

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	598	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
62302	*1818, ETC. 2324.6-1P1R-9			

## INDEX OF SHEETS

SHEET NO.	TITLE
1	COVER SHEET
2	INDEX OF SHEETS
3	GENERAL NOTES, LIST OF STANDARDS, COMMITMENTS
4	SUGGESTED PROJECT CONSTRUCTION SCHEDULE
5-11	SUMMARY OF QUANTITIES SCHEDULE
12-13	EXISTING TYPICAL SECTIONS
14-18	PROPOSED TYPICAL SECTIONS
19-23	ROADWAY SCHEDULES
24-25A	EARTHWORK SCHEDULE
26-29	MAINTENANCE OF TRAFFIC SCHEDULE
30-31	PAVEMENT MARKING SCHEDULE
32-34	SIGNING SCHEDULE
35-49	ALIGNMENT, TIES, AND BENCHMARKS
50-70	EXISTING AND PROPOSED PLAN
71-85	EXISTING AND PROPOSED PROFILE
86-112	MAINTENANCE OF TRAFFIC PLANS
113	ALTERNATE ROUTE PLAN
114-119	EROSION CONTROL AND LANDSCAPING PLANS
120	DRAINAGE NOTES AND LEGEND
121-162	DRAINAGE SCHEDULES
163	PROPOSED JACKING SCHEDULES
164-211	DRAINAGE AND UTILITIES PLAN
212-222	DRAINAGE PROFILES
223	BRACED EXCAVATION DETAIL
224-226	DETAIL PLANS FOR STORM SEWER JACKING
226A	47TH STREET BRIDGE DOWNSPOUT RELOCATION
227-232	CTA WALKWAY FOUNDATION AS-BUILTS AT 33RD STREET
233-256	S.U.E. DRAWINGS
257-262	CTA PERSHING SUB-STATION PLANS
263-286	PAVEMENT JOINTING AND ELEVATION PLAN
287-297	PROPOSED PAVEMENT MARKING AND SIGNING PLAN
298-301	SIGN PANEL DETAILS
302-303	SIGN PLACEMENT DETAILS
304-305	SIGN PANEL DETAILS
306	TEMPORARY INFORMATION SIGNING PANEL DETAILS
307-338	OVERHEAD SIGN STRUCTURES
339-351	DYNAMIC MESSAGE SIGN PLANS
351A	OVERHEAD SIGN STRUCTURES - SOIL BORING LOGS
355	ELECTRICAL SYMBOLS
356	ELECTRICAL ABBREVIATIONS
357-380	ELECTRICAL INFRASTRUCTURE PLAN
381-383	ELECTRICAL INFRASTRUCTURE DETAILS
384-385	EXISTING AND PROPOSED LIGHTING
386-387	LIGHTING DETAILS
388-408	CIVIL DETAILS
409-424	EXISTING BARRIER WALL MODIFICATIONS AT CTA STATIONS
424C-424W	SOIL BORINGS ALONG CTA BARRIER WALL
425-434	CTA WALL AT STATIONS AS-BUILTS
435-448	RETAINING WALL PLANS
449-452	METRA AND CONRAIL BRIDGE SUBSTRUCTURE REPAIR
453-457	STRUCTURAL DETAILS PROPOSED JUNCTION CHAMBER
458-474	STRUCTURAL DETAILS PROPOSED DROP MANHOLE AS BUILTS
475-484	STRUCTURAL PLANS - PROP CULVERT
485-488	STRUCTURAL PLANS - CULVERT AS-BUILTS
489-492	PAVEMENT DETAILS AT CROSS STREET BRIDGES
493-501	DISTRICT 1 STANDARD DETAILS
502-566	CROSS SECTIONS
567-598	UTILITY CROSS SECTIONS

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com



REVISIONS	
NAME	DATE
ADDENDUM 2	9/16/05

IND-01  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
INDEX OF SHEETS  
SCALE: NTS  
DATE: 07/07/05  
DRAWN BY: TER  
CHECKED BY: JDC

11/5/2005 11:34:29 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	598	3
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
62302 • (1818, ETC, 2324.6-1P1R-9				

**GENERAL NOTES**

1. USE NO. 8 EPOXY-COATED TIE BARS CONFORMING TO ARTICLE 1006.10(B)(2) OF THE STANDARD SPECIFICATIONS FOR LONGITUDINAL CONSTRUCTION JOINT GROUTED-IN-PLACE TIE BAR AS SHOWN ON STATE STANDARD 420001 AND FOR TYING P.C.C. WIDENING TO EXISTING CONCRETE PAVEMENT AS SHOWN ON THE PLANS. THE TIE BARS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PAVEMENT ITEMS BEING CONSTRUCTED.

2. UTILITY LOCATIONS SHOWN ON THESE PLANS MAY NOT BE CORRECT OR COMPLETE. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE RESPECTIVE UTILITY COMPANIES AND THE CITY OF CHICAGO. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL THE CHICAGO UTILITY ALERT NETWORK AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE, CABLE, AND GAS FACILITIES (48 HOURS NOTIFICATION IS REQUIRED). CONTACT THE CHICAGO DEPARTMENT OF WATER MANAGEMENT PERMIT SECTION AT (312) 747-7893 FOR WATER AND SEWER LOCATIONS.

THE CONTRACTOR IS ALERTED THAT THERE ARE EXISTING CTA UTILITY FACILITIES WITHIN AND ADJACENT TO THE CTA OPERATING AREA. THE EXACT LOCATION OF THESE FACILITIES IS NOT KNOWN. THE CONTRACTOR MUST CONTACT THE CTA AT 312-681-3860 FOR LOCATIONS OF THESE FACILITIES BEFORE PROCEEDING WITH ANY WORK WITHIN OR ADJACENT TO THE CTA OPERATING AREA.

3. WHERE SECTION AND SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS. THE ENGINEER OR AN AUTHORIZED SURVEYOR AGENT WILL WITNESS OR OTHERWISE REFERENCE AND RESET MONUMENTS AS NECESSARY. ALL PROPERTY CORNERS EXCEPT THOSE WITHIN AREAS WHERE THE SCHEDULE, IF PROVIDED, SHOWS PLACEMENT OF RIGHT OF WAY MARKERS SHALL REMAIN UNDISTURBED.

4. THE CONTRACTOR SHALL NOT SET UP A YARD OR FIELD OFFICE ON I.D.O.T. PROPERTY WITHOUT WRITTEN PERMISSION FROM I.D.O.T.

5. THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT AND PROVIDE ACCESS TO ADJUTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.

6. \_\_\_\_\_

7. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTION IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND THE ADJOINING COMMERCIAL AND RESIDENTIAL AREAS.

8. ALL ELEVATIONS IN THIS PLAN SET ARE IN THE CHICAGO CITY DATUM (CCD). THE FOLLOWING CONVERSION FACTOR IS USED FOR CONVERTING CCD TO NAVD 88: NAVD 88 ELEVATION = CCD + 579.19

9. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

10. THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTORS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, INLETS AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL INSTALLATION IS COMPLETE INCLUDING PAVEMENT. THIS WORK SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

11. ON STATE STANDARD 483001, THE IMPROVED SUBGRADE SHALL BE AS SHOWN ON THE CONTRACT TYPICAL SECTIONS.

12. ALL STORM SEWER CONNECTIONS WITH PIPES 27 INCH DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES. FOR PROPOSED STORM SEWER PIPES LARGER THAN 27 INCH DIAMETER, OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE SAME TIME IT IS MANUFACTURED. PRECAST "TEE" OR "WYE" PIPE CONNECTIONS FOR THE PROPOSED STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST FOR THE STORM SEWER.

14. THE UNIT WEIGHT USED FOR ALL BITUMINOUS SURFACE MIXTURES IS 112 LB/SQ YD/IN.

15. LOCATIONS OF ACCESS CONTROL FENCING AS SHOWN ON THE PLANS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO BETTER FIT FIELD CONDITIONS.

16. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT NO GAP REMAINS BETWEEN PROPOSED FENCING OR WHERE PROPOSED FENCING TERMINATES AND EXISTING FENCE REMAINS IN PLACE.

17. THE LOCATION OF VARIOUS ITEMS SUCH AS PAVEMENT, BARRIER WALLS, AND DRAINAGE STRUCTURES BUILT IN CONTRACTS UNDER CONSTRUCTION DURING THE PREPARATION OF THESE PLANS IS BASED ON THE PUBLISHED CONTRACT PLAN DRAWINGS AVAILABLE DURING DESIGN. THE CONTRACTOR MUST FIELD VERIFY LIMITS, LOCATIONS AND ELEVATIONS OF THESE PREVIOUSLY CONSTRUCTED ITEMS.

18. TEN FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

19. TEMPORARY CONCRETE BARRIER - THE BARRIER UNIT AT EACH END OF THE INSTALLATIONS SHALL BE SECURED TO THE PAVEMENT OR SHOULDER USING THREE ANCHORING PINS FOR F SHAPE OR THREE DOWEL BARS FOR NEW JERSEY SHAPE.

20. HAMMER DRIVING OF PILES WILL NOT BE ALLOWED. ALL PILES MUST BE VIBRATED INTO PLACE.

21. CRUSHING PLANT AND CONCRETE PLANT LOCATIONS REQUIRE CITY OF CHICAGO APPROVAL.

**LIST OF STANDARDS**

000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
420001-06	PAVEMENT JOINTS
420401-05	BRIDGE APPROACH PAVEMENT
420111-01	PCC PAVEMENT ROUNDOUTS
421001-01	BAR REINFORCEMENT FOR CONTINUOUSLY REINFORCED PCC PAVEMENT
421201-04	7.2M (24') CRC PAVEMENT (WITH LUG SYSTEM)
421206-04	10.8M (36') CRC PAVEMENT (WITH LUG SYSTEM)
483001-02	PCC SHOULDER
602001	CATCH BASIN, TYPE A
602101-01	DRAINAGE STRUCTURES, TYPES 1, 2, & 3
602301	INLET, TYPE A
602401	MANHOLE, TYPE A
602406-01	MANHOLE, TYPE A, 1800mm (72") DIAMETER
602601	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701	CAST IRON STEPS
604001-02	FRAME AND LID, TYPE 1
604071-02	FRAME AND GRATE, TYPE 20
604076-02	FRAME AND GRATE, TYPE 21
604081-02	FRAME AND GRATES, TYPE 22
630301-02	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-05	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
637001-02	CONCRETE BARRIER 815 MM (32 IN.) HEIGHT
664001-01	CHAIN LINK FENCE
701101-01	OFF-ROAD OPERATIONS, MULTILANE, LESS THAN 15' AWAY, FOR SPEEDS >= 45 MPH
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-03	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-05	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701411-03	LANE CLOSURE, MULTILANE AT ENTRANCE OR EXIT RAMP FOR SPEEDS >= 45 MPH TO 55 MPH
701446	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
702001-05	TRAFFIC CONTROL DEVICES
704001-02	TEMPORARY CONCRETE BARRIER
720001	SIGN PANEL MOUNTING DETAILS
720006	SIGN PANEL ERECTION DETAILS
720011	METAL POSTS (SIGNS, MARKERS AND DELINEATORS)
729001	APPLICATION OF TYPE A AND B POSTS
780001-01	TYPICAL PAVEMENT MARKINGS

**PROJECT COMMITMENTS**

IDOT HAS MADE THE FOLLOWING COMMITMENTS FOR THIS PROJECT:

IDOT HAS COMMITTED TO ADDRESS CONSTRUCTION RELATED AIR QUALITY CONCERNS. THESE STRATEGIES INCLUDE REQUIRING DETAILED DUST CONTROL PLANS, REQUIRING THE USE OF CLEANER BURNING DIESEL FUELS ON CERTAIN DIESEL POWERED CONSTRUCTION EQUIPMENT AND/OR THE INSTALLATION OF EXHAUST EMISSION SCRUBBERS, AND THE REDUCTION OF CONSTRUCTION EQUIPMENT IDLING TIMES. THESE STRATEGIES ARE ADDRESSED IN SPECIAL PROVISIONS INCLUDED IN THIS CONTRACT AND DEVELOPED FOR THE DAN RYAN RECONSTRUCTION PROJECT.

IDOT HAS COMMITTED TO REDUCE TIRE-PAVEMENT HIGHWAY TRAFFIC NOISE FOR THE FINISHED PROJECT BY INCLUDING A SPECIAL PROVISION TO INCORPORATE VARIABLE WIDTH AND SKEWED "TINING" OF THE NEW CONCRETE PAVEMENT.



ONE NORTH FRANKLIN  
CHICAGO, IL 60606  
PHONE: (312) 251-3000  
FAX: (312) 251-3015  
WEB: WWW.EKCORP.COM



BOWMAN, BARRETT  
& ASSOCIATES  
SUITE 2650  
130 E. RANDOLPH ST.  
CHICAGO, IL 60601

REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
GENERAL NOTES, LIST OF STANDARDS  
COMMITMENTS

SCALE: NONE  
DATE: 7/7/05

DRAWN BY: LPN  
CHECKED BY: PJM

10/30/05 09:35:35 AM I:\815\CA\DN\S\GHI\5001E.SHT



F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	598	5
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62302 \*1818, ETC, 2324.6-1PIR-9

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	URBAN		90% FEDERAL / 10% STATE							
			TOTAL QUANTITY	ROADWAY 3000-2A	RETAINING WALLS Y007	S.N. 016-2625 X928-2A	SIGNING Y002-1C	SAFETY SFTY-3N	LIGHTING Y030-1E	SURVEILLANCE Y032-1F	BRIDGE REPAIRS SFTY-2A	
20200100	EARTH EXCAVATION	CU YD	100,269	100,269								
20700220	POROUS GRANULAR EMBANKMENT	CU YD	965		965							
20800150	TRENCH BACKFILL	CY YD	37,129	37,129								
20900410	SAND BACKFILL	CU YD	680		680							
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	228,820	228,820								
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,727	1,727								
21101630	TOPSOIL FURNISH AND PLACE, 8"	SQ YD	3,707	3,707								
21101815	COMPOST FURNISH AND PLACE, 4"	SQ YD	3,707	3,707								
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	1,518		1,518							
25000210	SEEDING, CLASS 2A	ACRE	1		1							
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	101		101							
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	101		101							
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	101		101							
<del>25100115</del>	<del>MULCH METHOD B</del>	<del>ACRE</del>	<del>1</del>		<del>1</del>							
25100630	EROSION CONTROL BLANKET	SQ YD	5,434	5,434								
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	113		113							
28000400	PERIMETER EROSION BARRIER	FOOT	975		975							
28000510	INLET FILTERS	EACH	221		221							
31101860	SUB-BASE GRANULAR MATERIAL, TYPE B 24"	SQ YD	59,674	59,674								
42001165	BRIDGE APPROACH PAVEMENT	SQ YD	452			452						
42001300	PROTECTIVE COAT	SQ YD	231,107	231,107								
42100380	CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 14"	SQ YD	146,669	146,669								
42101448	LUG SYSTEM COMPLETE 48'	EACH	3		3							
44000013	BITUMINOUS SURFACE REMOVAL, 5"	SQ YD	143			143						
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	82			82						
44000100	PAVEMENT REMOVAL	SQ YD	161,041		161,041							
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	6,313		6,313							
44000700	APPROACH SLAB REMOVAL	SQ YD	219			219						
44001980	CONCRETE BARRIER REMOVAL	FOOT	24,320	24,320								
44004250	PAVED SHOULDER REMOVAL	SQ YD	62,227	62,227								
44201423	CLASS C PATCHES, TYPE I, 16 INCH	SQ YD	25		25							
44201427	CLASS C PATCHES, TYPE II, 16 INCH	SQ YD	60		60							
44201431	CLASS C PATCHES, TYPE III, 16 INCH	SQ YD	50		50							
48202400	BITUMINOUS SHOULDERS SUPERPAVE 6"	SQ YD	36		36							

\* - SPECIALTY ITEM

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
SUMMARY OF QUANTITIES  
SCHEDULE

SCALE: NTS  
DATE: 07/07/05  
DRAWN BY: RA  
CHECKED BY: JDC

Rev. B-31-05

S00-01

7:56:44 PM 6/29/2005

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	598	6
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62302 \*1818, ETC, 2324.6-1PIR-9

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	URBAN		ROADWAY		RETAINING WALLS Y007	90% FEDERAL / 10% STATE							
			TOTAL	ROADWAY	TOTAL	ROADWAY		S.N. 016-2625 X928-2A	SIGNING Y002-1C	SAFETY SFTY-3N	LIGHTING Y030-1E	SURVEILLANCE Y032-1F	BRIDGE REPAIRS SFTY-2A		
50200100	STRUCTURE EXCAVATION	CU YD	9,249	554			2,695								
50300225	CONCRETE STRUCTURES	CU YD	916	51			865								
50300255	CONCRETE SUPERSTRUCTURE	CU YD	916.7	718.5			86	112.2							
50300260	BRIDGE DECK GROOVING	SQ YD	212					212							
50300300	PROTECTIVE COAT	SQ YD	4,920	3,017			1,570	265							68
50301245	FORMED CONCRETE REPAIR (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	655												655
50301250	FORMED CONCRETE REPAIR (DEPTH GREATER THAN 5")	SQ FT	40												40
* 50700209	UNTREATED TIMBER LAGGING	SQ FT	12,795	12,795											
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	190,242	58,882			109,910	21,450							
55100300	STORM SEWER REMOVAL 8"	FOOT	692	692											
55100400	STORM SEWER REMOVAL 10"	FOOT	6,619	6,619											
55100500	STORM SEWER REMOVAL 12"	FOOT	4,957	4,957											
55100700	STORM SEWER REMOVAL 15"	FOOT	3,210	3,210											
55100900	STORM SEWER REMOVAL 18"	FOOT	4,072	4,072											
55101100	STORM SEWER REMOVAL 21"	FOOT	613	613											
55101200	STORM SEWER REMOVAL 24"	FOOT	3,683	3,683											
55101300	STORM SEWER REMOVAL 27"	FOOT	685	685											
55101400	STORM SEWER REMOVAL 30"	FOOT	1,199	1,199											
55101600	STORM SEWER REMOVAL 36"	FOOT	333	333											
55101800	STORM SEWER REMOVAL 42"	FOOT	57	57											
59000100	EPOXY CRACK SEALING	FOOT	124												124
60107700	PIPE UNDERDRAINS 6"	FOOT	51,849	51,849											
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	636	636											
60109000	PIPE UNDERDRAINS, PERFORATED CORRUGATED STEEL PIPE 12"	FOOT	403	403											
60109582	PIPE UNDERDRAINS FOR STRUCTURES 6"	FOOT	1,100				1,100								
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	19	19											
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2											
60201310	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	EACH	268	268											
60203805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1											
60205010	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 20 FRAME AND GRATE	EACH	2	2											
60208210	CATCH BASINS, TYPE C, TYPE 20 FRAME AND GRATE	EACH	6	6											
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	47	47											
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	152	152											
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	6											

\* - SPECIALTY ITEM

BOWMAN, BARRETT & ASSOCIATES INC  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com

Rev. 9-19-05  
Rev. 8-31-05

REVISIONS	DATE
NAME	

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
SUMMARY OF QUANTITIES  
SCHEDULE

SCALE: NTS  
DATE: 07/07/05

DRAWN BY: RA  
CHECKED BY: JOC

SOQ-02

6/29/2005 5:56:39 PM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	598	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62302 \*01818, ETC, 2324.6-1PR-9

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	URBAN		90% FEDERAL / 10% STATE										
			TOTAL QUANTITY	ROADWAY J000-2A	RETAINING WALLS Y007	S.N. 016-2625 X928-2A	SIGNING Y002-1C	SAFETY SFTY-3N	LIGHTING Y030-1E	SURVEILLANCE Y032-1F	BRIDGE REPAIRS SFTY-2A				
<del>60240324</del>	<del>INLETS, TYPE B, TYPE 1 FRAME, OPEN LID</del>	<del>EACH</del>	<del>1</del>	<del>1</del>											
60240324	INLETS, TYPE B, TYPE 20 FRAME AND GRATE	EACH	35	35											
60248000	JUNCTION CHAMBER NO. 1	EACH	1	1											
60248100	JUNCTION CHAMBER NO. 2	EACH	1	1											
60248200	JUNCTION CHAMBER NO. 3	EACH	1	1											
60248300	JUNCTION CHAMBER NO. 4	EACH	1	1											
60248400	JUNCTION CHAMBER NO. 5	EACH	1	1											
60248500	JUNCTION CHAMBER NO. 6	EACH	1	1											
60248600	JUNCTION CHAMBER NO. 7	EACH	1	1											
60248610	JUNCTION CHAMBER NO. 8	EACH	1	1											
60248620	JUNCTION CHAMBER NO. 9	EACH	1	1											
60248630	JUNCTION CHAMBER NO. 10	EACH	1	1											
60248640	JUNCTION CHAMBER NO. 11	EACH	1	1											
<del>60248650</del>	<del>JUNCTION CHAMBER NO. 12</del>	<del>EACH</del>	<del>1</del>	<del>1</del>											
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	36	36											
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	34	34											
60260300	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	64	64											
60500040	REMOVING MANHOLES	EACH	192	192											
60500050	REMOVING CATCH BASINS	EACH	276	276											
60500060	REMOVING INLETS	EACH	53	53											
60500105	FILLING MANHOLES	EACH	36	36											
60500205	FILLING CATCH BASINS	EACH	29	29											
60618324	CONCRETE MEDIAN SURFACE, 6 INCH (SPECIAL)	SQ FT	20,500	20,500											
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1						1						
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)	EACH	1						1						
63700805	CONCRETE BARRIER TRANSITION	FOOT	1374	1374											
• 66400560	CHAIN LINK FENCE, 6' (SPECIAL)	FOOT	24,264	24,264											
• 66402900	CHAIN LINK GATES, 6' X 6' SINGLE	EACH	24	24											
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	10	10											
67100100	MOBILIZATION	L SUM	1	1											
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	32,125	32,125											
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	255	255											
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	109,139	109,139											
70300530	PAVEMENT MARKING TAPE, TYPE III 5"	FOOT	16,776	16,776											
<del>66900200</del>	<del>NON-SPECIAL WASTE DISPOSAL</del>	<del>CU YD</del>	<del>10,678</del>	<del>10,678</del>											
<del>66900450</del>	<del>SPECIAL WASTE PLANS AND REPORTS</del>	<del>L SUM</del>	<del>1</del>	<del>1</del>											
<del>66900525</del>	<del>PRIORITY POLLUTANT - TCLP SOIL ANALYSIS</del>	<del>EACH</del>	<del>6</del>	<del>6</del>											
<del>66900530</del>	<del>SOIL DISPOSAL ANALYSIS</del>	<del>EACH</del>	<del>2</del>	<del>2</del>											

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com

\*SPECIALTY ITEM

Rev. 9-19-05  
Rev. 8-31-05

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
SUMMARY OF QUANTITIES  
SCHEDULE

SCALE: NTS  
DATE: 07/07/05

DRAWN BY: RA  
CHECKED BY: JDC

SOQ-03

7/16/05 09:00 AM 15/00001.dgn

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	598	8
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62302 •(1818, ETC, 2324.6-1P1R-9

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	URBAN		90% FEDERAL / 10% STATE							
			TOTAL QUANTITY	ROADWAY J000-2A	RETAINING WALLS Y007	S.N. 016-2625 X928-2A	SIGNING Y002-1C	SAFETY SFTY-3N	LIGHTING Y030-1E	SURVEILLANCE Y032-1F	BRIDGE REPAIRS SFTY-2A	
70300550	PAVEMENT MARKING TAPE, TYPE III 8"	FOOT	17,324	17,324								
70300560	PAVEMENT MARKING TAPE, TYPE III 12"	FOOT	3,916	3,916								
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	58,401	58,401								
70400100	TEMPORARY CONCRETE BARRIER	FOOT	20,343	20,343								
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	27,405	27,405								
72000100	SIGN PANEL - TYPE 1	SQ FT	676				676					
72000200	SIGN PANEL - TYPE 2	SQ FT	227				227					
72000300	SIGN PANEL - TYPE 3	SQ FT	2,242				2,242					
72100100	SIGN PANEL OVERLAY	SQ FT	3				3					
72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	64				64					
72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	1244				1244					
72400730	RELOCATE SIGN PANEL - TYPE 3	SQ FT	948				948					
72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	3,150				3,150					
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	88				88					
73000100	WOOD SIGN SUPPORT	FOOT	1,070				1,070					
73300100	OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")	FOOT	217				217					
73300300	OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0")	FOOT	137				137					
73302210	OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE III-C-A (36" X 7'-0")	FOOT	62				62					
73304000	OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	FOOT	84				84					
73305000	OVERHEAD SIGN STRUCTURE WALKWAY	FOOT	271				271					
73400100	CONCRETE FOUNDATIONS	CU YD	10	10								
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	223	223								
73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	9				9					
73600200	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	EACH	2				2					
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	18	18								
78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	254	254								
78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	104,855	104,855								
78005120	EPOXY PAVEMENT MARKING - LINE 5"	FOOT	27,987	27,987								
78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	20,967	20,967								
78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	5,511	5,511								
78200100	MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR	EACH	1061	1061								
78200530	BARRIER WALL MARKERS, TYPE C	EACH	445	445								
78201000	TERMINAL MARKER, DIRECT APPLIED	EACH	1	1								
78300100	PAVEMENT MARKING REMOVAL	SQ FT	29,997	29,997								

00 - SFTY - 3C  
 \* - SPECIALTY ITEM

BOWMAN, BARRETT & ASSOCIATES INC.  
 CONSULTING ENGINEERS  
 Chicago, Illinois  
 312.228.0100  
 www.bbainc.com

Rev. 9-19-05  
 Rev. 8-31-05

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 SUMMARY OF QUANTITIES  
 SCHEDULE

SCALE: NTS  
 DATE: 07/07/05

DRAWN BY: RA  
 CHECKED BY: JDC

S00-04

6/29/2005 5:37:29 PM

62302 \*1818, ETC, 2324.6-1P1R-9

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	90% FEDERAL / 10% STATE									
			URBAN TOTAL QUANTITY	ROADWAY J000-2A	RETAINING WALLS Y007	S.N. 016-2625 X928-2A	SIGNING Y002-1C	SAFETY SFTY-3N	LIGHTING Y030-1E	SURVEILLANCE Y032-1F	BRIDGE REPAIRS SFTY-2A	
• 80700140	GROUND ROD, 5/8" DIA. X 10FT	EACH	1							1		
• 80800525	TEMPORARY WOOD POLE 60 FT., CLASS 4 15 FT. MA	EACH	5							5		
• 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	933								933	
• 81200270	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA.. PVC	FOOT	775							775		
• 81302630	JUNCTION BOX, NON METALLIC, EMBEDDED IN STRUCTURE, 21"X11"X8"	EACH	1							1		
• 81400200	HEAVY-DUTY HANDHOLE	EACH	18							18		
• 81400205	HEAVY-DUTY HANDHOLE (SPECIAL)	EACH	1							1		
• 81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	948							50	898	
• 81800700	AERIAL CABLE 3 1/2 #2 ALUMINUM WITH MESSENGER WIRE	FOOT	700							700		
• 84100110	REMOVAL OF TEMPORARY LIGHTING UNITS	EACH	5							5		
* 84200800	POLE FOUNDATION, REMOVED	EACH	134	134								
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	4897	4897								
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	1050	1050								
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	37	37								
550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	202	202								
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	9	9								
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	4752	4752								
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	907	907								
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	2,126	2,126								
550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	2835	2835								
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	1487	1487								
550A0420	STORM SEWERS, CLASS A, TYPE 2 27"	FOOT	2069	2069								
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	2698	2698								
550A0440	STORM SEWERS, CLASS A, TYPE 2 33"	FOOT	606	606								
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	4527	4527								
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	1,623	1,623								
550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	164	164								
550A0640	STORM SEWERS, CLASS A, TYPE 3 12"	FOOT	37	37								
550A0680	STORM SEWERS, CLASS A, TYPE 3 18"	FOOT	292	292								
550A0700	STORM SEWERS, CLASS A, TYPE 3 21"	FOOT	321	321								
550A0710	STORM SEWERS, CLASS A, TYPE 3 24"	FOOT	357	357								
550A0730	STORM SEWERS, CLASS A, TYPE 3 30"	FOOT	238	238								
<del>550A0740</del>	<del>STORM SEWERS, CLASS A, TYPE 3 33"</del>	<del>FOOT</del>	<del>120</del>	<del>120</del>								
550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	FOOT	58	58								

• - SPECIALTY ITEM

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
SUMMARY OF QUANTITIES  
SCHEDULE

SCALE: NTS  
DATE: 07/07/05  
DRAWN BY: RA  
CHECKED BY: JDC

Rev. 8-31-05

SOQ-05

6/29/2005 5:37:52 PM



F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	598	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62302 \* (1818, ETC, 2324.6-1)PR-9

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	URBAN		90% FEDERAL / 10% STATE							
			TOTAL QUANTITY	ROADWAY J000-2A	RETAINING WALLS Y007	S.N. 016-2625 X928-2A	SIGNING Y002-1C	SAFETY SFTY-3N	LIGHTING Y030-1E	SURVEILLANCE Y032-1F	BRIDGE REPAIRS SFTY-2A	
550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	486	486								
550B0070	STORM SEWERS, CLASS B, TYPE 1 15"	FOOT	38	38	△							
552A1300	STORM SEWERS JACKED IN PLACE, CLASS A 36"	FOOT	85	85								
552A1500	STORM SEWERS JACKED IN PLACE, CLASS A 42"	FOOT	259	259								
552A1600	STORM SEWERS JACKED IN PLACE, CLASS A 48"	FOOT	120	120	△							
X0320870	BRACED EXCAVATION	CU YD	4,980	4,980	△							
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	957	957								
X0323221	PLUG AND ABANDON EXISTING PIPE	CU YD	341	341	△							
□ X0323426	SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	222	222								
X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	34,916	34,916	△							
X0324455	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	37,117	37,117	△							
X0324112	BARRIER BASE	FOOT	28,985	28,985	△							
X0324431	TEMPORARY SOIL RETENTION SYSTEM (TO REMAIN IN PLACE)	SQ FT	16,000		16,000							
X0324697	SOIL STABILIZERS	POUND	163,129	163,129								
X0324698	APPLY DUST SUPPRESSION AGENTS	UNIT	95	95								
X4210400	LUG SYSTEM REMOVAL	EACH	2	2								
X4834090	PORTLAND CEMENT CONCRETE SHOULDERS - 14"	SQ YD	58,371	58,371	△							
* X5120905	FURNISHING SOLDIER PILES W 12X72	FOOT	1420	1420	△							
* X5120907	FURNISHING SOLDIER PILES W 12X120	FOOT	9060	9060	△							
* X5120952	FURNISHING SOLDIER PILES W 24X106	FOOT	5120	5120	△							
X6020166	DRAINAGE STRUCTURES, TYPE 1 SPECIAL WITH TWO TYPE 20 FRAMES AND GRATES	EACH	52	52	△							
X6020167	DRAINAGE STRUCTURES, TYPE 2 SPECIAL WITH TWO TYPE 22 FRAMES AND GRATES	EACH	4	4								
X6063600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	FOOT	674	674								
X6370910	CONCRETE BARRIER, SINGLE FACE, 32" HEIGHT	FOOT	2,672	2,672								
X6370925	CONCRETE BARRIER, SINGLE FACE, 42" (SPECIAL)	FOOT	21,311	21,311	△							
X6370930	CONCRETE BARRIER, DOUBLE FACE, 32" HEIGHT	FOOT	2,677	2,677								
X6370935	CONCRETE BARRIER, SINGLE FACE, 32" (MODIFIED)	FOOT	815	815								
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1								
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	270	270								
X7015000	CHANGEABLE MESSAGE SIGN	CAL MO	55	55								
X7040600	FURNISH TEMPORARY CONCRETE BARRIER	FOOT	15,863	15,863	△							
* X7330110	OVERHEAD SIGN STRUCTURE WALKWAY, CANTILEVER, TYPE A	FOOT	46				46					
* X8160380	UNIT DUCT, W 3-1/2 NO.2 AND 1/2 NO.4 GRND, 600V (EPR-TYPE RHW), 1 1/4" DIA., POLYETHYLENE	FOOT	825						825			
XX001854	STABILIZED SUB-BASE 6"	SQ YD	215,848	215,848	△							

□ - NON-PARTICIPATING  
\* - SPECIALTY ITEM

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com

△ Rev. 9-19-05  
△ Rev. 8-21-05

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
SUMMARY OF QUANTITIES  
SCHEDULE

SCALE: NTS  
DATE: 07/07/05

DRAWN BY: RA  
CHECKED BY: JDC

S00-06

6/29/2005 5:36:08 PM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	598	11
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

62302 • (1818, ETC, 2324.6-1PIR-9)

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	URBAN		90% FEDERAL / 10% STATE								
			TOTAL QUANTITY	ROADWAY J000-2A	RETAINING WALLS Y007	S.N. 016-2625 X928-2A	SIGNING Y002-1C	SAFETY SFTY-3N	LIGHTING Y030-1E	SURVEILLANCE Y032-1F	BRIDGE REPAIRS SFTY-2A		
XX004201	PAVEMENT REINFORCEMENT 14"	SQ YD	146,672	146,672									
• XX004812	VIDEO TAPING OF SEWERS	FOOT	753	753									
XX005489	STEEL CASING 48"	FOOT	85	85									
<del>Z0026420</del>	<del>STEEL CASING 60"</del>	<del>FOOT</del>	<del>259</del>	<del>259</del>									
<del>Z0068426</del>	<del>STEEL CASING 66"</del>	<del>FOOT</del>	<del>120</del>	<del>120</del>									
Z0002600	BAR SPLICERS	EACH	277	20		257							
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1									
□ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	42	42									
Z0018800	DRAINAGE SYSTEM	L SUM	1	1									
<del>Z0018900</del>	<del>DRILL AND GROUT DOWEL BARS</del>	<del>EACH</del>	<del>6,494</del>	<del>6,494</del>									
Z0029999	IMPACT ATTENUATOR REMOVAL	EACH	6						6				
<del>Z0002300</del>	<del>BALLAST</del>	<del>CU YD</del>	<del>5018</del>	<del>5018</del>									
Z0030070	IMPACT ATTENUATORS (SEVERE USE, NARROW) TEST LEVEL 3	EACH	2						2				
Z0030150	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	1						1				
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	5						5				
Z0040530	PIPE UNDERDRAIN REMOVAL	FOOT	494	494									
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	0.8								0.2	
⊙ Z0076600	TRAINEES	HOUR	2000	2000									
• X8100042	CONDUIT ENCASED, CONCRETE, 3" DIA., PVC	FOOT	777									777	
• X0325080	VIDEO TAPING OF MWRD CULVERT	FOOT	245				245						
X4810100	TEMPORARY SHOULDERS	SQ YD	7713	7713									
X0325081	CONCRETE SLAB HYDRO-DEMOLITION	SQ YD	237				237						
X03270927	CONCRETE BARRIER SINGLE FACE 72" (SPECIAL)	FOOT	166	166									
X0325083	CTA BARRIER REMOVAL	FOOT	22,239	22,239									
• X0325083	CTA FENCE	FOOT	21,718	21,031			87						
• X0325084	CTA GATES	EACH	24	24									
X0325085	TEMPORARY PAVEMENT (INTERSTATE)	SQ YD	10,717	10,717									
• X7011008	TRAFFIC CONTROL AND PROTECTION FOR ALTERNATE ROUTE SIGNING	L.M.M.D	10	10									
X0325086	TEMPORARY CTA BALLAST RETENTION	L SUM	1				1						
• X7330105	OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	FOOT	56					56					
• X0950610	REMOVE AND RELOCATE EXISTING LIGHTING UNIT	EACH	5							5			
• X0210015	TEMPORARY LUMINAIRE, 400 WATT HPSV	EACH	5							5			
X2020300	EXCAVATE AND PLACE EXISTING GRANULAR MATERIAL	CU YD	56,192	56,192									
31101810	SUB-BASE GRANULAR MATERIAL, TYPE B 12"	SQ YD	166,371	166,371									
B1000800	CONDUIT IN TRENCH, 3" DIA. GALVANIZED STEEL	FOOT	75									75	
B3600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	65									65	
50102400	CONCRETE REMOVAL	CU YD	3.2	3.2									

⊙ - Y000  
 \* - SPECIALTY ITEM  
 □ - NON-PARTICIPATING

REVISIONS	
NAME	DATE

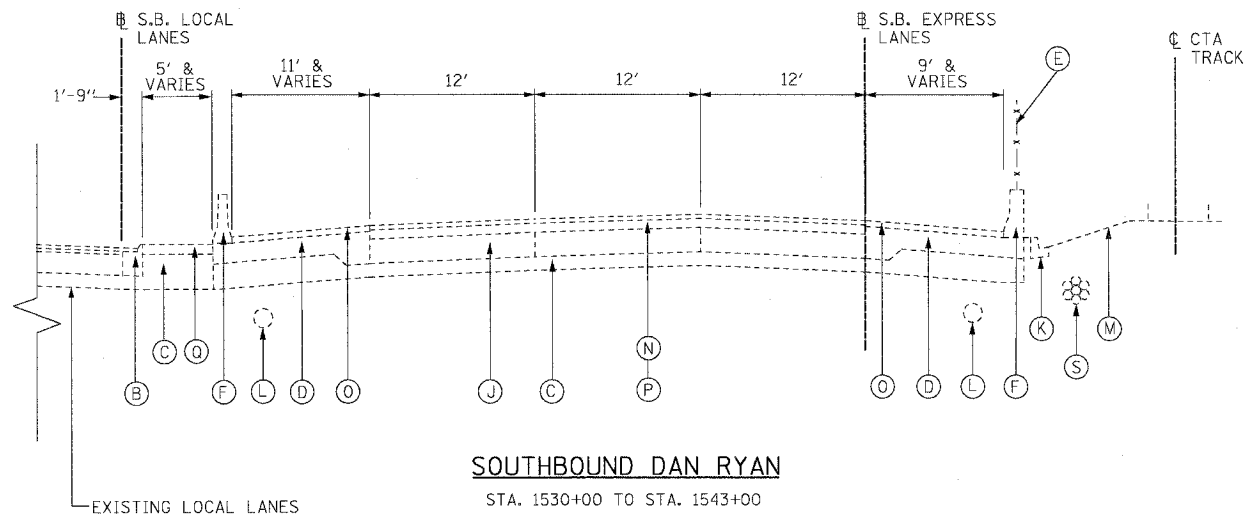
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 SUMMARY OF QUANTITIES  
 SCHEDULE

SCALE: NTS  
 DATE: 07/07/05  
 DRAWN BY: RA  
 CHECKED BY: JDC

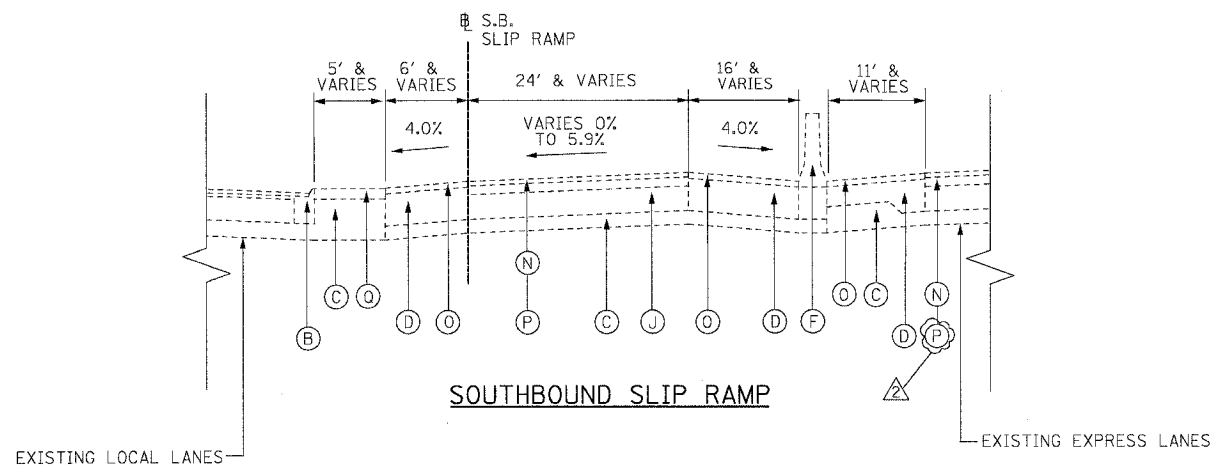
BOWMAN, BARRETT & ASSOCIATES INC.  
 CONSULTING ENGINEERS  
 Chicago, Illinois  
 312.228.0100  
 www.bbainc.com

Rev. 8-31-05

S00-07  
 5/29/2005



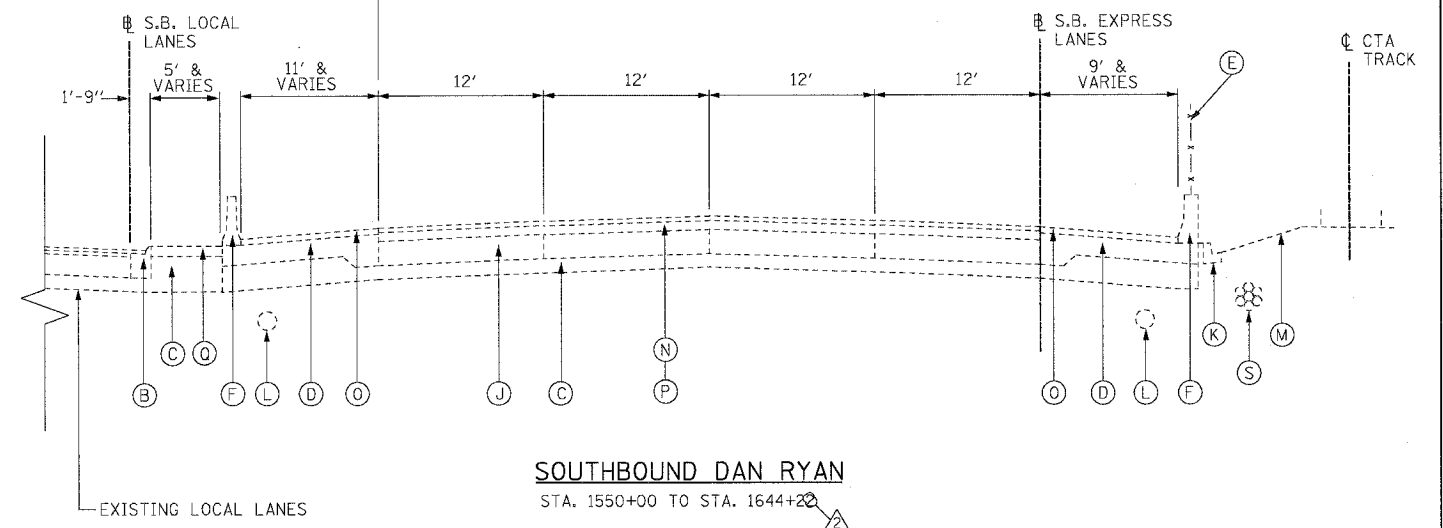
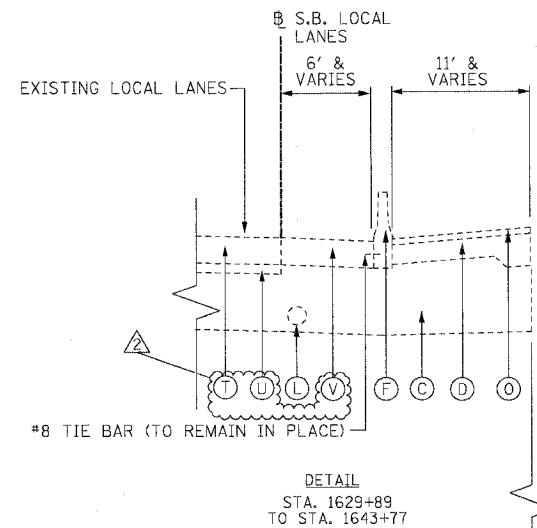
(AREA OF SLIP RAMP GORES FROM STA. 1543+00 TO STA. 1550+00 IS SIMILAR TO THE ABOVE SECTIONS)



**NOTES:**

- THICKNESS OF EXISTING PAVEMENT AND SUB BASES ARE TAKEN FROM AS-BUILT PLANS.
- SUPERELEVATED SECTIONS ARE SIMILAR TO TANGENT SECTIONS.
- REMOVAL OF TYPE 34 COMBINATION CONCRETE CURB AND GUTTER SHALL BE PERFORMED AS REQUIRED. THIS REMOVAL WILL BE INCLUDED IN THE COST OF CTA BARRIER REMOVAL AND WILL NOT BE PAID FOR SEPARATELY.

**BOWMAN, BARRETT & ASSOCIATES INC.**  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbardainc.com



**EXISTING CONDITIONS LEGEND**

- (A) P.C.C. PAVEMENT 10"
- (B) COMBINATION CONCRETE CURB AND GUTTER
- (C) GRANULAR SUB-BASE 6" & VARIES (SEE SCHEDULE ON THIS SHEET)
- (D) P.C.C. SHOULDER 9"
- (E) CHAIN LINK FENCE
- (F) CONCRETE BARRIER
- (G) BITUMINOUS CONCRETE SURFACE COURSE, 1 1/2"
- (H) BITUMINOUS CONCRETE BINDER COURSE, 3/4"
- (I) TEMPORARY CONCRETE BARRIER
- (J) C.R.C. PAVEMENT 8"
- (K) TYPE 34 CURB AND GUTTER
- (L) PIPE UNDERDRAINS 8"
- (M) C.T.A. BALLAST
- (N) BITUMINOUS CONCRETE SURFACE COURSE, 1 3/4"
- (O) BITUMINOUS CONCRETE SURFACE COURSE, 2 1/4"
- (P) BITUMINOUS CONCRETE BINDER COURSE, 3/2"
- (Q) 4" STABILIZED SHOULDER B.A.M.
- (R) BITUMINOUS CONCRETE SURFACE COURSE 1 3/4"
- (S) BITUMINOUS CONCRETE BASE COURSE 12 1/4"
- (T) C.T.A. FIBER OPTIC DUCT
- (U) C.R.C. PAVEMENT 13"
- (V) 4" STABILIZED SUB-BASE B.A.M.
- (W) PORTLAND CEMENT CONCRETE SHOULDERS 13"

STATION	DEPTH
1582+00 - 1586+33	18"
1586+33 - 1587+33	18" - 36"
1587+33 - 1605+48	36"
1605+48 - 1607+63	36" - 18"
1607+63 - 1608+58	18"
1608+58 - 1611+63	24" - 42"
1611+63 - 1618+63	42"
1618+63 - 1622+63	42" - 18"
1622+63 - 1627+13	18" - 42"
1627+13 - 1631+43	42"
1631+43 - 1636+13	42" - 18"
1636+13 - 1639+63	18" - 42"
1639+63 - 1644+22	42"

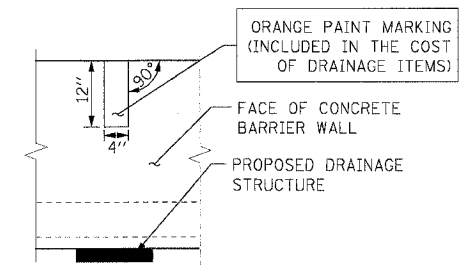
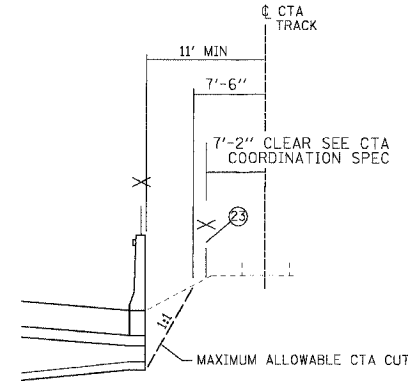
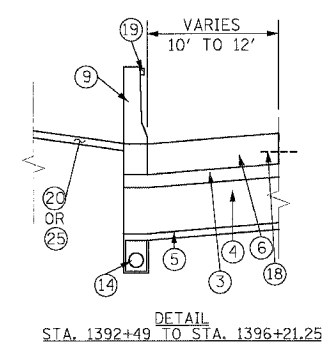
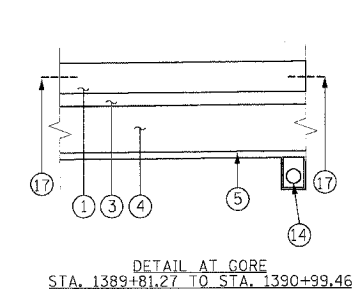
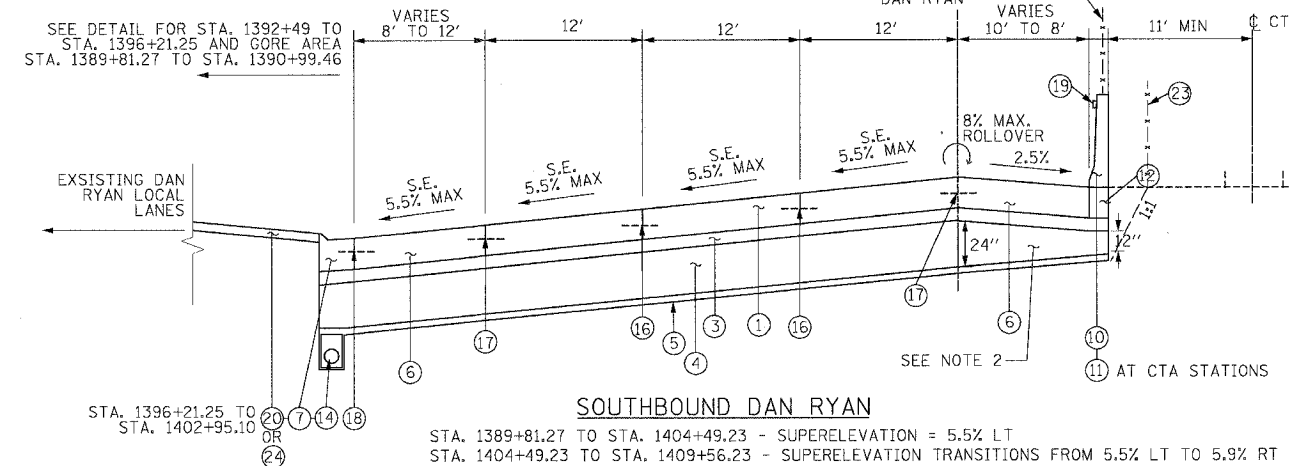
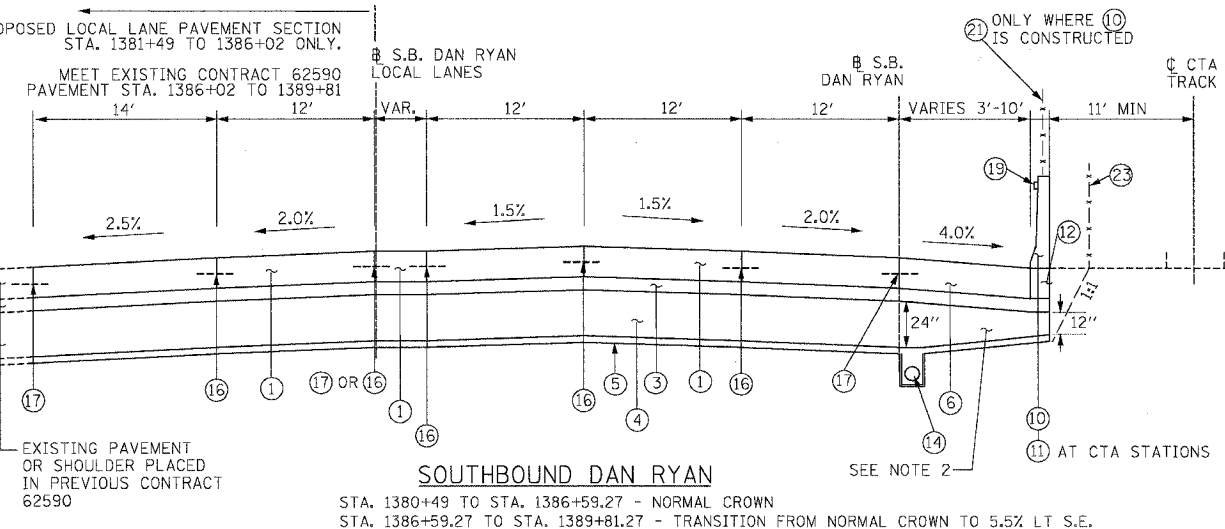
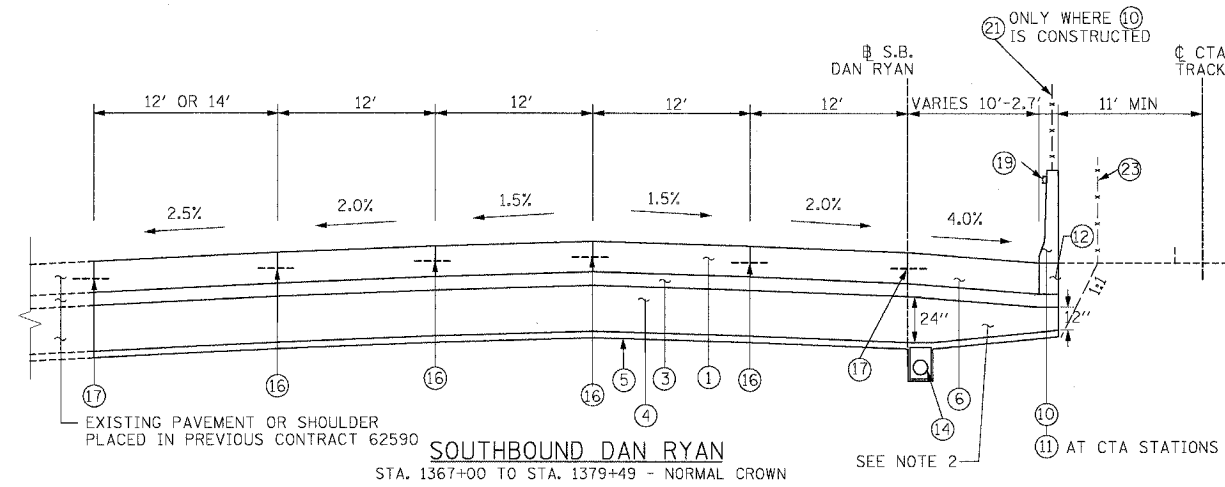
TYP-02

REVISIONS	
NAME	DATE
ADDENDUM 2	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
EXISTING TYPICAL SECTIONS  
SOUTHBOUND DAN RYAN

SCALE: NTS  
DATE: 07/07/05  
DRAWN BY: TER  
CHECKED BY: JDC

9/14/2005 9:05 AM



**BITUMINOUS MIXTURE REQUIREMENTS**

LEGEND	PAY ITEM	MIX	AC TYPE	VOIDS	RAP %
3	STABILIZED SUB-BASE 6"	SUPERPAVE IL-19.0, N50 (6" DEPTH)	PG 58-22	3% @ 50 GYR	25%
15	TEMPORARY PAVEMENT (INTERSTATE)**	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "E", N105 (1 1/4" DEPTH)	SBS 70-22	4% @ 105 GYR	0%
15	TEMPORARY PAVEMENT (INTERSTATE)**	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N105 (1 1/4" DEPTH)	PG 64-22	4% @ 105 GYR	0%
15	TEMPORARY SHOULDERS***	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N105 (4" DEPTH)	PG 64-22	4% @ 105 GYR	0%

\*\* NOTE, FOR TEMP. PAVEMENT, CONTRACTOR HAS THE OPTION OF USING 12" P.C.C. PAVEMENT IN LIEU OF BITUMINOUS PAVEMENT  
 \*\*\* TEMPORARY SHOULDERS (CONTRACTOR HAS THE OPTION OF USING 4" P.C.C. SHOULDERS IN LIEU OF BIT. SHOULDERS)

**PROPOSED LEGEND**

- ① CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 14" AND PAVEMENT REINFORCEMENT 14"
- ② EXCAVATE AND PLACE EXISTING GRANULAR MATERIAL
- ③ STABILIZED SUB-BASE - 6"
- ④ SUB-BASE GRANULAR MATERIAL, TYPE B - 24"
- ⑤ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑥ PORTLAND CEMENT CONCRETE SHOULDERS 14"
- ⑦ COMBINATION CONCRETE CURB AND CUTTER, TYPE M4-24
- ⑧ CONCRETE BARRIER, DOUBLE FACE 32"
- ⑨ CONCRETE BARRIER, SINGLE FACE 32"
- ⑩ CONCRETE BARRIER, SINGLE FACE, 42" SPECIAL
- ⑪ EXISTING BARRIER WALL MODIFICATIONS AT CTA STATIONS (SEE CIVIL DETAILS)
- ⑫ BARRIER BASE
- ⑬ TEMPORARY CONCRETE BARRIER (TYPE & LOCATION AS INDICATED ON PLANS)
- ⑭ PIPE UNDERDRAINS 6"
- ⑮ TEMPORARY PAVEMENT (INTERSTATE) / TEMPORARY SHOULDERS
- ⑯ LONGITUDINAL SAWED OR CONSTRUCTION JOINT, FOR LONGITUDINAL SAWED JOINT POUR IN PLACE NO. 6 TIE BARS 30" LONG AT 30" C-C. FOR LONGITUDINAL CONSTRUCTION JOINT, DRILL AND GROUT NO. 8 TIE BARS 24" LONG AT 24" C-C.
- ⑰ LONGITUDINAL CONSTRUCTION JOINT, DRILL AND GROUT NO. 8 TIE BARS 30" LONG AT 24" C-C.
- ⑱ LONGITUDINAL CONSTRUCTION JOINT, DRILL AND GROUT NO. 6 TIE BARS 24" LONG AT 24" C-C.
- ⑲ BARRIER WALL MARKER, TYPE C (80' C-C)
- ⑳ TOPSOIL FURNISH AND PLACE 4"; SEEDING CLASS 2A
- ㉑ CTA FENCE
- ㉒ MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR
- ㉓ CHAIN LINK FENCE 6' (SPECIAL) (USE DURING ADJACENT CONSTRUCTION)
- ㉔ CONCRETE MEDIAN SURFACE 6" (SPECIAL)
- ㉕ SUB-BASE GRANULAR MATERIAL, TYPE B - 12"

**Edwards and Kelcey**  
 ONE NORTH FRANKLIN CHICAGO, IL 60606  
 PHONE: (312) 251-3000  
 FAX: (312) 251-3015  
 WEB: WWW.EDKCORP.COM

**NOTES:**

1. ALL TIE BARS SHALL BE DEFORMED AND EPOXY COATED. TIE BARS SHALL BE INCLUDED IN THE COST OF PAVEMENT, SHOULDER, AND CURB AND GUTTER ITEMS AND WILL NOT BE PAID FOR SEPARATELY.
2. SUB-BASE GRANULAR MATERIAL DEPTH UNDERNEATH SHOULDER ADJACENT TO CTA VARIES FROM 12" UNDERNEATH BARRIER WALL TO 24" ABOVE UNDERDRAIN. THIS AND ALL OTHER VARYING DEPTH SUB-BASE GRANULAR MATERIAL WILL BE PAID FOR AS SUB-BASE GRANULAR MATERIAL, TYPE B, 24".
3. THE UNDERDRAIN WILL BE CONSTRUCTED TO PROVIDE FOR SUB-BASE DRAINAGE OF THE FUTURE LOCAL LANES. SEE PIPE UNDERDRAIN DETAILS.
4. SEE SPECIAL PROVISIONS AND EARTHWORK SCHEDULE FOR REQUIREMENTS OF 'EXCAVATE AND PLACE EXISTING GRANULAR MATERIAL'

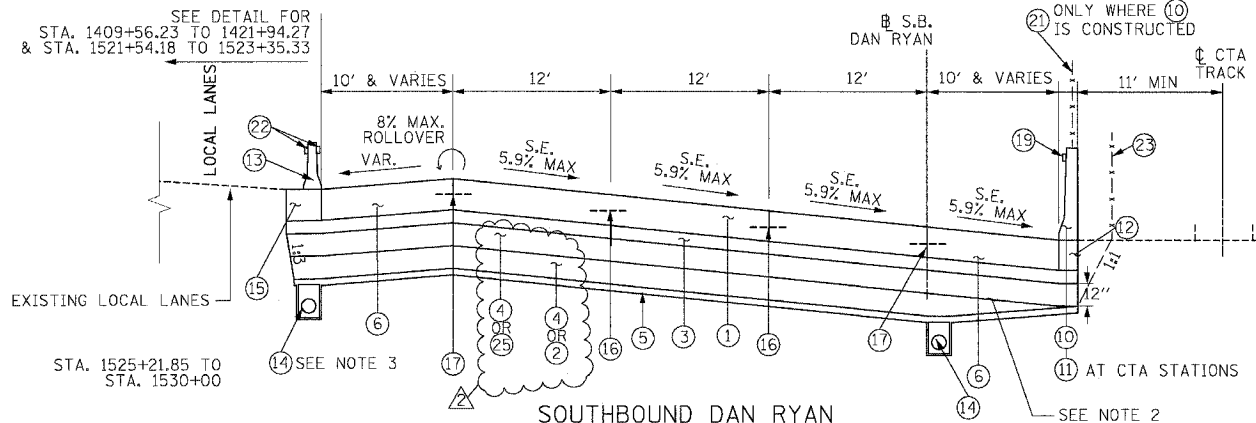
STRUCTURAL DESIGN TRAFFIC:	YEAR 2020
PV= 125,272	SU= 10,930
ROAD/STREET CLASSIFICATION:	MU= 31,949
P= 8%	S= 37%
TRAFFIC FACTOR:	M= 37%
AC GRADE:	ACTUAL TF= 264.46
SUBGRADE SUPPORT RATING:	MINIMUM TF= 12.39
	AC TYPE= N/A
	BINDER= -
	SURFACE= -
	SR= 2.00

REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

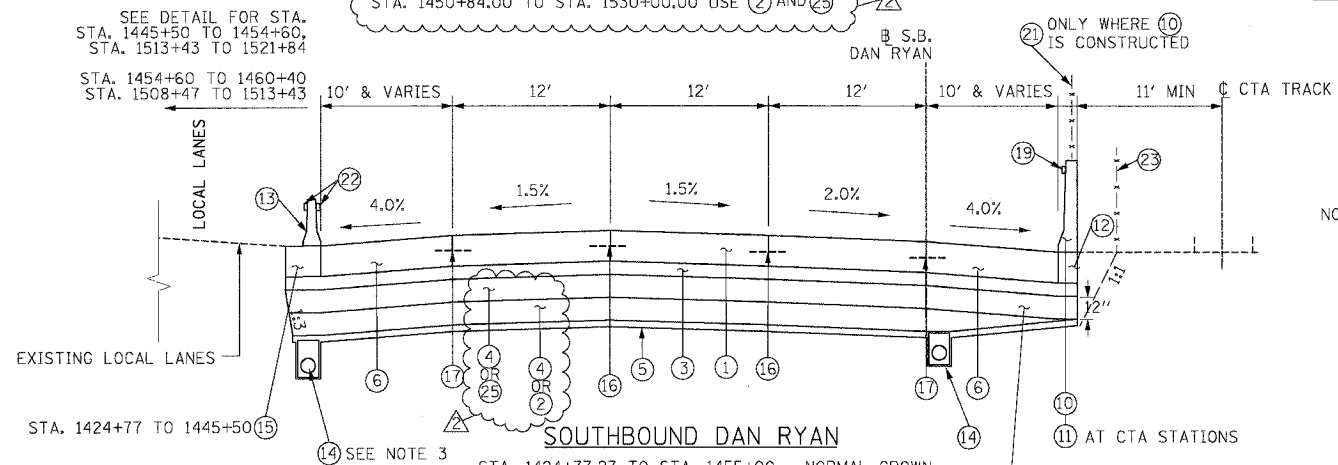
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 PROPOSED TYPICAL SECTIONS  
 SOUTHBOUND DAN RYAN

SCALE: NONE  
 DATE: 7/7/05  
 DRAWN BY: TAI  
 CHECKED BY: PJM

P:\03000\03035\Con 148\5-CADD\05\151500228.dwg 08/17/2005 10:34:00 AM

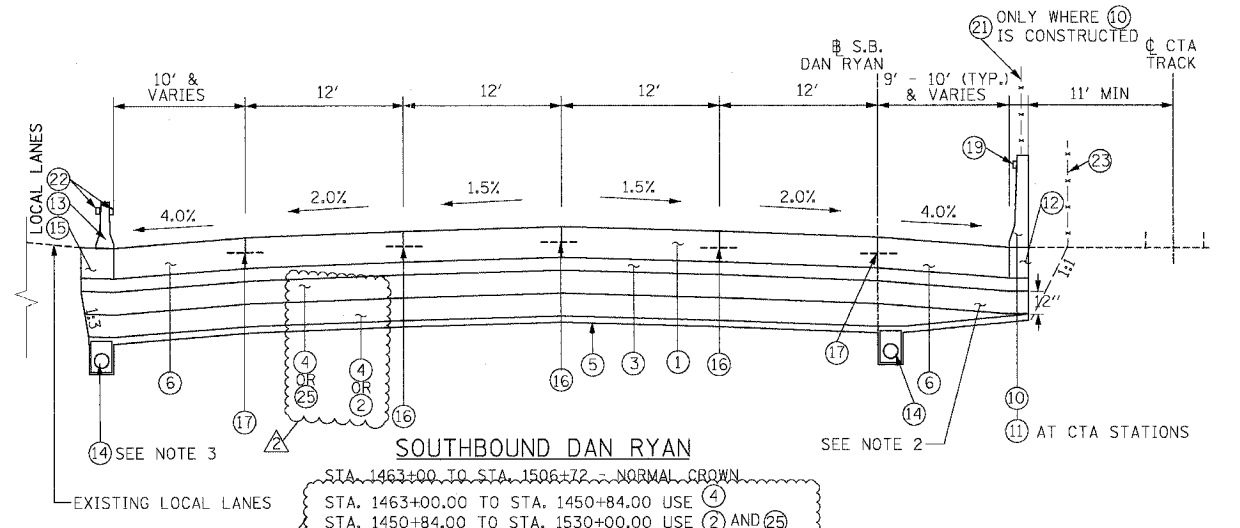
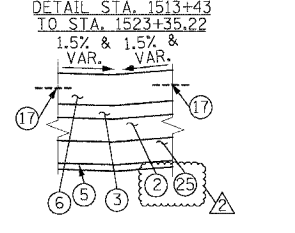
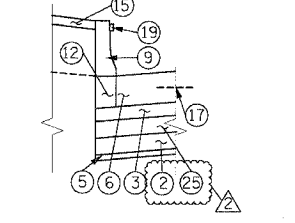
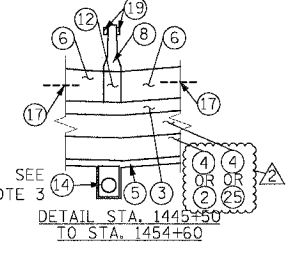
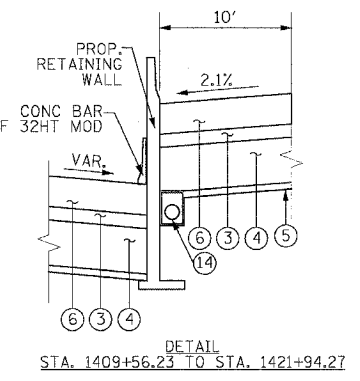
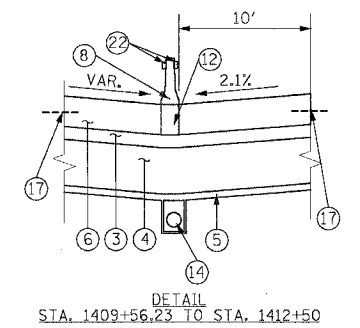


**SOUTHBOUND DAN RYAN**  
 STA. 1409+56.23 TO STA. 1421+94.27 - SUPERELEVATION = 5.9% RT  
 STA. 1421+94.27 TO STA. 1424+77.27 - TRANSITION FROM 5.9% RT S.E. TO NORMAL CROWN  
 STA. 1521+84.18 TO STA. 1525+21.85 - TRANSITION FROM NORMAL CROWN TO 5.7% RT S.E.  
 STA. 1525+21.85 TO STA. 1530+00.00 - SUPERELEVATION = 5.7% RT  
 STA. 1409+56.23 TO STA. 1450+84.00 USE (4)  
 STA. 1450+84.00 TO STA. 1530+00.00 USE (2) AND (25)

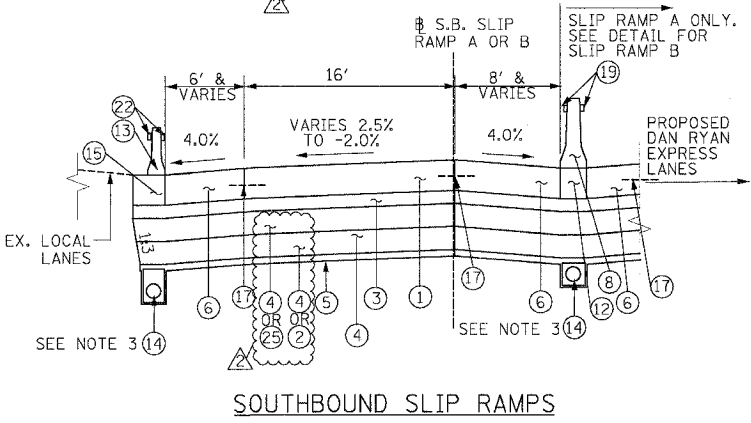


**SOUTHBOUND DAN RYAN**  
 STA. 1424+77.27 TO STA. 1455+00 - NORMAL CROWN  
 STA. 1508+47 TO STA. 1521+84.18 - NORMAL CROWN  
 STA. 1424+77.27 TO STA. 1450+84.00 USE (4)  
 STA. 1450+84.00 TO STA. 1521+84.18 USE (2) AND (25)

- PROPOSED LEGEND**
- (1) CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 14" AND PAVEMENT REINFORCEMENT 14"
  - (2) EXCAVATE AND PLACE EXISTING GRANULAR MATERIAL
  - (3) STABILIZED SUB-BASE - 6"
  - (4) SUB-BASE GRANULAR MATERIAL, TYPE B - 24"
  - (5) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
  - (6) PORTLAND CEMENT CONCRETE SHOULDERS 14"
  - (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE M4-24
  - (8) CONCRETE BARRIER, DOUBLE FACE 32"
  - (9) CONCRETE BARRIER, SINGLE FACE 32"
  - (10) CONCRETE BARRIER, SINGLE FACE, 42" SPECIAL
  - (11) EXISTING BARRIER WALL MODIFICATIONS AT CTA STATIONS (SEE CIVIL DETAILS)
  - (12) BARRIER BASE
  - (13) TEMPORARY CONCRETE BARRIER (TYPE & LOCATION AS INDICATED ON PLANS)
  - (14) PIPE UNDERDRAINS 6"
  - (15) TEMPORARY PAVEMENT (INTERSTATE) / TEMPORARY SHOULDERS
  - (16) LONGITUDINAL SAWED OR CONSTRUCTION JOINT. FOR LONGITUDINAL SAWED JOINT POUR IN PLACE NO. 6 TIE BARS 30" LONG AT 30" C-C. FOR LONGITUDINAL CONSTRUCTION JOINT, DRILL AND GROUT NO. 8 TIE BARS 24" LONG AT 24" C-C.
  - (17) LONGITUDINAL CONSTRUCTION JOINT, DRILL AND GROUT NO. 8 TIE BARS 30" LONG AT 24" C-C.
  - (18) LONGITUDINAL CONSTRUCTION JOINT, DRILL AND GROUT NO. 6 TIE BARS 24" LONG AT 24" C-C.
  - (19) BARRIER WALL MARKER, TYPE C (80" C-C)
  - (20) TOPSOIL FURNISH AND PLACE 4"; SEEDING CLASS 2A
  - (21) CTA FENCE
  - (22) MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR
  - (23) CHAIN LINK FENCE 6' (SPECIAL) (USE DURING ADJACENT CONSTRUCTION)
  - (24) CONCRETE MEDIAN SURFACE 6" (SPECIAL)
  - (25) SUB-BASE GRANULAR MATERIAL, TYPE B - 12"



**SOUTHBOUND DAN RYAN**  
 STA. 1463+00 TO STA. 1506+72 - NORMAL CROWN  
 STA. 1463+00.00 TO STA. 1450+84.00 USE (4)  
 STA. 1450+84.00 TO STA. 1530+00.00 USE (2) AND (25)



**SOUTHBOUND SLIP RAMPS**  
 SB SLIP RAMP A  
 STA. 310+40 TO STA. 312+00 - CROSS SLOPE VARIES 2.5% TO -2%  
 SB SLIP RAMP B  
 STA. 336+50 TO STA. 338+10 - CROSS SLOPE VARIES -2% TO 2.5%  
 STA. 422+20.2 TO STA. 423+83.9 - CROSS SLOPE VARIES 2.5% TO -1.77%  
 STA. 310+40.00 TO STA. 311+81.48 USE (4)  
 STA. 311+81.48 TO STA. 423+83.9 USE (2) AND (25)

1. ALL TIE BARS SHALL BE DEFORMED AND EPOXY COATED. TIE BARS SHALL BE INCLUDED IN THE COST OF PAVEMENT, SHOULDER, AND CURB AND GUTTER ITEMS AND WILL NOT BE PAID FOR SEPARATELY.
2. SUB-BASE GRANULAR MATERIAL DEPTH UNDERNEATH SHOULDER ADJACENT TO CTA VARIES FROM 12" UNDERNEATH BARRIER WALL TO 24" ABOVE UNDERDRAIN. THIS AND ALL OTHER VARYING DEPTH SUB-BASE GRANULAR MATERIAL WILL BE PAID FOR AS SUB-BASE GRANULAR MATERIAL, TYPE B, 24".
3. THE UNDERDRAIN WILL BE CONSTRUCTED TO PROVIDE FOR SUB-BASE DRAINAGE OF THE FUTURE LOCAL LANES. SEE PIPE UNDERDRAIN DETAILS.
4. SEE SPECIAL PROVISIONS AND EARTHWORK SCHEDULE FOR REQUIREMENTS OF 'EXCAVATE AND PLACE EXISTING GRANULAR MATERIAL'

REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

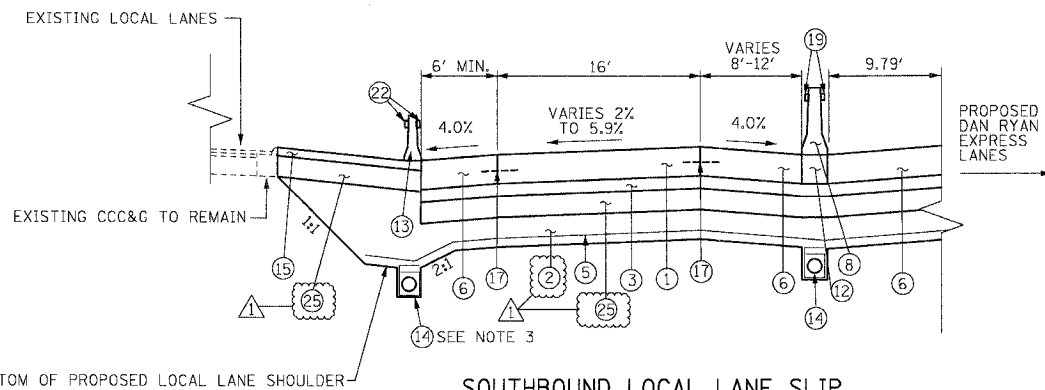
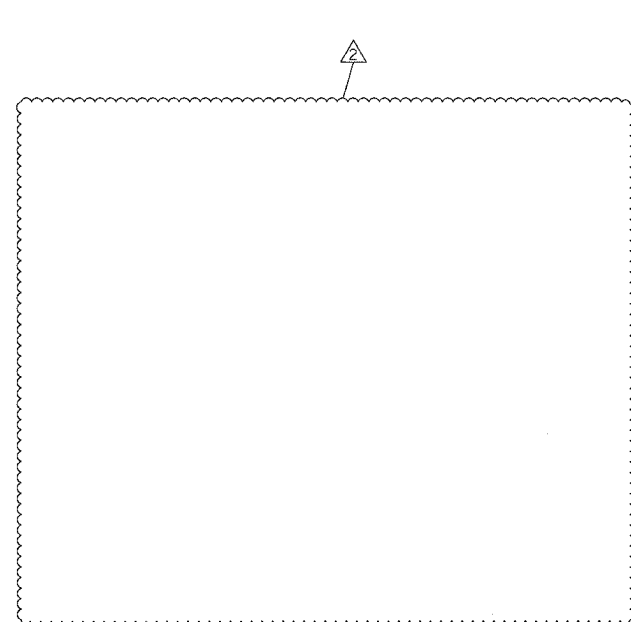
STRUCTURAL DESIGN TRAFFIC:	YEAR 2020
PV= 125,272	SU= 10,930
ROAD/STREET CLASSIFICATION:	MU= 31,949
P= 8%	S= 37%
TRAFFIC FACTOR:	CLASS 1
AC GRADE:	MINIMUM TF= 12.39
SUBGRADE SUPPORT RATING: SR= 2.00	AC TYPE= N/A
	BINDER= -
	SURFACE= -

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 PROPOSED TYPICAL SECTIONS  
 SOUTHBOUND DAN RYAN  
 SCALE: NONE  
 DATE: 7/7/05  
 DRAWN BY: TAI  
 CHECKED BY: PJM

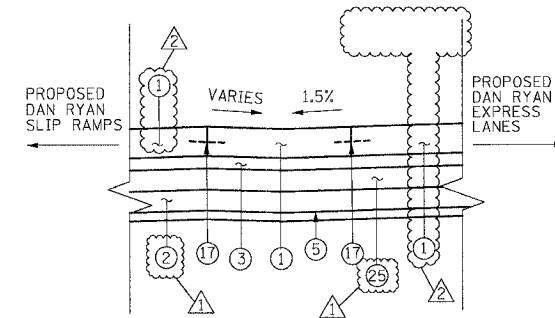


09/14/2005 02:27:40 PM  
 I:\NO3\070305\Con\48\15\CAD\DN\51520326.rvt

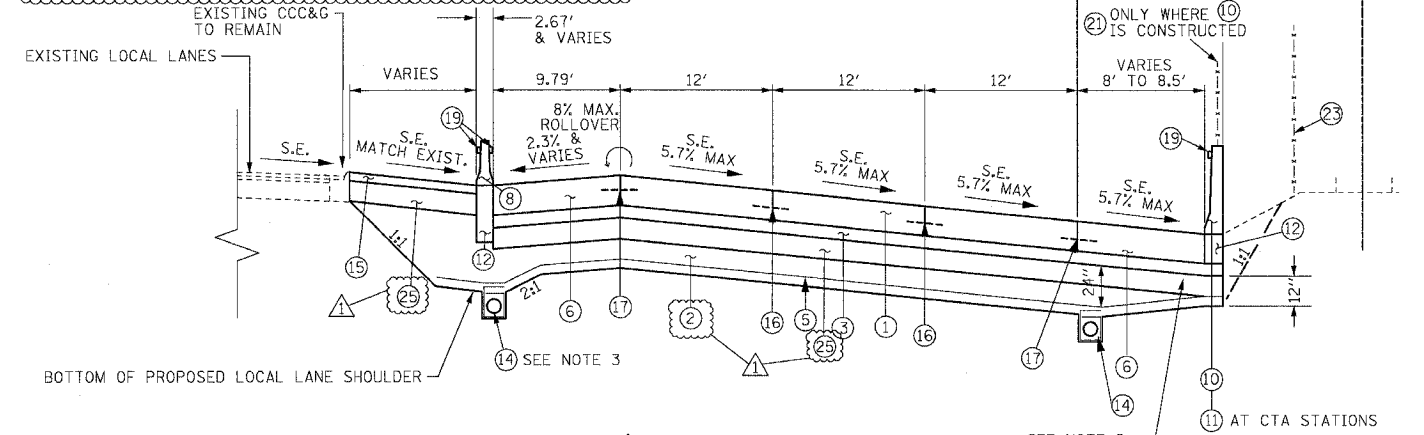
F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	598	16
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62302	*1818, ETC, 2324.6-1PR-9			



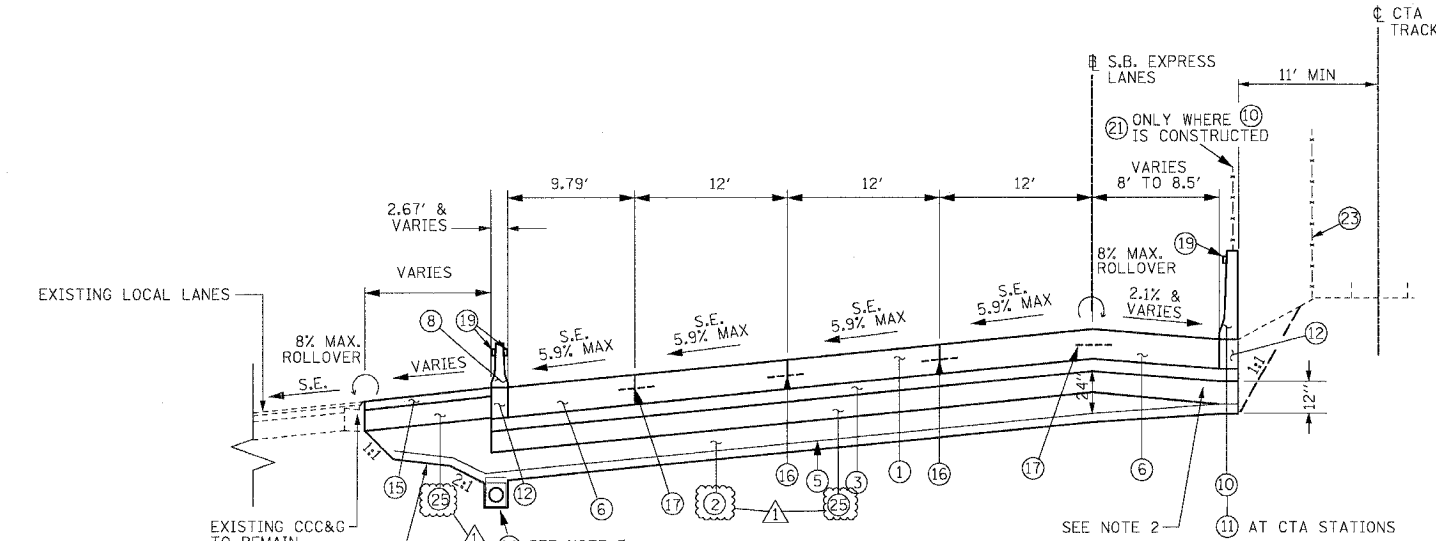
**SOUTHBOUND LOCAL LANE SLIP RAMP TO EXPRESS LANES**



**SOUTHBOUND SLIP RAMP GORES**



**SOUTHBOUND DAN RYAN**  
 STA. 1530+00 TO STA. 1531+40.60 - SUPERELEVATION = 5.7%  
 (SUPERELEVATION TRANSITION SECTION FROM STA. 1531+40.60 TO STA. 1537+03.93 IS SIMILAR)



**SOUTHBOUND DAN RYAN**  
 STA. 1537+03.93 TO STA. 1541+69.55 - SUPERELEVATION = 5.9%  
 (SUPERELEVATION TRANSITION SECTION FROM STA. 1541+69.55 TO STA. 1545+52.75 IS SIMILAR)

**PROPOSED LEGEND**

- |  |  |
|--|--|
| ① CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 14" AND PAVEMENT REINFORCEMENT 14" | ⑫ BARRIER BASE   |
| ② EXCAVATE AND PLACE EXISTING GRANULAR MATERIAL  | ⑬ TEMPORARY CONCRETE BARRIER (TYPE AND LOCATION AS SHOWN ON THE PLANS)   |
| ③ STABILIZED SUB-BASE - 6"   | ⑭ PIPE UNDERDRAINS 6"  |
| ④ SUB-BASE GRANULAR MATERIAL, TYPE B - 24" (INCLUDES 3" GRANULAR SUB-BASE CAP)                 | ⑮ TEMPORARY PAVEMENT (INTERSTATE) / TEMPORARY SHOULDERS  |
| ⑤ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION   | ⑯ LONGITUDINAL SAWED OR CONSTRUCTION JOINT, FOR LONGITUDINAL SAWED JOINT, POUR IN PLACE NO. 6 TIE BARS 30" LONG AT 30" C-C. FOR LONGITUDINAL CONSTRUCTION JOINT, DRILL AND GROUT NO. 8 TIE BARS 24" LONG AT 24" C-C. |
| ⑥ PORTLAND CEMENT CONCRETE SHOULDERS 14"   | ⑰ LONGITUDINAL CONSTRUCTION JOINT, DRILL AND GROUT NO. 8 TIE BARS 30" LONG AT 24" C-C.   |
| ⑦ COMBINATION CONCRETE CURB AND GUTTER, TYPE M4-24   | ⑱ LONGITUDINAL CONSTRUCTION JOINT, DRILL AND GROUT NO. 6 TIE BARS 24" LONG AT 24" C-C.   |
| ⑧ CONCRETE BARRIER, DOUBLE FACE 32"  | ⑲ BARRIER WALL MARKERS, TYPE C (80' C-C)   |
| ⑨ CONCRETE BARRIER, SINGLE FACE 32"  | ⑳ TOPSOIL FURNISH AND PLACE 4"; SEEDING CLASS 2A   |
| ⑩ CONCRETE BARRIER, SINGLE FACE 42" SPECIAL  | ㉑ CTA FENCE  |
| ⑪ EXISTING BARRIER WALL MODIFICATIONS AT CTA STATIONS (SEE CIVIL DETAILS)                      | ㉒ MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR  |
|  | ㉓ CHAIN LINK FENCE, 6' (SPECIAL) (USED DURING ADJACENT CONSTRUCTION)   |
|  | ㉔ CONCRETE MEDIAN SURFACE 6" (SPECIAL)   |
|  | ㉕ SUB-BASE GRANULAR MATERIAL, TYPE B - 12"   |

**NOTES:**

- ALL TIE BARS SHALL BE DEFORMED AND EPOXY COATED. TIE BARS SHALL BE INCLUDED IN THE COST OF PAVEMENT, SHOULDER, AND CURB AND GUTTER ITEMS AND WILL NOT BE PAID FOR SEPARATELY.
- THICKNESS OF EXCAVATE AND PLACE EXISTING GRANULAR MATERIAL UNDERNEATH THE SHOULDER ADJACENT TO CTA VARIES FROM 0" UNDERNEATH BARRIER TO 12" ABOVE UNDERDRAIN. THE THICKNESS OF EXCAVATE AND PLACE EXISTING GRANULAR MATERIAL AT UNDERDRAINS BETWEEN EXPRESS AND LOCAL LANES OR SLIP RAMP LANES MAY BE GREATER THAN 12" (SEE UNDERDRAIN DETAIL)
- THE UNDERDRAIN WILL BE CONSTRUCTED TO PROVIDE FOR SUB-BASE DRAINAGE OF THE FUTURE LOCAL LANES. SEE PIPE UNDERDRAIN DETAILS.
- SEE SPECIAL PROVISIONS AND EARTHWORK SCHEDULE FOR REQUIREMENTS OF 'EXCAVATE AND PLACE EXISTING GRANULAR MATERIAL'

REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

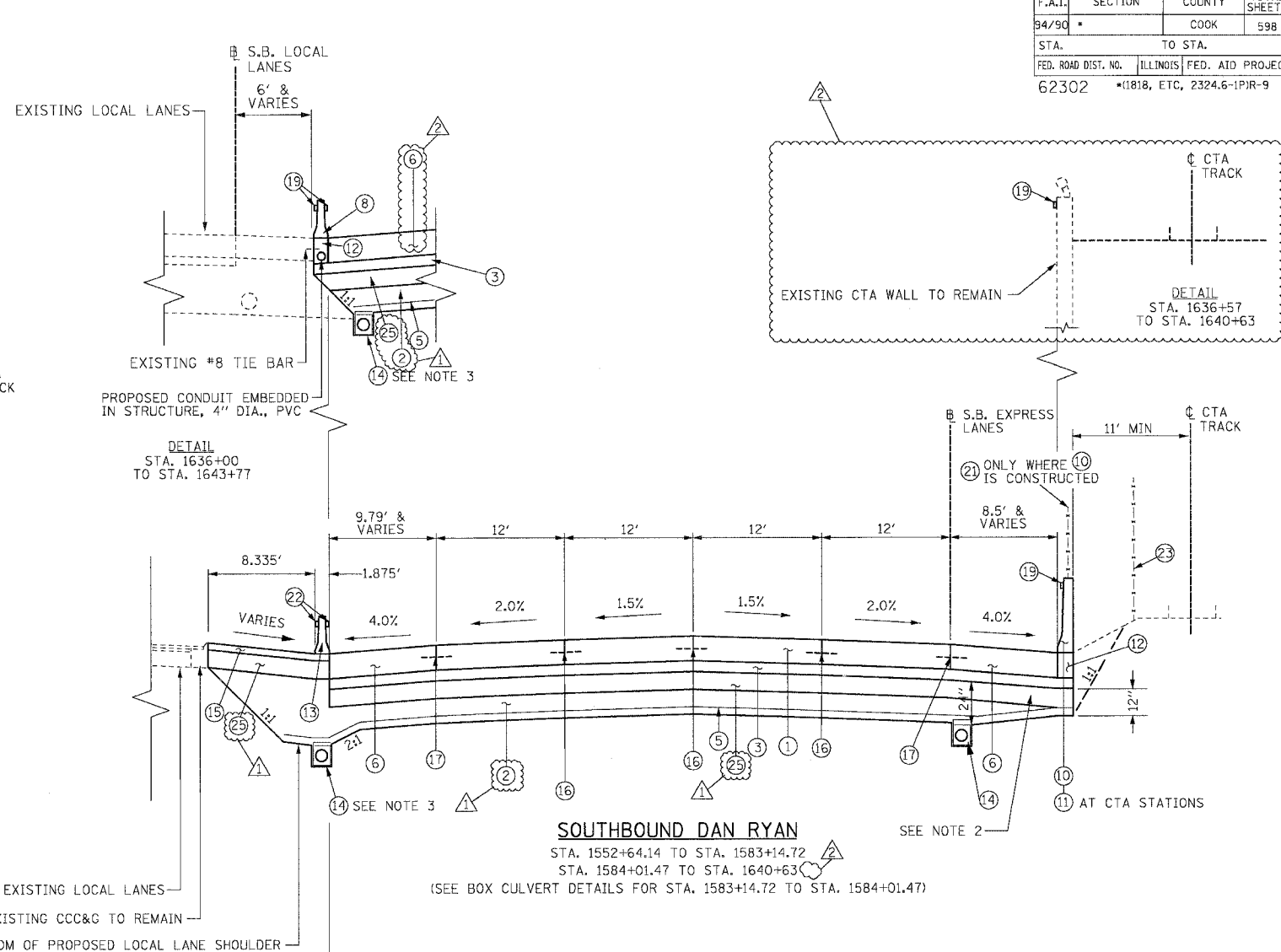
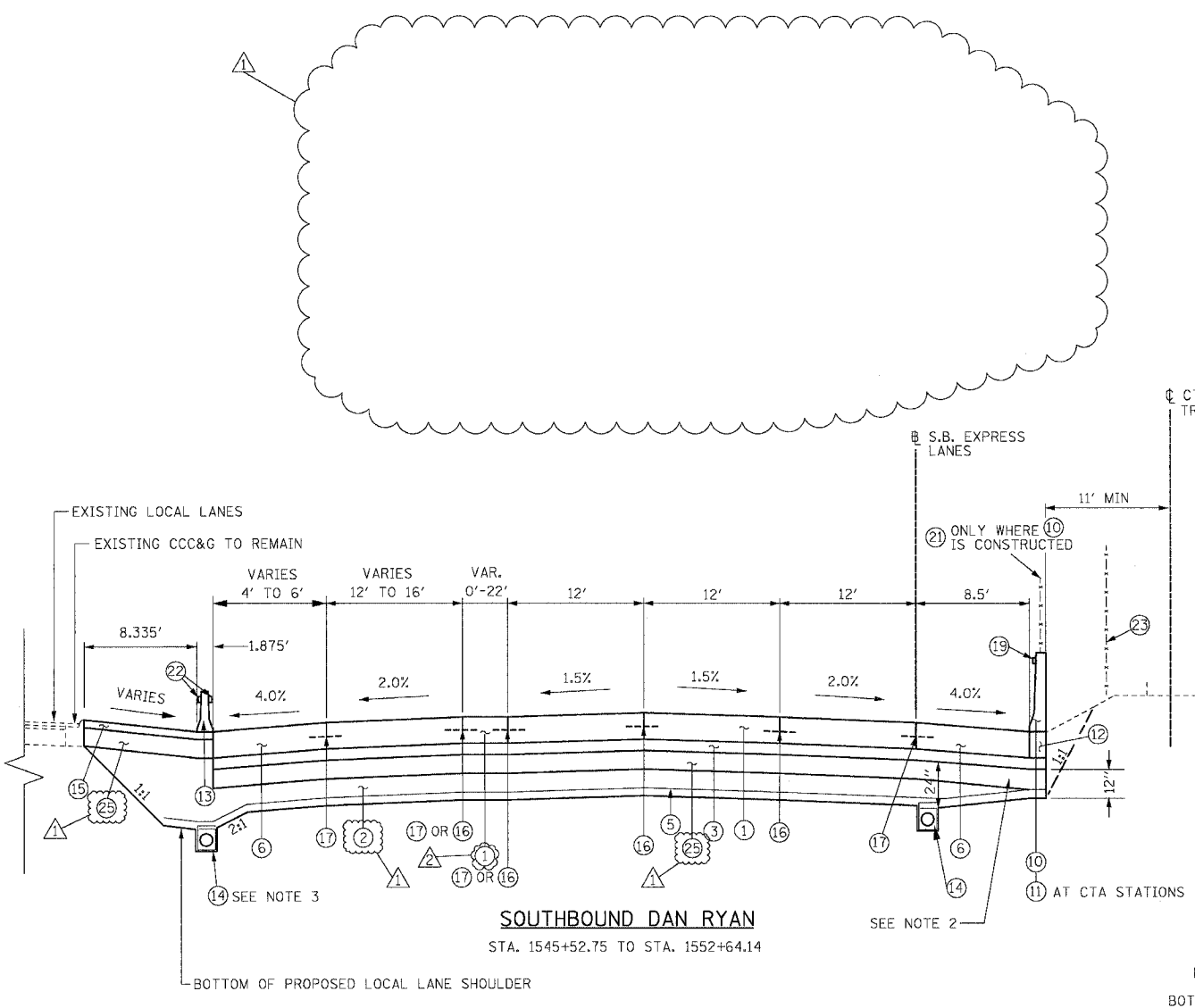
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. 94/90 (DAN RYAN EXPRESSWAY)**  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 PROPOSED TYPICAL SECTIONS  
 SOUTHBOUND DAN RYAN

SCALE: NTS  
 DATE: 07/07/05  
 DRAWN BY: TER  
 CHECKED BY: JDC

**BOWMAN, BARRETT & ASSOCIATES INC.**  
 CONSULTING ENGINEERS  
 Chicago, Illinois  
 312.228.0100  
 www.bbainc.com

16/06/25 AM 9/14/2005

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	598	17
STA.	TO STA.			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
62302		*1818, ETC, 2324.6-1PIR-9		



**PROPOSED LEGEND**

- |  |  |
|--|--|
| ① CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 14" AND PAVEMENT REINFORCEMENT 14" | ⑫ BARRIER BASE   |
| ② EXCAVATE AND PLACE EXISTING GRANULAR MATERIAL  | ⑬ TEMPORARY CONCRETE BARRIER (TYPE AND LOCATION AS SHOWN ON THE PLANS)   |
| ③ STABILIZED SUB-BASE - 6"   | ⑭ PIPE UNDERDRAINS 6"  |
| ④ SUB-BASE GRANULAR MATERIAL, TYPE B - 24" (INCLUDES 3" GRANULAR SUB-BASE CAP)                 | ⑮ TEMPORARY PAVEMENT (INTERSTATE) / TEMPORARY SHOULDERS  |
| ⑤ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION   | ⑯ LONGITUDINAL SAWED OR CONSTRUCTION JOINT. FOR LONGITUDINAL SAWED JOINT, POUR IN PLACE NO. 6 TIE BARS 30" LONG AT 30" C-C. FOR LONGITUDINAL CONSTRUCTION JOINT, DRILL AND GROUT NO. 8 TIE BARS 24" LONG AT 24" C-C. |
| ⑥ PORTLAND CEMENT CONCRETE SHOULDERS 14"   | ⑰ LONGITUDINAL CONSTRUCTION JOINT. DRILL AND GROUT NO. 8 TIE BARS 30" LONG AT 24" C-C.   |
| ⑦ COMBINATION CONCRETE CURB AND GUTTER, TYPE M4-24   | ⑱ LONGITUDINAL CONSTRUCTION JOINT. DRILL AND GROUT NO. 6 TIE BARS 24" LONG AT 24" C-C.   |
| ⑧ CONCRETE BARRIER, DOUBLE FACE 32"  | ⑲ BARRIER WALL MARKERS, TYPE C (80' C-C)   |
| ⑨ CONCRETE BARRIER, SINGLE FACE 32"  | ⑳ TOPSOIL FURNISH AND PLACE 4"; SEEDING CLASS 2A   |
| ⑩ CONCRETE BARRIER, SINGLE FACE 42" SPECIAL  | ㉑ CTA FENCE  |
| ⑪ EXISTING BARRIER WALL MODIFICATIONS AT CTA STATIONS (SEE CIVIL DETAILS)                      | ㉒ MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR  |
|  | ㉓ CHAIN LINK FENCE, 6' (SPECIAL) (USED DURING ADJACENT CONSTRUCTION)   |
|  | ㉔ CONCRETE MEDIAN SURFACE 6" (SPECIAL)   |
|  | ㉕ SUB-BASE GRANULAR MATERIAL, TYPE B - 12"   |

**BOWMAN, BARRETT & ASSOCIATES INC.**  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com

**NOTES:**

- ALL TIE BARS SHALL BE DEFORMED AND EPOXY COATED. TIE BARS SHALL BE INCLUDED IN THE COST OF PAVEMENT, SHOULDER, AND CURB AND GUTTER ITEMS AND WILL NOT BE PAID FOR SEPARATELY.
- THICKNESS OF EXCAVATE AND PLACE EXISTING GRANULAR MATERIAL UNDERNEATH THE SHOULDER ADJACENT TO CTA VARIES FROM 0" UNDERNEATH BARRIER TO 12" ABOVE UNDERDRAIN. THE THICKNESS OF EXCAVATE AND PLACE EXISTING GRANULAR MATERIAL AT UNDERDRAINS BETWEEN EXPRESS AND LOCAL LANES OR SLIP RAMP LANES MAY BE GREATER THAN 12" (SEE UNDERDRAIN DETAIL)
- THE UNDERDRAIN WILL BE CONSTRUCTED TO PROVIDE FOR SUB-BASE DRAINAGE OF THE FUTURE LOCAL LANES. SEE PIPE UNDERDRAIN DETAILS.
- SEE SPECIAL PROVISIONS AND EARTHWORK SCHEDULE FOR REQUIREMENTS OF 'EXCAVATE AND PLACE EXISTING GRANULAR MATERIAL'

REVISIONS		
NAME	DATE	
ADDENDUM 1	8/12/05	
ADDENDUM 2	9/16/05	

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
PROPOSED TYPICAL SECTIONS  
SOUTHBOUND DAN RYAN

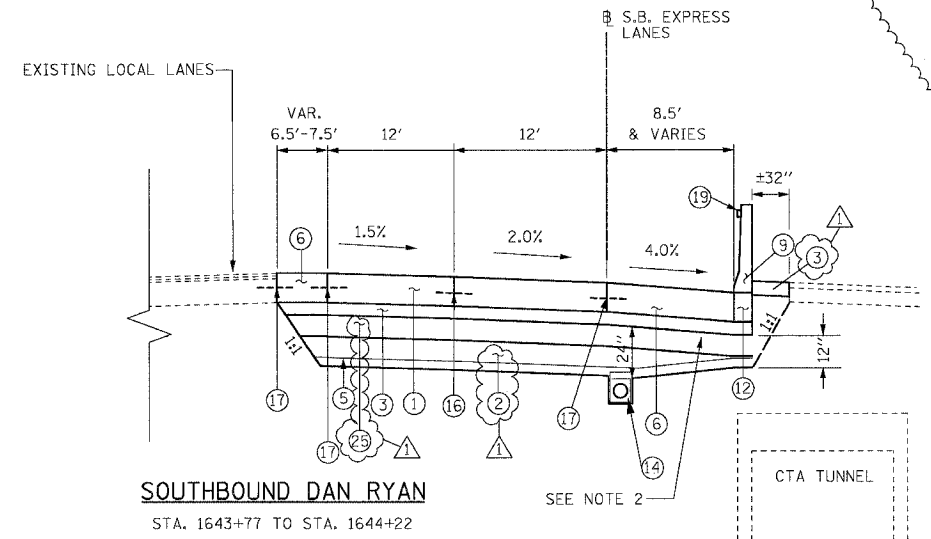
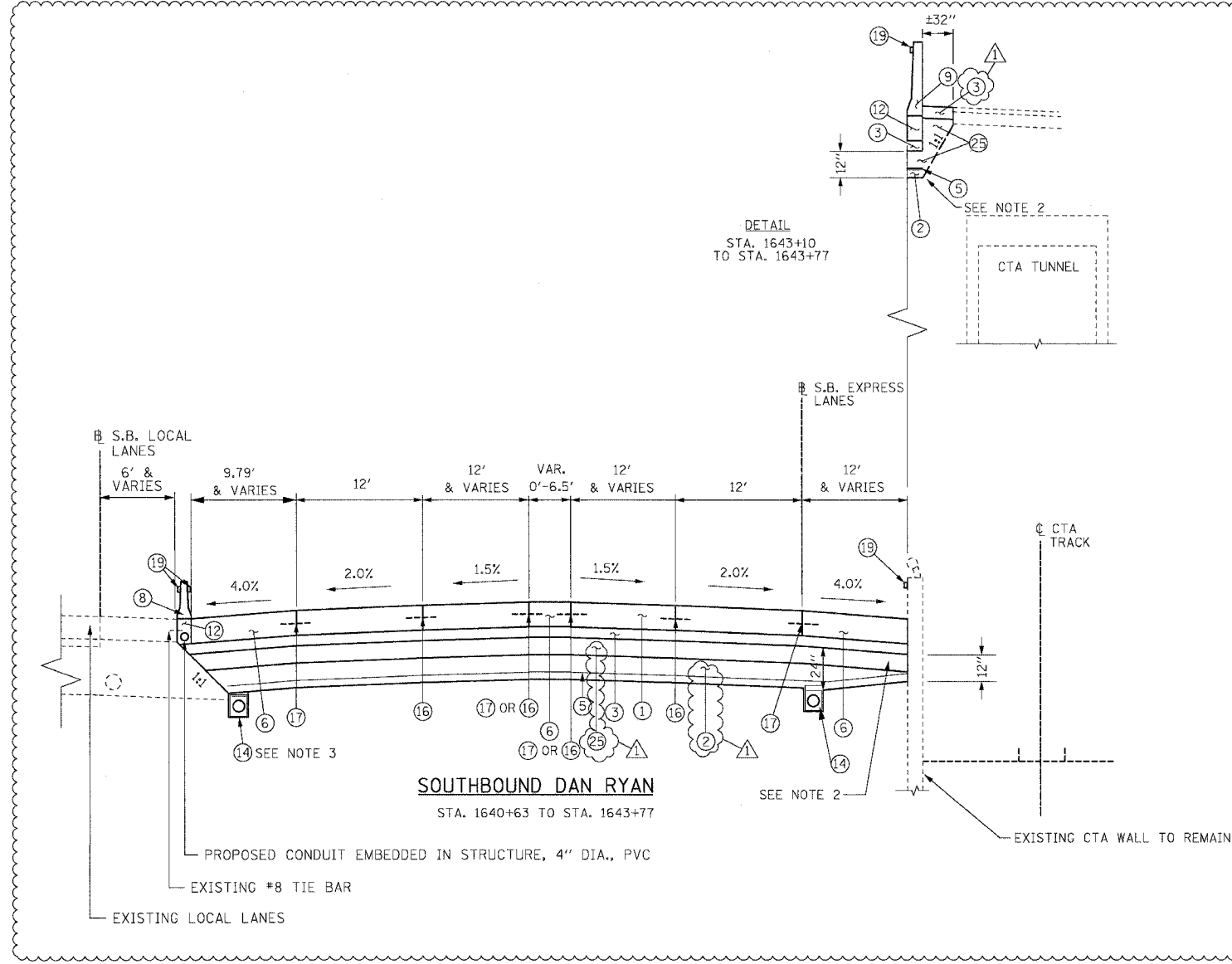
SCALE: NTS  
DATE: 07/07/05

DRAWN BY: TER  
CHECKED BY: JDC

TYP-06

9/14/2005 06/07/AD AM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	598	18
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62302	*(1818, ETC, 2324.6-1PR-9			



**PROPOSED LEGEND**

- |  |  |
|--|--|
| ① CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 14" AND PAVEMENT REINFORCEMENT 14" | ⑫ BARRIER BASE   |
| ② EXCAVATE AND PLACE EXISTING GRANULAR MATERIAL  | ⑬ TEMPORARY CONCRETE BARRIER (TYPE AND LOCATION AS SHOWN ON THE PLANS)   |
| ③ STABILIZED SUB-BASE - 6"   | ⑭ PIPE UNDERDRAINS 6"  |
| ④ SUB-BASE GRANULAR MATERIAL, TYPE B - 24" (INCLUDES 3" GRANULAR SUB-BASE CAP)                 | ⑮ TEMPORARY PAVEMENT (INTERSTATE) / TEMPORARY SHOULDERS  |
| ⑤ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION   | ⑯ LONGITUDINAL SAWED OR CONSTRUCTION JOINT. FOR LONGITUDINAL SAWED JOINT, POUR IN PLACE NO. 6 TIE BARS 30" LONG AT 30" C-C. FOR LONGITUDINAL CONSTRUCTION JOINT, DRILL AND GROUT NO. 8 TIE BARS 24" LONG AT 24" C-C. |
| ⑥ PORTLAND CEMENT CONCRETE SHOULDERS 14"   | ⑰ LONGITUDINAL CONSTRUCTION JOINT. DRILL AND GROUT NO. 8 TIE BARS 30" LONG AT 24" C-C.   |
| ⑦ COMBINATION CONCRETE CURB AND GUTTER, TYPE M4-24   | ⑱ LONGITUDINAL CONSTRUCTION JOINT. DRILL AND GROUT NO. 6 TIE BARS 24" LONG AT 24" C-C.   |
| ⑧ CONCRETE BARRIER, DOUBLE FACE 32"  | ⑲ BARRIER WALL MARKERS, TYPE C (80' C-C)   |
| ⑨ CONCRETE BARRIER, SINGLE FACE 32"  | ⑳ TOPSOIL FURNISH AND PLACE 4" SEEDING CLASS 2A  |
| ⑩ CONCRETE BARRIER, SINGLE FACE 42" SPECIAL  | ㉑ CTA FENCE  |
| ⑪ EXISTING BARRIER WALL MODIFICATIONS AT CTA STATIONS (SEE CIVIL DETAILS)                      | ㉒ MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR  |
|  | ㉓ CHAIN LINK FENCE, 6' (SPECIAL) (USED DURING ADJACENT CONSTRUCTION)   |
|  | ㉔ CONCRETE MEDIAN SURFACE 6" (SPECIAL)   |
|  | ㉕ SUB-BASE GRANULAR MATERIAL, TYPE B - 12"   |

**NOTES:**

- ALL TIE BARS SHALL BE DEFORMED AND EPOXY COATED. TIE BARS SHALL BE INCLUDED IN THE COST OF PAVEMENT, SHOULDER, AND CURB AND GUTTER ITEMS AND WILL NOT BE PAID FOR SEPARATELY.
- THICKNESS OF EXCAVATE AND PLACE EXISTING GRANULAR MATERIAL UNDERNEATH THE SHOULDER ADJACENT TO CTA VARIES FROM 0" UNDERNEATH BARRIER TO 12" ABOVE UNDERDRAIN. THE THICKNESS OF EXCAVATE AND PLACE EXISTING GRANULAR MATERIAL AT UNDERDRAINS BETWEEN EXPRESS AND LOCAL LANES OR SLIP RAMP LANES MAY BE GREATER THAN 12" (SEE UNDERDRAIN DETAIL)
- THE UNDERDRAIN WILL BE CONSTRUCTED TO PROVIDE FOR SUB-BASE DRAINAGE OF THE FUTURE LOCAL LANES. SEE PIPE UNDERDRAIN DETAILS.
- SEE SPECIAL PROVISIONS AND EARTHWORK SCHEDULE FOR REQUIREMENTS OF 'EXCAVATE AND PLACE EXISTING GRANULAR MATERIAL'

REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. 94/90 (DAN RYAN EXPRESSWAY)**  
**31ST STREET TO 71ST STREET**  
**SB EXPRESS LANE RECONSTRUCTION**  
**PROPOSED TYPICAL SECTIONS**  
**SOUTHBOUND DAN RYAN**

SCALE: NTS  
DATE: 07/07/05

DRAWN BY: TER  
CHECKED BY: JDC

**BOWMAN, BARRETT & ASSOCIATES INC.**  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com

TYP-07

9/14/2005



62302

PAVEMENT, SHOULDERS, AND MEDIANS

STATION	TO STATION	CONT REINF PCC PVT 14 (SQ YD)	PAVT REINF (SQ YD)	PCC SHOULDERS 14 (SQ YD)	TEMP PAVEMENT (INTERSTATE) (SQ YD)	TEMP SHOULDERS (SQ YD)	STAB SUB- BASE 6 (SQ YD)	SUB GRAN MAT B 24 (SQ YD)	SUB GRAN MAT B 12 (SQ YD)	GEOTECH FAB F/GR STAB (SQ YD)	CONC MEDIAN SURF 6 SP (SQ YD)	PROTECTIVE COAT (SQ YD)	BIT SHLD SUPER 6 (SQ YD)
1367+00	1382+00	10242	10242	1235	51		11751	11751		11751	218	11528	
1382+00	1397+00	8536	8536	2559			11436	11436		11436	13800	11095	36
1397+00	1412+00	6000	6000	3485			10077	10077		10077		9489	
1412+00	1427+00	6000	6000	4234	219		10816	10816		10816		10453	
1427+00	1442+00	6000	6000	3360	569		8520	8520		8520		8259	
1442+00	1457+00	8356	8356	4568	1448		7074	7074	5035	11989		11474	
1457+00	1472+00	8547	8547	2964	712				14085	14085		13827	
1472+00	1487+00	8000	8000	3219	788				11874	11874		11752	
1487+00	1502+00	8000	8000	3181	828				12261	12261		12009	
1502+00	1517+00	10419	10419	3260	2096				16182	16182	2471	15775	
1517+00	1530+00	5771	5771	2850	1892				10922	10922	4071	10513	
1530+00	1542+00	5074	5074	2953	254	1593	8239		10262	9943		8027	
1542+00	1554+00	8171	8171	2410		1274	10779		12068	11563		10581	
1554+00	1566+00	6400	6400	2463		1042	9038		10103	9738		8863	
1566+00	1578+00	6400	6400	2439	381	627	8985		10030	9631		8839	
1578+00	1590+00	5937	5937	2262	211	777	8362		9372	9035		8199	
1590+00	1602+00	6400	6400	2439		1112	9039		10159	9759		8839	
1602+00	1614+00	6400	6400	2289	406	620	8795		9838	9515		8689	
1614+00	1626+00	6400	6400	2146	743	308	8557		9625	9238		8546	
1626+00	1638+00	6400	6400	2583	120	360	9204		9698	9629		8983	
1638+00	1644+22	3215	3215	1470			4856	4856	4856	4856		4685	
TOTAL		146669	146669	58370	10717	7712	215767	59674	166371	222820	20560	210425	36

PAVEMENT AND SHOULDER REMOVAL

STATION	TO STATION	PAVEMENT REM (SQ YD)	PAVED SHLD REMOVAL (SQ YD)	APPROACH SLAB REM (SQ YD)
1367+00	1382+00	9680	1500	
1382+00	1397+00	13889	1500	
1397+00	1412+00	8605	1672	
1412+00	1427+00	8642	1886	
1427+00	1442+00	6330	3311	
1442+00	1457+00	10038	4037	
1457+00	1472+00	8475	3333	
1472+00	1487+00	8485	3061	
1487+00	1502+00	8429	3333	
1502+00	1517+00	10115	4163	
1517+00	1530+00	6449	4233	
1530+00	1542+00	6267	3392	
1542+00	1554+00	7884	3532	
1554+00	1566+00	6400	3190	
1566+00	1578+00	6400	3189	
1578+00	1590+00	6036	3076	219
1590+00	1602+00	6400	3160	
1602+00	1614+00	6400	3105	
1614+00	1626+00	6400	3090	
1626+00	1638+00	6400	2925	
1638+00	1644+22	3317	1537	
TOTAL		161041	62228	219

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com

REVISIONS	
NAME	DATE
ADDENDUM 1	08/12/05
ADDENDUM 2	09/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
ROADWAY SCHEDULES

SCALE: 1"=N.T.S.  
DATE: 07/07/05

DRAWN BY: RR  
CHECKED BY: JDC

RSCH-01

9/15/2005 2:16:01 PM

CONCRETE BARRIER WALL, COMBINATION CONCRETE CURB AND GUTTER, AND CTA FENCE

STATION	TO STATION	CONC BAR 1F 32HT (FOOT)	CONC BAR 1F 42HT SPL (FOOT)	CTA FENCE (FOOT)	CONC BAR 1F 72HT SPL (FOOT)	CONC BAR 1F 32HT MOD (FOOT)	CONC BAR 2F 32HT (FOOT)	CONC BAR TRANS (FOOT)	BARRIER BASE (FOOT)	BARRIER WALL MARKERS (EACH)	COMB CC&G TM4.24 (FOOT)	CTA GATE (EACH)	PROTECTIVE COAT (SQ YD)
1367+00	1382+00	0	1327	1362	0	0	0	15	1342	17	0	1	1116
1382+00	1397+00	372	1339	1369	36	0	0	30	1777	22	79	1	1445
1397+00	1412+00	638	1377	1407	0	0	78	76	2169	28	595	0	1862
1412+00	1427+00	0	1387	1417	0	815	23	115	2340	30	0	1	1792
1427+00	1442+00	0	1420	1435	0	0	0	83	1503	19	0	2	1236
1442+00	1457+00	0	1326	1386	0	0	762	225	2313	39	0	0	1902
1457+00	1472+00	0	1410	1440	0	0	0	78	1488	19	0	2	1223
1472+00	1487+00	0	377	471	25	0	0	153	555	8	0	1	470
1487+00	1502+00	0	1456	1456	20	0	0	15	1491	19	0	2	1240
1502+00	1517+00	705	1429	1444	0	0	0	42	2176	27	0	2	1675
1517+00	1530+00	958	1126	1137	0	0	0	30	2182	28	0	2	1583
1530+00	1542+00		383	384			1038	40	1462	42			1012
1542+00	1554+00		1137	1125	42			47	1226	15		1	604
1554+00	1566+00		1050	1083				75	1125	15		1	525
1566+00	1578+00		877	938				119	996	15		1	438
1578+00	1590+00		976	1068				74	1050	15		2	488
1590+00	1602+00		1200	1175				28	1228	15		2	600
1602+00	1614+00		636	651				55	691	15			318
1614+00	1626+00		63	50				29	91	15		1	56
1626+00	1638+00		916	921	43		198	45	1202	20		2	648
1638+00	1644+22						578	0	578	22			451
TOTAL		2672	21211	21718	166	815	2676	1374	28985	445	674	24	20682

BARRIER AND CURB REMOVAL

STATION	TO STATION	CONC BARRIER REMOV (FOOT)	CTA BARRIER REMOV (FOOT)	COMB CURB GUTTER REM (FOOT)
1367+00	1382+00	0	1316	0
1382+00	1397+00	0	1404	435
1397+00	1412+00	336	1406	1065
1412+00	1427+00	997	1410	0
1427+00	1442+00	1353	1435	0
1442+00	1457+00	2329	1386	958
1457+00	1472+00	1441	1440	0
1472+00	1487+00	1381	495	0
1487+00	1502+00	1461	1440	0
1502+00	1517+00	2214	1444	222
1517+00	1530+00	1847	1137	607
1530+00	1542+00	1200	406	1175
1542+00	1554+00	1228	1200	1674
1554+00	1566+00	1097	1095	177
1566+00	1578+00	1069	1080	
1578+00	1590+00	1112	1114	
1590+00	1602+00	1200	1200	
1602+00	1614+00	1124	673	
1614+00	1626+00	1143	172	
1626+00	1638+00	1099	986	
1638+00	1644+22	689		
TOTAL		24320	22239	6313

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbdaainc.com

REVISIONS	
NAME	DATE
ADDENDUM 1	08/12/05
ADDENDUM 2	09/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
ROADWAY SCHEDULES  
SCALE: 1"=N.T.S.  
DATE: 07/07/05  
DRAWN BY: RR  
CHECKED BY: JDC

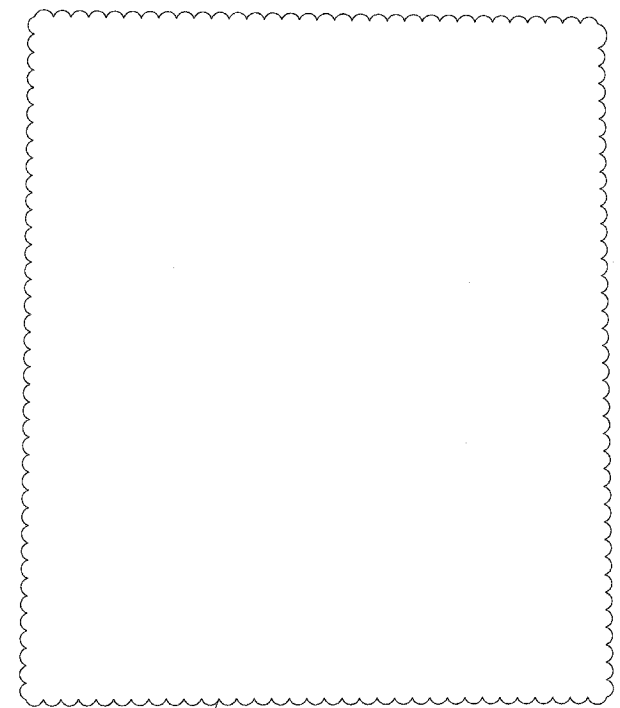
RSCH-02

9/15/2005 2:06:07 PM

SHEET NUMBER	LINE DESCRIPTION	STATION	TO STATION	MARKING , TYPE III 5" (FOOT)
STAGE IA MOT-4	30'S - 10'D (W)	1363+37 1363+37 1367+00 1367+00	1367+00 1367+00 1382+00 1382+00	91 91 375 375
MOT-5	30'S - 10'D (W)	3382+00 3382+00 3396+74 3396+74 3400+33 3400+33 3400+33 3404+59	3396+74 3396+74 3400+33 3400+33 3411+46 3411+46 3405+69	369 369 90 90 278 278 28
STAGE IB MOT-6	30'S - 10'D (W)	1362+16	1367+00	121
STAGE IC MOT-8	30'S - 10'D (W)	1362+29 1362+29 1367+00 1367+00	1367+00 1367+00 1371+24 1382+00	118 118 106 375
MOT-9	30'S - 10'D (W)	3382+01 3391+75	3393+89 3393+89	297 54
STAGE ID MOT-10	30'S - 10'D (W)	1367+00 1367+00	1382+00 1382+00	375 375
MOT-11	30'S - 10'D (W)	3382+00 3382+00	3391+45 3391+45	236 236
STAGE I MOT-12	30'S - 10'D (W)	3411+46 3411+46 3426+94 3426+94	3426+94 3426+94 3441+95 3441+95	387 387 375 375
MOT-13	30'S - 10'D (W)	3441+95 3441+95 3456+94 3456+94	3456+94 3456+94 3471+94 3471+94	375 375 375 375
MOT-14	30'S - 10'D (W)	3471+94 3471+94 3486+94 3486+94	3486+94 3486+94 3501+92 3501+92	375 375 375 375
MOT-15	30'S - 10'D (W)	3501+92 3501+92 3516+92 3516+92 3516+92	3516+92 3516+92 3530+16 3530+16	375 375 331 331 331
STAGE 2 MOT-22	30'S - 10'D (W)	3421+90 3427+00	3427+00 3442+00	128 375
MOT-25	30'S - 10'D (W)	3442+00	3443+92	48
STAGE 1 MOT-16	30'S - 10'D (W)	3530+00	3553+90	1,195
MOT-17	30'S - 10'D (W)	3553+90	3577+90	1,200
MOT-18	30'S - 10'D (W)	3577+90	3601+90	1,200
MOT-19	30'S - 10'D (W)	3601+90	3625+90	1,200
MOT-20	30'S - 10'D (W)	3625+90	3635+95	503
STAGE 2 MOT-26	30'S - 10'D (W)	3530+00	3536+03	151
TOTAL				16,776

SHEET NUMBER	LINE DESCRIPTION	STATION	TO STATION	PAVEMENT MARKING , TYPE III 8" (FOOT)
STAGE IA MOT-4	☉ GORES	1363+37 1363+37	1369+46 1369+46	609 609
MOT-5	☉ GORES	3388+77 3388+77 3406+92 3406+92	3390+70 3390+70 3411+37 3411+37	193 193 445 445
STAGE IB MOT-6	☉ GORES	1363+16 1363+16	1367+00 1367+00	384 384
MOT-7	☉ GORES	3388+77 3388+77	3393+50 3393+50	473 473
STAGE IC MOT-8	☉ GORES	1371+24 1371+24	1377+45 1377+45	621 621
MOT-9	☉ GORES	3388+86 3388+86	3391+75 3391+75	289 289
STAGE ID MOT-10	☉ GORES	1371+75 1371+75	1377+45 1377+45	570 570
MOT-11	☉ GORES	3388+77 3388+77	3390+70 3390+70	193 193
STAGE I MOT-12	☉ GORES	3430+78 3430+78 3436+02 3436+02	3432+79 3432+79 3437+83 3437+83	201 201 181 181
MOT-13	☉ GORES	3461+30 3461+30	3463+03 3463+03	173 173
MOT-14	☉ GORES	3486+89 3486+89	3490+70 3490+70	381 381
MOT-15	☉ GORES	3515+18 3515+18	3516+08 3516+08	90 90
STAGE II MOT-22	☉ GORES	3411+36 3443+92	3415+37 3449+26	401 534
MOT-25	☉ GORES	3515+41 3515+41 3516+92 3516+92 3525+17 3525+17	3516+92 3516+92 3522+17 3522+17 3525+17 3530+16	151 151 525 525 825 125
MOT-16	SOLID (W) ☉ GORE SOLID (W) ☉ GORE	3540+64 3547+61	3543+87 3548+41	516 80
MOT-17	SOLID (W) ☉ GORE SOLID (W) ☉ GORE	3561+47 3570+89	3565+49 3571+96	402 107
MOT-18	SOLID (W) ☉ GORE	3587+82	3591+17	335
MOT-19	SOLID (W) ☉ GORE SOLID (W) ☉ GORE SOLID (W) ☉ GORE	3605+95 3619+00 3624+78	3607+43 3620+78 3625+71	148 178 186
STAGE 2 MOT-26	SOLID (W) ☉ MERGE	0722+00	0726+55	1,365
MOT-27	SOLID (W) ☉ BREAK SOLID (W) SOLID (W) ☉ MERGE	3626+57 3630+03 3637+15	3630+03 3637+15 3640+00	692 712 285
TOTAL				17,324

SHEET NUMBER	LINE DESCRIPTION	STATION	TO STATION	PAVEMENT MARKING , TYPE III 12" (FOOT)
STAGE IA MOT-4	☉ GORE (DIAGONAL)	1363+37	1369+46	410
MOT-5	☉ GORE (DIAGONAL)	3388+77 3406+92	3390+70 3411+37	100 196
STAGE IB MOT-6	☉ GORE (DIAGONAL)	1363+16	1367+00	143
MOT-7	☉ GORE (DIAGONAL)	3388+77	3388+77	205
STAGE IC MOT-8	☉ GORE (DIAGONAL)	1371+24	1377+45	147
MOT-9	☉ GORE (DIAGONAL)	3388+86	3391+75	58
STAGE ID MOT-10	☉ GORE (DIAGONAL)	1371+75	1377+45	618
MOT-11	☉ GORE (DIAGONAL)	3388+77	3390+70	99
STAGE I MOT-12	☉ GORE (DIAGONAL)	3430+78 3436+02	3432+79 3437+83	100 77
MOT-13	☉ GORE (DIAGONAL)	3461+30	3463+03	42
MOT-14	☉ GORE (DIAGONAL)	1486+89	1490+76	119
MOT-22	☉ GORE (DIAGONAL) ☉ SHLDR. (DIAGONAL)	3443+92 1411+50	3449+26 1442+00	337 36
MOT-23	☉ SHLDR. (DIAGONAL)	1442+00	1472+00	123
MOT-24	☉ SHLDR. (DIAGONAL)	1472+00	1502+00	140
MOT-25	☉ GORE (DIAGONAL)	3515+41	3522+17	393
STAGE 1 MOT-19	DIAGONAL 30' C-C	3624+78	3625+71	30
STAGE 2	SHLDR DIAGONAL	3530+00	3626+33	545
TOTAL				3,916



BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.ebardainc.com

REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

MSCH-04  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
MAINTENANCE OF TRAFFIC  
SCHEDULE  
SCALE: =NTS  
DATE: 07/07/05  
DRAWN BY: RA  
CHECKED BY: RR

9/16/05 11:29 AM

62302 • (1818, ETC, 2324.6-1)PR-9

SIGN NO.	STATION	ROUTE	SIZE (HEIGHTxLENGTH)	TOTAL	130161094R059.5	ES2-05	PS1-02	PS2-01	PS2-02	PS2-03	PS2-04	ES4-01	ES4-02	ES4-03	PS4-01	PS4-02	180161094R058.2	1C016194R058.2	ES5-01	ES6-01	1C0161094R57.0	PS6-01	PS6-03	ES6-02	ES6-0	
	1379+48.01	94	(10'-6"x8 )x2																							
SIGN PANEL - TYPE 1				SQ FT																						
SIGN PANEL - TYPE 2				SQ FT																						
SIGN PANEL - TYPE 3				SQ FT																						
SIGN PANEL OVERLAY				SQ FT																						
REMOVE SIGN PANEL - TYPE 2				SQ FT																						
REMOVE SIGN PANEL - TYPE 3				SQ FT																						
RELOCATE SIGN PANEL - TYPE 3				SQ FT																						
STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY				POUND																						
TELESCOPING STEEL SIGN SUPPORT				FOOT																						
WOOD SIGN SUPPORT				FOOT																						
OVERHEAD SIGN STRUCTURE - SPAN, TYPE 1-A (4'-0" X 4'-6")				FOOT																						
OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0")				FOOT																						
CONCRETE FOUNDATIONS				CU YD																						
OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE III-C-A (36" X 7'-0")				FOOT																						
OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED				FOOT																						
OVERHEAD SIGN STRUCTURE WALKWAY				FOOT																						
DRILLED SHAFT CONCRETE FOUNDATIONS				CU YD																						
REMOVE OVERHEAD SIGN STRUCTURE - SPAN				EACH																						
REMOVE CONCRETE FOUNDATION - OVERHEAD				EACH																						
REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER				EACH																						
OVERHEAD SIGN STRUCTURE WALKWAY, CANTILEVER				FOOT																						
TEMPORARY INFORMATION SIGNING				SQ FT																						
OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A				FOOT																						

FOOT										
SIGN NO.	TS4-02	TS6-01	TS13-01	TS13-02	TS14-01	TS4-03	TS4-01	TS9-04	DMS	
	3405+00	3405+00	1414+00	1414+00	3552+10				1476+22.5	
	94	94	94	94	94				94	
	2'x12'	7'x12'-6"	2'6"x16'	2'-6"x15'-6"	7'x10'-6"	7'-6"x6'x3	2'-12"	2'-6"x6'x6"	SPAN	
SIGN PANEL - TYPE 1	SQ FT									
SIGN PANEL - TYPE 2	SQ FT									
SIGN PANEL - TYPE 3	SQ FT									
SIGN PANEL OVERLAY	SQ FT									
REMOVE SIGN PANEL - TYPE 2	SQ FT									
REMOVE SIGN PANEL - TYPE 3	SQ FT									
RELOCATE SIGN PANEL - TYPE 3	SQ FT									
STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND									
TELESCOPING STEEL SIGN SUPPORT	FOOT									
WOOD SIGN SUPPORT	FOOT									
OVERHEAD SIGN STRUCTURE - SPAN, TYPE 1-A (4'-0" X 4'-6")	FOOT									
OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0")	FOOT									66.7
CONCRETE FOUNDATIONS	CU YD									
OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE III-C-A (36" X 7'-0")	FOOT									
OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	FOOT									
OVERHEAD SIGN STRUCTURE WALKWAY	FOOT									
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD									34.4
REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH									
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH									
REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	EACH									
OVERHEAD SIGN STRUCTURE WALKWAY, CANTILEVER	FOOT									
TEMPORARY INFORMATION SIGNING	SQ FT	24	87.5	40	48	73.5	135	24	38.75	
OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT									56



REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

SCH-01  
 ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 SIGN PANEL SCHEDULE  
 SCALE: NONE  
 DATE: 07/07/05  
 DRAWN BY: RV  
 CHECKED BY: MSA

9/9/2005 11:54:57 AM

PAY ITEM	SIGN NO.	1S0161094 R055.57	TS19-02	1C0161094 R055.33	TS20-01	ES10-01	1S0161094 R055.09	ES10-02	TS20-02	EXIT SIGNS	TS08-04	MILE MARKER	TS02-01	TS02-02 TS02-03	DETOUR GUIDE SIGNS	1S0161094 R056.47
	STATION	3596+00	3599+50	3603+12	3609+70	3610+41	3616+00	3623+63	3619+00		3666+23	VARIOUS	3666+23		VARIOUS	3543+00
ROUTE	I-94	I-94	I-94	I-94	I-94	I-94	I-94		I-94			I-94			S. ASHLAND AVE.	
SIZE (HEIGHTxLENGTH)			8'x11'	10'-6"x16'	8'x15' 1'x3'	8'x11' 8'x15'			8'x11'	7.5'x5'	8.5'x13'	3'x1'	5'x9'	4'x7.5' 1.5'x7.5'	1'x2' 2'x2'	
UNIT																
SIGN PANEL - TYPE 1	SQ FT											12			664	
SIGN PANEL - TYPE 2	SQ FT															
SIGN PANEL - TYPE 3	SQ FT									75						
SIGN PANEL OVERLAY	SQ FT				3											
REMOVE SIGN PANEL - TYPE 2	SQ FT															
REMOVE SIGN PANEL - TYPE 3	SQ FT					208										
RELOCATE SIGN PANEL-TYPE 3	SQ FT		88		120				88							
STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND		450		450				450							
TELESCOPING STEEL SIGN SUPPORT	FOOT										16					
WOOD SIGN SUPPORT	FOOT									40					942	
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")	FOOT			70												
OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0")	FOOT															
CONCRETE FOUNDATIONS	CU YD		1.4		1.4				1.4							
OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE III-C-A (36" X 7'-0")	FOOT															
OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	FOOT															
OVERHEAD SIGN STRUCTURE WALKWAY	FOOT			52												
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	10		30.9			10									13.5
REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH															
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH							1								
REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	EACH							1								
OVERHEAD SIGN STRUCTURE WALKWAY, CANTILEVER	FOOT															
TEMPORARY INFORMATION SIGNING	SQ FT										111.0		45.0	83.0		



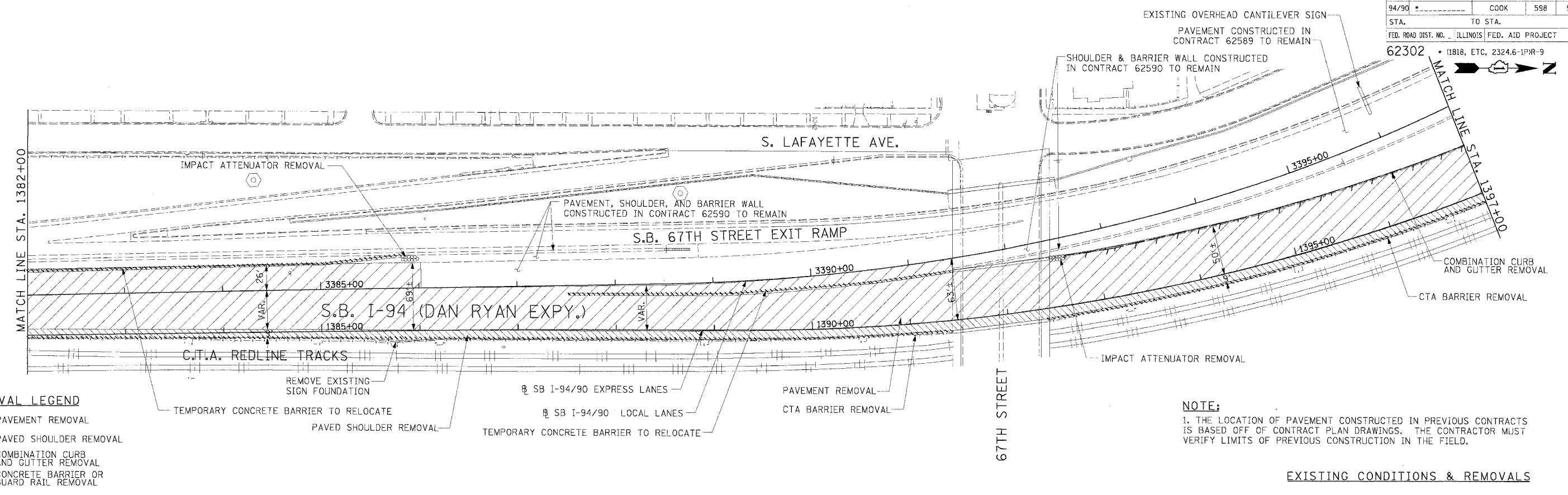
REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 SIGN PANEL SCHEDULE

SCALE: NONE  
 DATE: 07/07/05

DRAWN BY: RV  
 CHECKED BY: MSA

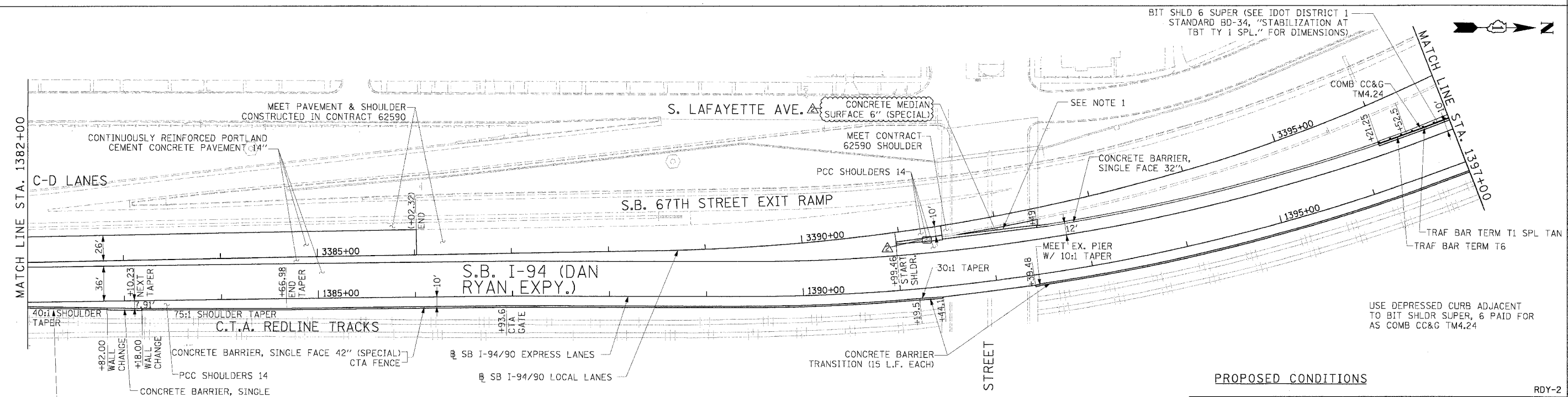
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	598	51
STA.	TO STA.		FED. AID PROJECT	
62302	(1818, ETC., 2324.6-1)PR-9			



- REMOVAL LEGEND**
- PAVEMENT REMOVAL
  - PAVED SHOULDER REMOVAL
  - COMBINATION CURB AND GUTTER REMOVAL
  - CONCRETE BARRIER OR GUARD RAIL REMOVAL

**NOTE:**  
1. THE LOCATION OF PAVEMENT CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

**EXISTING CONDITIONS & REMOVALS**



- LEGEND**
- TEMPORARY PAVEMENT (INTERSTATE)/TEMPORARY SHOULDER
  - TEMPORARY CONCRETE BARRIER

**NOTE:**  
1. BRIDGE OVER EXPRESS LANES OMITTED FOR CLARITY.

**Edwards AND Kelcey**  
ONE NORTH FRANKLIN  
CHICAGO, IL 60606  
PHONE: (312) 251-3000  
FAX: (312) 251-3015  
WEB: WWW.EKCORP.COM

**STATIONING**  
+\*\*.\*\* STATION PROVIDED FROM THE I-90/94 EXPRESS LANES  
(+\*\*.\*\* STATION PROVIDED FROM THE I-90/94 LOCAL LANES  
[+\*\*.\*\* STATION PROVIDED FROM THE SLIP RAMP

**REVISIONS**

NAME	DATE
ADDENDUM 2	9/16/05

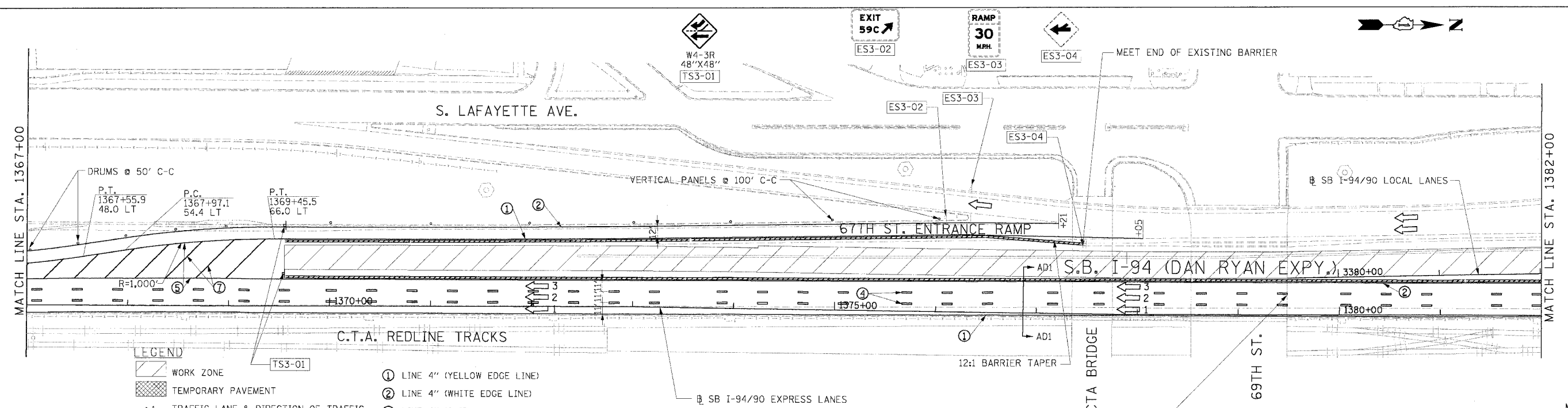
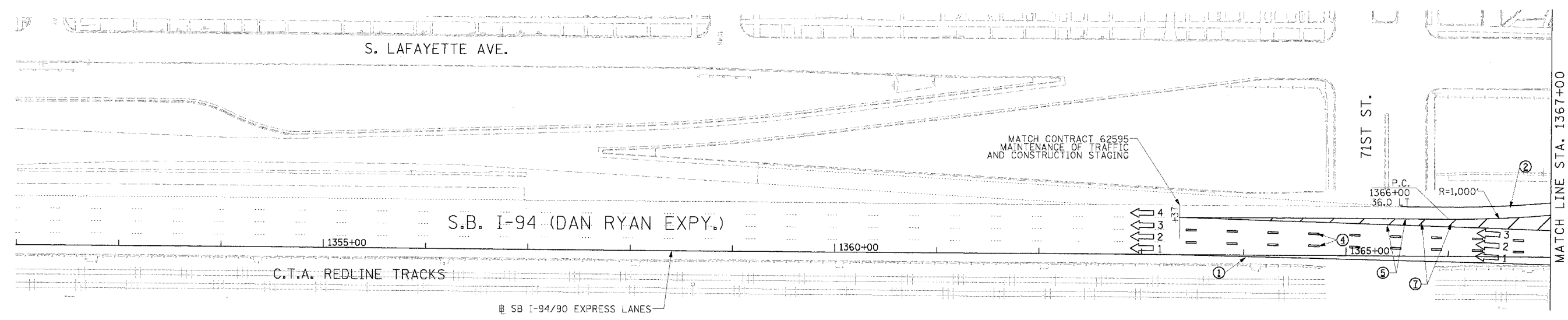
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
EXISTING AND PROPOSED PLAN  
SOUTHBOUND STA. 1382+00 TO STA. 1397+00

SCALE: 1"=50'  
DATE: 7/7/05

DRAWN BY: TAI  
CHECKED BY: PJM

09/14/2005 10:53:55 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	598	89
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
62302 • (181B, ETC, 2324.6-1)R-9				



**LEGEND**

- WORK ZONE
- TEMPORARY PAVEMENT
- TRAFFIC LANE & DIRECTION OF TRAFFIC
- DRUM OR BARRICADE TYPE II WITH STEADY BURN LIGHT
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- BARRICADE TYPE III
- TEMPORARY CONCRETE BARRIER
- EXISTING SIGN
- TEMPORARY SIGN

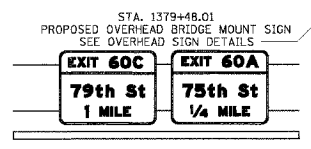
- ① LINE 4" (YELLOW EDGE LINE)
- ② LINE 4" (WHITE EDGE LINE)
- ③ LINE 4" (SKIP DASH, 6' SKIP - 2' DASH, WHITE)
- ④ LINE 5" (SKIP DASH, 30' SKIP - 10' DASH, WHITE)
- ⑤ LINE 8" (WHITE GORE LINE)
- ⑥ LINE 8" (SKIP DASH, 12' SKIP - 3' DASH, WHITE)
- ⑦ LINE 12" (DIAGONAL, 30' C-C)
- ⑧ LINE 12" (DIAGONAL, 500' C-C)
- ⑨ LETTERS AND SYMBOLS

**STATIONING**

\*\*\* STATION PROVIDED FROM THE I-90/94 EXPRESS LANES  
 (\*\*\* STATION PROVIDED FROM THE I-90/94 LOCAL LANES

**NOTE:**

ALL PAVEMENT MARKINGS ON THIS SHEET ARE PAVEMENT MARKING TAPE, TYPE III UNLESS OTHERWISE NOTED.



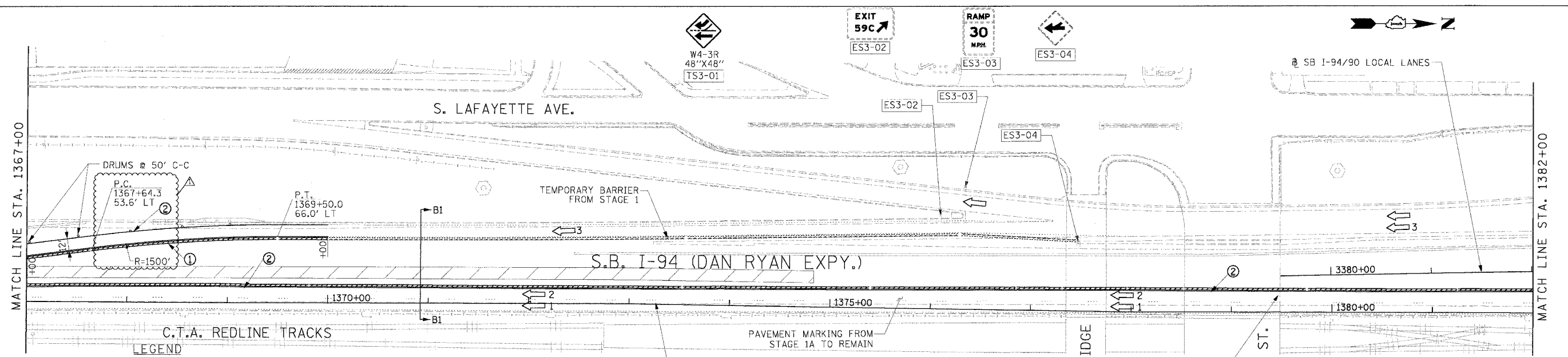
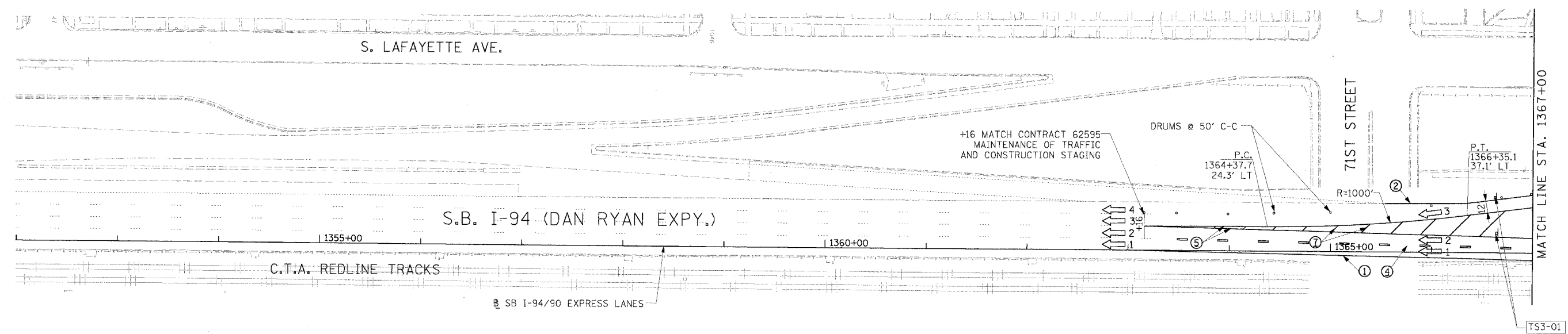
REVISIONS	
NAME	DATE
ADDENDUM 2	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 MAINTENANCE OF TRAFFIC PLAN  
 SOUTHBOUND STA. 1352+00 TO STA. 1382+00  
 STAGE 1A  
 SCALE: 1"=50'  
 DATE: 7/7/05  
 DRAWN BY: TAI  
 CHECKED BY: PJM

**Edwards and Kelcey**  
 ONE NORTH FRANKLIN  
 CHICAGO, IL 60606  
 PHONE: (312) 251-3000  
 FAX: (312) 251-3015  
 WEB: WWW.EKCORP.COM

P:\2005\9490\9490.DWG, P1815 CAD\DWG\50012A.DWG  
 09/14/2005 10:49:07 AM

F.A.I. RITE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	598	91
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
62302 • (1B)1B, ETC, 2324.6-1PR-9				



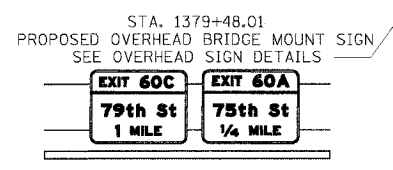
**LEGEND**

- WORK ZONE
- TEMPORARY PAVEMENT
- TRAFFIC LANE & DIRECTION OF TRAFFIC
- DRUM OR BARRICADE TYPE II WITH STEADY BURN LIGHT
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- BARRICADE TYPE III
- TEMPORARY CONCRETE BARRIER
- EXSx-xx EXISTING SIGN
- TSSx-xx TEMPORARY SIGN

- ① LINE 4" (YELLOW EDGE LINE)
- ② LINE 4" (WHITE EDGE LINE)
- ③ LINE 4" (SKIP DASH, 6' SKIP - 2' DASH, WHITE)
- ④ LINE 5" (SKIP DASH, 30' SKIP - 10' DASH, WHITE)
- ⑤ LINE 8" (WHITE GORE LINE)
- ⑥ LINE 8" (SKIP DASH, 12' SKIP - 3' DASH, WHITE)
- ⑦ LINE 12" (DIAGONAL, 30' C-C)
- ⑧ LINE 12" (DIAGONAL, 500' C-C)
- ⑨ LETTERS AND SYMBOLS

**STATIONING**  
 \*\*\* STATION PROVIDED FROM THE SB I-90/94 EXPRESS LANES  
 (\*\*\* STATION PROVIDED FROM THE SB I-90/94 LOCAL LANES

**NOTE:**  
 ALL PAVEMENT MARKINGS ON THIS SHEET ARE PAVEMENT MARKING TAPE, TYPE III UNLESS OTHERWISE NOTED.



REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

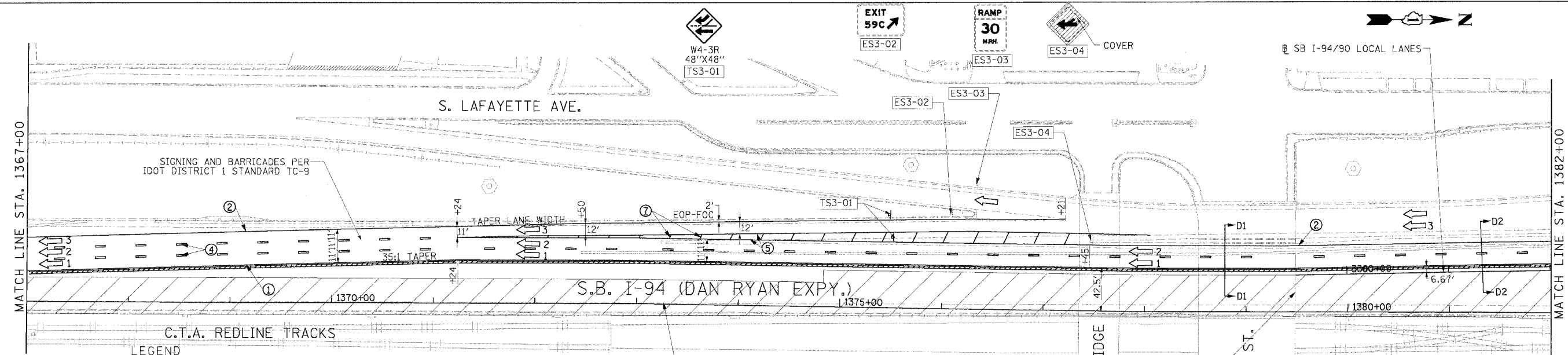
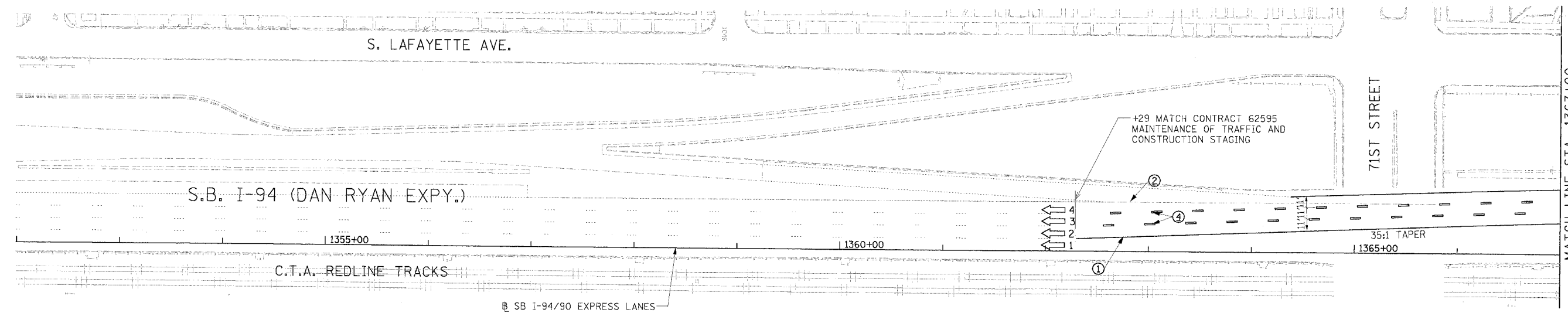
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 MAINTENANCE OF TRAFFIC PLAN  
 SOUTHBOUND STA. 1352+00 TO STA. 1382+00  
 STAGE 1B  
 SCALE: 1"=50'  
 DATE: 7/7/05  
 DRAWN BY: TAI  
 CHECKED BY: PJM

**Edwards and Kelcey**  
 ONE NORTH FRANKLIN  
 CHICAGO, IL 60606  
 PHONE: (312) 251-3000  
 FAX: (312) 251-3015  
 WEB: WWW.EKCORP.COM

P:\02\09\05\035\Con. H&I\CADD\15\150337.dwg  
 09/14/2005 10:24:45 AM



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	598	93
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62302	(1818, ETC, 2324.6-1PR-9			



**LEGEND**

- WORK ZONE
- TEMPORARY PAVEMENT
- TRAFFIC LANE & DIRECTION OF TRAFFIC
- DRUM OR BARRICADE TYPE II WITH STEADY BURN LIGHT
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- BARRICADE TYPE III
- TEMPORARY CONCRETE BARRIER
- EXISTING SIGN
- TEMPORARY SIGN

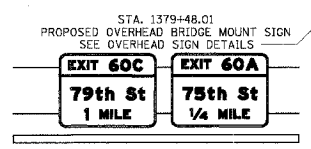
- ① LINE 4" (YELLOW EDGE LINE)
- ② LINE 4" (WHITE EDGE LINE)
- ③ LINE 4" (SKIP DASH, 6' SKIP - 2' DASH, WHITE)
- ④ LINE 5" (SKIP DASH, 30' SKIP - 10' DASH, WHITE)
- ⑤ LINE 8" (WHITE GORE LINE)
- ⑥ LINE 8" (SKIP DASH, 12' SKIP - 3' DASH, WHITE)
- ⑦ LINE 12" (DIAGONAL, 30' C-C)
- ⑧ LINE 12" (DIAGONAL, 500' C-C)
- ⑨ LETTERS AND SYMBOLS

**STATIONING**

+\*\* STATION PROVIDED FROM THE SB I-90/94 EXPRESS LANES  
 (+\*\*\*) STATION PROVIDED FROM THE SB I-90/94 LOCAL LANES

**NOTE:**

ALL PAVEMENT MARKINGS ON THIS SHEET ARE PAVEMENT MARKING TAPE, TYPE III UNLESS OTHERWISE NOTED.



REVISIONS	
NAME	DATE
ADDENDUM 2	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 MAINTENANCE OF TRAFFIC PLAN  
 SOUTHBOUND STA. 1352+00 TO STA. 1382+00  
 STAGE 1C

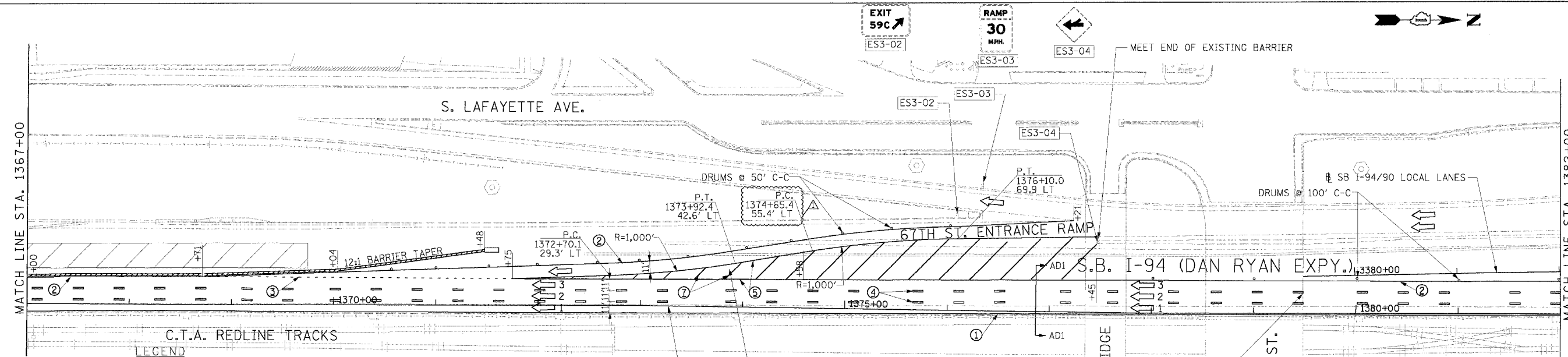
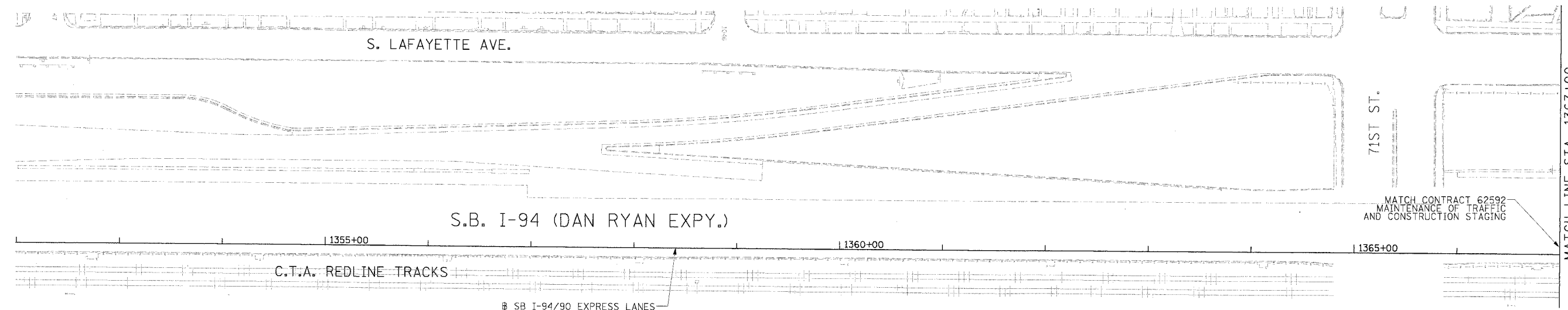
SCALE: 1"=50'  
 DATE: 7/1/05

DRAWN BY: TAI  
 CHECKED BY: PJM

**Edwards and Kelcey**  
 ONE NORTH FRANKLIN  
 CHICAGO, IL 60606  
 PHONE: (312) 251-3000  
 FAX: (312) 251-3015  
 WEB: WWW.EKCORP.COM

P:\0300\94050\94050.dwg 148/15/05/ADJ/5/10/15/05/05.dwg 10:54:46 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	598	95
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62302	(1818, ETC, 2324.6-1)PR-9			



**LEGEND**

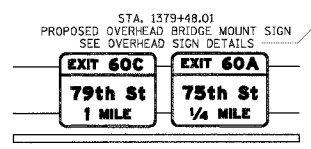
- WORK ZONE
- TEMPORARY PAVEMENT
- TRAFFIC LANE & DIRECTION OF TRAFFIC
- DRUM OR BARRICADE TYPE II WITH STEADY BURN LIGHT
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- BARRICADE TYPE III
- TEMPORARY CONCRETE BARRIER
- EXISTING SIGN
- TEMPORARY SIGN
- ① LINE 4" (YELLOW EDGE LINE)
- ② LINE 4" (WHITE EDGE LINE)
- ③ LINE 4" (SKIP DASH, 6' SKIP - 2' DASH, WHITE)
- ④ LINE 5" (SKIP DASH, 30' SKIP - 10' DASH, WHITE)
- ⑤ LINE 8" (WHITE GORE LINE)
- ⑥ LINE 8" (SKIP DASH, 12' SKIP - 3' DASH, WHITE)
- ⑦ LINE 12" (DIAGONAL, 30' C-C)
- ⑧ LINE 12" (DIAGONAL, 500' C-C)
- ⑨ LETTERS AND SYMBOLS

**STATIONING**

+++ STATION PROVIDED FROM THE SB I-90/94 EXPRESS LANES  
 (+\*\*) STATION PROVIDED FROM THE SB I-90/94 LOCAL LANES

**NOTE:**

ALL PAVEMENT MARKINGS ON THIS SHEET ARE PAVEMENT MARKING TAPE, TYPE III UNLESS OTHERWISE NOTED.



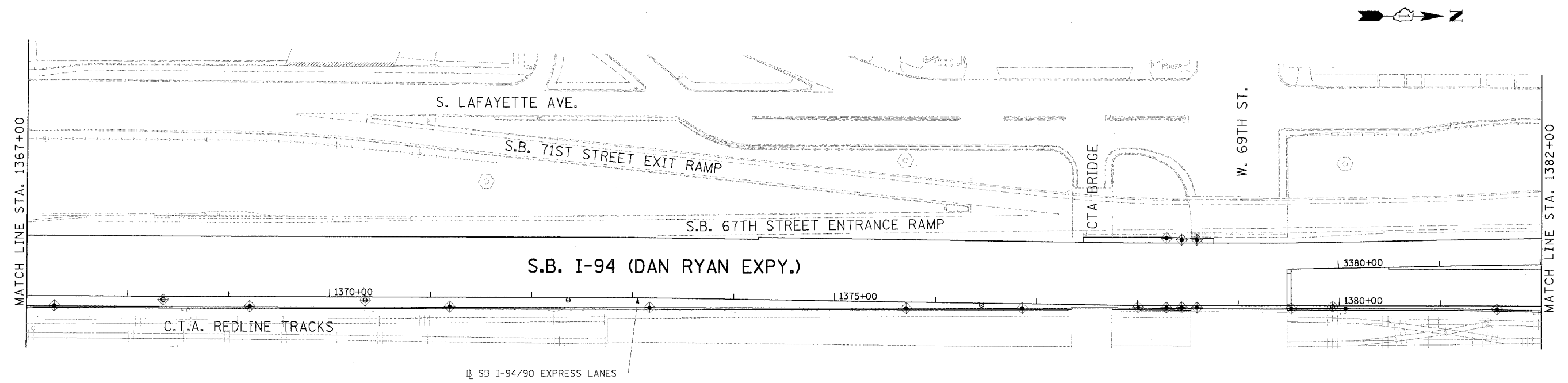
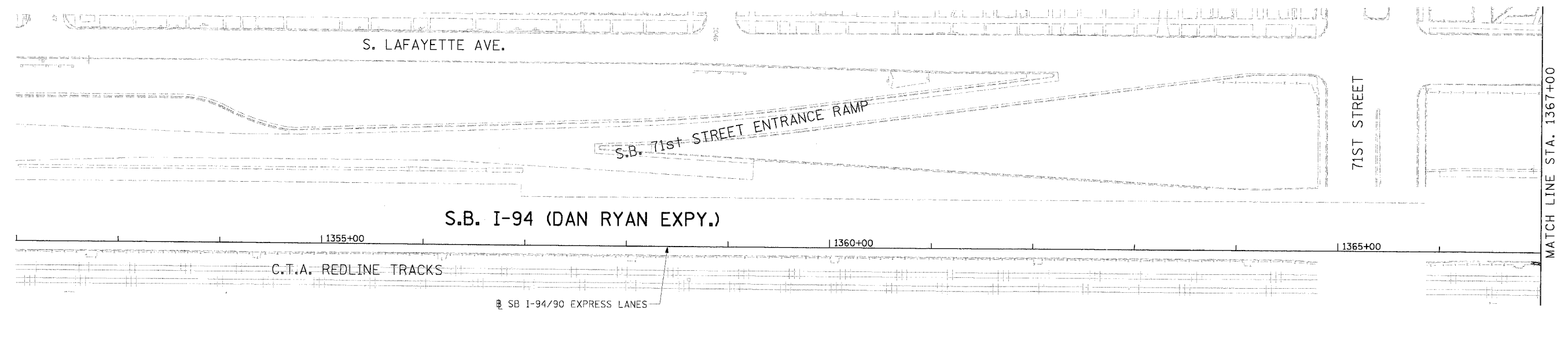
REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 MAINTENANCE OF TRAFFIC PLAN  
 SOUTHBOUND STA. 1352+00 TO STA. 1382+00  
 STAGE 1D  
 SCALE: 1"=50'  
 DATE: 7/1/05  
 DRAWN BY: TAI  
 CHECKED BY: PJM

**Edwards AND Kelcey**  
 ONE NORTH FRANKLIN  
 CHICAGO, IL 60606  
 PHONE: (312) 251-3000  
 FAX: (312) 251-3015  
 WEB: WWW.EKCORP.COM

62302(94/90)35AC(06)148(5)CAD(15)M#15007(2)-BT  
 MOT-10  
 05/14/2005 10:25:27 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	598	114
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62302	• (1818, ETC, 2324.6-IPR-9			



**LEGEND**

- ◆ INLET FILTER
- PERIMETER EROSION BARRIER
- SEEDING, CLASS 2A  
TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET
- SEEDING, CLASS 2A  
TOPSOIL FURNISH AND PLACE, 8" COMPOST FURNISH AND PLACE, 4" EROSION CONTROL BLANKET

**LANDSCAPING NOTES:**

1. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 1 AND FROM AUGUST 15 TO SEPTEMBER 30. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN REJECTION OF SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.
2. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF THE EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF THE EXISTING PLANT MATERIAL OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.

**EROSION CONTROL NOTES:**

1. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES, WHICH MAY POTENTIALLY CREATE CONDITIONS THAT ARE LIKELY TO ERODE.
2. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
3. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.

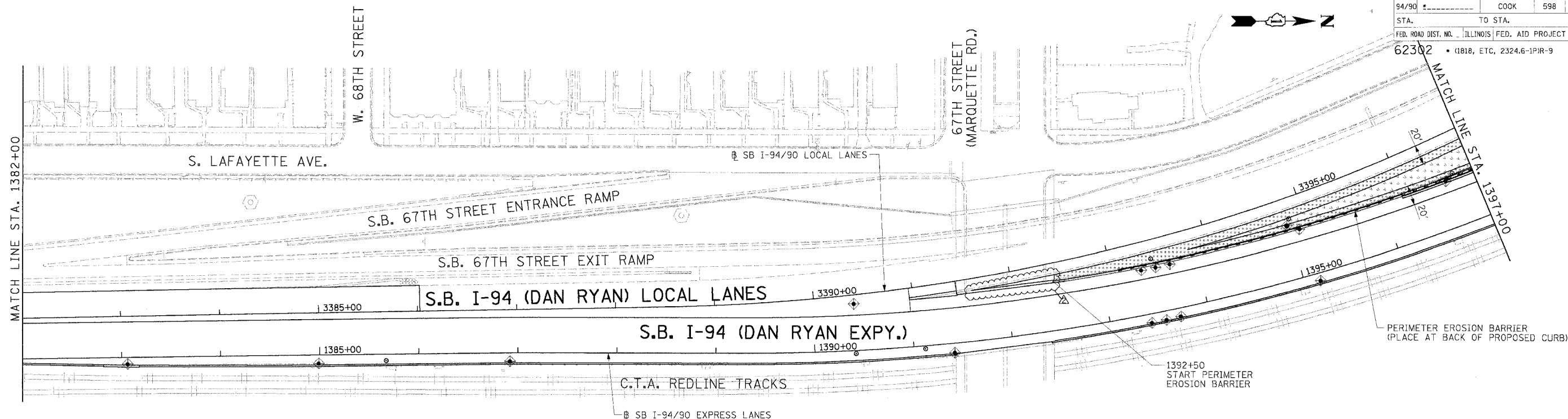
REVISIONS	
NAME	DATE
ADDENDUM 2	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 AND LANDSCAPING PLAN  
 SOUTHBOUND STA. 1352+00 TO STA. 1382+00  
 SCALE: 1"=50'  
 DATE: 7/7/05  
 DRAWN BY: TAI  
 CHECKED BY: PJM

**Edwards AND Kelcey**  
 ONE NORTH FRANKLIN  
 CHICAGO, IL 60606  
 PHONE: (312) 251-3000  
 FAX: (312) 251-3015  
 WEB: WWW.EKCCORP.COM

ERO-1  
09/14/2005 10:56:38 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
94/90		COOK	598 115
STA.	TO STA.		
62302	ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO. • (1818, ETC., 2324.6-1)JR-9			



**LANDSCAPING NOTES:**

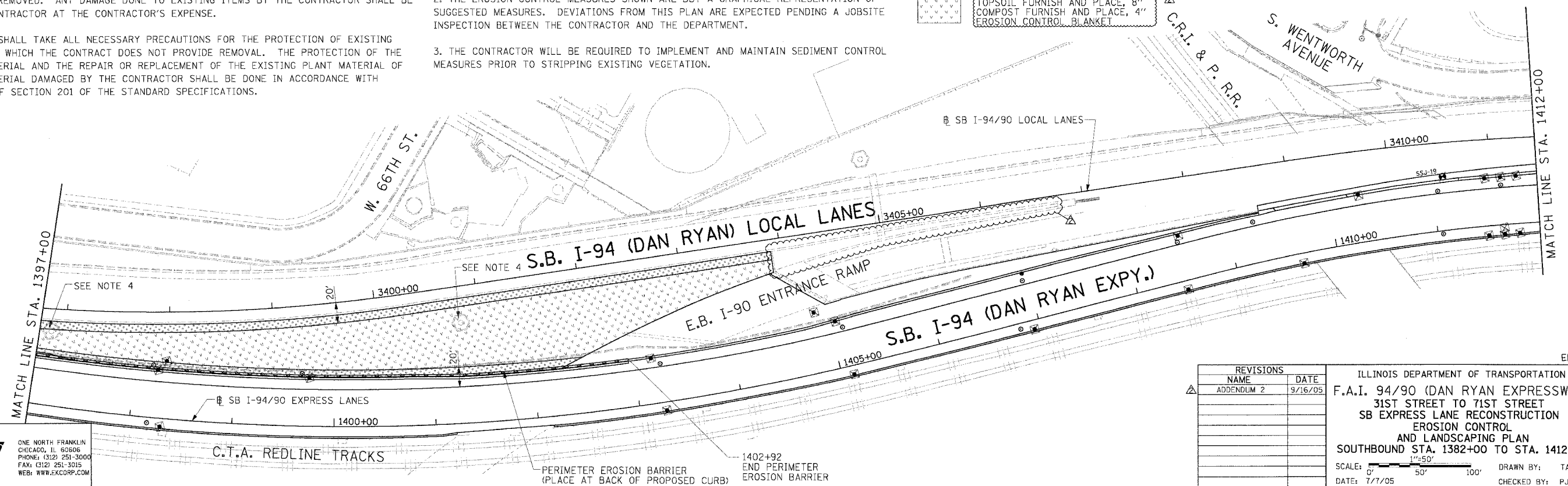
1. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 1 AND FROM AUGUST 15 TO SEPTEMBER 30. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN REJECTION OF SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.
2. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF THE EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF THE EXISTING PLANT MATERIAL OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.

**EROSION CONTROL NOTES:**

1. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES, WHICH MAY POTENTIALLY CREATE CONDITIONS THAT ARE LIKELY TO ERODE.
2. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
3. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.

**LEGEND**

- ◆ INLET FILTER
- PERIMETER EROSION BARRIER
- SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET
- SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 8" COMPOST FURNISH AND PLACE, 4" EROSION CONTROL BLANKET



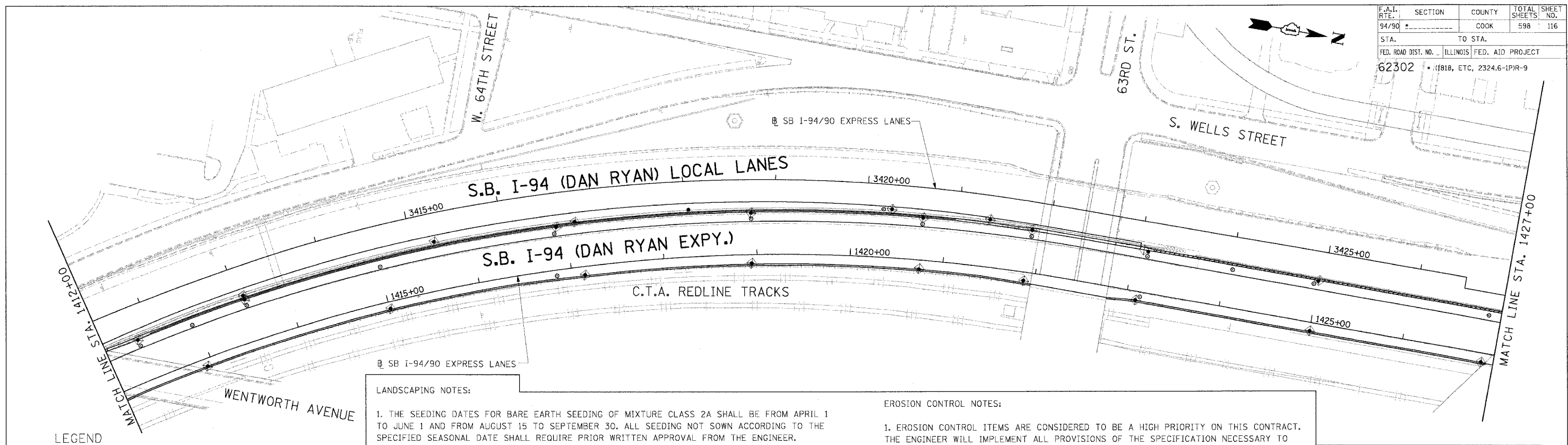
**Edwards and Kelcey**  
 ONE NORTH FRANKLIN  
 CHICAGO, IL 60606  
 PHONE: (312) 251-3000  
 FAX: (312) 251-3015  
 WEB: WWW.EKCORP.COM

REVISIONS		
NAME	DATE	
ADDENDUM 2	9/16/05	

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 EROSION CONTROL  
 AND LANDSCAPING PLAN  
 SOUTHBOUND STA. 1382+00 TO STA. 1412+00  
 SCALE: 1"=50'  
 DATE: 7/7/05  
 DRAWN BY: TAI  
 CHECKED BY: PJM

ERO-2  
 09/14/2005 10:51:05 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	598	116
STA.	TO STA.		FED. AID PROJECT	
62302	11818, ETC.		2324.6-1PR-9	



**LEGEND**

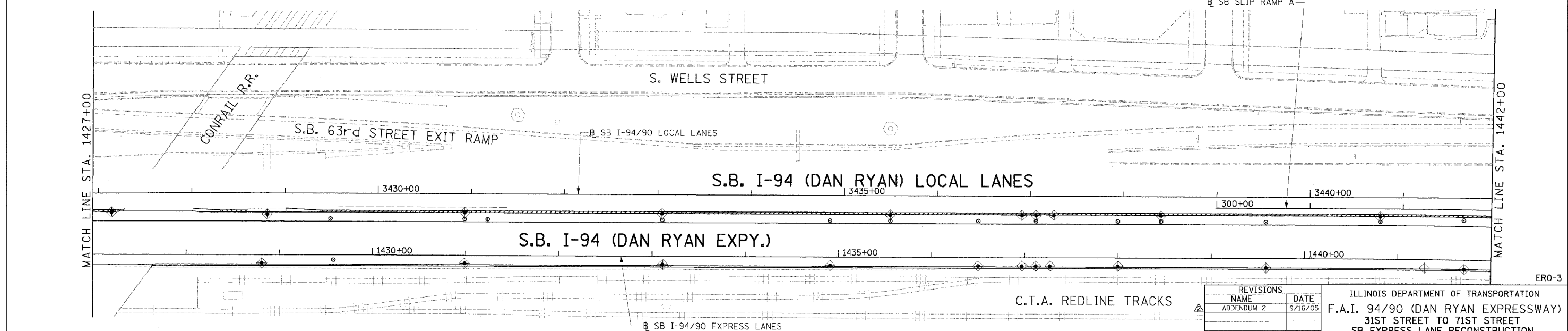
- INLET FILTER
- PERIMETER EROSION BARRIER
- SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET
- SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 8" COMPOST FURNISH AND PLACE, 4" EROSION CONTROL BLANKET

**LANDSCAPING NOTES:**

1. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 1 AND FROM AUGUST 15 TO SEPTEMBER 30. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN REJECTION OF SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.
2. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF THE EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF THE EXISTING PLANT MATERIAL OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.

**EROSION CONTROL NOTES:**

1. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES, WHICH MAY POTENTIALLY CREATE CONDITIONS THAT ARE LIKELY TO ERODE.
2. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
3. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.



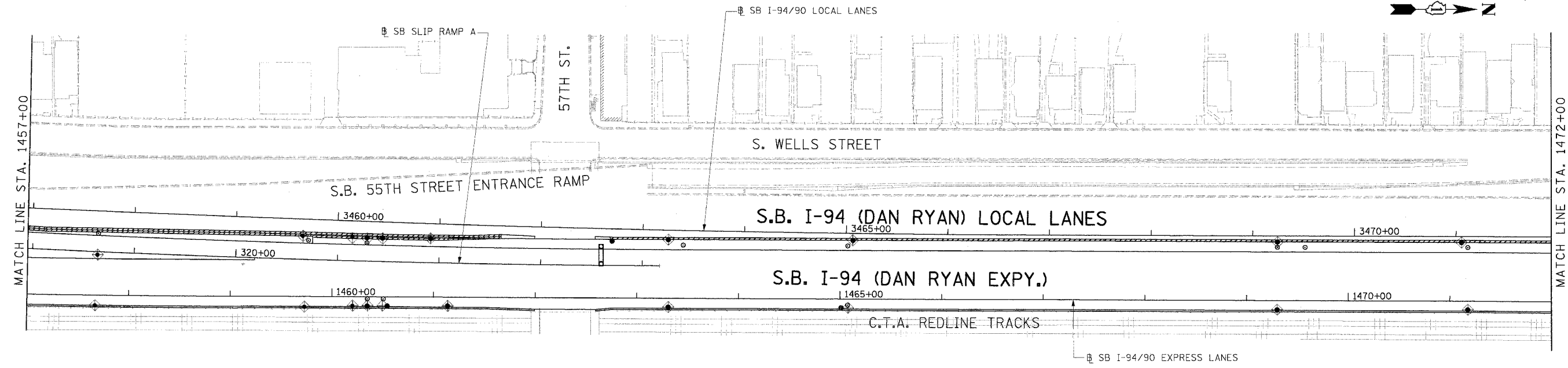
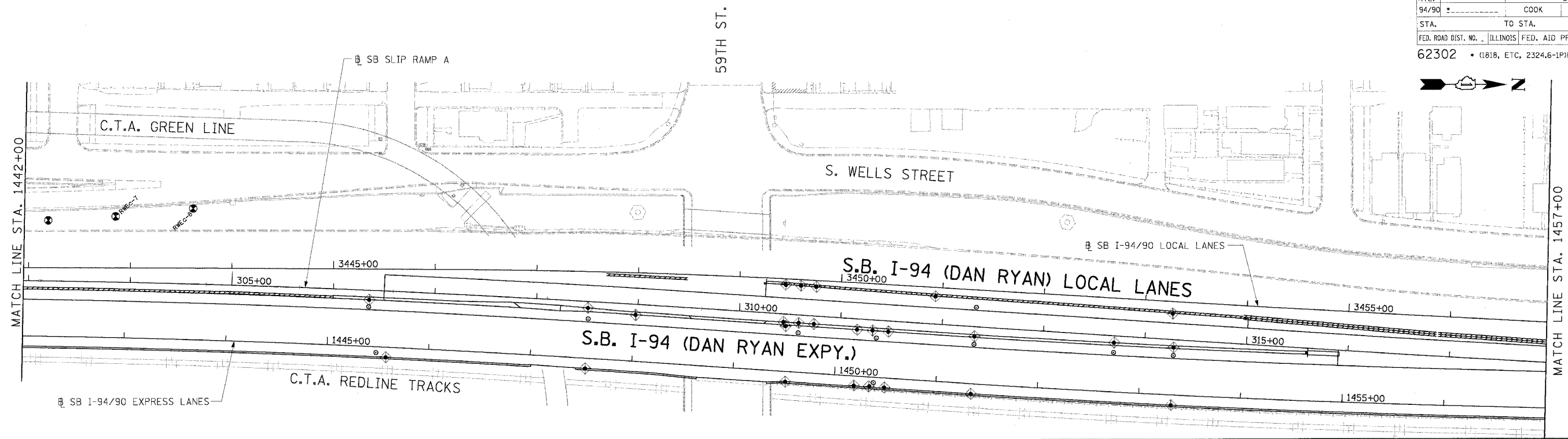
**Edwards AND Kelcey**  
 ONE NORTH FRANKLIN  
 CHICAGO, IL 60606  
 PHONE: (312) 251-3000  
 FAX: (312) 251-3015  
 WEB: WWW.EKCORP.COM

REVISIONS	
NAME	DATE
ADDENDUM 2	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 AND LANDSCAPING PLAN  
 SOUTHBOUND STA. 1412+00 TO STA. 1442+00  
 SCALE: 1"=50'  
 DATE: 7/7/05  
 DRAWN BY: TAI  
 CHECKED BY: PJM

P:\030190303\030190303.dwg 14815 CAD\DWG\14815.dwg 500328.dwg 09/14/2005 10:51:52 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	598	117
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
62302 • (1818, ETC, 2324.6-1)PR-9				



**LEGEND**

- INLET FILTER
- PERIMETER EROSION BARRIER
- SEEDING, CLASS 2A  
TOPSOIL FURNISH AND PLACE, 4"  
EROSION CONTROL BLANKET
- SEEDING, CLASS 2A  
TOPSOIL FURNISH AND PLACE, 8"  
COMPOST FURNISH AND PLACE, 4"  
EROSION CONTROL BLANKET

**LANDSCAPING NOTES:**

1. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 1 AND FROM AUGUST 15 TO SEPTEMBER 30. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN REJECTION OF SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.
2. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF THE EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF THE EXISTING PLANT MATERIAL OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.

**EROSION CONTROL NOTES:**

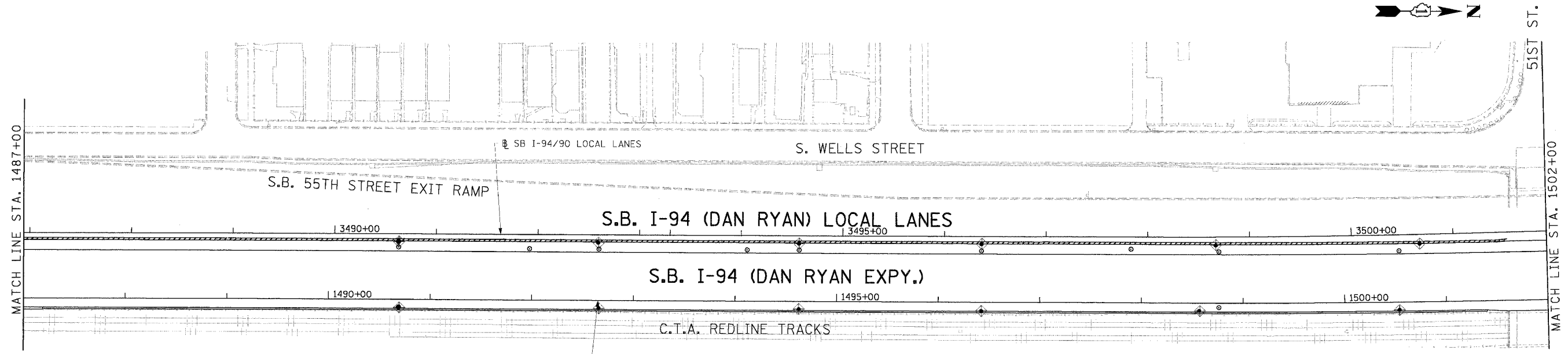
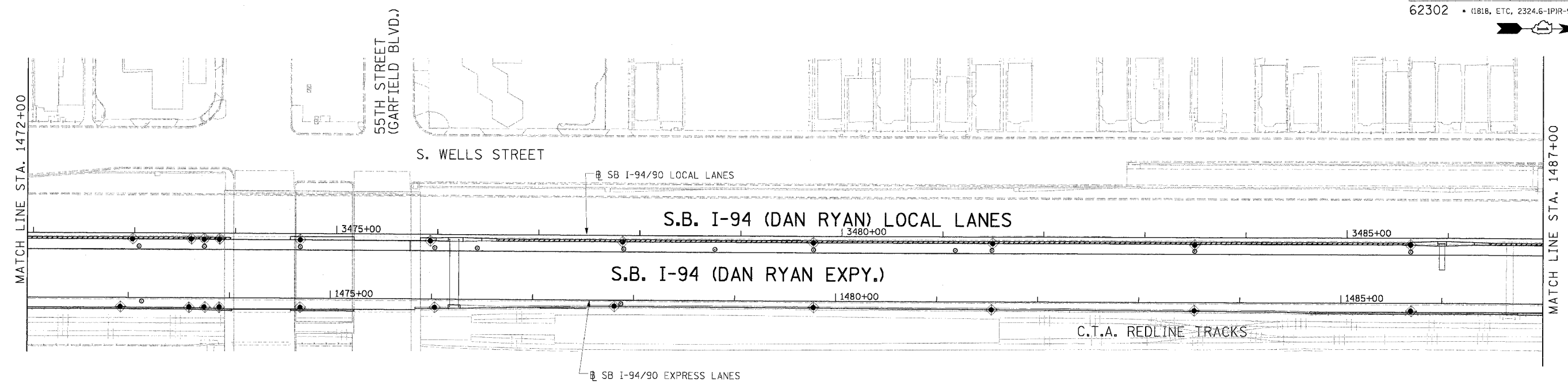
1. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES, WHICH MAY POTENTIALLY CREATE CONDITIONS THAT ARE LIKELY TO ERODE.
2. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
3. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.

**Edwards AND Kelcey**  
 ONE NORTH FRANKLIN  
 CHICAGO, IL 60606  
 PHONE: (312) 251-3000  
 FAX: (312) 251-3015  
 WEB: WWW.EDKCORP.COM

REVISIONS	
NAME	DATE
ADDENDUM 2	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 AND LANDSCAPING PLAN  
 SOUTHBOUND STA. 1442+00 TO STA. 1472+00  
 SCALE: 1"=50'  
 0' 50' 100'  
 DATE: 7/7/05  
 DRAWN BY: TAI  
 CHECKED BY: PJM

ERO-4  
05/14/2005 10:56:32 AM



**LEGEND**

- INLET FILTER
- PERIMETER EROSION BARRIER
- SEEDING, CLASS 2A  
TOPSOIL FURNISH AND PLACE, 4"  
EROSION CONTROL BLANKET
- SEEDING, CLASS 2A  
TOPSOIL FURNISH AND PLACE, 8"  
COMPOST FURNISH AND PLACE, 4"  
EROSION CONTROL BLANKET

**LANDSCAPING NOTES:**

1. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 1 AND FROM AUGUST 15 TO SEPTEMBER 30. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN REJECTION OF SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.
2. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF THE EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF THE EXISTING PLANT MATERIAL OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.

**EROSION CONTROL NOTES:**

1. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES, WHICH MAY POTENTIALLY CREATE CONDITIONS THAT ARE LIKELY TO ERODE.
2. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
3. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.

**Edwards AND Kelcey**  
 ONE NORTH FRANKLIN  
 CHICAGO, IL 60606  
 PHONE: (312) 251-3000  
 FAX: (312) 251-3015  
 WEB: WWW.EKCORP.COM

REVISIONS	
NAME	DATE
ADDENDUM 2	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 EROSION CONTROL  
 AND LANDSCAPING PLAN  
 SOUTHBOUND STA. 1472+00 TO STA. 1502+00  
 SCALE: 1"=50'  
 DATE: 7/7/05  
 DRAWN BY: TAI  
 CHECKED BY: PJM

ERO-5  
 09/14/2005 10:59:07 AM





EXISTING STORM SEWER SCHEDULE

STATION	OFFSET	TO	STATION	OFFSET	STORM SEWER REMOVAL 8"	STORM SEWER REMOVAL 10"	STORM SEWER REMOVAL 12"	STORM SEWER REMOVAL 15"	STORM SEWER REMOVAL 18"	STORM SEWER REMOVAL 21"	STORM SEWER REMOVAL 24"	STORM SEWER REMOVAL 27"	STORM SEWER REMOVAL 30"	STORM SEWER REMOVAL 36"	STORM SEWER REMOVAL 42"	TRENCH BACKFILL (CY)
1537+71.9	31.6' LT		OFFSITE	OFFSITE		26.9										10.2
1539+10.4	33.8' LT		OFFSITE	OFFSITE			25.0									9.8
1539+64.7	33.7' LT		OFFSITE	OFFSITE					38.7							39.3
1540+41.5	61.2' LT		OFFSITE	OFFSITE			19.5									
1540+43.6	36.0' LT		OFFSITE	OFFSITE				43.1								
1540+43.6	36.0' LT		OFFSITE	OFFSITE			82.7									13.6
1542+99.1	85.4' LT		OFFSITE	OFFSITE				6.0								
1548+47.1	58.1' LT		OFFSITE	OFFSITE				14.0								
1548+47.1	58.1' LT		OFFSITE	OFFSITE								63.2				
1551+51.4	67.0' LT		OFFSITE	OFFSITE					5.8							
1553+80.2	52.0' LT		OFFSITE	OFFSITE										56.8		80.6
1560+10.0	52.7' LT		OFFSITE	OFFSITE						56.4						55.0
1562+96.3	54.3' LT		OFFSITE	OFFSITE						11.8						5.5
1564+60.6	51.8' LT		OFFSITE	OFFSITE								60.6				39.6
1567+55.6	67.4' LT		OFFSITE	OFFSITE		18.9										2.0
1568+35.3	52.0' LT		OFFSITE	OFFSITE									58.2			62.5
1572+39.9	52.5' LT		OFFSITE	OFFSITE									60.6			
1573+57.6	54.3' LT		OFFSITE	OFFSITE			11.7									4.3
1574+77.0	54.4' LT		OFFSITE	OFFSITE			11.5									4.4
1579+77.9	52.0' LT		OFFSITE	OFFSITE								58.5				85.7
1582+98.6	52.2' LT		OFFSITE	OFFSITE	14.1											2.5
1583+95.0	57.0' LT		OFFSITE	OFFSITE		2.4										
1585+93.4	52.2' LT		OFFSITE	OFFSITE		13.8										
1587+93.5	52.4' LT		OFFSITE	OFFSITE		13.6										
1589+91.9	52.9' LT		OFFSITE	OFFSITE		13.1										
1591+58.2	51.6' LT		OFFSITE	OFFSITE			13.0									
1594+18.4	51.9' LT		OFFSITE	OFFSITE		14.1										
1597+48.9	51.8' LT		OFFSITE	OFFSITE		13.6										
1598+48.5	51.9' LT		OFFSITE	OFFSITE	14.1											
1599+98.5	52.1' LT		OFFSITE	OFFSITE		13.6										
1601+78.5	52.2' LT		OFFSITE	OFFSITE		17.3										
1601+78.5	52.2' LT		OFFSITE	OFFSITE			17.4									
1603+79.0	52.7' LT		OFFSITE	OFFSITE		13.3										
1605+79.0	52.3' LT		OFFSITE	OFFSITE		13.7										
1607+08.6	51.9' LT		OFFSITE	OFFSITE	14.0											
1607+88.8	52.4' LT		OFFSITE	OFFSITE		13.9										3.4
1609+59.2	54.5' LT		OFFSITE	OFFSITE												
1611+46.1	54.7' LT		OFFSITE	OFFSITE			13.7									
1611+46.1	54.7' LT		OFFSITE	OFFSITE			11.5									
1619+44.3	55.0' LT		OFFSITE	OFFSITE				11.0								
1622+94.2	53.9' LT		OFFSITE	OFFSITE				12.1								
1624+08.8	3.7' RT		OFFSITE	OFFSITE			65.3									10.7
1626+30.2	52.7' LT		OFFSITE	OFFSITE			17.8									7.9
1626+30.2	52.7' LT		OFFSITE	OFFSITE		33.1										11.1
1636+44.1	4.3' RT	1636+36.8	17.6' RT		3.2											0.3
1637+37.0	54.9' LT		OFFSITE	OFFSITE								66.1				135.9
1638+82.6	55.9' LT		OFFSITE	OFFSITE			8.7									
1643+12.2	60.2' LT	1643+24.7	61.0' LT				10.7									0.7
TOTALS					692	6619	4957	3210	4072	613	3683	685	1199	333	57	10102

PIPE UNDERDRAIN REMOVAL

STATION	OFFSET	TO	STATION	OFFSET	PIPE UNDERDRAIN REMOVAL (LF)
1534+79.5	32.32' LT		1534+79.4	51.61' LT	19.3
1540+12.8	14.4' RT		1540+16.9	88.2' LT	102.6
1548+38.2	10.9' RT		1548+38.2	74.1' LT	84.8
1607+79.3	11.5' RT		1607+78.7	63.2' LT	74.6
1622+78.7	7.7' RT		1622+79.2	63.8' LT	71.4
1636+27.5	63.9' LT		1636+28.6	6.0' RT	69.9
1638+54.3	5.98' RT		1638+54.3	64.41' LT	70.4
TOTAL					494

PLUG AND ABANDON EXISTING PIPE

STATION	ABANDON LENGTH (LF)	PIPE DIAMETER (IN)	VOLUME (CY)
1368+77	53	12	1.5
1372+60	47	12	1.4
1383+11	7	15	0.3
1384+85	9	15	0.4
1386+51	8	15	0.4
1391+04	29	18	1.9
1391+13	49	18	3.2
1391+20	52	18	3.4
1394+03	52	18	3.4
1396+94	50	15	2.3
1398+88	57	12	1.7
1401+18	47	12	1.4
1402+64	50	12	1.5
1405+11	50	12	1.5
1406+74	50	12	1.5
1407+99	55	15	2.5
1409+25	54	12	1.6
1410+10	94	8	1.2
1410+91	52	12	1.5
1412+98	154	12	4.5
1413+92	75	10	1.5
1414+74	60	10	1.2
1415+59	55	12	1.6
1416+50	78	10	1.6
1417+34	65	12	1.9
1418+16	64	12	1.9
1419+04	73	12	2.1
1419+89	82	12	2.4
1420+77	71	12	2.1
1421+87	72	10	1.5

STATION	ABANDON LENGTH (LF)	PIPE DIAMETER (IN)	VOLUME (CY)
1422+96	67	12	1.9
1424+07	74	24	8.6
1429+58	72	30	13.1
1437+33	72	36	18.8
1441+70	70	18	4.6
1445+38	75	18	4.9
1447+58	72	15	3.3
1450+47	68	36	17.8
1460+32	41	10	0.8
1460+57	46	30	8.4
1465+20	46	30	8.4
1473+10	46	30	8.4
1473+58	43	15	2.0
1477+94	47	30	8.5
1482+83	46	30	8.4
1493+85	46	12	1.3
1498+82	46	24	5.3
1504+25	44	30	8.0
1510+25	42	30	7.6
1517+25	42	24	4.9
1522+70	42	24	4.9
1524+05	42	12	1.2
1525+57	43	24	5.0
1526+68	43	15	2.0
1527+56	43	18	2.8
1528+13	47	12	1.4
1529+75	48	10	1.0
1530+20	36	12	1.0
1531+44	38	12	1.1
1532+66	41	18	2.7

STATION	ABANDON LENGTH (LF)	PIPE DIAMETER (IN)	VOLUME (CY)
1534+78	41	24	4.8
1539+62	36	18	2.4
1540+50	35	18	2.3
1548+46	35	30	6.4
1553+79	36	42	12.8
1560+10	35	24	4.1
1564+54	35	30	6.4
1565+35	32	10	0.6
1568+36	35	36	9.2
1572+41	35	36	9.2
1579+77	36	30	6.5
1582+98	34	12	1.0
1583+96	39	36	10.2
1591+90	35	30	6.4
1600+69	35	36	9.2
1607+49	34	36	8.9
1609+60	33	15	1.5
1611+46	41	15	1.9
1613+58	41	12	1.2
1620+80	37	36	9.7
1624+09	35	15	1.6
1626+30	35	18	2.3
TOTAL			342

PIPES BEING ABANDONED BENEATH THE CTA IN ACCORDANCE WITH THE SPECIAL PROVISIONS. COORDINATION WITH CONTRACT 62300 IS NECESSARY.

REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

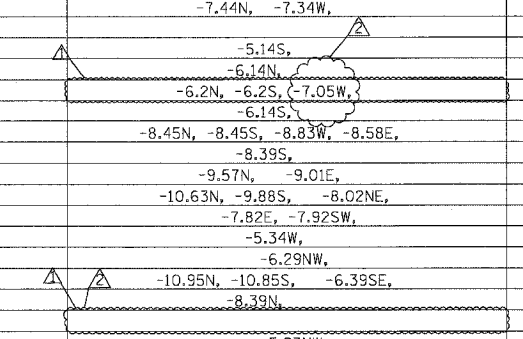
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 DRAINAGE SCHEDULES  
 EXISTING STORM SEWER REMOVAL  
 SCALE: 1"=N.T.S. DRAWN BY: OC  
 DATE: 07/07/05 CHECKED BY: DDM

BOWMAN, BARRETT & ASSOCIATES INC.  
 CONSULTING ENGINEERS  
 Chicago, Illinois  
 312.228.0100  
 www.bbandainc.com

DS-12  
 08/15/2005

SCHEDULE OF DRAINAGE STRUCTURES

STR. #	STATION	OFFSET	RIM ELEVATION	CB, TA, 4D TIF OL	CB, TA, 4D T8G	CB, TA, 4D T20 F&G	CB, TA, 5D TIF OL	CB, TA, 5D T20 F&G	CB, TC, 2D T20 F&G	MH, TA, 4D TIF CL	MH TA 5D TIF CL	MH TA 6D TIF CL	DR STR T1 W/2 T20 F&G	DR STR T2 W/2 T22 F&G	INLET, TYPE B, TIF OL	INLET, TYPE B, T 20 F&G	INVERT ELEVATION	TEMP SOIL RET. SYSTEM (SQ FT)
1-01	1367+23.00	8.00	-9.42			1											-14.92N,	162
1-02	1368+35.00	3.00	-8.62							1							-14.67N, -15.41S, -15.41W,	162
1-03	1369+21.00	8.00	-8.43			1											-14.26S,	162
1-04	1370+35.00	3.00	-7.62							1							-14.16N, -14.26W,	162
1-05	1371+19.00	8.00	-7.44			1											-13.36S,	162
1-06	1372+36.00	3.00	-6.62							1							-13.32N, -13.57W,	162
2-01	1373+17.00	8.00	-6.45			1											-12.55S,	162
2-02	1375+81.00	4.00	-5.85			1											-11.68N,	108
2-03	1376+86.00	2.00	-6.17					1									-13.63N, -13.68S,	104
2-04	1378+01.00	1.00	-6.74					1									-13.39N, -13.44S,	99
2-05	1378+29.00	2.00	-6.84												1		-13.05N, -13.34S,	99
2-06	1378+44.00	1.00	-6.8			1											-12.69N, -13.01S, -12.96W,	99
2-07	1378+59.00	2.00	-6.84												1		-12.63S,	99
2-08	1378+29.00	-66.00	-7.23												1		-13.06N,	
2-09	1378+44.00	-65.00	-7.23			1											-12.66N, -12.66S, -12.76E,	
2-10	1378+59.00	-66.00	-7.23												1		-13.06S,	
2-11	1376+46.00	2.00	-5.99								1						-13.74N, -12.39S, -13.79W,	108
3-01	1379+52.00	2.00	-6.43			1											-12.26N,	99
3-02	NOT USED																	
3-03	1380+06.00	2.00	-5.9			1											-12.07N, -12.17S,	162
3-04	1381+13.00	1.00	-4.53			1											-10.54N, -10.61S,	162
3-05	NOT USED																	
3-06	1383+06.00	5.00	-2.2			1											-8.8N, -9.05S,	162
3-07	1384+99.00	8.00	-0.35			1											-6.91S,	162
4-01	1385+67.00	5.00	0.32							1							-6.2N, -6.75W,	162
4-02	1386+92.00	8.00	0.84			1											-4.99S,	162
4-03	1390+42.00	-47.50	-1.27	1													-7.1E,	
4-04	1390+42.00	3.00	1.27							1							-7.44N, -7.34W,	162
5-01	NOT USED																	
5-02	1391+41.00	9.00	0.69			1											-5.14S,	162
5-03	1393+41.00	9.00	-0.31												1		-5.14N,	162
5-04	1393+56.00	8.00	-0.32			1											-6.2N, -6.2S, -7.05W,	162
5-05	1393+71.00	9.00	-0.31												1		-6.14S,	162
5-06	1393+56.00	-44.00	-2.57			1											-8.45N, -8.45S, -8.83W, -8.58E,	
5-07	1393+71.00	-45.00	-2.56												1		-8.39S,	
5-08	1393+53.00	-55.00	-1.25								1						-9.57N, -9.01E,	
5-09	1395+02.00	-61.00	0.75								1						-10.63N, -9.88S, -8.02NE,	
5-10	1395+10.00	-48.00	-1.99			1											-7.82E, -7.92SW,	
5-11	1395+16.00	8.00	0.49			1											-5.34W,	162
5-12	1396+69.00	-48.00	-0.46			1											-6.29NW,	
5-13	1396+78.00	-53.00	-0.2								1						-10.95N, -10.85S, -6.39SE,	
5-14	1393+41.00	-45.00	-2.56												1		-8.39N,	
5-15	NOT USED																	
5-16	1394+98.00	-55.00	-2.35			1											-5.23NW,	
6-01	1398+19.00	-52.00	2.1														-9.83N, -11.16S, -9.83W, -11.66E, -3.74NW, -4.87NE	
6-02	NOT USED																	
6-03	1398+32.00	-57.50	2.5			1											-3.33SE,	
6-04	1398+23.00	-48.00	0.98														-4.85SW,	
6-05	1398+30.00	8.00	3.46			1											-2.37S,	
6-06	1399+68.00	-52.00	3.5												1		-3.99N, -9.08S, -2.33W,	
6-07	1399+75.00	-48.00	1.94			1											-3.89S,	
7-01	1403+26.00	8.00	4.15			1											-1.68SW,	162
7-02	1403+26.00	-39.00	2.23														-7.45N, -3.6E, -3.99SW,	
7-03	1403+18.00	-44.00	1.94			1											-3.89N,	
7-04	1404+88.00	-60.00	3.03					1									-4.13N,	
7-05	1405+12.00	-39.00	1.29														-10.32N, -8.16S, -4.54E, -4.79SW,	
7-06	1405+12.00	8.00	2.72			1											-3.23W,	162
7-07	1406+94.00	-46.00	0.24			1											-5.59SE,	
7-08	1406+94.00	-39.00	0.57														-11.12N, -10.85S, -5.69NW, -11.62SE	
7-09	NOT USED																-5.6N, -11.68NW, -11.78SE	162
7-10	1406+94.00	8.00	0.33			1											-5.5S,	162
7-11	1405+06.00	-46.00	1.34			1											-4.49SW, -4.74NE	
8-01	1408+94.00	8.00	-1.59			1											-7.42SW,	162
8-02	1408+50.00	-39.00	-0.1														-10.66N, -10.91S, -6.23W, -7.65E,	
8-03	1408+52.00	-44.00	-0.36			1											-6.19E,	
8-04	1409+25.00	-39.00	-0.55														-10.55S, -7.24W, -9.3E,	



REVISIONS	
NAME	DATE
ADDENDUM	8/12/05
ADDENDUM	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 DRAINAGE SCHEDULE  
 PROPOSED DRAINAGE STRUCTURES  
 SCALE: 1" = N.T.S.  
 DATE: 7/7/05  
 DRAWN BY: MJU  
 CHECKED BY: LPN

NOTE:  
 OFFSET FOR DRAINAGE STRUCTURES IS  
 TO THE CENTER OF THE FRAME AND GRATE.



SCHEDULE OF DRAINAGE STRUCTURES

STR. #	STATION	OFFSET	RIM ELEVATION	CB, TA, 4D TIF OL	CB, TA, 4D TBG	CB, TA, 4D T20 F&G	CB, TA, 5D TIF OL	CB, TA, 5D T20 F&G	CB, TC, 2D T20 F&G	MH, TA, 4D TIF CL	MH TA 5D TIF CL	MH TA 6D TIF CL	DR STR T1 W/2 T20 F&G	DR STR T2 W/2 T22 F&G	INLET, TYPE B, TIF OL	INLET, TYPE B, T 20 F&G	INVERT ELEVATION	TEMP SOIL RET. SYSTEM (SQ FT)
8-05	1409+66.00	8.00	-3.15			1											-8.98S,	162
8-06	1410+29.00	-44.00	-1.5			1											-7.33N,	
8-07	1412+94.00	-39.00	-3.57								1						-11.02S, -10.27E,	
8-08	1411+04.00	-39.00	-1.93								1						-12.12N, -7.76S, -8.03W, -12.69E,	
8-09	NOT USED																	119
8-10	1411+50.00	-45.00	-2.19													1	-8.02N,	
8-11	1411+65.00	-44.00	-2.2			1											-8.08N, -8.08S, -8.33E,	
8-12	1411+80.00	-45.00	-2.19													1	-8.02S,	
8-13	1411+63.00	-39.00	-2.07								1						-11.71N, -11.91S, -8.41W,	
8-14	1411+50.00	9.00	-4.65			1											-10.85N, -10.95S,	119
8-15	1411+65.00	8.00	-4.66			1											-10.54N, -10.79S, -10.26W,	108
8-16	1411+80.00	9.00	-4.65													1	-10.48S,	108
8-17	NOT USED																	
8-18	1412+36.00	-44.00	-2.05			1											-8.64E, -8.54NW,	
8-19	1412+45.00	-39.00	-1.83								1						-11.22N, -11.43S, -8.67SW,	
8-20	1412+94.00	8.00	-3.98			1											-10.05W,	103
9-01	1413+55.00	-44.00	-1.27			1											-7.10NE,	
9-02	1413+65.00	-39.00	-1.14							1							-9.96N, -7.13W,	
9-03	1415+01.00	6.50	-2.72			1											-8.56W,	101
9-04	1415+01.00	-39.00	-0.22							1							-10.86N, -10.61S, -8.78E,	
9-05	1416+90.00	-44.00	0.86			1											-4.97E,	
9-06	1416+87.00	-39.00	0.96								1						-10.9N, -11.53S, -5.07W, -12.53E,	
9-07	NOT USED																	
9-08	1417+14.00	7.00	-1.4			1											-7.23S,	122
9-09	1418+94.00	-39.00	2.26								1						-9.87N, -10.37S, -3.7W, -6.42E,	
9-10	1418+94.00	-44.00	2.16			1											-3.67E,	
9-11	1418+94.00	8.00	-0.33			1											-6.15W,	162
9-12	1413+54.67	-50.58	-5.2						1								-8.2W,	
9-13	1415+61.63	-52.31	-4.15						1								-7.30SW,	
9-14	1417+09.94	-48.89	-3.21						1								-6.21SW,	
9-15	1418+29.39	-51.03	-2.15						1								-5.3SW,	
10-01	1420+75.00	-39.00	3.4								1						-9.09N, -9.29S, -2.58W, -5.24E,	
10-02	1420+75.00	-44.00	3.28			1											-2.54E,	
10-03	1420+75.00	8.00	0.81			1											-5.01W,	162
10-04	1421+90.00	-44.00	4			1											-1.82E,	
10-05	1421+90.00	-39.00	4.12								1						-8.73S, -1.92W, -4.52E,	
10-06	1421+88.00	8.00	1.52			1											-4.3W,	162
10-07	1423+14.00	-39.00	3.81								1						-9.53N, -10.03E, -2.46SW,	
10-08	1423+15.00	-44.00	3.61			1											-2.24W, -2.44NE,	
10-09	NOT USED																	
10-10	1423+10.00	8.00	2.46			1											-3.36SW,	
10-11	1424+07.00	-41.00	3.71								1						-9.16N, -9.36S, -3.79W,	
10-12	1424+96.00	-39.00	3.84								1						8.25N, 9S, -2.76E, -2.26NW,	
10-13	1425+00.00	-44.00	3.61			1											-2.22SE,	
10-14	1425+00.00	8.00	3.37			1											-2.46W,	162
10-15	1420+33.05	-52.00	-0.58							1							-4.51N, -5.58S, -4.51W,	
10-16	1420+41.79	-52.46	-0.48						1								-4.48N, -4.48S,	
10-17	1421+44.69	-51.32	0.31						1								-3.89S,	
11-01	1426+87.00	8.00	3.43			1											-2.4W,	162
11-02	1426+87.00	-40.00	3.87								1						-7.65S, -2.63E, -2.70NW,	
11-03	1427+20.00	-44.00	3.6			1											-2.55SE, -2.45NW,	
11-04	1428+87.00	-44.00	2.91														-3.33NE, -3.23SW,	
11-05	1428+81.00	8.00	2.7			1											-3.13N,	162
11-06	1429+55.00	-39.00	2.81								1						-10.35N, -10.45E, -3.65SW, 5.24W,	
11-07	NOT USED																	
11-08	1430+99.00	-39.00	2.1														-9.97N, -10.07S, -4.44W, -4.43E,	
11-09	1430+99.00	8.00	1.62			1											-4.21W,	162
12-01	1430+99.00	-44.00	1.9			1											-4.41E,	
12-02	1431+24.00	-39.00	1.98								1						-9.83N, -9.93S, -5.45W,	
12-03	1433+11.00	8.00	0.57			1											-5.26W,	162
12-04	1433+11.00	-39.00	1.05								1						-9.37N, -9.47S, -5.08W, -5.46E,	
12-05	1433+11.00	-44.00	0.85			1											-4.98E,	
12-06	1434+91.00	8.00	-0.32			1											-6.15W,	162
12-07	1434+91.00	-39.00	0.16								1						-8.82N, -9.02S, -6.35E, -7.27W,	
12-08	1435+56.00	-44.00	-0.41			1											-6.24E,	



NOTE:  
OFFSET FOR DRAINAGE STRUCTURES IS  
TO THE CENTER OF THE FRAME AND GRATE.

REVISIONS	
NAME	DATE
ADDENDUM	8/12/05
ADDENDUM	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
DRAINAGE SCHEDULE  
PROPOSED DRAINAGE STRUCTURES  
SCALE: 1" = N.T.S.  
DATE: 7/7/05  
DRAWN BY: MJJ  
CHECKED BY: LPN

09/14/2005 10:05:4 AM

SCHEDULE OF DRAINAGE STRUCTURES

STR. #	STATION	OFFSET	RIM ELEVATION	CB, TA, 4D TIF OL	CB, TA, 4D T8G	CB, TA, 4D T20 F&G	CB, TA, 5D TIF OL	CB, TA, 5D T20 F&G	CB, TC, 2D T20 F&G	MH, TA, 4D TIF CL	MH TA 5D TIF CL	MH TA 6D TIF CL	DR STR T1 W/2 T20 F&G	DR STR T2 W/2 T22 F&G	INLET, TYPE B, TIF OL	INLET, TYPE B, T 20 F&G	INVERT ELEVATION	TEMP SOIL RET. SYSTEM (SQ FT)
12-09	1435+56.00	-39.00	-0.17								1						-8.57N, -8.67S, -6.34W,	
12-10	1436+50.00	-39.00	-0.65								1						-8.29N, -8.35S, -7.18E, 8.20W	
12-11	1436+50.00	8.00	-1.13			1											-6.96W,	162
12-12	1436+97.00	9.00	-1.24													1	-7.07N,	162
12-13	1436+97.00	-45.00	-1													1	-6.83N,	
13-01	1437+12.00	-44.00	-1.01			1											-7.1N, -6.89S, -7.2E,	
13-02	1437+31.00	-45.00	-1													1	-7.05S,	
13-03	1437+12.00	-39.00	-0.77								1						-8.05N, -8.15S, -7.22W, -7.62E,	
13-04	NOT USED																	
13-05	1437+12.00	8.00	-1.25			1											-7.13N, -7.13S, -7.38W,	162
13-06	1437+27.00	9.00	-1.24													1	-7.07S,	162
13-07	1438+00.00	8.00	-1.02			1											-6.85W,	162
13-08	1438+00.00	-39.00	-0.54								1						-7.34N, -7.84S, -7.07E,	
13-09	1438+46.00	-44.00	-0.47			1											-6.40E, -6.30W,	
13-10	1438+46.00	-39.00	-0.23								1						-6.95N, -7.20S, -6.50W,	
13-11	1439+69.00	-39.00	0.98								1						-5.67N, -6.42S, -5.51E, -5.51W	162
13-12	1439+69.00	8.00	0.54			1											-5.29W,	
13-13	1440+81.00	-44.00	1.87			1											-3.96E,	
13-14	1441+71.00	-42.00	2.78							1							-4.28S, -4.04E, -4.04W	162
13-15	1441+71.00	8.00	2.46			1											-3.74W,	
13-16	1440+81.00	-39.00	2.11							1							-4.82N, -4.92S, -4.03W,	
14-01	1445+39.00	-40.00	2.49								1						-8.26N, -3.93W, -9.26E,	
14-02	NOT USED																	
14-03	1445+39.00	-44.00	2.33			1											-3.91E, -3.81W	
14-04	1445+58.00	8.00	1.92			1											-3.91S,	
14-05	308+51.00	-5.00	-0.58			1											-6.82E, -6.72W	
14-06	1447+55.00	-41.00	0.31								1						-6.44N, -7.79S, -6.89W, -6.10E,	
14-07	1447+55.00	8.00	-0.05			1											-5.88W,	162
14-08	1448+00.00	-44.00	-0.3			1											-6.14SE,	
15-01	310+44.00	-29.00	-3.73													1	-9.66N, -9.56W	
15-02	1449+49.00	-44.00	-1.65			1											-7.48NE,	
15-03	1449+62.00	-39.00	-1.46							1							-10.77N, -10.18W, -8.00E, -7.53SW,	
15-04	NOT USED																	
15-05	310+44.00	7.00	-3.21														-9.04N,	
15-06	310+59.00	6.00	-3.22			1											-9.1N, -9.1S, -10.02W, -10.12E	
15-07	310+74.00	7.00	-3.21														-9.04S,	
15-08	310+59.00	-28.00	-3.74			1											-9.62N, -9.72S, -9.82E,	
15-09	310+74.00	-29.00	-3.73														-9.56S,	
15-10	1450+19.00	-45.00	-1.94								1						-7.77N,	
15-11	1450+34.00	-44.00	-1.95			1											-7.83S, -8.08E,	
15-12	1450+49.00	-45.00	-1.94														-7.77S,	
15-13	1450+39.00	-39.00	-1.71														-10.12N, -11.22S, -11.32E, -8.12SW,	
15-14	1449+49.00	9.00	-1.94			1											-7.77W,	162
15-15	1450+19.00	9.00	-2.18														-8.01N,	162
15-16	1450+34.00	8.00	-2.19			1											-8.07S, -8.17NW,	162
15-17	1450+49.00	9.00	-2.18			1											-8.01SW,	
15-18	NOT USED																	
15-19	1451+35.00	9.00	-1.83			1											-7.66W,	162
15-20	311+92.00	-28.00	-3.01			1											-9.25NE, -9.15W	
15-21	1451+35.00	-39.00	-1.35														-9.76N, -9.86S, -9.76W, -7.89E,	
15-22	313+70.00	6.00	-0.47			1											-6.3E,	
15-23	1452+73.00	-39.00	-0.05								1						-9.26N, -9.36S, -6.4W,	
15-24	1453+32.00	-44.00	0.2			1											-6.86W, -6.96E,	
15-25	1453+32.00	8.00	-0.04			1											-5.87W,	162
15-26	314+28.00	-24.00	-0.52			1											-6.76E, -6.66W	
15-27	312+32.00	-19.00	-2.2							1							-9.51E, -9.41SW,	
15-28	1451+35.00	-44.00	-1.55			1											-9.63W, -9.73E,	
15-29	1453+32.00	-39.00	0.4							1							-9.10S, -6.99W, -6.1E,	
16-01	318+64.00	-19.00	-0.15								1						-8.56N, -6.55E, -6.40SW, -8.00SW	
16-02	NOT USED																	
16-03	1457+69.00	8.00	-0.26			1											-6.09W,	162
16-04	1457+69.00	-40.00	0.14	1													-6.46W, -6.36E	
16-05	1459+77.00	-56.00	-0.17								1						-9.75N, -9.05S, -9.30W, -6.4E	
16-06	1459+71.00	-58.00	-1.99			1											-9.02W, -9.27NE	
16-07	1459+77.00	8.00	-0.26			1											-6.09W,	162
17-01	1460+20.00	-58.00	-2.14														-7.97N,	



ONE NORTH FRANKLIN  
CHICAGO, IL 60606  
PHONE: (312) 251-3000  
FAX: (312) 251-3015  
WEB: WWW.EKCORP.COM

NOTE:  
OFFSET FOR DRAINAGE STRUCTURES IS  
TO THE CENTER OF THE FRAME AND GRATE.

REVISIONS	
NAME	DATE
ADDENDUM	8/12/05
ADDENDUM	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
DRAINAGE SCHEDULE  
PROPOSED DRAINAGE STRUCTURES  
SCALE: 1" = N.T.S.  
DATE: 7/7/05  
DRAWN BY: MJO  
CHECKED BY: LPN

09/14/2005 10:27:24 AM



SCHEDULE OF DRAINAGE STRUCTURES

F.A.I. SECTION COUNTY TOTAL SHEET  
 RTE. 94/90 COOK 598 137  
 STA. TO STA.  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 62302 • (1818, ETC, 2324.6-1)PR-9

STR. #	STATION	OFFSET	RIM ELEVATION	CB, TA, 4D TIF OL	CB, TA, 4D T8G	CB, TA, 4D T20 F&G	CB, TA, 5D TIF OL	CB, TA, 5D T20 F&G	CB, TC, 2D T20 F&G	MH, TA, 4D TIF CL	MH TA 5D TIF CL	MH TA 6D TIF CL	DR STR T1 W/2 T20 F&G	DR STR T2 W/2 T22 F&G	INLET, TYPE B, TIF OL	INLET, TYPE B, T 20 F&G	INVERT ELEVATION	TEMP SOIL RET. SYSTEM (SQ FT)
22-05	1492+66.00	-51.00	8.28								1					△	-4.11N, -3.36S, 2.12W, 1.98E, 2.22E,	
22-06	1492+66.00	-56.00	8.05			1											-4.61N, -4.81S, -0.25S	
22-07	1494+12.00	-51.00	6.79								1						-5.47N, -4.97S, 0.19W, -0.06E, 0.24E,	
22-08	1494+63.00	-51.00	6.27								1						0.24W,	162
22-09	1494+63.00	-56.00	6.07			1											-3.13N, -2.93S, 2.17W	
22-10	1494+63.00	8.00	6.07			1											-2.05E, -1.95W,	
22-11	1491+97.00	-51.00	8.98								1						-5.97N, -5.77S, -2.08W, -1.87E,	
23-01	1496+43.00	-56.00	4.19			1											-6.41N, -6.21S,	
23-02	1496+43.00	-54.00	4.31								1						-1.56W,	162
23-03	1497+90.00	-51.00	2.69														-3.74N,	162
23-04	1496+43.00	7.00	4.27			1											-5.85E, -5.75W	
23-05	1498+57.00	6.00	2.09			1											-8.42N, -6.55S, -5.95W, -8.77E,	
23-06	1498+73.00	-56.00	1.85														-3.88S, -8.87W, -9.07E,	
23-07	1498+76.00	-51.00	2.06								1						-7.76S, -6.03E, -7.26NW,	
23-08	1498+83.00	4.00	1.95														-5.74W,	162
23-09	1500+54.00	-51.00	0.25							1							-7.13SE, -7.03W	
23-10	1500+54.00	6.00	0.09			1											-7.65W,	162
23-11	1500+75.00	-56.00	-0.2			1											-8.66N, -8.76E,	
24-01	1502+61.00	6.00	-1.82														-9.29N, -8.79W, -7.96E,	
24-02	1502+61.00	-56.00	-1.9			1											-8.56S, -8.46W	
24-03	1502+61.00	-51.00	-1.7							1							-9.13N, -9.03W	
24-04	1502+76.00	-56.00	-2.03														-8.14N, -9.24S, -8.49E,	
24-05	1503+48.00	-57.00	-2.25														-8.08S,	
24-06	1503+59.00	-56.00	-2.26			1											-9.87N, -9.62S, -9.52W,	
24-07	1503+74.00	-57.00	-2.25								1						-8.00N,	162
24-08	1503+59.00	-51.00	-2.26														-8.31N, -8.06S,	162
24-09	1503+48.00	7.00	-2.17														-8.52N, -8.42S,	162
24-10	1503+59.00	6.00	-2.18			1											-10.15N, -10.07S, -10.7E, -8.16SW,	
24-11	1503+74.00	7.00	-2.17														-7.89N, -8.99S, -10.8W, -10.9E,	
24-12	NOT USED																-8.06NE, -7.96W	
24-13	1504+19.00	-51.00	-2.12								1						7.71N,	162
24-14	1504+17.00	5.00	-1.96								1						-5.32E,	
24-15	1504+20.00	-56.00	-2.14			1											-5.24W,	162
24-16	1504+57.00	6.00	-1.88			1											9.47N, 9.67S, 5.36W, 5.56E	
24-17	1506+59.00	-56.00	0.51														-9.14N, -9.34S, -5.60W	
24-18	1506+59.00	6.00	0.59			1											-8.69N, -8.89S,	
24-19	1506+59.00	-51.00	0.47								1						-1.86SE,	
24-20	1507+28.00	-51.00	1.55														-1.86W,	162
25-01	331+84.00	-19.00	3.56			1											-8.16N, -8.66S, -1.95W, -2.16E,	
25-02	332+12.00	-18.00	3.97														-0.09E,	
25-03	1508+83.00	6.50	3.97			1											-6.67N, -0.86S, -0.38W, -0.17E,	
25-04	332+06.00	-19.00	3.88								1						0.33N, -7.42W,	162
25-05	333+55.00	-20.00	6.05			1											1.01S,	162
25-06	1510+26.00	-40.00	6.4														-5.73N, -5.93S, 1.13W,	
25-07	1510+26.00	4.00	6.16							1							1.23E, 1.33W	
25-08	1510+96.00	6.50	6.84			1											-4.96S, 2.5W, 2.49E,	
25-09	1511+59.00	-42.00	7.77								1						2.71W,	162
25-10	334+85.00	-20.00	7.47			1											2.52E,	
25-11	1512+96.00	-39.00	8.9														-7.68S, -7.48E, -0.1NW,	
25-12	1512+96.00	6.00	8.54			1											-0.21N,	
25-13	1512+96.00	-44.00	8.66														-0.85N, -0.75S,	
25-14	333+52.00	-18.00	6.11														1.94S,	
25-15	1509+64.00	-39.00	5.62	1													1.91S, 1.81NE,	
25-16	1510+22.00	-40.00	6.44	1													1.19E, 1.44SW,	
25-17	1511+63.00	-42.00	7.77	1													-5.08N, -4.88S, -3.96W, 2.48E,	
26-01	338+47.00	-22.00	8.84	1													-4.08N, 1.09W,	
26-02	339+03.00	3.00	8.47			1											2.69W,	162
26-03	1517+46.00	-39.00	8.84														-3.73E,	
26-04	1515+75.00	-39.00	9.48														-3.83W, -3.93E,	
26-05	1517+46.00	5.00	8.52			1											0.49NE,	
26-06	340+75.00	3.00	7.75			1											-6.51N, -6.01S, 0.78E, 0.28SW,	
26-07	1517+46.00	-44.00	8.64														0.99W,	162
26-08	342+59.00	3.00	6.23			1											0.39SW, 0.29NE	
26-09	1519+45.00	-39.00	7.15								1							
26-10	1519+42.00	5.00	6.82			1												
26-11	1519+43.00	-44.00	6.98															



NOTE:  
 OFFSET FOR DRAINAGE STRUCTURES IS  
 TO THE CENTER OF THE FRAME AND GRATE.

REVISIONS	
NAME	DATE
△ ADDENDUM	8/12/05
△ ADDENDUM	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 DRAINAGE SCHEDULE  
 PROPOSED DRAINAGE STRUCTURES  
 SCALE: 1" = N.T.S.  
 DATE: 7/7/05  
 DRAWN BY: MJJ  
 CHECKED BY: LPN

PA030019035 Con #4815ACADVIS DS150022E.GIT 09/14/2005 10:32:26 AM

### SCHEDULE OF DRAINAGE STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	RIM ELEVATION	CB TA 4 DIA TIF OL	CB TA 4 DIA T2OF&G	CB TA 5 DIA TIF OL	CB TA 5 DIA T2OF&G	CB TC 2 DIA T2OF&G	MAN TA 4 DIA TIF CL	MAN TA 5 DIA TIF CL	MAN TA 6 DIA TIF CL	DR STR T1 W/2 T2OF&G	DR STR T2 W/2 T2F&G	IN TB TIF OL	IN TB T2OF&G	CB TA 4 DIA T8G	INVERT ELEVATIONS	TEMP. SOIL RET. SYSTEM (SQ FT)				
44-22	1624+20.0	56.8' LT	-1.80														-11.04S,					
44-23	1624+05.0	61.5' LT	-3.31		1												-11.14NW,					
44-24	1624+05.0	56.8' LT	-1.92		1												-11.14N, -11.24E,					
44-25	1621+88.4	3.5' RT	-1.77							1							-13.63NW, -13.73S, -11.73NE,					
44-26	1624+80.0	6.5' RT	-0.88		1												△ -6.1N, -6.2S,					
45-01	1626+45.0	7.5' RT	0.20		1												-4.88S, -4.98W,	162				
45-02	1626+45.0	51.5' LT	0.35							1							-11.93S, -5.53E, -10.93W,					
45-03	1626+25.0	61.5' LT	-0.97						1								-10.47SW, -10.57N,					
45-04	1626+58.0	61.5' LT	-0.62						1								-10.53NW, -10.63S,					
45-05	1626+45.0	61.5' LT	-0.75									1					-10.73N, -10.73S, -10.73W,					
45-06	1626+45.0	56.8' LT	0.14														-10.83E,					
45-07	1630+88.0	7.5' RT	0.18		1												△ -5.02W, -4.92N,	162				
45-08	1630+88.0	51.5' LT	0.33						1								-7.72N, -5.57E, -5.12W,					
45-09	1631+28.0	7.5' RT	1.18		1												-4.56S, -4.46NE,	162				
45-10	1630+88.0	56.8' LT	0.12		1												-5.02E, -4.92W,					
46-01	1632+42.0	7.5' RT	-1.35		1												-6.39SE, -6.49W, -6.39N,	162				
46-02	1632+42.0	51.5' LT	-1.19							1							-8.22S, -9.39N, -6.64W, -7.04E,					
46-03	1633+10.0	7.5' RT	-0.35		1												-5.65NE, -5.75S,	162				
46-04	1632+42.0	56.8' LT	-1.40		1												-6.54E, -6.44W,					
46-05	1633+90.0	7.5' RT	-2.81		1												-7.98W, -7.88SE,	162				
46-06	1633+90.0	51.5' LT	-2.65							1							-9.73S, -10.73N, -8.13W, -8.53E,					
46-08	1633+90.0	56.8' LT	-2.86		1												-8.03E, -7.93W,					
46-09	1635+05.0	7.5' RT	-3.93		1												-9.07W,	162				
46-10	1635+05.0	51.5' LT	-3.77							1							-10.98S, -11.57N, -9.27W, -9.62E,					
46-12	1635+05.0	56.8' LT	-3.98		1												-9.17E,					
46-13	1636+30.0	10.4' RT	-4.50		1												-9.74N,	162				
46-14	1636+45.0	10.9' RT	-4.50		1												-9.85SE, -9.95W, -9.85S,	162				
46-15	1636+45.0	51.5' LT	-4.21							1							-11.83S, -13.53N, -13.28W, -10.53E,					
46-17	1636+30.0	56.8' LT	-4.44		1												-12.98N,					
46-19	1636+45.0	56.8' LT	-4.42		1												-13.18E, -13.08S, -13.08W,					
46-21	1637+42.0	56.8' LT	-3.89		1												-14.76E, -14.66W,					
46-22	1637+42.0	51.5' LT	-3.68								1						-12.01N, -13.65S, -14.86W, -14.96E,					
46-23	1637+48.6	11.3' RT	-3.99								1						-15.07W, -16.71E,	162				
47-01	1638+85.0	11.2' RT	-2.05		1												-7.22W,	162				
47-02	1638+85.0	51.5' LT	-1.74							1							-9.58N, -11.5S, -7.5W, -7.8E,					
47-04	1638+85.0	56.8' LT	-1.95		1												-7.4E, -7.3W,					
47-05	1641+05.0	11.2' RT	2.01	1													-3.13W,	162				
47-06	1641+05.0	51.5' LT	2.31							1							-5.5N, -8.91S, -5.41W, -3.71E,					
47-08	1641+05.0	56.8' LT	2.10		1												-5.31E, -5.21W,					
47-09	1643+13.0	7.0' RT	5.99	1													0.82W,	162				
47-10	1643+13.0	54.3' LT	6.13							1							-5.05S, -2.11N, -0.35W, 0.25E,					
47-12	1643+13.0	59.6' LT	5.92	△	1				△			△					-0.25E, -0.15W,					
TOTALS				△	19	268	1	2	6	△	47	152	6	△	52	4	△	0	35	2	△	34555

**BOWMAN, BARRETT & ASSOCIATES INC.**  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.226.0100  
www.bbandainc.com

REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. 94/90 (DAN RYAN EXPRESSWAY)**  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
DRAINAGE SCHEDULES  
PROPOSED STRUCTURES

SCALE: 1"=N.T.S.      DRAWN BY: OC  
DATE: 07/07/05      CHECKED BY: DDM

DS-25

08/14/2005 04:47:44 PM

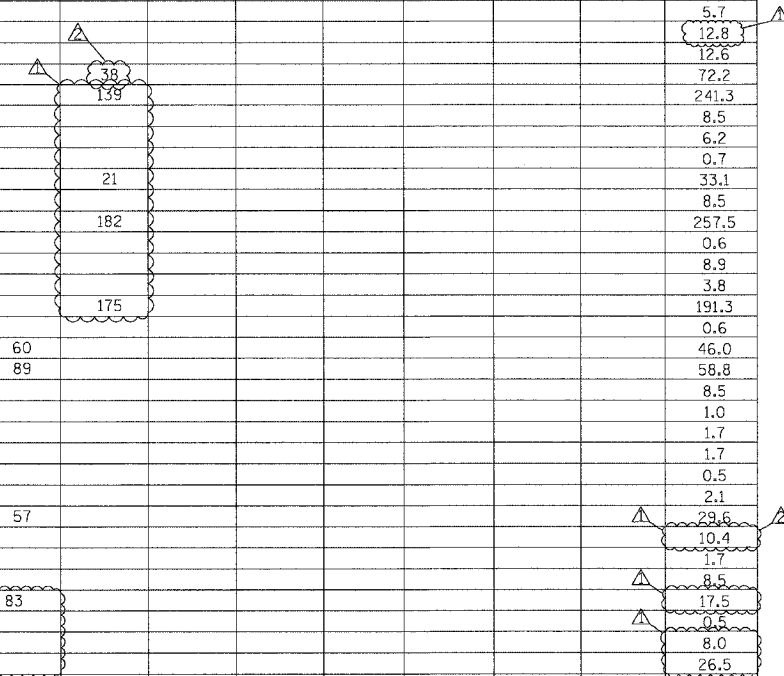




SCHEDULE OF STORM SEWERS

F.A.I. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	598	147
STA.		TO STA.		
62302		ILLINOIS FED. AID PROJECT		
1818, ETC, 2324.6-1P1R-9				

FROM STRUCTURE	TO STRUCTURE	SLOPE %	SS CL A T1 12	SS CL A T1 15	SS CL A T1 18	SS CL A T1 21	SS CL A T1 27	SS CLA T2 12	SS CLA T2 15	SS CLA T2 18	SS CLA T2 21	SS CLA T2 24	SS CLA T2 27	SS CLA T2 30	SS CLA T2 33	SS CLA T2 36	SS CL A T2 42	SS CLA T2 48	SS CLA T3 21	SS CLA T3 24	SS CLA T3 27	SS CLA T3 30	SS CLA T3 36	TRENCH BACKFILL
8-16	8-15	0.50	11																					1.7
8-14	8-19*	0.50		41																				9.7
8-18	8-19	1.26		2																				0.5
EXIST.	8-18	0.50		8																				1.5
8-07	8-19	0.35									56													40.5
8-19	8-13	0.35									80													67.2
8-20	8-07	0.50	43																					8.3
9-01	9-02	1.12	9																					1.6
9-02	9-04	0.45							145															127.9
9-03	9-04	0.50						43																12.9
9-04	9-06	0.36								186														235.5
9-05	9-06	2.50	4																					0.7
9-06	9-11*	0.15														40								64.3
9-08	9-11*	0.65	26																					4.5
9-09	9-06	0.25											208											295.2
9-10	9-09	1.68	6																					1.0
9-11	9-09	0.61						44																13.2
9-12	EXIST.	1.00	7																					0.5
9-13	EXIST.	1.00	8																					0.5
9-14	EXIST.	1.00	6																					0.5
9-15	EXIST.	1.00	9																					0.5
10-01	9-09	0.32									180													248.4
10-02	10-01	1.44	3																					0.5
10-03	10-01	0.50						45																13.5
10-04	10-05	3.30	3																					0.5
10-05	10-01	0.32									114													209.1
10-06	10-05	0.50						44																13.2
10-07	10-06*	0.15														41								76.0
10-08	10-07	2.00	2																					0.5
10-10	10-06*	2.00	2																					0.5
10-11	10-07	0.18												97										169.1
10-12	10-11	0.18												84										138.9
10-13	10-12	2.00	2																					0.5
10-14	10-12	0.65	45																					8.7
10-15	EXIST.	0.50	217																					21.8
10-16	10-15	0.43	7																					0.9
10-17	10-16	0.56	106																					15.1
11-01	11-02	0.50	46																					8.9
11-02	10-12	0.32									187													251.0
11-03	11-02	0.34		30																				5.7
11-04	11-06	0.50		64																				12.8
11-05	11-01*	0.50	73																					12.6
11-06	11-01*	0.23																						12.6
11-08	11-06	0.20																						72.2
11-09	11-08	0.50	44																					241.3
EXIST.	11-06	0.50	5																					6.2
12-01	11-08	1.12	3																					0.7
12-02	11-08	0.20																						33.1
12-03	12-04	0.50	44																					8.5
12-04	12-02	0.20																						257.5
12-05	12-04	3.30	3																					0.6
12-06	12-07	0.50	46																					8.9
EXIST.	12-07	1.00	4																					3.8
12-07	12-04	0.20																						191.3
12-08	12-09	3.30	3																					0.6
12-09	12-07	0.25														60								46.0
12-10	12-09	0.25														89								58.8
12-11	12-10	0.50	44																					8.5
EXIST.	12-10	1.00	5																					1.0
12-12	13-05	0.50	11																					1.7
12-13	13-01	0.50	11																					1.7
13-01	13-03	1.00																						0.5
13-02	13-01	0.32		2																				2.1
13-03	12-10	0.25		15																				2.1
13-05	13-03	0.54		44												57								29.6
13-06	13-05	0.50	11																					10.4
13-07	13-08	0.50	44																					1.7
13-08	13-03	0.25																						8.5
13-09	13-10	3.30	3																					17.5
13-10	13-08	0.35																						0.5
13-11	13-10	0.50																						8.0
13-12	13-11	0.50	44																					26.5
13-13	13-16	3.60	2																					13.5
13-14	13-16	0.63																						0.5
13-15	13-14	0.62	49																					33.0
										86														11.6



NOTE: \* INDICATED STRUCTURE HAS BEEN CONSTRUCTED IN CONTRACT 62300



REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 DRAINAGE SCHEDULE  
 PROPOSED STORM SEWER PIPES

SCALE: DATE: 7/7/05 DRAWN BY: CHECKED BY:

P:\030019\030035\Can 14815\NADD\US150032.rvt 09/14/2005 10:44:42 AM DS-27

SCHEDULE OF STORM SEWERS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	598	149
STA.		TO STA.		
62302		11818, ETC, 2324.6-1PR-9		

FROM STRUCTURE	TO STRUCTURE	SLOPE %	SS CL A T1 12	SS CL A T1 15	SS CL A T1 18	SS CL A T1 21	SS CL A T1 27	SS CLA T2 12	SS CLA T2 15	SS CLA T2 18	SS CLA T2 21	SS CLA T2 24	SS CLA T2 27	SS CLA T2 30	SS CLA T2 33	SS CLA T2 36	SS CL A T2 42	SS CLA T2 48	SS CLA T3 21	SS CLA T3 24	SS CLA T3 27	SS CLA T3 30	SS CLA T3 36	TRENCH BACKFILL
19-11	19-10	0.50	11																					2.1
19-12	19-03	0.34								61														18.7
19-13	19-14	0.54	56																					10.9
19-14	19-12	0.57						91																23.6
19-15	19-14	2.00	5																					1.1
19-16	19-23	0.50								38														12.6
19-17	19-16	0.50	54																					9.3
19-18	19-16	0.64	4																					0.7
19-19	19-21	1.68	6																					1.2
19-20	19-22	1.12	9																					1.7
19-23	19-21	0.50								141														111.8
19-21	19-22	0.12																						66.7
20-01	19-21	0.20																						73.6
20-02	20-01	0.20																						91.3
20-03	20-02	1.70	6																					1.0
20-04	20-02	0.58	51																					8.8
20-05	20-07	3.30	3																					0.5
20-06	20-07	0.52	55																					9.5
20-07	20-11	0.40												31										39.1
20-11	20-02	0.40												135										150.1
20-08	20-07	0.40												197										281.1
20-09	20-08	2.00	2																					0.5
20-10	20-08	0.50	55																					9.5
21-01	20-08	0.55									210													298.0
21-02	21-01	1.12	3																					0.6
21-03	21-01	0.58	52																					9.0
EXIST.	21-01	0.50	14																					2.7
22-01	22-03	3.30	3																					0.6
22-02	22-03	0.55	56																					9.7
22-03	22-11	0.50																						162.9
22-04	22-05	0.55	55																					9.5
22-05	22-07	0.35												142										209.2
22-06	22-05	3.30	3																					0.6
22-07	22-08	0.35												46										61.5
22-08	23-02	0.17																						219.4
22-09	22-08	1.68	3																					0.6
22-10	22-08	0.55	55																					10.7
22-11	22-05	0.36																						86.9
EXIST.	22-07	1.00						3																2.9
EXIST.	22-11	1.00						3																3.4
23-01	23-02	1.00		3																				0.6
23-02	23-03	0.17																						129.9
23-03	23-07	0.17																						57.4
23-04	23-02	0.56	56																					10.9
23-05	23-08	0.61	23																					3.5
23-06	23-07	3.34	3																					0.6
23-07	23-08	0.20																						69.4
23-09	23-07	0.38												173										124.6
23-10	23-09	0.53	55																					9.5
23-11	23-09	0.78	17																					5.1
24-01	24-03	0.55	57																					9.9
24-02	24-03	1.00	3																					0.7
24-03	24-08	0.35																						24.1
24-04	24-02	0.92	11																					2.1
24-05	24-06	1.57	7																					1.2
24-06	24-08	1.00		3																				0.9
24-07	24-06	0.50	11																					2.1
24-08	24-13	0.33																						22.8
24-09	24-10	0.50	11																					2.1
24-10	24-11	1.00		11																				2.1
24-11	24-14	1.00		47																				12.2
24-15	24-13	2.00	5																					1.0
24-13	24-14	0.20																						39.0
24-16	24-14	0.64	28																					5.4
24-17	24-19	1.33	3																					0.6
24-18	24-19	0.57	56																					8.5
24-19	24-13	0.21																						174.9
24-20	24-19	0.20																						70.1
EXIST.	24-20	0.50	5																					0.8
25-01	24-20	0.20																						179.3
25-02	25-04	3.00	3																					0.6
25-03	25-04	0.50	60																					10.4
25-04	25-01	0.20																						25.7
25-05	25-14	1.00																						0.5
25-06	25-14	0.35																						32.6

**Edwards AND Kelcey**  
 ONE NORTH FRANKLIN  
 CHICAGO, IL 60606  
 PHONE: (312) 251-3000  
 FAX: (312) 251-3015  
 WEB: WWW.EKCORP.COM

NOTE: \* INDICATED STRUCTURE HAS BEEN CONSTRUCTED IN CONTRACT 62300

REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION

DRAINAGE SCHEDULE  
 PROPOSED STORM SEWER PIPES

SCALE: DATE: 7/7/05

DRAWN BY: CHECKED BY:

DS-29

09/14/2005 11:05:24 AM

SCHEDULE OF STORM SEWERS

F.A.I. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	598	150A
STA.		TO STA.		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
62302 • (1818, ETC, 2324.6-1P/R-9				

FROM STRUCTURE	TO STRUCTURE	SLOPE %	SS CL A T1 12	SS CL A T1 15	SS CL A T1 18	SS CL A T1 21	SS CL A T1 27	SS CLA T2 12	SS CLA T2 15	SS CLA T2 18	SS CLA T2 21	SS CLA T2 24	SS CLA T2 27	SS CLA T2 30	SS CLA T2 33	SS CLA T2 36	SS CL A T2 42	SS CLA T2 48	SS CLA T3 21	SS CLA T3 24	SS CLA T3 27	SS CLA T3 30	SS CLA T3 36	TRENCH BACKFILL
PLUG	15-26	0.44	2																					0.5
PLUG	16-01	0.44	19																					6.8
PLUG	16-06	0.44	2																					0.6
PLUG	17-02	0.44	4																					1.0
PLUG	17-10	0.44	3																					0.6
PLUG	17-11	0.44	3																					0.6
PLUG	17-14	0.44	3																					0.5
PLUG	18-01	0.44	3																					0.5
PLUG	19-09	0.44	3																					0.5
PLUG	19-15	0.44	3																					1.0
PLUG	19-18	0.44	3																					0.5
PLUG	19-19	0.44	3																					0.5
PLUG	20-03	0.44	3																					0.5
PLUG	20-05	0.44	3																					0.5
PLUG	20-09	0.44	3																					0.5
PLUG	21-02	0.44	3																					0.5
PLUG	22-01	0.44	3																					0.5
PLUG	22-11	0.58	6																					1.5
PLUG	22-07	0.44	6																					1.6
PLUG	23-01	0.44	3																					0.5
PLUG	23-06	0.44	3																					2.3
PLUG	23-11	0.50		3																				0.8
PLUG	24-04	0.44	3																					0.6
PLUG	24-05	0.44	3																					0.7
PLUG	24-15	0.44	3																					0.5
PLUG	24-20	2.63	8																					2.3
25-14	25-18	0.31												79										135.8
PLUG	25-18	1.65	9																					3.8
PLUG	25-10	0.44	3																					0.5
PLUG	26-12	0.44	3																					0.5
PLUG	27-06	0.44		5																				0.9
PLUG	27-11	1.73	3																					0.5
PLUG	28-05	0.44	3																					1.0
PLUG	28-12	0.44	3																					0.7

NOTE: \* INDICATED STRUCTURE HAS BEEN CONSTRUCTED IN CONTRACT 62300



REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION

DRAINAGE SCHEDULE  
 PROPOSED STORM SEWER PIPES

SCALE: DATE: 7/7/05

DRAWN BY: CHECKED BY:

DS-30A

03/14/2005 10:05:50 AM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	598	159
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62302		(1818, ETC, 2324.6-IP)R-9		

### SCHEDULE OF STORM SEWERS

FROM STR. NO.	TO STR. NO.	LENGTH (FEET)	DIAMETER (INCHES)	SLOPE (%)	SS CL A 1, 12	SS CL A 1, 15	SS CL A 1, 18	SS CL A 1, 21	SS CL A 1, 24	SS CL A 2, 12	SS CL A 2, 15	SS CL A 2, 18	SS CL A 2, 21	SS CL A 2, 24	SS CL A 2, 27	SS CL A 2, 30	SS CL A 2, 33	SS CL A 2, 36	SS CL A 2, 42	SS CL A 2, 48	SS CL A 3, 12	SS CL A 3, 18	SS CL A 3, 21	SS CL A 3, 24	SS CL A 3, 30	SS CL A 3, 33	SS CL A 3, 36	SS CL B 1, 12	SS CL B 1, 15	TRENCH BACKFILL (CU. YD.)
46-14	46-15	57.9	15	1.00%							57.9																		8.2	
EX CB	46-14	6.6	12	1.00%						6.6																				1.6
46-12	46-10	0.8	12	1.00%						0.8																				6.0
46-09	46-10	54.5	12	1.00%						54.5																				6.0
EX CB	46-08	4.5	12	1.00%																						4.5				4.5
46-08	46-06	0.8	12	1.00%						0.8																				6.2
46-05	46-06	54.5	12	1.00%						54.5																				6.2
EX CB	46-05	10.9	12	1.00%						10.9																				1.2
46-04	46-02	0.8	12	1.00%						0.8																				6.0
46-01	46-02	54.5	12	1.00%						54.5																				6.0
46-03	46-01	64.0	12	1.00%						64.0																				5.3
EX IN	46-01	3.8	12	1.00%						3.8																				0.2
EX CB	46-03	6.2	12	1.00%						6.2																				0.2
45-10	45-08	1.3	12	1.00%						1.3																				6.4
45-07	45-08	55.0	12	1.00%						55.0																				3.6
45-09	45-07	36.0	12	1.00%						36.0																				0.6
EX CB	45-09	8.1	12	1.00%						8.1																				0.6
EX CB	45-10	3.7	12	1.00%																							3.7			3.7
EX CB	46-04	3.1	12	1.00%																							3.1			0.1
EX MH	46-21	5.0	12	1.00%																							5.0			3.3
EX CB	31-08	3.9	12	1.00%						3.9																				0.3
34-06	34-02	280.0	21	0.21%																				280.0						372.7
33-13	33-14	2.0	12	1.00%						2.0																				0.2
<b>TOTALS</b>					4897	1050	37	202	9	4753	907	2126	2835	1487	2069	2698	606	4527	1623	164	37	292	321	357	238	0	58	486	38	23359

NOTE: DMH= DROP MANHOLE  
 JC = JUNCTION CHAMBER  
 EX P = EXISTING STORM SEWER  
 EX IN = EXISTING INLET  
 EX CB = EXISTING CATCH BASIN  
 EX MH = EXISTING MANHOLE

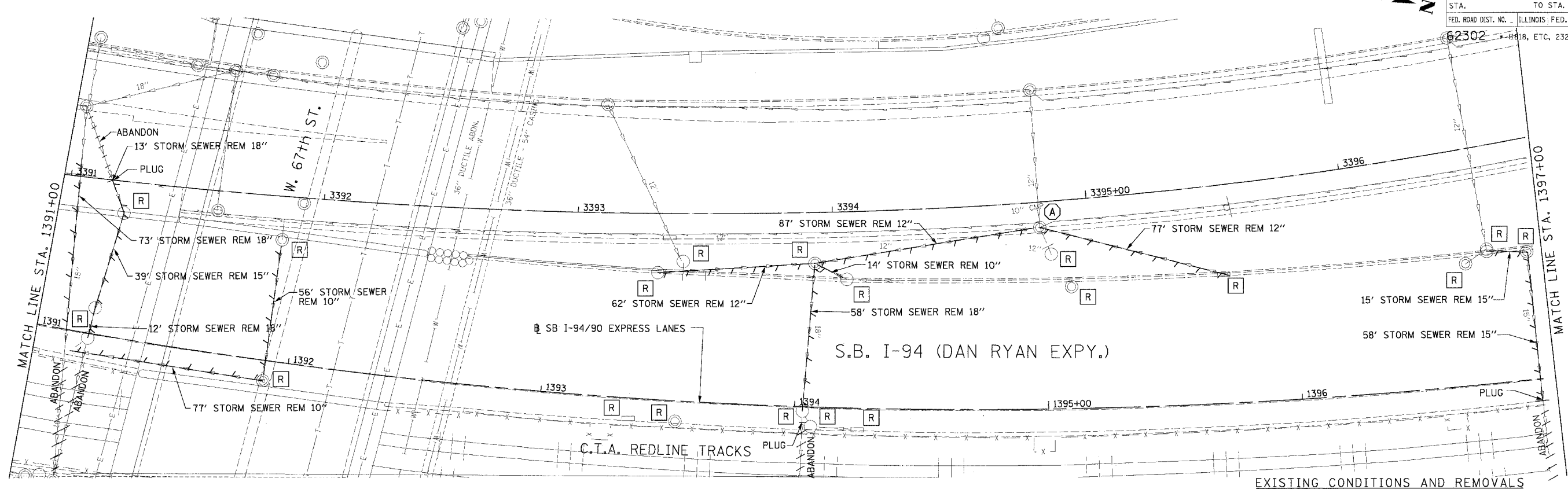
**BOWMAN, BARRETT & ASSOCIATES INC.**  
 CONSULTING ENGINEERS  
 Chicago, Illinois  
 312.228.0100  
 www.bbandainc.com

REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

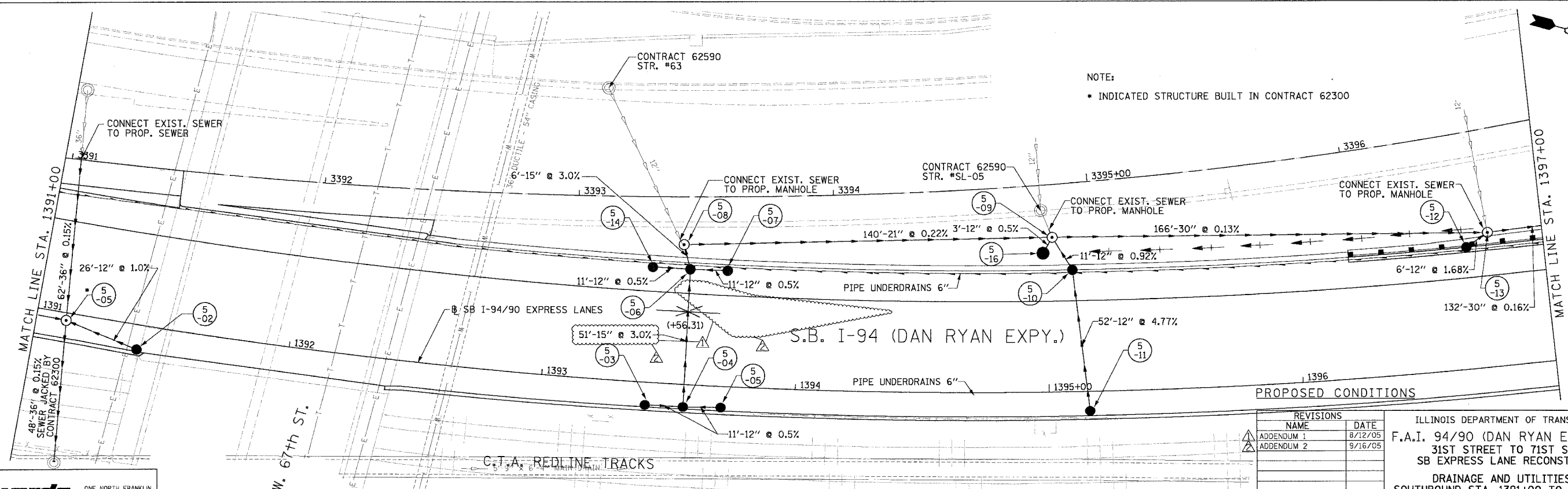
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. 94/90 (DAN RYAN EXPRESSWAY)**  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 DRAINAGE SCHEDULES  
 PROPOSED STORM SEWER PIPES

SCALE: 1"=N.T.S.      DRAWN BY: OC  
 DATE: 07/07/05      CHECKED BY: DDM

F.A.I. RITE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	598	168
STA. 62302	TO STA.		ILLINOIS FED. AID PROJECT	
FED. ROAD DIST. NO. 118, ETC. 2324.6-1PJR-9				



EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

NOTE:  
 • INDICATED STRUCTURE BUILT IN CONTRACT 62300

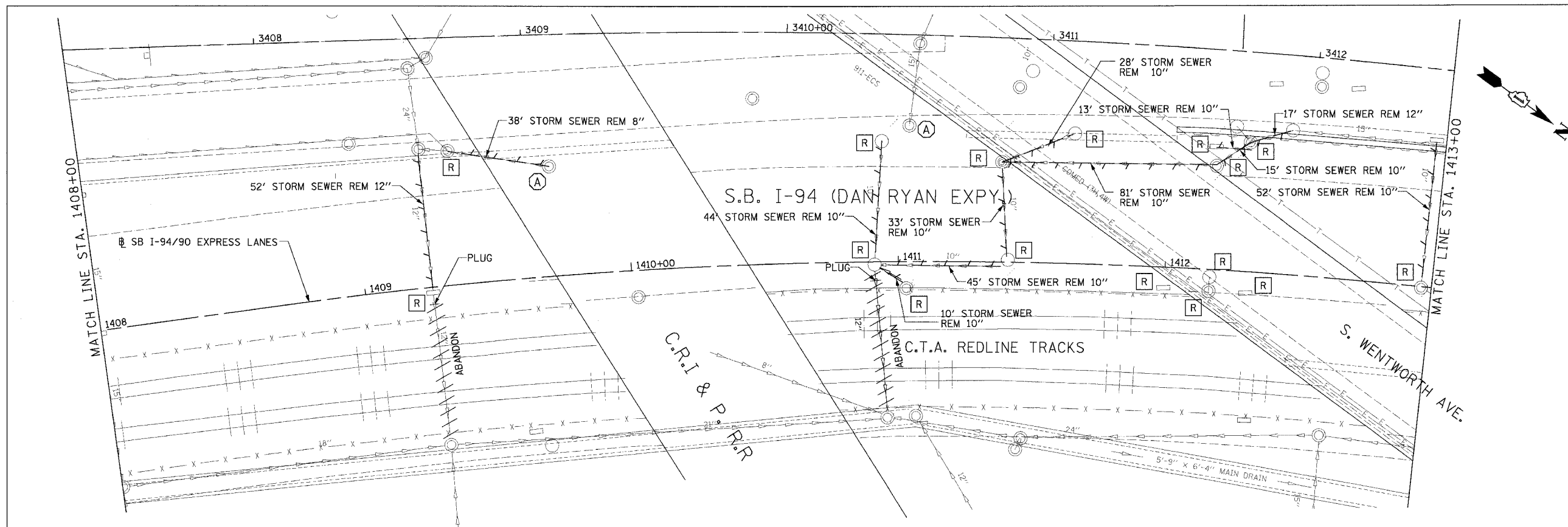
**Edwards and Kelcey**  
 ONE NORTH FRANKLIN  
 CHICAGO, IL 60606  
 PHONE: (312) 251-3000  
 FAX: (312) 251-3015  
 WEB: WWW.ECKORP.COM

REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

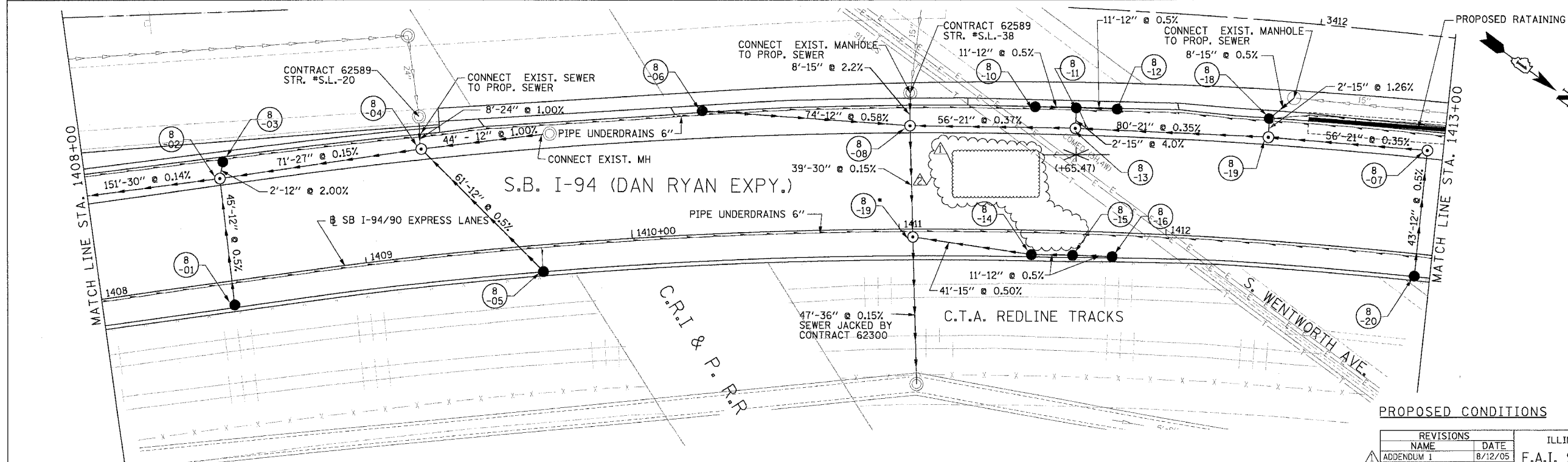
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 DRAINAGE AND UTILITIES PLAN  
 SOUTHBOUND STA. 1391+00 TO STA. 1397+00  
 SCALE: 1"=20'  
 DATE: 7/7/05  
 DRAWN BY: LPN  
 CHECKED BY: PJM

09/14/2005 10:07:01 AM

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	598	171
STA.	TO STA.		FED. AID PROJECT	
62302	ILLINOIS		2324.6-1PJR-9	



EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

NOTE:  
 \* STRUCTURE BUILT IN CONTRACT 62300

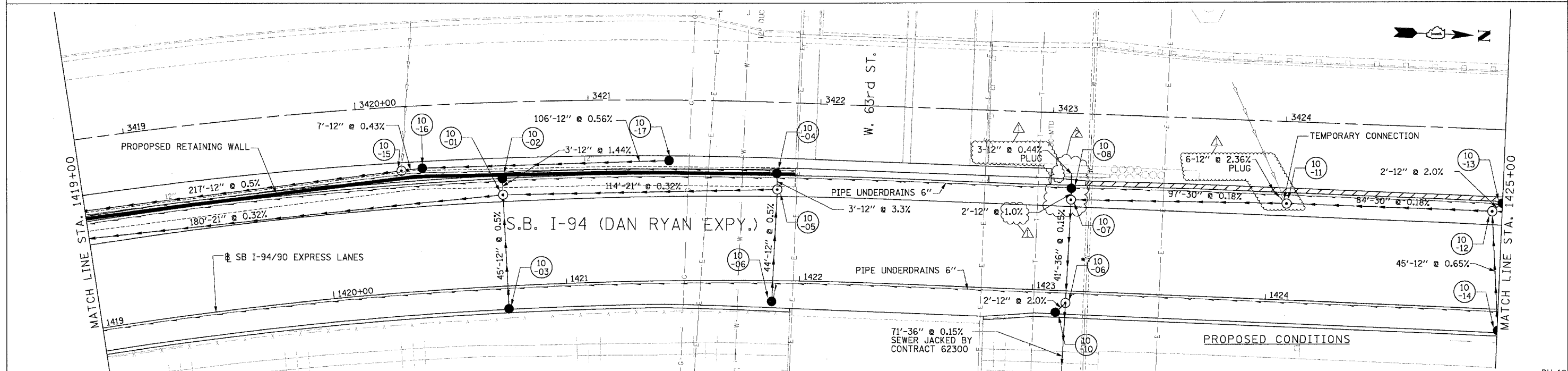
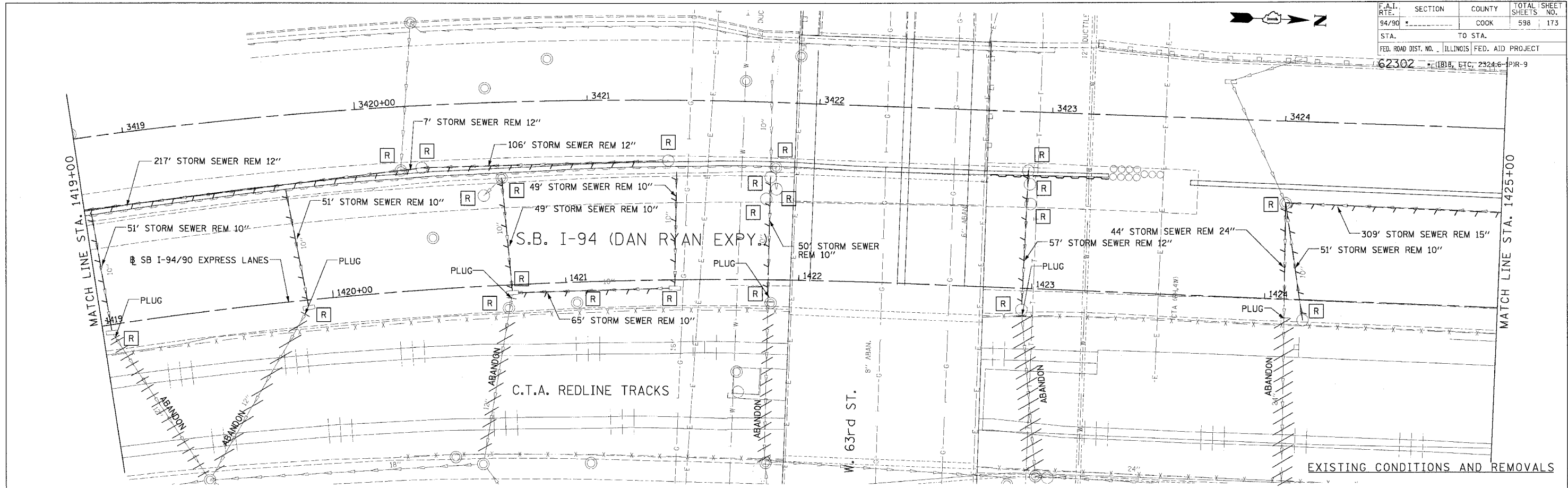
**Edwards and Kelcey**  
 ONE NORTH FRANKLIN  
 CHICAGO, IL 60606  
 PHONE: (312) 251-3000  
 FAX: (312) 251-3015  
 WEB: WWW.EKCORP.COM

REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 DRAINAGE AND UTILITIES PLAN  
 SOUTHBOUND STA. 1408+00 TO STA. 1413+00  
 SCALE: 1"=20'  
 DATE: 7/7/05  
 DRAWN BY: LPN  
 CHECKED BY: PJM

09/14/2005 10:07:46 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
94/90		COOK	598
STA.	TO STA.		
62302	1419+00 TO 1425+00		PIR-9
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



**NOTE:**  
 \* STRUCTURE BUILT IN CONTRACT 62300

REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 DRAINAGE AND UTILITIES PLAN  
 SOUTHBOUND STA. 1419+00 TO STA. 1425+00

SCALE: 1"=20'  
 DATE: 7/1/05

DRAWN BY: LPN  
 CHECKED BY: PJM

**Edwards AND Kelcey**  
 ONE NORTH FRANKLIN  
 CHICAGO, IL 60606  
 PHONE: (312) 251-3000  
 FAX: (312) 251-3015  
 WEB: WWW.EKCORP.COM

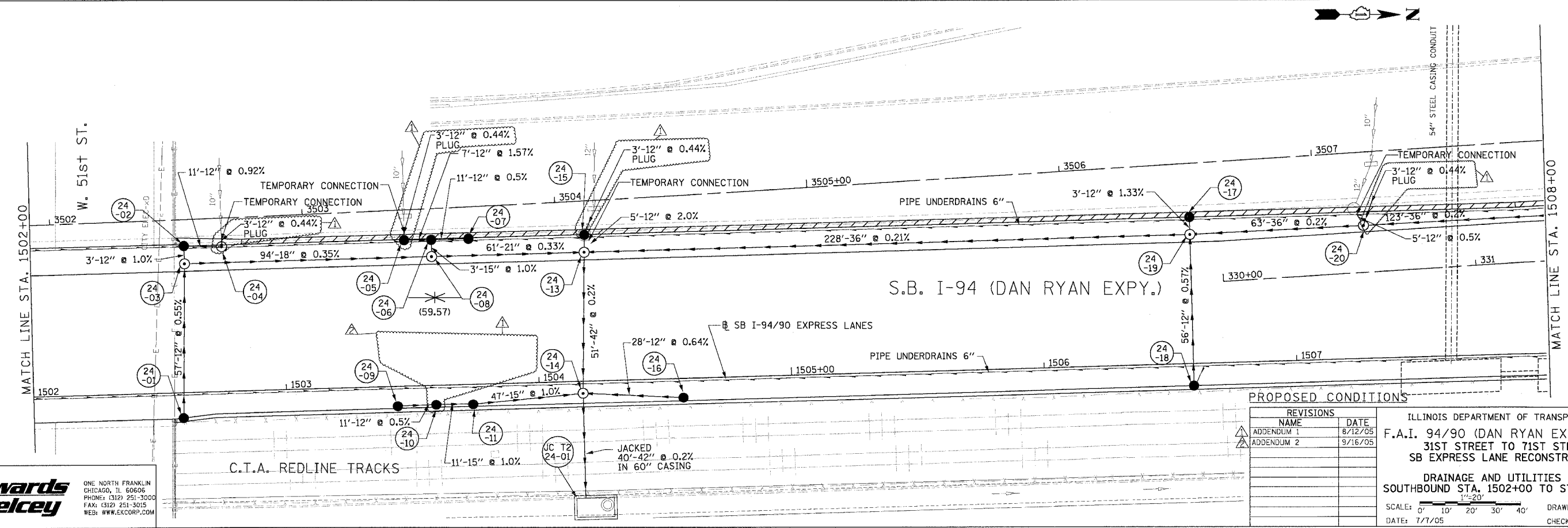
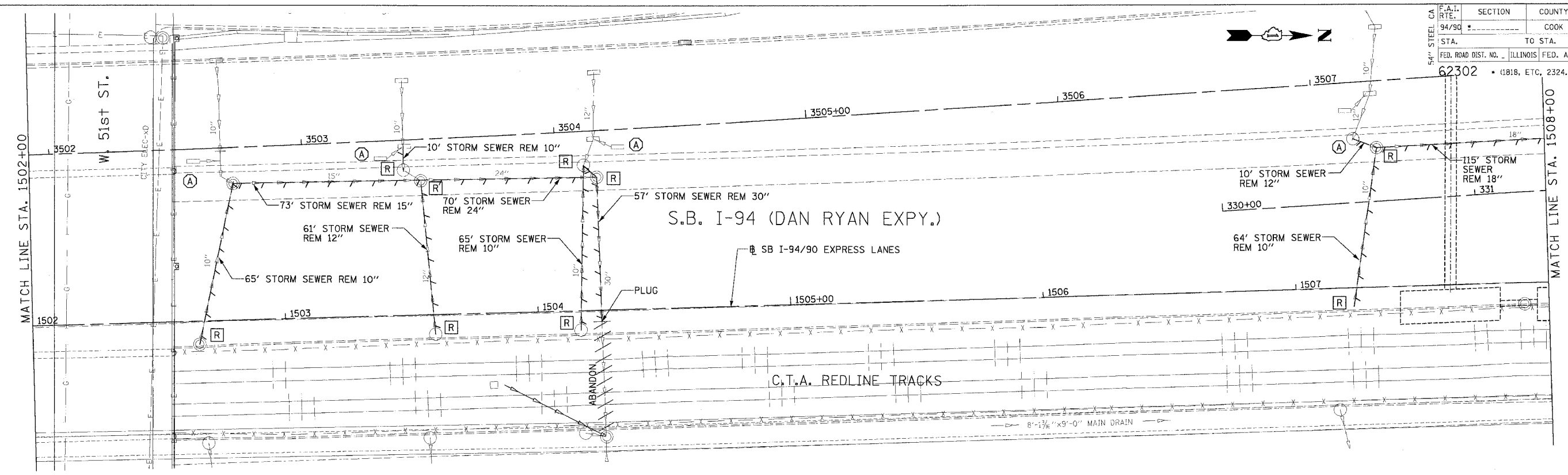
09/14/2005 11:08:47 AM  
 I:\PROJECTS\94\90\DWG\9490.DWG







SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	COOK	598	187
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT	
62302		1818, ETC. 2324.6-1PR-9	



**Edwards and Kelcey**  
 ONE NORTH FRANKLIN  
 CHICAGO, IL 60606  
 PHONE: (312) 251-3000  
 FAX: (312) 251-3015  
 WEB: WWW.EKCORP.COM

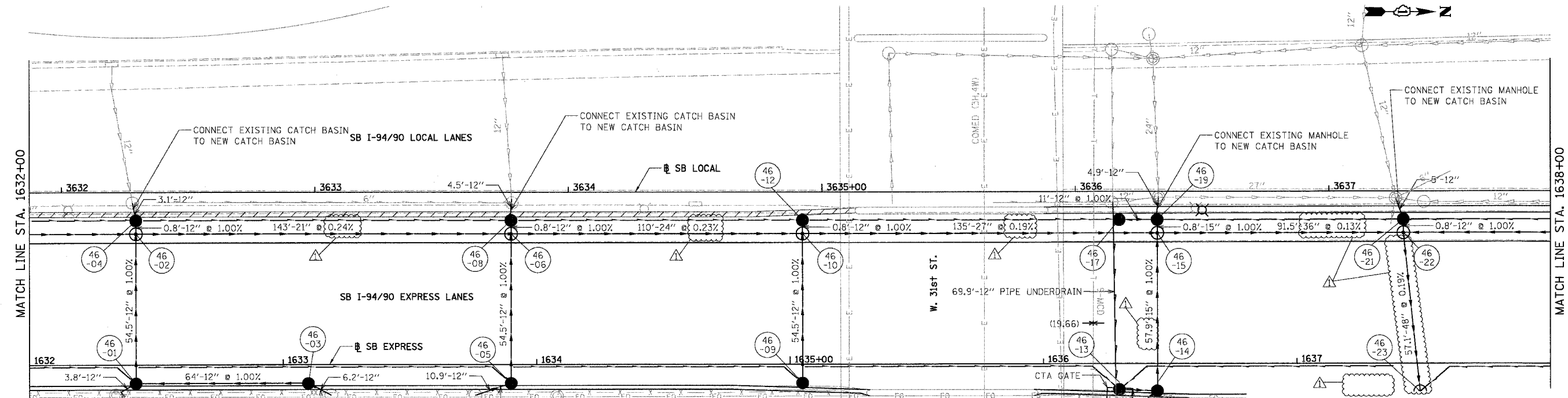
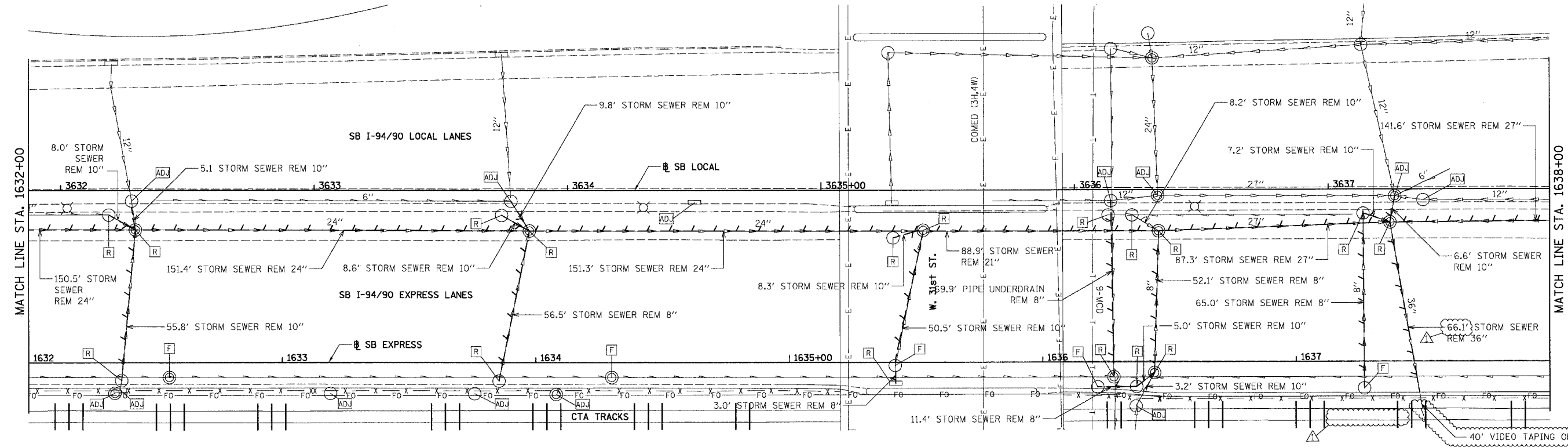
REVISIONS	NAME	DATE
ADDENDUM 1		8/12/05
ADDENDUM 2		9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 DRAINAGE AND UTILITIES PLAN  
 SOUTHBOUND STA. 1502+00 TO STA. 1508+00  
 SCALE: 1"=20'  
 DATE: 7/7/05  
 DRAWN BY: LPN  
 CHECKED BY: PJM

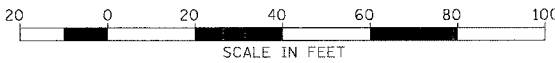
P:\030019\0305\Con 148\5\CADD\N\util\02-24.dwg  
 09/14/2005 10:05 AM

EXISTING CONDITIONS & REMOVALS

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	598	209
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62302	1818, ETC, 2324.6-1PR-9			



BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com



PROPOSED CONDITIONS

REVISIONS	NAME	DATE
ADDENDUM 1		8/12/05
ADDENDUM 2		9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
DRAINAGE AND UTILITIES PLAN  
SOUTHBOUND STA. 1632+00 TO STA. 1638+00  
SCALE: 1"=20'  
DATE: 07/07/05  
DRAWN BY: OC  
CHECKED BY: DDM

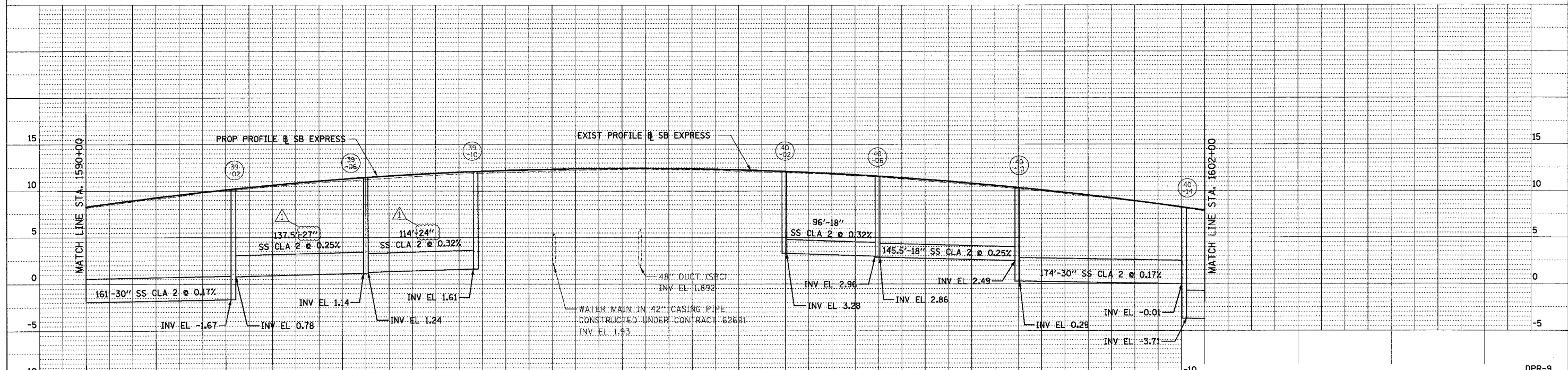
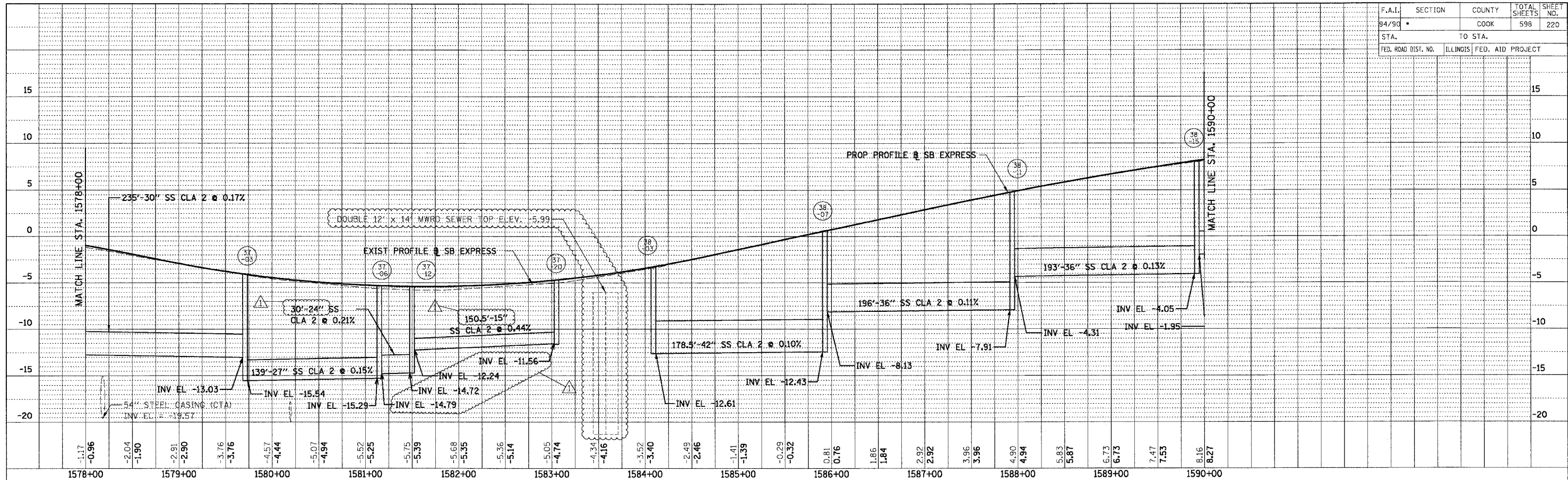
DU-46

5:57:23 PM  
9/14/2005

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	598	220
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID	PROJECT

PLAN	SURVEYED	DATE
NO.	BY	
	CHECKED	
	DATE	

PLAN	SURVEYED	DATE
NO.	BY	
	CHECKED	
	DATE	



BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com

REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05
ADDENDUM 2	9/16/05

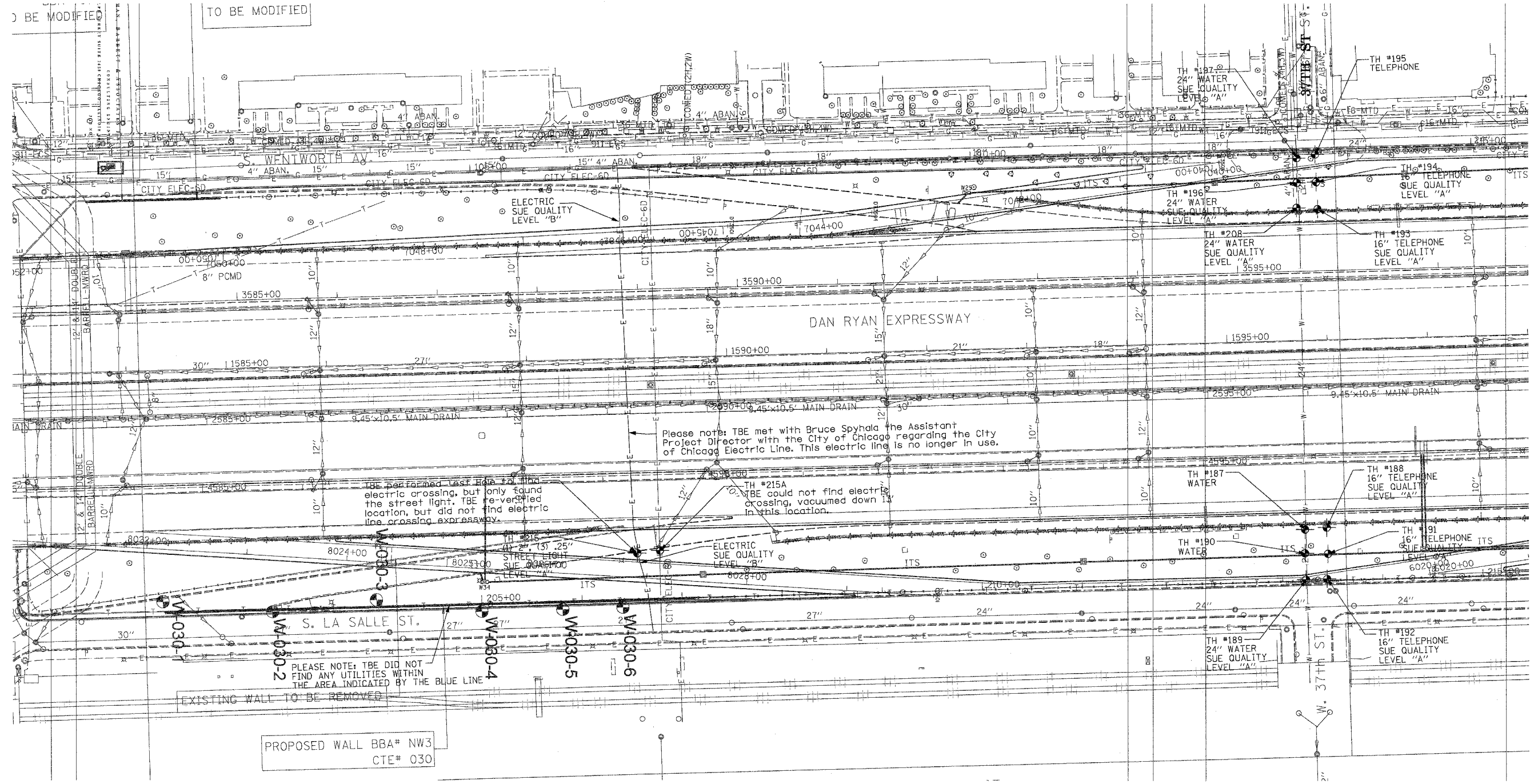
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
PROPOSED DRAINAGE PROFILE  
SOUTHBOUND STA. 1578+00 TO STA. 1602+00

SCALE: 1" = 50' VERT  
1" = 50' HORIZ  
DATE: 07/07/05

DRAWN BY: OC  
CHECKED BY: DDM

02/25/05 PM 09/14/2005

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(1516,1717 & 1818)-6	Cook	598	249A
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



Please note: TBE met with Bruce Spychala, the Assistant Project Director with the City of Chicago regarding the City of Chicago Electric Line. This electric line is no longer in use.

TBE performed last hole to find electric crossing, but only found the street light. TBE re-verified location, but did not find electric line crossing expressway.

PLEASE NOTE: TBE DID NOT FIND ANY UTILITIES WITHIN THE AREA INDICATED BY THE BLUE LINE

PROPOSED WALL BBA# NW3  
CTE# 030

**TBE** 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  
IL09500164, 167, 168, 170, 171, 179, 180, 182, 204,  
205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232  
TBE SUE PAGE NO: 33 of 36  
Checked by: *[Signature]*  
SUE Quality Level "A" : Test Holes  
SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—	—COCE—	CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
●	●	TEST HOLE

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

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

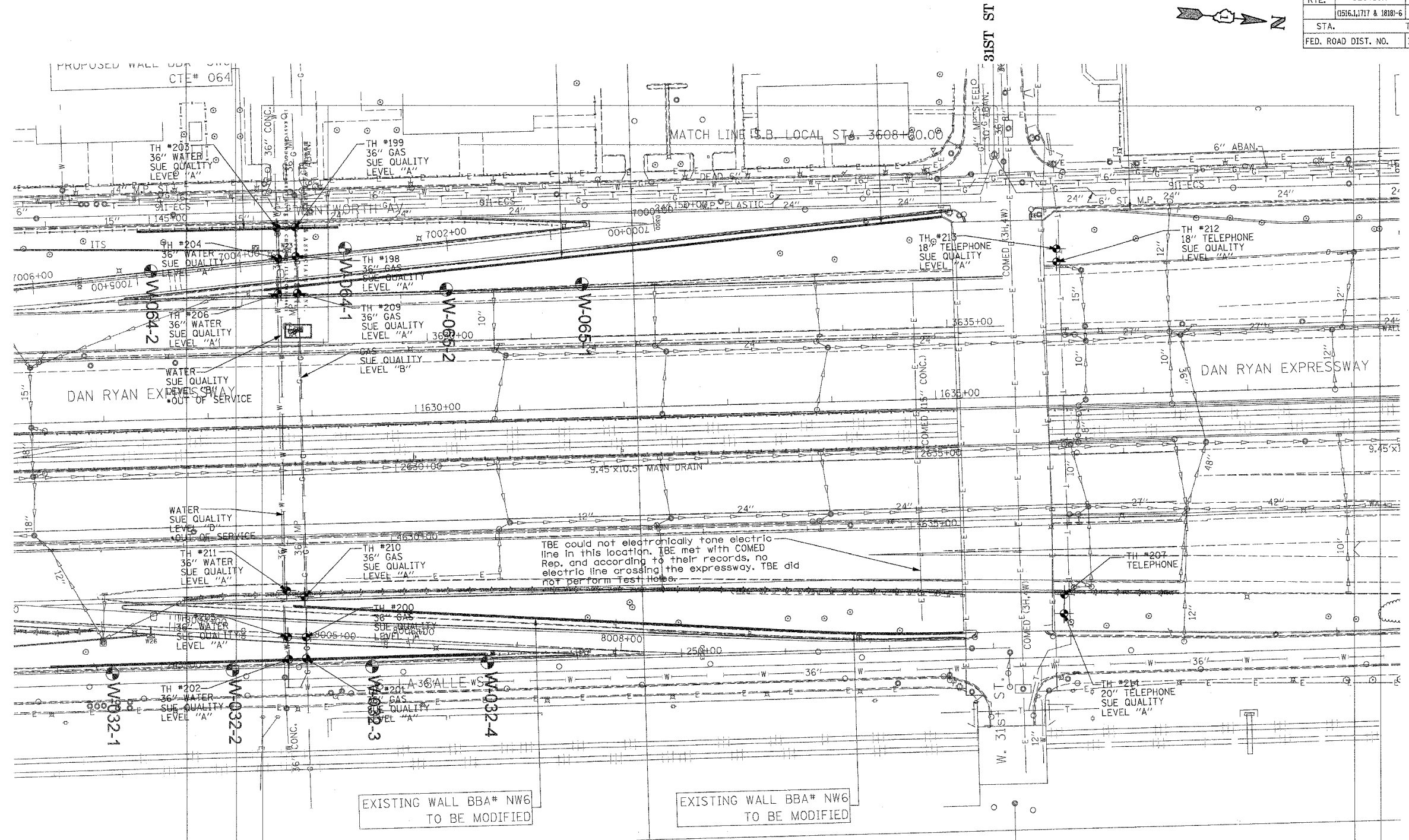
TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
SUE Investigation of Underground Utilities  
I-90/I-94 Dan Ryan Expressway from  
I-57, to 69th Street  
Contract Number: 62590, 62592, 62594  
SQL "A" DATE : 4/27/04  
SQL "B" DATE : 7/22/04  
DRAWN BY : KLC  
SCALE : 1" = 50'

Added sheet 9/14/05


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1516, 1717 & 1818-6	Cook	598	252
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



**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  
 IL09500164, 167, 168, 170, 171, 179, 180, 182, 204,  
 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232  
 TBE SUE PAGE NO: 36 of 36  
 Checked by: *[Signature]*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—		CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—		WATER
—G—		GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—		ELECTRIC
●		TEST HOLE

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

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 I-90/I-94 Dan Ryan Expressway from  
 I-57, to 69th Street  
 Contract Number: 62590, 62592, 62594  
 SQL "B" DATE : 7/22/04  
 DRAWN BY : KLC  
 SCALE : 1" = 50'

Revised sheet 1/1/05

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	OFFSET	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
165	24" G	1858583.099	1177452.100	148.05 RT	-2.91'	6.08'	3.18'	SUE QUALITY LEVEL "A"
166	24" G	1858582.607	1177422.881	118.82 RT	-7.96'	11.04'	3.08'	SUE QUALITY LEVEL "A"
167	24" G	1858581.829	1177388.290	84.23 RT	-11.42'	5.64'	-5.78'	SUE QUALITY LEVEL "A"
168	— G	1858576.435	1177169.958	73.59 LT	-14.41'	7.92'	-6.49'	SEE NOTE
169A	— G	1858575.515	1177148.755	94.81 LT	-8.73'	5.63'	-3.10'	SEE NOTE
169B	8" —	1858574.341	1177148.755	94.81 LT	-7.34'	4.24'	-3.10'	SUE QUALITY LEVEL "A"
170	24" G	1858574.341	1177125.527	118.07 LT	1.84'	4.35'	6.19'	SUE QUALITY LEVEL "A"
171	24" G	1858573.831	1177107.217	136.38 LT	5.50'	5.82'	11.32'	SUE QUALITY LEVEL "A"
172	36" E	1859349.450	1177086.590	133.62 LT	-2.77'	10.34'	7.57'	SUE QUALITY LEVEL "A"
173	36" E	1859349.210	1177115.830	104.39 LT	-5.89'	4.92'	-0.97'	SUE QUALITY LEVEL "A"
174	— BT	1859189.980	1177120.790	104.24 LT	-13.77'	12.58'	-1.19'	SUE QUALITY LEVEL "A"
175	— BT	1859187.890	1177093.060	132.02 LT	SEE NOTE	9.12'	4.53'	CLEARANCE ONLY
176	36" E	1859357.690	1177382.160	100.06 RT	-11.29'	4.45'	-6.84'	SUE QUALITY LEVEL "A"
177	— E	1859358.400	1177405.990	123.90 RT	-10.32'	10.06'	-0.26'	SUE QUALITY LEVEL "A"
178	— T	1859198.040	1177390.570	103.95 RT	-21.35'	12.85'	-8.50'	SUE QUALITY LEVEL "A"
179	— E	1859345.500	1177059.620	160.69 LT	SEE NOTE	15.15'	16.93'	CLEARANCE ONLY
180	36" G	1851291.10	1177413.23	80.62 LT	-9.95'	6.63'	-3.32'	SUE QUALITY LEVEL "A"
181	36" G	1851290.85	1177418.67	75.19 LT	-9.70'	6.38'	-3.32'	SUE QUALITY LEVEL "A"
182	36" G	1851297.11	1177630.28	136.52 RT	-8.83'	5.89'	-2.94'	SUE QUALITY LEVEL "A"
MAN HOLE #								
183	24" G	1851285.94	1177708.75	45.04 RT	4.76'	4.16'	8.92'	Elev. taken from RIM of MH.
184	12" G	1851278.82	1177708.69	44.77 RT	4.39'	4.52'	8.91'	Elev. taken from RIM of MH.
TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	OFFSET	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
185	72" BT	1877424.23	1176032.38	61.60 LT	-3.79'	2.70'	-1.09'	SUE QUALITY LEVEL "A"
186	66" BT	1877416.11	1175712.30	66.43 RT	-8.51'	5.85'	-2.66'	SEE NOTE

NOTES

TH #168 Unable to see gas due to ground water.  
 TH #169A Unable to see gas due to back fill continually caving in.  
 TH #174 We were unable to determine size due to ground water in the hole.  
 TH #175 Attempt was made to expose phone duct but were unsuccessful due to extreme heavy compacted clay, we were only able to reach 9.12'  
 TH #179 Attempt was made to find electric duct. Went down 15.15' & 2.5' radius of Reference Point.  
 TH #186 Unable to expose due to mud and ground water, felt top and sides.  
 TH #187 Unable to expose due to wet sand collapsing in hole..  
 TH #189 - Offset is taken from N. bound Dan Ryan fence line..  
 TH #190 - Unable to expose due to soil collapsing in hole  
 TH #192 - Telephone was buried/trenched underneath a slab of concrete with rough edges; width was 48"  
 TH #195 - Unable to expose due to deep roots in hole  
 TH #200 - Felt both sides of gas line but unable to cover completely for picture, doing so would leave a void in soil because of angle of ground level. Back fill kept falling from uphill.  
 TH #204 - Found the utilities for the street lights at about 2' deep. Offset pulled from CL of Dan Ryan on ramp.  
 TH #207 - Could not expose due to collapsing sand. Had a good feel with the air lance. Offset taken from CL of exit ramp  
 TH #215A - TBE could not find electric crossing, vacumed down 13'.

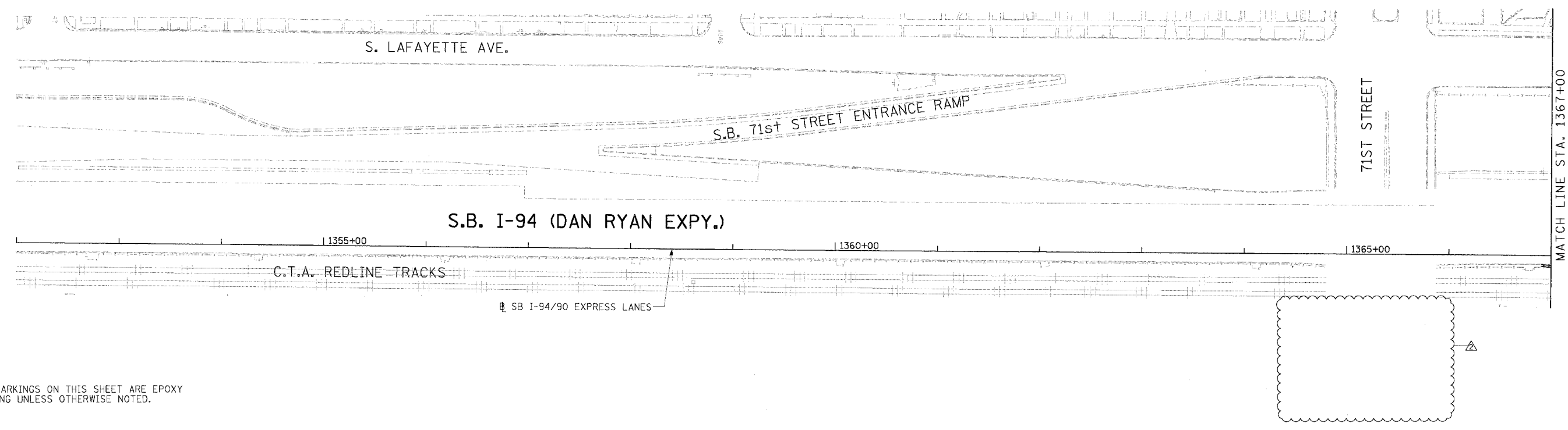
VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	OFFSET	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
187	— W	1880442.920	1175949.580	65.37' RT	3.59'	8.43'	12.02'	SEE NOTE
188	16" BT	1880464.590	1175947.690	64.06' RT	6.63'	5.31'	11.94'	SUE QUALITY LEVEL "A"
189	24" W	1880443.800	1175999.780	115.57' RT	7.85'	7.83'	15.68'	SUE QUALITY LEVEL "A"
190	— W	1880442.870	1175973.130	88.91' RT	3.81'	10.10'	13.91'	SEE NOTE
191	16" BT	1880465.830	1175973.580	89.98' RT	9.59'	4.42'	14.01'	SUE QUALITY LEVEL "A"
192	16" BT	1880464.890	1175999.080	115.44' RT	10.21'	5.35'	15.56'	SUE QUALITY LEVEL "A"
193	16" BT	1880456.000	1175630.210	61.54' LT	5.65'	8.94'	11.59'	SUE QUALITY LEVEL "A"
194	16" BT	1880454.690	1175603.520	88.25' LT	5.44'	8.66'	14.10'	SUE QUALITY LEVEL "A"
195	— BT	1880453.540	1175575.610	116.18' LT	4.75'	12.13'	16.88'	SEE NOTE
196	24" W	1880435.180	1175604.240	88.06' LT	6.76'	7.24'	14.00'	SUE QUALITY LEVEL "A"
197	24" W	1880435.160	1175579.320	112.97' LT	11.06'	5.48'	16.54'	SUE QUALITY LEVEL "A"
198	36" G	1883748.370	1175516.740	86.01' LT	1.10'	7.08'	8.18'	SUE QUALITY LEVEL "A"
199	36" G	1883747.800	1175488.980	113.78' LT	6.36'	8.62'	14.98'	SUE QUALITY LEVEL "A"
200	36" G	1883758.000	1175883.780	89.15' RT	-1.07'	5.96'	4.89'	SUE QUALITY LEVEL "A"
201	36" G	1883758.190	1175903.970	109.34' RT	4.06'	6.58'	10.64'	SUE QUALITY LEVEL "A"
202	36" W	1883741.550	1175904.750	109.67' RT	4.82'	5.74'	10.56'	SUE QUALITY LEVEL "A"
203	36" W	1883730.260	1175489.640	113.59' LT	8.72'	6.25'	14.97'	SUE QUALITY LEVEL "A"
204	36" W	1883731.680	1175518.680	84.53' LT	1.69'	5.90'	7.59'	SUE QUALITY LEVEL "A"
205	36" W	1883740.460	1175883.620	88.52' RT	-3.96'	8.26'	4.30'	SUE QUALITY LEVEL "A"
206	36" W	1883731.390	1175553.040	50.19' LT	-5.51'	6.13'	0.62'	SUE QUALITY LEVEL "A"
207	— BT	1884487.410	1175842.900	67.99' RT	-6.61'	2.98'	-3.63'	SEE NOTE
208	24" W	1880435.060	1175628.960	63.35' LT	3.08'	8.72'	11.80'	SUE QUALITY LEVEL "A"
209	36" G	1883749.960	1175552.500	50.22' LT	-5.24'	5.99'	0.75'	SUE QUALITY LEVEL "A"
210	36" G	1883756.720	1175845.280	50.63' RT	-6.85'	8.42'	1.566'	SUE QUALITY LEVEL "A"
211	36" W	1883739.550	1175839.290	44.18' RT	-5.25'	5.86'	0.606'	SUE QUALITY LEVEL "A"
212	18" BT	1884480.420	1175521.840	61.14' LT	-7.58'	4.95'	-2.634'	SUE QUALITY LEVEL "A"
213	18" BT	1884480.320	1175509.110	73.87' LT	-3.89'	4.91'	1.019'	SUE QUALITY LEVEL "A"
214	20" BT	1884487.060	1175860.740	85.82' RT	-0.82'	3.19'	2.370'	SUE QUALITY LEVEL "A"
215	(1)2" (3).25" SL	1879776.080	1175973.630	71.39' RT	2.91'	4.08'	6.995'	SUE QUALITY LEVEL "A"
215A	SEE NOTE	1879798.750	1175970.990	69.36' RT	SEE NOTE	13.00'	7.040'	SEE NOTE

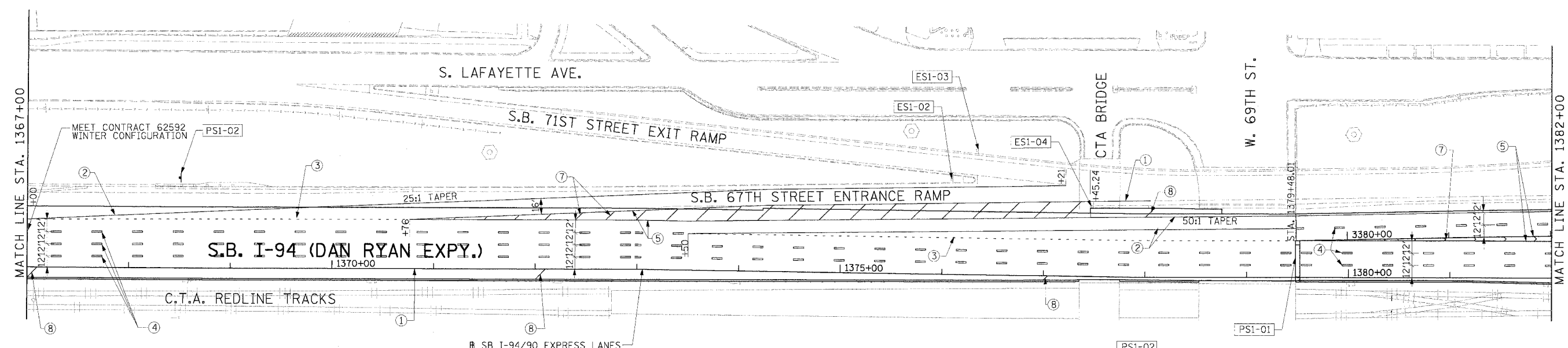
Revised sheet 9/16/05  
 ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.

Illinois Department of Transportation  
 I-90 /94 (NB & SB of Dan Ryan Expressway)  
 Chicago-Cook County  
 Sec No: (2122-921 PT1) R, (2021-922 PT1,2)  
 Contract No. 62584, 62585, 62586, 62589, 62693, 62694, 62695  
 TBE Project No.: IL09500164, 167, 168, 170, 171, 179, 180, 182, 204, 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232, 238

F.A.I. RT#:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	598	287
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
62302	(1818, ETC. 2324.6-1)PR-9			



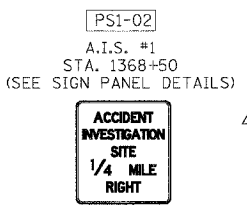
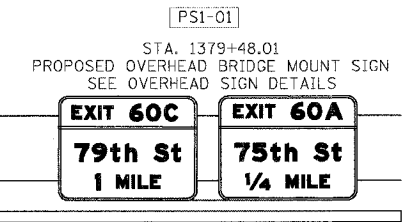
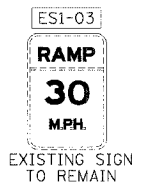
**NOTE:**  
ALL PAVEMENT MARKINGS ON THIS SHEET ARE EPOXY PAVEMENT MARKING UNLESS OTHERWISE NOTED.



**STATIONING**  
+\*\* STATION PROVIDED FROM THE I-90/94 EXPRESS LANES  
(+\*\*) STATION PROVIDED FROM THE I-90/94 LOCAL LANES

- LEGEND**
- ① LINE 4" (YELLOW EDGE LINE)
  - ② LINE 4" (WHITE EDGE LINE)
  - ③ LINE 4" (SKIP DASH, 6' SKIP - 2' DASH, WHITE)
  - ④ LINE 5" (SKIP DASH, 30' SKIP - 10' DASH, WHITE)
  - ⑤ LINE 8" (WHITE GORE LINE)
  - ⑥ LINE 8" (SKIP DASH, 12' SKIP - 3' DASH, WHITE)
  - ⑦ LINE 12" (DIAGONAL, 30' C-C)
  - ⑧ LINE 12" (DIAGONAL, 500' C-C)
  - ⑨ LETTERS AND SYMBOLS

ESx-xx EXISTING SIGN  
TSx-xx TEMPORARY SIGN  
PSx-xx PROPOSED SIGN



REVISIONS	
NAME	DATE
ADDENDUM 2	9/16/05

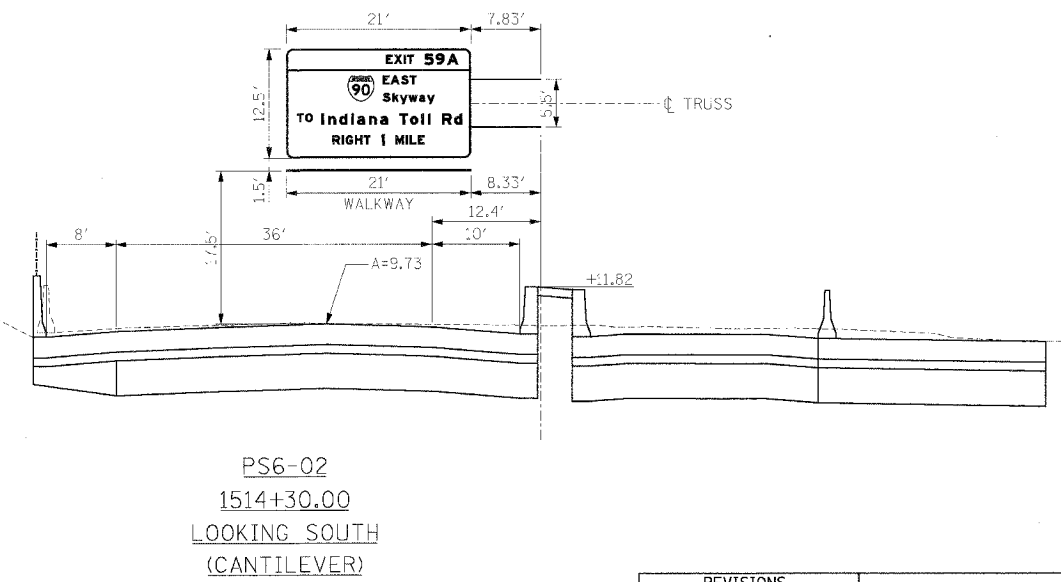
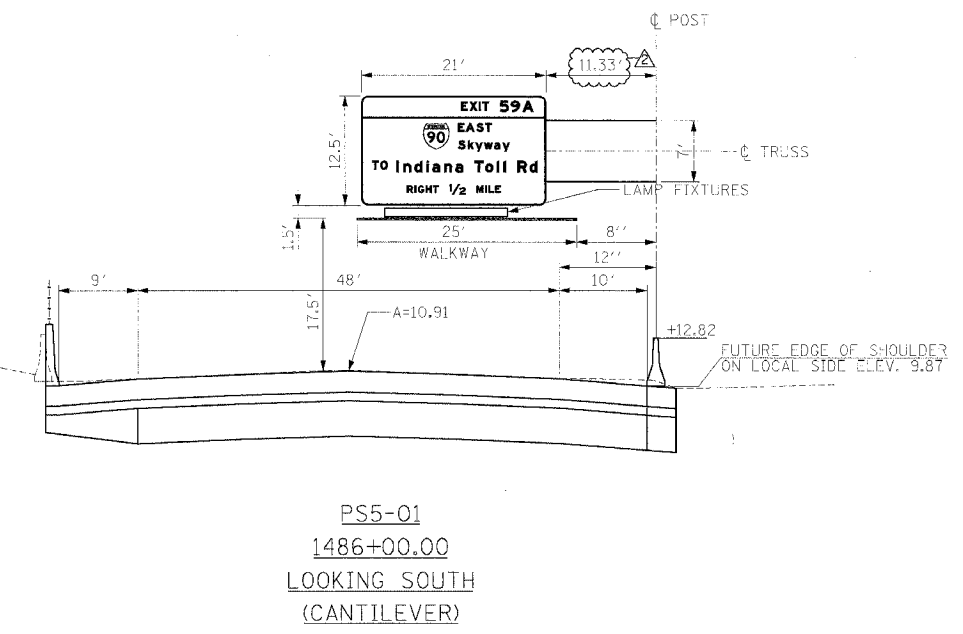
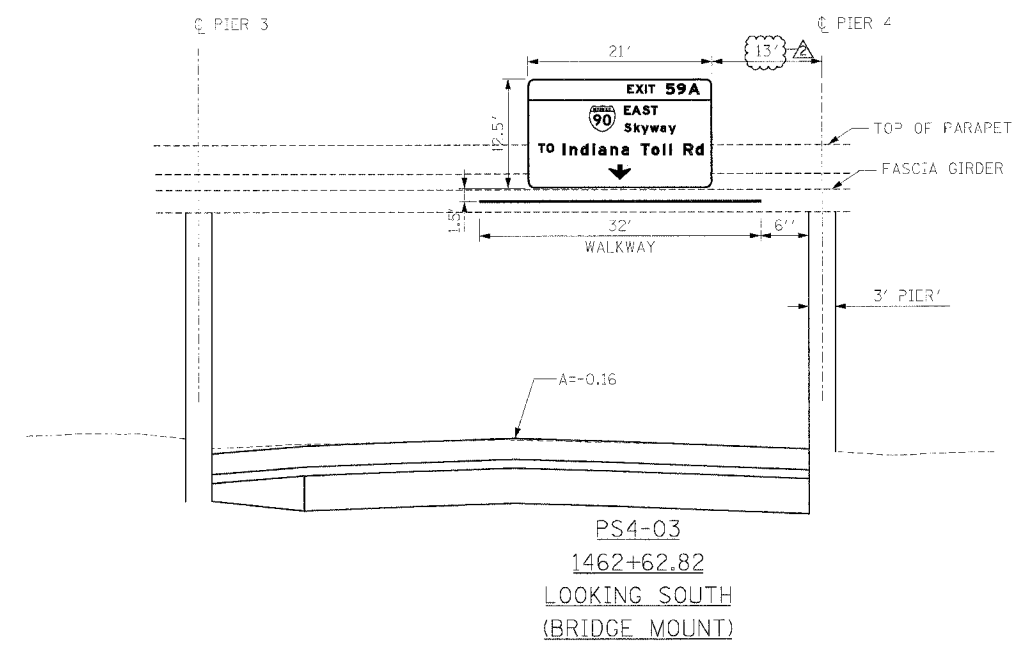
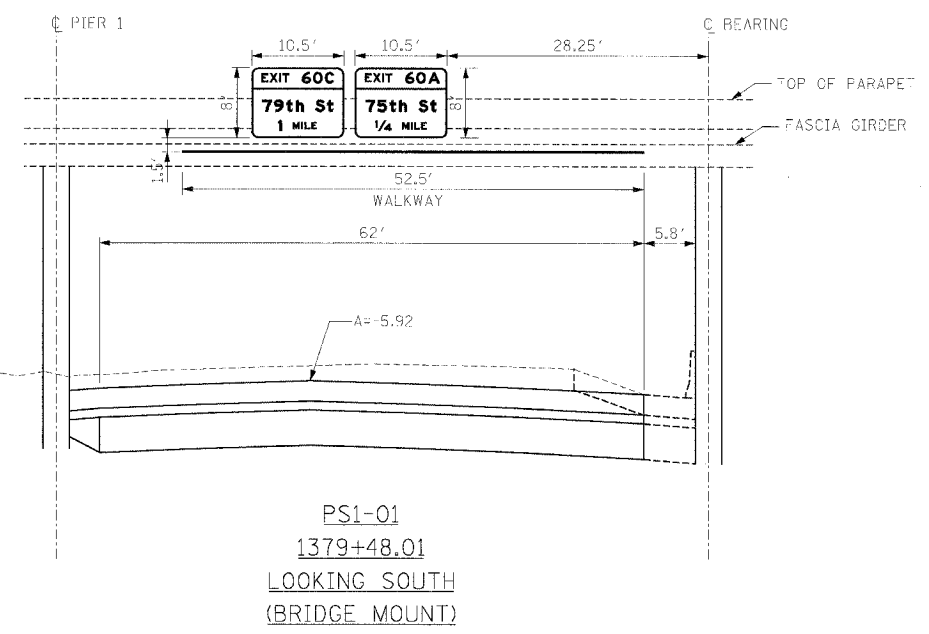
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
AND SIGNING PLAN  
SOUTHBOUND STA. 1352+00 TO STA. 1382+00  
SCALE: 1"=50'  
DATE: 7/1/05  
DRAWN BY: TAI  
CHECKED BY: PJM



P:\030090\30\Drawn\_H4815\CADD\95\94050128.sht 09/14/2005 11:02 AM



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	598	302
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
62302 (1818, ETC, 2324.6-1P)R-9				



REVISIONS	
NAME	DATE
ADDENDUM 2	9/16/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION  
SIGN PLACEMENT DETAILS

SCALE: NONE  
DATE: 7/7/05

DRAWN BY: RLK  
CHECKED BY: PJM

**Edwards AND Kelcey**  
ONE NORTH FRANKLIN  
CHICAGO, IL 60606  
PHONE: (312) 251-3000  
FAX: (312) 251-3015  
WEB: WWW.EKCORP.COM

09/14/2005 10:44 AM

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
90/94		COOK	598	323	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			
62302 • (1818, ETC, 2324.6-1P) R-9					

NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength ( $Q_u$ ) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sandboxes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

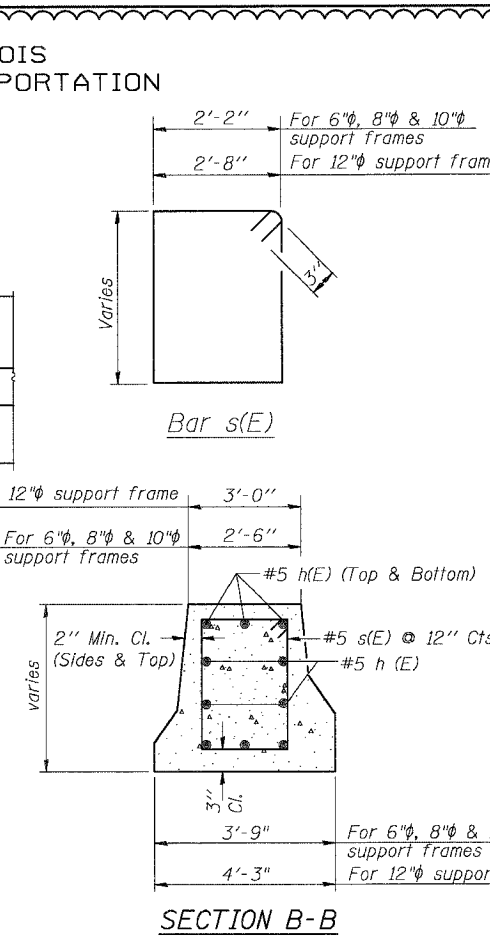
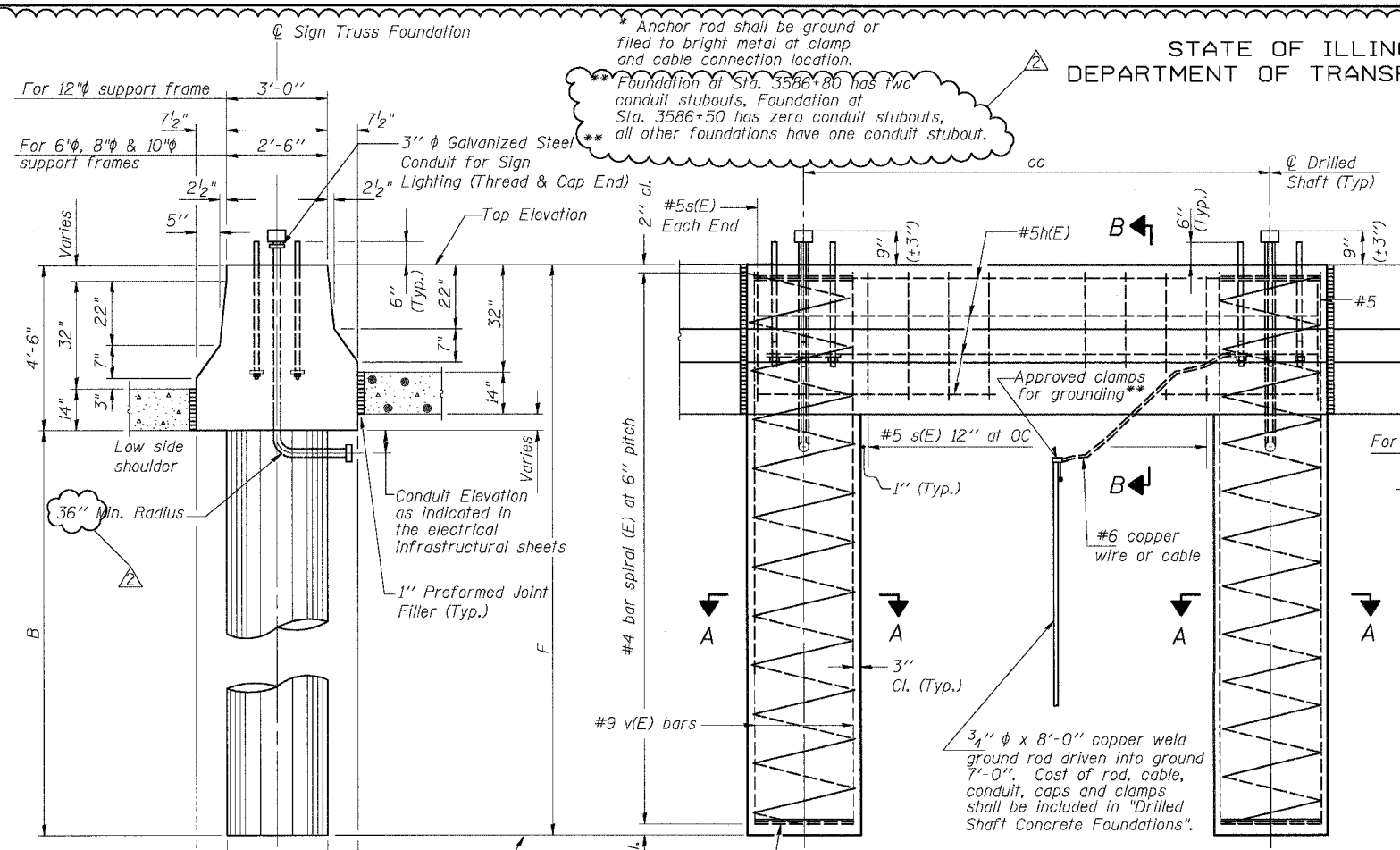
Face of median support foundation shall match dimensions of permanent barrier wall F shape.

Refer to CONTRACT 62583 for orientation and location of the conduit.

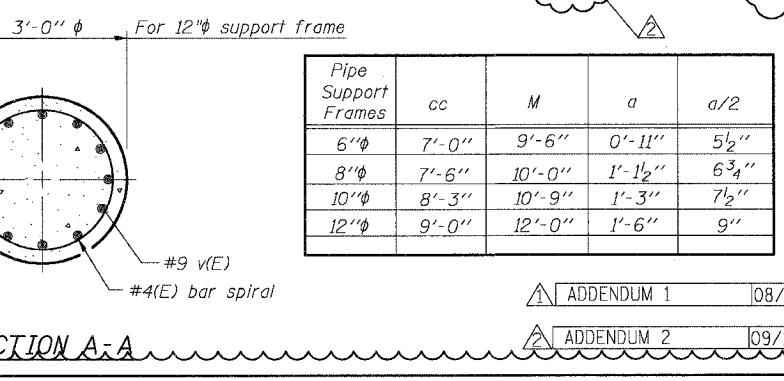
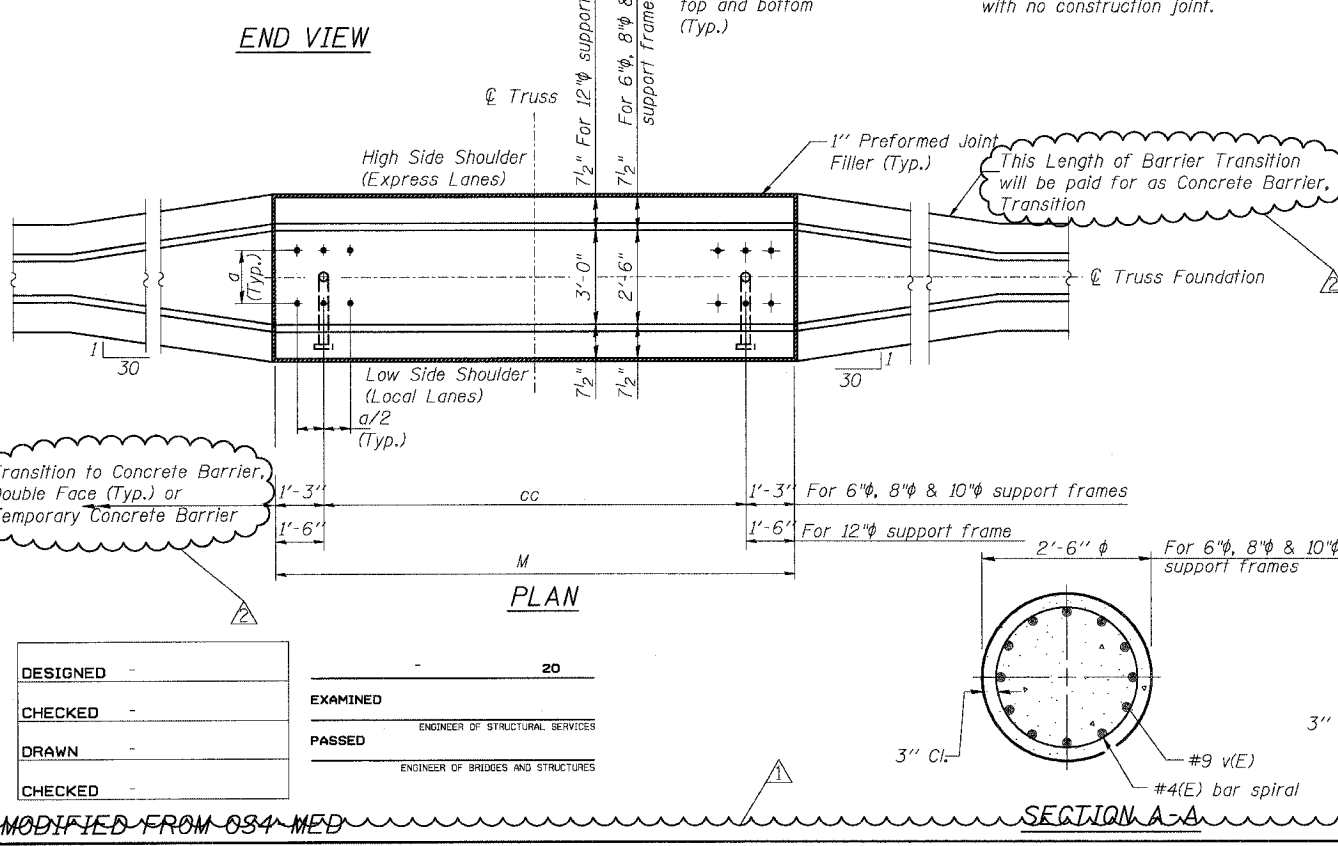
BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
h(E)	10	#5	M less 0'-4"	—
s(E)	9	#5	Varies	□
v(E)	24	#9	F less 0'-5"	—
v(E)	16	#9	F less 0'-5"	—
#4(E) bar spiral - see Side Elevation				

For 12" support frame  
For 6", 8" & 10" support frames



Pipe Support Frame	Structure Number	Station	Left Foundation				Right Foundation				Class SI Concrete (Cu. Yds.)
			Elevation Top	Elevation Bottom	B	F	Elevation Top	Elevation Bottom	B	F	
10"	ISO161094R056.47	3543+00	10.09'	-10.91'	16.5'	21.0'	-	-	-	12.5	
10"	ISO161094R056.32	3550+87.24	-	-	-	-	2.79	-18.21	16.50'	21.00'	11.2
8"	ISO161094R055.83	3576+87.34	-	-	-	-	2.90	-15.10	13.50'	18.00'	9.5
12"	ISO161094R055.64	3586+80	-	-	-	-	5.03	-17.47	18.00'	22.50'	10.1
12"	ISO161094L055.64	3586+50	4.39'	-18.11'	18.0'	22.5'	-	-	-	13.3	
10"	ISO161094L056.67	3532+00	4.15'	-16.85'	16.5'	21.00'	-	-	-	12.2	
8"	ISO161094L056.02	3566+30	-0.80'	-19.80'	14.5'	19.00'	-	-	-	10.0	
8"	ISO161094L055.46	3596+00	14.75'	-4.25'	14.5'	19.00'	-	-	-	10.0	
8"	ISO161094L055.08	3616+00	5.71'	-13.29'	14.5'	19.00'	-	-	-	10.0	
8"	ISO161094R055.33	3603+12.34	-	-	-	-	8.09'	-9.91'	13.5'	18.00'	10.1



Pipe Support Frames	cc	M	a	a/2
6"φ	7'-0"	9'-6"	0'-11"	5 1/2"
8"φ	7'-6"	10'-0"	1'-1 1/2"	6 3/4"
10"φ	8'-3"	10'-9"	1'-3"	7 1/2"
12"φ	9'-0"	12'-0"	1'-6"	9"

DESIGNED -  
CHECKED -  
DRAWN -  
CHECKED -

EXAMINED  
PASSED

ENGINEER OF STRUCTURAL SERVICES  
ENGINEER OF BRIDGES AND STRUCTURES

OVERHEAD SIGN STRUCTURES  
MEDIAN SUPPORT FOUNDATION DETAILS

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31ST STREET TO 71ST STREET  
SB EXPRESS LANE RECONSTRUCTION

OVERHEAD SIGN STRUCTURES

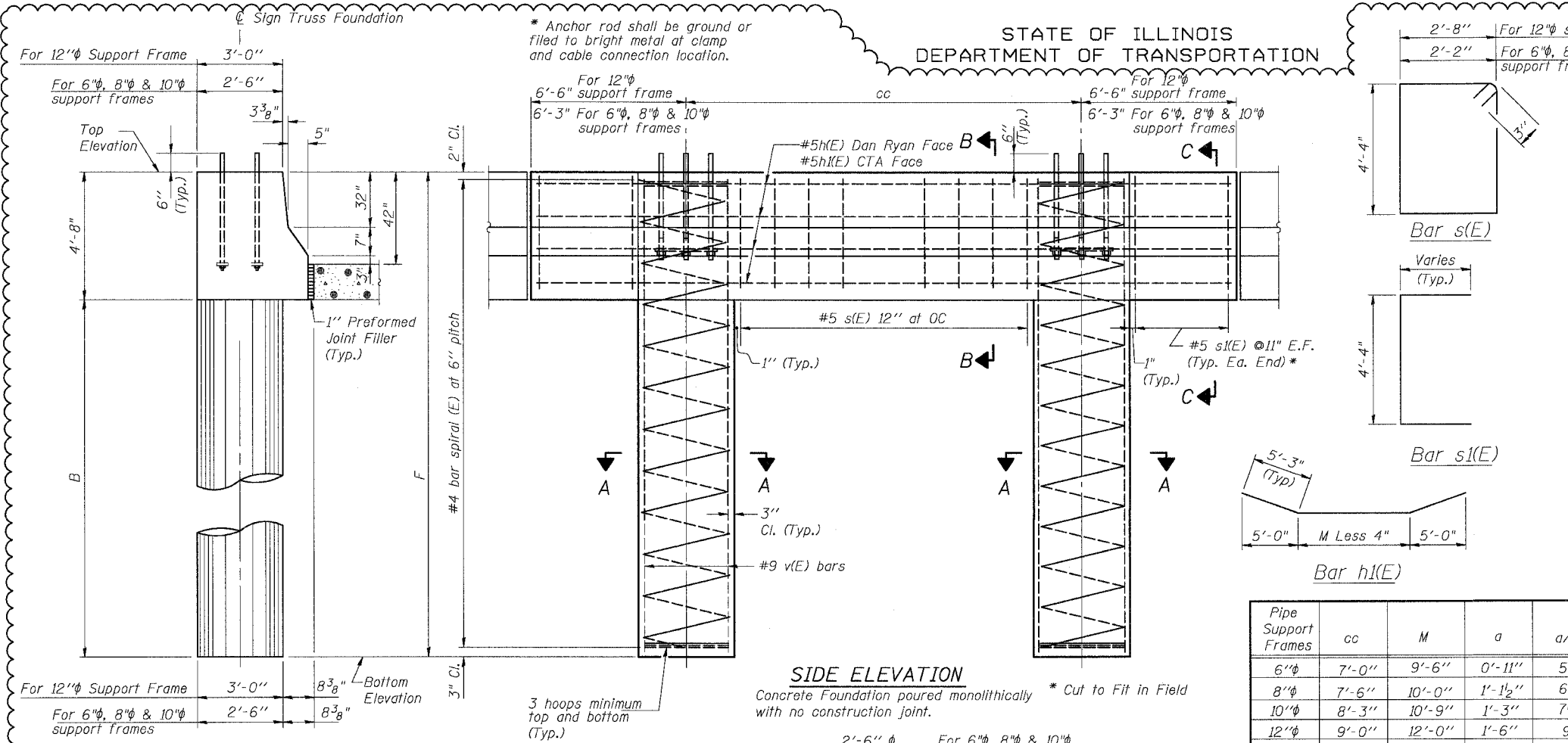
ADDENDUM 1 08/12/05  
ADDENDUM 2 09/16/05

MODIFIED FROM 034-MED

9/14/2005 11:01:01 AM

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO.
90/94	*	COOK	598	324	- SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT-	
62302		*1818, ETC. 2324.6-1P)R-9			



**NOTES:**

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

Face of median support foundation shall match dimensions of permanent barrier wall F shape.

Refer to CONTRACT 62583 for location and orientation of the conduit.

**BAR LIST - EACH FOUNDATION**

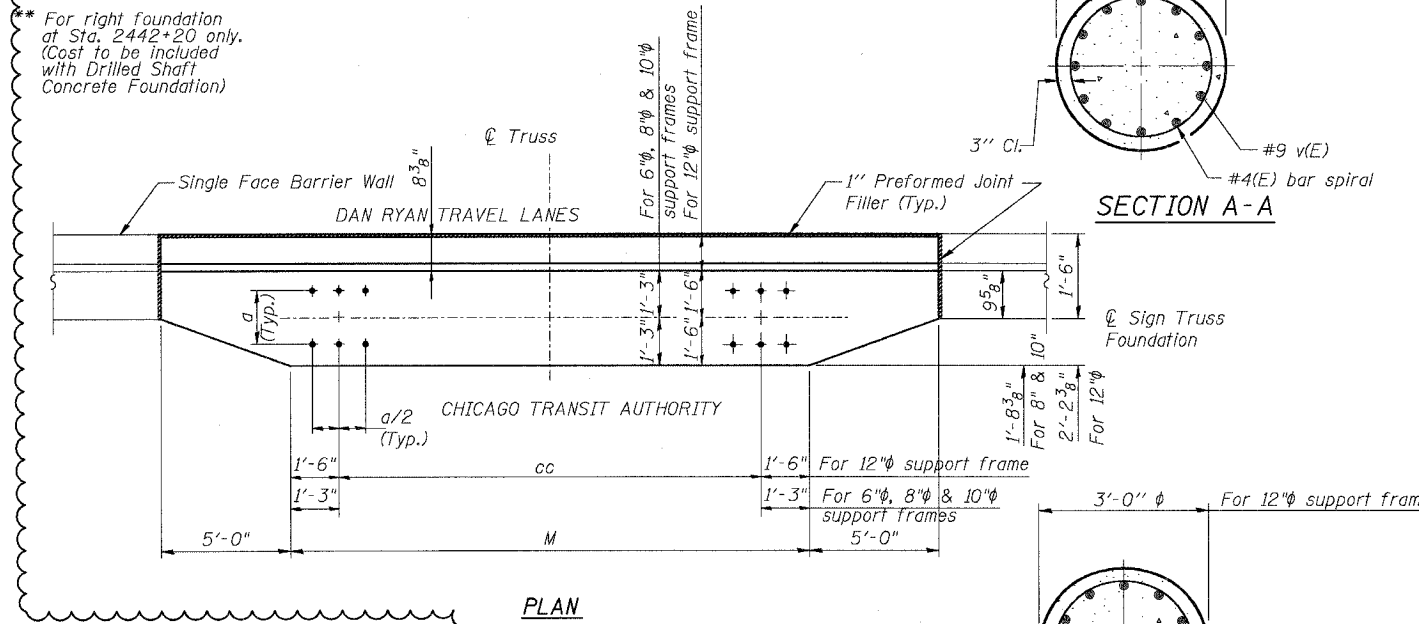
Bar	Number	Size	Length	Shape
h(E)	6	#5	L less 0'-4"	—
h(E)	4	#5	M less 4"+10'-6"	—
s(E)	Varies	#5	14'-6" or 13'-6"	□
s(E)	24	#5	Varies	C
v(E)	24	#9	F less 0'-5"	—
v(E)	16	#19	F less 0'-5"	—

← For 12" support frame  
 ← For 6", 8" & 10" support frames  
 #4(E) bar spiral - see Side Elevation

Pipe Support Frames	cc	M	a	a/2
6"φ	7'-0"	9'-6"	0'-11"	5 1/2"
8"φ	7'-6"	10'-0"	1'-1 1/2"	6 3/4"
10"φ	8'-3"	10'-9"	1'-3"	7 1/2"
12"φ	9'-0"	12'-0"	1'-6"	9"

**SIDE ELEVATION**  
 Concrete Foundation poured monolithically \* Cut to Fit in Field with no construction joint.

**END VIEW**



**LEFT FOUNDATION USES SINGLE FACE MEDIAN SUPPORT FOUNDATION**

Pipe Support Frame	Structure Number	Station	Left Foundation		Right Foundation		Class SI Concrete (Cu. Yds.)
			Elevation Top	Elevation Bottom	Elevation Top	Elevation Bottom	
12"	IS0161094R055.64	3586+80	5.92'	-16.75'	18.0'	22.67'	22.5
10"	IS0161094R056.32	3550+87.27	3.79'	-17.38'	16.50'	21.17'	12.80
8"	IS0161094R055.81	3576+87.34	3.74'	-14.43'	13.50'	18.17'	11.7
8"	IS0161094R055.33	3603+12.34	8.97'	-9.20'	13.50'	18.17'	13.10

ADDENDUM 1 08/12/05  
 ADDENDUM 2 09/16/05

DESIGNED	20
CHECKED	EXAMINED
DRAWN	PASSED
CHECKED	ENGINEER OF STRUCTURAL SERVICES
	ENGINEER OF BRIDGES AND STRUCTURES

**OVERHEAD SIGN STRUCTURES  
 MEDIAN SUPPORT FOUNDATION DETAILS**

**F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION**

**OVERHEAD SIGN STRUCTURES**

MODIFIED FROM OS4-MED

SGN-27

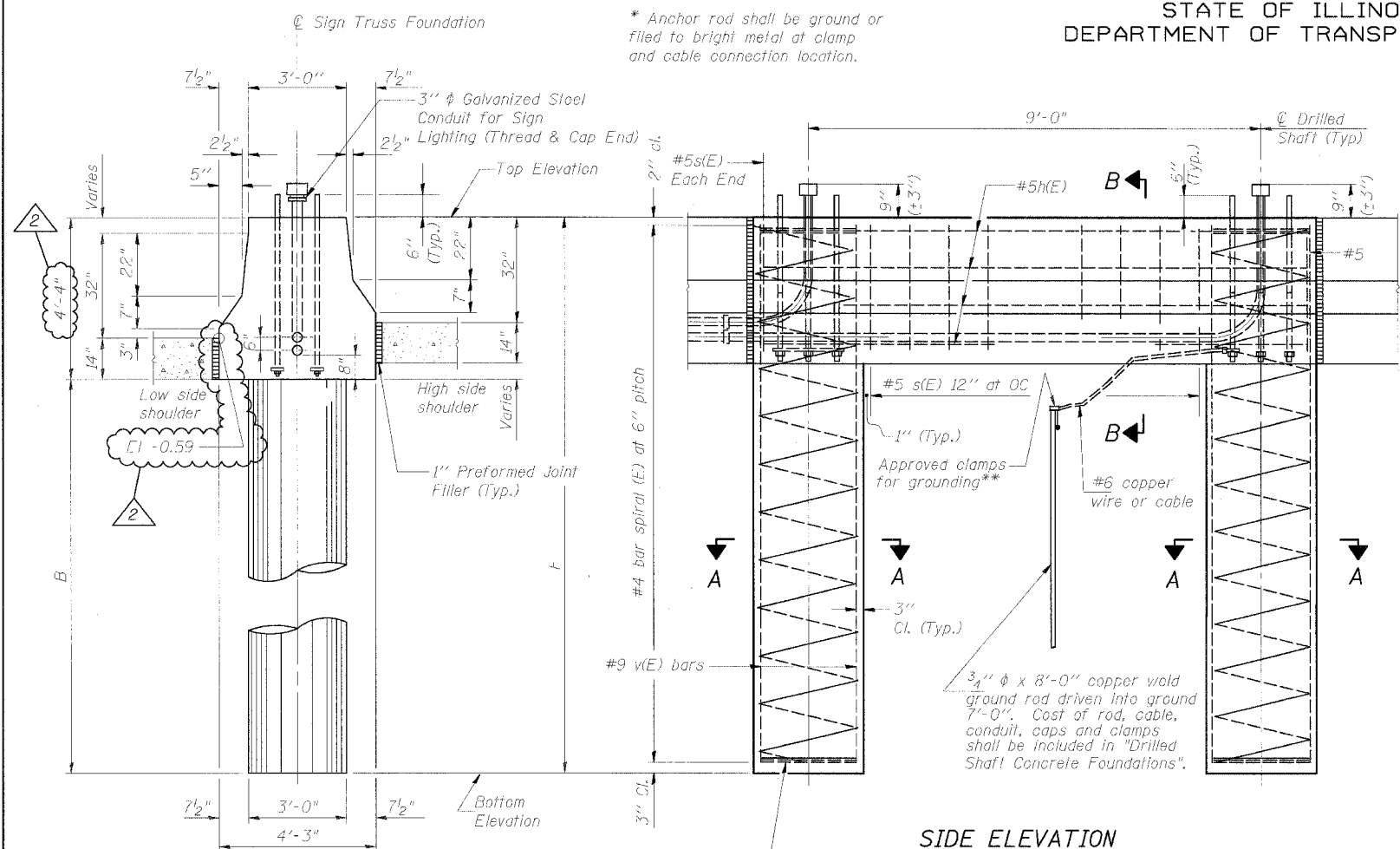
9/14/2005 11:07:53 AM

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	PROJECT	SHEET NO.
90/94	*	COOK	598	351
ILLINOIS PROJECT				

SHEET NO.  
SHEETS

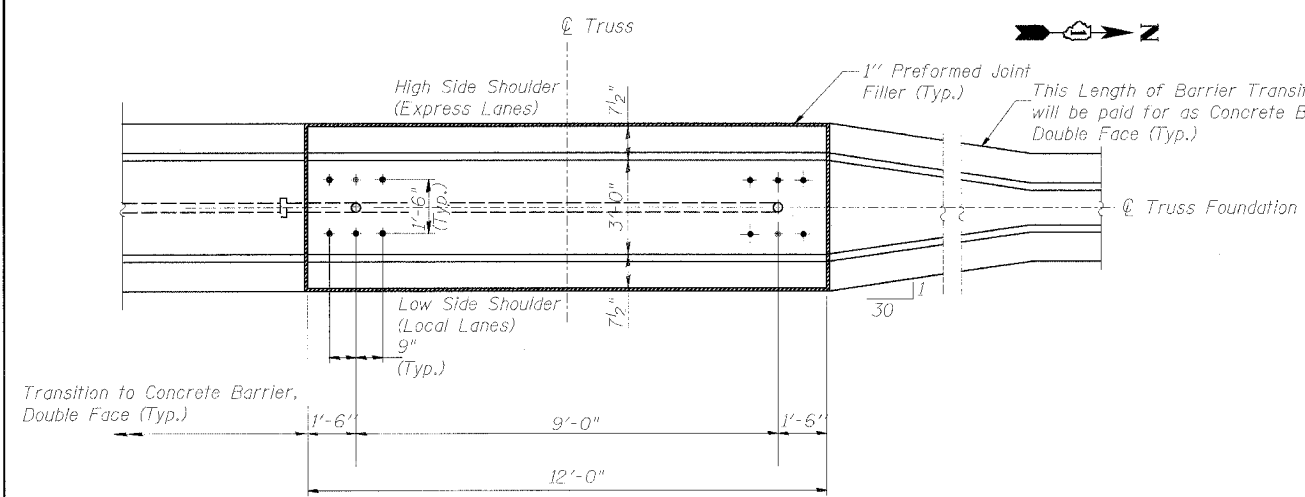
(1818, ETC, 2324.6-1P) R-9  
62302



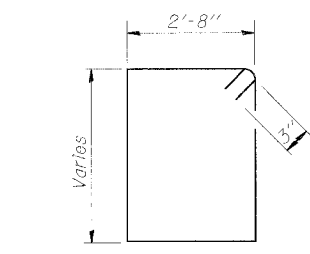
**SIDE ELEVATION**

Concrete Foundation poured monolithically with no construction joint.

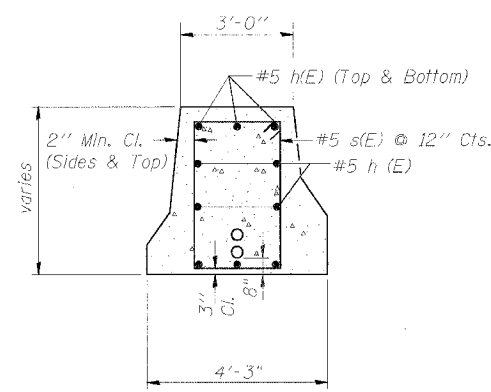
**END VIEW**



**PLAN**



**Bar s(E)**



**SECTION B-B**

**NOTES:**

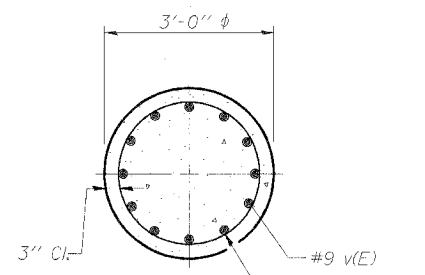
- The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.
- If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.
- No sonotubes or decomposable forms shall be used below the lower conduit entrance.
- Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.
- Concrete shall be placed monolithically, without construction joints.
- Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.
- A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cast included in "Drilled Shaft Concrete Foundation".
- Face of median support foundation shall match dimensions of permanent barrier wall F shape.
- Refer to CONTRACT 62583 for orientation and location of the conduit.

**BAR LIST - EACH FOUNDATION**

Bar	Number	Size	Length	Shape
h(E)	10	#5	11'-8"	
s(E)	9	#5	Varies	□
v(E)	24	#9	F less 0'-5"	
#4(E) bar spiral - see Side Elevation				

**LEFT FOUNDATION USES SINGLE FACE MEDIAN SUPPORT FOUNDATION**

Structure Number	Station	Left Foundation				Right Foundation				Class SI Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	B	F	Elevation Top	Elevation Bottom	B	F	
IS0161094R057.7	1476+22.50					2.57'	-19.76'	18'	22.33'	17.1



**SECTION A-A**

DESIGNED - SWANG	20
CHECKED - JAL	EXAMINED
DRAWN	PASSED
CHECKED	

MODIFIED BY CTE ENGINEERS, INC. FROM OS4-MED

**OVERHEAD SIGN STRUCTURES  
MEDIAN SUPPORT FOUNDATION DETAILS**

F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31st STREET TO 71st STREET  
(SB Express Lanes)

**DOUBLE FACE MEDIAN SUPPORT FOUNDATION**

REVISIONS	
NAME	DATE
JSS & RDP	9-16-05

08/30/2005 09:56:41 AM





STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COCK	598	409
STA.	TO STA.		FED. ROAD DIST. NO.   ILLINOIS FED. AID PROJECT	
			* (1818), ETC., 2324-2-LDR-9 62302	

CTA BARRIER WALL LOCATION AND MODIFICATION TABLE

STATION	CONTRACT 62300 - NORTH BOUND EXPRESS LANES						CONTRACT 62302 - SOUTH BOUND EXPRESS LANES							
	Soldier Piles			Proposed T / Shoulder At or Above Existing		Proposed T / Shoulder Below Existing		Soldier Piles			Proposed T / Shoulder At or Above Existing		Proposed T / Shoulder Below Existing	
	Size	Length	Max. Spacing	Location	Modification	Location	Modification	Size	Length	Max. Spacing	Location	Modification	Location	Modification
35th St.	W12x120	30'		Sta. 2620+32 to 2625+07 Sta. 2621+15 to 2622+34 Sta. 2622+36 to 2625+07	6" Facing			W12x120	30'	5'-0"	Sta. 1609+39 to 1624+69 Sta. 1622+64 to 1624+89	6" Facing		
47th St.	W12x106	20'				Sta. 2529+46 to 2540+38	1'-4 1/2" Facing	W12x72	20'	6'-6"	Sta. 1529+36 to 1537+94	6" Facing		
55th St.	W12x106	20'				Sta. 2476+01 to 2484+81	1'-4 1/2" Facing	W12x106	20'	8'-0"			Sta. 1475+84 to 1484+69	1'-4 1/2" Facing
69th St.	W12x72	20'		Sta. 2372+94 to 2379+56	②			W12x106	20'	8'-0"	Sta. 1372+75 to 1374+50	①	Sta. 1374+50 to 1378+53	①

- ① Replace Exist. 32" Barrier with Single Face Barrier, 42" Spacing
- ② Reface Existing CTA Barrier Wall with Vertical Facing

GENERAL NOTES:

1. Utility locations shown on these plans may not be correct or complete. The Contractor shall coordinate construction activities with the respective utilities of the city of Chicago. Before starting any excavation, the Contractor shall call "GUAN" (Chicago Utility Alert Network) at 312-744-7000 for field locations of buried electric, telephone, and gas facilities (48 hour notification is required). Contact the department of water management permit section at (312) 747-7893 for water and sewer locations.
2. In locations where the main sewers, drainage structures, public, and private drain connections are disturbed or damaged during construction by the Contractor, it will be the Contractor's responsibility to restore and replace the damaged facilities at his/her own expense to the satisfaction of the department of water management. The sewer flows must be maintained at all times.
3. In locations where pilings/drilled shafts are being proposed in the vicinity of the existing sewer facilities, a licensed Structural Engineer shall approve construction methods of support in order to maintain the structural integrity of the city's sewer system.
4. The Location of various items such as pavement, drainage structures, barrier walls and sign structure foundations built in contracts under construction during the preparation of these plans is based on the published contract plan drawings available during design. The Contractor must field verify limits, locations and elevations of these previously constructed items.
5. The Contractor shall use care in grading or excavating near any and all existing items which will not be removed. Any damage done to existing items by the Contractor shall be repaired by the Contractor at the Contractor's own expense.
6. The Contractor shall take all necessary safety precautions to protect and provide access to abutting CTA property, utilities and vehicular traffic.
7. It shall be the Contractor's responsibility to ensure that no gap remains between proposed CTA fencing or where proposed CTA fencing terminates and existing CTA fence remains in place.
8. Hammer driving of piles will not be allowed. All piles must be lifted or vibrated into place.
9. Plan dimensions and details relating to existing structures have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation or a change in the scope of work. However the Contractor will be paid for the quantity actually furnished at the unit price for the work.
10. All construction joints shall be bonded.
11. All exposed concrete edges shall have a 3/4" by 45° chamfer except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of 1 foot below the finished ground line.
12. A protective coat shall be applied within the limits shown on the plans according to Section 503.09 of the Standard Specifications.
13. Reinforcement bars shall conform to the requirements of AASHTO M31 or M322 Grade 60.
14. Reinforcement bars designated "E" shall be epoxy coated.

15. For Existing Barrier Wall Modifications for Proposed T / Shoulder Below Existing, See Sheets B2 and B3.
16. For Existing Barrier Wall Modifications for Proposed T / Shoulder At or Above Existing, See Sheet B4 and B5.
17. For Existing Barrier Wall Modifications for 69th St. Station (SB) See Sheet B6.
18. For Existing Barrier Wall Modifications for 69th St. Station (NB) See Sheet B7.
19. For Refaced Barrier to Pier, Transition Details (Taper), Proposed T / Shoulder Below Existing, See Sheet B8.
20. For Refaced Barrier to Pier, Transition Details (No Taper), Proposed T / Shoulder Below Existing, See Sheet B9.
21. For Refaced Barrier to Pier, Transition Details (Taper), Proposed T / Shoulder At or Above Existing, See Sheet B10.
22. For Refaced Barrier to Pier, Transition Details (No Taper), Proposed T / Shoulder At or Above Existing, See Sheet B11.
23. For New 42" Barrier to Vert. Refaced Barrier, Transition Details (Taper), Proposed T / Shoulder At or Above Existing, See Sheet B12.
24. For Vert. Refaced Barrier to Pier, Transition Details (No Taper), Proposed T / Shoulder At or Above Existing, See Sheet B13.
25. For Refaced Barrier to New 42" Barrier, Transition Details, Proposed T / Shoulder Below Existing, See Sheet B14.
26. For Refaced Barrier to New 42" Barrier, Transition Details, Proposed T / Shoulder At or Above Existing, See Sheet B15.
27. For New 42" Barrier to Pier, Transition Details, Proposed T / Shoulder Below or Above Existing, See Sheet B16.
28. For Refaced Barrier to New Sign Structure, Transition Plan, Elevation and Details, Proposed T / Shoulder Below Existing, See Sheets B17 and B18.
29. If the Contractor chooses to alter the temporary soldier pile and lagging system shown in the Plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

DESIGN STRESSES:

FIELD UNITS  
f'c = 3,500 psi  
fy = 60,000 psi (Reinf.)

CTE | AECOM

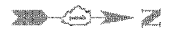
REVISIONS	
NAME	DATE
M.P.	8-12-05
M.P.	9-16-05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
71ST STREET TO 31ST STREET (SB EXPRESS LANES)  
**EXISTING BARRIER WALL  
AT CTA STATIONS  
LOCATION AND MODIFICATION TABLE**  
SCALE: None DRAWN BY: KWT  
DATE: July 7, 2005 CHECKED BY: RDP

Sheet B1 of B1

09/13/2005 05:55:06 AM

F.A.I. RTE. 90/94	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	598	424C
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
* CB19, ETC. 2324.6-1P1R-9				62302



MATCH LINE STA. 1375+00

LEGEND FOR BORINGS

- PROPOSED SIGN STRUCTURE
- (H) HIGH MAST LIGHT POLE
- HML : HIGH MAST LIGHT POLE
- REG : RETAINING WALL, EAST SIDE, WALL-O
- REW : RETAINING WALL, EAST SIDE, WALL-W
- RWC : RETAINING WALL, WEST SIDE, WALL-C
- RWL : RETAINING WALL, WEST SIDE, WALL-L
- SIA : RETAINING WALL, INTERCHANGE, WALL 1A
- SSN : STORM SEWER, NORTHBOUND
- SSS : STORM SEWER, SOUTHBOUND
- SSJ : STORM SEWER, JACKING
- STB : SIGN STRUCTURE
- SSB : BRIDGE
- SEW, SWW : BRIDGE
- SGN : SUBGRADE, NORTHBOUND
- SGS : SUBGRADE, SOUTHBOUND
- BRN : 47th ST. RAMP
- C : CORING

ADDED SHEET



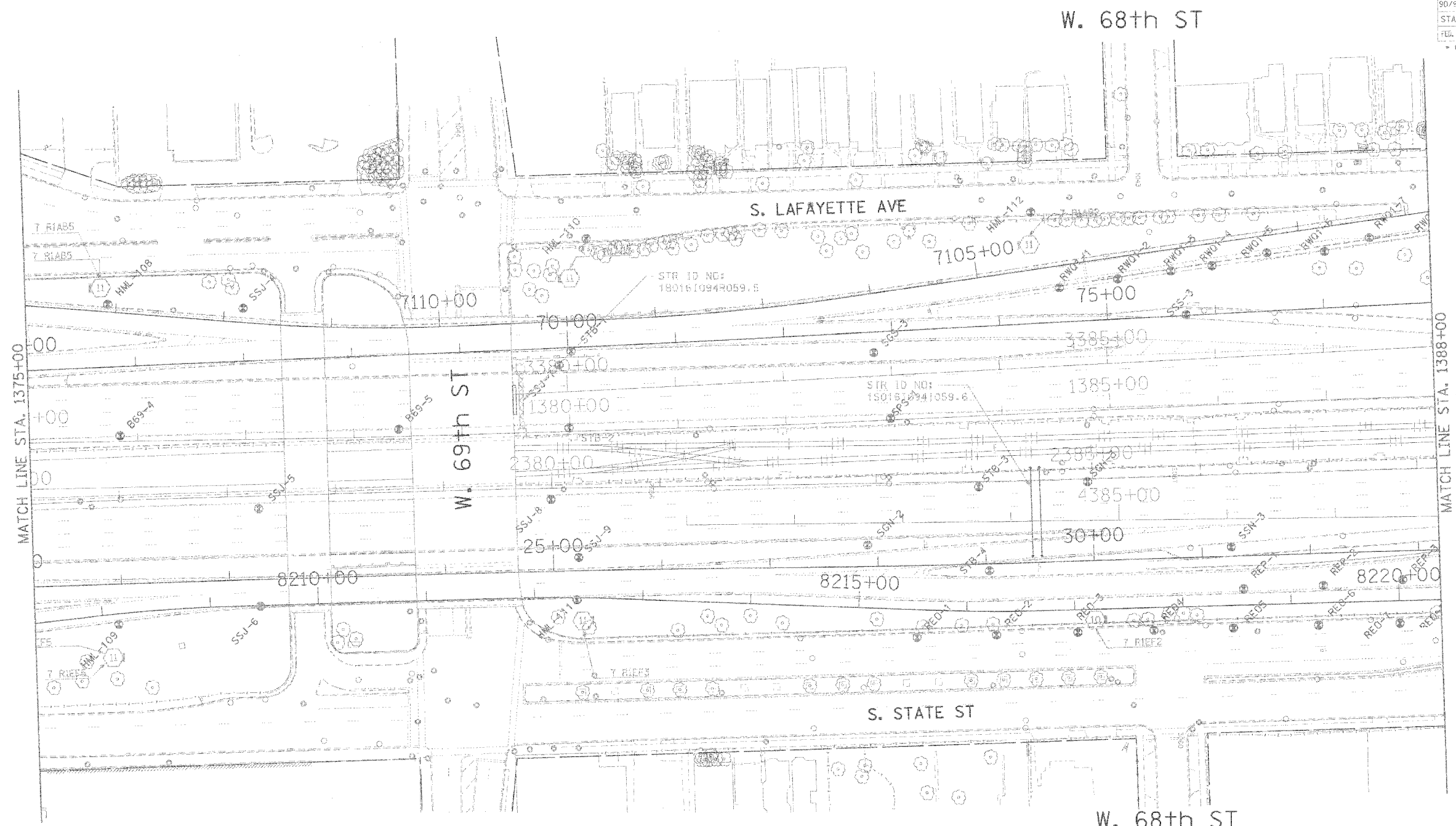
REVISIONS	
NAME	DATE
ADDENDUM #2	9-16-05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
 71ST STREET TO 31ST STREET (SB EXPRESS LANES)  
**SOIL BORING LOCATIONS**

SCALE: 1"=50'  
 DATE: September 16, 2005  
 DRAWN BY: PHP  
 CHECKED BY: JAL



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	598	4240
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
• GS18, ETC. 2324.6-1PR-9			62302	



MATCH LINE STA. 1375+00

MATCH LINE STA. 1388+00

**LEGEND FOR BORINGS**

- PROPOSED SIGN STRUCTURE
- HIGH MAST LIGHT POLE
- HML : HIGH MAST LIGHT POLE
- RED : RETAINING WALL, EAST SIDE, WALL-C
- REW : RETAINING WALL, EAST SIDE, WALL-W
- RWC : RETAINING WALL, WEST SIDE, WALL-C
- RWL : RETAINING WALL, WEST SIDE, WALL-L
- SIA : RETAINING WALL, INTERCHANGE, WALL-IA
- SSN : STORM SEWER, NORTHBOUND
- SSS : STORM SEWER, SOUTHBOUND
- SSJ : STORM SEWER, JACKING
- STB : SIGN STRUCTURE
- SSB : BRIDGE
- SSW : BRIDGE
- SSN : SUBGRADE, NORTHBOUND
- SSS : SUBGRADE, SOUTHBOUND
- BRN : 47TH ST. RAMP
- C : BORING

ADDED SHEET



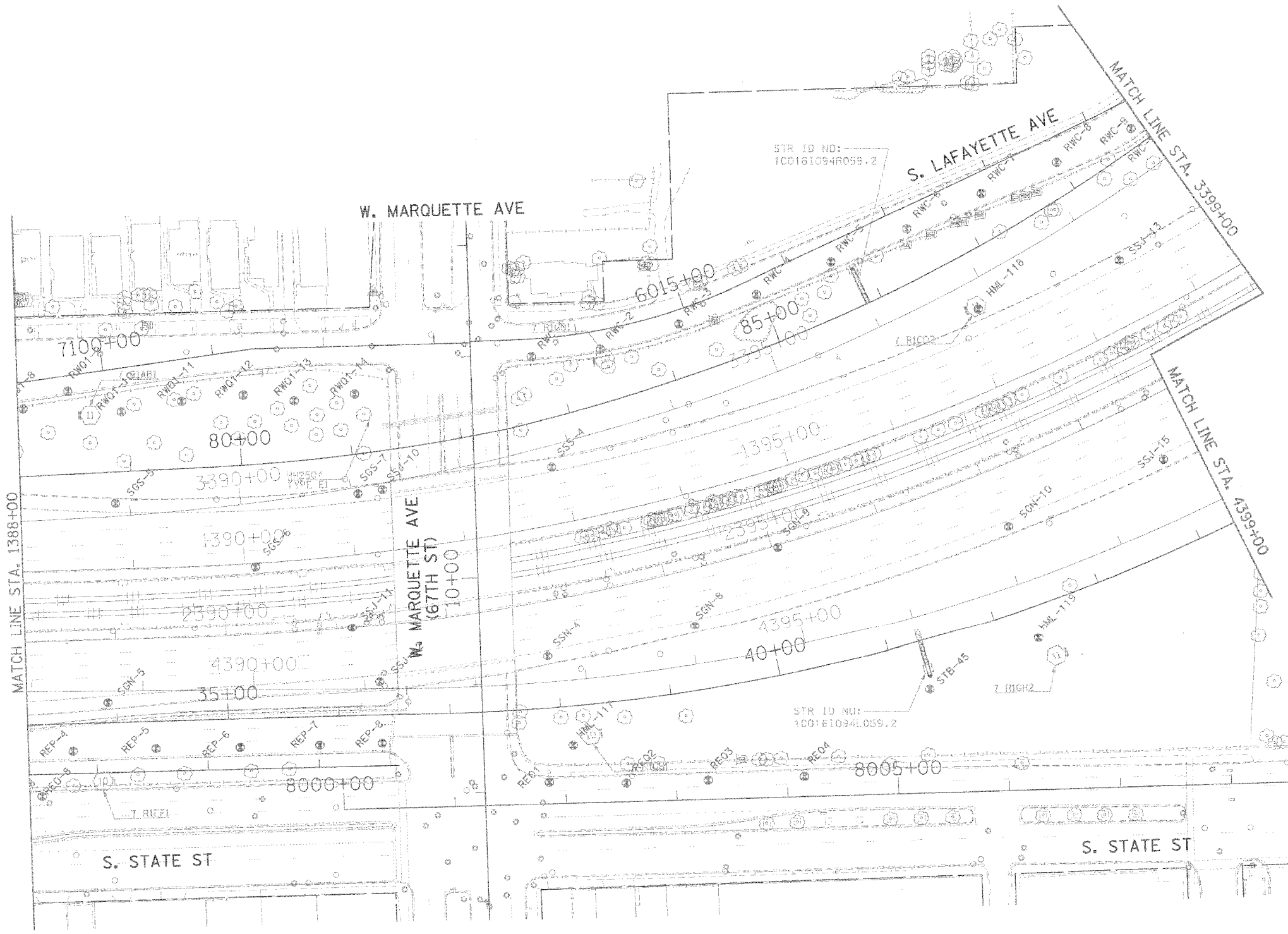
REVISIONS	
NAME	DATE
ADDENDUM #2	9.16.05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
 71ST STREET TO 31ST STREET (SB EXPRESS LANES)

**SOIL BORING LOCATIONS**

SCALE: 1"=50'  
 DATE: September 16, 2005  
 DRAWN BY: PHP  
 CHECKED BY: JAL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	598	424E
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
+ 41616, ETC, 2324.6-IPR-9		62302		



LEGEND FOR BORINGS

- PROPOSED SIGN STRUCTURE
- HIGH MAST LIGHT POLE
- HML : HIGH MAST LIGHT POLE
- RED : RETAINING WALL, EAST SIDE, WALL-B
- REW : RETAINING WALL, EAST SIDE, WALL-W
- RWC : RETAINING WALL, WEST SIDE, WALL-C
- RWL : RETAINING WALL, WEST SIDE, WALL-L
- SIA : RETAINING WALL, INTERCHANGE, WALL IA
- SSN : STORM SEWER, NORTHBOUND
- SSS : STORM SEWER, SOUTHBOUND
- SSJ : STORM SEWER, JACKING
- STB : SIGN STRUCTURE
- SSB : BRIDGE
- SEW, SWW : BRIDGE
- SON : SUBGRADE, NORTHBOUND
- SSS : SUBGRADE, SOUTHBOUND
- BRN : 47th ST. RAMP
- C : CORING

ADDED SHEET

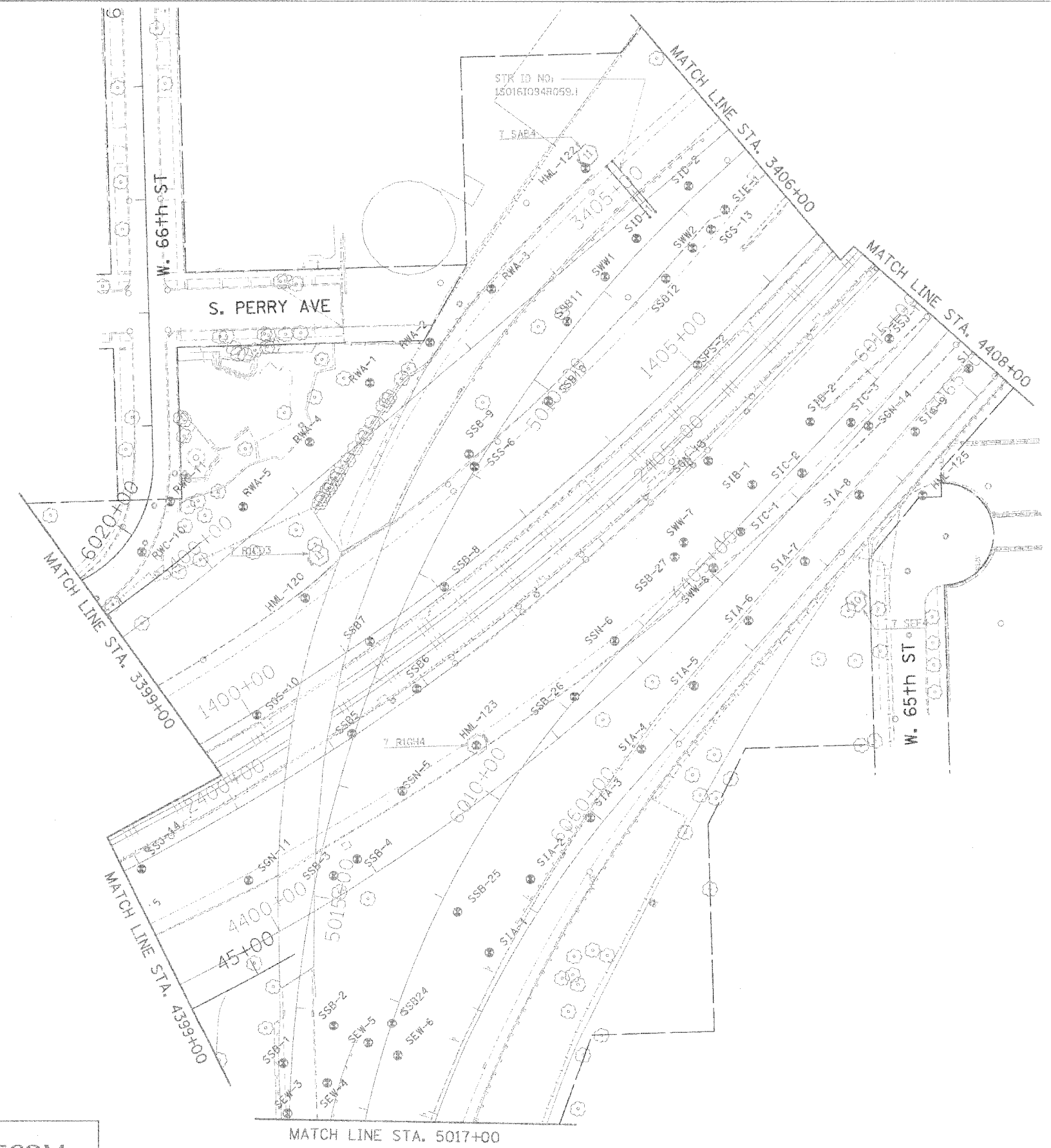


REVISIONS	
NAME	DATE
ADDENDUM #2	9-16-05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
 71ST STREET TO 31ST STREET (SB EXPRESS LANES)  
**SOIL BORING LOCATIONS**

SCALE: 1"=50'  
 DATE: September 16, 2005  
 DRAWN BY: PHP  
 CHECKED BY: JAL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	598	424F
STA.	TO STA.		PROJECT	
FED. ROAD DIST. NO. 1	ILLINOIS		FED. AID PROJECT	
* UR18, ETC, 2324.G-1PR-9			62302	



**LEGEND FOR BORINGS**

- PROPOSED SIGN STRUCTURE
- HIGH MAST LIGHT POLE
- HML : HIGH MAST LIGHT POLE
- REQ : RETAINING WALL, EAST SIDE, WALL-Q
- REW : RETAINING WALL, EAST SIDE, WALL-W
- RWC : RETAINING WALL, WEST SIDE, WALL-C
- RWL : RETAINING WALL, WEST SIDE, WALL-L
- SIA : RETAINING WALL, INTERCHANGE, WALL-IA
- SSN : STORM SEWER, NORTHBOUND
- SSS : STORM SEWER, SOUTHBOUND
- SSJ : STORM SEWER, JACKING
- STB : SIGN STRUCTURE
- SSB : BRIDGE
- SEW, SWW : BRIDGE
- SSN : SUBGRADE, NORTHBOUND
- SGS : SUBGRADE, SOUTHBOUND
- BRN : 47th ST. RAMP
- C : CORING

ADDED SHEET



REVISIONS	
NAME	DATE
ADDENDUM #2	9-16-05

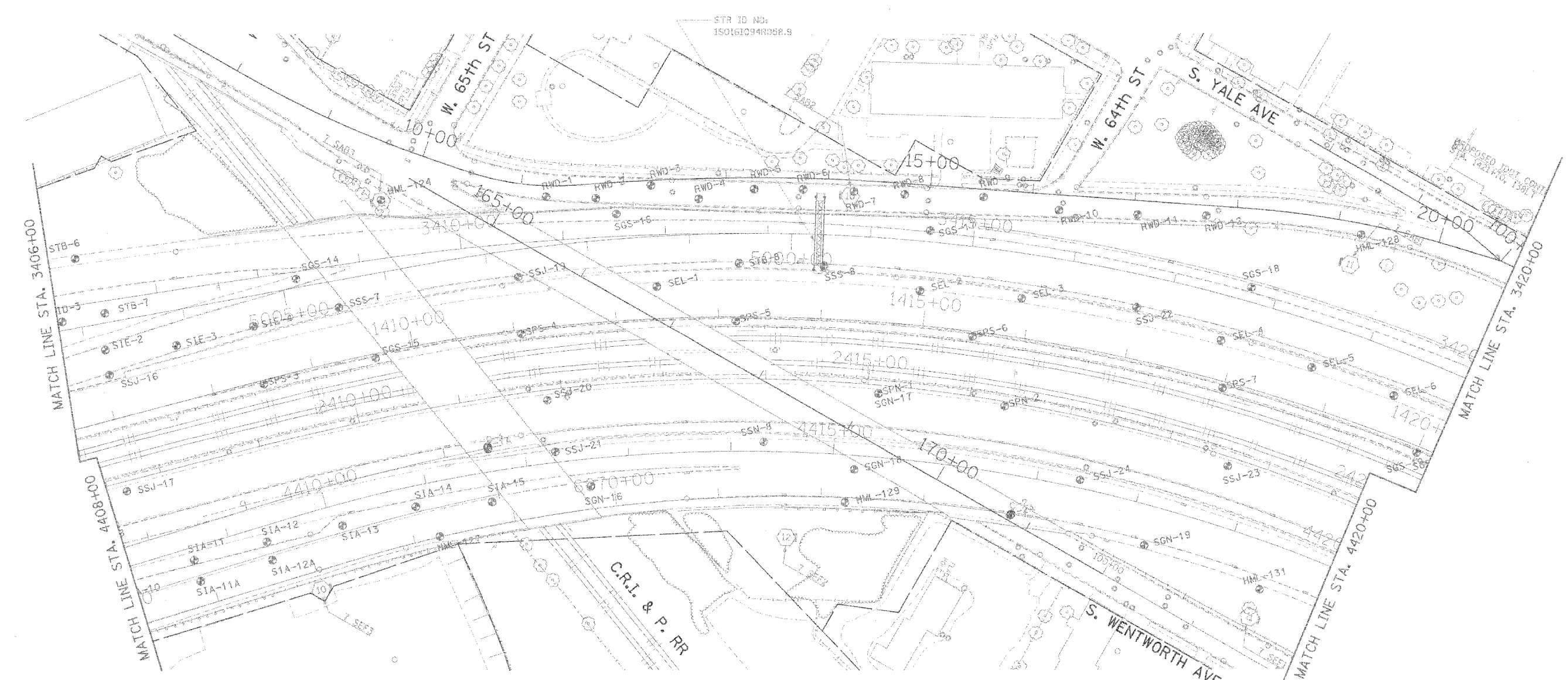
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
 71ST STREET TO 31ST STREET (SB EXPRESS LANES)

**SOIL BORING LOCATIONS**

SCALE: 1"=50'  
 DATE: September 16, 2005  
 DRAWN BY: PHP  
 CHECKED BY: JAL

**CTE | AECOM**

10/24/05 10:54:38 PM



**LEGEND FOR BORINGS**

- PROPOSED SIGN STRUCTURE
- HIGH MAST LIGHT POLE
- HML : HIGH MAST LIGHT POLE
- RED : RETAINING WALL, EAST SIDE, WALL-O
- REW : RETAINING WALL, EAST SIDE, WALL-W
- RWC : RETAINING WALL, WEST SIDE, WALL-C
- RWL : RETAINING WALL, WEST SIDE, WALL-L
- STA : RETAINING WALL, INTERCHANGE, WALL TA
- SGN : STORM SEWER, NORTHBOUND
- SSS : STORM SEWER, SOUTHBOUND
- SSJ : STORM SEWER, JACKING
- STB : SIGN STRUCTURE
- SSR : BRIDGE
- SEW.SWW : BRIDGE
- SGN : SUBGRADE, NORTHBOUND
- SGS : SUBGRADE, SOUTHBOUND
- BRN : 4TH ST. RAMP
- C : CORING

ADDED SHEET



REVISIONS	
NAME	DATE
ADDENDUM #2	9-26-05

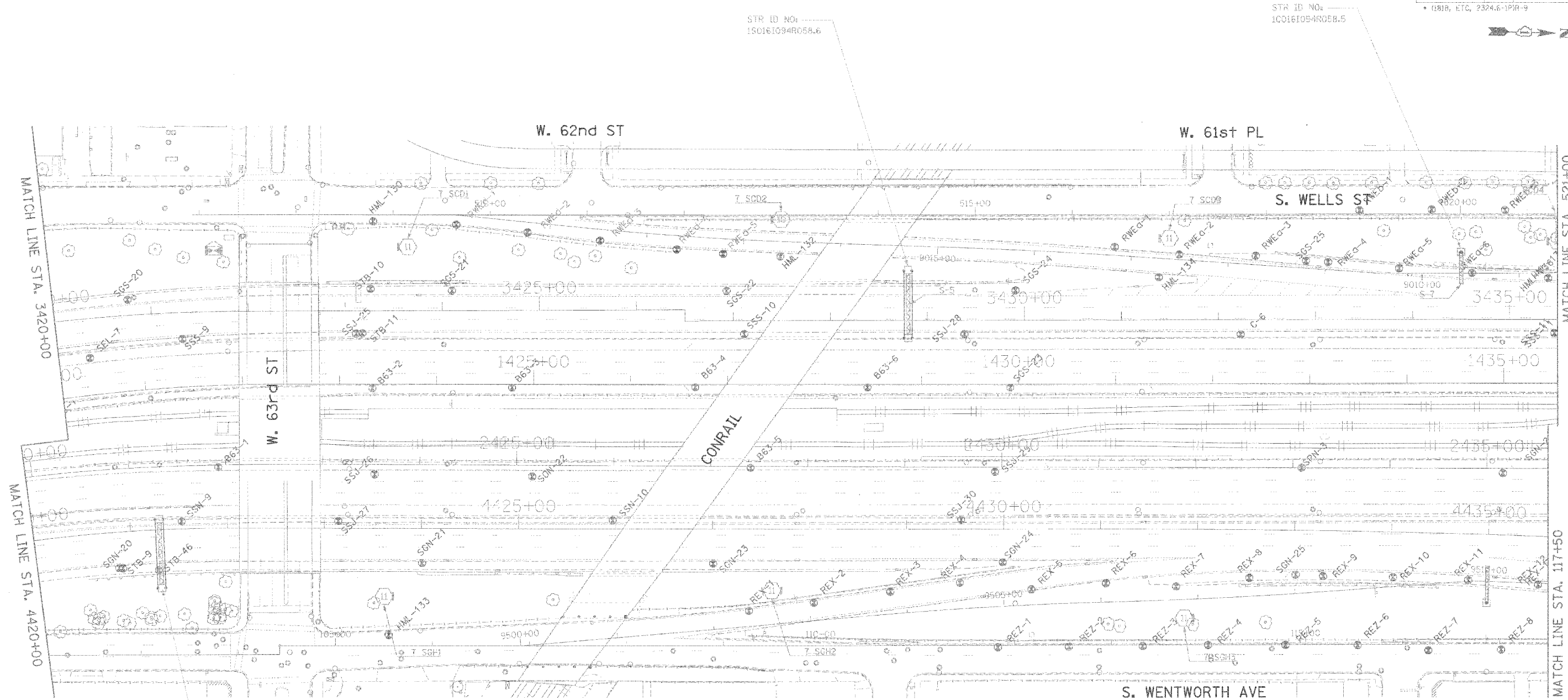
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
 71ST STREET TO 31ST STREET (SB EXPRESS LANES)

**SOIL BORING LOCATIONS**

SCALE: 1"=50'  
 DATE: September 16, 2005  
 DRAWN BY: PHP  
 CHECKED BY: JAL



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	598	424H
STA.	TO STA.		PROJECT	
			ILLINOIS FED. AID PROJECT	
			• (R18, ETC, 2324.6-1PR-9	
			62302	



STR ID NO: 150161094R058.6

STR ID NO: 100161094R058.5

STR ID NO: 150161094L058.8

LEGEND FOR BORINGS

- PROPOSED SIGN STRUCTURE
- HIGH MAST LIGHT POLE
- HML : HIGH MAST LIGHT POLE
- REO : RETAINING WALL, EAST SIDE, WALL-O
- REW : RETAINING WALL, EAST SIDE, WALL-W
- RWC : RETAINING WALL, WEST SIDE, WALL-C
- RWL : RETAINING WALL, WEST SIDE, WALL-L
- SIA : RETAINING WALL, INTERCHANGE, WALL IA
- SSN : STORM SEWER, NORTHBOUND
- SSS : STORM SEWER, SOUTHBOUND
- SSJ : STORM SEWER, JACKING
- STB : SIGN STRUCTURE
- SSB : BRIDGE
- SEW.SBW : BRIDGE
- SSN : SUBGRADE, NORTHBOUND
- SSS : SUBGRADE, SOUTHBOUND
- BRN : 4TH ST. RAMP
- C : CORING

ADDED SHEET



REVISIONS	
NAME	DATE
ADDENDUM #2	9-15-05

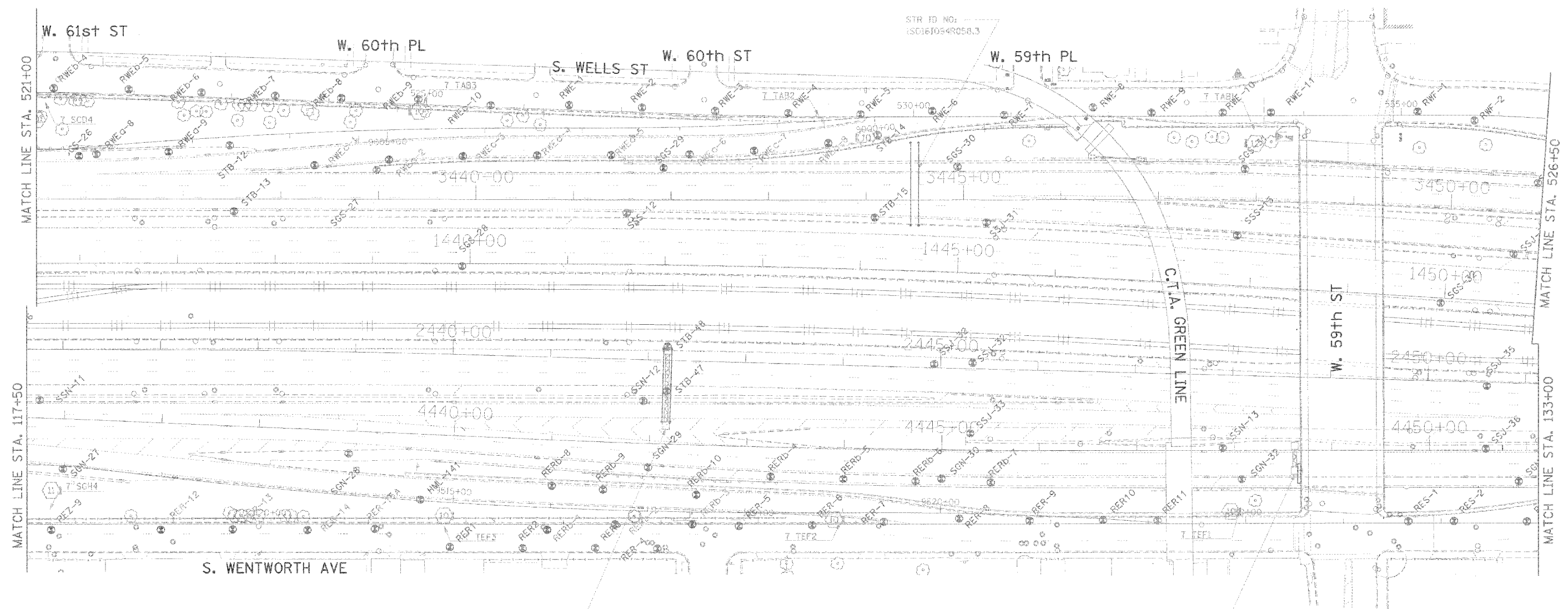
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
 71ST STREET TO 31ST STREET (SB EXPRESS LANES)

SOIL BORING LOCATIONS

SCALE: 1"=50'  
 DATE: September 16, 2005  
 DRAWN BY: PHP  
 CHECKED BY: JAL



F.A.I. RFL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	598	4241
STA.	TO STA.		PROJECT	
			ILLINOIS FED. AID PROJECT	
			62302	



STR ID NO:  
1S0161094L058.4

LEGEND FOR BORINGS

- PROPOSED SIGN STRUCTURE
- ⊙ HIGH MAST LIGHT POLE
- HML : HIGH MAST LIGHT POLE
- RED : RETAINING WALL, EAST SIDE, WALL-D
- REW : RETAINING WALL, EAST SIDE, WALL-W
- RWC : RETAINING WALL, WEST SIDE, WALL-C
- RWL : RETAINING WALL, WEST SIDE, WALL-L
- SJA : RETAINING WALL, INTERCHANGE, WALL IA
- SSN : STORM SEWER, NORTHBOUND
- SSS : STORM SEWER, SOUTHBOUND
- SSJ : STORM SEWER, JACKING
- STB : SIGN STRUCTURE
- SSB : BRIDGE
- SEW.SRW : BRIDGE
- SGN : SUBGRADE, NORTHBOUND
- SGS : SUBGRADE, SOUTHBOUND
- BRN : 47th ST. RAMP
- C : CORING

STR ID NO:  
1B0161094L058.2

ADDU SHEET



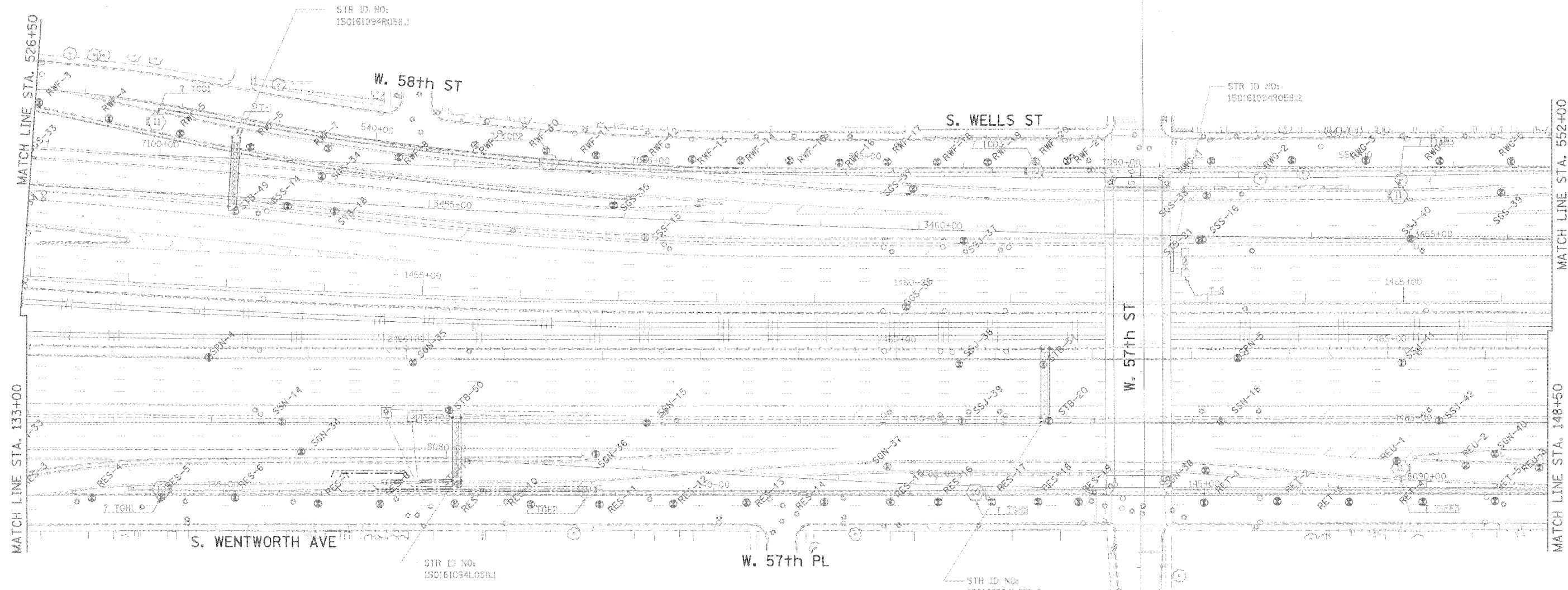
REVISIONS	
NAME	DATE
ADDENDUM #2	9-15-05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
71ST STREET TO 31ST STREET (SB EXPRESS LANES)

SOIL BORING LOCATIONS

SCALE: 1"=50'  
DATE: September 16, 2005  
DRAWN BY: PHP  
CHECKED BY: JAL

CTE | AECOM



LEGEND FOR BORINGS

- PROPOSED SIGN STRUCTURE
- HIGH MAST LIGHT POLE
- HML : HIGH MAST LIGHT POLE
- RED : RETAINING WALL, EAST SIDE, WALL-D
- REW : RETAINING WALL, EAST SIDE, WALL-W
- RWC : RETAINING WALL, WEST SIDE, WALL-C
- RWL : RETAINING WALL, WEST SIDE, WALL-L
- SIA : RETAINING WALL, INTERCHANGE, WALL IA
- SSN : STORM SEWER, NORTHBOUND
- SSS : STORM SEWER, SOUTHBOUND
- SSJ : STORM SEWER, JACKING
- STB : SIGN STRUCTURE
- SSB : BRIDGE
- SEW-SBW : BRIDGE
- SGN : SUBGRADE, NORTHBOUND
- SCS : SUBGRADE, SOUTHBOUND
- BRN : 47th ST. RAMP
- C : CORING

ADDED SHEET



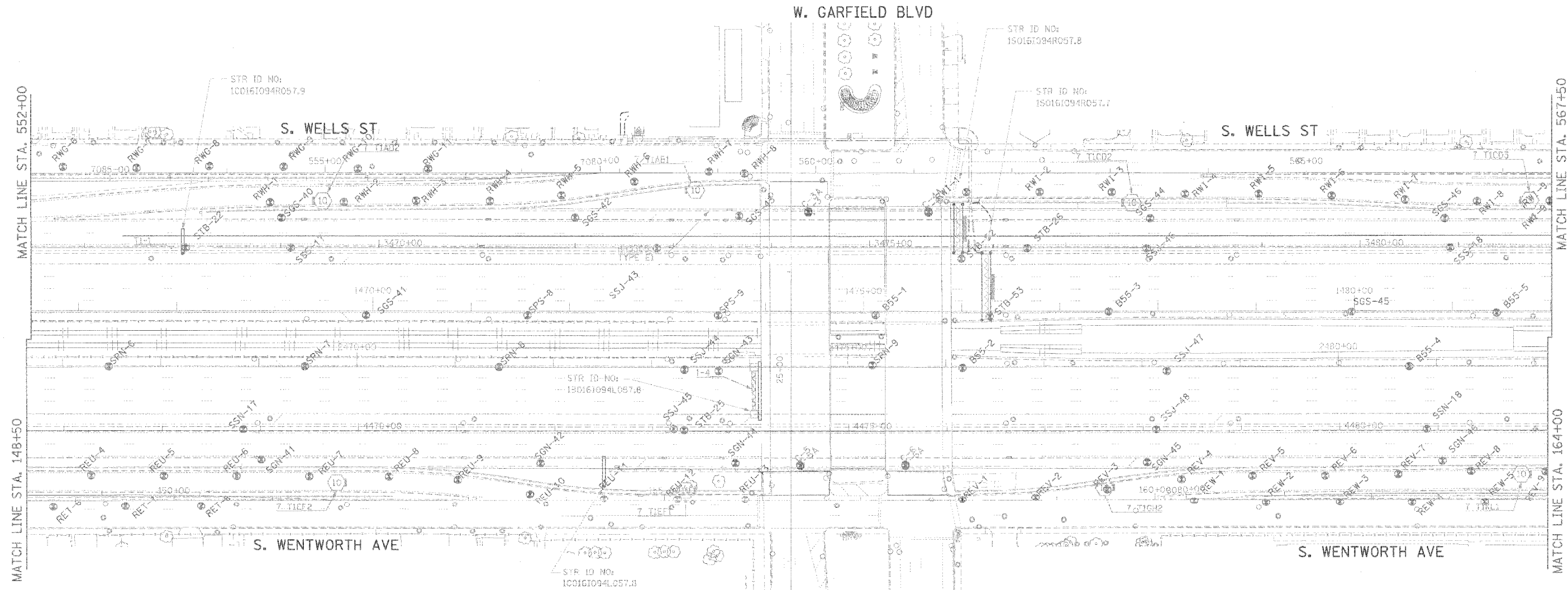
REVISIONS	
NAME	DATE
ADDENDUM #2	9-16-05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
 71ST STREET TO 31ST STREET (SB EXPRESS LANES)

SOIL BORING LOCATIONS

SCALE: 1"=50'  
 DATE: September 16, 2005  
 DRAWN BY: PHP  
 CHECKED BY: JAL

F.A.I. RTE. 90/94	SECTION A	COUNTY COOK	TOTAL SHEETS 598	SHEET NO. 424K
STA. FED. ROAD DIST. NO. 1		TO STA. ILLINOIS FED. AID PROJECT		62302
* 0818, ETC. 2324.6-191R-9				



**LEGEND FOR BORINGS**

- PROPOSED SIGN STRUCTURE
- HIGH MAST LIGHT POLE
- HML : HIGH MAST LIGHT POLE
- REC : RETAINING WALL, EAST SIDE, WALL-O
- REW : RETAINING WALL, EAST SIDE, WALL-W
- RWC : RETAINING WALL, WEST SIDE, WALL-C
- RWL : RETAINING WALL, WEST SIDE, WALL-L
- SIA : RETAINING WALL, INTERCHANGE, WALL IA
- SSN : STORM SEWER, NORTHBOUND
- SSS : STORM SEWER, SOUTHBOUND
- SSJ : STORM SEWER, JACKING
- STB : SIGN STRUCTURE
- SSB : BRIDGE
- SEW-SBW : BRIDGE
- SGN : SUBGRADE, NORTHBOUND
- SSG : SUBGRADE, SOUTHBOUND
- BRN : 47th ST. RAMP
- C : CURBING

ADDED SHEET



REVISIONS	
NAME	DATE
ADDENDUM #2	9-16-05

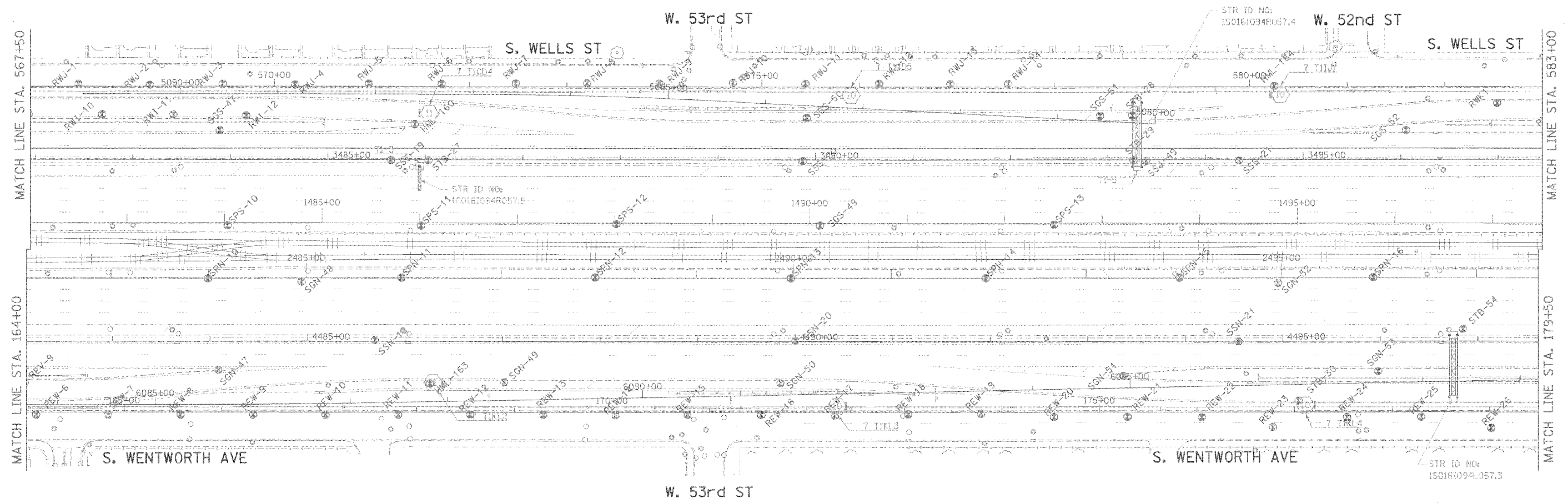
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
71ST STREET TO 31ST STREET (SB EXPRESS LANES)

**SOIL BORING LOCATIONS**

SCALE: 1"=50'  
DATE: September 16, 2005  
DRAWN BY: PHP  
CHECKED BY: JAL



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	598	424
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
* 0815, ETC, 2324.6-IPR-9				62302



LEGEND FOR BORINGS

- PROPOSED SIGN STRUCTURE
- HIGH MAST LIGHT POLE
- HML : HIGH MAST LIGHT POLE
- RED : RETAINING WALL, EAST SIDE, WALL-D
- REW : RETAINING WALL, EAST SIDE, WALL-W
- RWC : RETAINING WALL, WEST SIDE, WALL-C
- RWL : RETAINING WALL, WEST SIDE, WALL-L
- SIA : RETAINING WALL, INTERCHANGE, WALL IA
- SSN : STORM SEWER, NORTHBOUND
- SSS : STORM SEWER, SOUTHBOUND
- SSJ : STORM SEWER, JACKLING
- STB : SIGN STRUCTURE
- SSB : BRIDGE
- SFW-SW : BRIDGE
- SN : SUBGRADE, NORTHBOUND
- SS : SUBGRADE, SOUTHBOUND
- BRN : 4TH ST. BAMP
- C : CORING

ADD'D SHEET



REVISIONS	
NAME	DATE
ADDENDUM #2	9-16-05

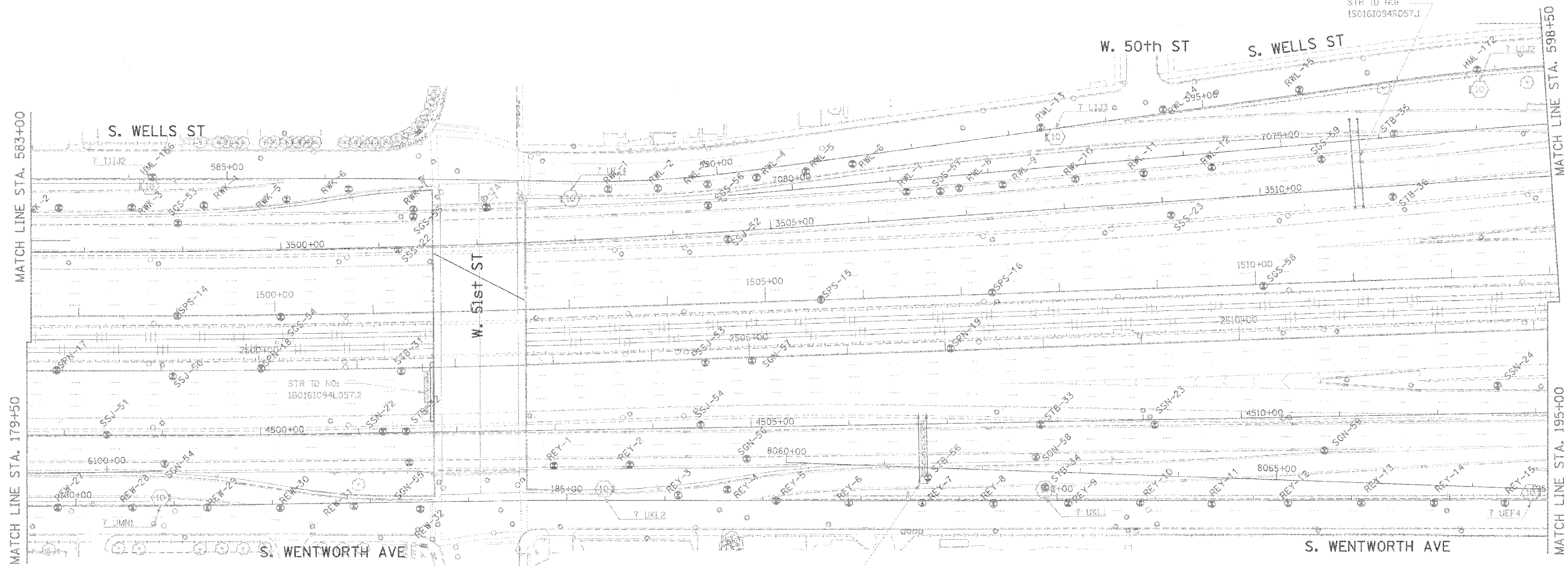
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
 71ST STREET TO 31ST STREET (SB EXPRESS LANES)

SOIL BORING LOCATIONS

SCALE: 1"=50'  
 DATE: September 16, 2005  
 DRAWN BY: PHP  
 CHECKED BY: JAL



F.A.I. R/F.C.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	598	424M
STA.	TO STA.		PROJECT	
			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
			• GB18, ETC. 2324.6-IPR-9 62302	



STR ID NO:  
1S016T094L057.1

**LEGEND FOR BORINGS**

- PROPOSED SIGN STRUCTURE
- ⊕ HIGH MAST LIGHT POLE
- HML : HIGH MAST LIGHT POLE
- RED : RETAINING WALL, EAST SIDE, WALL-D
- REW : RETAINING WALL, EAST SIDE, WALL-W
- RWC : RETAINING WALL, WEST SIDE, WALL-C
- RWL : RETAINING WALL, WEST SIDE, WALL-L
- SIA : RETAINING WALL, INTERCHANGE, WALL IA
- SSN : STORM SEWER, NORTHBOUND
- SSS : STORM SEWER, SOUTHBOUND
- SSJ : STORM SEWER, JACKING
- STB : SIGN STRUCTURE
- SSB : BRIDGE
- SEN, SWW : BRIDGE
- SGN : SUBGRADE, NORTHBOUND
- SOS : SUBGRADE, SOUTHBOUND
- BRN : 47TH ST. RAMP
- C : BORING

ADDU SHEET



REVISIONS	
NAME	DATE
ADDENDUM #2	9-16-05

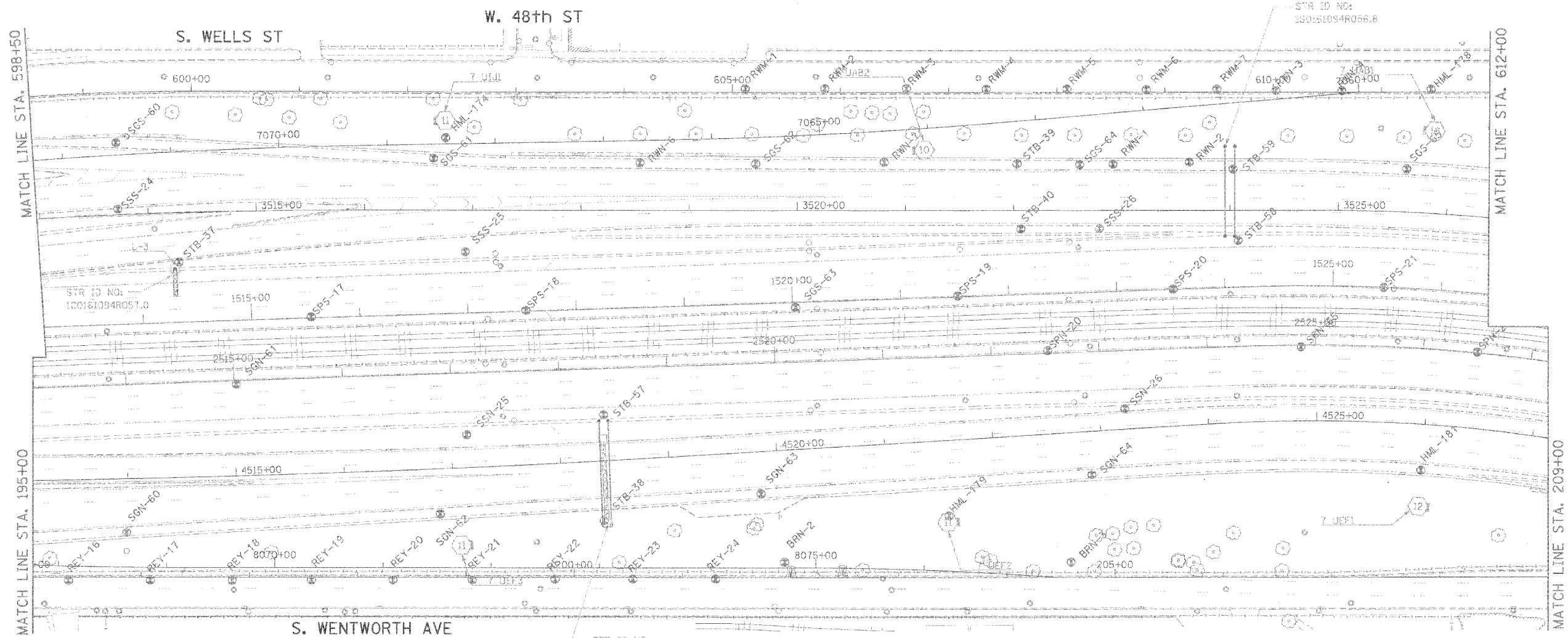
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
71ST STREET TO 31ST STREET (SB EXPRESS LANES)

**SOIL BORING LOCATIONS**

SCALE: 1"=50'  
DATE: September 16, 2005  
DRAWN BY: PHP  
CHECKED BY: JAL



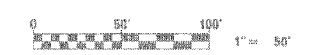
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	598	424N
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT	
• 01818, ETC. 2324.6-1PR-9			62302	



LEGEND FOR BORINGS

- PROPOSED SIGN STRUCTURE
- HIGH MAST LIGHT POLE
- HML : HIGH MAST LIGHT POLE
- REO : RETAINING WALL, EAST SIDE, WALL-O
- REW : RETAINING WALL, EAST SIDE, WALL-W
- RWC : RETAINING WALL, WEST SIDE, WALL-C
- RWL : RETAINING WALL, WEST SIDE, WALL-L
- SIA : RETAINING WALL, INTERCHANGE, WALL IA
- SSN : STORM SEWER, NORTHBOUND
- SSS : STORM SEWER, SOUTHBOUND
- SSJ : STORM SEWER, JACKING
- STB : SIGN STRUCTURE
- SSB : BRIDGE
- SEW-SWB : BRIDGE
- SON : SUBGRADE, NORTHBOUND
- SSS : SUBGRADE, SOUTHBOUND
- BRN : 47 FT. ST. RAMP
- C : CORING

ADDED SHEET



REVISIONS	
NAME	DATE
ADDENDUM #2	9-15-05

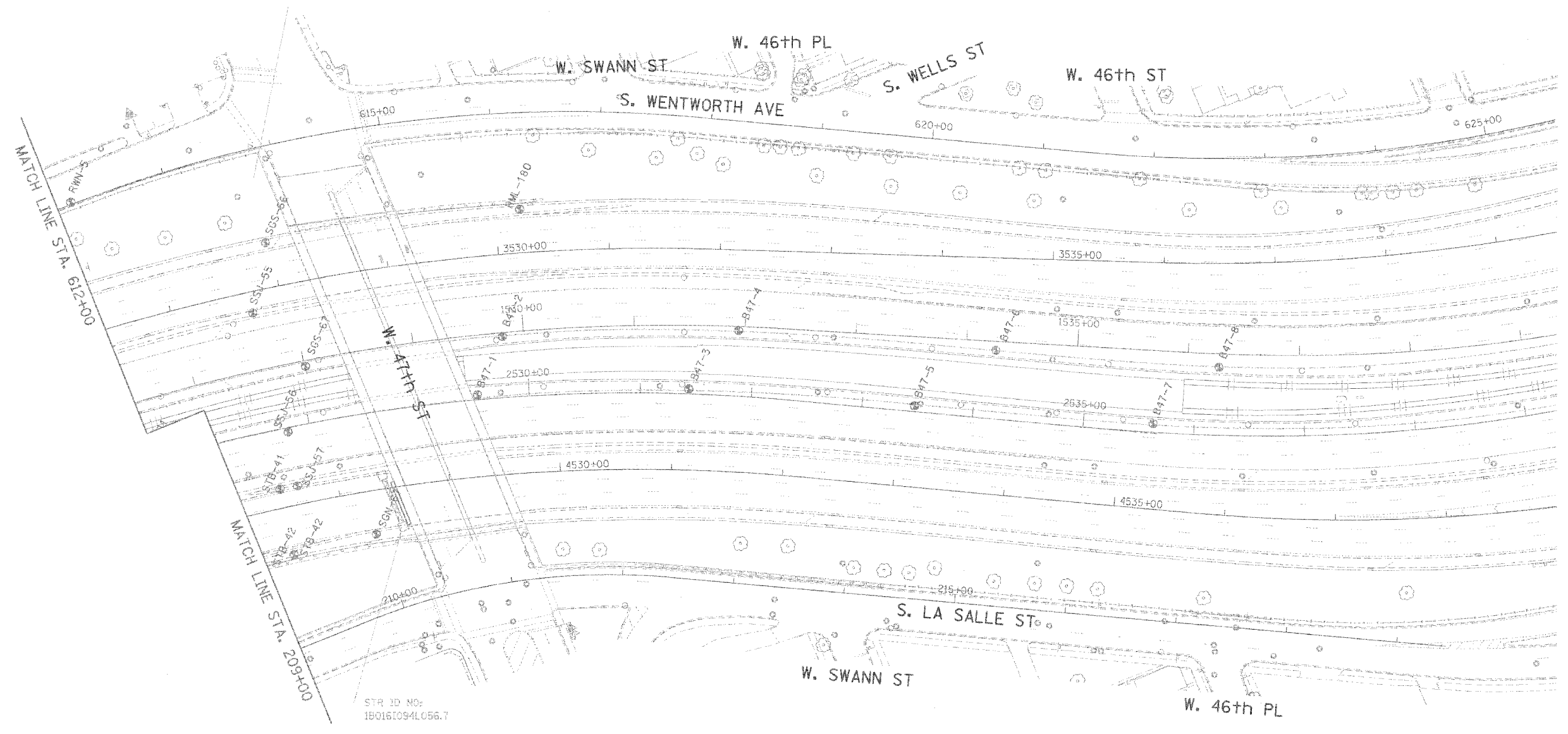
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
71ST STREET TO 31ST STREET (SB EXPRESS LANES)

SOIL BORING LOCATIONS

SCALE: 1"=50'  
DATE: September 16, 2005  
DRAWN BY: PHP  
CHECKED BY: JAL





















F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	598	4240
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
11818, ETC. 2324.6-1PR-9		62302		



STR ID NO:  
1B0161094L056.7

LEGEND FOR BORINGS

-  PROPOSED SIGN STRUCTURE
-  HIGH MAST LIGHT POLE
-  HML : HIGH MAST LIGHT POLE
-  RED : RETAINING WALL, EAST SIDE, WALL-O
-  REW : RETAINING WALL, EAST SIDE, WALL-W
-  RWC : RETAINING WALL, WEST SIDE, WALL-C
-  RWL : RETAINING WALL, WEST SIDE, WALL-L
-  SIA : RETAINING WALL, INTERCHANGE, WALL IA
-  SSN : STORM SEWER, NORTHBOUND
-  SSS : STORM SEWER, SOUTHBOUND
-  SSJ : STORM SEWER, JACKING
-  STS : SIGN STRUCTURE
-  SSB : BRIDGE
-  SEW.SW : BRIDGE
-  SQN : SUBGRADE, NORTHBOUND
-  SGS : SUBGRADE, SOUTHBOUND
-  BRN : 47th ST. RAMP
-  C : BORING

4000 SHEET



REVISIONS	
NAME	DATE
ADDENDUM #2	9-15-05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
71ST STREET TO 31ST STREET (SB EXPRESS LANES)

SOIL BORING LOCATIONS

SCALE: 1"=50'  
DATE: September 16, 2005  
DRAWN BY: PHP  
CHECKED BY: JAL

Illinois Department of Transportation  
Division of Highways  
SOIL BORING LOG Page 1 of 1  
Date 7/18/95

ROUTE F.A.I. 90 / I-94 DESCRIPTION Dan Ryan Expressway (I-90-419-80) LOGGED BY RP

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Station

BORING NO. SPS-92 Station 1481+42.25  
Offset 4.384 ft  
Ground Surface Elev. -12.81 ft

DEPTH (ft)	SOIL DESCRIPTION	WATER	TEMPERATURE (F)	REMARKS
0	Surface Water Elev. _____ ft			
0	Stream Bed Elev. _____ ft			
0	Groundwater Elev. _____ ft			
0	First Encounter Upon Completion After _____ ft			
0	Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)			
2				
4				
6				
8				
10				
12				
14				
16				
18				
20				
22				
24				
26				
28				
30				
32				
34				
36				
38				
40				
42				
44				
46				
48				
50				
52				
54				
56				
58				
60				
62				
64				
66				
68				
70				
72				
74				
76				
78				
80				
82				
84				
86				
88				
90				
92				
94				
96				
98				
100				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Value, S-Shear, P-Permeability)  
The SPT (N) values is the sum of the last two blow values in each sampling zone (MSHTD 1285)  
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation  
Division of Highways  
SOIL BORING LOG Page 1 of 1  
Date 7/18/95

ROUTE F.A.I. 90 / I-94 DESCRIPTION Dan Ryan Expressway (I-90-419-80) LOGGED BY RP

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Station

BORING NO. SPS-92 Station 1481+42.25  
Offset 4.384 ft  
Ground Surface Elev. -12.81 ft

DEPTH (ft)	SOIL DESCRIPTION	WATER	TEMPERATURE (F)	REMARKS
0	Surface Water Elev. _____ ft			
0	Stream Bed Elev. _____ ft			
0	Groundwater Elev. _____ ft			
0	First Encounter Upon Completion After _____ ft			
0	Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)			
2				
4				
6				
8				
10				
12				
14				
16				
18				
20				
22				
24				
26				
28				
30				
32				
34				
36				
38				
40				
42				
44				
46				
48				
50				
52				
54				
56				
58				
60				
62				
64				
66				
68				
70				
72				
74				
76				
78				
80				
82				
84				
86				
88				
90				
92				
94				
96				
98				
100				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Value, S-Shear, P-Permeability)  
The SPT (N) values is the sum of the last two blow values in each sampling zone (MSHTD 1285)  
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation  
Division of Highways  
SOIL BORING LOG Page 1 of 1  
Date 7/18/95

ROUTE F.A.I. 90 / I-94 DESCRIPTION Dan Ryan Expressway (I-90-419-80) LOGGED BY RP

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Station

BORING NO. SPS-92 Station 1481+42.25  
Offset 4.384 ft  
Ground Surface Elev. -12.81 ft

DEPTH (ft)	SOIL DESCRIPTION	WATER	TEMPERATURE (F)	REMARKS
0	Surface Water Elev. _____ ft			
0	Stream Bed Elev. _____ ft			
0	Groundwater Elev. _____ ft			
0	First Encounter Upon Completion After _____ ft			
0	Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)			
2				
4				
6				
8				
10				
12				
14				
16				
18				
20				
22				
24				
26				
28				
30				
32				
34				
36				
38				
40				
42				
44				
46				
48				
50				
52				
54				
56				
58				
60				
62				
64				
66				
68				
70				
72				
74				
76				
78				
80				
82				
84				
86				
88				
90				
92				
94				
96				
98				
100				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Value, S-Shear, P-Permeability)  
The SPT (N) values is the sum of the last two blow values in each sampling zone (MSHTD 1285)  
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation  
Division of Highways  
SOIL BORING LOG Page 1 of 1  
Date 7/18/95

ROUTE F.A.I. 90 / I-94 DESCRIPTION Dan Ryan Expressway (I-90-419-80) LOGGED BY RP

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Station

BORING NO. SPS-92 Station 1413+16.92  
Offset 4.384 ft  
Ground Surface Elev. -3.70 ft

DEPTH (ft)	SOIL DESCRIPTION	WATER	TEMPERATURE (F)	REMARKS
0	Surface Water Elev. _____ ft			
0	Stream Bed Elev. _____ ft			
0	Groundwater Elev. _____ ft			
0	First Encounter Upon Completion After _____ ft			
0	Very Stiff to Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)			
2				
4				
6				
8				
10				
12				
14				
16				
18				
20				
22				
24				
26				
28				
30				
32				
34				
36				
38				
40				
42				
44				
46				
48				
50				
52				
54				
56				
58				
60				
62				
64				
66				
68				
70				
72				
74				
76				
78				
80				
82				
84				
86				
88				
90				
92				
94				
96				
98				
100				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Value, S-Shear, P-Permeability)  
The SPT (N) values is the sum of the last two blow values in each sampling zone (MSHTD 1285)  
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation  
Division of Highways  
SOIL BORING LOG Page 1 of 1  
Date 7/18/95

ROUTE F.A.I. 90 / I-94 DESCRIPTION Dan Ryan Expressway (I-90-419-80) LOGGED BY RP

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Station

BORING NO. SPS-92 Station 1413+16.92  
Offset 4.384 ft  
Ground Surface Elev. -3.70 ft

DEPTH (ft)	SOIL DESCRIPTION	WATER	TEMPERATURE (F)	REMARKS
0	Surface Water Elev. _____ ft			
0	Stream Bed Elev. _____ ft			
0	Groundwater Elev. _____ ft			
0	First Encounter Upon Completion After _____ ft			
0	Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)			
2				
4				
6				
8				
10				
12				
14				
16				
18				
20				
22				
24				
26				
28				
30				
32				
34				
36				
38				
40				
42				
44				
46				
48				
50				
52				
54				
56				
58				
60				
62				
64				
66				
68				
70				
72				
74				
76				
78				
80				
82				
84				
86				
88				
90				
92				
94				
96				
98				
100				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Value, S-Shear, P-Permeability)  
The SPT (N) values is the sum of the last two blow values in each sampling zone (MSHTD 1285)  
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation  
Division of Highways  
SOIL BORING LOG Page 1 of 1  
Date 7/18/95

ROUTE F.A.I. 90 / I-94 DESCRIPTION Dan Ryan Expressway (I-90-419-80) LOGGED BY RP

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Station

BORING NO. SPS-92 Station 1415+49.15  
Offset 4.384 ft  
Ground Surface Elev. -1.01 ft

DEPTH (ft)	SOIL DESCRIPTION	WATER	TEMPERATURE (F)	REMARKS
0	Surface Water Elev. _____ ft			
0	Stream Bed Elev. _____ ft			
0	Groundwater Elev. _____ ft			
0	First Encounter Upon Completion After _____ ft			
0	Very Stiff to Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)			
2				
4				
6				
8				
10				
12				
14				
16				
18				
20				
22				
24				
26				
28				
30				
32				
34				
36				
38				
40				
42				
44				
46				
48				
50				
52				
54				
56				
58				
60				
62				
64				
66				
68				
70				
72				
74				
76				
78				
80				
82				
84				
86				
88				
90				
92				
94				
96				
98				
100				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Value, S-Shear, P-Permeability)  
The SPT (N) values is the sum of the last two blow values in each sampling zone (MSHTD 1285)  
BBS, from 137 (Rev. 8-99)

ADDED SHEET SB-01

CTE | AECOM

REVISIONS	NAME	DATE
ADDENDUM #2		9-15-05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
71ST STREET TO 31ST STREET (SB EXPRESS LANES)

SOIL BORING LOGS

SCALE: NONE DRAWN BY: PHP  
DATE: September 16, 2005 CHECKED BY: JAL

Illinois Department of Transportation  
SOIL BORING LOG  
Page 1 of 1  
Date 7/9/95

ROUTE FALL 94 / 1-94 DESCRIPTION Dan Ryan Expressway (I-91-419-80) LOGGED BY RP

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

DEPTH (ft)	DESCRIPTION	SOIL TYPE	WATER ELEV. (ft)	REMARKS
0.0	Asphalt, 18"			
0.0	Concrete, 11"			
0.0	Sub Base			
0.0	Very Stiff to Hard Gray SILTY CLAY LOAM			
0.0	Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM			
0.0	Auger Refusal at 14 feet			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Parabola)  
The SPT (N) value is the sum of the last two blow values in each sampling zone (ASTM D 1586) BSS, from 137 (Rev. 8-99)

Illinois Department of Transportation  
SOIL BORING LOG  
Page 1 of 1  
Date 7/11/95

ROUTE FALL 94 / 1-94 DESCRIPTION Dan Ryan Expressway (I-91-419-80) LOGGED BY RP

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

DEPTH (ft)	DESCRIPTION	SOIL TYPE	WATER ELEV. (ft)	REMARKS
0.0	Asphalt, 5"			
0.0	Concrete, 11"			
0.0	Sub Base			
0.0	Very Stiff to Hard Gray SILTY CLAY LOAM			
0.0	Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM			
0.0	Auger Refusal at 20 feet			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Parabola)  
The SPT (N) value is the sum of the last two blow values in each sampling zone (ASTM D 1586) BSS, from 137 (Rev. 8-99)

Illinois Department of Transportation  
SOIL BORING LOG  
Page 1 of 1  
Date 7/11/95

ROUTE FALL 94 / 1-94 DESCRIPTION Dan Ryan Expressway (I-91-419-80) LOGGED BY RP

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

DEPTH (ft)	DESCRIPTION	SOIL TYPE	WATER ELEV. (ft)	REMARKS
0.0	Asphalt, 2.5"			
0.0	Concrete, 18"			
0.0	Sub Base			
0.0	Very Stiff to Hard Gray SILTY CLAY LOAM			
0.0	Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM			
0.0	Auger Refusal at 20 feet			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Parabola)  
The SPT (N) value is the sum of the last two blow values in each sampling zone (ASTM D 1586) BSS, from 137 (Rev. 8-99)

Illinois Department of Transportation  
SOIL BORING LOG  
Page 1 of 1  
Date 7/9/95

ROUTE FALL 94 / 1-94 DESCRIPTION Dan Ryan Expressway (I-91-419-80) LOGGED BY RP

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

DEPTH (ft)	DESCRIPTION	SOIL TYPE	WATER ELEV. (ft)	REMARKS
0.0	Asphalt, 18"			
0.0	Concrete, 11"			
0.0	Sub Base			
0.0	Very Loose to Loose Gray SILT			
0.0	Very Stiff Gray CLAY			
0.0	Stiff to Very Stiff Gray SILTY CLAY LOAM			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Parabola)  
The SPT (N) value is the sum of the last two blow values in each sampling zone (ASTM D 1586) BSS, from 137 (Rev. 8-99)

Illinois Department of Transportation  
SOIL BORING LOG  
Page 1 of 1  
Date 7/9/95

ROUTE FALL 94 / 1-94 DESCRIPTION Dan Ryan Expressway (I-91-419-80) LOGGED BY RP

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

DEPTH (ft)	DESCRIPTION	SOIL TYPE	WATER ELEV. (ft)	REMARKS
0.0	Asphalt, 18"			
0.0	Concrete, 11"			
0.0	Sub Base and Sand (SAND)			
0.0	Loose to Medium Dense Brown to Gray Coarse to Fine SAND			
0.0	Very Stiff Gray SILTY CLAY LOAM			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Parabola)  
The SPT (N) value is the sum of the last two blow values in each sampling zone (ASTM D 1586) BSS, from 137 (Rev. 8-99)

Illinois Department of Transportation  
SOIL BORING LOG  
Page 1 of 1  
Date 9/24/95

ROUTE FALL 94 / 1-94 DESCRIPTION Dan Ryan Expressway (I-91-419-80) LOGGED BY RP

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

DEPTH (ft)	DESCRIPTION	SOIL TYPE	WATER ELEV. (ft)	REMARKS
0.0	Asphalt, 3"			
0.0	Concrete, 14"			
0.0	Sub Base and Sand (SAND)			
0.0	Medium Dense to Dense Brown to Gray Coarse to Fine SAND			
0.0	Very Loose to Medium Dense Gray SILT			
0.0	Stiff to Very Stiff Gray SILTY CLAY LOAM			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Parabola)  
The SPT (N) value is the sum of the last two blow values in each sampling zone (ASTM D 1586) BSS, from 137 (Rev. 8-99)

ADDENDUM #2

CTE | AECOM

REVISIONS	NAME	DATE
1	ADDENDUM #2	9-16-95

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
71ST STREET TO 31ST STREET (SB EXPRESS LANES)

SCALE: NONE  
DATE: September 16, 2005

DRAWN BY: PHP  
CHECKED BY: JAL



SOIL BORING LOG

Page 1 of 1 Date 6/24/05

Table with columns for SOIL BORING LOG, including ROUTE, SECTION, LOCATION, COUNTY, DRILLING METHOD, and SOIL STRATIGRAPHY data.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by @-Bulge, S-Shear, P-Penetrometer. The SPT (N) value is the sum of the last two blow values in each sampling zone (MSD10 T286) BBS, Form 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 1 Date 6/24/05

Table with columns for SOIL BORING LOG, including ROUTE, SECTION, LOCATION, COUNTY, DRILLING METHOD, and SOIL STRATIGRAPHY data.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by @-Bulge, S-Shear, P-Penetrometer. The SPT (N) value is the sum of the last two blow values in each sampling zone (MSD10 T286) BBS, Form 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 1 Date 6/24/05

Table with columns for SOIL BORING LOG, including ROUTE, SECTION, LOCATION, COUNTY, DRILLING METHOD, and SOIL STRATIGRAPHY data.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by @-Bulge, S-Shear, P-Penetrometer. The SPT (N) value is the sum of the last two blow values in each sampling zone (MSD10 T286) BBS, Form 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 1 Date 6/23/05

Table with columns for SOIL BORING LOG, including ROUTE, SECTION, LOCATION, COUNTY, DRILLING METHOD, and SOIL STRATIGRAPHY data.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by @-Bulge, S-Shear, P-Penetrometer. The SPT (N) value is the sum of the last two blow values in each sampling zone (MSD10 T286) BBS, Form 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 1 Date 6/23/05

Table with columns for SOIL BORING LOG, including ROUTE, SECTION, LOCATION, COUNTY, DRILLING METHOD, and SOIL STRATIGRAPHY data.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by @-Bulge, S-Shear, P-Penetrometer. The SPT (N) value is the sum of the last two blow values in each sampling zone (MSD10 T286) BBS, Form 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 1 Date 6/23/05

Table with columns for SOIL BORING LOG, including ROUTE, SECTION, LOCATION, COUNTY, DRILLING METHOD, and SOIL STRATIGRAPHY data.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by @-Bulge, S-Shear, P-Penetrometer. The SPT (N) value is the sum of the last two blow values in each sampling zone (MSD10 T286) BBS, Form 137 (Rev. 8-99)

Table with columns: F.A.I. INTL., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., STA., TO STA., FED. ROAD DIST. NO., ILLINOIS FED. AID PROJECT, 62302

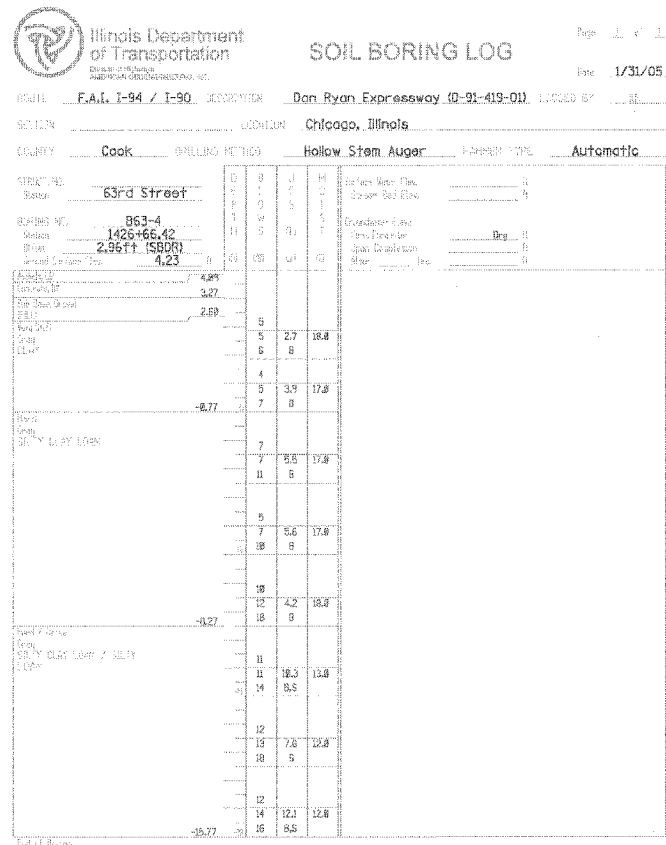
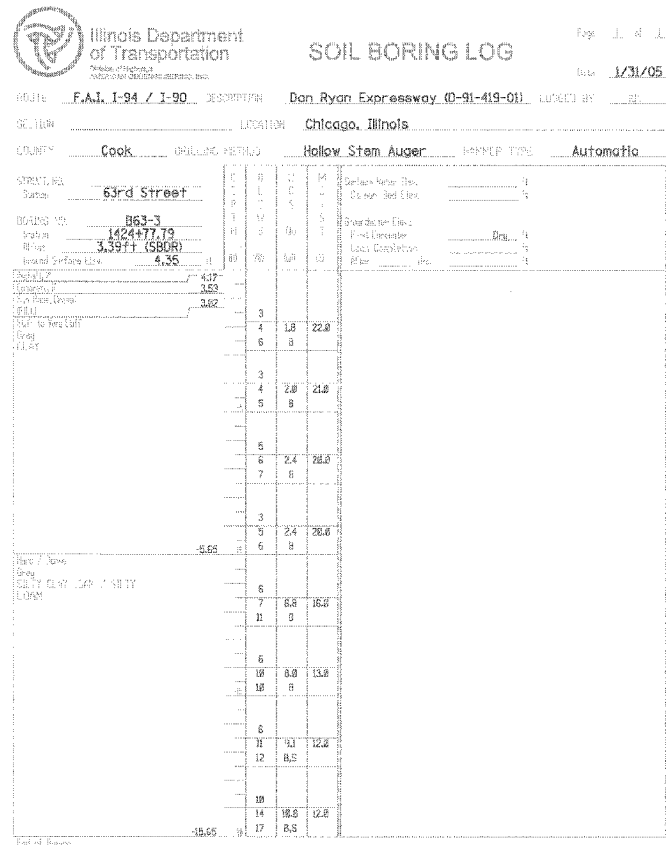
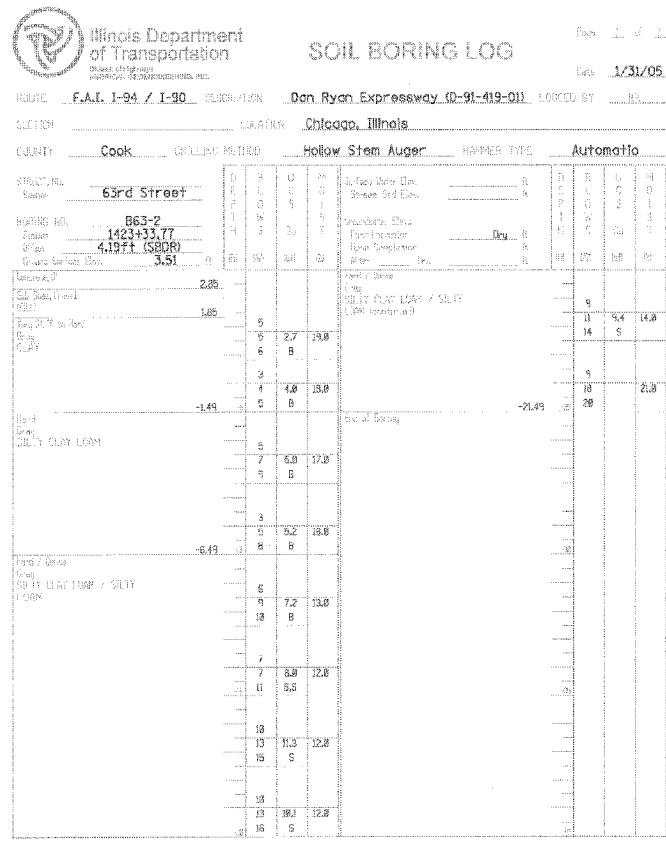
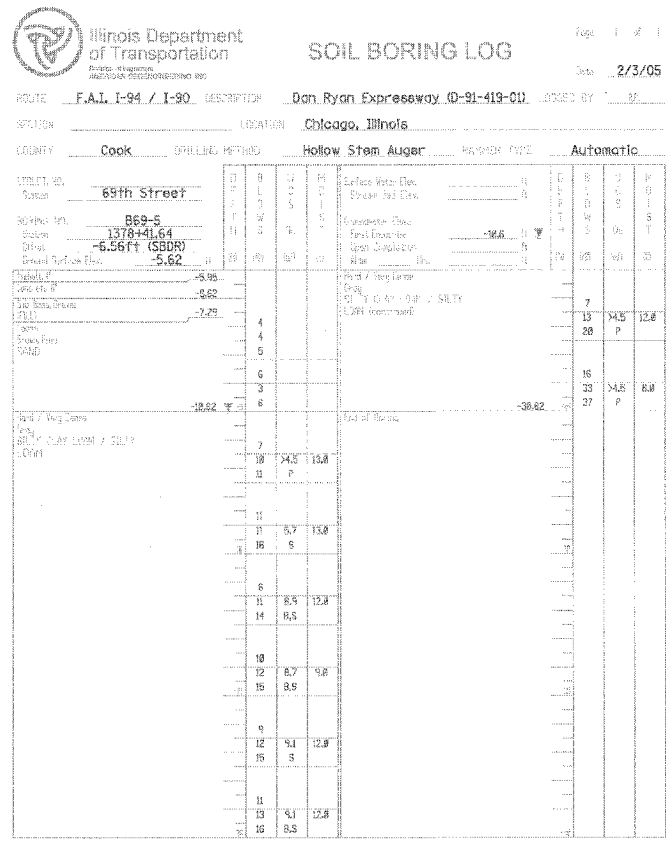
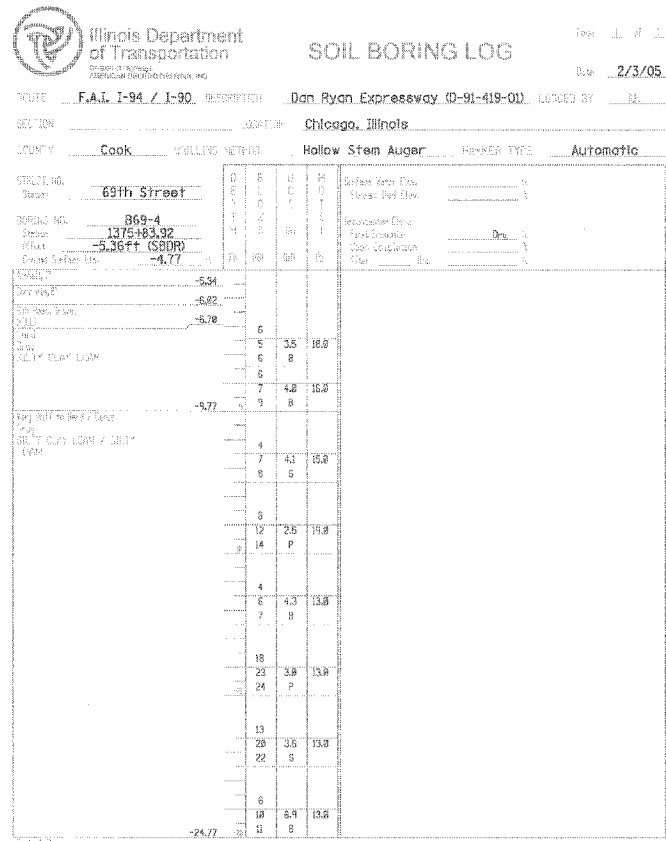
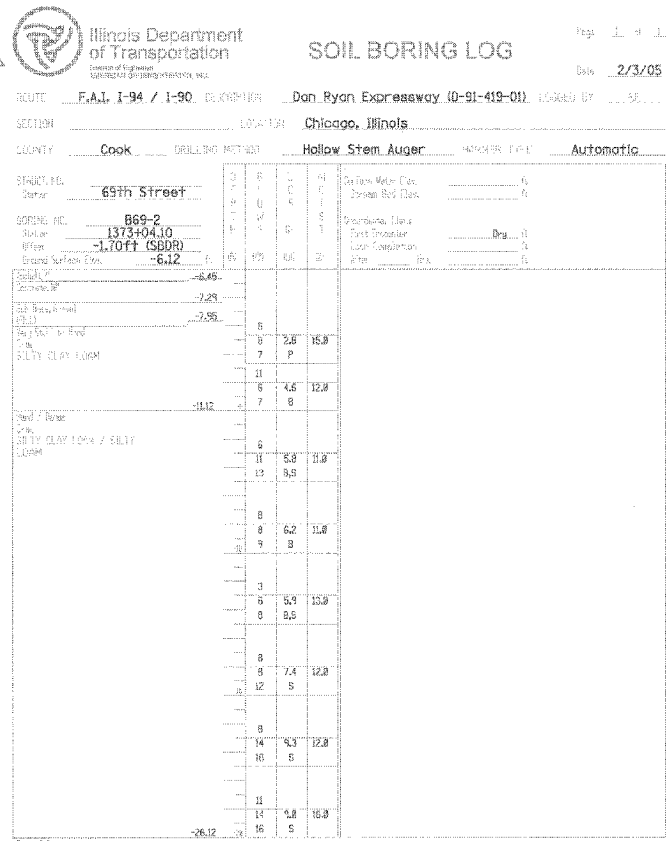
CTE | AECOM logo, REVISIONS table, and project information: ILLINOIS DEPARTMENT OF TRANSPORTATION, F.A.I. 90/94 (DAN RYAN EXPRESSWAY), 71ST STREET TO 31ST STREET (SB EXPRESS LANES), SOIL BORING LOGS, SCALE: NONE, DATE: September 16, 2005, DRAWN BY: PHP, CHECKED BY: JAL







F.A.I. RITE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	598	4240
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
* (B18, ETC. 2324.6-1PR-9		62302		



ADD'D SHEET SB-06

**CTE | AECOM**

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
71ST STREET TO 31ST STREET (SB EXPRESS LANES)

**SOIL BORING LOGS**

SCALE: NONE DRAWN BY: LAM  
DATE: September 16, 2005 CHECKED BY: JAL

REVISIONS	
NAME	DATE
ADDENDUM #2	9-16-05

F:\9094\9401\SOIL BORING LOGS\SB-06.DWG

2

**Illinois Department of Transportation**  
**SOIL BORING LOG**  
 Date: 1/31/05

ROUTE: F.A.I. I-94 / I-90 DESCRIPTION: Dan Ryan Expressway (I-91-419-01) LOGGED BY: JL

SECTION: LOCATION: Chicago, Illinois

COUNTY: Cook DRILLING METHOD: Hollow Stem Auger HAMMER TYPE: Automatic

STRUCT. NO.: 63rd Street

BORING NO.: B55-6  
 Station: 1428+44.08  
 Offset: 3.12ft (SBOR)  
 Ground Surface Elev.: 5.43

DEPTH (ft)	SOIL TYPE	REMARKS
0	Surface	Surface
0.5	CLAY	
1.0	CLAY	
1.5	CLAY	
2.0	CLAY	
2.5	CLAY	
3.0	CLAY	
3.5	CLAY	
4.0	CLAY	
4.5	CLAY	
5.0	CLAY	
5.5	CLAY	
6.0	CLAY	
6.5	CLAY	
7.0	CLAY	
7.5	CLAY	
8.0	CLAY	
8.5	CLAY	
9.0	CLAY	
9.5	CLAY	
10.0	CLAY	
10.5	CLAY	
11.0	CLAY	
11.5	CLAY	
12.0	CLAY	
12.5	CLAY	
13.0	CLAY	
13.5	CLAY	
14.0	CLAY	
14.5	CLAY	
15.0	CLAY	

**Illinois Department of Transportation**  
**SOIL BORING LOG**  
 Date: 1/14/05

ROUTE: F.A.I. I-94 / I-90 DESCRIPTION: Dan Ryan Expressway (I-91-419-01) LOGGED BY: JL

SECTION: LOCATION: Chicago, Illinois

COUNTY: Cook DRILLING METHOD: Hollow Stem Auger HAMMER TYPE: Automatic

STRUCT. NO.: 55th Street

BORING NO.: B55-1  
 Station: 1475+12.13  
 Offset: 3.64ft (SBOR)  
 Ground Surface Elev.: -0.02

DEPTH (ft)	SOIL TYPE	REMARKS
0	Surface	Surface
0.5	CLAY	
1.0	CLAY	
1.5	CLAY	
2.0	CLAY	
2.5	CLAY	
3.0	CLAY	
3.5	CLAY	
4.0	CLAY	
4.5	CLAY	
5.0	CLAY	
5.5	CLAY	
6.0	CLAY	
6.5	CLAY	
7.0	CLAY	
7.5	CLAY	
8.0	CLAY	
8.5	CLAY	
9.0	CLAY	
9.5	CLAY	
10.0	CLAY	
10.5	CLAY	
11.0	CLAY	
11.5	CLAY	
12.0	CLAY	
12.5	CLAY	
13.0	CLAY	
13.5	CLAY	
14.0	CLAY	
14.5	CLAY	
15.0	CLAY	

**Illinois Department of Transportation**  
**SOIL BORING LOG**  
 Date: 1/14/05

ROUTE: F.A.I. I-94 / I-90 DESCRIPTION: Dan Ryan Expressway (I-91-419-01) LOGGED BY: JL

SECTION: LOCATION: Chicago, Illinois

COUNTY: Cook DRILLING METHOD: Hollow Stem Auger HAMMER TYPE: Automatic

STRUCT. NO.: 55th Street

BORING NO.: B55-3  
 Station: 1477+49.85  
 Offset: 0.31ft (SBOR)  
 Ground Surface Elev.: 2.39

DEPTH (ft)	SOIL TYPE	REMARKS
0	Surface	Surface
0.5	CLAY	
1.0	CLAY	
1.5	CLAY	
2.0	CLAY	
2.5	CLAY	
3.0	CLAY	
3.5	CLAY	
4.0	CLAY	
4.5	CLAY	
5.0	CLAY	
5.5	CLAY	
6.0	CLAY	
6.5	CLAY	
7.0	CLAY	
7.5	CLAY	
8.0	CLAY	
8.5	CLAY	
9.0	CLAY	
9.5	CLAY	
10.0	CLAY	
10.5	CLAY	
11.0	CLAY	
11.5	CLAY	
12.0	CLAY	
12.5	CLAY	
13.0	CLAY	
13.5	CLAY	
14.0	CLAY	
14.5	CLAY	
15.0	CLAY	

**Illinois Department of Transportation**  
**SOIL BORING LOG**  
 Date: 1/14/05

ROUTE: F.A.I. I-94 / I-90 DESCRIPTION: Dan Ryan Expressway (I-91-419-01) LOGGED BY: JL

SECTION: LOCATION: Chicago, Illinois

COUNTY: Cook DRILLING METHOD: Hollow Stem Auger HAMMER TYPE: Automatic

STRUCT. NO.: 55th Street

BORING NO.: B55-5  
 Station: 1481+45.07  
 Offset: 1.99ft (SBOR)  
 Ground Surface Elev.: 6.05

DEPTH (ft)	SOIL TYPE	REMARKS
0	Surface	Surface
0.5	CLAY	
1.0	CLAY	
1.5	CLAY	
2.0	CLAY	
2.5	CLAY	
3.0	CLAY	
3.5	CLAY	
4.0	CLAY	
4.5	CLAY	
5.0	CLAY	
5.5	CLAY	
6.0	CLAY	
6.5	CLAY	
7.0	CLAY	
7.5	CLAY	
8.0	CLAY	
8.5	CLAY	
9.0	CLAY	
9.5	CLAY	
10.0	CLAY	
10.5	CLAY	
11.0	CLAY	
11.5	CLAY	
12.0	CLAY	
12.5	CLAY	
13.0	CLAY	
13.5	CLAY	
14.0	CLAY	
14.5	CLAY	
15.0	CLAY	

**Illinois Department of Transportation**  
**SOIL BORING LOG**  
 Date: 1/13/05

ROUTE: F.A.I. I-94 / I-90 DESCRIPTION: Dan Ryan Expressway (I-91-419-01) LOGGED BY: JL

SECTION: LOCATION: Chicago, Illinois

COUNTY: Cook DRILLING METHOD: Hollow Stem Auger HAMMER TYPE: Automatic

STRUCT. NO.: 47th Street

BORING NO.: B47-2  
 Station: 1529+81.00  
 Offset: 3.33ft (SBOR)  
 Ground Surface Elev.: -2.84

DEPTH (ft)	SOIL TYPE	REMARKS
0	Surface	Surface
0.5	CLAY	
1.0	CLAY	
1.5	CLAY	
2.0	CLAY	
2.5	CLAY	
3.0	CLAY	
3.5	CLAY	
4.0	CLAY	
4.5	CLAY	
5.0	CLAY	
5.5	CLAY	
6.0	CLAY	
6.5	CLAY	
7.0	CLAY	
7.5	CLAY	
8.0	CLAY	
8.5	CLAY	
9.0	CLAY	
9.5	CLAY	
10.0	CLAY	
10.5	CLAY	
11.0	CLAY	
11.5	CLAY	
12.0	CLAY	
12.5	CLAY	
13.0	CLAY	
13.5	CLAY	
14.0	CLAY	
14.5	CLAY	
15.0	CLAY	

**Illinois Department of Transportation**  
**SOIL BORING LOG**  
 Date: 1/13/05

ROUTE: F.A.I. I-94 / I-90 DESCRIPTION: Dan Ryan Expressway (I-91-419-01) LOGGED BY: JL

SECTION: LOCATION: Chicago, Illinois

COUNTY: Cook DRILLING METHOD: Hollow Stem Auger HAMMER TYPE: Automatic

STRUCT. NO.: 47th Street

BORING NO.: B47-4  
 Station: 1531+94.21  
 Offset: 3.49ft (SBOR)  
 Ground Surface Elev.: -1.19

DEPTH (ft)	SOIL TYPE	REMARKS
0	Surface	Surface
0.5	CLAY	
1.0	CLAY	
1.5	CLAY	
2.0	CLAY	
2.5	CLAY	
3.0	CLAY	
3.5	CLAY	
4.0	CLAY	
4.5	CLAY	
5.0	CLAY	
5.5	CLAY	
6.0	CLAY	
6.5	CLAY	
7.0	CLAY	
7.5	CLAY	
8.0	CLAY	
8.5	CLAY	
9.0	CLAY	
9.5	CLAY	
10.0	CLAY	
10.5	CLAY	
11.0	CLAY	
11.5	CLAY	
12.0	CLAY	
12.5	CLAY	
13.0	CLAY	
13.5	CLAY	
14.0	CLAY	
14.5	CLAY	
15.0	CLAY	

ADDED SHEET SB-07

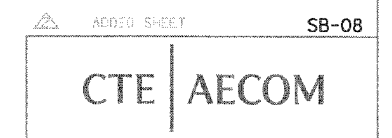
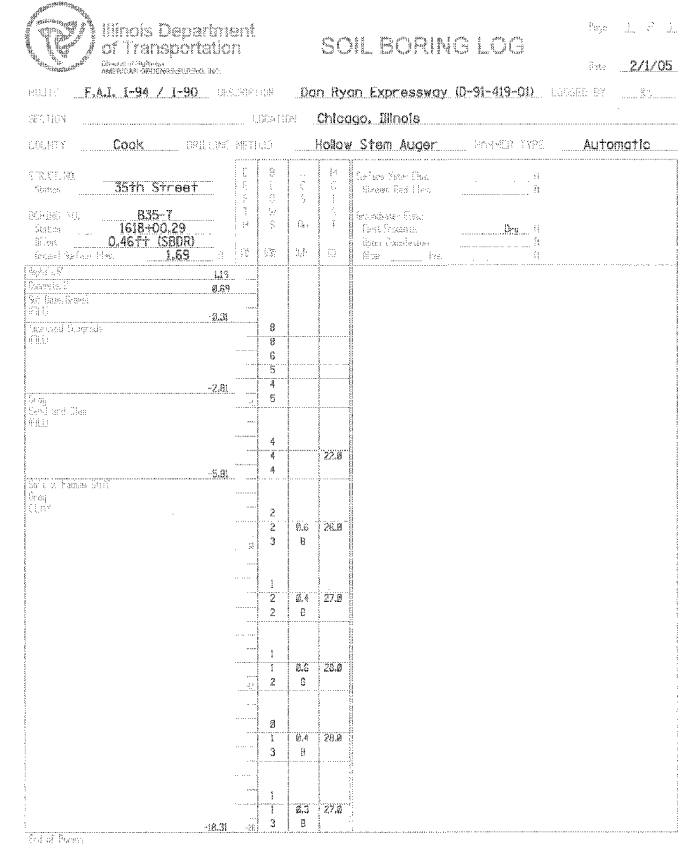
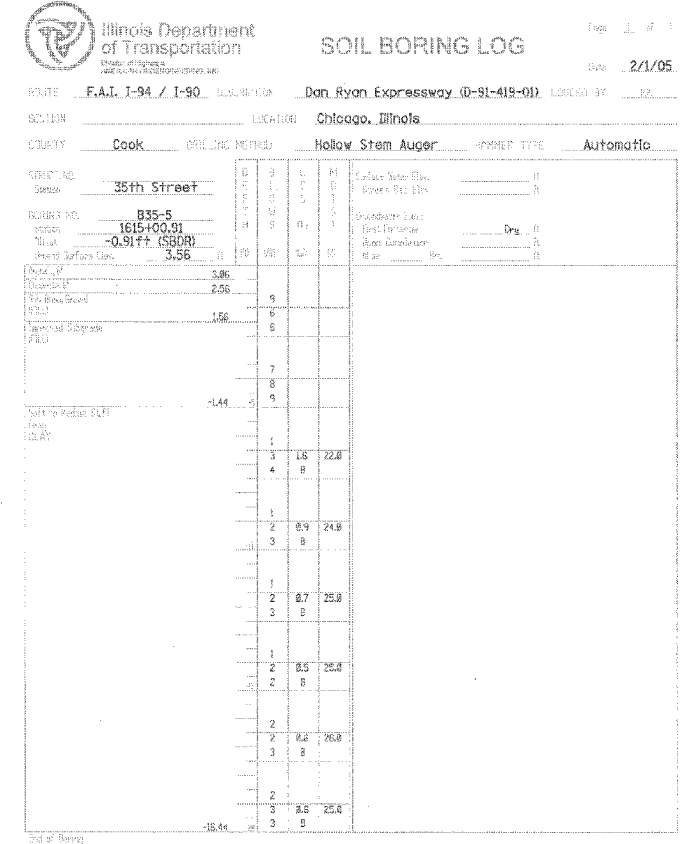
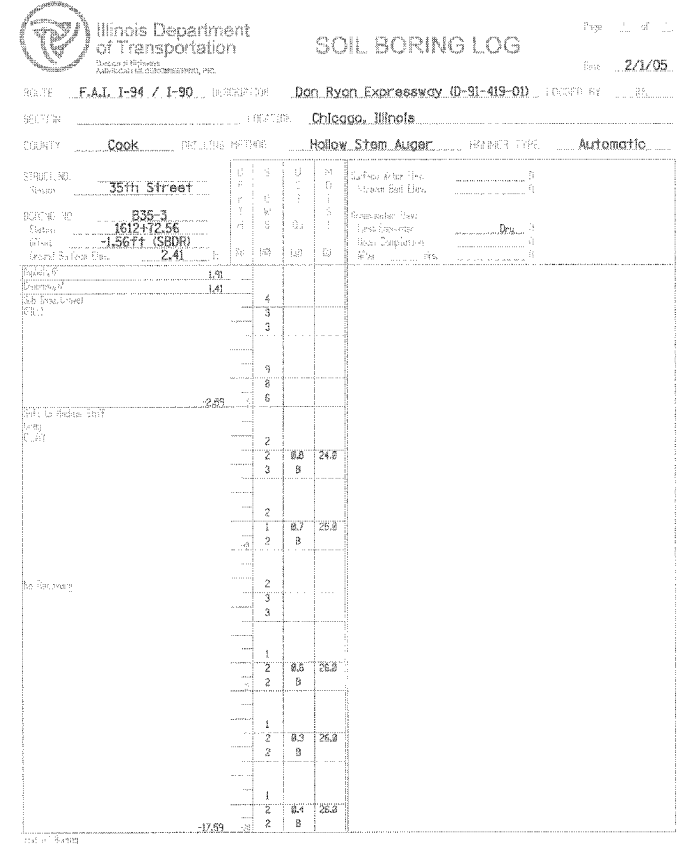
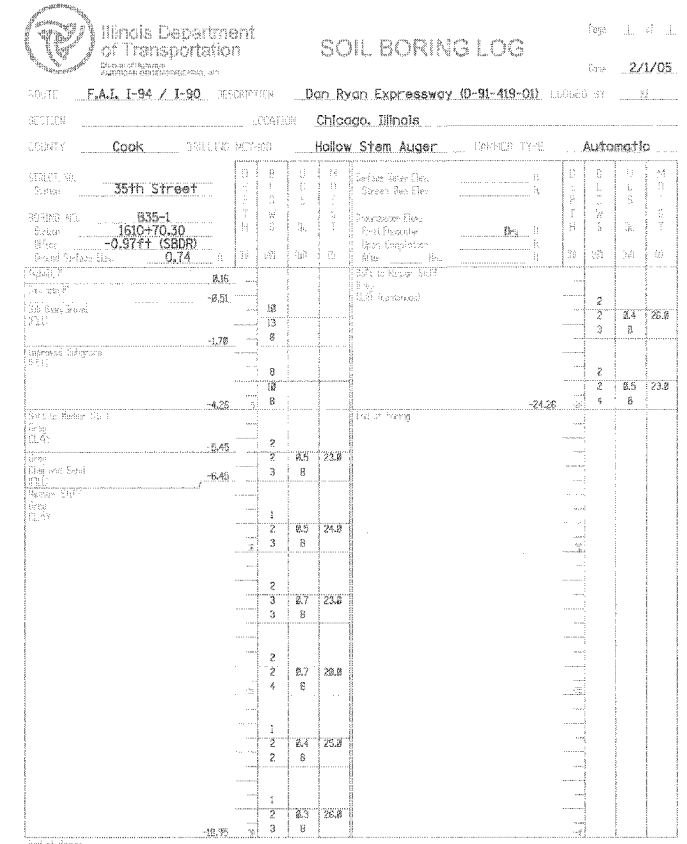
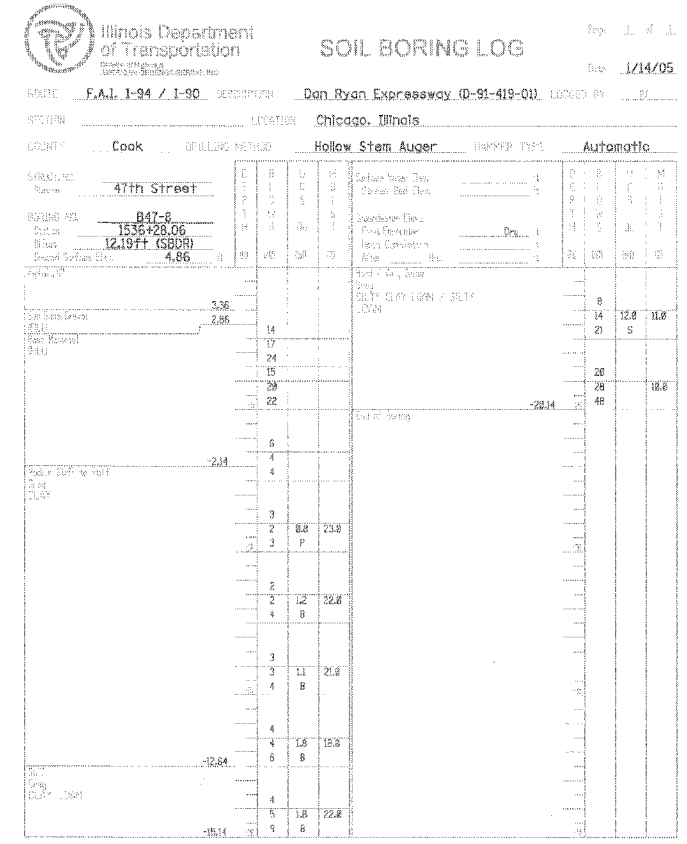
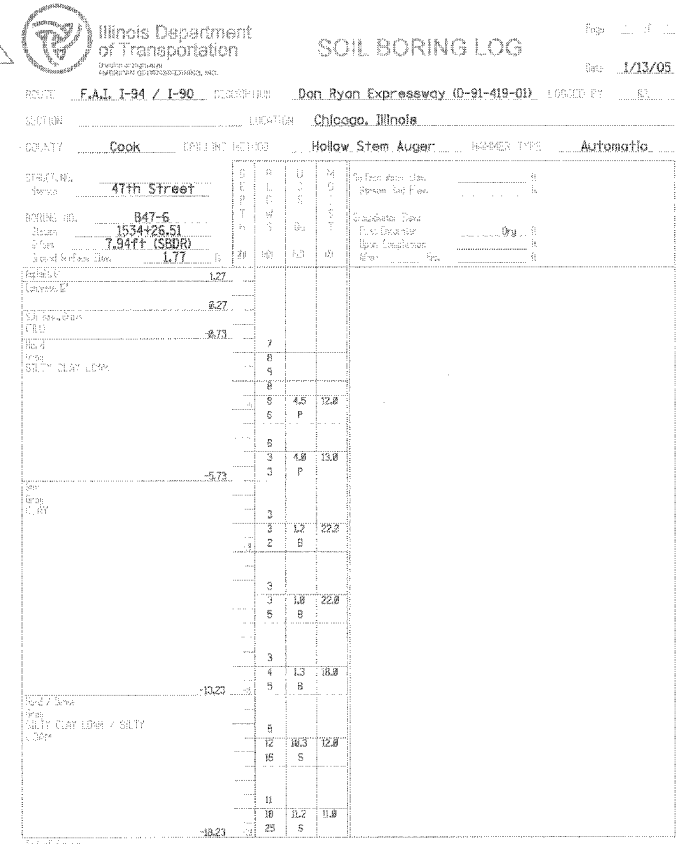


REVISIONS	NAME	DATE
ADDENDUM #2		9-16-05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
 71ST STREET TO 31ST STREET (SB EXPRESS LANES)

**SOIL BORING LOGS**

SCALE: NONE DRAWN BY: LAM  
 DATE: September 16, 2005 CHECKED BY: JAL



REVISIONS	
NAME	DATE
ADDENDUM #2	9-16-05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
 71ST STREET TO 31ST STREET (SB EXPRESS LANES)

**SOIL BORING LOGS**

SCALE: NONE  
 DATE: September 16, 2005  
 DRAWN BY: LAM  
 CHECKED BY: JAL

End of Boring  
 The Standard Penetration Test (SPT) Blow Count is indicated by the 'N' value in the 'SPT' column.  
 The SPT 'N' value is the sum of the last two blow counts in each sampling run (SPT) 'N'.

End of Boring  
 The Standard Penetration Test (SPT) Blow Count is indicated by the 'N' value in the 'SPT' column.  
 The SPT 'N' value is the sum of the last two blow counts in each sampling run (SPT) 'N'.

End of Boring  
 The Standard Penetration Test (SPT) Blow Count is indicated by the 'N' value in the 'SPT' column.  
 The SPT 'N' value is the sum of the last two blow counts in each sampling run (SPT) 'N'.

9/16/2005 12:50:48 PM