipe
Boring
Existing Guardrail
Existing High Mast Light Tower
Existing Traffic Sign
Existing Light Pole
Existing Tree
Proposed High Mast Light



Notes: 1. For location of Section A-A, see Sht. No. 2 of 91 sheets.
ILLINOIS DEPARTMENT OF TRANSPORTATION
I-94/IL 394 SOUTH BOUND
GENERAL PLAN & ELEVATION
WB I-80/94 TO SB IL 394 - RAMP G
FAI 80/94 - FAP 332 SECTION 0203.1B
COOK COUNTY
STA. 120+796.063 STRUCTURE NO. 016-2804
DATE 3/23/05
SCALE ---
HNTB

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. 80/94	0203.1B	COOK	200	63
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO. 62854

GENERAL NOTES

THE FABRICATION OF THE STRUCTURAL STEEL, BEARINGS AND MODULAR EXPANSION JOINTS FOR THIS BRIDGE WAS INCLUDED IN CONTRACT NO. 62744. ALL WORK SHOWN THAT IS RELATED TO THE FABRICATION IS FOR INFORMATION ONLY AND IS NOT INCLUDED IN THIS CONTRACT.

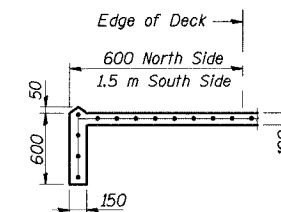
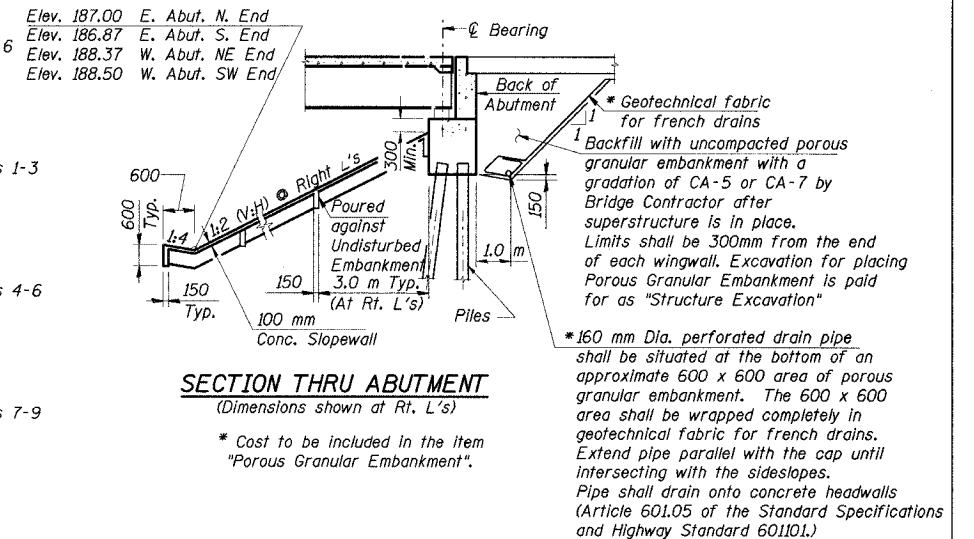
- All dimensions are in millimeters (mm) except as noted.
- Fasteners shall be high strength bolts (AASHTO M164M, Type 3). Bolts M22, open holes 24 mm  $\phi$ , unless otherwise noted.
- Calculated mass of structural steel for the fabrication contract = 2,157,500 kg for M 270M Grade 345 and is provided for information only.
- The same organic zinc rich primer / epoxy / urethane Paint System used for the fabrication contract shall be used for painting of structural steel left partially or fully unpainted in the fabrication contract due to construction requirements. This includes, but is not necessary limited to, masked off connection surfaces and field installed fasteners. Any structural steel that was painted under the fabrication contract whose paint system may have been damaged during the fabrication contract shall be spot cleaned and touched up in the field. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Reddish Brown, Munsell No. 2.5YR 3/4. See Special Provision for "Cleaning and Painting New Metal Structures."  
The cost is included for payment under Erecting Structural Steel.
- Field welding of construction accessories will not be permitted to the beams or girders.
- Anchor bolts shall be set before bolting cross frames over supports.
- The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the tension flanges and webs, the cross frames & connection plates and all splice plate material except fill plates.
- Reinforcement bars shall conform to the requirements of AASHTO M 31M or M 322M Grade 400.
- Slope walls shall be reinforced with welded wire fabric, 152 x 152 - MW25.8 x MW25.8 with a mass of 2.91 kg/m<sup>2</sup>.
- The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.
- The Contractor shall drive one steel test pile in a permanent location at the East and West Abutments and one at each Pier as directed by the Engineer before ordering the remainder of piles.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 3 mm. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 3 mm adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.
- Bridge Seat Sealer shall be applied to the seat area of the East and West Abutments and at Piers 3 and 6.
- When the deck pour is stopped for the day at one or more of the transverse Bonded Construction Joints in the deck Pouring Sequence as shown, the next pour shall not be made until both of the following requirements are met:
  - At least 72 hours shall have elapsed from the end of the previous pour.
  - The concrete strength shall have attained a minimum flexural strength of 4.5 MPa or a minimum compressive strength of 24 MPa.
- All construction joints shall be bonded.
- Before starting work, the Contractor shall submit an erection plan of the steel girders and cross frames (including the proposed method to keep the girders vertical) and the maintenance of traffic plan for erecting the girders to the Engineer for approval prior to start of work according to Art. 505.08(e) of the Standard Specifications. The maintenance of traffic plan shall take into account staging positions, false work locations, sequence of girder erection, and provisions for stability of girders and bearings during erection.
- The Stability of the partially erected curved Steel Components is the Contractor's responsibility during all Phases of Construction. Temporary Shoring Towers or other means of temporary support may be required during erection at locations determined by the Steel Erector. The cost is included in the pay item "Erecting Structural Steel".
- All steel girders are designed for final conditions. It is Contractor's responsibility to ensure steel girders are not overstressed during construction and that adequate horizontal and vertical clearance to traffic is maintained.
- The Contractor shall submit for approval a detailed steel erection procedure/plan. The Contractor shall retain the services of an Illinois Licensed Structural Engineer who shall review and sign and seal the procedure /plan. The plan shall include an evaluation of the stability of the girders during erection. The cost is included in the pay item "Erecting Structural Steel".
- The Contractor is alerted that the camber and dead load deflection values shown within these drawings were developed based on the deck pouring sequence shown on Sheet 21, 27, & 33 of 91 sheets. Any deviation from this pouring sequence shall require the contractor to retain the services of an Illinois Licensed Structural Engineer to analyze the structure for the revised pouring sequence. Details and calculations with the required signature and seal shall be submitted to the Engineer for review and approval. Cost Included in the pay item "Erecting Structural Steel".

INDEX OF DRAWINGS

Sht. No.	Sht. Title
1	General Plan and Elevation
2	General Notes, Quantities and Index
3	Offset Sketch and Profiles
4	Suggested Sequence of Construction-Stage 1
4a	Suggested Sequence of Construction-Stage 1a
5	Suggested Sequence of Construction-Stage 2
6	Foundation Layout-Spans 1-3
7	Foundation Layout-Spans 4-6
8	Foundation Layout-Spans 7-9
9	Top Of Slab Elevations, Grid & Details-Spans 1-3
10	Top Of Slab Elevations-1 Spans 1-3
11	Top Of Slab Elevations-2 Spans 1-3
12	Top Of Slab Elevations-3 Spans 1-3
13	Top Of Slab Elevations, Grid & Details-Spans 4-6
14	Top Of Slab Elevations-1 Spans 4-6
15	Top Of Slab Elevations-2 Spans 4-6
16	Top Of Slab Elevations-3 Spans 4-6
17	Top Of Slab Elevations, Grid & Details-Spans 7-9
18	Top Of Slab Elevations-1 Spans 7-9
19	Top Of Slab Elevations-2 Spans 7-9
20	Top Of Slab Elevations-3 Spans 7-9
21	Deck Plan-Span 1
22	Deck Plan-Span 2
23	Deck Plan-Span 3
24	Deck Cross Section and Details-Spans 1-3
25	North Parapet Elevation-Spans 1-3
26	South Parapet Elevation-Spans 1-3
27	Deck Plan-Span 4
28	Deck Plan-Span 5
29	Deck Plan-Span 6
30	Deck Cross Section and Details-Spans 4-6
31	North Parapet Elevation-Spans 4-6
32	South Parapet Elevation-Spans 4-6
33	Deck Plan-Span 7
34	Deck Plan-Span 8
35	Deck Plan-Span 9
36	Deck Cross Section and Details-Spans 7-9
37	North Parapet Elevation-Spans 7-9
38	South Parapet Elevation-Spans 7-9
39	Deck Details and Bill Of Material
40	Drainage Details
41	Drainage Scupper DS-11
42	Modular Expansion Joint Details At East Abutment
43	Swivel Modular Expansion Joint Details At Piers 3 and 6
44	Neoprene Expansion Joint at West Abutment
45	Framing Plan, Girder Elevation and Details-Span 1
46	Framing Plan, Girder Elevation and Details-Span 2
47	Framing Plan, Girder Elevation and Details-Span 3
48	Girder Layout-Spans 1-3
49	Moment & Reaction Tables & Field Splice Details Spans 1-3
50	Camber and Top Of Web Elevations Spans 1-3
51	Framing Plan, Girder Elevation and Details-Span 4
52	Framing Plan, Girder Elevation and Details-Span 5
53	Framing Plan, Girder Elevation and Details-Span 6
54	Girder Layout-Spans 4-6
55	Moment & Reaction Tables & Field Splice Details Spans 4-6
56	Camber and Top Of Web Elevations Spans 4-6
57	Framing Plan, Girder Elevation and Details-Span 7
58	Framing Plan, Girder Elevation and Details-Span 8
59	Framing Plan, Girder Elevation and Details-Span 9
60	Girder Layout-Spans 7-9
61	Moment & Reaction Tables & Field Splice Details Spans 7-9
62	Camber and Top Of Web Elevations Spans 7-9
63	Cross-Frame Details
64	Fixed Bearing Details
65	Floating Expansion Bearing Details
66	Bearing Orientation Details Spans 1-3
67	Bearing Orientation Details Spans 4-6
68	Bearing Orientation Details Spans 7-9
69	Anchor Bolt Details
70	East Abutment Plan and Elevation
71	East Abutment Details
72	West Abutment Plan and Elevation
73	West Abutment Details
74	Pier 1
75	Pier 2
76	Pier 3
77	Pier 4
78	Pier 5
79	Pier 6
80	Pier 7
81	Pier 8
82	Bar Splicer Assembly Details
83-91A	Boring Logs

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	CU M	--	151	151
Structure Excavation	CU M	--	1472.4	1472.4
Concrete Structures	CU M	--	1148.3	1148.3
Concrete Superstructure	CU M	1582.0	3.5	1585.5
Bridge Deck Grooving	SQ M	5036	--	5036
Protective Coat	SQ M	6425.5	33.9	6459.4
Erecting Structural Steel	L SUM	1	--	1
Stud Shear Connectors	EACH	11,438	--	11,438
Reinforcement Bars, Epoxy Coated	KG	223,460	142,480	365,940
Slopewall 100 mm	SQ M	--	324	324
Furnishing Steel Piles HP 310x79	M	--	990.0	990.0
Furnishing Steel Piles HP 360x108	M	--	3596.2	3596.2
Driving Steel Piles	M	--	4586.2	4586.2
Test Pile Steel HP310x79	EACH	--	2	2
Test Pile Steel HP360x108	EACH	--	8	8
Temporary Sheet Piling	SQ M	--	43.2	43.2
Name Plates	EACH	1	--	1
Drainage Scuppers, DS-11	EACH	5	--	5
Erecting Modular Expansion Joint Swivel 240 mm	M	19.4	--	19.4
Erecting Modular Expansion Joint 160 mm	M	9.7	--	9.7
Neoprene Expansion Joint, 50 mm	M	9.5	--	9.5
Erecting Floating Bearings, Guided Expansion 750 kN	EACH	--	18	18
Erecting Floating Bearings, Guided Expansion 1000 kN	EACH	--	6	6
Erecting Floating Bearings, Guided Expansion 2250 kN	EACH	--	18	18
Erecting Floating Bearings, Guided Expansion 1250 kN	EACH	--	12	12
Erecting Floating Bearings, Fixed 2250 kN	EACH	--	6	6
Erecting Floating Bearings, Fixed 2500 kN	EACH	--	12	12
Bridge Seat Sealer	SQ M	--	57.9	57.9
Bar Splicers	EACH	--	62	62
Drainage System	L SUM	1	--	1
Furnishing and Erecting Structural Steel	kg	1170	--	1170



DESIGNED	GPM
CHECKED	PCA
DRAWN	LK
CHECKED	PCA/GPM

STATION 120+796.063  
BUILT 200\_ BY  
STATE OF ILLINOIS  
F.A.I. RT. 94, SEC. (0203.1 & 0312-708W)  
LOADING MS18  
STR. NO. 016-2804

NAME PLATE

See Std. 515001

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND

GENERAL NOTES, QUANTITIES & INDEX  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804

DATE 3/23/05  
SCALE ----

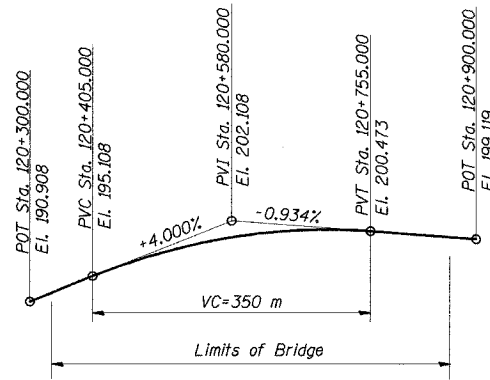
HNTB

J:\Beauchamp  
E:\34562\CADD\B1\CTR\_28\_2804\Cds\sm15001.4e\_2804.dgn  
28-MAR-2005 12:37

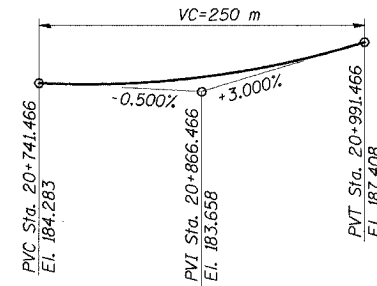
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. 80/94	0203.1B	COOK	200	64
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT -				
CONTRACT NO. 62854				

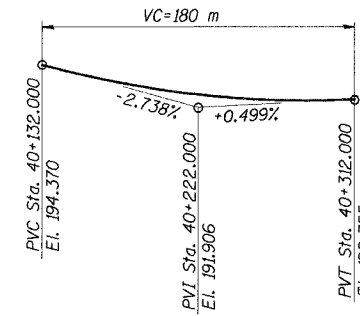
SHEET NO. 3  
91 SHEETS



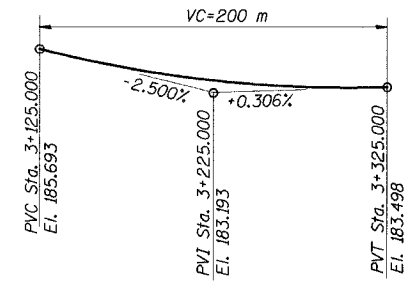
PROPOSED PROFILE GRADE RAMP G



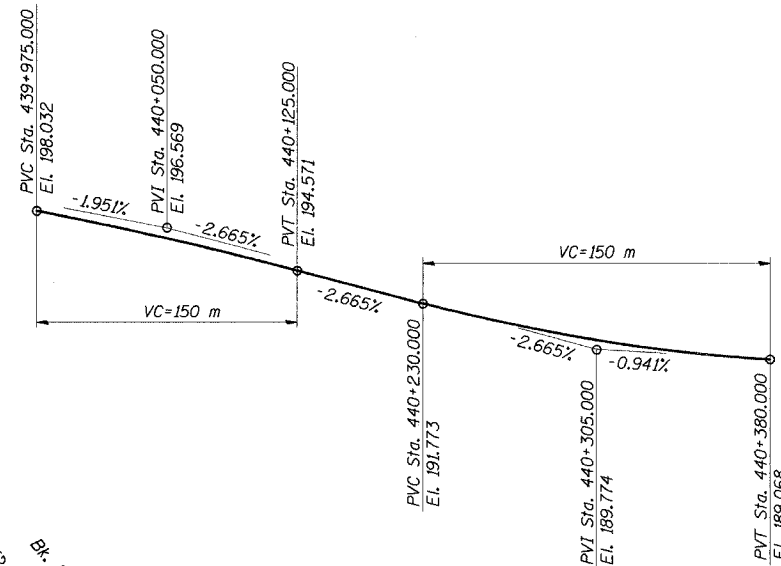
PROPOSED PROFILE GRADE I-94 EB



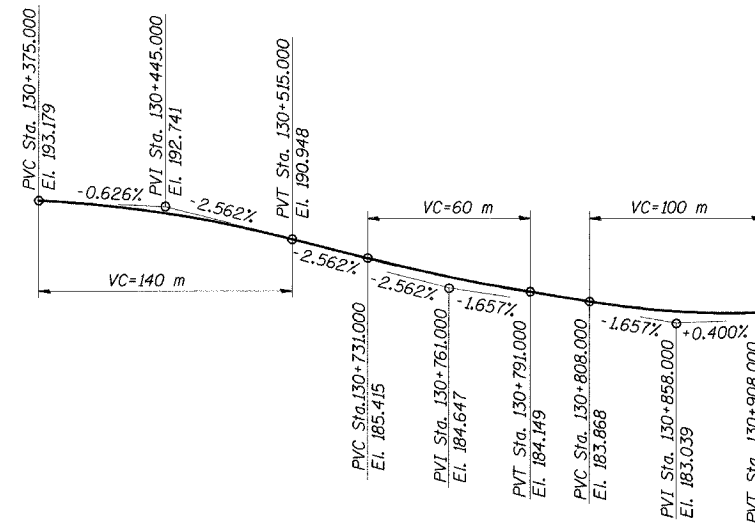
PROPOSED PROFILE GRADE NB IL 394



PROPOSED PROFILE GRADE I-80



PROPOSED PROFILE GRADE SB IL 394



PROPOSED PROFILE GRADE RAMP H

Curve BLRAMPH-2

P.I. Sta. = 130+591.957  
 $\Delta = 241^\circ 55' 32''$   
 $D = 63^\circ 39' 43''$   
 $T = 150.006 \text{ m}$   
 $L = 380.016 \text{ m}$   
 $R = 90.000 \text{ m}$   
 $E = 264.934 \text{ m}$   
 $S.E. = 6\%$   
 $P.C. \text{ Sta.} = 130+441.951$   
 $P.C.C. \text{ Sta.} = 130+821.967$

Curve BL394NB-1

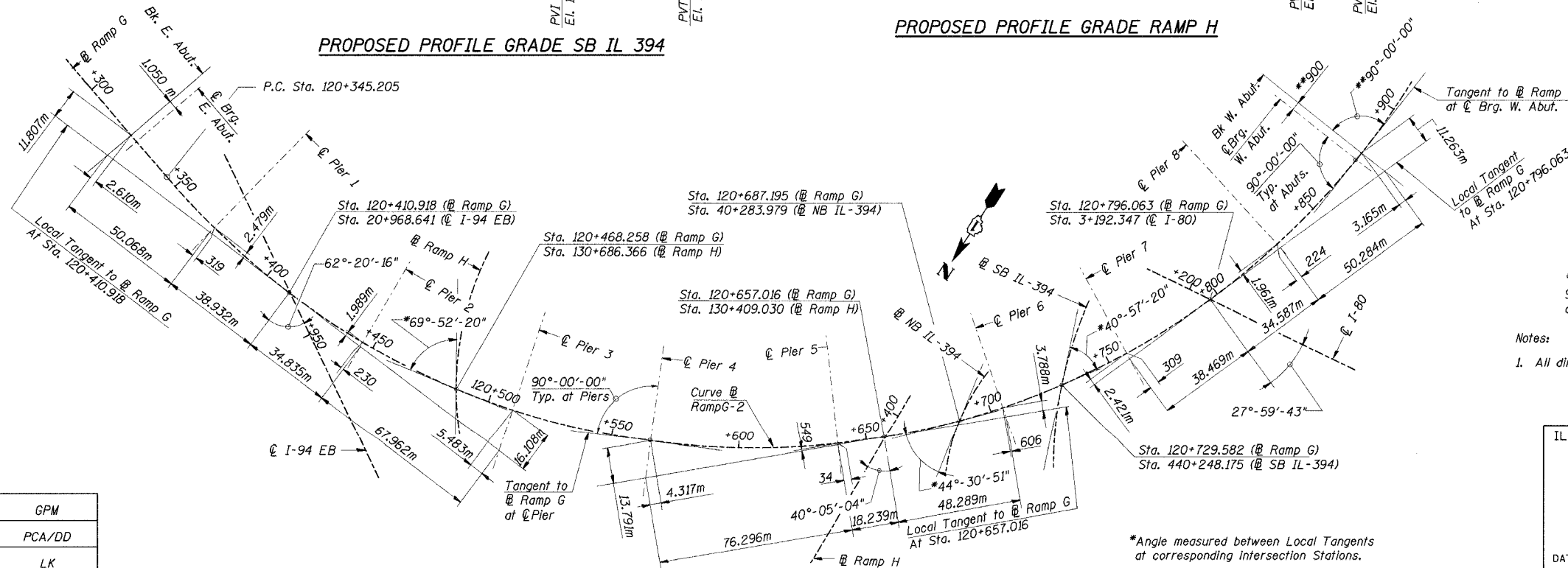
P.I. Sta. = 40+402.644  
 $\Delta = 38^\circ 44' 03''$   
 $D = 5^\circ 43' 46''$   
 $T = 351.510 \text{ m}$   
 $L = 676.039 \text{ m}$   
 $R = 1,000.000 \text{ m}$   
 $E = 59.981 \text{ m}$   
 $S.E. = 4.8\%$   
 $P.C. \text{ Sta.} = 40+051.134$   
 $P.T. \text{ Sta.} = 40+727.173$

Curve BL394SB-1

P.I. Sta. = 440+282.451  
 $\Delta = 38^\circ 53' 33''$   
 $D = 7^\circ 09' 43''$   
 $T = 282.451 \text{ m}$   
 $L = 543.043 \text{ m}$   
 $R = 800.000 \text{ m}$   
 $E = 48.398 \text{ m}$   
 $S.E. = 5.4\%$   
 $P.C. \text{ Sta.} = 440+000.000$   
 $P.T. \text{ Sta.} = 440+543.043$

\*\* Dimension measured along @ Ramp G only.  
 $90^\circ-00'-00''$  measured to Tangent to @ Ramp G at Back W. Abut.

Notes:  
 1. All dimensions are in millimeters (mm) except as noted.



OFFSET SKETCH

J:\Research\DDA\1\CTR\_28\_2804\cda\156064\4\_2804.dgn  
 28-MAR-2005 12:37

DESIGNED	GPW
CHECKED	PCA/DD
DRAWN	LK
CHECKED	PCA/DD

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-94/IL 394 SOUTH BOUND  
**OFFSET SKETCH AND PROFILES**  
**WB I-80/94 TO SB IL 394 - RAMP G**  
**FAI 80/94 - FAP 332 SECTION 0203.1B**  
 COOK COUNTY  
**STA. 120+796.063 STRUCTURE NO. 016-2804**  
 DATE 3/23/05  
 SCALE

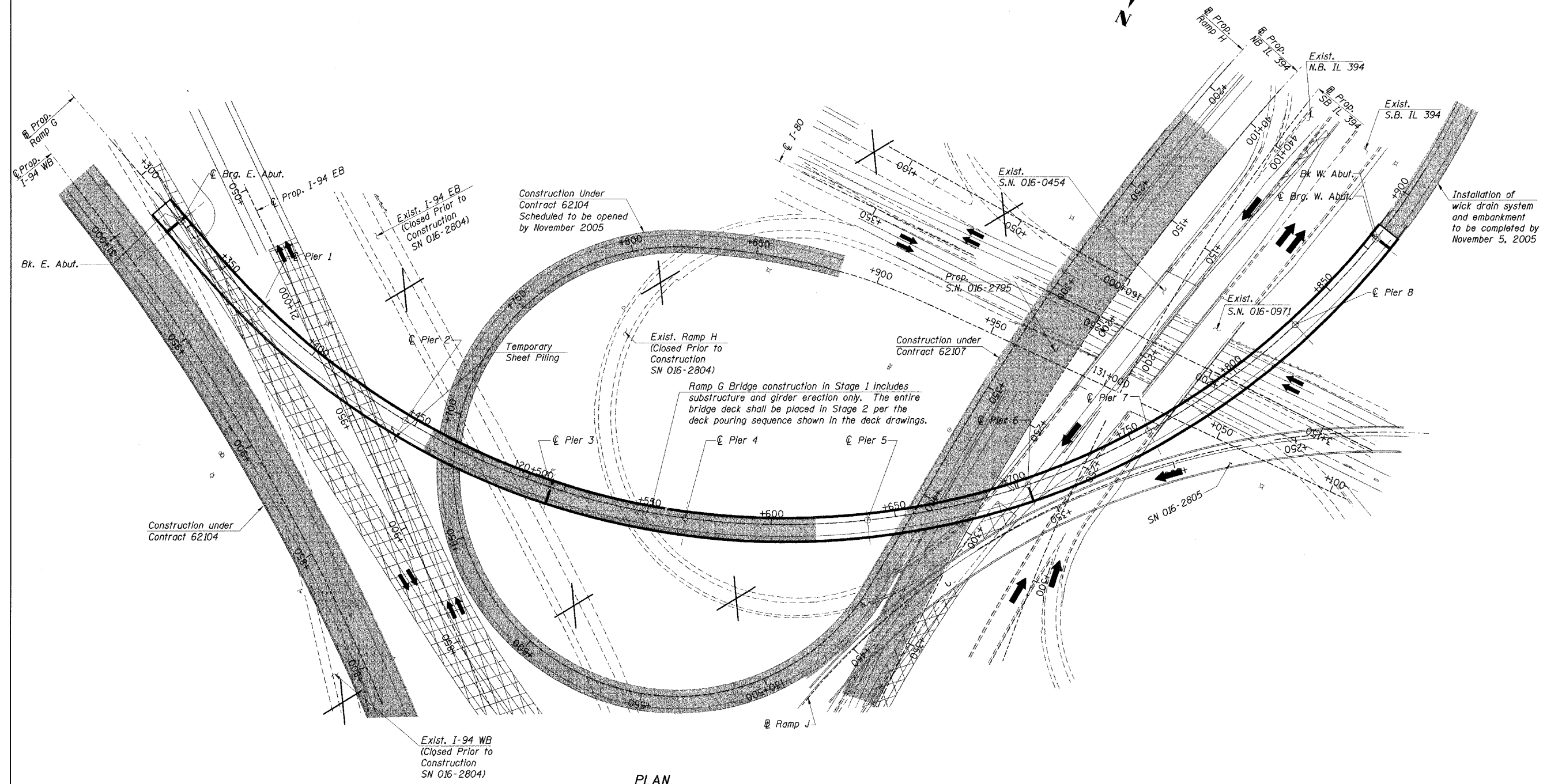


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. 80/94	0203.1B	COOK	200	65
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO. 62854

SHEET NO. 4  
91 SHEETS







PLAN

J:\Beauchamp  
 EA\345652\CADD\I-94\CTR\_28\_2804\CAD\150214a\_2804.dgn  
 28-MAR-2005 12:37

DESIGNED	JJK/GPM
CHECKED	PCA
DRAWN	JM/GPM
CHECKED	PCA

**LEGEND**

-  Area to be constructed during this phase of construction. Bridge construction includes substructure and girder erection.
-  Temporary Roadway Used for Maintenance of Traffic
-  Traffic Configuration
-  Road Closed

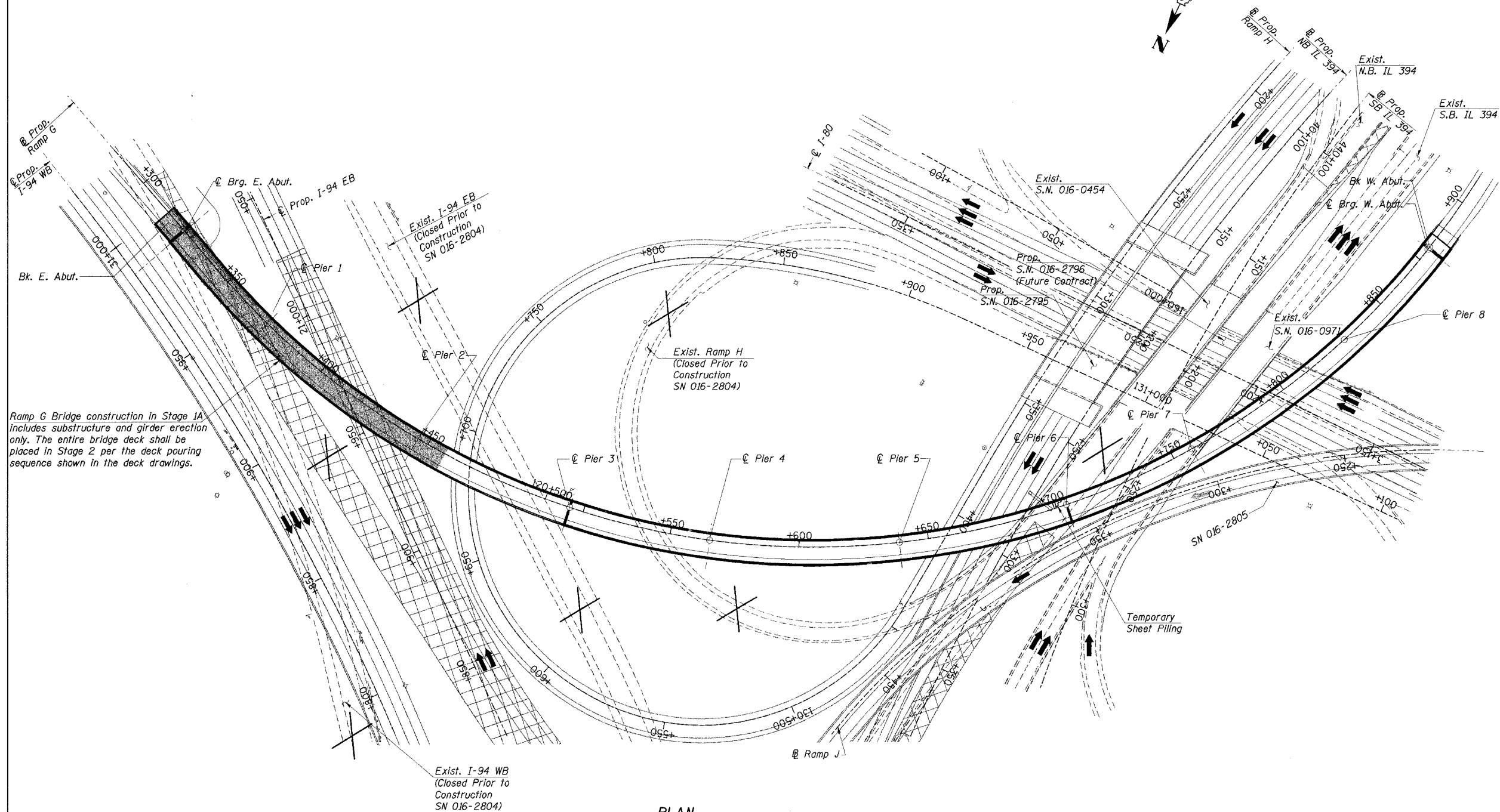
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
**SUGGESTED CONSTRUCTION SEQUENCE**  
STAGE 1  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

**HNTB**



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4A 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	66	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-	CONTRACT NO. 62854		



Ramp G Bridge construction in Stage 1A includes substructure and girder erection only. The entire bridge deck shall be placed in Stage 2 per the deck pouring sequence shown in the deck drawings.

PLAN

J:\beauchamp\p01\001\B1\CTR\_28\_2804\cda\cda1560034s\_2804.dgn  
28-MAR-2005 14:10

DESIGNED	JJK/GPM
CHECKED	PCA
DRAWN	JM/GPM
CHECKED	PCA

**STAGING**

Stage 1A:  
The East Abutment and Pier 1 must be constructed after the temporary roadways for I-94 EB and WB are no longer needed. Pier 6 shall be constructed after traffic on IL 394 NB is diverted over to SN 016-2795.

**LEGEND**

- Area to be constructed during this phase of construction. Bridge construction includes substructure and girder erection.
- Temporary Roadway Used for Maintenance of Traffic
- Winter Traffic Configuration shown
- Road Closed

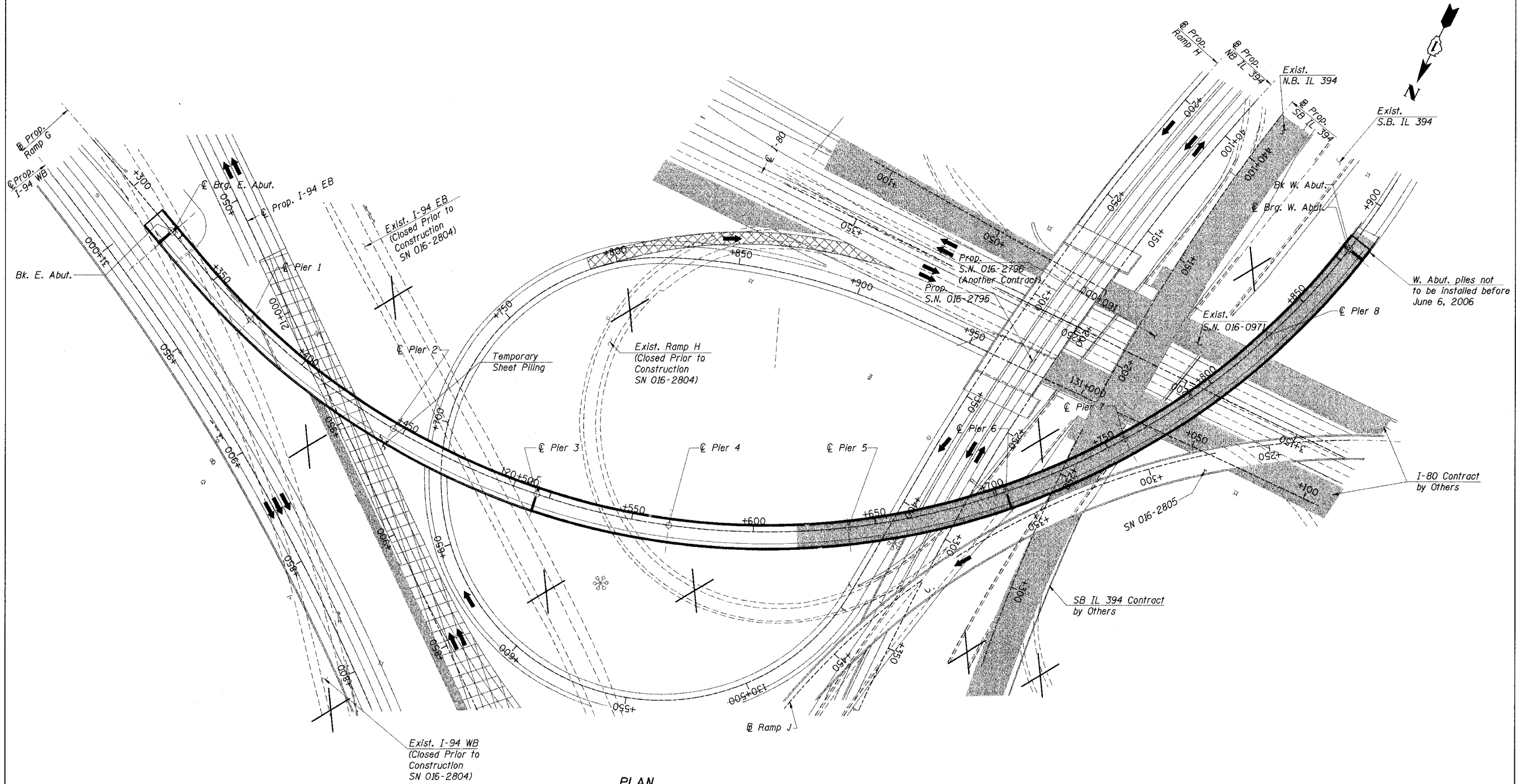
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
**SUGGESTED CONSTRUCTION SEQUENCE**  
STAGE 1A  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---





STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 5 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	67	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-	CONTRACT NO. 62854		



PLAN

J:\Beauchamp  
E:\34562\CADD\1\CTR\_26\_2804\cads\csl50024a\_2804.dgn  
28-MAR-2005 12:37

DESIGNED	JJK/GPM
CHECKED	PCA
DRAWN	JM/GPM
CHECKED	PCA

**STAGING**

Stage 2:  
Pier 7 shall be constructed after the traffic on IL 394 SB is diverted over to SN 016-2795. See Legend for additional information.

The existing North Abutment of SN 016-0971 must be removed (by others in another contract) prior to driving piles for Pier 7. Contractor to coordinate with the Contractor in that Contract.

The entire deck shall be placed during Stage 2 Construction.

**LEGEND**

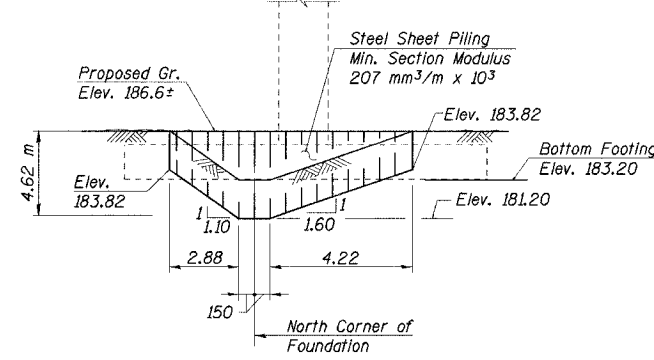
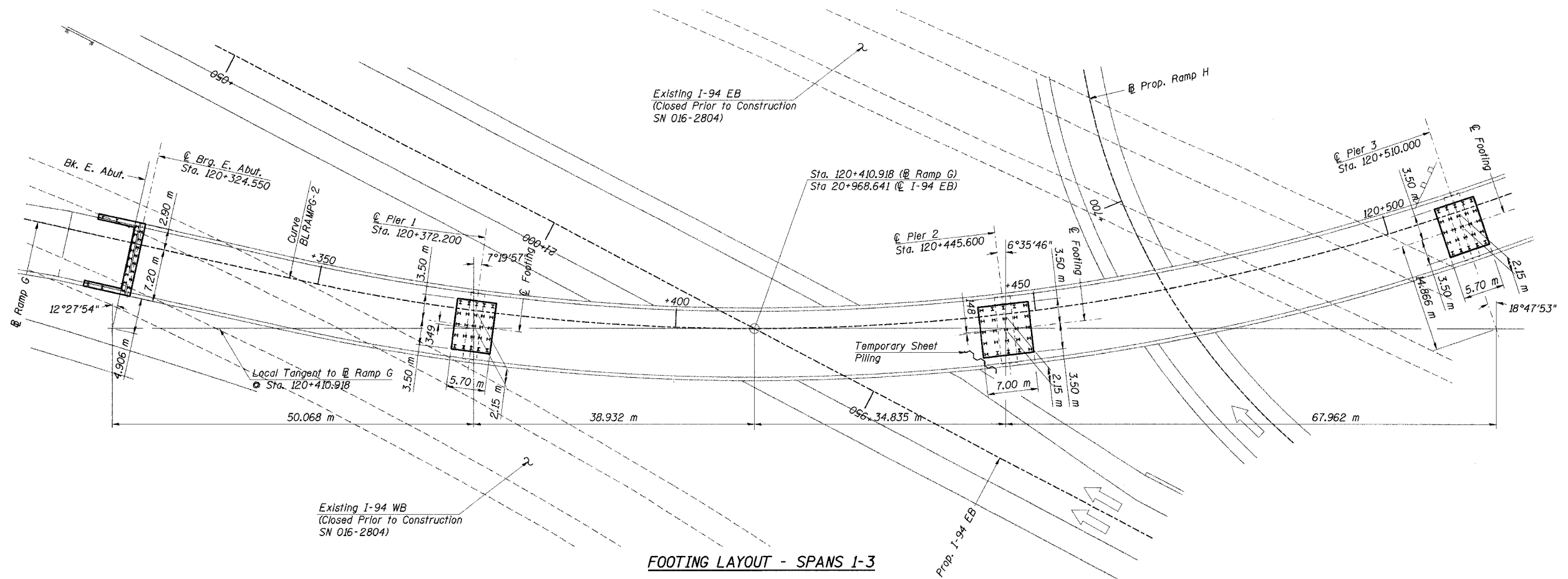
- Area to be constructed during this phase of construction. Bridge construction includes substructure and girder erection.
- Temporary Roadway Used for Maintenance of Traffic
- Traffic Configuration
- Road Closed

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
**SUGGESTED CONSTRUCTION SEQUENCE**  
STAGE 2  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 6 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	68	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-	CONTRACT NO. 62854		



**TEMPORARY SHEET PILING AT PIER 2**  
(Looking South)  
Quantity = 24.89 Sq m  
Minimum Embedment Depth = 2.0 m

**PIER SHEET PILING NOTES:**

- If the contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans for lesser design requirements, then full design submittals with the required seals will be expected by the Department, for review and approval.
- Steel Sheet Piling Yield Stress  $f_y = 265 \text{ MPa}$

**Notes:**

- All excavation for Pier foundations shall be backfilled with CA-6 compacted to the satisfaction of the engineer, cost included with Structure Excavation.

DESIGNED	JJK
CHECKED	GPM
DRAWN	LK
CHECKED	MEA

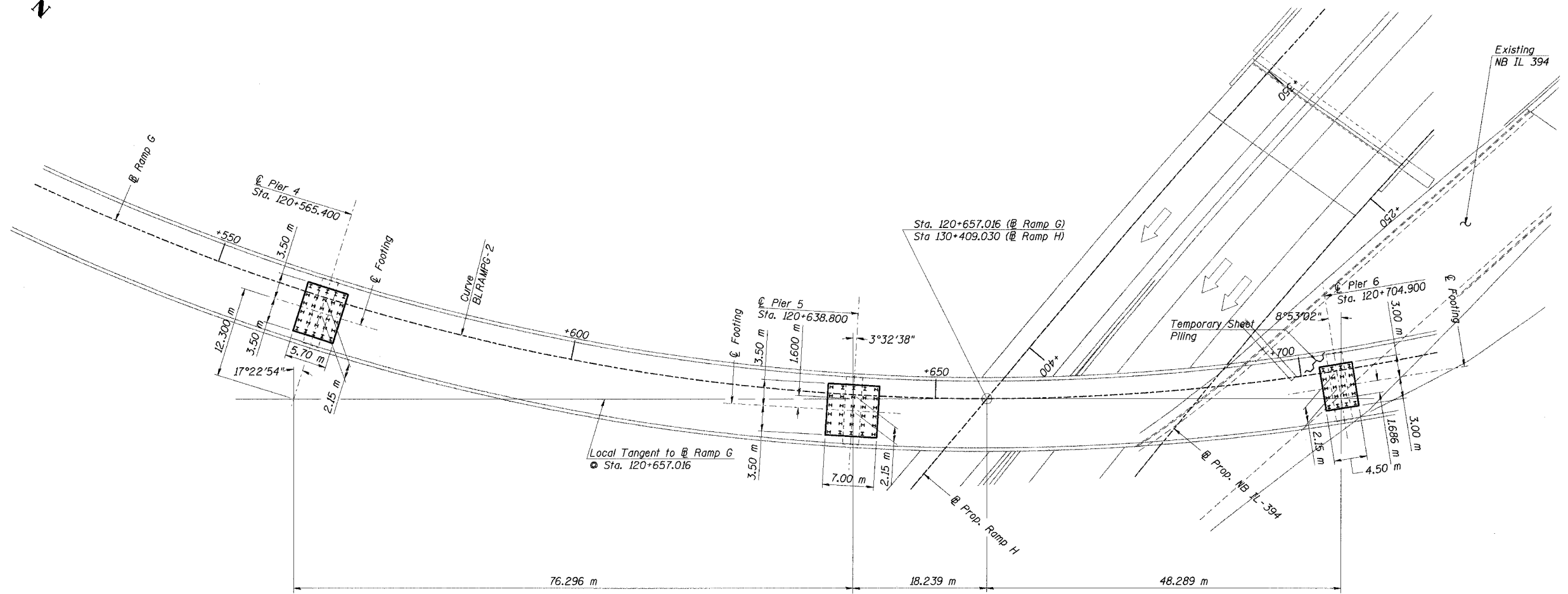
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
**FOOTING LAYOUT - SPANS 1-3**  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

**HNTB**

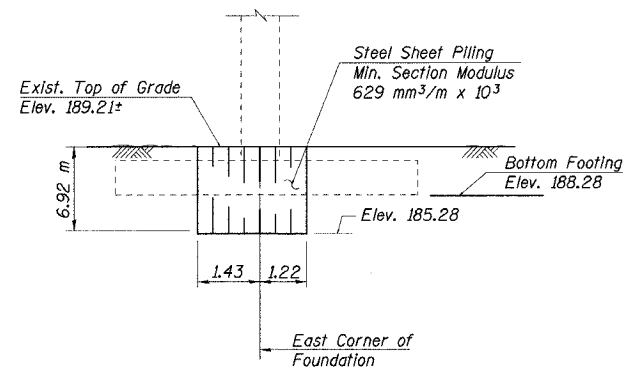
J:\Beauchamp  
 ET-34562\CAD\DRAWING\CTR\_28-2804\cda\1156014e-2804.dgn  
 28-MAR-2005 12:37

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
F. A. I. 80/94	0203.1B	COOK	200	69	91 SHEETS
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-	CONTRACT NO. 62854		



FOOTING LAYOUT - SPANS 4-6



TEMPORARY SHEET PILING AT PIER 6

(Looking West)  
Quantity = 18.34 Sq m  
Minimum Embedment Depth = 2.0 m

PIER SHEET PILING NOTES:

1. If the contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans for lesser design requirements, then full design submittals with the required seals will be expected by the Department, for review and approval.

2. Steel Sheet Piling Yield Stress  $f_y = 265$  MPa

Notes:

1. All excavation for Pier foundations shall be backfilled with CA-6 compacted to the satisfaction of the Engineer, cost included with Structure Excavation.

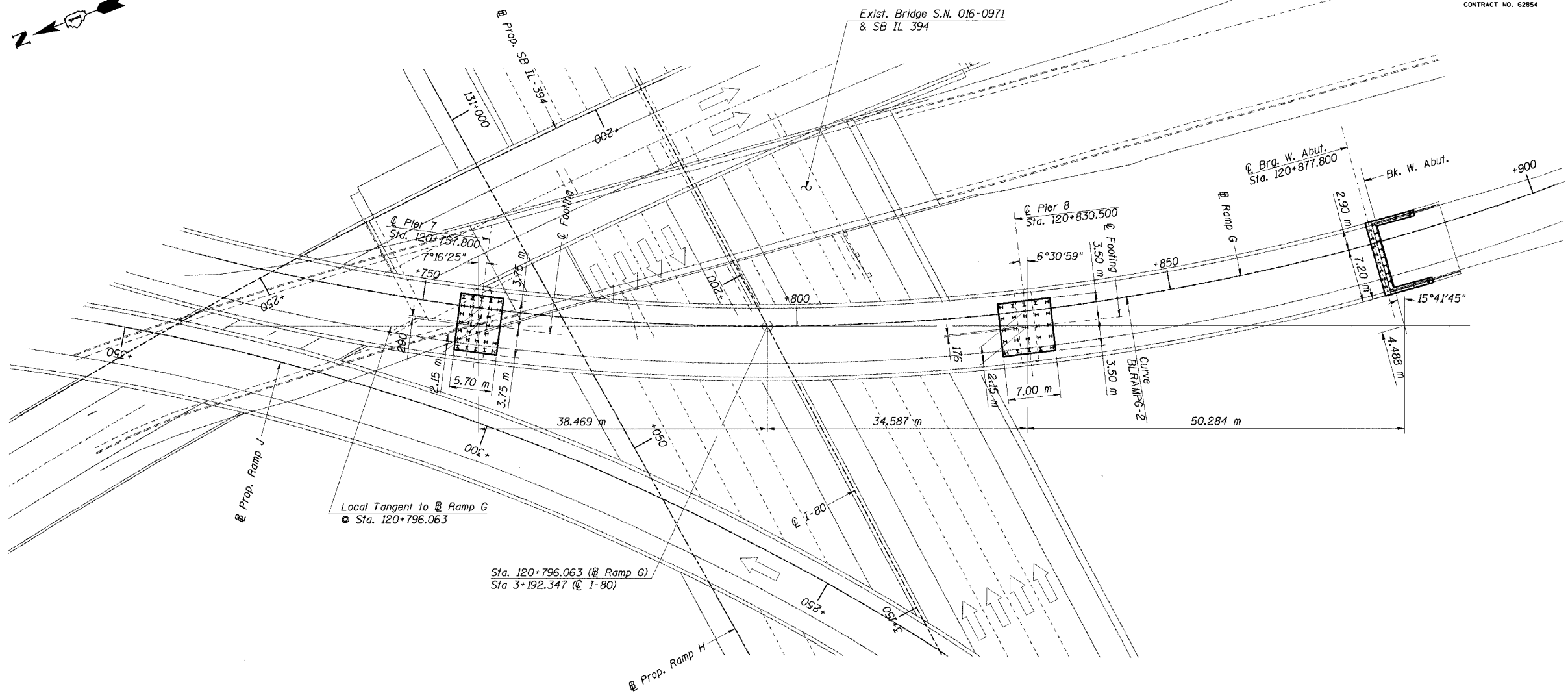
DESIGNED	JJK
CHECKED	GPM
DRAWN	LK
CHECKED	MEA

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
FOOTING LAYOUT - SPANS 4-6  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

**HNTB**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 8 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	70	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-	CONTRACT NO. 62854		



FOOTING LAYOUT - SPANS 7-9

Notes:  
1. All excavation for Pier foundations shall be backfilled with CA-6 compacted to the satisfaction of the Engineer, cost included with Structure Excavation.

J:\Beauchamp  
E:\34562\CD\01\CTR\_28\_2884\cda\1150034e\_2884.dgn  
28-MAR-2005 12:57

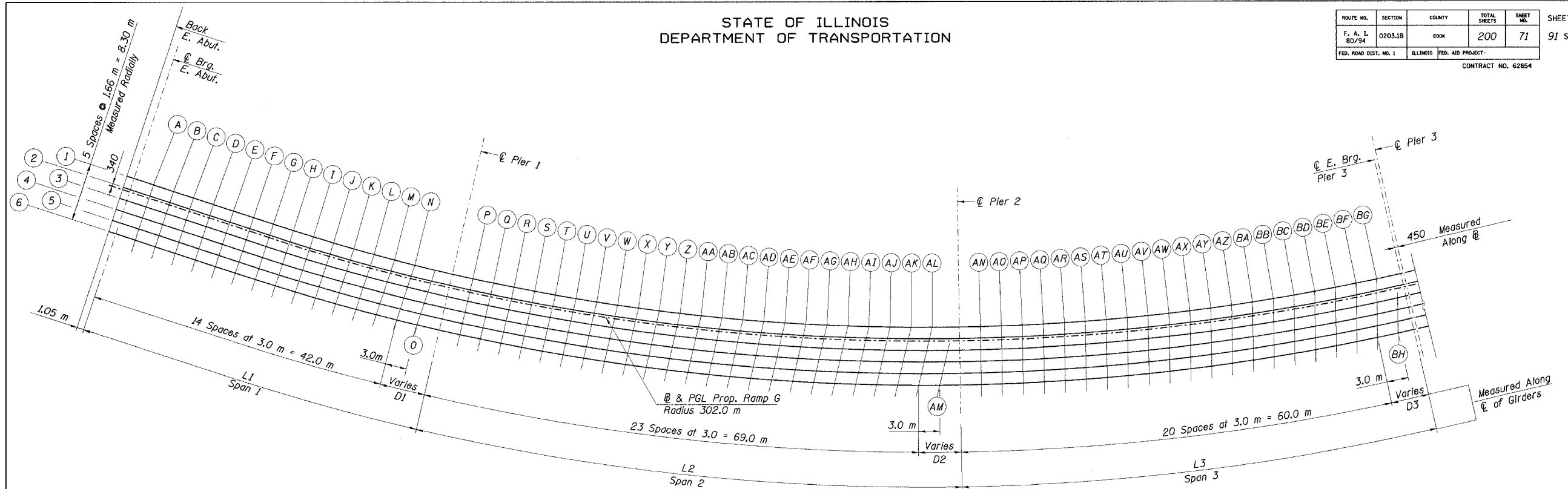
DESIGNED	JJK
CHECKED	GPM
DRAWN	LK
CHECKED	MEA

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
FOOTING LAYOUT - SPANS 7-9  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

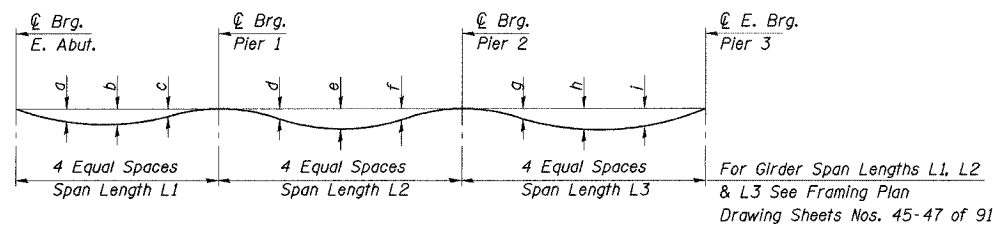
**HNTB**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 9 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	71	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-			
CONTRACT NO. 62854					



**ELEVATION GRID**



**DEAD LOAD DEFLECTION DIAGRAM**

(Includes weight of slab & parapet-no future wearing surface)

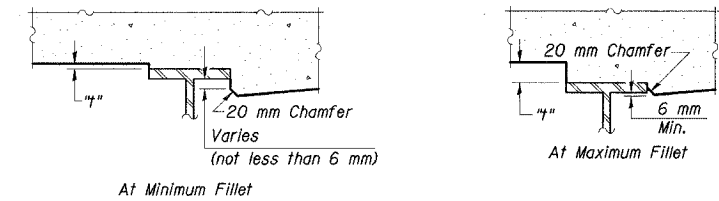
**DEAD LOAD DEFLECTION TABLE**

(Values in Millimeters)

Girder No.	Deflection	Span 1 (L1)			Span 2 (L2)			Span 3 (L3)		
		a	b	c	d	e	f	g	h	i
1		22	22	6	41	68	35	28	63	55
2		20	20	4	47	75	36	30	70	61
3		18	17	2	53	82	38	34	77	68
4		17	15	0	59	90	41	37	84	74
5		16	13	-2	65	98	43	40	92	81
6		15	12	-3	72	106	45	44	101	88

Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown in the "Top of Slab Elevations" tables. All offsets shown in the "Top of Slab Elevations" tables are in meters.

DESIGNED	JWD
CHECKED	JJK
DRAWN	LK
CHECKED	JJK



To determine "t": After all structural steel has been erected, elevations of the top flanges of the girders shall be taken at intervals shown in the elevation tables. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown, minus slab thickness, equals the fillet heights "t" above top flange of girders.

**FILLET HEIGHTS**

Notes:

1. Work this sheet with Sheet Nos. 10-12 of 91 sheets.
2. All dimensions are in millimeters (mm) unless otherwise noted.

**END OF SPAN DIMENSIONS**

(Values in Meters)

Girder	D1	D2	D3
1	5.472	3.914	3.524
2	5.620	4.317	3.877
3	5.768	4.720	4.231
4	5.916	5.125	4.585
5	6.064	5.527	4.939
6	6.213	5.931	5.293

I:\Beachcamp\DDA\1\CTR\_28\_2804\cadd\150014s\_2804.dgn  
 28-MAR-2005 12:36

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
**TOP OF SLAB ELEVATIONS GRID  
& DETAILS, SPANS 1-3**  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

**HNTB**







STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET No. 12 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	74	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-	CONTRACT NO. 62854		

GIRDER 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. E. Abut	120+323.500	6.30	191.918	191.918
CL Brg. E. Abut	120+324.550	6.30	191.967	191.967
A	120+327.550	6.30	192.110	192.115
B	120+330.550	6.30	192.252	192.262
C	120+333.550	6.30	192.394	192.407
D	120+336.550	6.30	192.537	192.553
E	120+339.550	6.30	192.679	192.696
F	120+342.550	6.30	192.821	192.837
G	120+345.543	6.30	192.963	192.977
H	120+348.482	6.30	193.103	193.115
I	120+351.420	6.30	193.242	193.250
J	120+354.359	6.30	193.381	193.385
K	120+357.298	6.30	193.521	193.521
L	120+360.236	6.30	193.660	193.657
M	120+363.175	6.30	193.800	193.795
N	120+366.114	6.30	193.931	193.925
O	120+369.053	6.30	194.048	194.044
CL Pier 1	120+372.200	6.30	194.174	194.174
P	120+375.139	6.30	194.292	194.300
Q	120+378.077	6.30	194.409	194.427
R	120+381.016	6.30	194.527	194.557
S	120+383.955	6.30	194.644	194.686
T	120+386.893	6.30	194.762	194.817
U	120+389.832	6.30	194.879	194.948
V	120+392.771	6.30	194.997	195.077
W	120+395.710	6.30	195.114	195.205
X	120+398.648	6.30	195.232	195.331
Y	120+401.587	6.30	195.349	195.454
Z	120+404.526	6.30	195.467	195.574
AA	120+407.464	6.30	195.584	195.691
AB	120+410.403	6.30	195.700	195.803
AC	120+413.342	6.30	195.815	195.913
AD	120+416.280	6.30	195.928	196.018
AE	120+419.219	6.30	196.041	196.120
AF	120+422.158	6.30	196.152	196.219
AG	120+425.097	6.30	196.261	196.316
AH	120+428.035	6.30	196.370	196.412
AI	120+430.974	6.30	196.477	196.507
AJ	120+433.913	6.30	196.584	196.604
AK	120+436.851	6.30	196.689	196.701
AL	120+439.790	6.30	196.792	196.797
AM	120+442.729	6.30	196.895	196.896
CL Pier 2	120+445.600	6.30	196.994	196.994
AN	120+448.539	6.30	197.094	197.097
AO	120+451.477	6.30	197.193	197.202
AP	120+454.416	6.30	197.291	197.308
AQ	120+457.355	6.30	197.387	197.414
AR	120+460.293	6.30	197.482	197.520
AS	120+463.232	6.30	197.576	197.626
AT	120+466.171	6.30	197.669	197.732
AU	120+469.110	6.30	197.761	197.836
AV	120+472.048	6.30	197.851	197.936
AW	120+474.987	6.30	197.940	198.034
AX	120+477.926	6.30	198.028	198.129
AY	120+480.864	6.30	198.115	198.220
AZ	120+483.803	6.30	198.200	198.306
BA	120+486.742	6.30	198.285	198.389
BB	120+489.680	6.30	198.368	198.468
BC	120+492.619	6.30	198.450	198.542
BD	120+495.558	6.30	198.530	198.611
BE	120+498.497	6.30	198.610	198.678
BF	120+501.435	6.30	198.688	198.741
BG	120+504.374	6.30	198.765	198.801
BH	120+507.313	6.30	198.841	198.858
CL Brg. Pier 3 DS	120+509.541	6.30	198.897	198.897
CL Pier 3	120+510.000	6.30	198.909	198.909

DESIGNED	JWD
CHECKED	JJK
DRAWN	LK
CHECKED	JJK

Notes:

1. Work this sheet with Sheet No. 9 of 91 sheets.
2. All elevations and offsets are in meters (m).

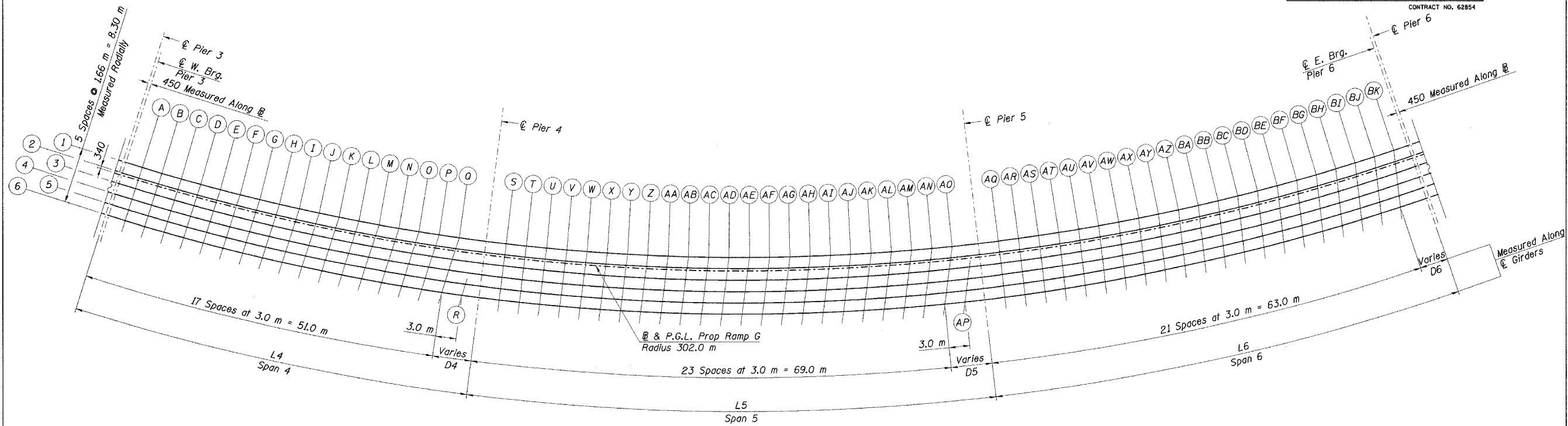
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
TOP OF SLAB ELEVATIONS-3  
SPANS 1-3  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

**HNTB**

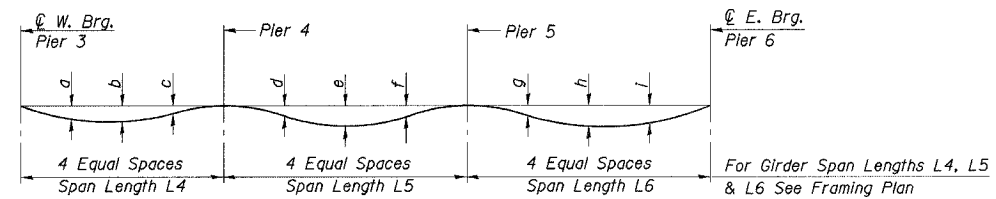
I:\Beauchamp\28-114\28-114\CTP\28-2804\cde\sp1508446\_2804.dgn  
28-MAR-2005 12:36

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 13 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	75	
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT-		CONTRACT NO. 62854		



**ELEVATION GRID**



**DEAD LOAD DEFLECTION DIAGRAM**

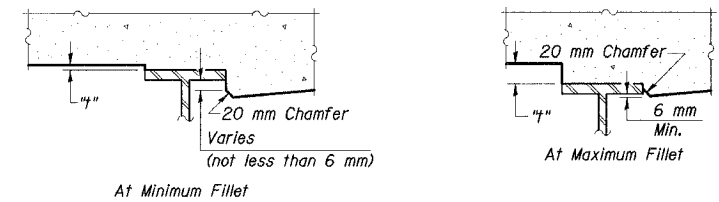
(Includes weight of slab & parapets-no future wearing surface)

**DEAD LOAD DEFLECTION TABLE**

Girder No.	Deflection	Span 4 (L4)			Span 5 (L5)			Span 6 (L6)		
		a	b	c	d	e	f	g	h	i
1		38	43	17	38	65	31	37	83	71
2		42	48	20	36	63	28	42	90	77
3		47	54	23	35	61	26	47	98	83
4		53	61	26	34	60	23	52	106	90
5		58	67	30	33	59	21	58	115	97
6		64	74	34	32	58	19	64	124	104

Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown in the "Top of Slab Elevations" tables. All offsets shown in the "Top of Slab Elevations" tables are in meters.

DESIGNED	JWD
CHECKED	JJK
DRAWN	LK
CHECKED	JJK



To determine "t": After all structural steel has been erected, elevations of the top flanges of the girders shall be taken at intervals shown in the elevation tables. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown, minus slab thickness, equals the fillet heights "t" above top flange of girders.

**FILLET HEIGHTS**

**END OF SPAN DIMENSIONS**

(Values in Meters)

Girder	D4	D5	D6
1	3.583	3.914	2.212
2	3.888	4.317	2.576
3	4.192	4.720	2.939
4	4.497	5.125	3.302
5	4.801	5.527	3.666
6	5.106	5.931	4.029

Notes:

1. Work this sheet with Sheet Nos. 14-16 of 91 sheets.
2. All dimensions are in millimeters (mm) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
TOP OF SLAB ELEVATIONS, GRID  
& DETAILS, SPANS 4-6  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

**HNTB**

J:\Beauchamp  
E:\34562\CA\01\J\CTR\_28\_2804\cads\sp150054a\_2804.dgn  
28-MAR-2005 12:56





STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 16 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	78	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-			

CONTRACT NO. 62854

GIRDER 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL Pier 3	120+510.000	6.30	198.909	198.909
CL Brg. Pier 3 US	120+510.459	6.30	198.920	198.920
A	120+513.398	6.30	198.993	199.012
B	120+516.336	6.30	199.065	199.099
C	120+519.275	6.30	199.136	199.183
D	120+522.214	6.30	199.206	199.264
E	120+525.152	6.30	199.274	199.341
F	120+528.091	6.30	199.341	199.415
G	120+531.030	6.30	199.407	199.484
H	120+533.969	6.30	199.472	199.549
I	120+536.907	6.30	199.536	199.611
J	120+539.846	6.30	199.598	199.668
K	120+542.785	6.30	199.659	199.722
L	120+545.723	6.30	199.719	199.773
M	120+548.662	6.30	199.777	199.821
N	120+554.539	6.30	199.835	199.868
O	120+557.478	6.30	199.891	199.914
P	120+560.417	6.30	199.946	199.961
Q	120+563.356	6.30	200.000	200.008
R	120+563.347	6.30	200.052	200.054
CL Pier 4	120+565.400	6.30	200.088	200.088
S	120+568.339	6.30	200.139	200.140
T	120+571.277	6.30	200.188	200.192
U	120+574.216	6.30	200.236	200.244
V	120+577.155	6.30	200.283	200.297
W	120+580.093	6.30	200.329	200.351
X	120+583.032	6.30	200.373	200.403
Y	120+585.971	6.30	200.416	200.454
Z	120+588.910	6.30	200.458	200.504
AA	120+591.848	6.30	200.499	200.551
AB	120+594.787	6.30	200.539	200.595
AC	120+597.726	6.30	200.577	200.635
AD	120+600.664	6.30	200.614	200.673
AE	120+603.603	6.30	200.650	200.707
AF	120+606.542	6.30	200.684	200.738
AG	120+609.480	6.30	200.718	200.766
AH	120+612.419	6.30	200.750	200.791
AI	120+615.358	6.30	200.781	200.814
AJ	120+618.297	6.30	200.811	200.836
AK	120+621.235	6.30	200.839	200.856
AL	120+624.174	6.30	200.867	200.876
AM	120+627.113	6.30	200.893	200.896
AN	120+630.051	6.30	200.918	200.917
AO	120+632.990	6.30	200.942	200.939
AP	120+635.929	6.30	200.964	200.961
CL Pier 5	120+638.800	6.30	200.985	200.985
AQ	120+641.739	6.30	201.005	201.012
AR	120+644.677	6.30	201.024	201.041
AS	120+647.616	6.30	201.041	201.069
AT	120+650.555	6.30	201.058	201.099
AU	120+653.493	6.30	201.073	201.127
AV	120+656.432	6.30	201.087	201.156
AW	120+659.371	6.30	201.100	201.183
AX	120+662.310	6.30	201.111	201.207
AY	120+665.248	6.30	201.122	201.229
AZ	120+668.187	6.30	201.131	201.247
BA	120+671.126	6.30	201.139	201.262
BB	120+674.064	6.30	201.145	201.272
BC	120+677.003	6.30	201.151	201.279
BD	120+679.942	6.30	201.155	201.281
BE	120+682.880	6.30	201.158	201.279
BF	120+685.819	6.30	201.160	201.273
BG	120+688.758	6.30	201.161	201.263
BH	120+691.697	6.30	201.160	201.249
BI	120+694.635	6.30	201.158	201.230
BJ	120+697.574	6.30	201.155	201.209
BK	120+700.513	6.30	201.151	201.184
CL Brg. Pier 6 DS	120.704.441	6.30	201.143	201.143
CL Pier 6	120+704.900	6.30	201.142	201.142

DESIGNED	JWD
CHECKED	JJK
DRAWN	LK
CHECKED	JJK

JBeauchamp  
E:\34562\CADD\1\CTR\_28-2804\cda\sp150004.e.2804.dgn  
28-MAR-2005 12:35

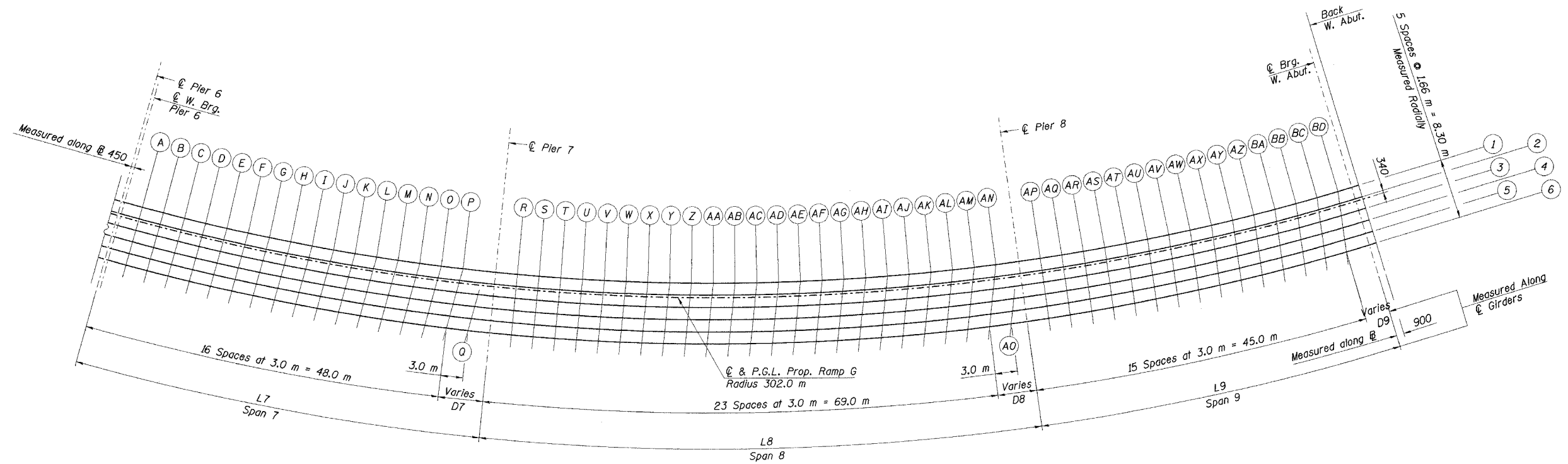
- Notes:
1. Work this sheet with Sheet No. 13 of 91 sheets.
  2. All elevations and offsets are in meters (m).

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
TOP OF SLAB ELEVATIONS-3  
SPANS 4-6  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

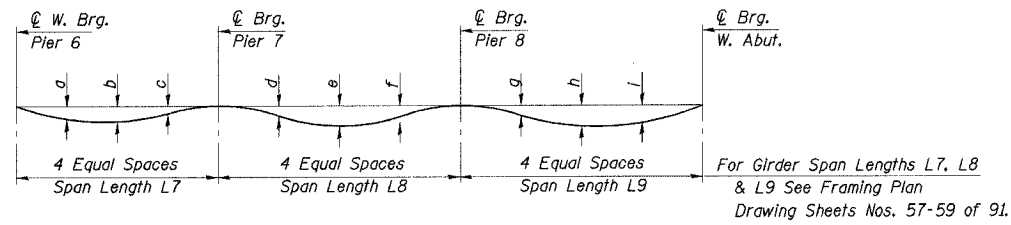
**HNTB**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F. A. I. 80/94	SECTION 0203.1B	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 79	SHEET NO. 17 91 SHEETS
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		CONTRACT NO. 62854	



**ELEVATION GRID**



**DEAD LOAD DEFLECTION DIAGRAM**  
(Includes weight of slab & parapet-no future wearing surface)

**DEAD LOAD DEFLECTION TABLE**  
(Values in Millimeters)

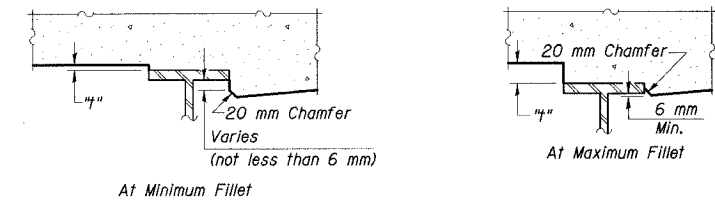
Girder No.	Deflection	Span 7 (L7)			Span 8 (L8)			Span 9 (L9)		
		a	b	c	d	e	f	g	h	i
1		31	33	10	51	89	54	3	18	18
2		30	31	8	53	94	56	1	15	17
3		30	30	7	56	98	59	-1	13	16
4		30	30	6	59	103	61	-2	11	15
5		30	29	5	62	108	65	-4	10	14
6		31	29	4	65	114	68	-5	8	14

Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown in the "Top of Slab Elevations" tables. All offsets shown in the "Top of Slab Elevations" tables are in meters.

DESIGNED	JWD
CHECKED	JJK
DRAWN	LK
CHECKED	JJK

**END OF SPAN DIMENSIONS**  
(Values in Meters)

Girder	D7	D8	D9
1	4.100	3.219	2.086
2	4.390	3.618	2.346
3	4.681	4.017	2.607
4	4.972	4.417	2.868
5	5.263	4.816	3.128
6	5.554	5.216	3.389



**FILLET HEIGHTS**

- Notes:
1. Work this sheet with Sheet Nos. 18-20 of 91 sheets.
  2. All dimensions are in millimeters (mm) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
TOP OF SLAB ELEVATIONS, GRID  
& DETAILS, SPANS 7-9  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

**HNTB**

J:\Beauchamp  
E:\34562\CADD\N1\CTR\_28\_2804\cda\sp150054e\_2804.dgn  
28-MAR-2005 12:36







STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 20 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	82	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-	CONTRACT NO. 62854		

GIRDER 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL Pier 6	120+704.900	6.30	201.142	201.142
CL Brg. Pier 6 US	120+705.359	6.30	201.141	201.141
A	120+708.298	6.30	201.134	201.144
B	120+711.236	6.30	201.125	201.143
C	120+714.175	6.30	201.115	201.139
D	120+717.114	6.30	201.104	201.133
E	120+720.052	6.30	201.091	201.124
F	120+722.991	6.30	201.078	201.112
G	120+725.930	6.30	201.063	201.097
H	120+728.869	6.30	201.047	201.079
I	120+731.807	6.30	201.030	201.058
J	120+734.746	6.30	201.011	201.034
K	120+737.685	6.30	200.992	201.009
L	120+740.623	6.30	200.971	200.983
M	120+743.562	6.30	200.949	200.955
N	120+746.501	6.30	200.925	200.926
O	120+749.439	6.30	200.901	200.900
P	120+752.378	6.30	200.875	200.872
Q	120+755.317	6.30	200.848	200.846
CL Pier 7	120+757.800	6.30	200.825	200.825
R	120+760.739	6.30	200.797	200.803
S	120+763.677	6.30	200.770	200.785
T	120+766.616	6.30	200.743	200.768
U	120+769.555	6.30	200.715	200.751
V	120+772.493	6.30	200.688	200.737
W	120+775.432	6.30	200.660	200.723
X	120+778.371	6.30	200.633	200.708
Y	120+781.310	6.30	200.605	200.692
Z	120+784.248	6.30	200.578	200.675
AA	120+787.187	6.30	200.550	200.655
AB	120+790.126	6.30	200.523	200.634
AC	120+793.064	6.30	200.496	200.609
AD	120+796.003	6.30	200.468	200.581
AE	120+798.942	6.30	200.441	200.551
AF	120+801.880	6.30	200.413	200.518
AG	120+804.819	6.30	200.386	200.483
AH	120+807.758	6.30	200.358	200.444
AI	120+810.697	6.30	200.331	200.406
AJ	120+813.635	6.30	200.304	200.366
AK	120+816.574	6.30	200.276	200.325
AL	120+819.513	6.30	200.249	200.285
AM	120+822.451	6.30	200.221	200.245
AN	120+825.390	6.30	200.194	200.208
AO	120+828.329	6.30	200.166	200.171
CL Pier 8	120+830.500	6.30	200.146	200.146
AP	120+833.439	6.30	200.119	200.115
AQ	120+836.377	6.30	200.091	200.086
AR	120+839.316	6.30	200.064	200.058
AS	120+842.255	6.30	200.036	200.031
AT	120+845.193	6.30	200.009	200.006
AU	120+848.132	6.30	199.981	199.982
AV	120+851.071	6.30	199.954	199.959
AW	120+854.010	6.30	199.927	199.935
AX	120+856.948	6.30	199.899	199.910
AY	120+859.887	6.30	199.872	199.886
AZ	120+862.826	6.30	199.844	199.859
BA	120+865.764	6.30	199.817	199.831
BB	120+868.703	6.30	199.789	199.802
BC	120+871.642	6.30	199.762	199.771
BD	120+874.580	6.30	199.734	199.739
CL Brg. W. Abut.	120+877.900	6.30	199.703	199.703
Bk. W. Abut.	120+878.800	6.30	199.695	199.695

DESIGNED	JWD
CHECKED	JJK
DRAWN	LK
CHECKED	JJK

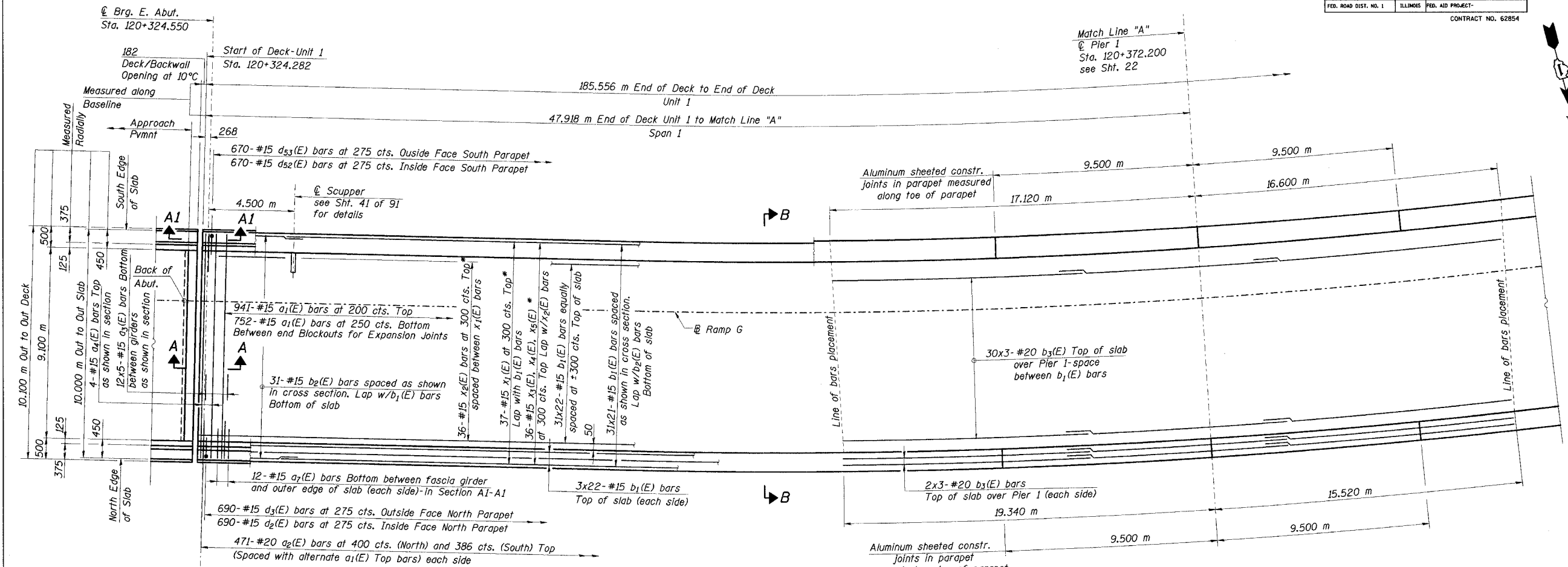
J:\Beauchamp  
E:\34562\CADD\1\CTR\_28\_2804\cda\sp150124e\_2804.dgn  
28-MAR-2005 12:35

- Notes:
1. Work this sheet with Sheet No. 17 of 91 sheets.
  2. All elevations and offsets are in meters (m).

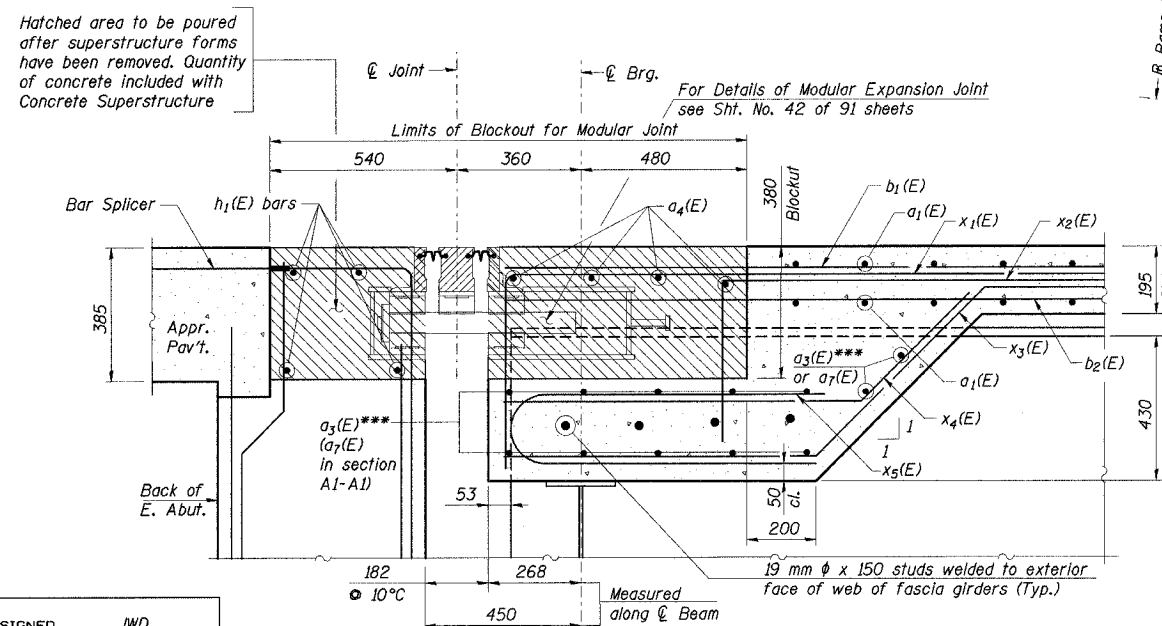
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
TOP OF SLAB ELEVATIONS-3  
SPANS 7-9  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---  
**HNTB**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

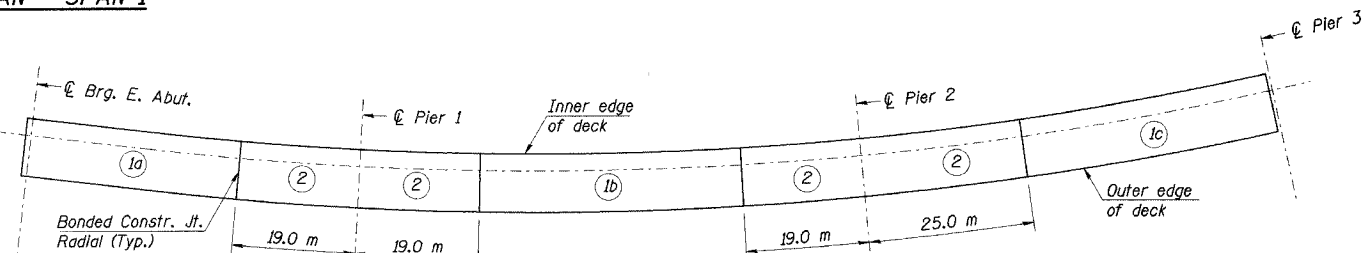
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 21 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	83	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-			
CONTRACT NO. 62854					



DECK PLAN - SPAN 1



SECTION A-A (as shown)  
SECTION A1-A1 similar  
(Not all reinforcement shown in Abutment)



DECK POURING SEQUENCE

Notes:

- Span dimensions given along baseline.
- For deck cross section B-B, see Sht. No. 24.
- For parapet reinforcement, see Sheets No's 24-26.
- For localized scupper reinforcement and Bill of Material, see Sht. No. 39.
- Typical lap splice lengths for reinforcement are based on a class C lap with 0.8 reduction for min. spacing:  
#15 bars - 510  
#20 bars - 640
- Transverse reinforcement spacing is at outer edge. The transverse bars shall be placed radially and spacing along inner edge due to deck curvature is approximately:  
Outer spa. Inner spa.  
200 ~ 193  
250 ~ 242
- All bars designated (E) are epoxy coated.

The concrete must be placed in manner such that the concrete poured at the beginning of a day's pour does not cure until all the concrete for that day is in place.

- For E. Abutment Reinforcement in blackout, see Sheets No's 70 & 71.
- For E. Abutment Modular Joint Details, see Sht. No. 42.
- Bars indicated thus "12x5-#15 etc." indicate 12 lines of bars with 5 lengths per line.
- Place d (E) series parapet bars to avoid Aluminum Sheeted Joint location in parapet.
- All dimensions are in millimeters (mm) except as noted.

DESIGNED	JWD
CHECKED	DD
DRAWN	LK
CHECKED	DD

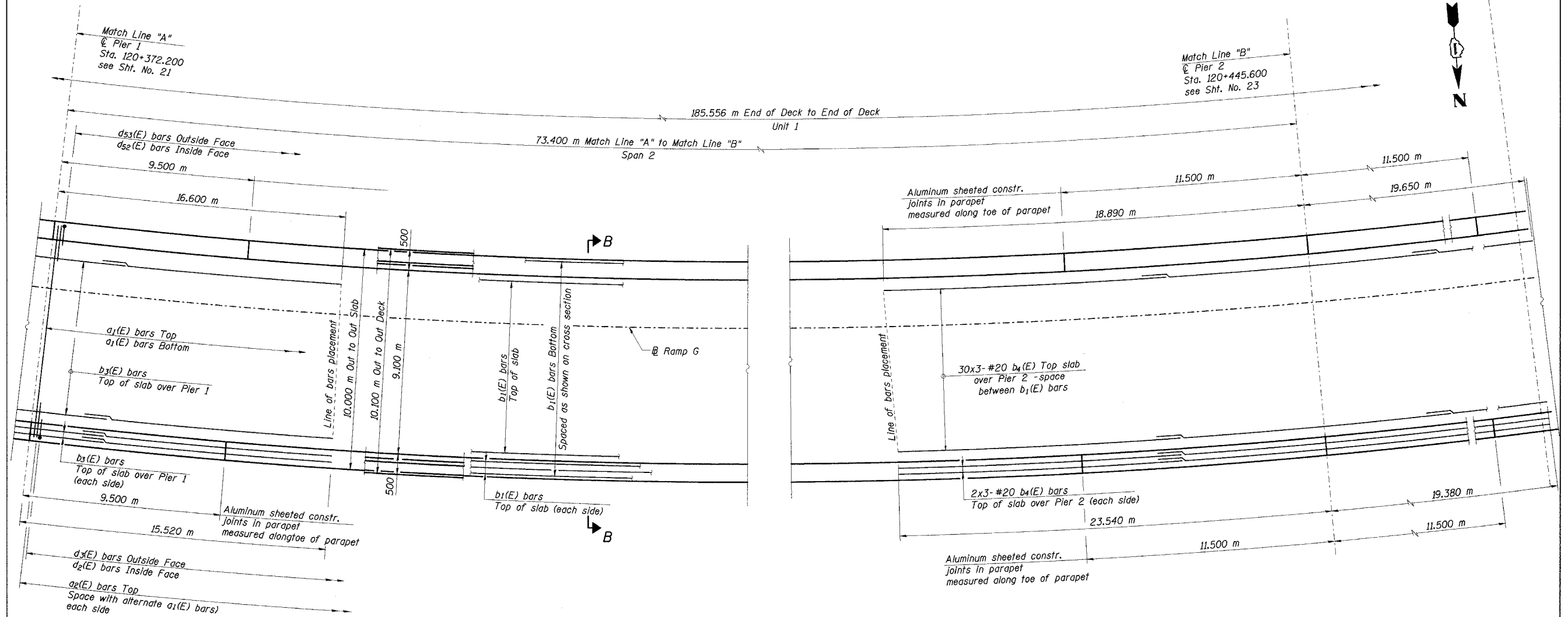
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
DECK PLAN  
SPAN 1  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

HNTB

J:\Beauchamp  
E:\314562\CADD\B1\CTR\_28\_2804\cadd\au150014e\_2804.dgn  
28-MAR-2005 12:35

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 22 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	84	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-	CONTRACT NO. 62854		



DECK PLAN - SPAN 2

Notes:

- Span dimensions given along baseline.
- For deck cross section B-B, see Sht. No. 24.
- For parapet reinforcement, see Sheets Nos. 24-26.
- For localized scupper reinforcement and Bill of Material, see Sht. 39.
- Typical lap splice lengths for reinforcement are based on a class C lap with 0.8 reduction for min. spacing:  
#15 bars - 510  
#20 bars - 640
- Transverse reinforcement spacing is at outer edge. The transverse bars shall be placed radially and spacing along inner edge due to deck curvature is approximately:  
Outer spa. Inner spa.  
200 ~ 193  
250 ~ 242
- All bars designated (E) are epoxy coated.
- Bars indicated thus "12x5-#15 etc." indicates 12 lines of bars with 5 lengths per line.
- Place d (E) series parapet bars to avoid Aluminum Sheeted Joint Location in Parapets.
- All dimensions are in millimeters (mm) except as noted.

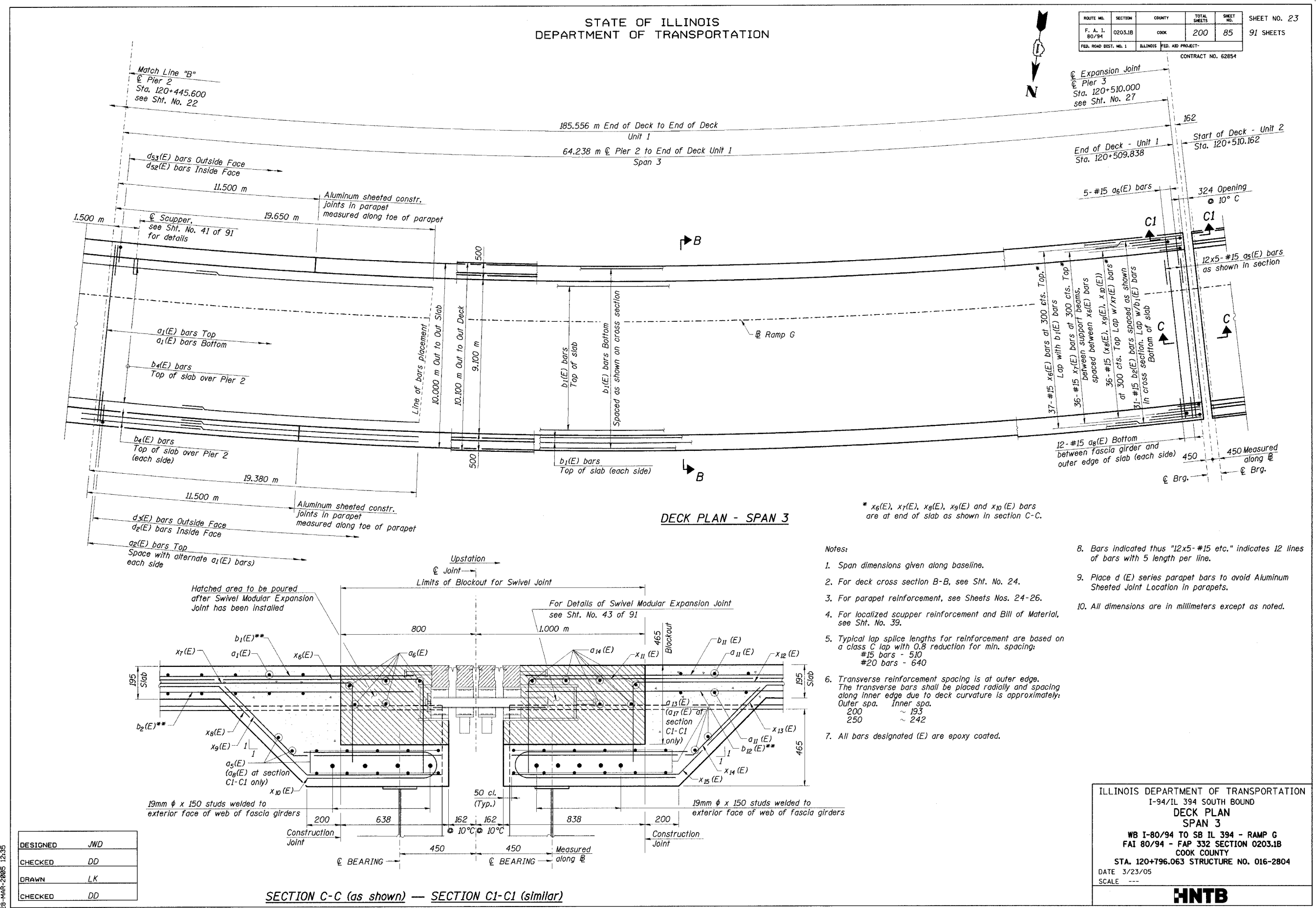
J:\Beauchamp  
E:\34562\CADD\B1\CTR\_28\_2804\cads\aut\0224.e\_2804.dgn  
28-MAR-2005 12:35

DESIGNED	JWD
CHECKED	DD
DRAWN	LK
CHECKED	DD

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
DECK PLAN  
SPAN 2  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---  
**HNTB**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 23
F. A. I. 80/94	0203.1B	COOK	200	85	91 SHEETS
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-			



DECK PLAN - SPAN 3

\*  $x_6(E)$ ,  $x_7(E)$ ,  $x_8(E)$ ,  $x_9(E)$  and  $x_{10}(E)$  bars are at end of slab as shown in section C-C.

Notes:

- Span dimensions given along baseline.
- For deck cross section B-B, see Sht. No. 24.
- For parapet reinforcement, see Sheets Nos. 24-26.
- For localized scupper reinforcement and Bill of Material, see Sht. No. 39.
- Typical lap splice lengths for reinforcement are based on a class C lap with 0.8 reduction for min. spacing:  
#15 bars - 510  
#20 bars - 640
- Transverse reinforcement spacing is at outer edge. The transverse bars shall be placed radially and spacing along inner edge due to deck curvature is approximately:  
Outer spa. Inner spa.  
200 ~ 193  
250 ~ 242
- All bars designated (E) are epoxy coated.
- Bars indicated thus "12x5-#15 etc." indicates 12 lines of bars with 5 length per line.
- Place d(E) series parapet bars to avoid Aluminum Sheeted Joint Location in parapets.
- All dimensions are in millimeters except as noted.

DESIGNED	JWD
CHECKED	DD
DRAWN	LK
CHECKED	DD

SECTION C-C (as shown) — SECTION C1-C1 (similar)

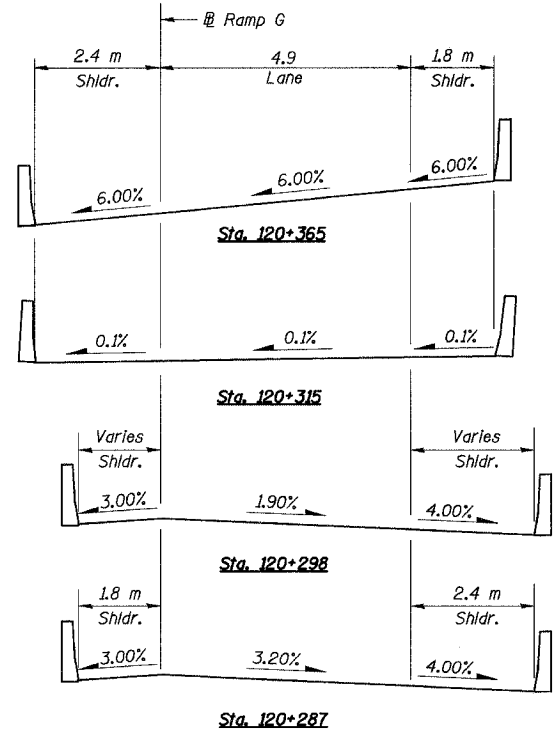
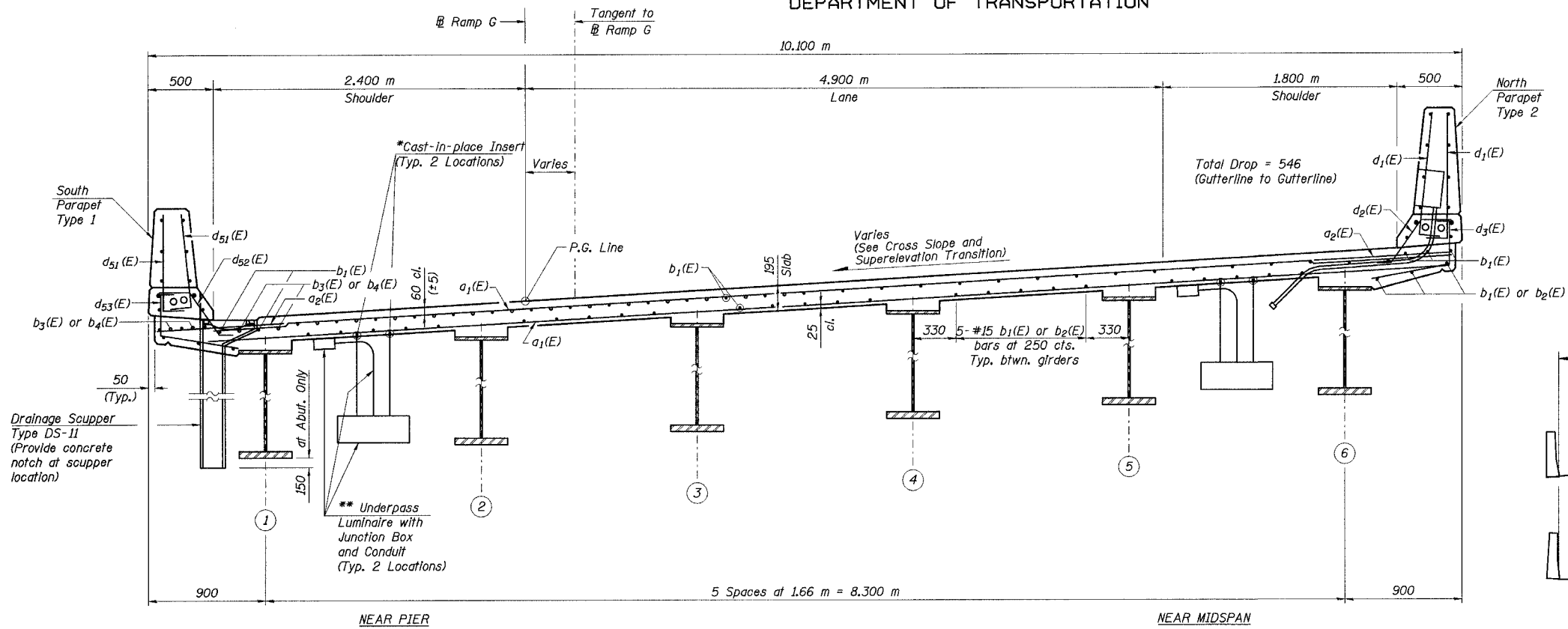
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
DECK PLAN  
SPAN 3  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

**HNTB**

J:\Beauchamp  
EA\34562\CADD\1\CTR\_28-2804\cda\1500334a\_2804.dgn  
28-MAR-2005 12:35

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

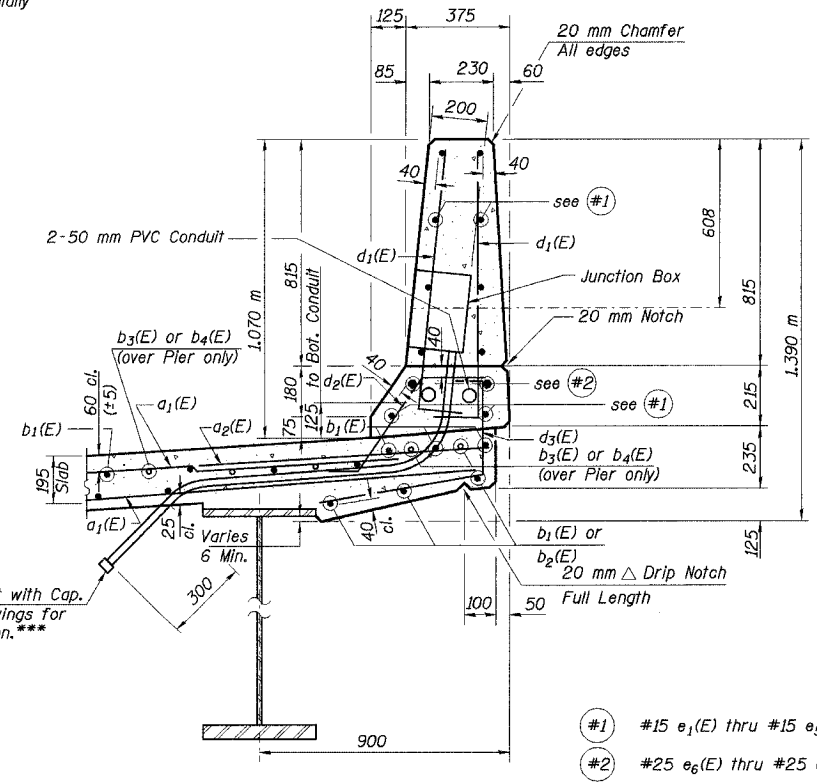
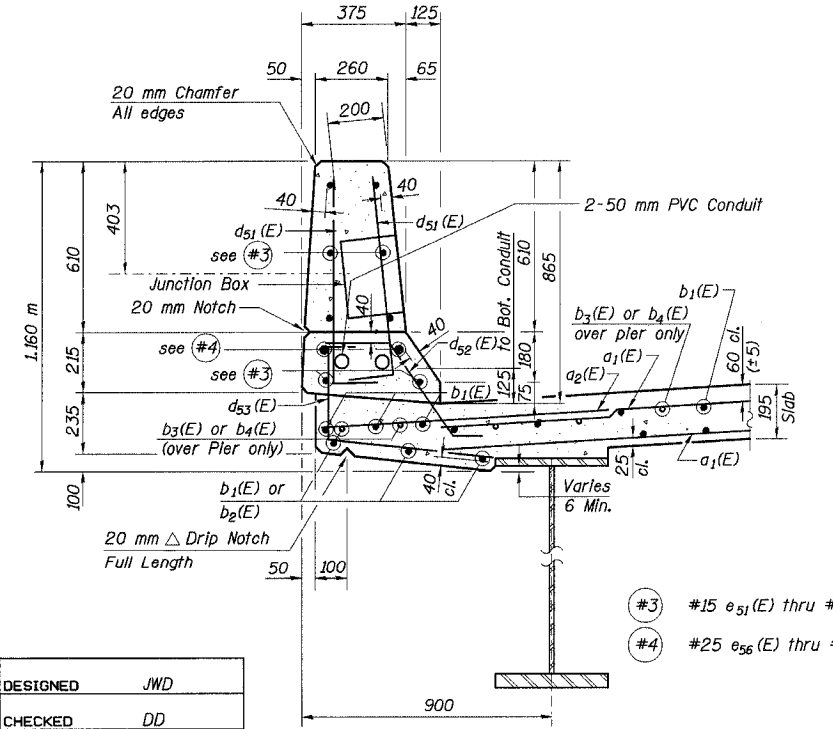
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 24
F. A. I. 80/94	0203.1B	COOK	200	86	91 SHEETS
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT-		CONTRACT NO. 62854		



**CROSS SECTION B-B**  
Looking Up Station  
All dimensions are measured radially

**CROSS SLOPE & SUPERELEVATION TRANSITION**

\*See Electrical Drawings for location and type,  
Paid under Electrical Contract but installed by Bridge Contractor.  
Installation included for payment under Concrete Superstructure.  
Bridge Contractor to coordinate with Electrical Contractor.  
\*\*Elements paid and installed under Electrical Contract.



DESIGNED	JWD
CHECKED	DD
DRAWN	JM/LK
CHECKED	DD

**SECTION THRU SOUTH PARAPET TYPE 1**

**SECTION THRU NORTH PARAPET TYPE 2**

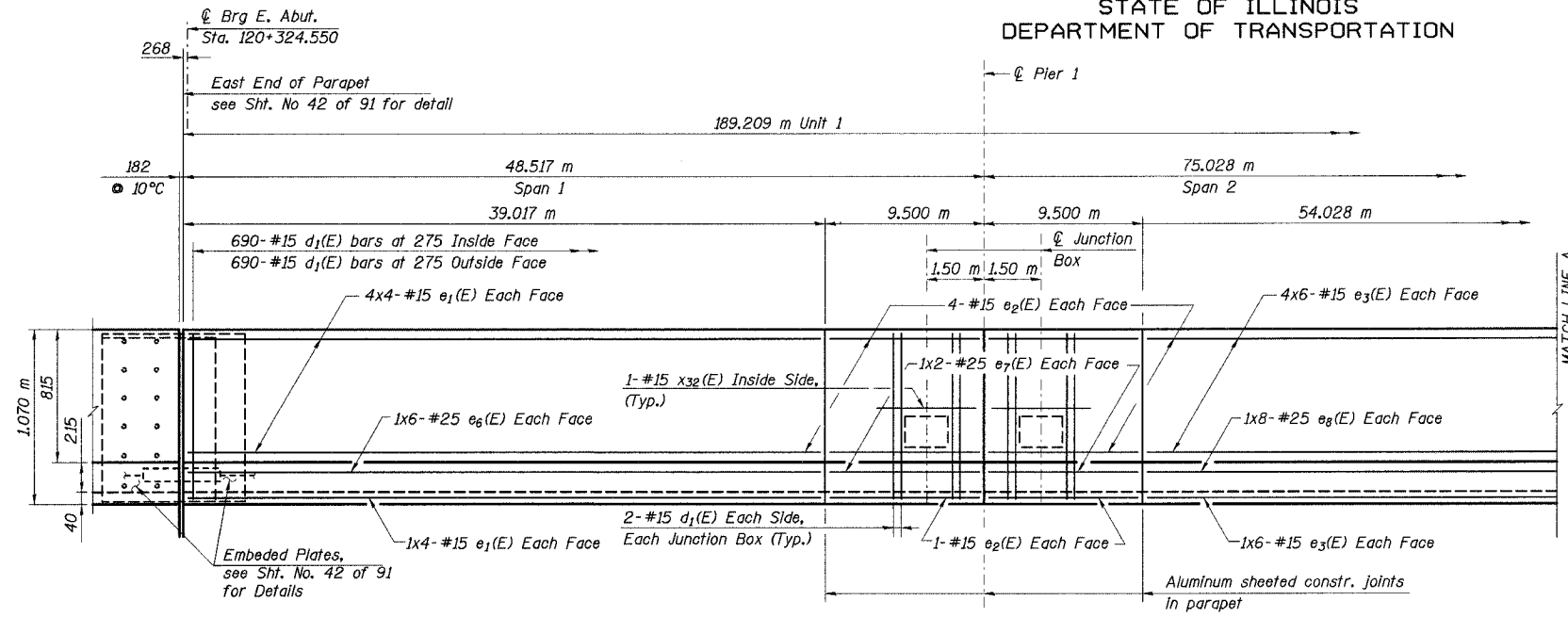
- Notes:
1. Work this Sheet with sheet Nos. 21-23 and 25-26.
  2. See Sht. No. 41 of 91 for drainage scupper.
  3. All dimension are in millimeters (mm) except as noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
**DECK CROSS SECTION AND DETAILS  
SPANS 1-3**  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---  
**HNTB**

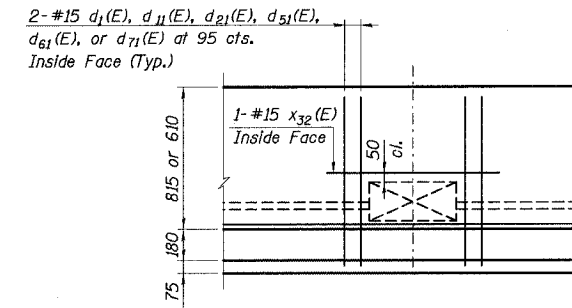
jk-11111  
 j:\34562\CADD\B\CTR\_2B\_2804\cadd\1501014\_2804.dgn  
 07-APR-2005 14:10

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 25
F. A. I. 80/94	0203.1B	COOK	200	87	91 SHEETS
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-	CONTRACT NO. 62854		

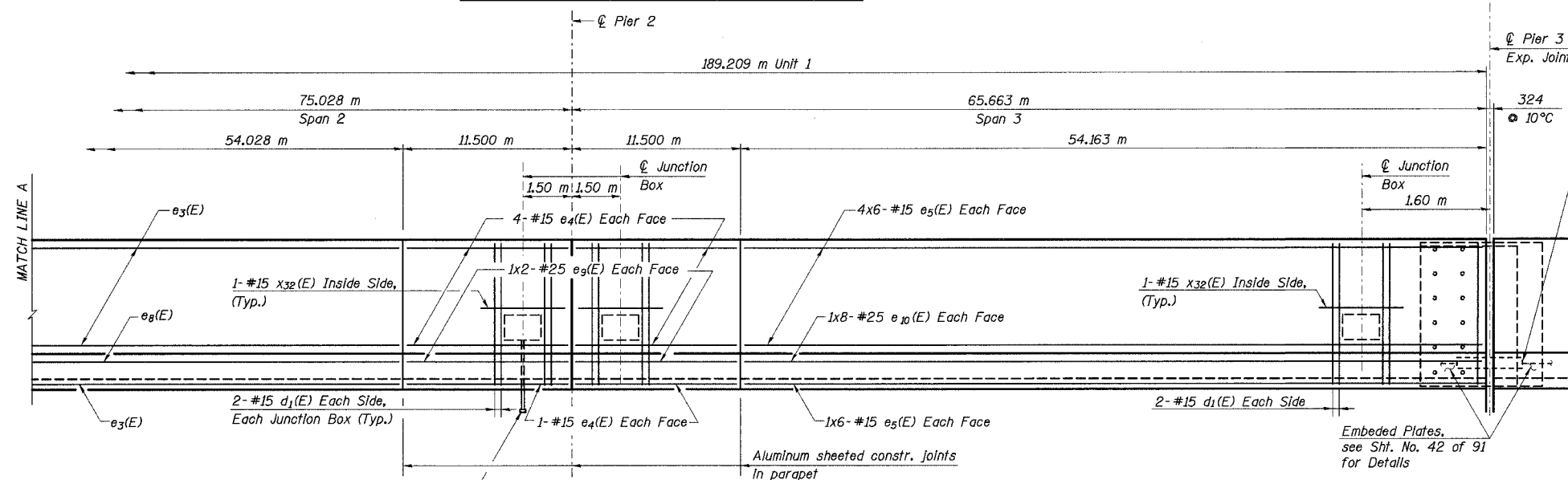


OUTSIDE ELEVATION OF NORTH PARAPET



DETAIL AT JUNCTION BOX  
(32 Required)

Notes: See Electrical Drawings for Details of the embeded conduit and junction boxes. Cut vertical d bars as required to clear Junction Box. Cut 1 horizontal e bar as required. Work this detail with Sheets 25, 26, 31, 32, 37, & 38 of 91 Sheets.



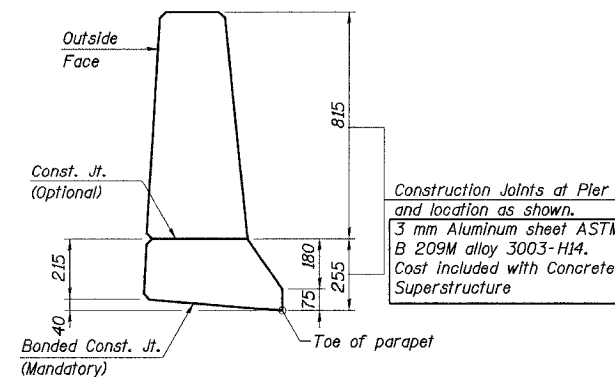
OUTSIDE ELEVATION OF NORTH PARAPET

See Note "A" on Sheet 38 of 91 (Typ. at Exp. Joints)

- Notes:
1. Work this sheet with Sheet Nos. 21-24 and 26 of 91 Sheets.
  2. Min. bar laps:  
#15 bars - 510 mm.  
#20 bars - 640 mm  
#25 bars - 1060 mm
  3. For details of junction boxes and method of payment of junction boxes and conduit, see Electrical Drawings.
  4. All horizontal dimension shown taken at toe of parapet.
  5. Reinforcement bars designated (E) shall be epoxy coated.
  6. Bars indicated thus 4x6-#15 etc. indicates 4 lines of bars with 6 lengths per line.
  7. All dimensions are in millimeters (mm) except as noted.

PVC Conduit with Cap.  
See Sht. No. 24 of 91  
and Electrical Drawings  
for additional information

Embedded Plates,  
see Sht. No. 42 of 91  
for Details



PARAPET TYPE 2 - JOINT DETAILS

DESIGNED	JWD
CHECKED	DD
DRAWN	JM/LK
CHECKED	DD

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
NORTH PARAPET ELEVATION  
SPANS 1-3  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

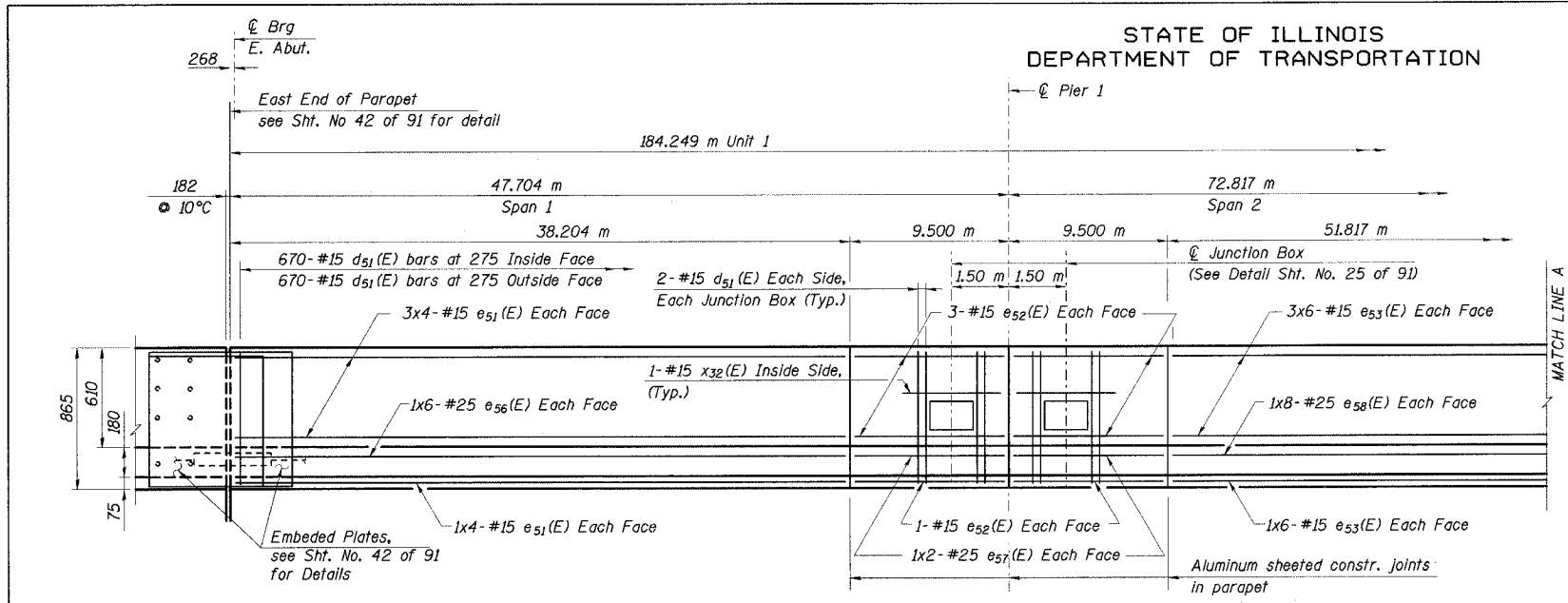
**HNTB**

j:\34562\CADD\B\ACTR\_28\_2804\cadd\aut150134\_2804.dgn  
07-APR-2005 14:11

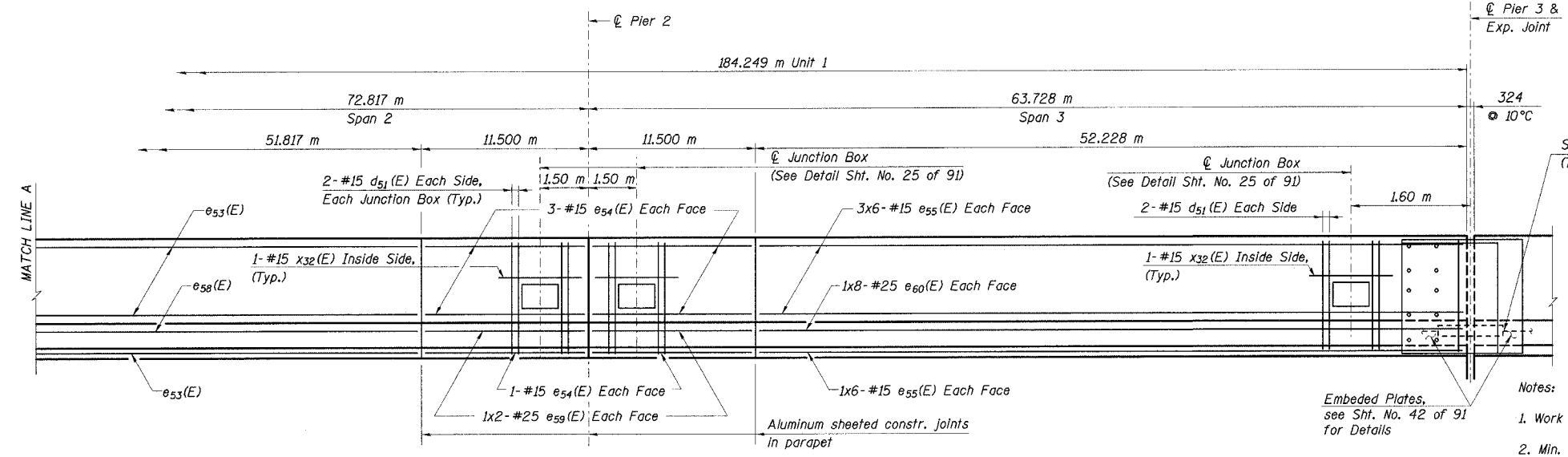


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 26 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	88	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-			
CONTRACT NO. 62854					



INSIDE ELEVATION OF SOUTH PARAPET

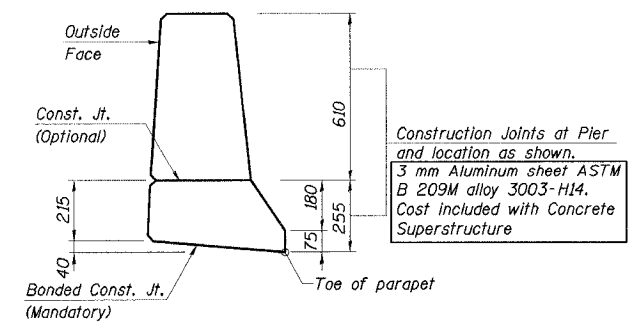


INSIDE ELEVATION OF SOUTH PARAPET

See Note "A" on Sheet 38 of 91 (Typ. at Exp. Joints)

Embed Plates, see Sht. No. 42 of 91 for Details

- Notes:
1. Work this sheet with Sheet Nos. 21-25 of 91 Sheets.
  2. Min. bar laps:  
#15 bars - 510 mm.  
#20 bars - 640 mm  
#25 bars - 1060 mm
  3. For details of junction boxes and method of payment of junction boxes and conduit, see Electrical Drawings.
  4. All horizontal dimension shown taken at toe of parapet.
  5. Reinforcement bars designated (E) shall be epoxy coated.
  6. Bars indicated thus 4x6-#15 etc. indicates 4 lines of bars with 6 lengths per line.
  7. All dimension are in millimeters (mm) except as noted.



PARAPET TYPE 1 - JOINT DETAILS

J:\purchasing\EA\3452\CD\01\1\CTR\_28\_2884\cds\au150164a\_28014.dgn  
 28-MAR-2005 12:34

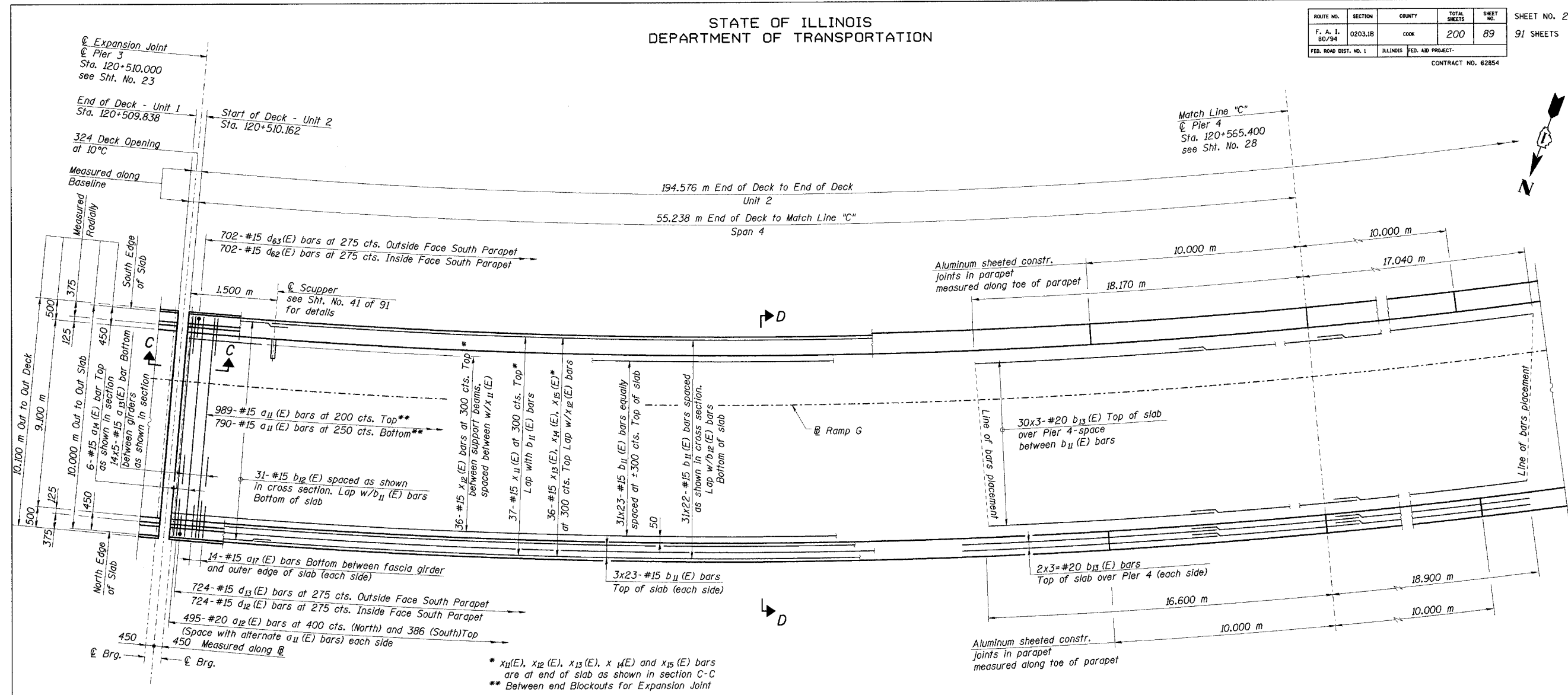
DESIGNED	JWD
CHECKED	DD
DRAWN	JM/LK
CHECKED	DD

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
SOUTH PARAPET ELEVATION  
SPANS 1-3  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

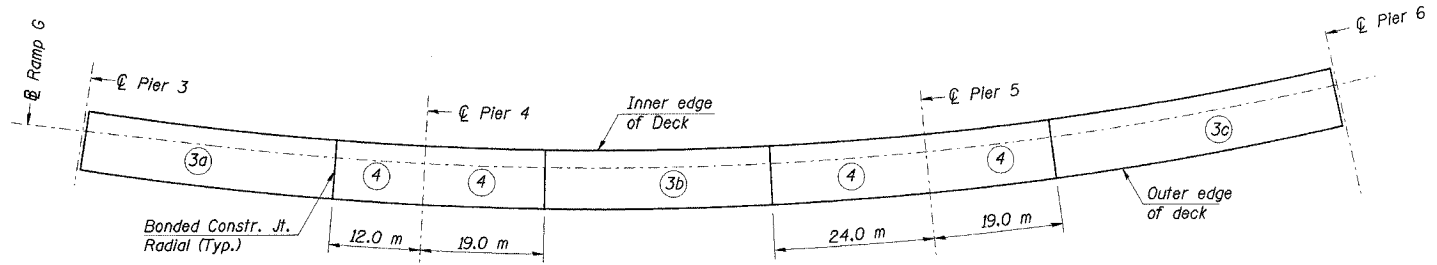
**HNTB**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 27 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	89	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-			
CONTRACT NO. 62854					



DECK PLAN - SPAN 4



DECK POURING SEQUENCE

The concrete must be placed in manner such that the concrete poured at the beginning of a day's pour does not cure until all the concrete for that day is in place.

DESIGNED	JWD
CHECKED	DD
DRAWN	LK
CHECKED	DD

- Notes:
- Span dimensions given along baseline.
  - For deck cross section D-D, see Sht. No. 30.
  - For parapet reinforcement, see Sheets Nos. 30-32.
  - For localized scupper reinforcement and Bill of Material, see Sht. No. 39.
  - Typical lap splice lengths for reinforcement are based on a class C lap with 0.8 reduction for min. spacing:  
#15 bars - 510  
#20 bars - 640
  - Transverse reinforcement spacing is at outer edge. The transverse bars shall be placed radially and spacing along inner edge due to deck curvature is approximately:  
Outer spa. Inner spa.  
200 ~193  
250 ~242
  - All bars designated (E) are epoxy coated.
  - For Expansion Joint cross section C-C, see Sht. No. 23.
  - Bars indicated thus "12x5-#15 etc." indicates 12 lines of bars with 5 lengths per line.
  - Place d(E) series parapet bars to avoid Aluminum Sheeted Joint Locations in parapets.
  - All dimensions are in millimeters (mm) except as noted.

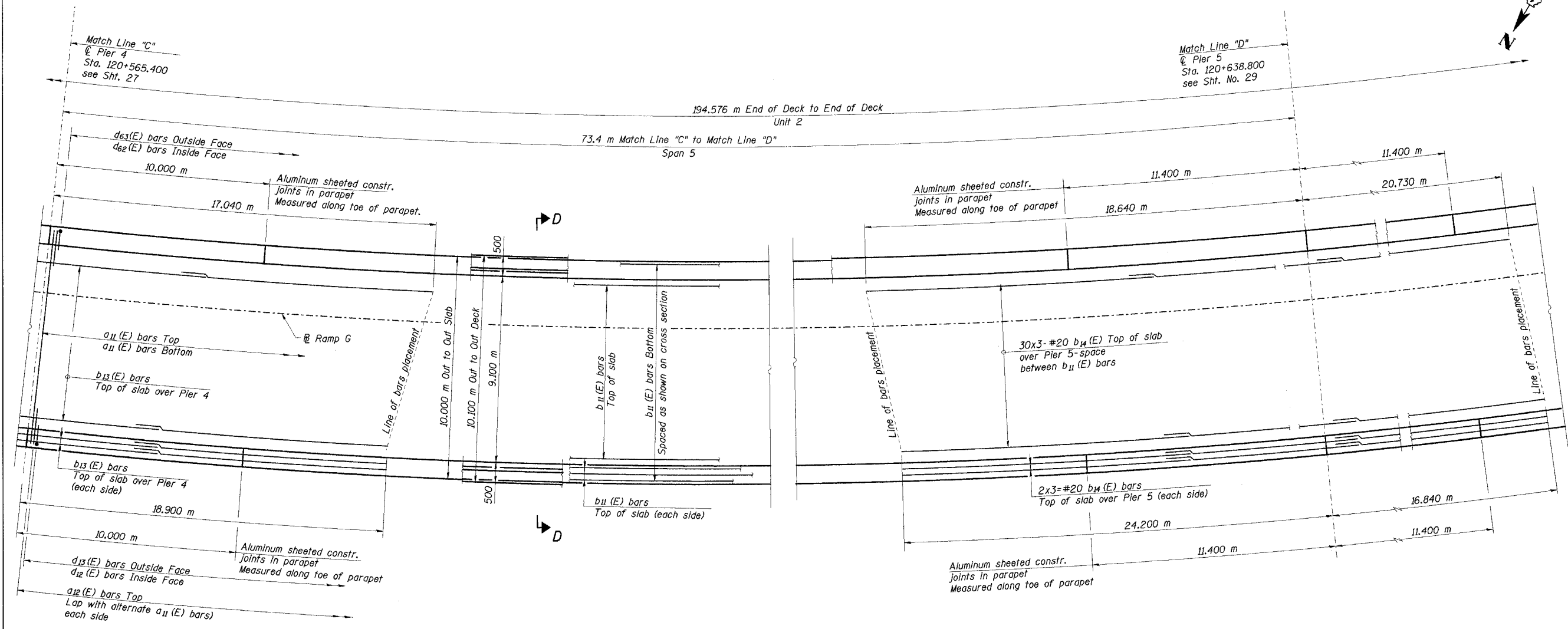
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
DECK PLAN  
SPAN 4  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

**HNTB**

J:\Beauchamp  
E:\34562\CADD\B1\CTR\_28\_2804\cbs\au150044\_e\_2804.dgn  
28-MAR-2005 12:35

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 28 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	90	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-			
CONTRACT NO. 62854					



DECK PLAN - SPAN 5

Notes:

- Span dimensions given along baseline.
- For deck cross section D-D, see Sht. No. 30.
- For parapet reinforcement, see Sheets Nos. 30-32.
- For localized scupper reinforcement and Bill of Material, see Sht. No. 39.
- Typical lap splice lengths for reinforcement are based on a class C lap with 0.8 reduction for min. spacing:  
#15 bars - 510  
#20 bars - 640
- Transverse reinforcement spacing is at outer edge. The transverse bars shall be placed radially and spacing along inner edge due to deck curvature is approximately:  
Outer spa. Inner spa.  
200 ~ 193  
250 ~ 242
- All bars designated (E) are epoxy coated.
- Bars indicated "12x5-#15 etc." indicates 12 lines of bars with 5 lengths per line.
- Place d (E) series parapet bars to avoid Aluminum Sheeted Joint Locations in parapets.
- All dimensions are in millimeters (mm) except as noted.

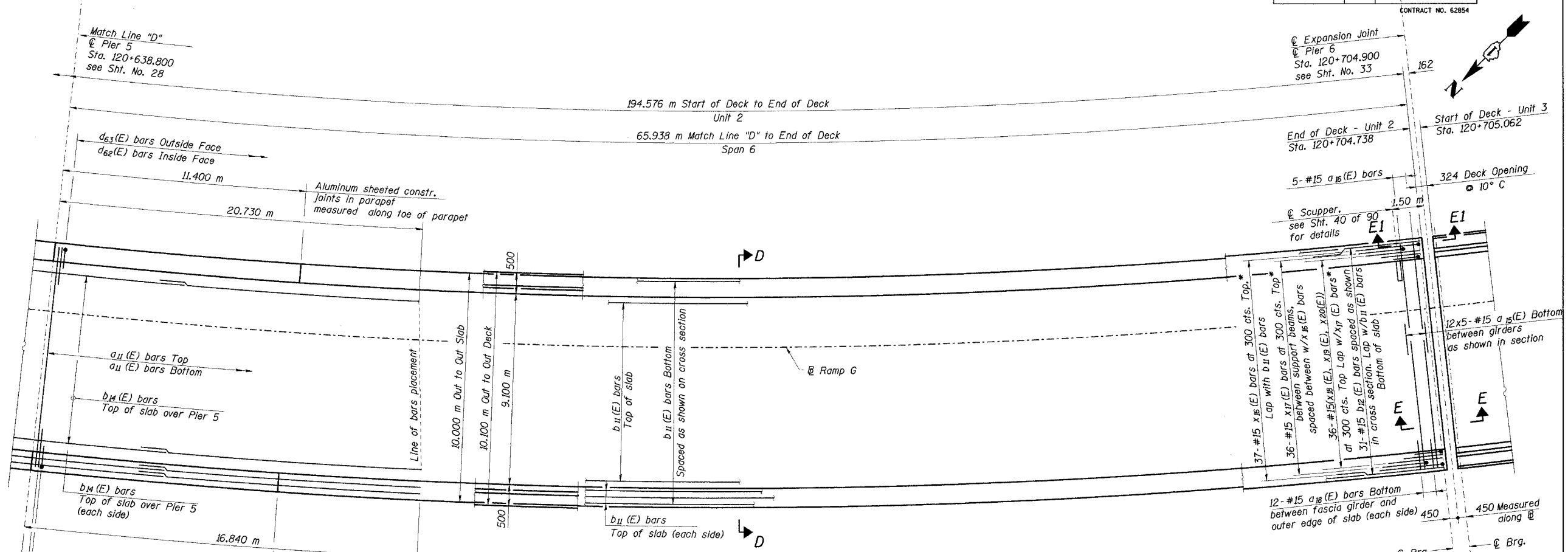
JBeauchamp  
E:\34562\CADD\N1\CTR\_28\_2804\cda\ul50054e\_2804.dgn  
28-MAR-2005 12:35

DESIGNED	JWD
CHECKED	DD
DRAWN	LK
CHECKED	DD

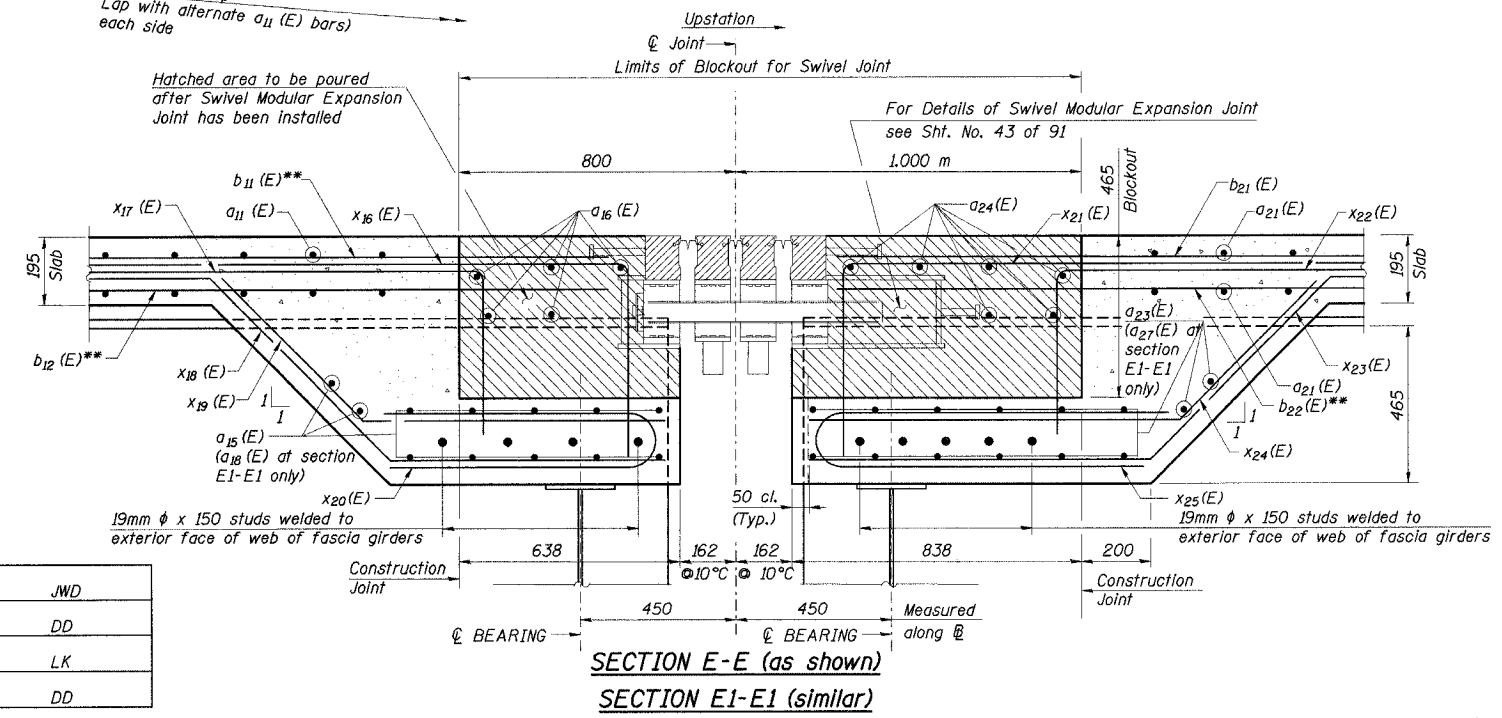
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
DECK PLAN  
SPAN 5  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---  
**HNTB**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 29 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	91	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-			
CONTRACT NO. 62854					



\*  $x_{16}(E)$ ,  $x_{17}(E)$ ,  $x_{18}(E)$ ,  $x_{19}(E)$  and  $x_{20}(E)$  bars are at end of slab as shown in section C-C.



- Notes:
- Span dimensions given along baseline.
  - For deck cross section D-D, see Sht. No. 30.
  - For parapet reinforcement, see Sheets No's 30-32.
  - For localized scupper reinforcement and Bill of Material, see Sht. No. 39.
  - Typical lap splice lengths for reinforcement are based on a class C lap with 0.8 reduction for min. spacing:  
#15 bars - 510  
#20 bars - 640
  - Transverse reinforcement spacing is at outer edge. The transverse bars shall be placed radially and spacing along inner edge due to deck curvature is approximately:  
Outer spa. Inner spa.  
200 ~ 193  
250 ~ 242
  - All bars designated (E) are epoxy coated.
  - Bars indicated thus "12x5-#15 etc." indicates 12 lines of bars with 5 lengths per line.
  - Place d (E) series parapet bars to avoid Aluminum Sheeted Joint Locations in parapets.
  - All dimensions are in millimeters (mm) except as noted.

DESIGNED	JWD
CHECKED	DD
DRAWN	LK
CHECKED	DD

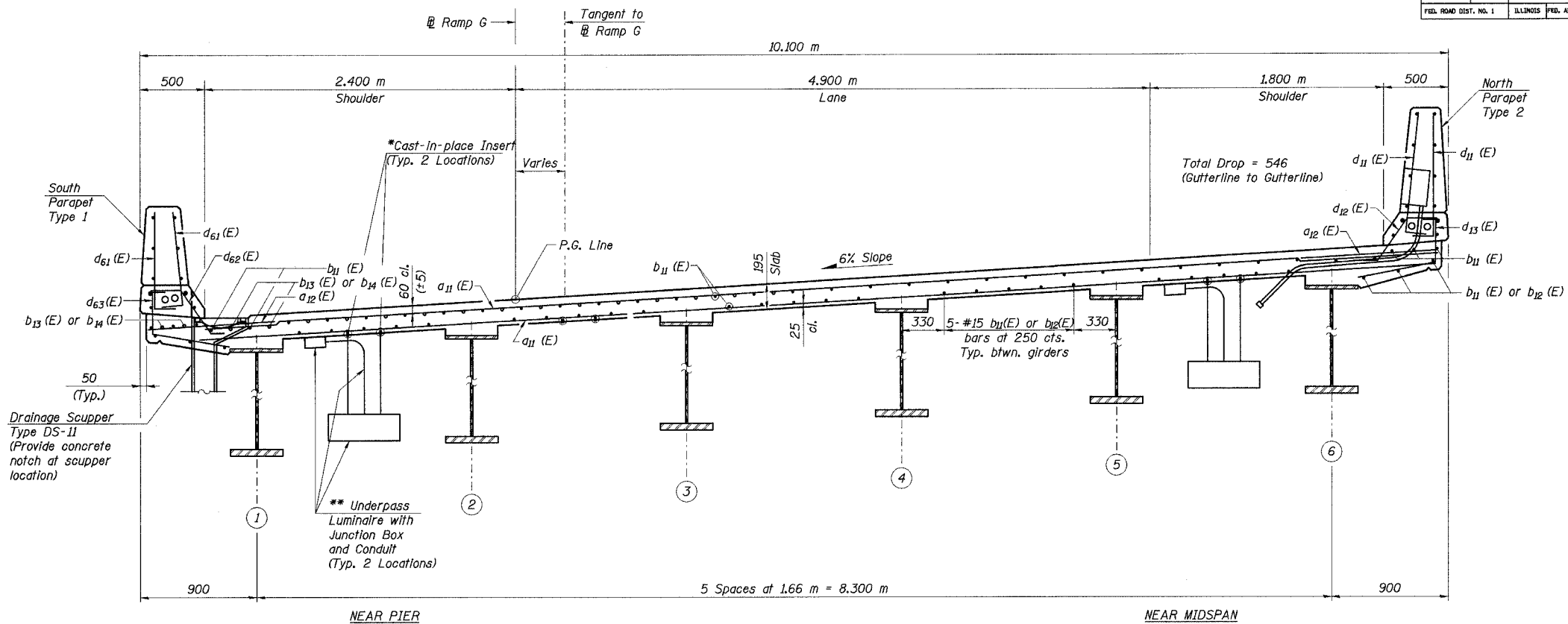
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
DECK PLAN  
SPAN 6  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

**HNTB**

J:\Beauchamp  
E:\34562\CADD\1\CTR\_28\_2804\cads\aut\50064a\_2804.dgn  
28-MAR-2005 12:35

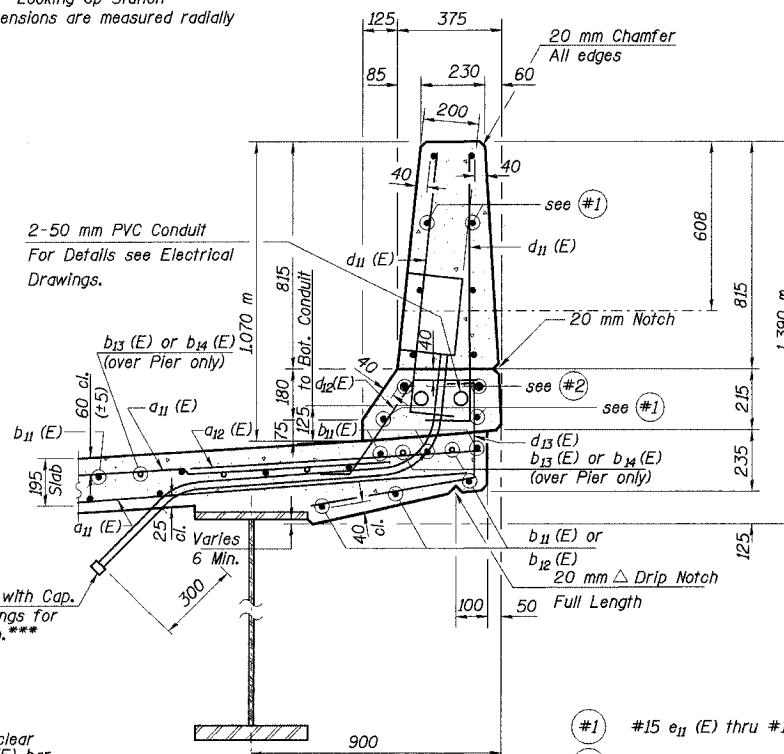
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 30 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	92	
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT-				
CONTRACT NO. 62854					

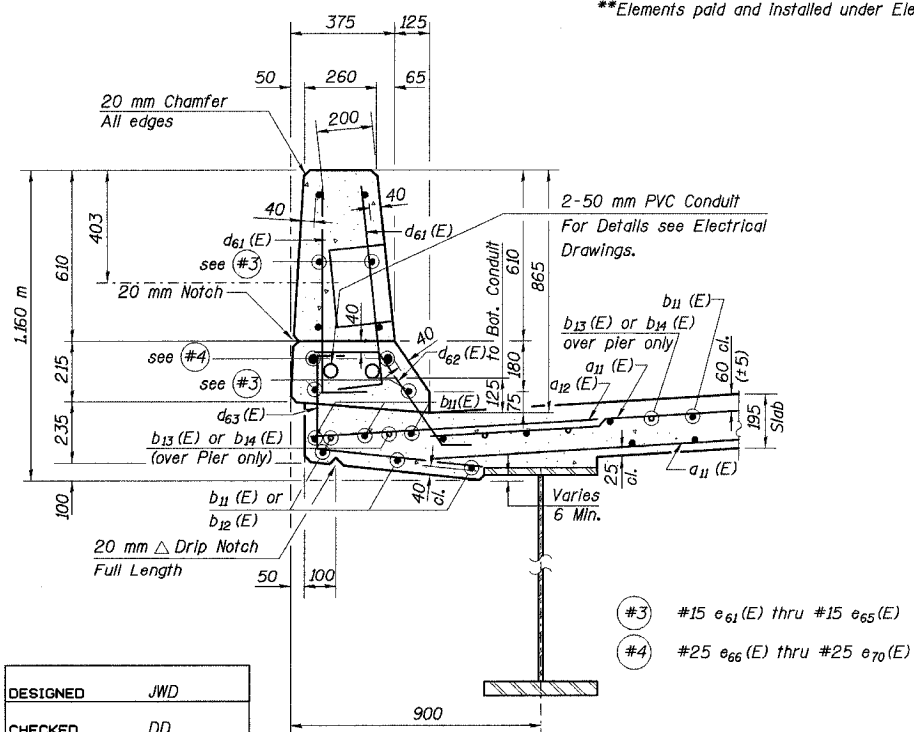


\*See Electrical Drawings for location and type.  
Paid under Electrical Contract but Installed by Bridge Contractor.  
Installation included for payment under Concrete Superstructure.  
Bridge Contractor to coordinate with Electrical Contractor.  
\*\*Elements paid and installed under Electrical Contract.

**CROSS SECTION D-D**  
Looking Up Station  
All dimensions are measured radially



- Notes:
1. Work this Sheet with Sheets Nos. 27-29 and 31-32 of 91.
  2. See Sht. No. 41 of 91 for drainage scupper.
  3. All dimension are in millimeters (mm) except as noted.



SECTION THRU SOUTH PARAPET TYPE 1

SECTION THRU NORTH PARAPET TYPE 2

DESIGNED	JWD
CHECKED	DD
DRAWN	JM/LK
CHECKED	DD

\*\*\*Provide 25 mm min. clear between conduits and  $d_{11}(E)$  bar conduit.

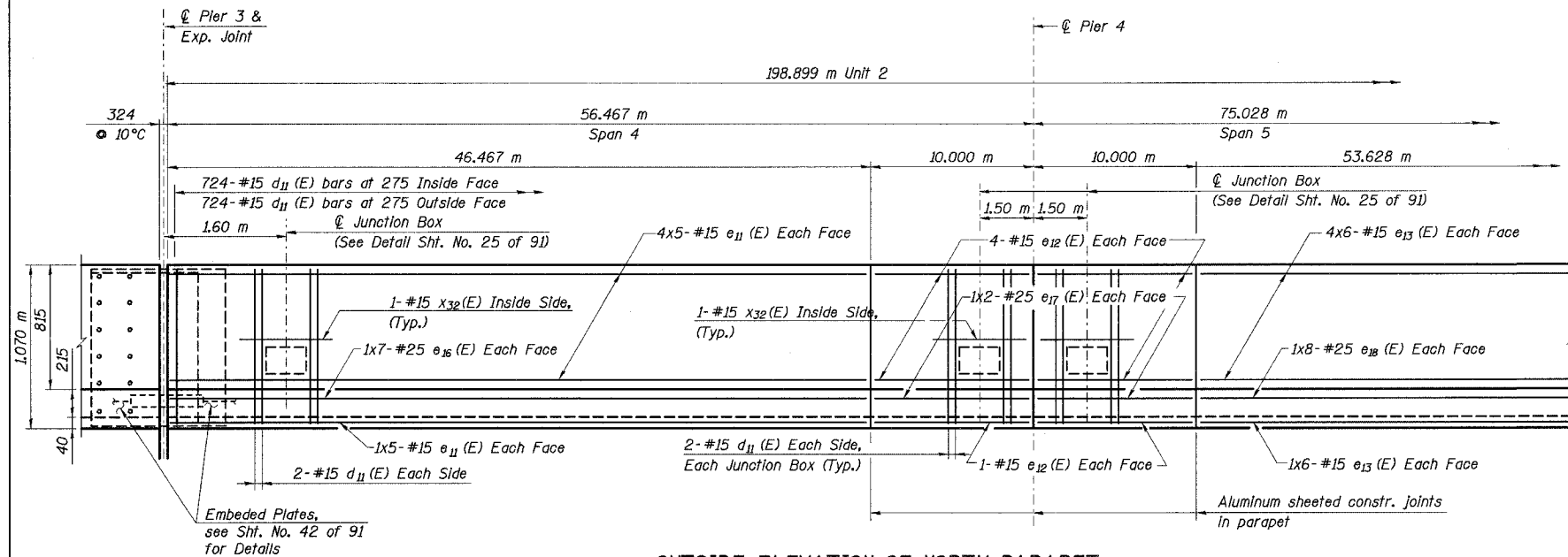
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
DECK CROSS SECTION AND DETAILS  
SPANS 4-6  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

**HNTB**

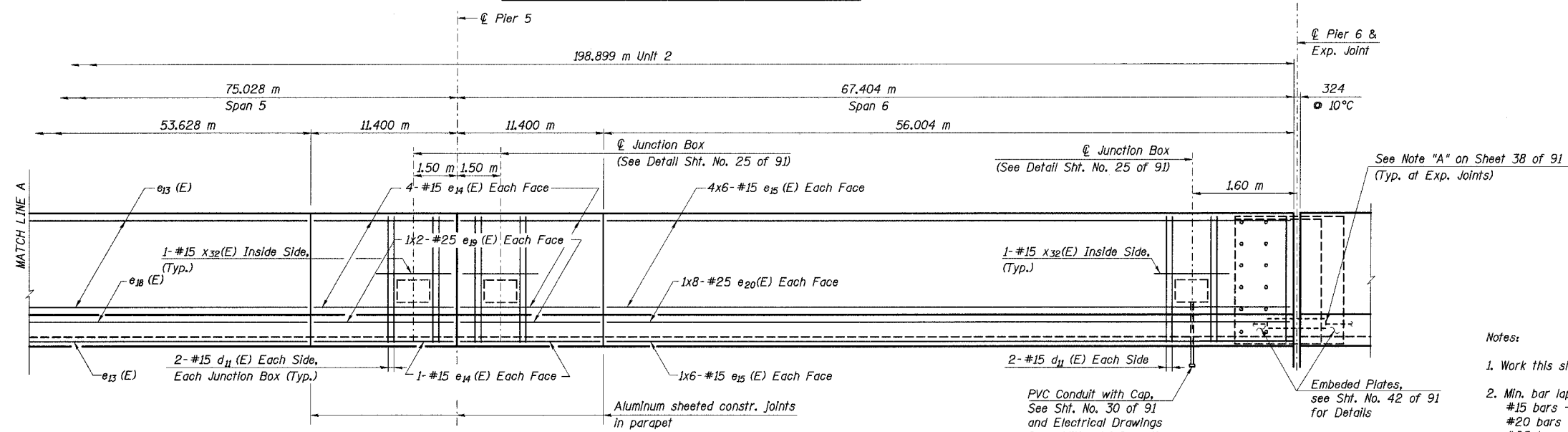
jk\site\j\34562\CADD\B\CTR\_28\_2804\cadd\150114a\_2804.dgn  
 07-APR-2005 14:12

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 31
F. A. I. 80/94	0203.1B	COOK	200	93	91 SHEETS
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-	CONTRACT NO. 62854		



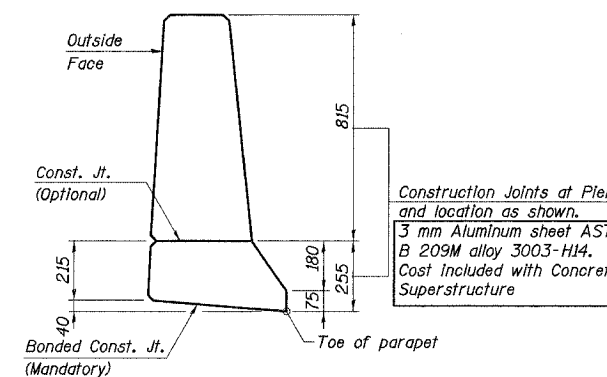
OUTSIDE ELEVATION OF NORTH PARAPET



OUTSIDE ELEVATION OF NORTH PARAPET

Notes:

1. Work this sheet with Sheet Nos. 27-30 and 32 of 91 Sheets.
2. Min. bar laps:  
#15 bars - 510 mm  
#20 bars - 640 mm  
#25 bars - 1060 mm
3. For details of junction boxes and method of payment of junction boxes and conduit, see Electrical Drawings.
4. All horizontal dimension shown taken at toe of parapet.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. Bars indicated thus 4x6-#15 etc. indicates 4 lines of bars with 6 lengths per line.
7. All dimensions are in millimeters (mm) except as noted.



PARAPET TYPE 2 - JOINT DETAILS

DESIGNED	JWD
CHECKED	DD
DRAWN	JM/LK
CHECKED	DD

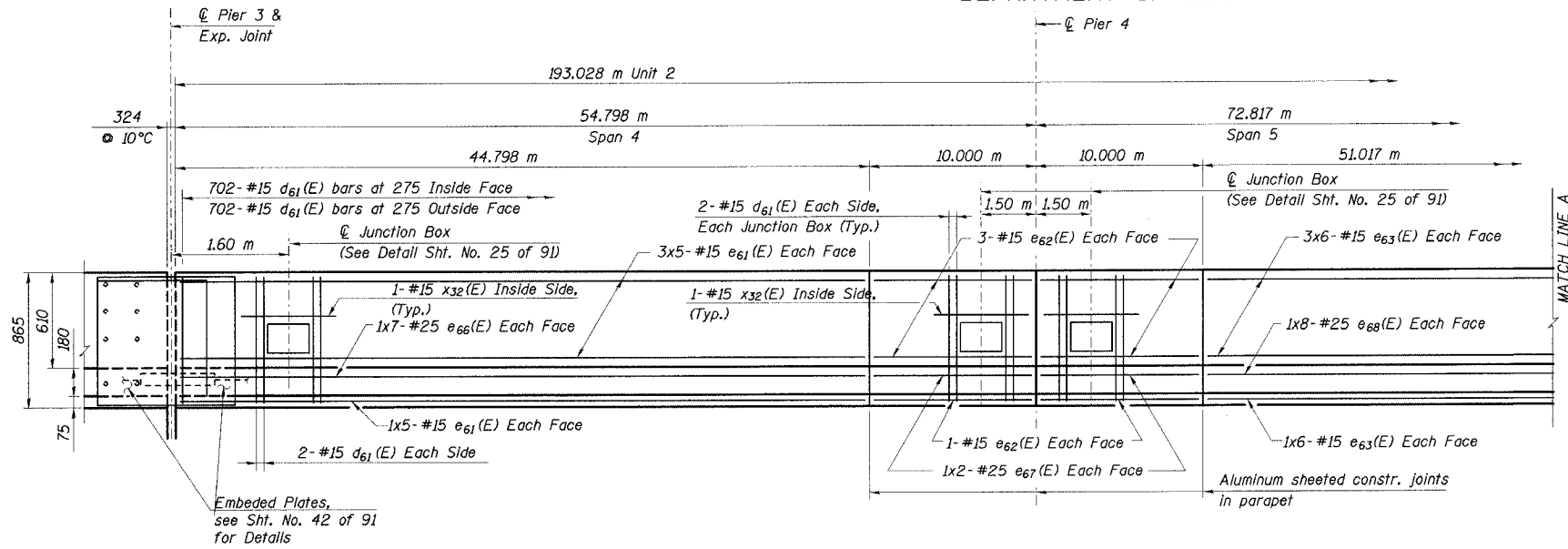
j:\34562\CADD\B1\CTR\_28\_2804\cadd\aut\50144s\_2804.dgn  
07-APR-2005 14:13

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
NORTH PARAPET ELEVATION  
SPANS 4-6  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

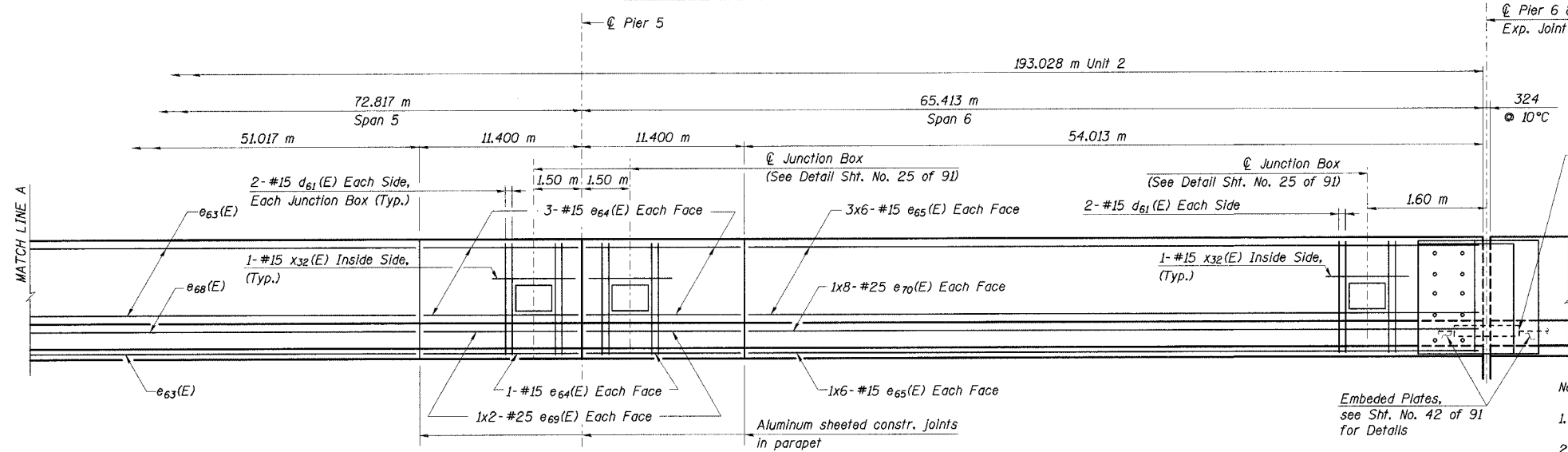
**HNTB**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 32 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	94	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-			
CONTRACT NO. 62854					



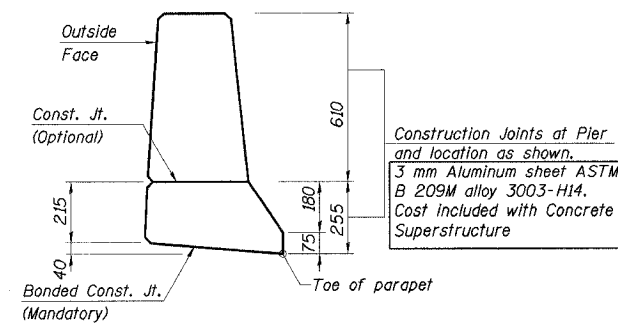
INSIDE ELEVATION OF SOUTH PARAPET



INSIDE ELEVATION OF SOUTH PARAPET

Notes:

1. Work this sheet with Sheet Nos. 27-31 of 91 Sheets.
2. Min. bar laps:  
#15 bars - 510 mm.  
#20 bars - 640 mm  
#25 bars - 1060 mm
3. For details of junction boxes and method of payment of junction boxes and conduit, see Electrical Drawings.
4. All horizontal dimension shown taken at toe of parapet.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. Bars indicated thus 4x6-#15 etc. indicates 4 lines of bars with 6 lengths per line.
7. All dimensions are in millimeters (mm) except as noted.



PARAPET TYPE 1 - JOINT DETAILS

DESIGNED	JWD
CHECKED	DD
DRAWN	JM/LK
CHECKED	DD

JBeauchamp  
E:\34562\CADD\B1\CTR\_28\_2804\cda\150174e\_2804.dgn  
28-MAR-2005 12:34

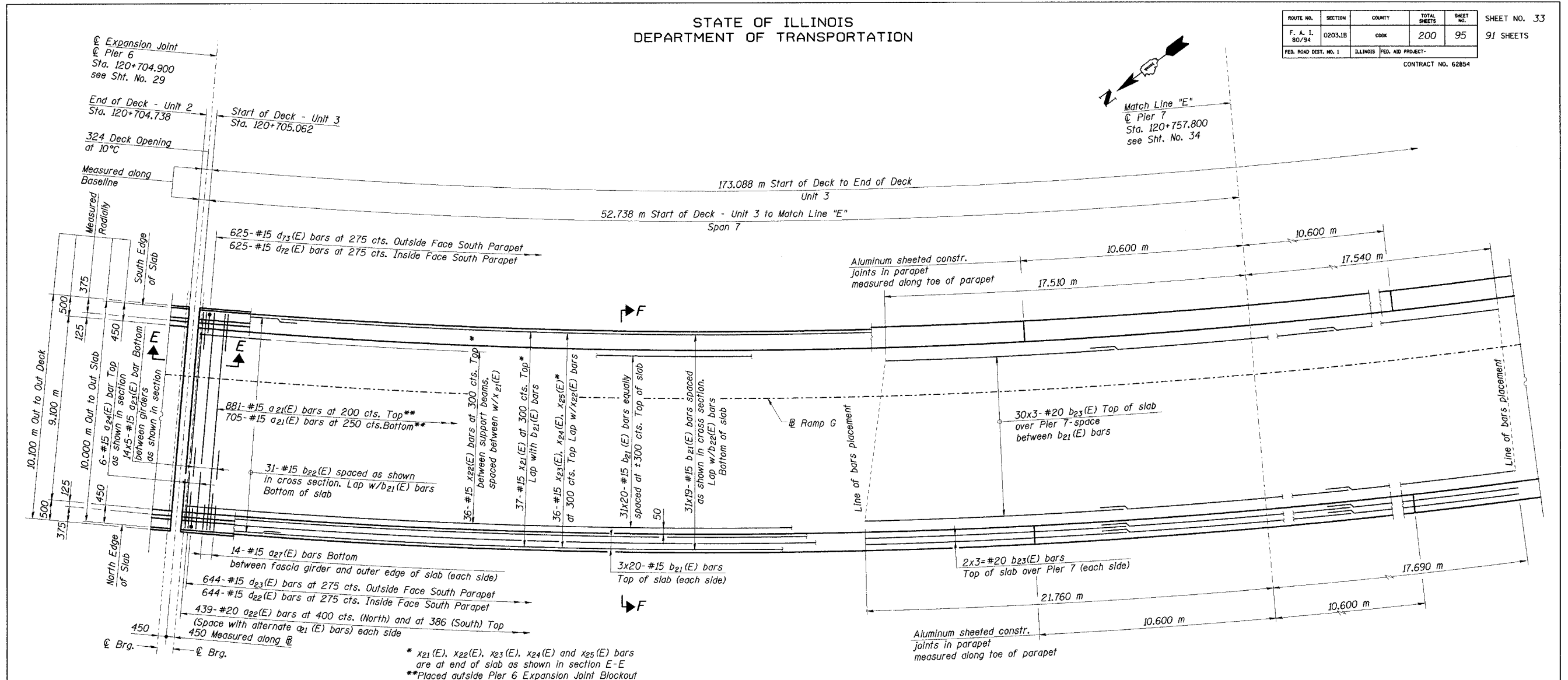
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
SOUTH PARAPET ELEVATION  
SPANS 4-6  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

**HNTB**

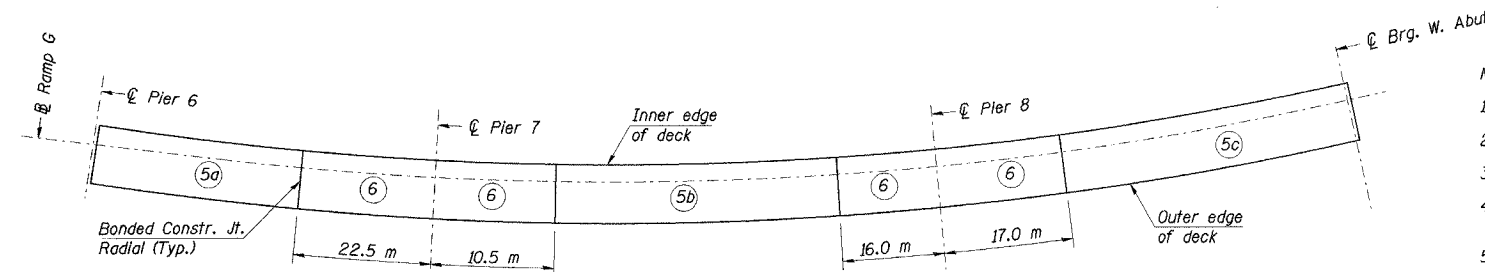


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 33 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	95	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-			
CONTRACT NO. 62854					



DECK PLAN - SPAN 7



DECK POURING SEQUENCE

The concrete must be placed in manner such that the concrete poured at the beginning of a day's pour does not cure until all the concrete for that day is in place.

DESIGNED	JWD
CHECKED	DD
DRAWN	LK
CHECKED	DD

Notes:

- Span dimensions given along baseline.
- For deck cross section F-F, see Sht. No. 36.
- For parapet reinforcement, see Sheets No's 36-38.
- For localized scupper reinforcement and Bill of Material, see Sht. No. 39.
- Typical lap splice lengths for reinforcement are based on a class C lap with 0.8 reduction for min. spacing:  
#15 bars - 510  
#20 bars - 640
- Transverse reinforcement spacing is at outer edge. The transverse bars shall be placed radially and spacing along inner edge due to deck curvature is approximately:  
Outer spa. ~ 193  
200 ~ 193  
250 ~ 242
- All bars designated (E) are epoxy coated.
- For Expansion Joint cross section E-E, see Sht. No. 29.
- Bars indicated thus "12x5-#15 etc." indicates 12 lines of bars with 5 lengths per line.
- Place d (E) series parapet bars to avoid Aluminum Sheeted Joint Locations in parapet.
- All dimensions are in millimeters (mm) except as noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
DECK PLAN  
SPAN 7  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

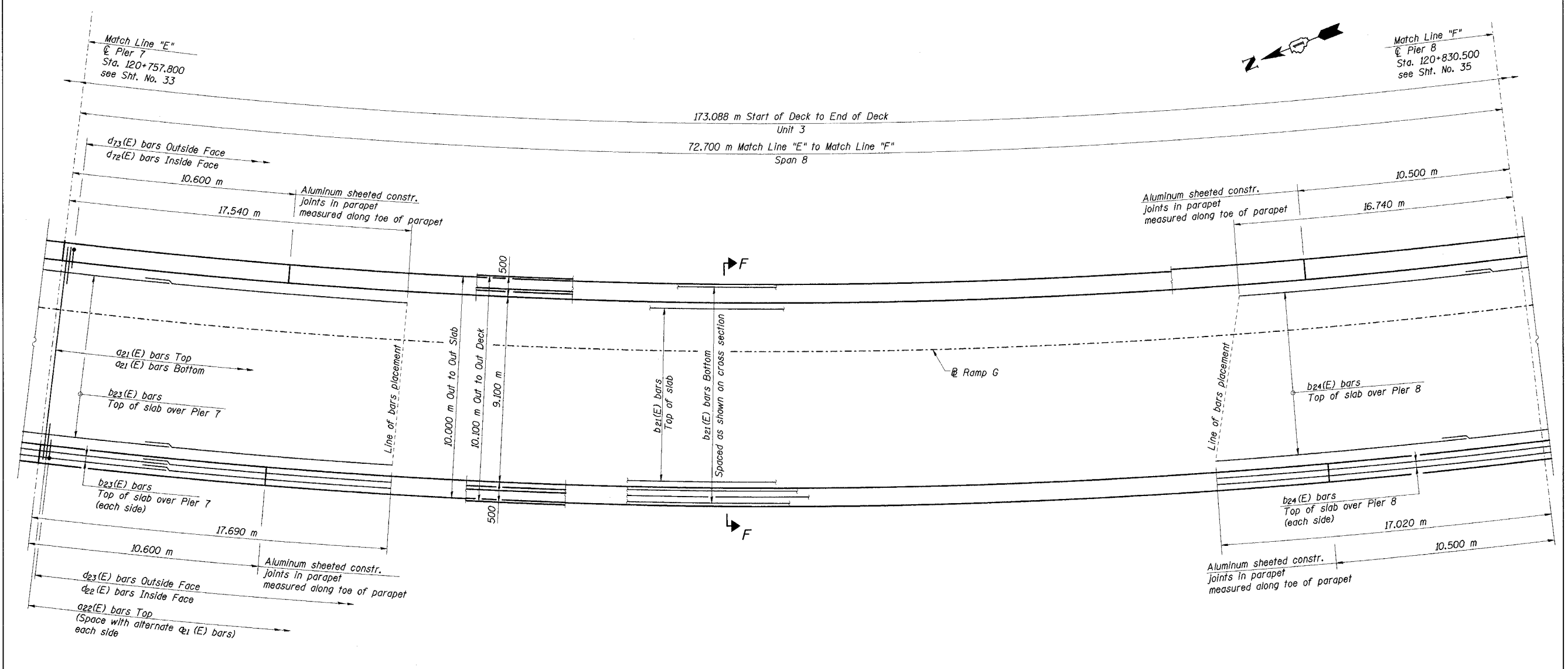
**HNTB**

J:\Beauchamp  
E:\34562\CADD\N1\CTR\_28-2804\cda\150074e-2804.dgn  
28-MAR-2005 12:35

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 34 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	96	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-			

CONTRACT NO. 62854



DECK PLAN - SPAN 8

Notes:

- Span dimensions given along baseline.
- For deck cross section F-F, see Sht. No. 36.
- For parapet reinforcement, see Sheets No's 36-38.
- For localized scupper reinforcement and Bill of Material, see Sht. No. 39.
- Typical lap splice lengths for reinforcement are based on a class C lap with 0.8 reduction for min. spacing:  
#15 bars - 510  
#20 bars - 640
- Transverse reinforcement spacing is at outer edge. The transverse bars shall be placed radially and spacing along inner edge due to deck curvature is approximately:  
Outer spa. Inner spa.  
200 ~ 193  
250 ~ 242
- All bars designated (E) are epoxy coated.
- Bars indicated thus "12x5-#15 etc." indicates 12 lines of bars with 5 lengths per line.
- Place d (E) series parapet bars to avoid Aluminum Sheeted Joint Locations in parapet.
- All dimensions are in millimeters (mm) except as noted.

DESIGNED	JWD
CHECKED	DD
DRAWN	LK
CHECKED	DD

JBeauchamp  
E:\34562\CADD\B1\CTR\_28\_2804\cda\ul50034a\_2804.dgn  
28-MAR-2005 12:34

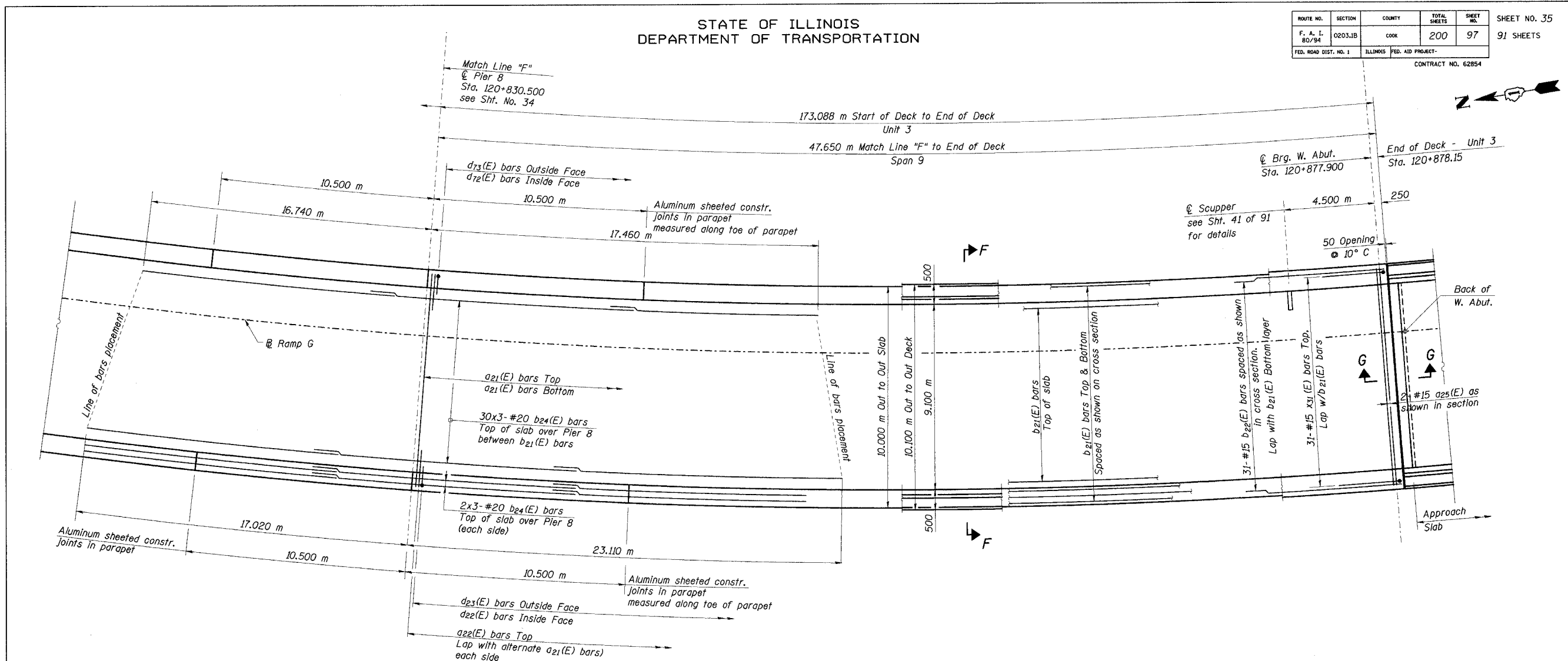
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
DECK PLAN  
SPAN 8  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

**HNTB**

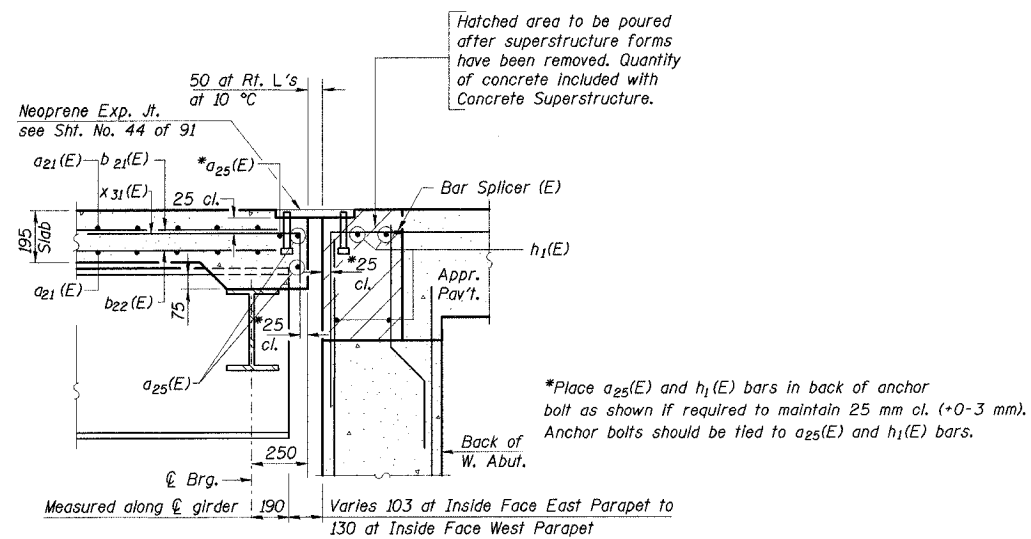
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
F. A. I. 80/94	0203.1B	COOK	200	97	91 SHEETS
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-			

CONTRACT NO. 62854



DECK PLAN - SPAN 9



SECTION G-G  
(Section Thru W. Abut.)

Notes:

- Span dimensions given along baseline.
- For deck cross section F-F, see Sht. No. 36.
- For parapet reinforcement, see Sheets No's 36-38.
- For localized scupper reinforcement and Bill of Material, see Sht. No. 39.
- Typical lap splice lengths for reinforcement are based on a class C lap with 0.8 reduction for min. spacing:  
#15 bars - 510  
#20 bars - 640
- Transverse reinforcement spacing is at outer edge. The transverse bars shall be placed radially and spacing along inner edge due to deck curvature is approximately:  
Outer spa. Inner spa.  
200 ~ 193  
250 ~ 242
- All bars designated (E) are epoxy coated.
- For W. Abutment reinforcement in blockout, see Sheets No's 72 & 73.
- For Neoprene Expansion Joint Detail, see Sht. No. 44.
- Bars indicated thus "12x5-#15 etc." indicates 12 lines of bars with 5 lengths per line.
- Place d (E) series parapet bars to avoid aluminum sheeted joint location in parapet.
- All dimensions are in millimeters (mm) except as noted.

DESIGNED	JWD
CHECKED	DD
DRAWN	LK
CHECKED	DD

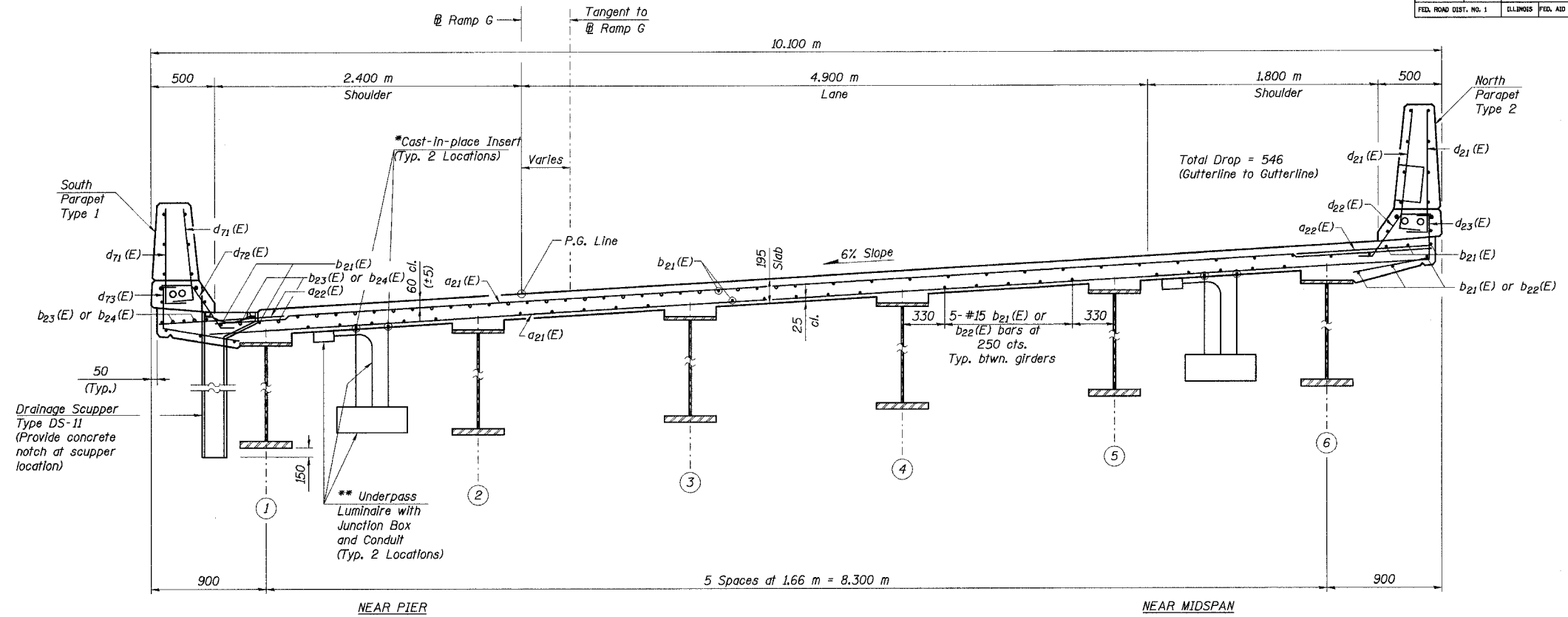
JBeauchamp  
E:\34562\CADD\B1\CTR-28-2804\cadd\au1500914e-2804.dgn  
28-MAR-2005 12:34

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
DECK PLAN  
SPAN 9  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

HNTB

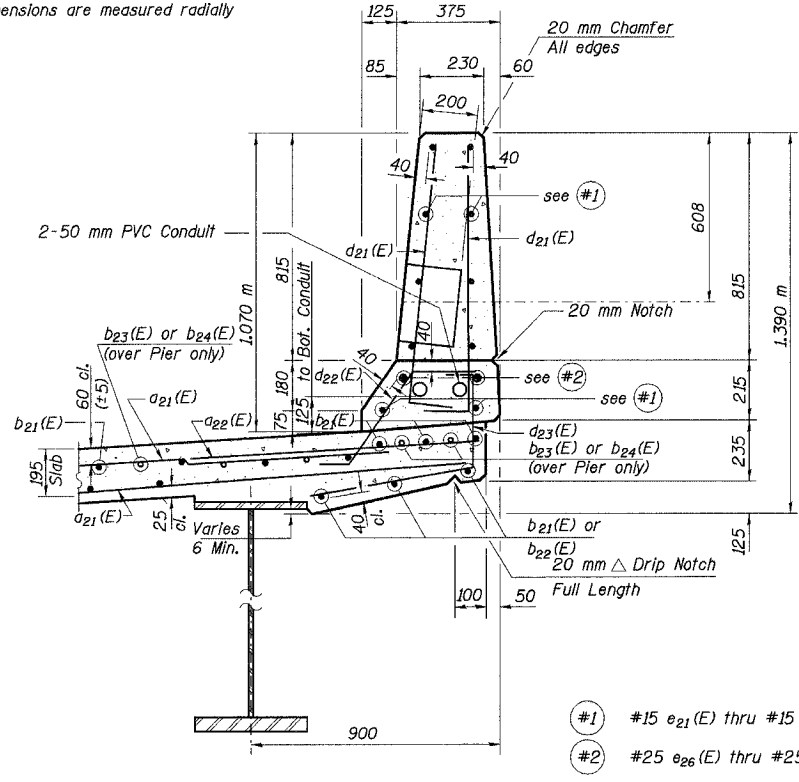
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 36 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	98	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT - CONTRACT NO. 62854					

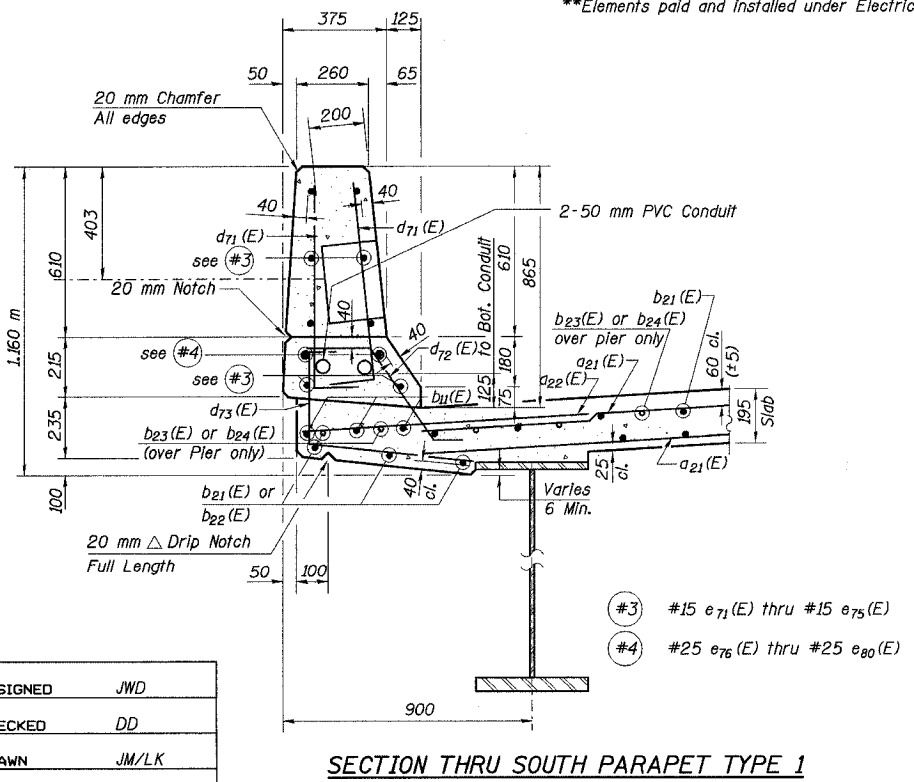


\*See Electrical Drawings for location and type, Paid under Electrical Contract but installed by Bridge Contractor. Installation Included for payment under Concrete Superstructure, Bridge Contractor to coordinate with Electrical Contractor.  
\*\*Elements paid and installed under Electrical Contract.

**CROSS SECTION F-F**  
Looking Up Station  
All dimensions are measured radially



- Notes:
1. Work this Sheet with sheet Nos. 33-35 and 37-38.
  2. See Sht. No. 41 of 91 for drainage scupper.
  3. All dimensions are in millimeters (mm) except as noted.



DESIGNED	JWD
CHECKED	DD
DRAWN	JM/LK
CHECKED	DD

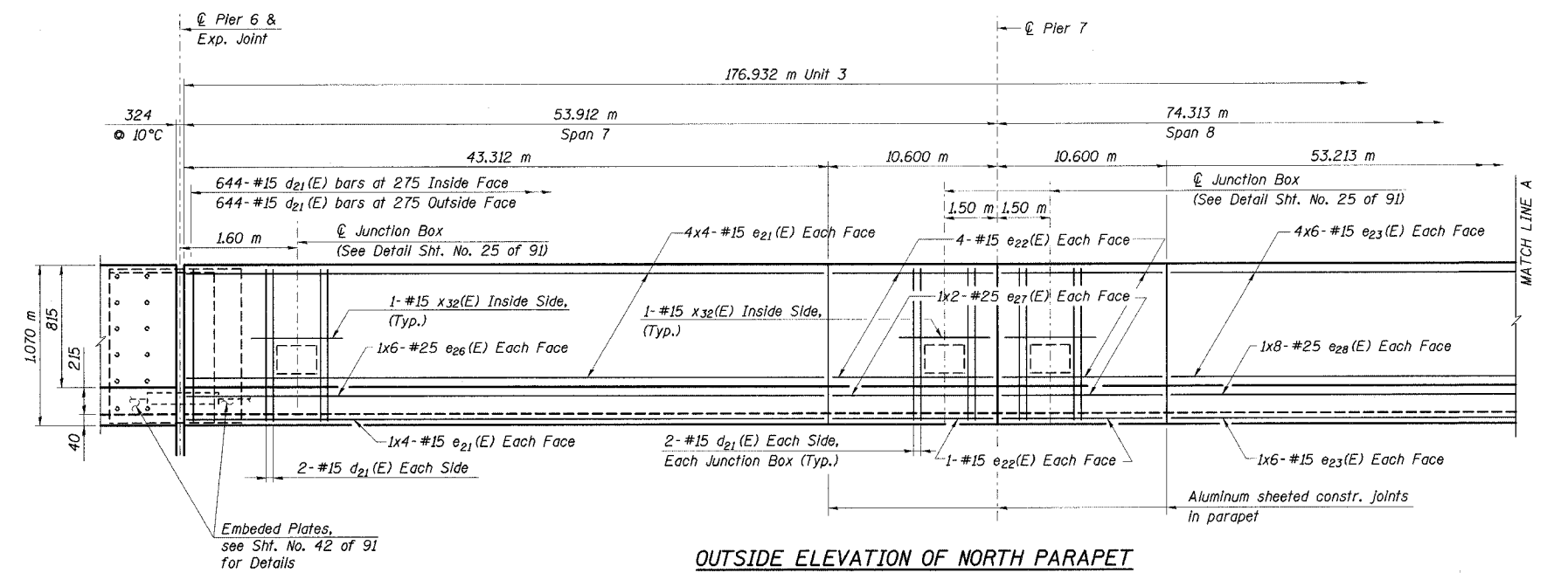
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
DECK CROSS SECTION AND DETAILS  
SPANS 7-9  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---



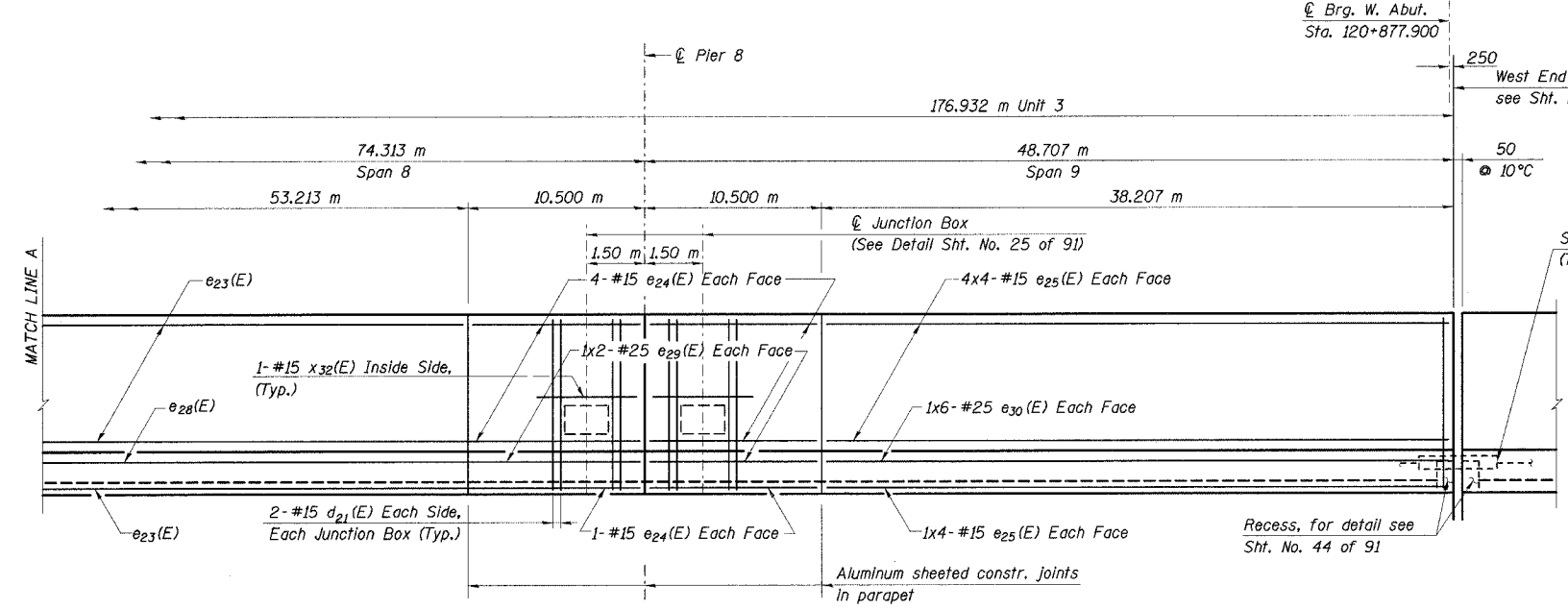
J:\34562\CADD\B1\CTR\_28\_2804\Cds\150124e\_2804.dgn  
07-APR-2005 1:41:4

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

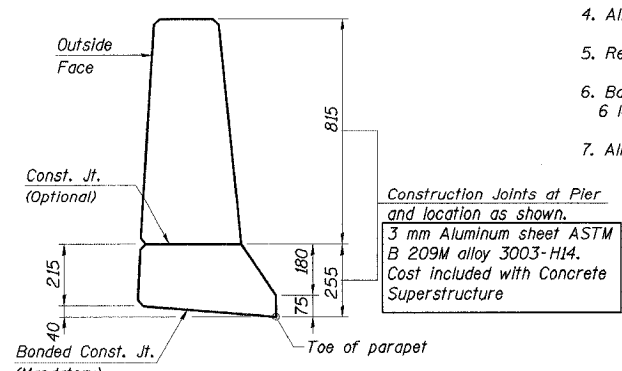
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 37 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	99	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-	CONTRACT NO. 62854		



OUTSIDE ELEVATION OF NORTH PARAPET



OUTSIDE ELEVATION OF NORTH PARAPET



PARAPET TYPE 2 - JOINT DETAILS

- Notes:
1. Work this sheet with Sheet Nos. 33-36 and 38 of 91 Sheets.
  2. Min. bar laps:  
#15 bars - 510 mm.  
#20 bars - 640 mm  
#25 bars - 1060 mm
  3. For details of junction boxes and method of payment of junction boxes and conduit, see Electrical Drawings.
  4. All horizontal dimension shown taken at toe of parapet.
  5. Reinforcement bars designated (E) shall be epoxy coated.
  6. Bars indicated thus 4x6-#15 etc. Indicates 4 lines of bars with 6 lengths per line.
  7. All dimensions are in millimeters (mm) except as noted.

DESIGNED	JWD
CHECKED	DD
DRAWN	JM/LK
CHECKED	DD

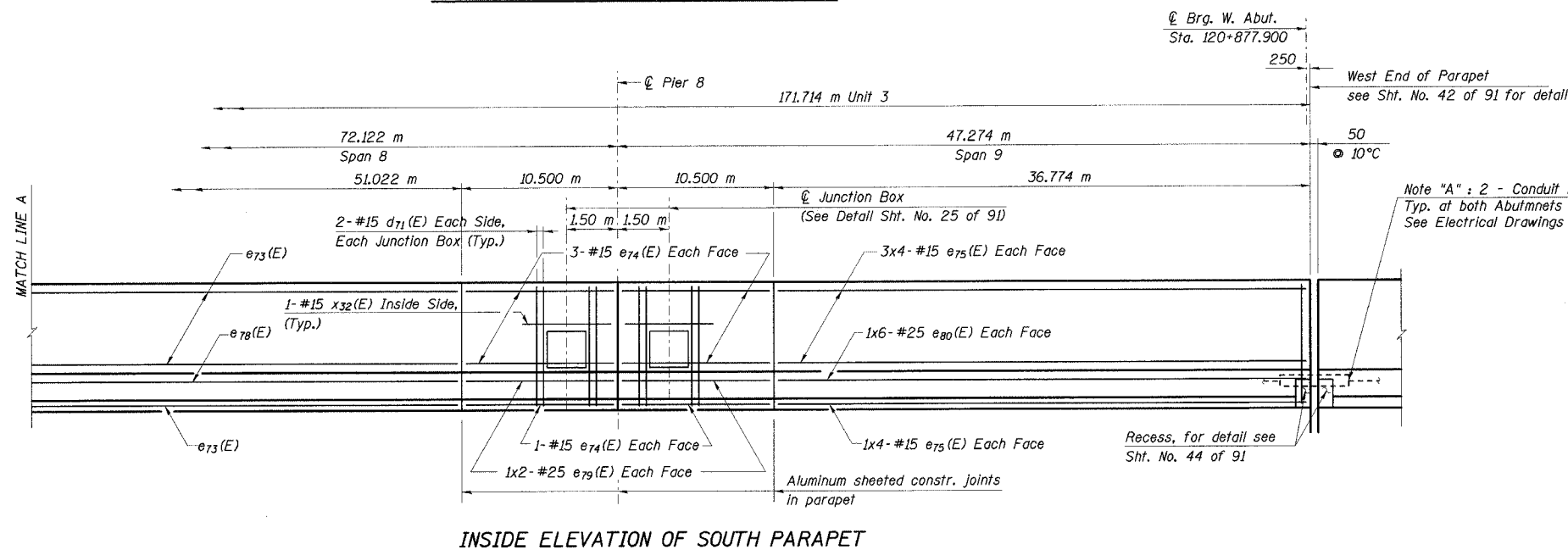
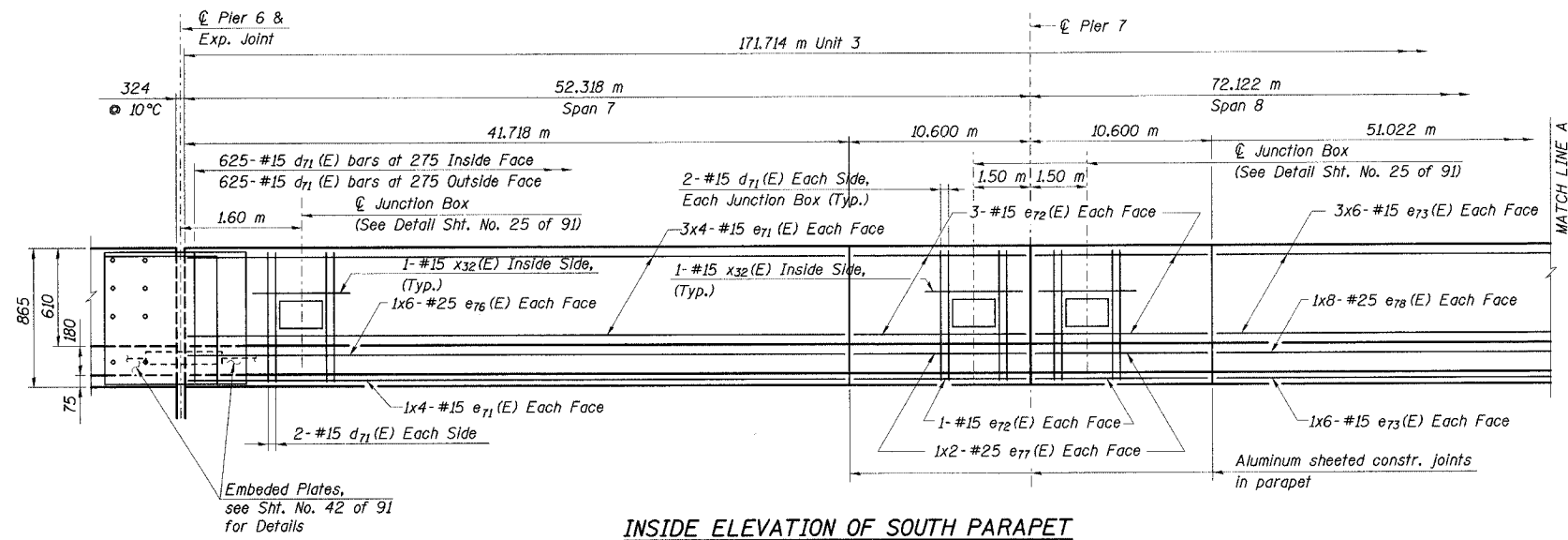
ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
NORTH PARAPET ELEVATION  
SPANS 7-9  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---



J:\Beauchamp  
E:\34562\CADD\1\CTR\_28\_2804\cda\150154e\_2804.dgn  
28-MAR-2005 12:34

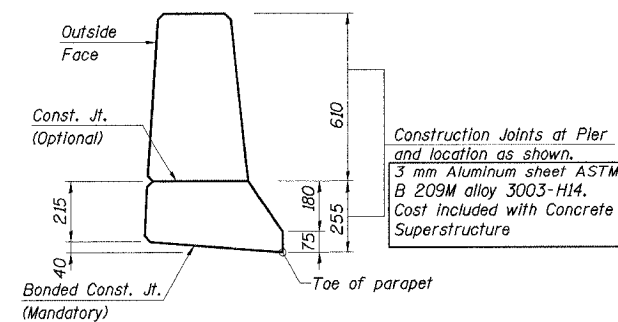
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 38 91 SHEETS
F. A. I. 80/94	0203.1B	COOK	200	100	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-			
CONTRACT NO. 62854					



Notes:

1. Work this sheet with Sheet Nos. 33-37 of 91 Sheets.
2. Min. bar laps:  
#15 bars - 510 mm.  
#20 bars - 640 mm  
#25 bars - 1060 mm
3. For details of junction boxes and method of payment of junction boxes and conduit, see Electrical Drawings.
4. All horizontal dimension shown taken at toe of parapet.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. Bars indicated thus 4x6-#15 etc. indicates 4 lines of bars with 6 lengths per line.
7. All dimensions are in millimeters (mm) except as noted.



DESIGNED	JWD
CHECKED	DD
DRAWN	JM/LK
CHECKED	DD

J:\Beauchamp  
E:\34562\CADD\1\CTR\_28-2804\cda\150184e\_2804.dgn  
28-MAR-2005 12:34

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
SOUTH PARAPET ELEVATION  
SPANS 7-9  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---

**HNTB**