

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	1

• (1012, 1214, 1415, & 1517) RS-3

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

F.A.I. ROUTE: 90 (KENNEDY EXPRESSWAY)  
SECTION: (1012, 1214, 1415 & 1517) RS-3  
EAST RIVER ROAD TO EDENS EXPRESSWAY  
RESURFACING (MAINTENANCE)  
COUNTY: COOK  
C-91-208-04

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED  
IN THE CITY OF CHICAGO

**TRAFFIC DATA**

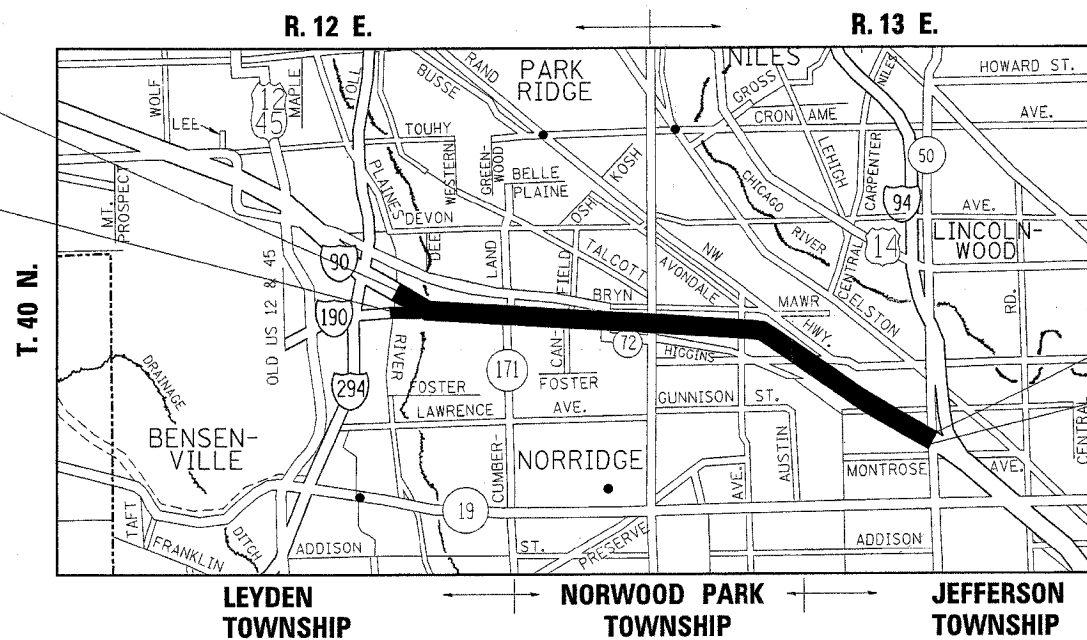
2002 ADT = 220,900

POSTED SPEED LIMIT = 55 MPH



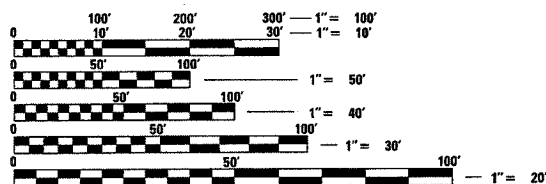
IMPROVEMENT BEGINS  
WESTBOUND STATION 3341+21

IMPROVEMENT BEGINS  
EASTBOUND STATION 3341+21



IMPROVEMENT ENDS  
WESTBOUND STATION 3645+80

IMPROVEMENT ENDS  
EASTBOUND STATION 3646+77



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

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

CONTRACT NO. 62746

GROSS AND NET LENGTH OF IMPROVEMENT (WESTBOUND) = 30,495 LIN FT = 5.77 MILES  
GROSS AND NET LENGTH OF IMPROVEMENT (EASTBOUND) = 30,556 LIN FT = 5.79 MILES

MAP SCALE 0 1 2 MILES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED April 14, 2005  
Dina O'Keefe  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 13, 2005  
Mike Hine  
ENGINEER OF DESIGN AND ENVIRONMENT

May 13, 2005  
Victor Madere  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

DISTRICT 1 DESIGN PLAN PREPARATION ENGINEER: KEN ENGRAJENDRA SHAH (847) 705-4437

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	2
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
• (1012, 1214, 1415, & 1517) RS-3				

62746

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**STANDARDS**

**NOTES**

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STATE STANDARDS	DESCRIPTION
000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
420001-05	PAVEMENT JOINTS
442201-01	CLASS C AND D PATCHES
604001-02	FRAME AND LIDS, TYPE 1
604036-01	GRATE, TYPE 8
604071-02	FRAME AND GRATE, TYPE 20
606001-02	CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
606006	OUTLET FOR CONCRETE CURB AND GUTTER, TYPE B-6.24
630001-05	STEEL PLATE BEAM GUARDRAIL
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
642001	SHOULDER RUMBLE STRIPS
701101-01	OFF-ROAD OPERATIONS, MULTILANE LESS THAN 4.5m (15') AWAY FOR SPEED ≥ 45 MPH
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-03	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-03	LANE CLOSURE, MULTILANE AT ENTRANCE OR EXIT RAMP FOR SPEEDS ≥ 45 MPH
701422-01	LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701446	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
702001-05	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

**GENERAL NOTES**

10' TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS 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.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR "CUAN" (CHICAGO UTILITY ALERT NETWORK), 312-744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE CITY OF CHICAGO AND OTHER LOCAL INVOLVED COMMUNITIES.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND BITUMINOUS TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

STRIP REFLECTIVE CRACK CONTROL TREATMENT SHALL BE INSTALLED IMMEDIATELY IN FRONT OF THE BITUMINOUS SURFACING OPERATION IN SUCH A MANNER SO THAT TRAFFIC WILL NOT DISTURB IT PRIOR TO BEING COVERED BY BITUMINOUS SURFACING. ANY CRACK TREATMENT DISTURBED BY TRAFFIC WILL BE REPLACED AT THE CONTRACTORS EXPENSE.

THE CONTRACTOR WILL BE REQUIRED TO CUT 4 FOOT LONG TRENCHES IN THE SHOULDER ADJACENT TO EXISTING DRAINAGE STRUCTURES TO FACILITATE MAINLINE DRAINAGE WHEN THE MAINLINE SURFACE HAS BEEN REMOVED. THE TRENCH SHALL BE CUT LEVEL FROM THE OUTSIDE EDGE OF PAVEMENT AND SHALL BE TAPERED 2 FOOT AT EITHER END OF THE TRENCH TO MEET EXISTING SHOULDER ELEVATION. THIS WORK SHALL BE PAID PER SQUARE YARD FOR BITUMINOUS SURFACE REMOVAL, 4". THESE SHALL BE INSTALLED AT ALL SAG AREAS AND AT MINIMUM SPACING OF 1000 FOOT CENTERS.

THE CONTRACTOR MUST PROPERLY MARK AND RECORD THE EXACT LOCATION OF EACH TRAFFIC SYSTEMS CENTER DETECTOR LOOPS COREHOLE PRIOR TO RESURFACING SO THAT THE COREHOLE CAN BE EASILY FOUND WHEN CUTTING THE DETECTOR LOOPS.

PRIOR TO THE CONTRACTOR DIGGING OR EXCAVATING NEAR TRAFFIC SYSTEMS CENTER LOOPS, CABINETS AND TYPE C SERVICE INSTALLATIONS, THE CONTRACTOR MUST CALL THE ELECTRICAL MAINTENANCE CONTRACTOR (CONTRACTING AND MATERIALS AT 773-287-7600) FOR FIELD LAYOUT OF EXISTING FACILITIES.

ALL DRAINAGE STRUCTURES CLEANED AS PART OF THE CONTRACT MUST BE CLEAN AT THE COMPLETION OF THE CONTRACT.

THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC ENGINEER, AT (770) 685-8386, A MINIMUM OF (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

THE UNIT WEIGHT (CONVERSION FACTOR) QUOTED IS FOR ESTIMATING PLAN QUANTITIES ONLY. ACTUAL QUANTITIES NECESSARY TO FULFILL CONTRACT REQUIREMENTS WILL BE DETERMINED BASED ON UNIT WEIGHT OF APPROVED MIX DESIGN, PLAN DIMENSIONS AND DENSITY LIMITATIONS. MAXIMUM PAYMENT WILL BE COMPUTED BASED ON WEIGHTED AVERAGE DENSITIES OF THE IN-PLACE MIXTURE.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1-1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS OVER 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPES A MINIMUM OF 1:3 (V:H).

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 90 KENNEDY EXPRESSWAY INDEX OF SHEETS LIST OF STATE STANDARDS PLAN NOTES
NAME	DATE	
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	3
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	
■ (1012, 1214, 1415, & 1517) RS-3				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 100% STATE I000				
X0324685	TEST STRIP (STONE MATRIX ASPHALT)	EACH	2	2				
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	176	176				
40600300	AGGREGATE (PRIME COAT)	TON	880	880				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	99	99				
40600895	CONSTRUCTING TEST STRIP	EACH	2	2				
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	617	617				
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	67	67				
40601000	BITUMINOUS REPLACEMENT OVER PATCHES	TON	1000	1000				
42001300	PROTECTIVE COAT	SQ YD	3420	3420				
44000007	BITUMINOUS SURFACE REMOVAL 2"	SQ YD	132373	132373				
44000011	BITUMINOUS SURFACE REMOVAL 4"	SQ YD	267310	267310				
44000119	BITUMINOUS REMOVAL OVER PATCHES 4 3/4"	SQ YD	3760	3760				
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	10250	10250				
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	60	60				
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	3200	3200				
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	200	200				
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	300	300				
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	79900	79900				
55039700	STORM SEWERS TO BE CLEANED	FOOT	21555	21555				
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1				
60260100	INLETS TO BE ADJUSTED	EACH	10	10				
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	205	205				
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	348	348				
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	40	40				
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	110	110				
63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	13	13				
63200310	GUARDRAIL REMOVAL	FOOT	650	650				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 100% STATE I000				
67100100	MOBILIZATION	L SUM	1	1				
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1				
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	219	219				
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	131871	131871				
70300530	PAVEMENT MARKING TAPE, TYPE III 5"	FOOT	31902	31902				
70300550	PAVEMENT MARKING TAPE, TYPE III 8"	FOOT	37306	37306				
70300560	PAVEMENT MARKING TAPE, TYPE III 12"	FOOT	4836	4836				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	24955	24955				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	110	110				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	131871	131871				
* 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	31902	31902				
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	41418	41418				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	6629	6629				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	158	158				
78003120	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 5"	FOOT	31902	31902				
78003140	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 8"	FOOT	466	466				
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	62726	62726				
* 78005120	EPOXY PAVEMENT MARKING - LINE 5"	FOOT	31902	31902				
* 78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	41418	41418				
* 78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	6629	6629				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	3226	3226				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	3226	3226				
* 81016400	CONDUIT IN TRENCH, 1 1/4" DIA., HIGH DENSITY POLYETHYLENE, COILABLE	FOOT	100	100				
* 81016600	CONDUIT IN TRENCH, 2" DIA., HIGH DENSITY POLYETHYLENE, COILABLE	FOOT	100	100				

\* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
SUMMARY OF QUANTITIES  
KENNEDY EXPRESSWAY

Rev.

PLOT DATE: 4/28/2005

62746

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	4
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	
■ (1012, 1214, 1415, & 1517) RS-3				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 100% STATE I000				
* 81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	100	100				
* X0322300	ELECTRIC CABLE IN CONDUIT NO. 18 4/C, TWISTED, SHIELDED	FOOT	600	600				
X0322729	MATERIAL TRANSFER DEVICE	TON	63086	63086				
X4063900	STONE MATRIX ASPHALT, BINDER COURSE	TON	29939	29939				
X4064000	STONE MATRIX ASPHALT, SURFACE COURSE	TON	33147	33147				
X4066426	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	TON	18209	18209				
X4067100	POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50	TON	1692	1692				
X4409410	BITUMINOUS SURFACE REMOVAL 2 1/4"	SQ YD	40274	40274				
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1				
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	50	50				
* X7015000	CHANGEABLE MESSAGE SIGN	CAL MO	9	9				
* X8850102	INDUCTION LOOP	FOOT	1292	1292				
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	1107	1107				
Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	15	15				
Z0042200	PORTLAND CEMENT CONCRETE PAVEMENT SURFACE REMOVAL	SQ YD	911	911				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT						

\* SPECIALTY ITEMS

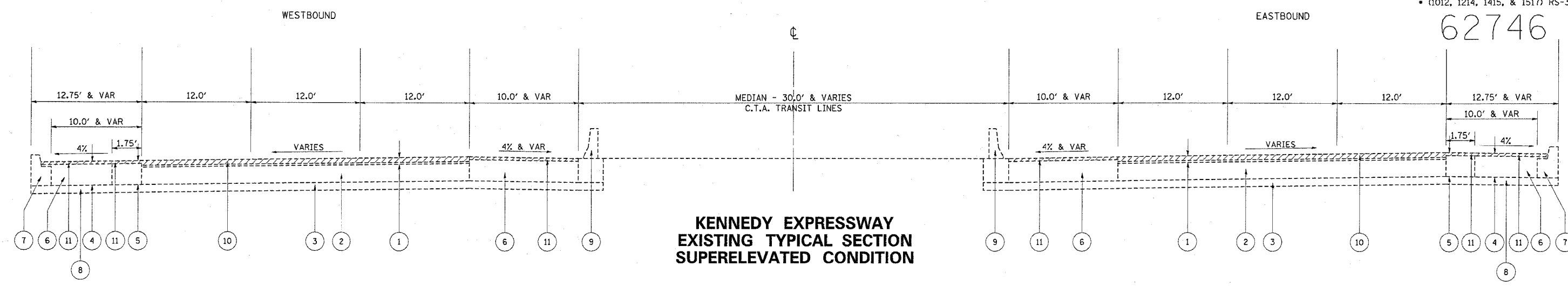
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
SUMMARY OF QUANTITIES  
KENNEDY EXPRESSWAY

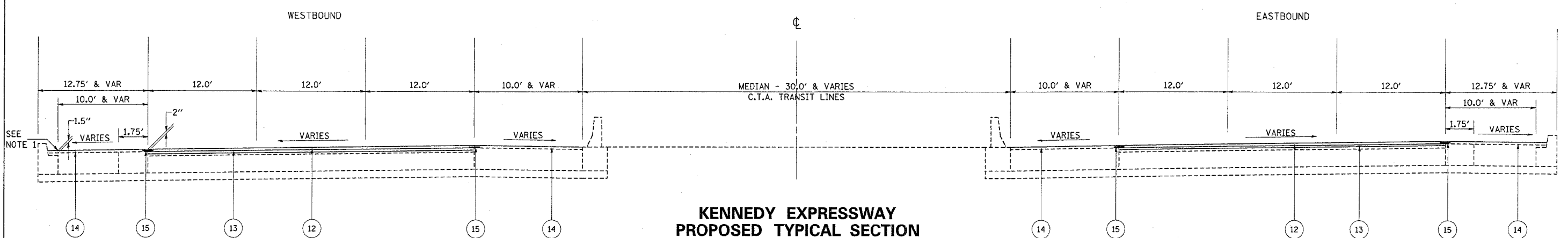


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	5
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				

62746



**KENNEDY EXPRESSWAY  
EXISTING TYPICAL SECTION  
SUPERELEVATED CONDITION**



**KENNEDY EXPRESSWAY  
PROPOSED TYPICAL SECTION  
SUPERELEVATED CONDITION**

**2005**

**2006**

**MIXTURE REQUIREMENTS**

MIXTURE TYPE	AC TYPE	RAP %	AIR VOIDS
STONE MATRIX ASPHALT, SURFACE COURSE	SBS PG 76-28	0	4% @ 80 GYR
STONE MATRIX ASPHALT, BINDER COURSE	SBS PG 76-28	0	4% @ 80 GYR
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	PG 64-22	10	4% @ 70 GYR
POLYMERIZED LEVELING BINDER (MAHCINE METHOD), SUPERPAVE, IL-4.75, N50	SBS / SBR PG 76-28	0	2.5% @ 50 GYR
CLASS D PATCHES (BINDER IL-25 MM)	PG 64-22	0	4% @ 105 GYR
BITUMINOUS REPLACEMENT OVER PATCHES (BINDER IL-19 MM)	PG 64-22	10	4% @ 90 GYR

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL BITUMINOUS SURFACE MIXTURE IS 112 LBS/SQ. YD./IN.

**NOTES**

1. MATCH EXISTING ELEVATIONS AT EDGE OF SHOULDER.
2. SOME LOCATIONS DO NOT HAVE CURB AND GUTTER. ALSO SHOULDER WIDTH VARIES FROM 10.0' MAXIMUM TO 4.0' MINIMUM.
3. MATCH EXISTING ELEVATIONS AT EDGE OF PAVEMENT.

**LEGEND**

- |  |  |
|--|--|
| ① EXISTING BITUMINOUS CONCRETE COURSE, ± 4¾"   | ⑨ EXISTING BARRIER WALL  |
| ② EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 10" (STD. REINFORCED)                                      | ⑩ PROPOSED BITUMINOUS SURFACE REMOVAL, 4"                                  |
| ③ EXISTING AGGREGATE SUB-BASE, 6"  | ⑪ PROPOSED BITUMINOUS SURFACE REMOVAL, 2"                                  |
| ④ EXISTING 4.75" BITUMINOUS CONCRETE SURFACE COURSE ON AGGREGATE BASE COURSE OR BITUMINOUS SHOULDER, 10" | ⑫ PROPOSED STONE MATRIX ASPHALT, SURFACE COURSE, 2"                        |
| ⑤ EXISTING BITUMINOUS SHOULDER WITH BITUMINOUS SURFACE COURSE, 12¼"                                      | ⑬ PROPOSED STONE MATRIX ASPHALT, BINDER COURSE, 2"                         |
| ⑥ EXISTING P.C.C. SHOULDER, 13"  | ⑭ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70, 2" |
| ⑦ EXISTING COMBINATION CONCRETE CURB AND GUTTER. TYPE VARIES (SEE NOTE 2)                                | ⑮ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT                        |
| ⑧ EXISTING POWER LINE, 24' ± 6' BELOW GRADE AND APPROXIMATELY 7.5' OFF EDGE OF PAVEMENT                  |  |

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**KENNEDY EXPRESSWAY  
TYPICAL SECTIONS**

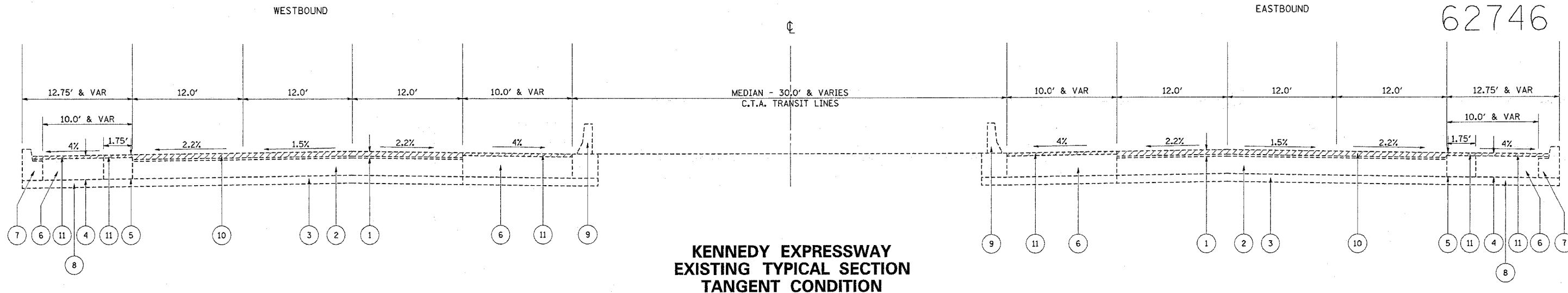
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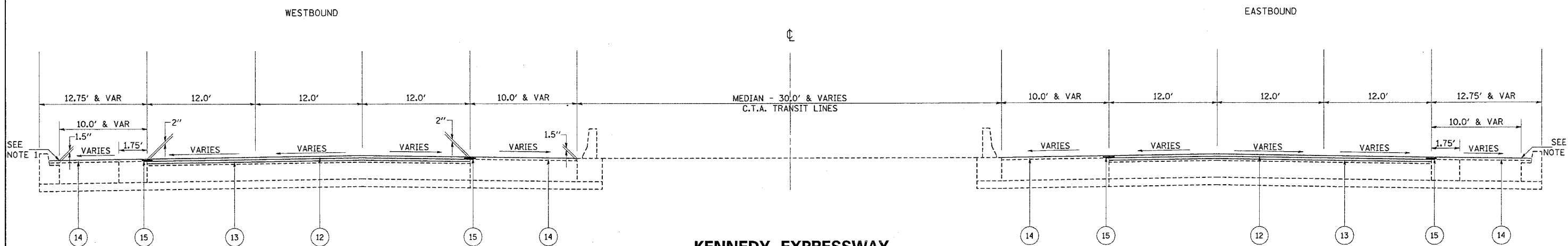
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F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	6
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				

62746



**KENNEDY EXPRESSWAY  
EXISTING TYPICAL SECTION  
TANGENT CONDITION**



**KENNEDY EXPRESSWAY  
PROPOSED TYPICAL SECTION  
TANGENT CONDITION**

**2005**

**2006**

**LEGEND**

- |  |   |
|--|---|
| ① EXISTING BITUMINOUS CONCRETE COURSE, ± 4¾"   | ⑨ EXISTING BARRIER WALL   |
| ② EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 10" (STD. REINFORCED)                                      | ⑩ PROPOSED BITUMINOUS SURFACE REMOVAL, 4"                                 |
| ③ EXISTING AGGREGATE SUB-BASE, 6"  | ⑪ PROPOSED BITUMINOUS SURFACE REMOVAL, 2"                                 |
| ④ EXISTING 4.75" BITUMINOUS CONCRETE SURFACE COURSE ON AGGREGATE BASE COURSE OR BITUMINOUS SHOULDER, 10" | ⑫ PROPOSED STONE MATRIX ASPHALT, SURFACE COURSE, 2"                       |
| ⑤ EXISTING BITUMINOUS SHOULDER WITH BITUMINOUS SURFACE COURSE, 12¼"                                      | ⑬ PROPOSED STONE MATRIX ASPHALT, BINDER COURSE, 2"                        |
| ⑥ EXISTING P.C.C. SHOULDER, 13"  | ⑭ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX"D", N70, 2" |
| ⑦ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE VARIES (SEE NOTE 2)                                | ⑮ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT                       |
| ⑧ EXISTING POWER LINE, 24"; ± 6' BELOW GRADE AND APPROXIMATELY 7.5' OFF EDGE OF PAVEMENT                 |   |

**NOTES**

1. MATCH EXISTING ELEVATIONS AT EDGE OF SHOULDER.
2. SOME LOCATIONS DO NOT HAVE CURB AND GUTTER. ALSO SHOULDER WIDTH VARIES FROM 10.0' MAXIMUM TO 4.0' MINIMUM.
3. MATCH EXISTING ELEVATIONS AT EDGE OF PAVEMENT.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

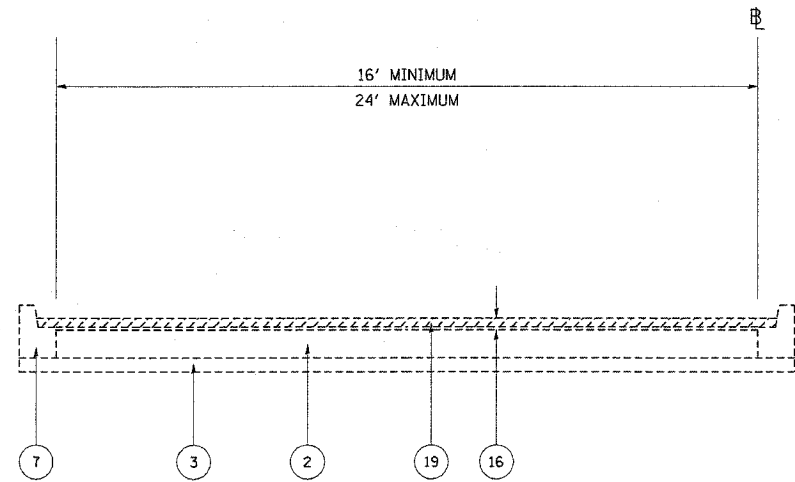
**KENNEDY EXPRESSWAY  
TYPICAL SECTIONS**

SCALE: VERT. NONE  
HORIZ. DATE 4/28/2005

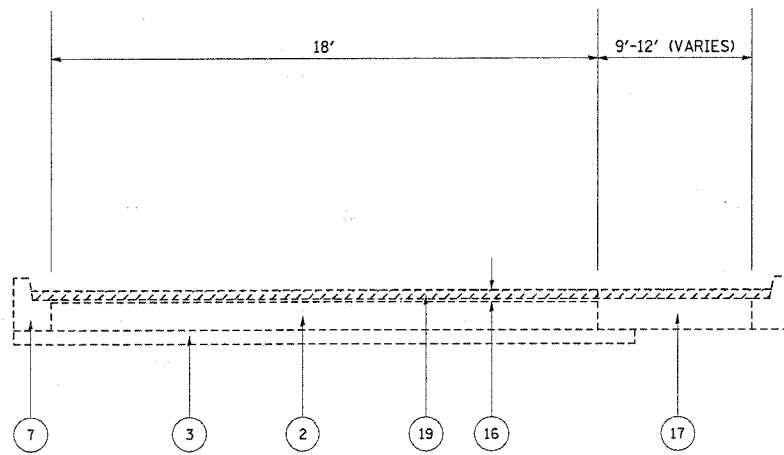
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	7
STA. TO STA.				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
* (1012, 1214, 1415, & 1517) RS-3				

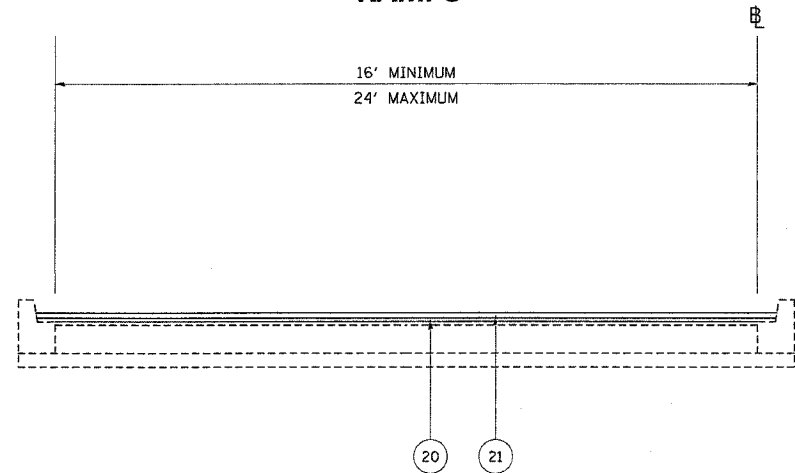
62746



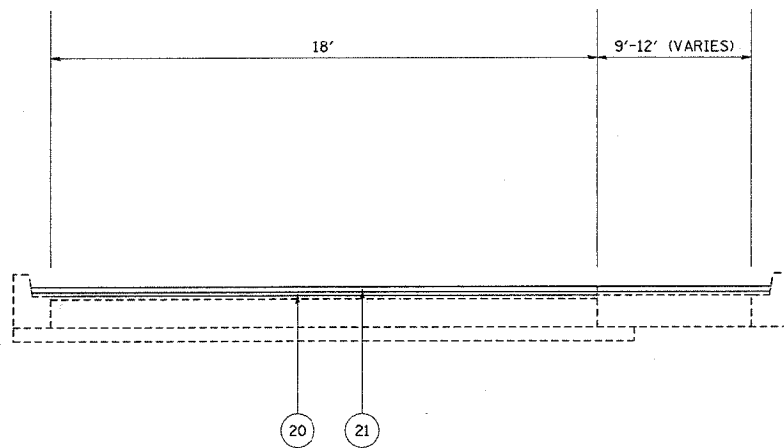
**KENNEDY EXPRESSWAY  
EXISTING TYPICAL SECTION  
RAMPS**



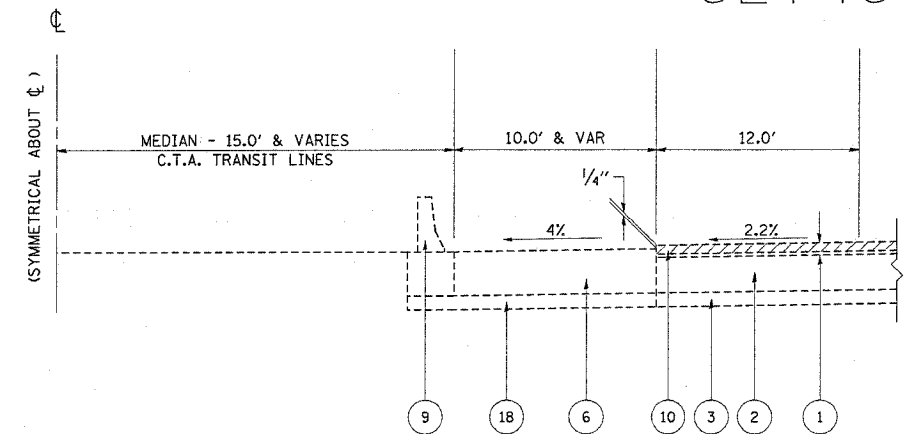
**KENNEDY EXPRESSWAY  
EXISTING TYPICAL SECTION  
CUMBERLAND ENTRANCE RAMP #4**



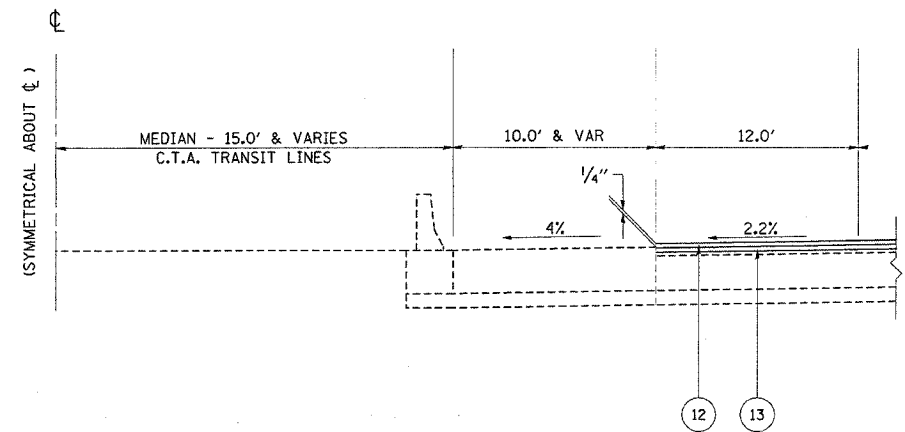
**KENNEDY EXPRESSWAY  
PROPOSED TYPICAL SECTION  
RAMPS**



**KENNEDY EXPRESSWAY  
PROPOSED TYPICAL SECTION  
CUMBERLAND ENTRANCE RAMP #4**



**KENNEDY EXPRESSWAY  
STA. 3610+38.00 TO STA. 3646+77.10  
EXISTING TYPICAL SECTION**



**KENNEDY EXPRESSWAY  
STA. 3610+38.00 TO STA. 3646+77.10  
PROPOSED TYPICAL SECTION**

2006

**LEGEND**

- |    |   |    |  |
|----|---|----|--|
| 1  | EXISTING BITUMINOUS CONCRETE COURSE, ± 4¾"                              | 13 | PROPOSED STONE MATRIX ASPHALT, BINDER COURSE, 2"                                   |
| 2  | EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 10" (STD. REINFORCED)       | 14 | PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX"D", N70, 2"            |
| 3  | EXISTING AGGREGATE SUB-BASE, 6"   | 16 | EXISTING BITUMINOUS CONCRETE COURSE, ± 2½"   |
| 6  | EXISTING P.C.C. SHOULDER, 13"   | 17 | EXISTING BITUMINOUS SHOULDER, 10"  |
| 7  | EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE VARIES (SEE NOTE 2) | 18 | EXISTING SUB-BASE GRANULAR MATERIAL, TYPE B, 6"                                    |
| 9  | EXISTING BARRIER WALL   | 19 | PROPOSED BITUMINOUS SURFACE REMOVAL, 2¼"   |
| 10 | PROPOSED BITUMINOUS SURFACE REMOVAL, 4"                                 | 20 | PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, 1L-4.75, N50, ¾" |
| 12 | PROPOSED STONE MATRIX ASPHALT, SURFACE COURSE, 2"                       | 21 | PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX"D", N70, 1½"           |

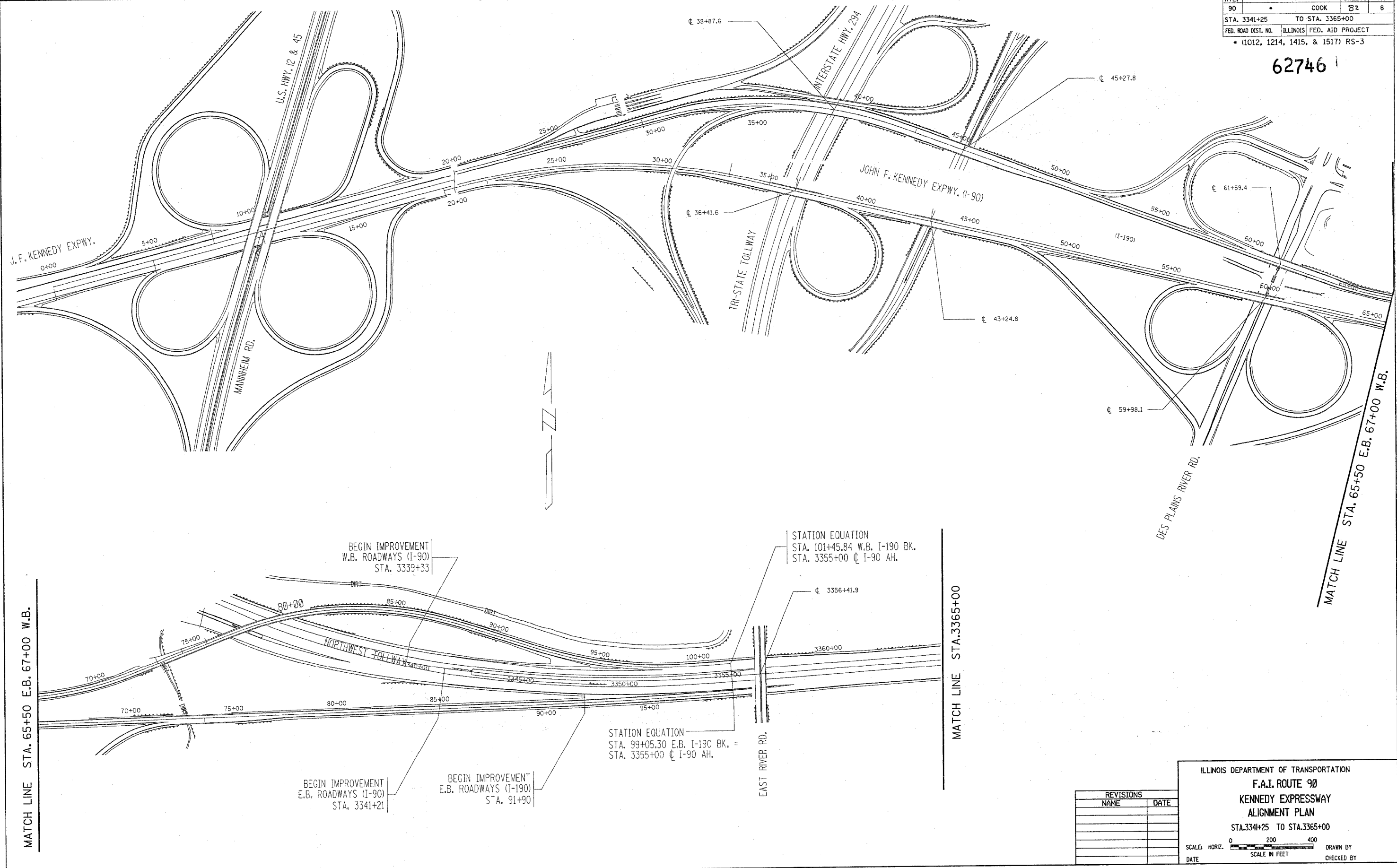
**NOTES**

1. MATCH EXISTING ELEVATIONS AT EDGE OF SHOULDER.
2. SOME LOCATIONS DO NOT HAVE CURB AND GUTTER. ALSO SHOULDER WIDTH VARIES FROM 10.0' MAXIMUM TO 4.0' MINIMUM.
3. MATCH EXISTING ELEVATIONS AT EDGE OF PAVEMENT.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		KENNEDY EXPRESSWAY TYPICAL SECTIONS
SCALE: VERT. NONE HORIZ. DATE 4/28/2005		DRAWN BY EWK CHECKED BY

CONTRACT NO. 62746				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	8
STA. 3341+25		TO STA. 3365+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		• (1012, 1214, 1415, & 1517) RS-3		

62746



MATCH LINE STA. 65+50 E.B. 67+00 W.B.

MATCH LINE STA. 3365+00

MATCH LINE STA. 65+50 E.B. 67+00 W.B.

BEGIN IMPROVEMENT  
W.B. ROADWAYS (I-90)  
STA. 3339+33

STATION EQUATION  
STA. 101+45.84 W.B. I-190 BK.  
STA. 3355+00 @ I-90 AH.

BEGIN IMPROVEMENT  
E.B. ROADWAYS (I-90)  
STA. 3341+21

BEGIN IMPROVEMENT  
E.B. ROADWAYS (I-190)  
STA. 91+90

STATION EQUATION  
STA. 99+05.30 E.B. I-190 BK. =  
STA. 3355+00 @ I-90 AH.

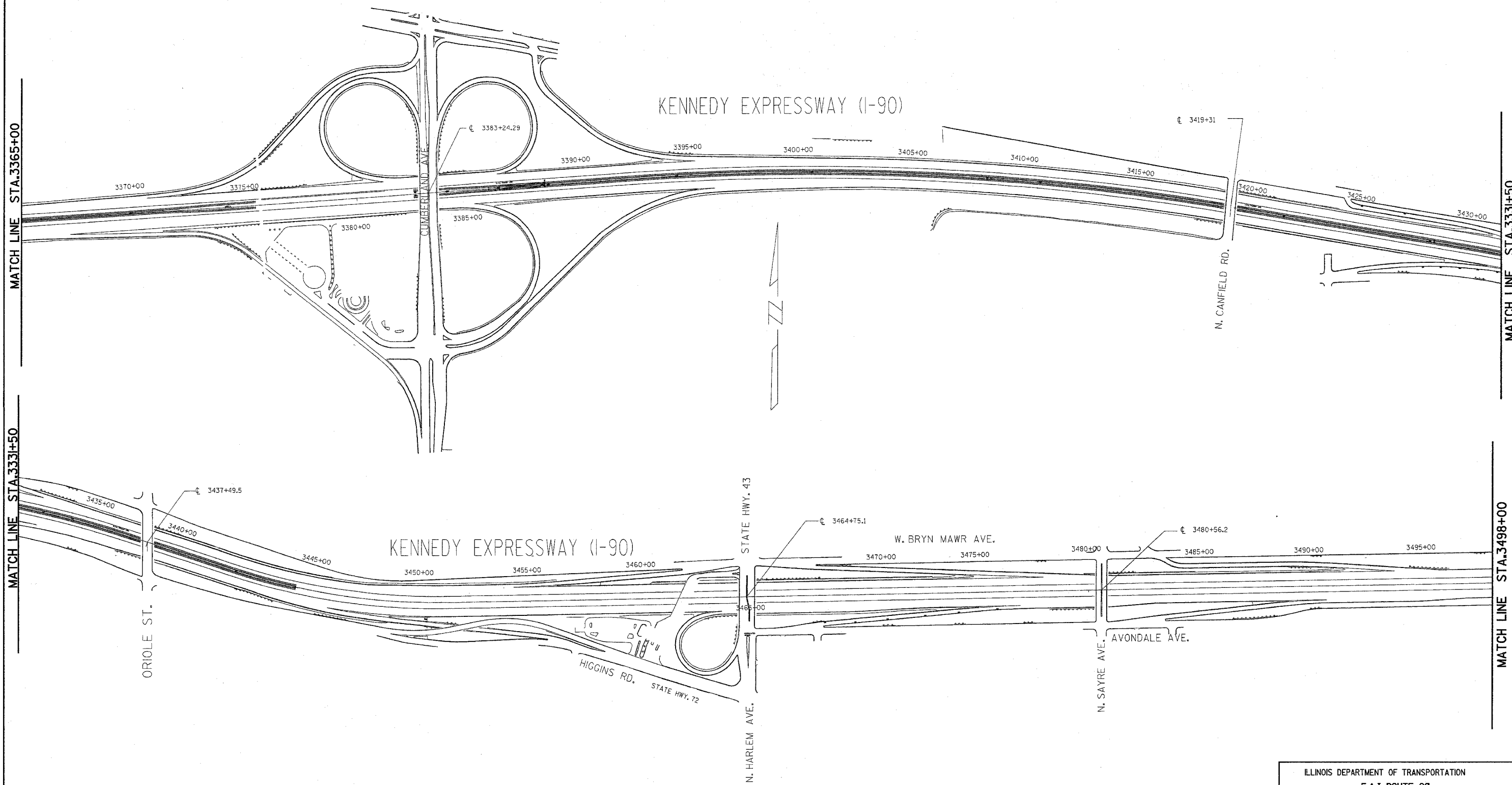
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90**  
**KENNEDY EXPRESSWAY**  
**ALIGNMENT PLAN**  
 STA. 3341+25 TO STA. 3365+00

SCALE: HORIZ. SCALE IN FEET

DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_ CHECKED BY \_\_\_\_\_

CONTRACT NO. 62746			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
90		COOK	82
STA. 3365+00		TO STA. 3498+00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
▪ (1012, 1214, 1415, & 1517) RS-3			



MATCH LINE STA. 3365+00

MATCH LINE STA. 3331+50

MATCH LINE STA. 3331+50

MATCH LINE STA. 3498+00

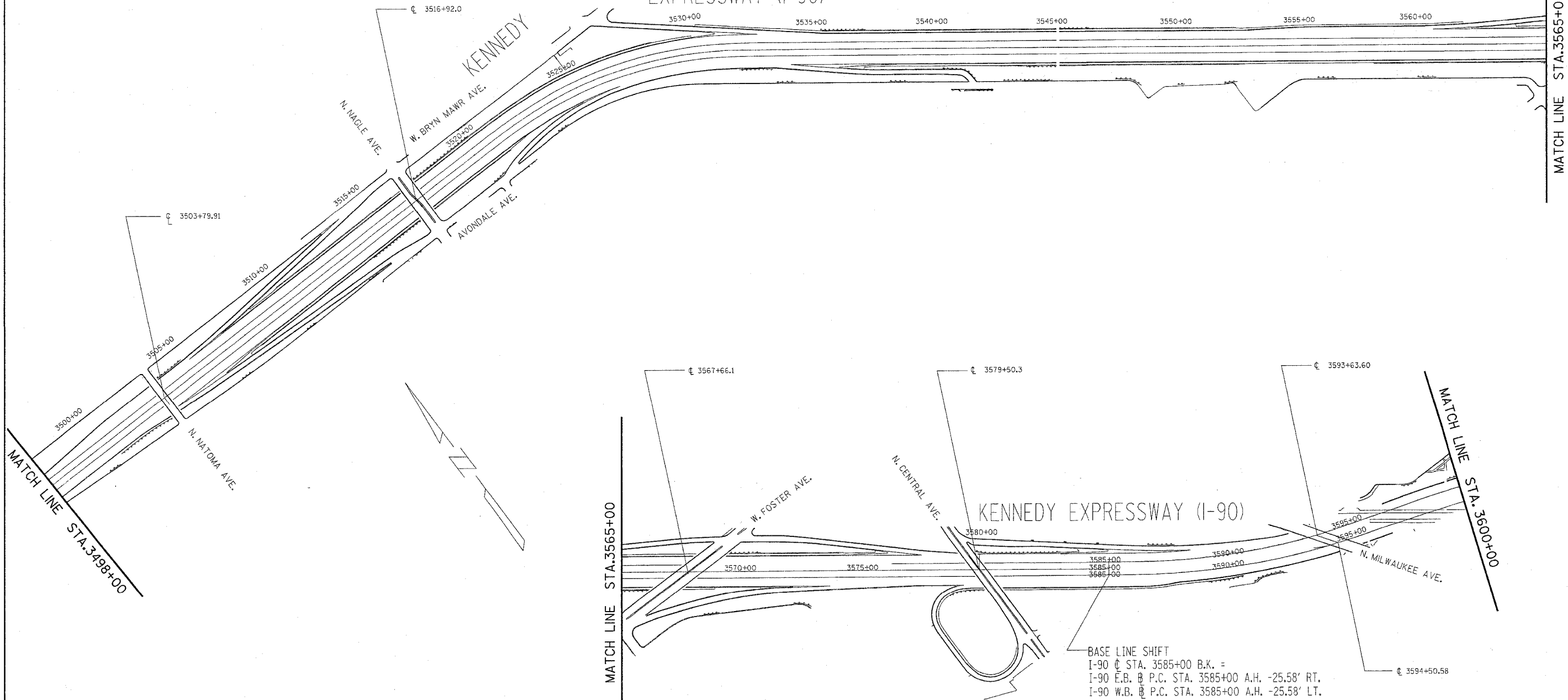
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90**  
**KENNEDY EXPRESSWAY**  
**ALIGNMENT PLAN**  
 STA. 3365+00 TO STA. 3498+00

SCALE: HORIZ. SCALE IN FEET  
 DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_ CHECKED BY \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	10
STA. 3498+00		TO STA. 3600+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				

EXPRESSWAY (I-90)



BASE LINE SHIFT  
 I-90 C. STA. 3585+00 B.K. =  
 I-90 E.B. P.C. STA. 3585+00 A.H. -25.58' RT.  
 I-90 W.B. P.C. STA. 3585+00 A.H. -25.58' LT.

REVISIONS	
NAME	DATE

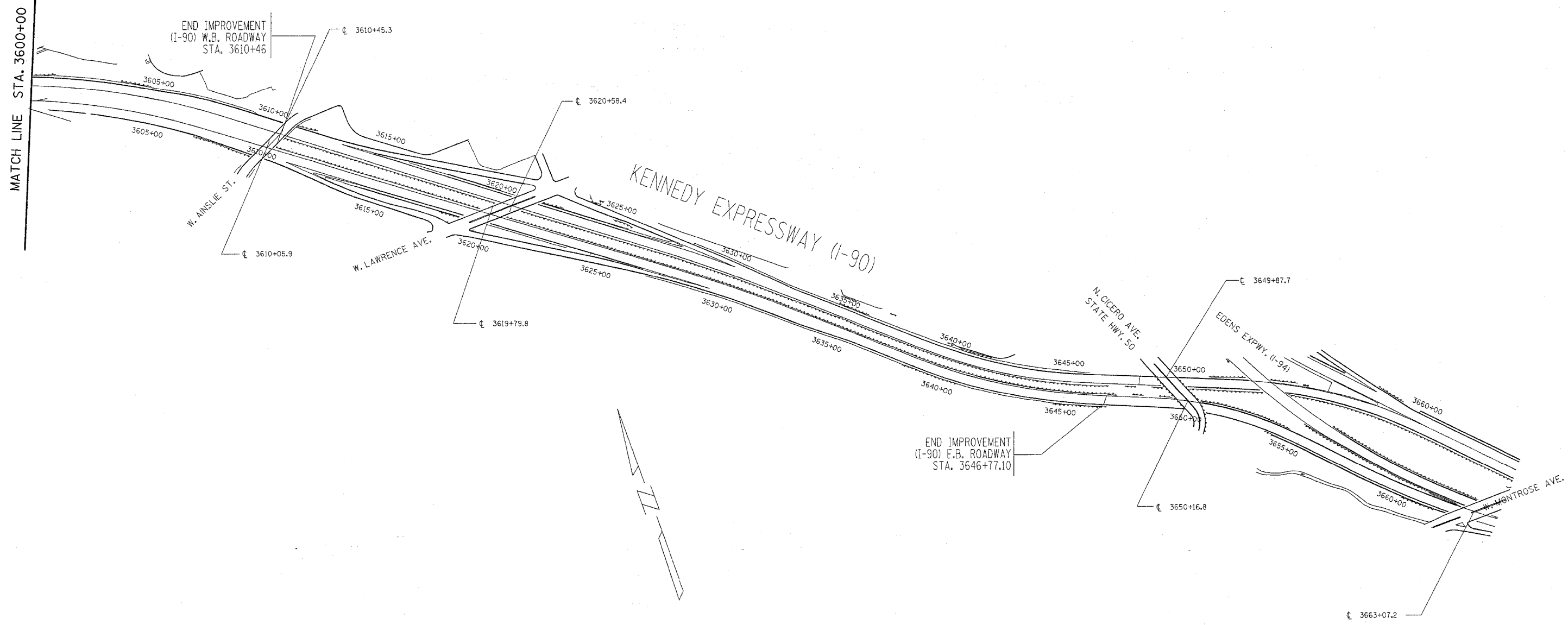
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90  
 KENNEDY EXPRESSWAY  
 ALIGNMENT PLAN  
 STA. 3498+00 TO STA. 3600+00

SCALE: HORIZ. SCALE IN FEET

DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_ CHECKED BY \_\_\_\_\_

CONTRACT NO. 6274E

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	11
STA. 3600+00		TO STA. 3662+20		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1012, 1214, 1415, & 1517) RS-3				



REVISIONS	
NAME	DATE

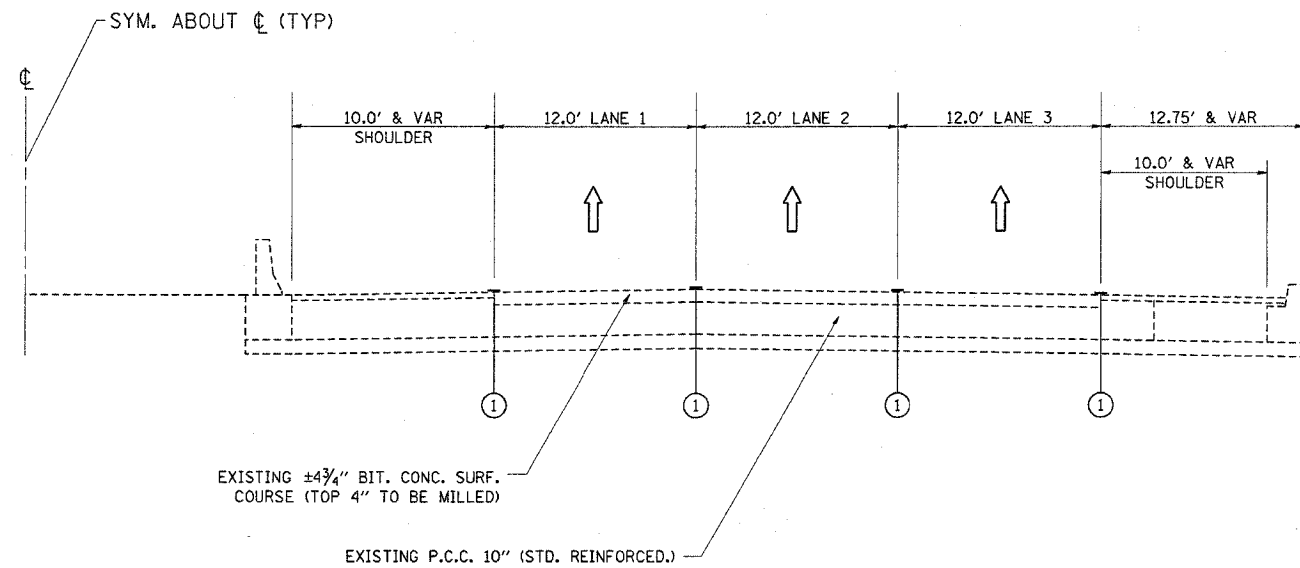
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90  
 KENNEDY EXPRESSWAY  
 ALIGNMENT PLAN  
 STA. 3600+00 TO STA. 3662+20

SCALE: HORIZ. SCALE IN FEET

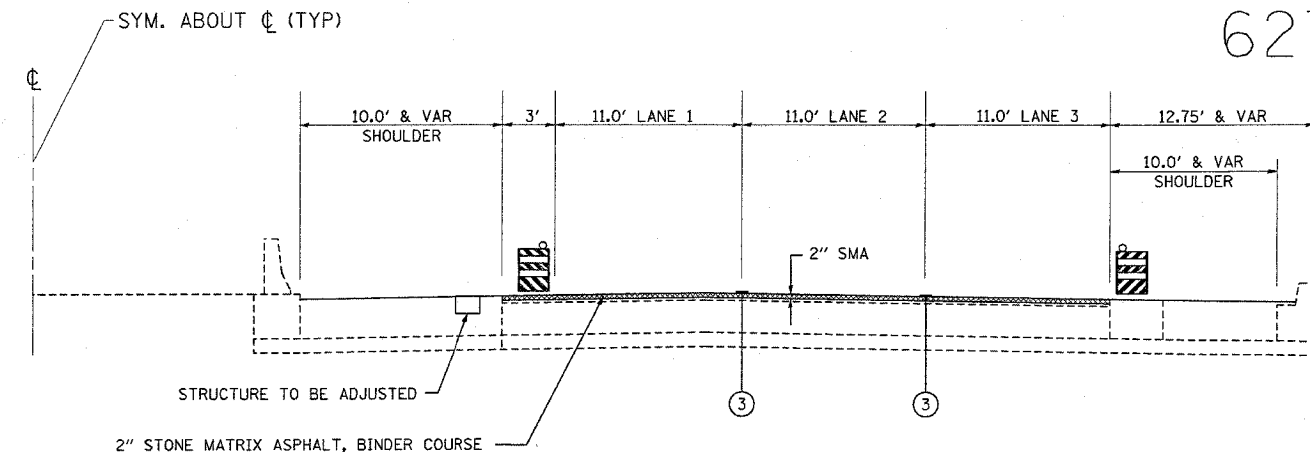
DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_ CHECKED BY \_\_\_\_\_

CONTRACT NO.				
F.A.I. RYE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				

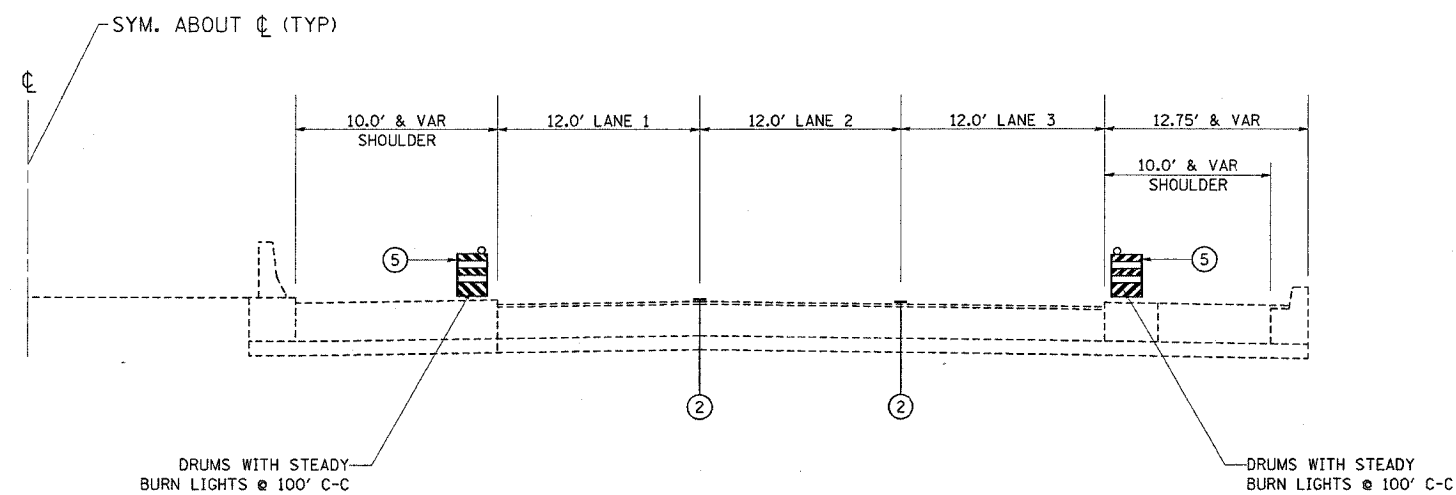
62746



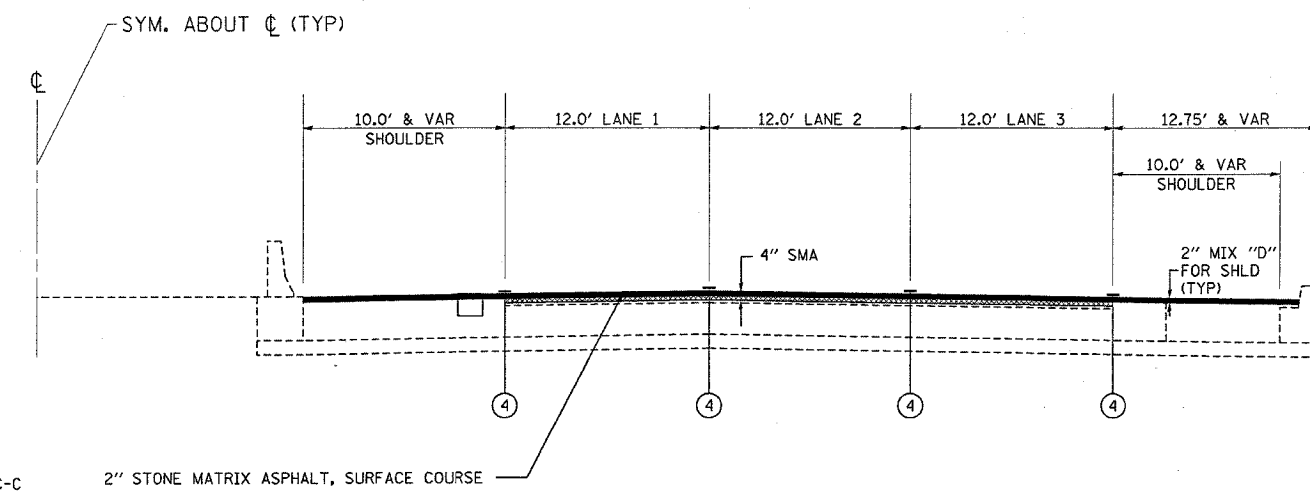
1. EXISTING CONDITIONS



3. CONDITIONS AFTER BINDER COURSE



2. CONDITIONS AFTER MILLING



4. FINAL CONDITIONS

LEGEND

- ① EXISTING PAVEMENT MARKING
- ② EPOXY PAVEMENT MARKING, LINE 5" (10' DASH - 30' SKIP)
- ③ PAVEMENT MARKING TAPE, TYPE III, LINE 5" (10' DASH - 30' SKIP)
- ④ PERMANENT PAVEMENT MARKING
- ⑤ DRUMS @ 100' C-C

NOTE: AT THE END OF EACH NIGHTLY SHIFT, THE CONTRACTOR SHALL SWEEP THE PAVEMENT SURFACE CLEAN, PLACE TEMPORARY PAVEMENT MARKING AND REMOVE TRAFFIC CONTROL.

DRUMS SHALL NOT BE PLACED IN THE LANE WHICH IS OPEN TO TRAFFIC. THE CONTRACTOR SHALL USE ONE FOOT WIDE VERTICAL BARRICADES WITH STEADY BURN LIGHTS ALONG THE MILLING AND PAVING OPERATIONS. THE TYPE OF VERTICAL BARRICADES SHALL BE APPROVED IN WRITING BY THE ENGINEER PRIOR TO BEING USED ON THE PROJECT. DRUMS OR TYPE II BARRICADES SHALL BE USED TO DELINEATE ALL OPEN RAMPS THROUGH THE WORK ZONE.

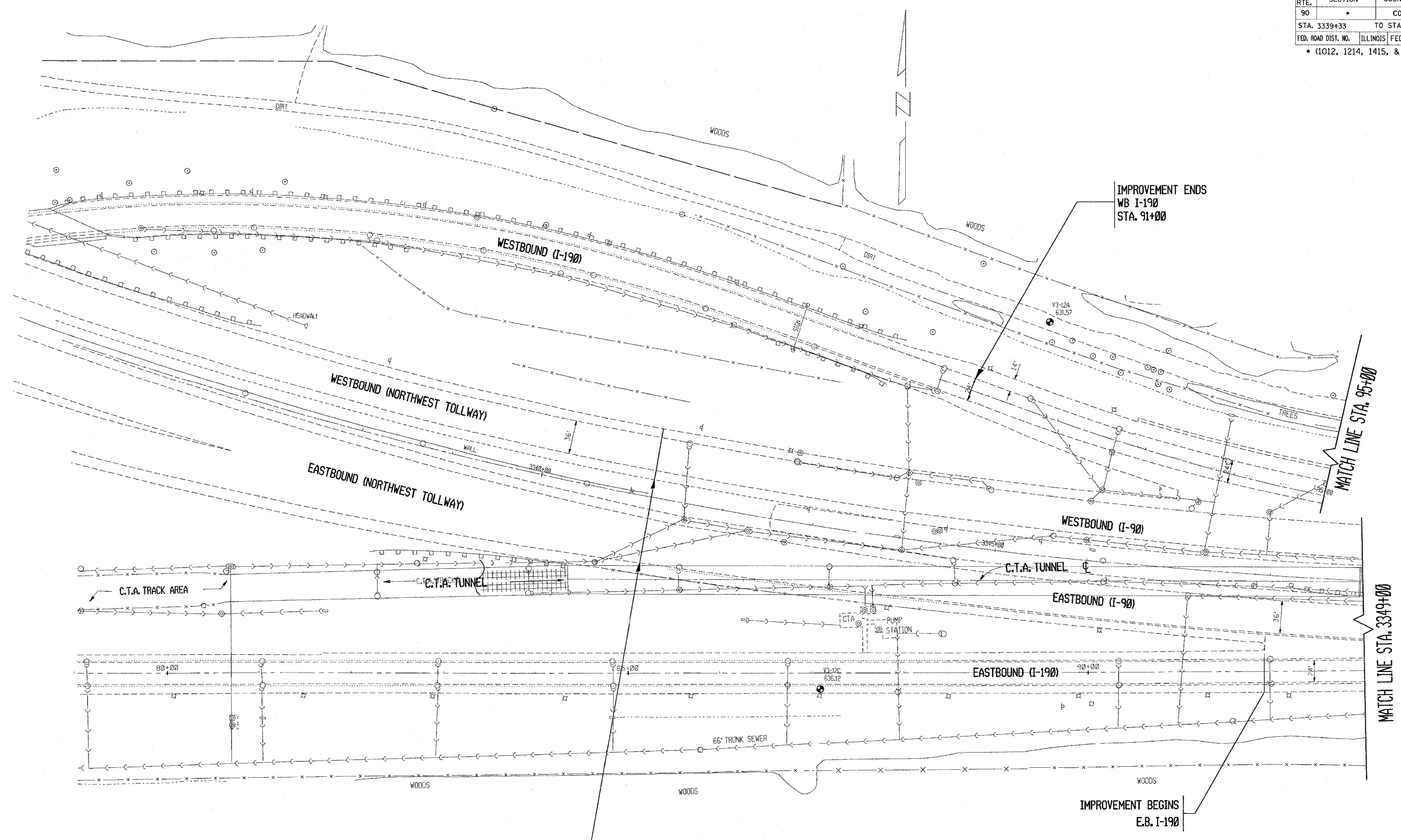
WESTBOUND I-90 (KENNEDY EXPRESSWAY) WILL BE COMPLETED IN 2005. EASTBOUND I-90 WILL BE COMPLETED IN 2006.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p>F.A.I. ROUTE 90 KENNEDY EXPRESSWAY TRAFFIC CONTROL PLAN</p> <p>SCALE: VERT. _____ HORIZ. _____</p> <p>DATE _____</p> <p>DRAWN BY _____ CHECKED BY _____</p>

PLOT DATE = 4/20/2005  
 FILE NAME = I12009A\I12009A.mxd  
 PLOT SCALE = 50.0000 / IN.  
 REFERENCE = REF#



CONTRACT NO. 62746				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	13
STA. 3339+33		TO STA. 3349+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* (1012, 1214, 1415, & 1517) RS-3				



IMPROVEMENT ENDS  
WB I-190  
STA. 91+00

MATCH LINE STA. 95+00

MATCH LINE STA. 3349+00

IMPROVEMENT BEGINS  
STA. 3341+21  
E.B. & W.B.

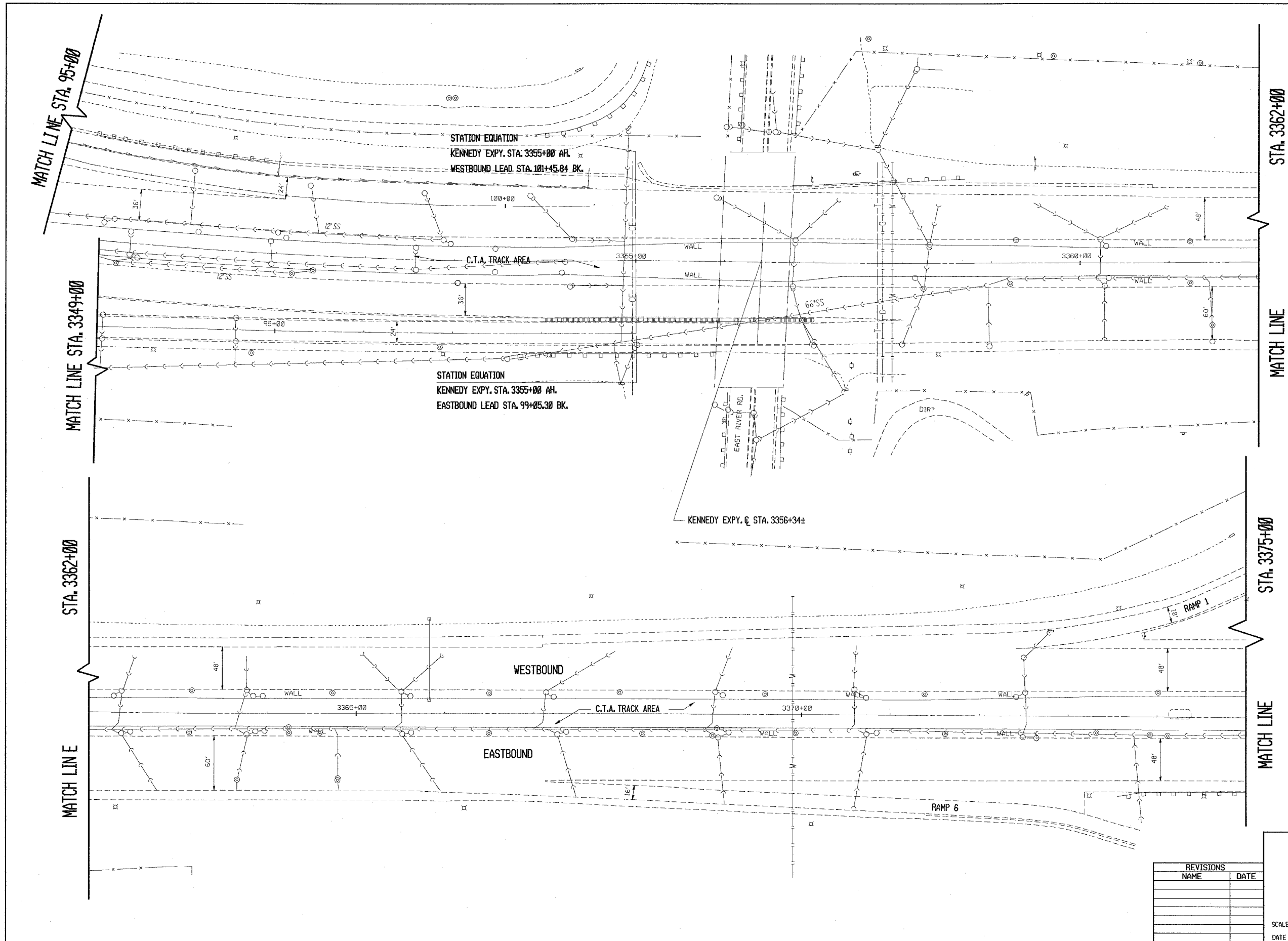
IMPROVEMENT BEGINS  
E.B. I-190

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90  
KENNEDY EXPRESSWAY  
EXISTING CONDITIONS  
STA. 3339+33 TO STA. 3349+00  
SCALE: HORIZ. 1" = 50'  
SCALE IN FEET  
DRAWN BY  
DATE: \_\_\_\_\_ CHECKED BY \_\_\_\_\_

PLOT DATE: 5/2/2005  
 FILE NAME: c:\p\proj\62746\120884\960a.mxd  
 PLOT SCALE: 50.000 / IN.  
 REFERENCE: #REF#

CONTRACT NO. 62746			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
90		COOK	82
STA. 3349+00		TO STA. 3375+00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
• (1012, 1214, 1415, & 1517) RS-3			

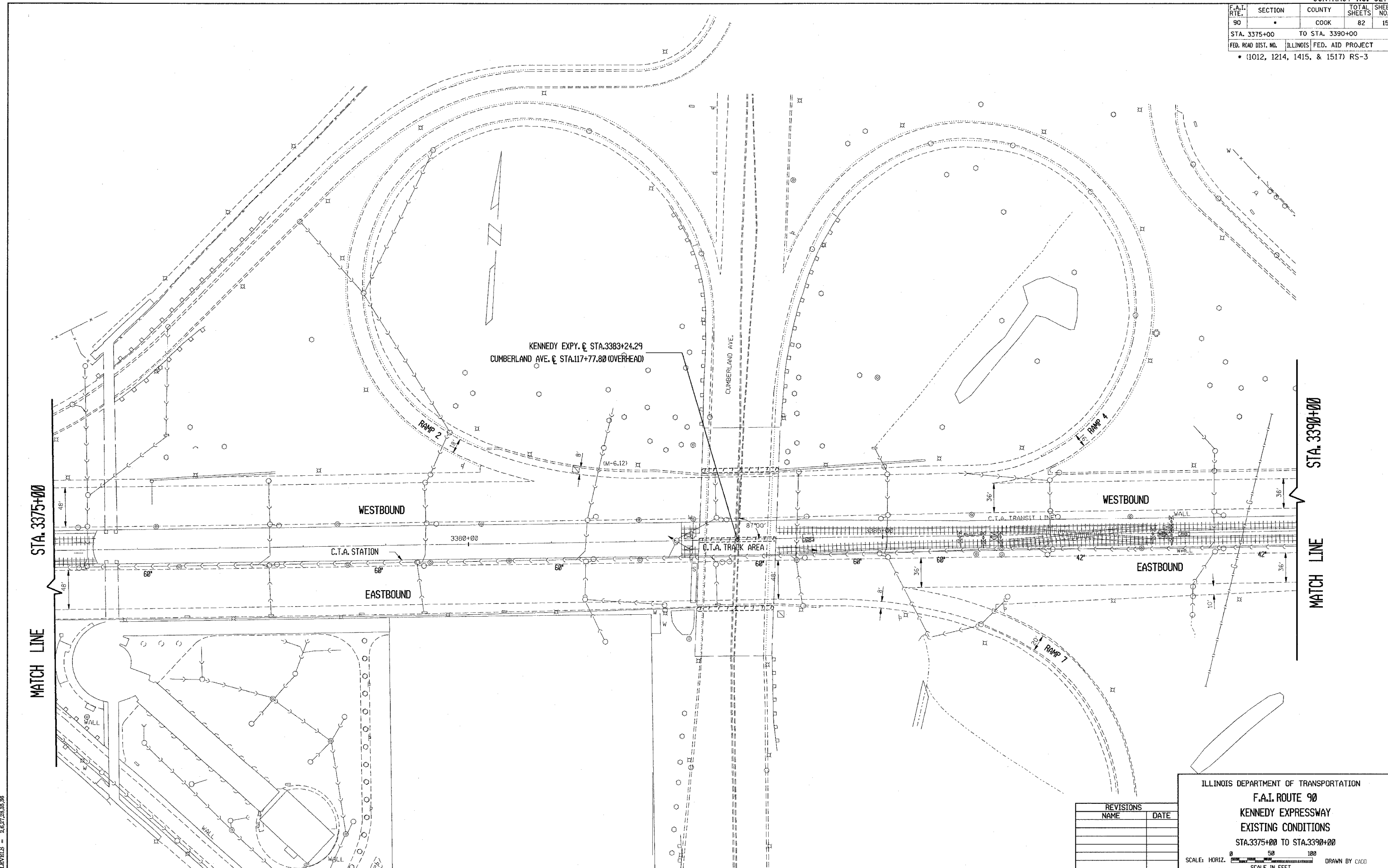


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90**  
**KENNEDY EXPRESSWAY**  
**EXISTING CONDITIONS**  
**STA. 3349+00 TO STA. 3375+00**

SCALE: HORIZ. SCALE IN FEET  
 DATE 9/10/86 DRAWN BY CAD0 CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	15
STA. 3375+00		TO STA. 3390+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• (1012, 1214, 1415, & 1517) RS-3				



5/2/2005  
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5/2/2005  
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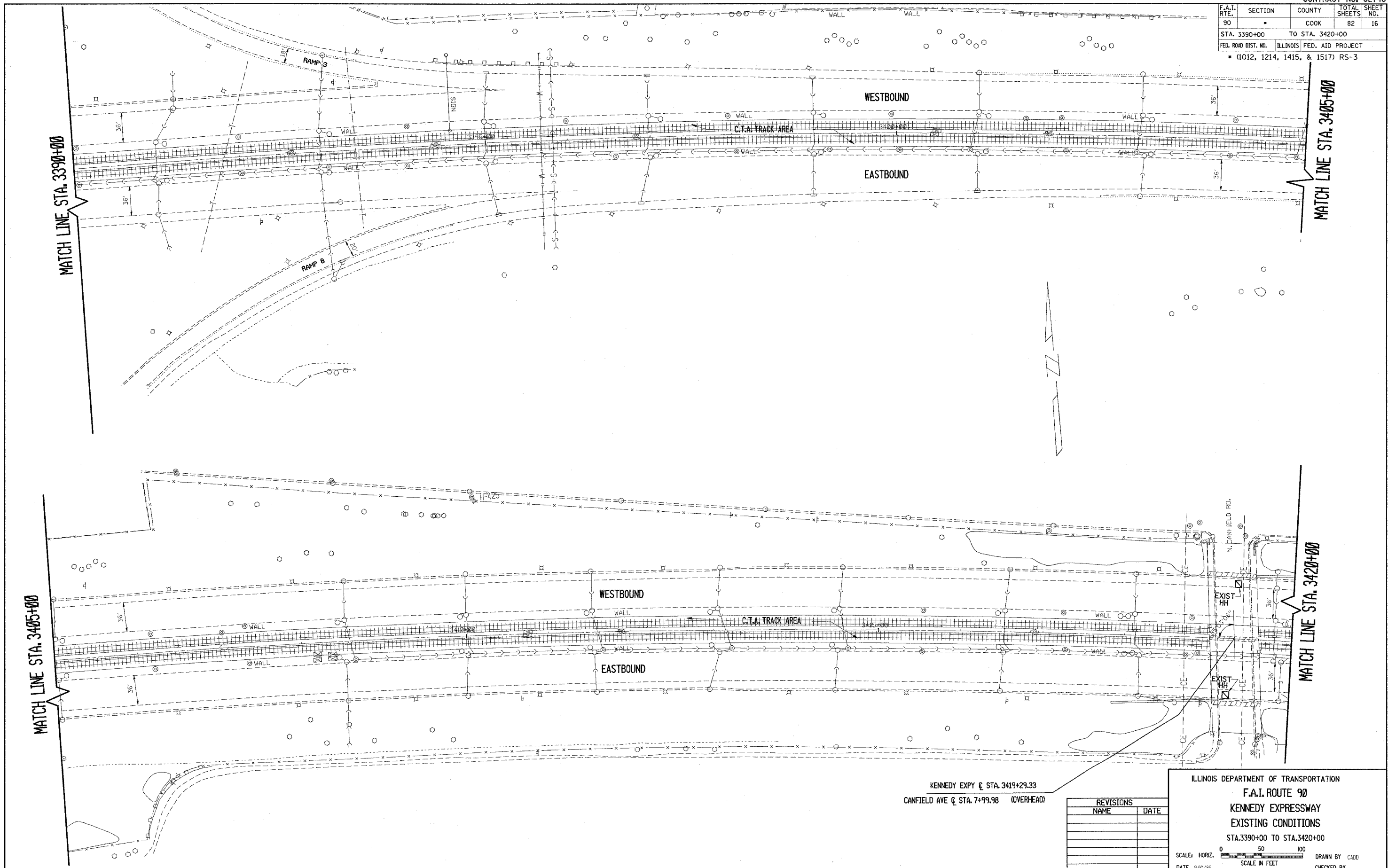
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90**  
**KENNEDY EXPRESSWAY**  
**EXISTING CONDITIONS**  
 STA. 3375+00 TO STA. 3390+00

SCALE: HORIZ. SCALE IN FEET  
 DATE 9/10/86 DRAWN BY CADD CHECKED BY

CONTRACT NO. 62746

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	16
STA. 3390+00		TO STA. 3420+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				



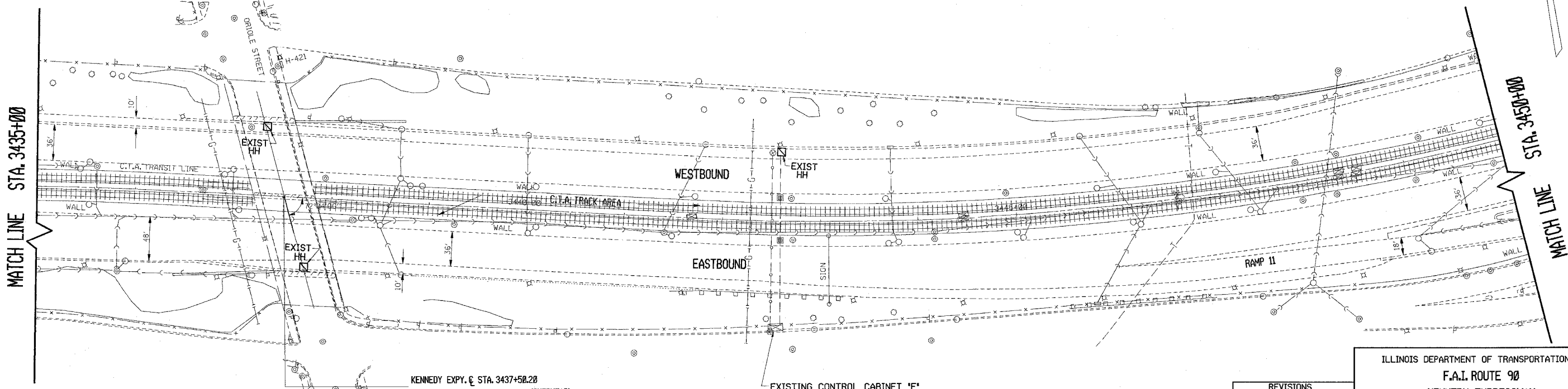
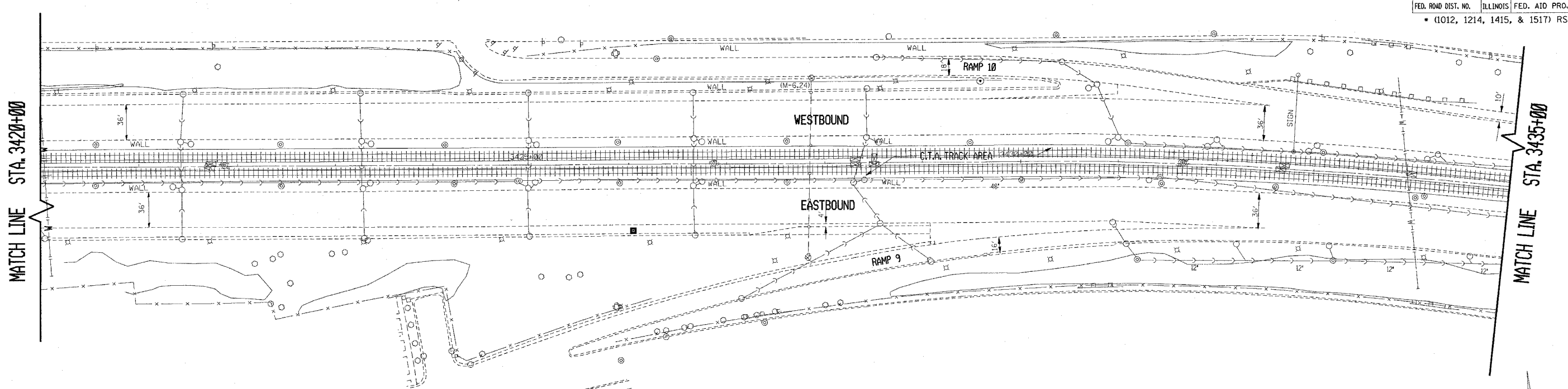
KENNEDY EXPY @ STA. 3419+29.33  
 CANFIELD AVE @ STA. 7+99.98 (OVERHEAD)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90  
 KENNEDY EXPRESSWAY  
 EXISTING CONDITIONS  
 STA. 3390+00 TO STA. 3420+00

SCALE: HORIZ. SCALE IN FEET  
 DATE 9/10/86 DRAWN BY CADD CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	17
STA. 3420+00		TO STA. 3450+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (1012, 1214, 1415, & 1517) RS-3				



KENNEDY EXPY. @ STA. 3437+50.20  
N. ORIOLE AVE. @ STA. 8+00 (OVERHEAD)

EXISTING CONTROL CABINET 'F'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90**  
**KENNEDY EXPRESSWAY**  
**EXISTING CONDITIONS**  
 STA. 3420+00 TO STA. 3450+00

SCALE: HORIZ. SCALE IN FEET  
 DATE 5/2/2005 DRAWN BY CADD CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	18
STA. 3450+00		TO STA. 3480+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				

STA. 3450+00

MATCH LINE

STA. 3465+00

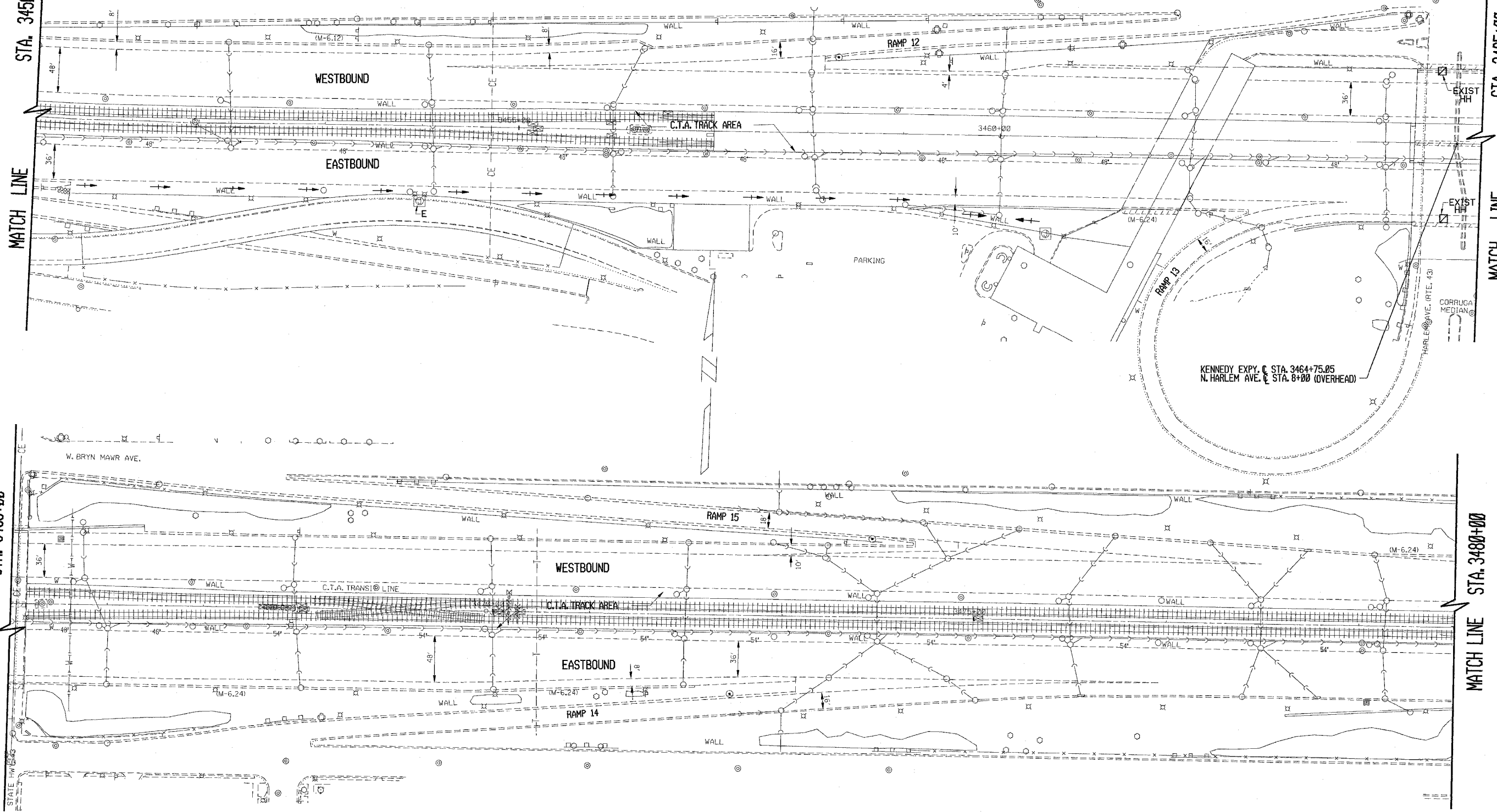
MATCH LINE

STA. 3465+00

MATCH LINE

STA. 3480+00

MATCH LINE



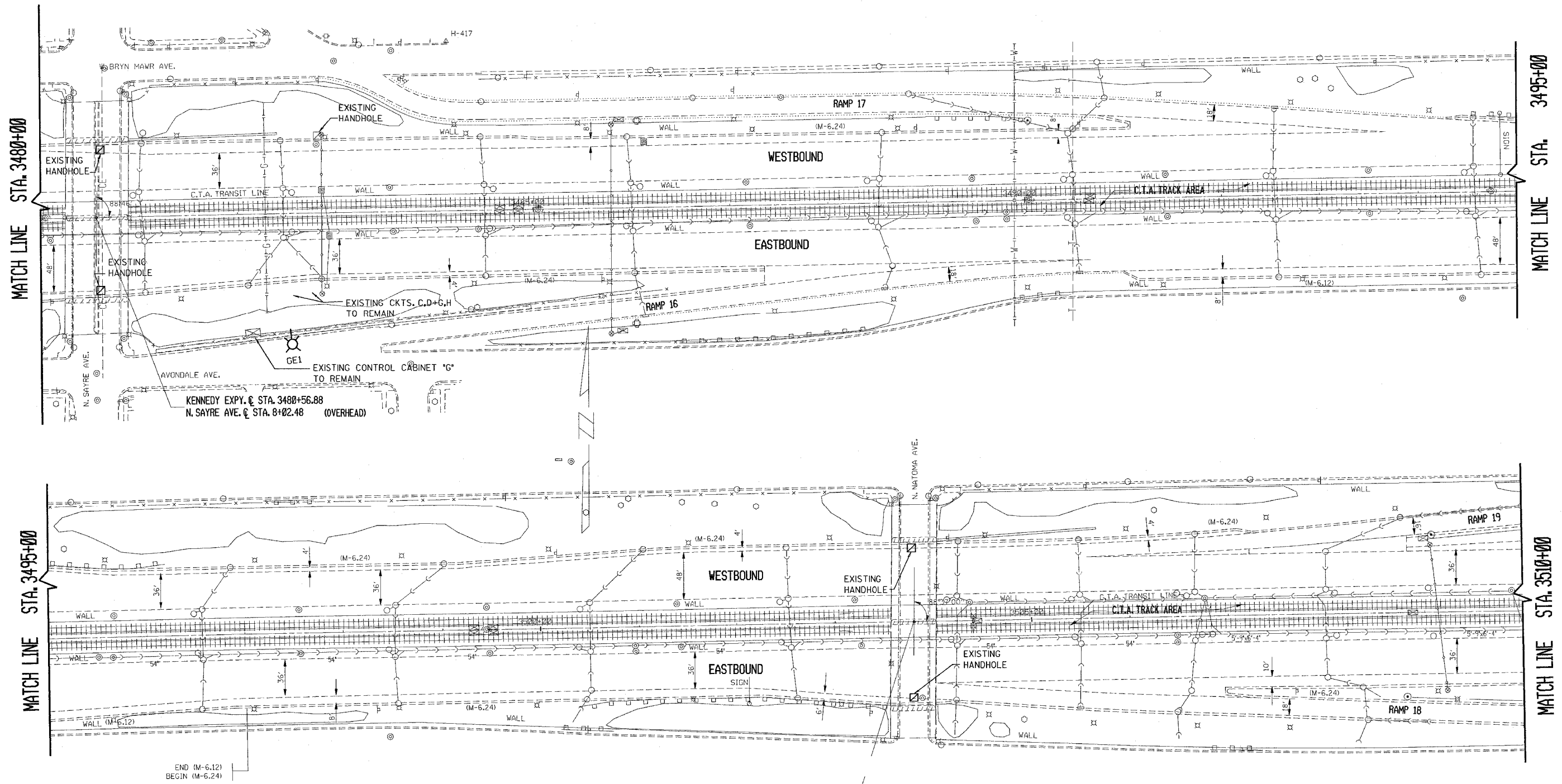
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90  
 KENNEDY EXPRESSWAY  
 EXISTING CONDITIONS  
 STA. 3450+00 TO STA. 3480+00

SCALE: HORIZ. 1" = 50' 100'  
 SCALE IN FEET

DATE 5/2/2005 DRAWN BY CAD0  
 CHECKED BY

CONTRACT NO. 62746				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	19
STA. 3480+00		TO STA. 3510+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90**  
 KENNEDY EXPRESSWAY  
 EXISTING CONDITIONS  
 STA. 3480+00 TO STA. 3510+00

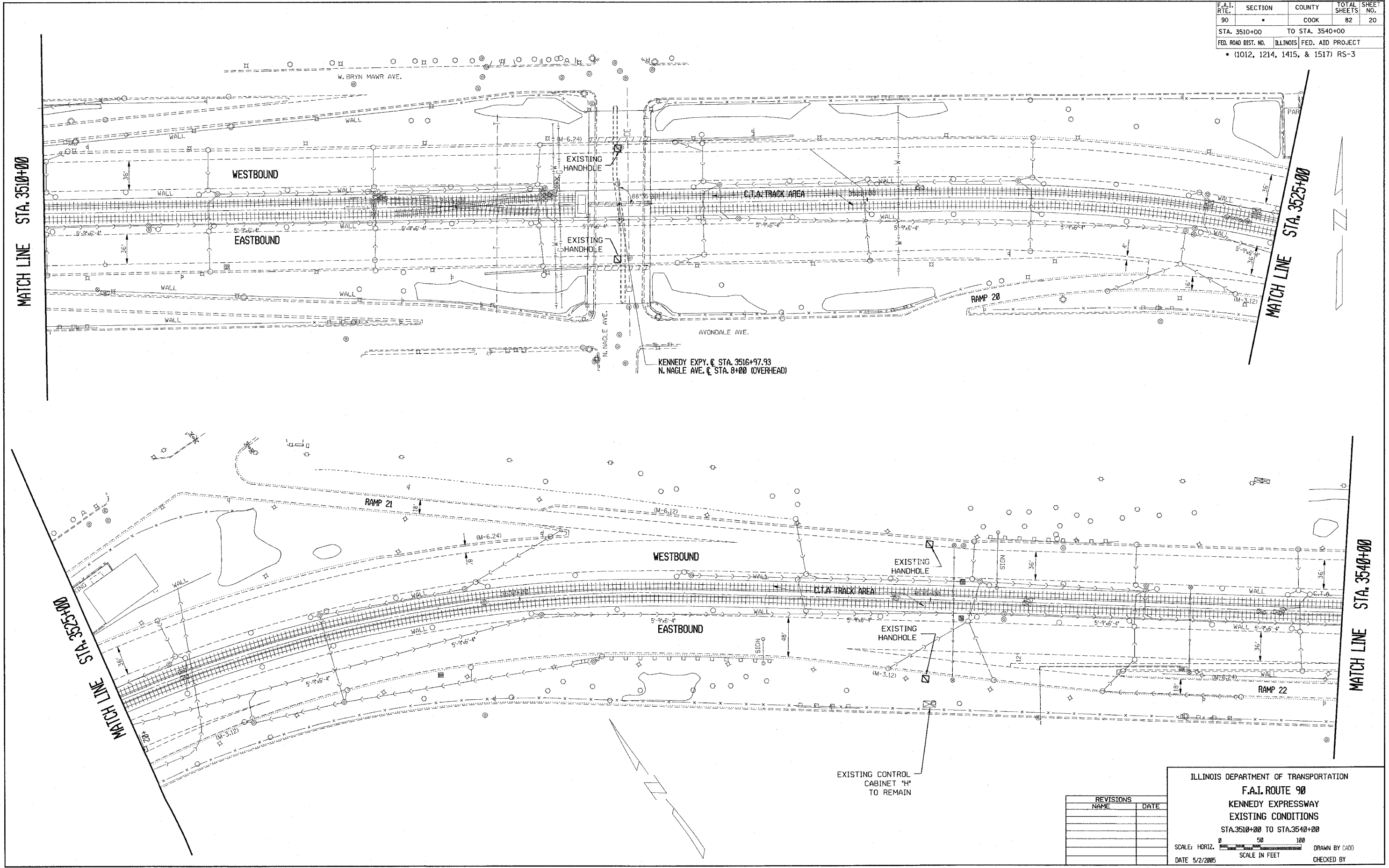
SCALE: HORIZ. SCALE IN FEET  
 DATE 5/2/2005 DRAWN BY CAD CHECKED BY

KENNEDY EXPY. C (STA. 3503+79.91  
 N. NATOMA AVE. STA. 8+19.86) (OVERHEAD)

END (M-6.12)  
 BEGIN (M-6.24)



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	20
STA. 3510+00		TO STA. 3540+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1012, 1214, 1415, & 1517) RS-3				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90**  
 KENNEDY EXPRESSWAY  
 EXISTING CONDITIONS  
 STA. 3510+00 TO STA. 3540+00

SCALE: HORIZ. SCALE IN FEET  
 DATE 5/2/2005 DRAWN BY CAD0 CHECKED BY



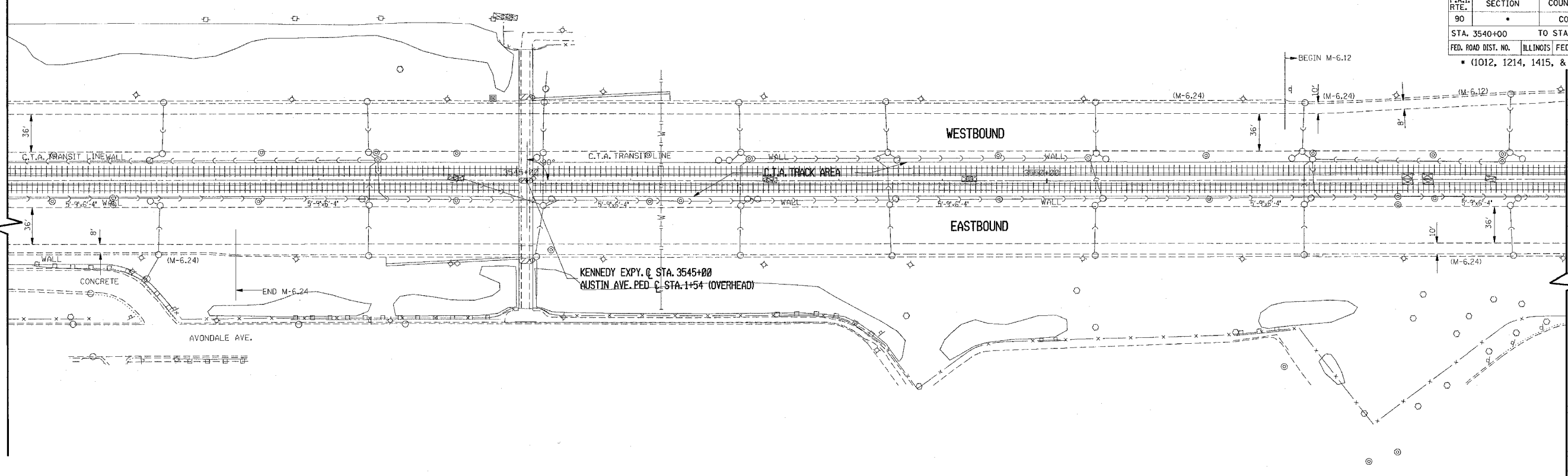
CONTRACT NO. 62746				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	21
STA. 3540+00		TO STA. 3570+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1012, 1214, 1415, & 1517) RS-3				

STA. 3540+00

MATCH LINE

STA. 3555+00

MATCH LINE

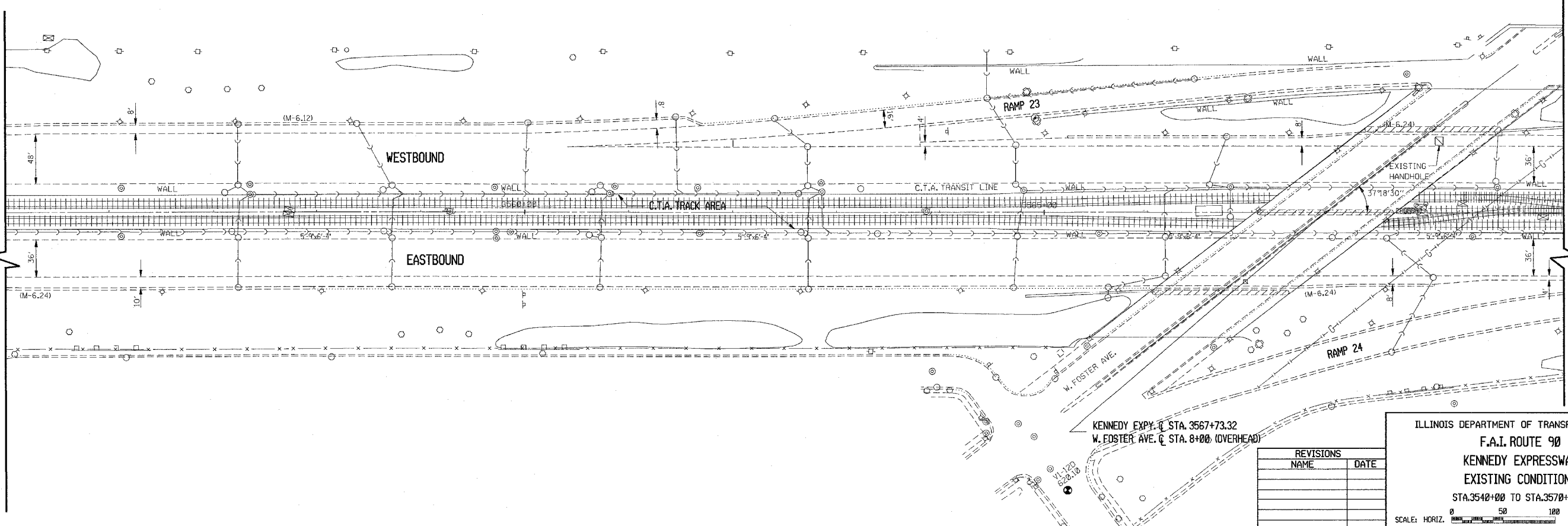


STA. 3555+00

MATCH LINE

STA. 3570+00

MATCH LINE



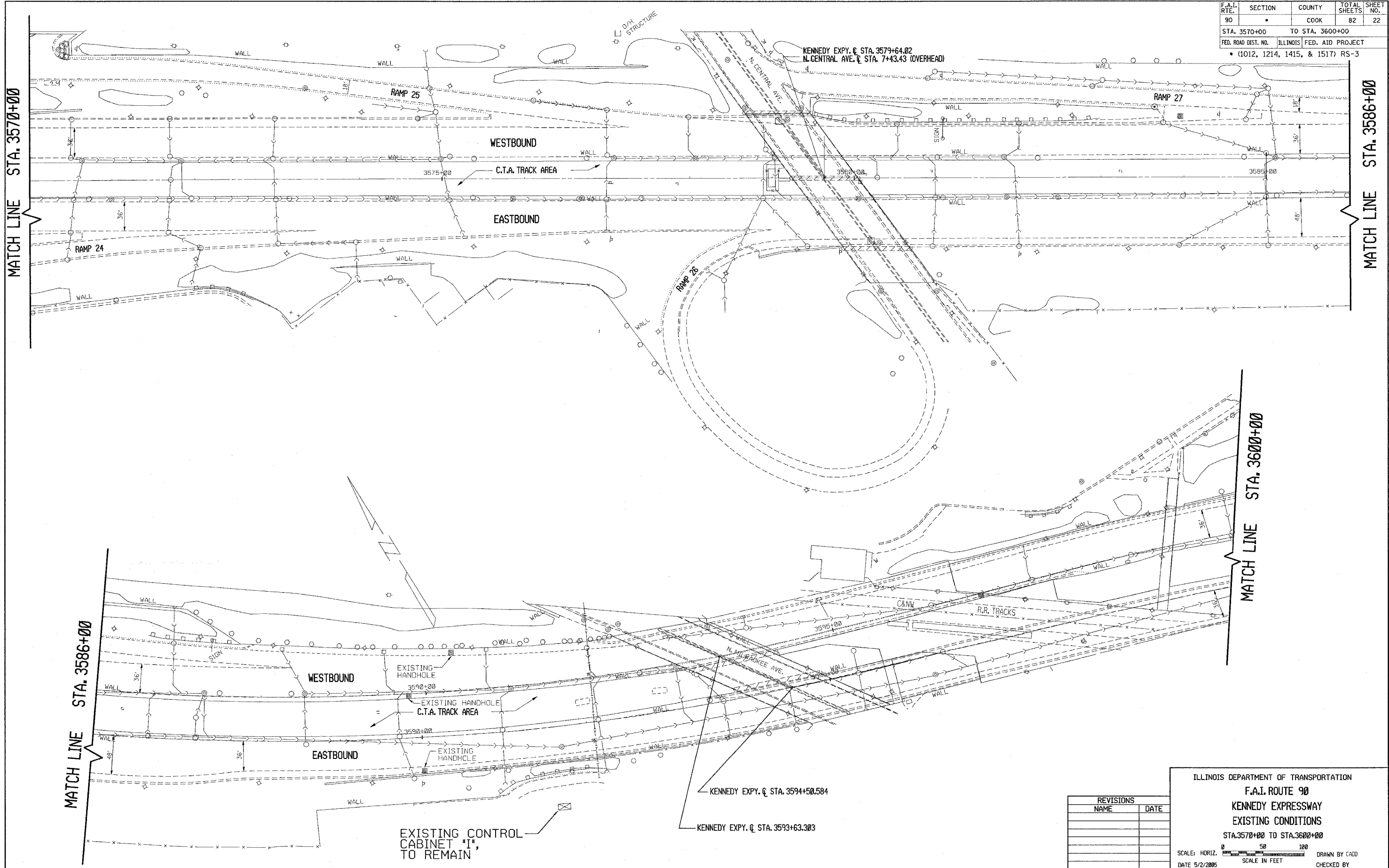
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90  
 KENNEDY EXPRESSWAY  
 EXISTING CONDITIONS  
 STA. 3540+00 TO STA. 3570+00

SCALE: HORIZ. SCALE IN FEET

DATE: ##/##/## DRAWN BY: H.J.K.  
 CHECKED BY: GUS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	22
STA. 3570+00		TO STA. 3600+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1012, 1214, 1415, & 1517) RS-3				



MATCH LINE STA. 3586+00

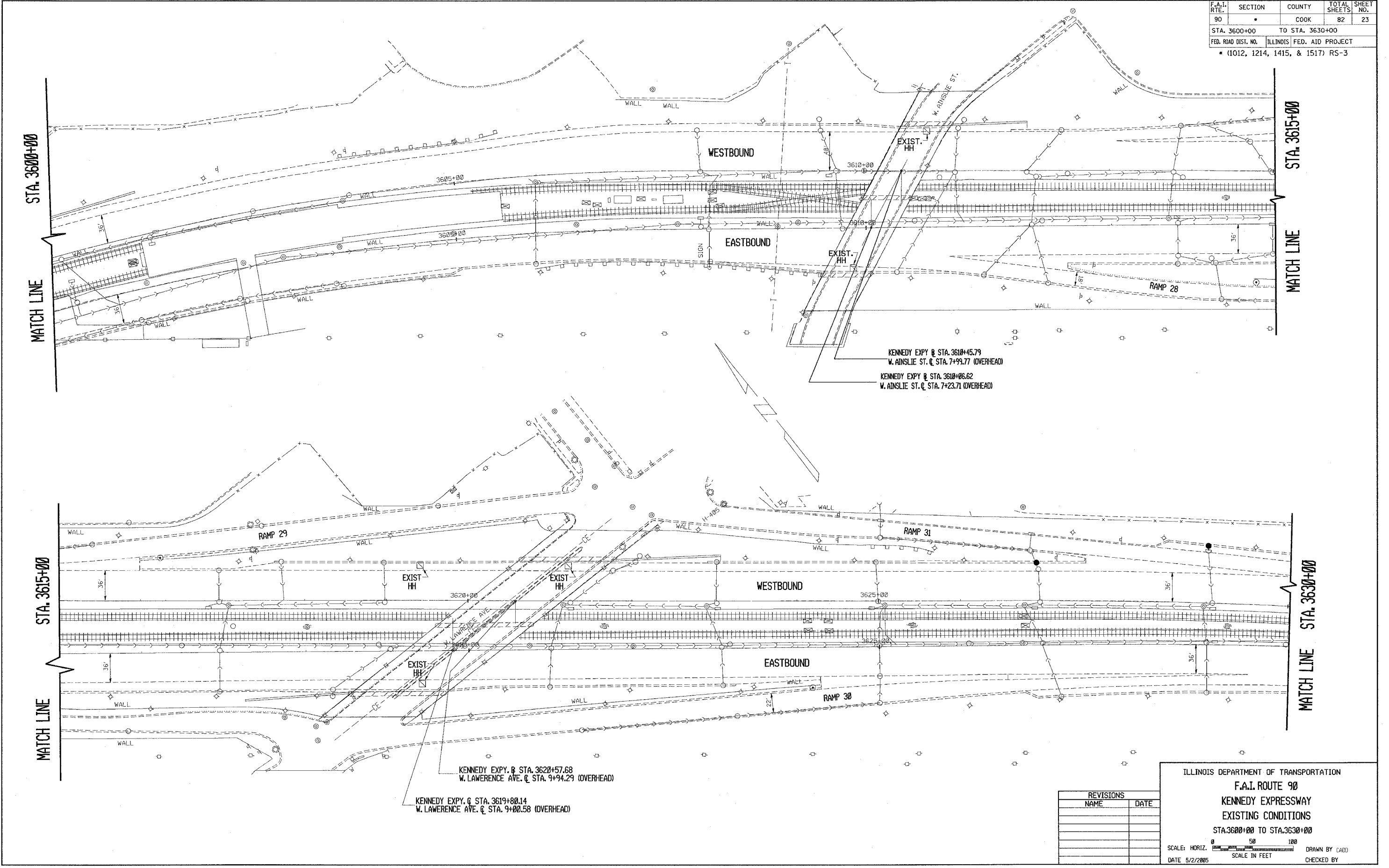
MATCH LINE STA. 3586+00

MATCH LINE STA. 3600+00

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90  
 KENNEDY EXPRESSWAY  
 EXISTING CONDITIONS  
 STA. 3570+00 TO STA. 3600+00  
 SCALE: HORIZ. 1" = 50' 100'  
 SCALE IN FEET  
 DATE 5/2/2005  
 DRAWN BY CAD  
 CHECKED BY

CONTRACT NO. 62746				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	23
STA. 3600+00		TO STA. 3630+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1012, 1214, 1415, & 1517) RS-3				



KENNEDY EXPY @ STA. 3610+45.79  
 W. AINSLIE ST. @ STA. 7+99.77 (OVERHEAD)  
 KENNEDY EXPY @ STA. 3610+06.62  
 W. AINSLIE ST. @ STA. 7+23.71 (OVERHEAD)

KENNEDY EXPY. @ STA. 3620+57.68  
 W. LAWRENCE AVE. @ STA. 9+94.29 (OVERHEAD)  
 KENNEDY EXPY. @ STA. 3619+00.14  
 W. LAWRENCE AVE. @ STA. 9+00.58 (OVERHEAD)

REVISIONS	
NAME	DATE

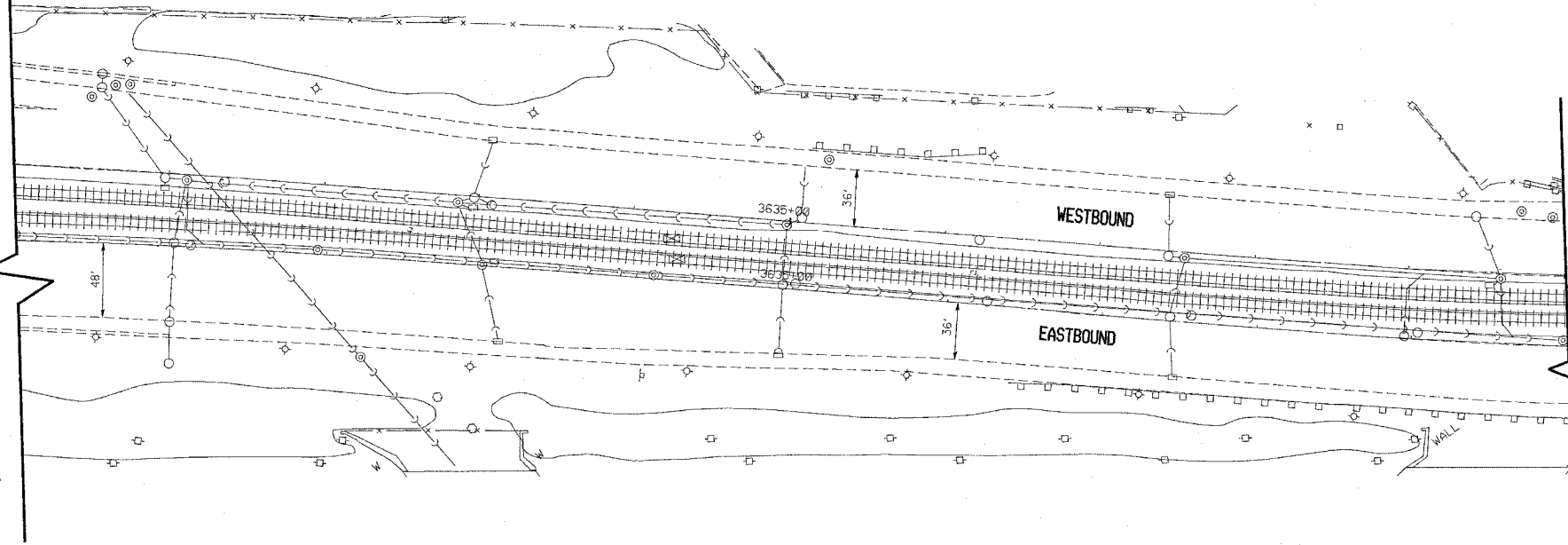
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90  
 KENNEDY EXPRESSWAY  
 EXISTING CONDITIONS  
 STA. 3600+00 TO STA. 3630+00

SCALE: HORIZ. SCALE IN FEET  
 DATE: 5/2/2005 DRAWN BY: CAD  
 CHECKED BY:

CONTRACT NO. 62746				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	24
STA. 3630+00		TO STA. 3649+00		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
• (1012, 1214, 1415, & 1517) RS-3				

STA. 3630+00

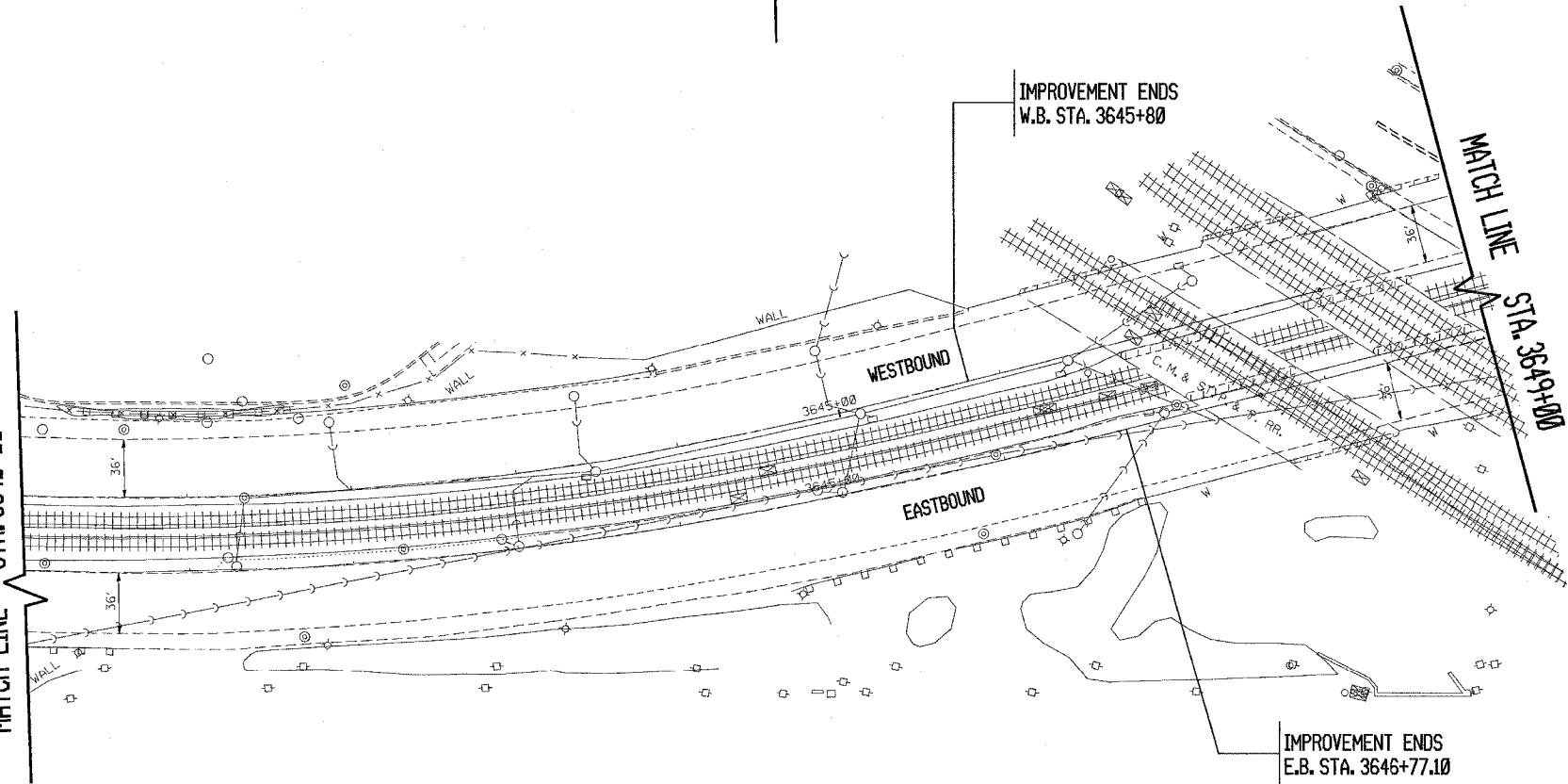
MATCH LINE



STA. 3640+00

MATCH LINE

MATCH LINE STA. 3640+00



MATCH LINE

STA. 3649+00

IMPROVEMENT ENDS  
W.B. STA. 3645+80

IMPROVEMENT ENDS  
E.B. STA. 3646+77.10

REVISIONS	
NAME	DATE

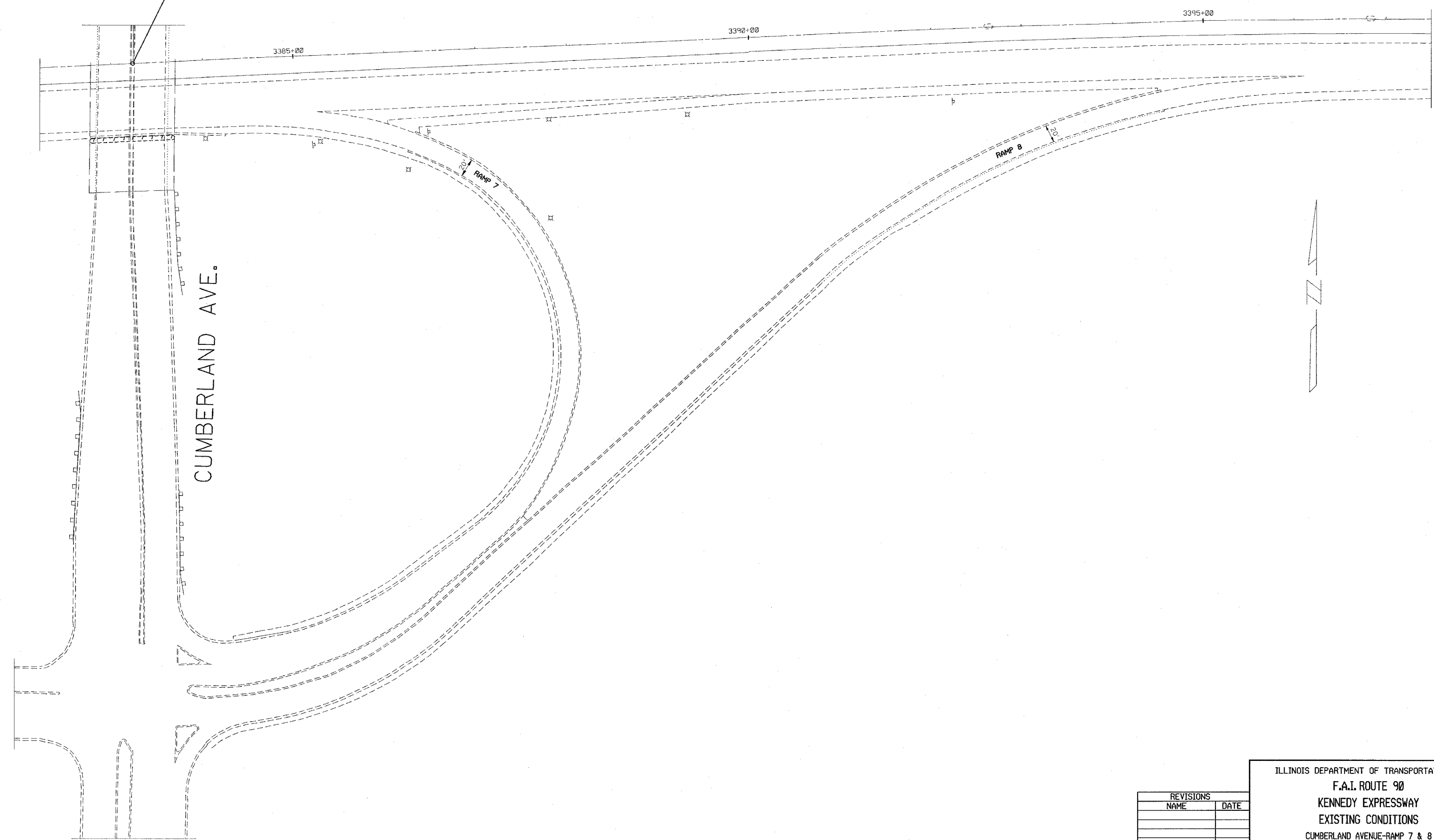
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90**  
**KENNEDY EXPRESSWAY**  
**EXISTING CONDITIONS**  
**STA. 3630+00 TO STA. 3649+00**

SCALE: HORIZ. SCALE IN FEET

DATE: ##DATE## DRAWN BY: CADD CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	25
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (1012, 1214, 1415, & 1517) RS-3				

KENNEDY EXPRESSWAY @ STA. 3383+24.29=  
 CUMBERLAND AVENUE @ STA. 117+77.80 (OVERHEAD)



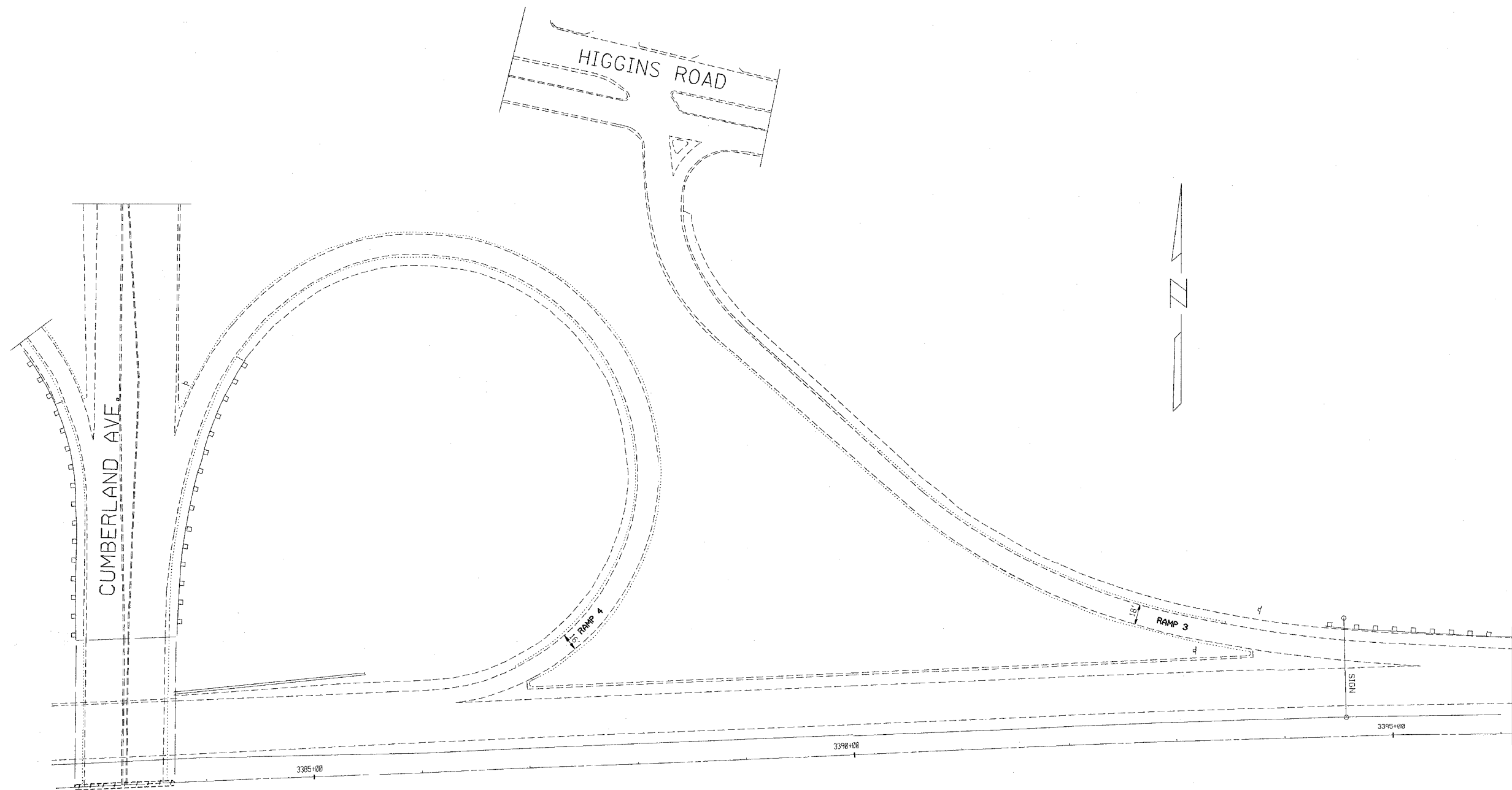
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90  
 KENNEDY EXPRESSWAY  
 EXISTING CONDITIONS  
 CUMBERLAND AVENUE-RAMP 7 & 8

SCALE: HORIZ. SCALE IN FEET

DATE: ##DATE## DRAWN BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	26
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		* (1012, 1214, 1415, & 1517) RS-3		



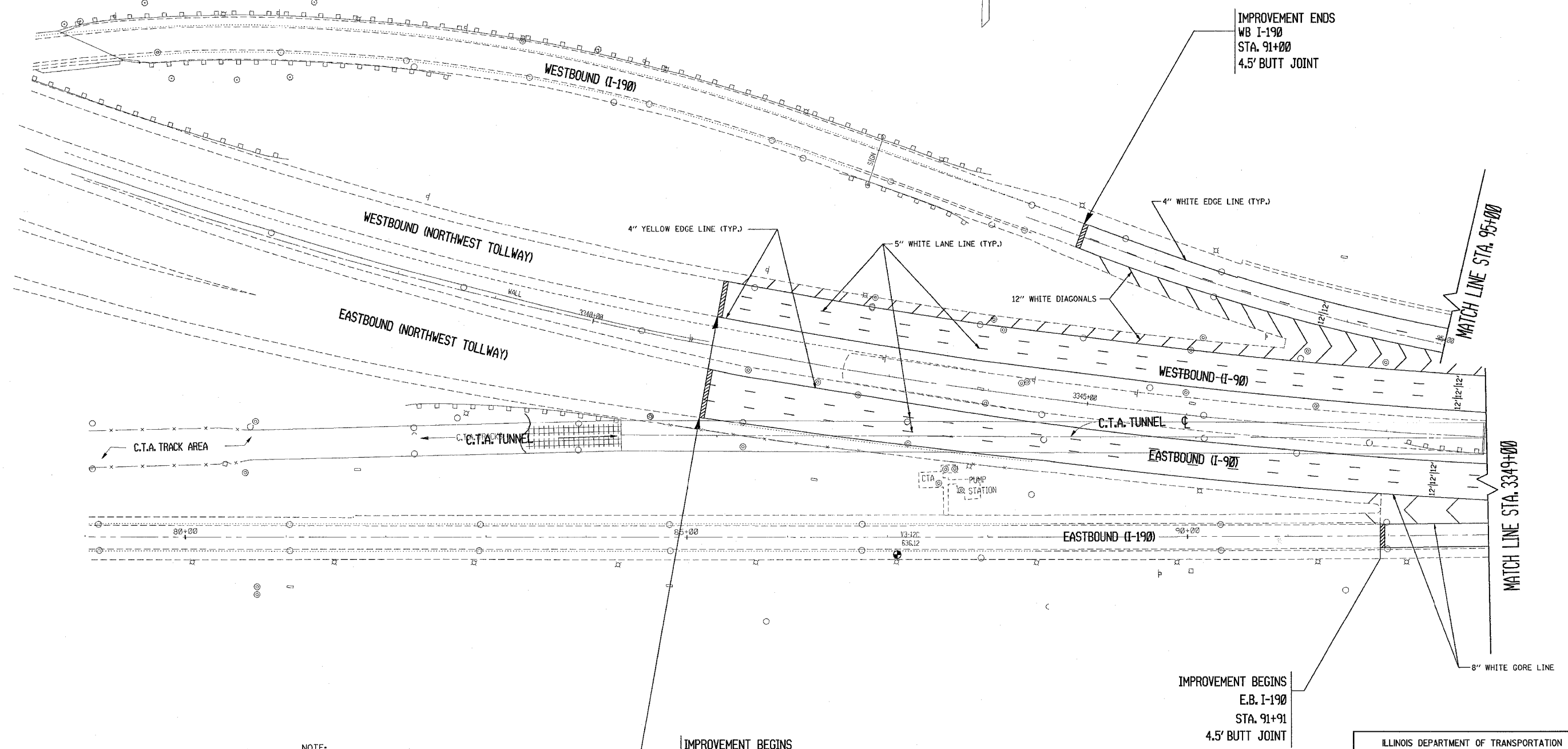
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90**  
**KENNEDY EXPRESSWAY**  
**EXISTING CONDITIONS**  
**CUMBERLAND AVENUE-RAMP 3 & 4**

SCALE: HORIZ. SCALE IN FEET

DATE ##DATE## DRAWN BY \_\_\_\_\_ CHECKED BY \_\_\_\_\_

CONTRACT NO. 62746				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	27
STA. 3339+33		TO STA. 3349+00		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
• (1012, 1214, 1415, & 1517) RS-3				



NOTE:  
SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER PAVEMENT MARKINGS.

IMPROVEMENT BEGINS  
STA. 3341+21  
E.B. & W.B.  
4.5' BUTT JOINT

IMPROVEMENT BEGINS  
E.B. I-190  
STA. 91+91  
4.5' BUTT JOINT

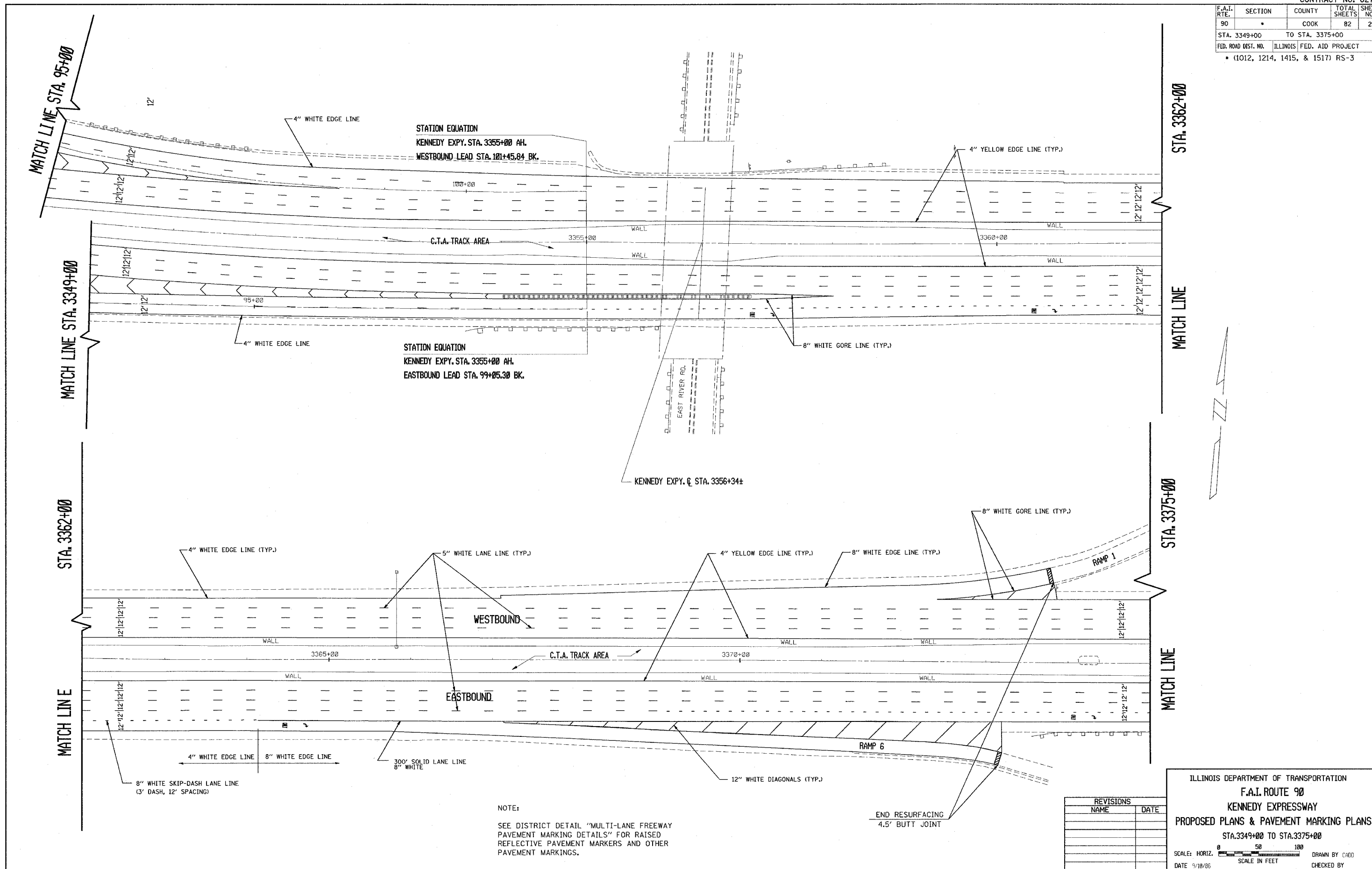
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90  
KENNEDY EXPRESSWAY  
PROPOSED PLANS & PAVEMENT MARKING PLANS  
STA. 3339+33 TO STA. 3349+00

SCALE: HORIZ. SCALE IN FEET  
DATE 5/2/2005 DRAWN BY C.L. CHECKED BY GAS

10-20CT-92 08/24/23  
ZF21110.016131317664.DGN  
LEVELS = 26212635

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	28
STA. 3349+00		TO STA. 3375+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• (1012, 1214, 1415, & 1517) RS-3				



NOTE:  
SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER PAVEMENT MARKINGS.

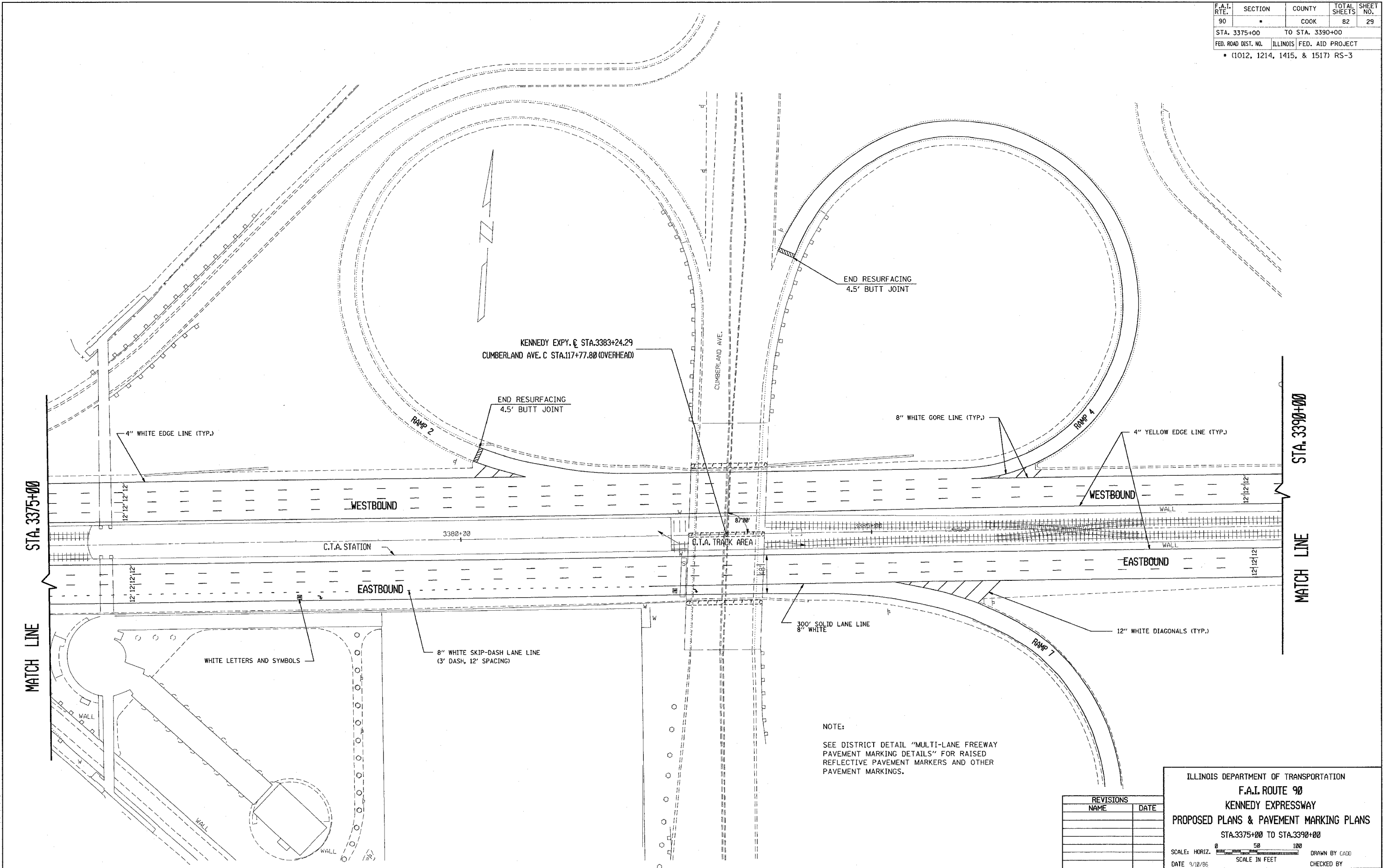
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90**  
**KENNEDY EXPRESSWAY**  
**PROPOSED PLANS & PAVEMENT MARKING PLANS**  
 STA. 3349+00 TO STA. 3375+00

SCALE: HORIZ. SCALE IN FEET  
 DATE 9/18/06 DRAWN BY CADD CHECKED BY



CONTRACT NO. 62746				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	29
STA. 3375+00		TO STA. 3390+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				



NOTE:  
SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER PAVEMENT MARKINGS.

REVISIONS	
NAME	DATE

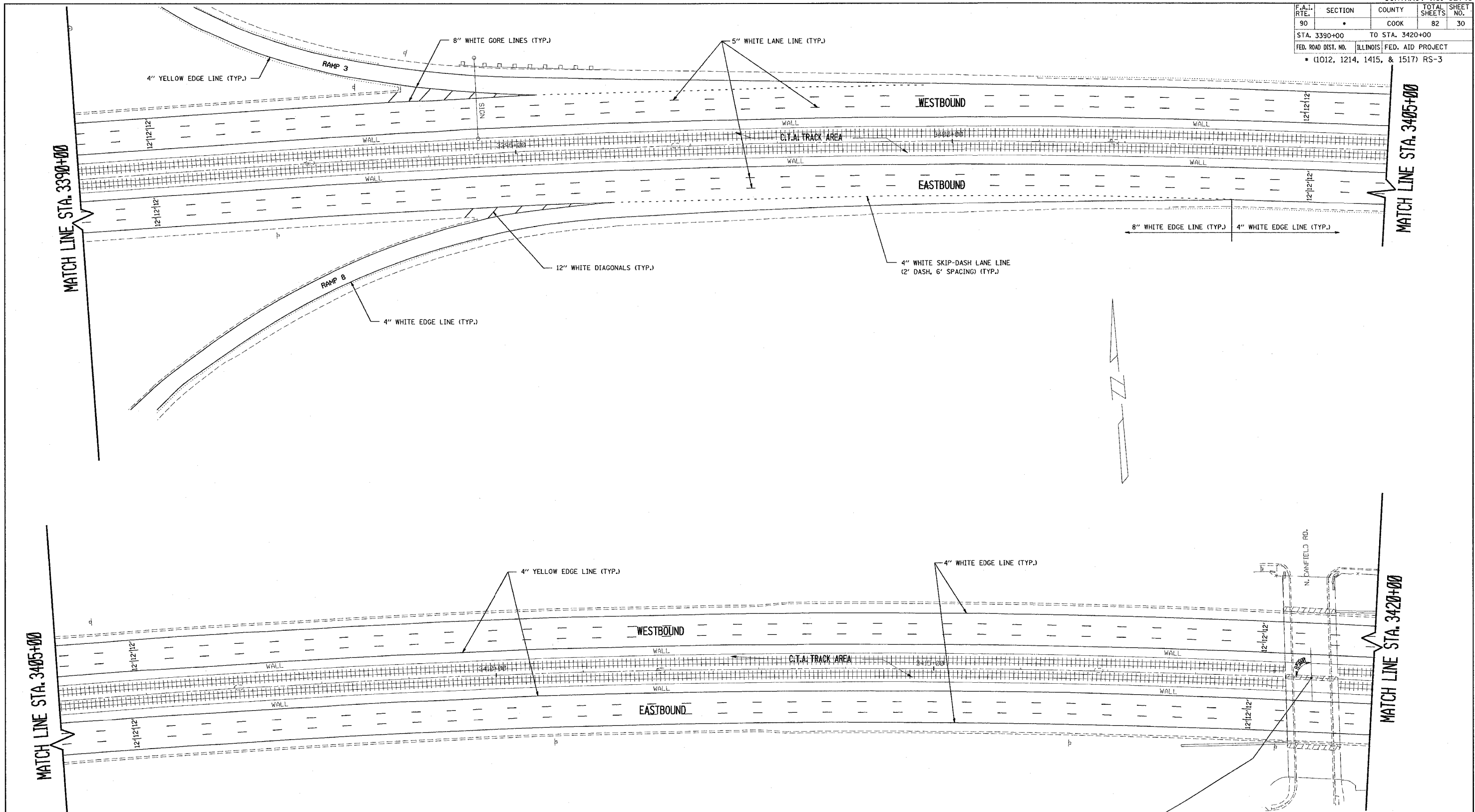
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90**  
**KENNEDY EXPRESSWAY**  
**PROPOSED PLANS & PAVEMENT MARKING PLANS**  
 STA. 3375+00 TO STA. 3390+00

SCALE: HORIZ. SCALE IN FEET  
 DATE 9/18/86 DRAWN BY CADD CHECKED BY

5/2/2005  
 Z:\PROJECTS\19000\19000.DWG  
 LEVITZIS = 3.6.27.28.35.38

5/2/2005  
 ci:\projects\19000\19000.m32

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	30
STA. 3390+00		TO STA. 3420+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1012, 1214, 1415, & 1517) RS-3				



NOTE:  
SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER PAVEMENT MARKINGS.

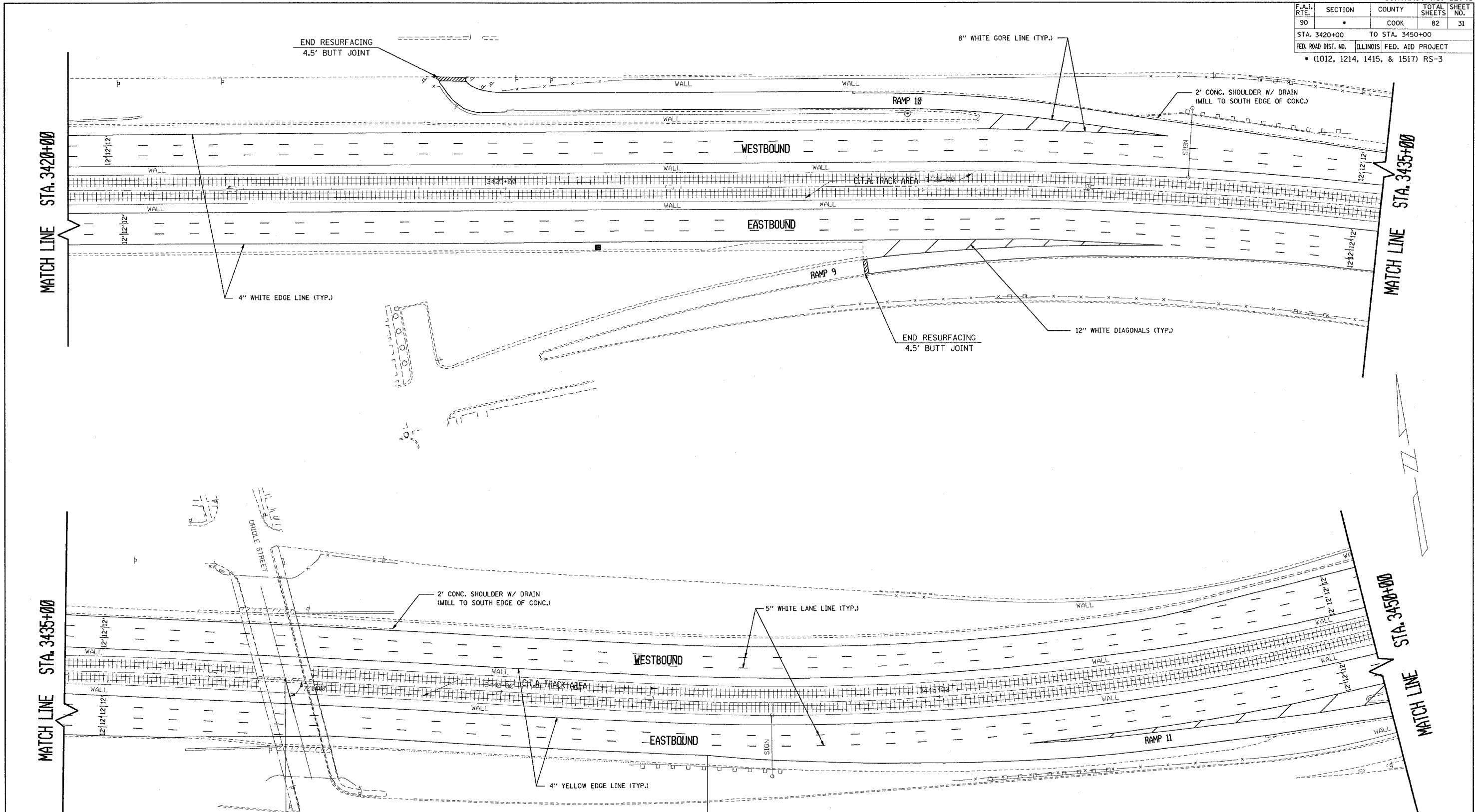
KENNEDY EXPY @ STA. 3419+29.33  
CANFIELD AVE @ STA. 7+99.98 (OVERHEAD)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90  
KENNEDY EXPRESSWAY  
PROPOSED PLANS & PAVEMENT MARKING PLANS  
STA. 3390+00 TO STA. 3420+00

SCALE: HORIZ. SCALE IN FEET  
DATE 9/10/86 DRAWN BY CADD CHECKED BY

CONTRACT NO. 62746				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	31
STA. 3420+00		TO STA. 3450+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				



KENNEDY EXPY. @ STA. 3437+50.20  
 N. ORIOLE AVE. @ STA. 8+00 (OVERHEAD)

NOTE:  
 SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER PAVEMENT MARKINGS.

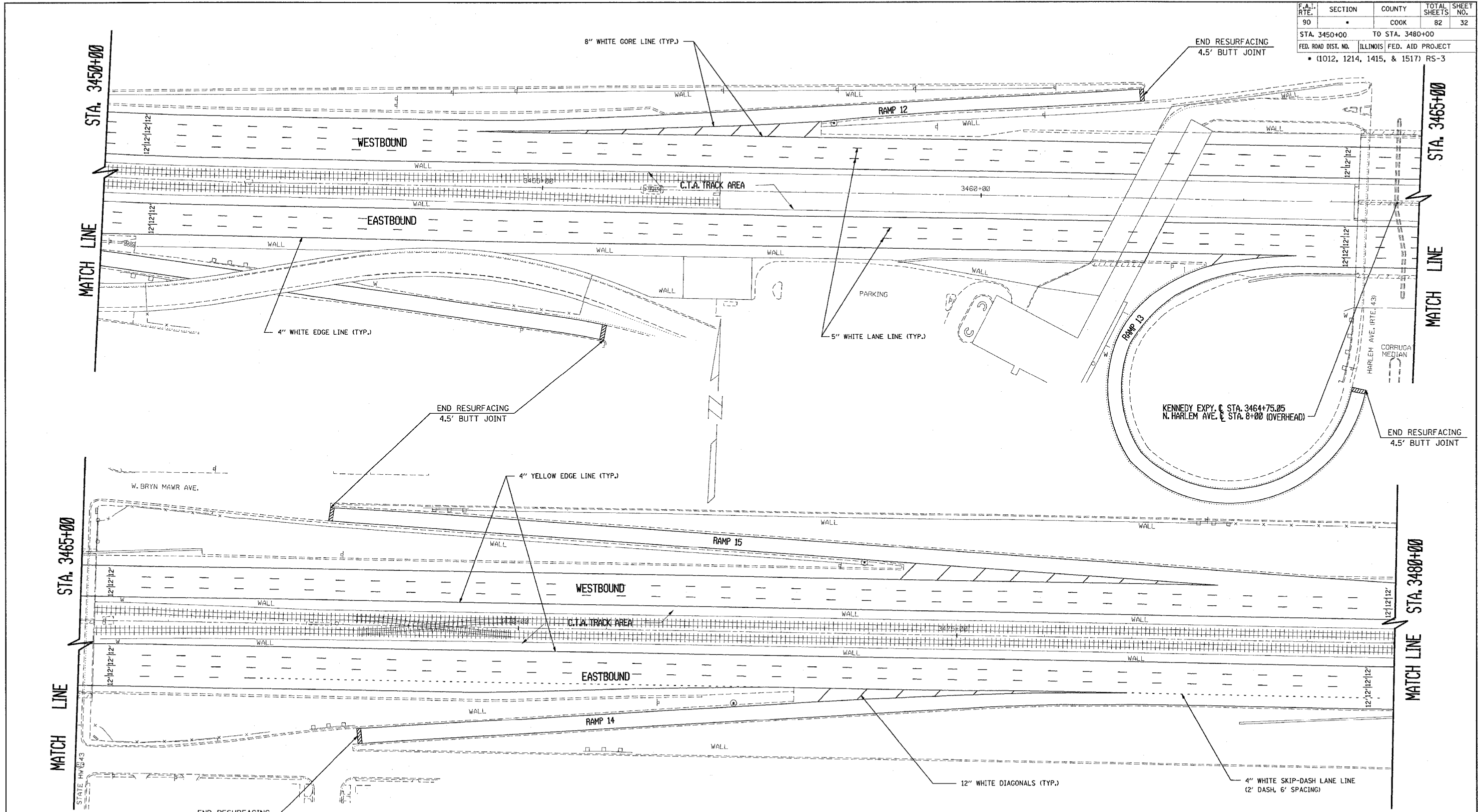
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90  
 KENNEDY EXPRESSWAY  
 PROPOSED PLANS & PAVEMENT MARKING PLANS  
 STA. 3420+00 TO STA. 3450+00

SCALE: HORIZ. 0 50 100  
 SCALE IN FEET

DATE 5/2/2005 DRAWN BY CAD00 CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	32
STA. 3450+00		TO STA. 3480+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• (1012, 1214, 1415, & 1517) RS-3				

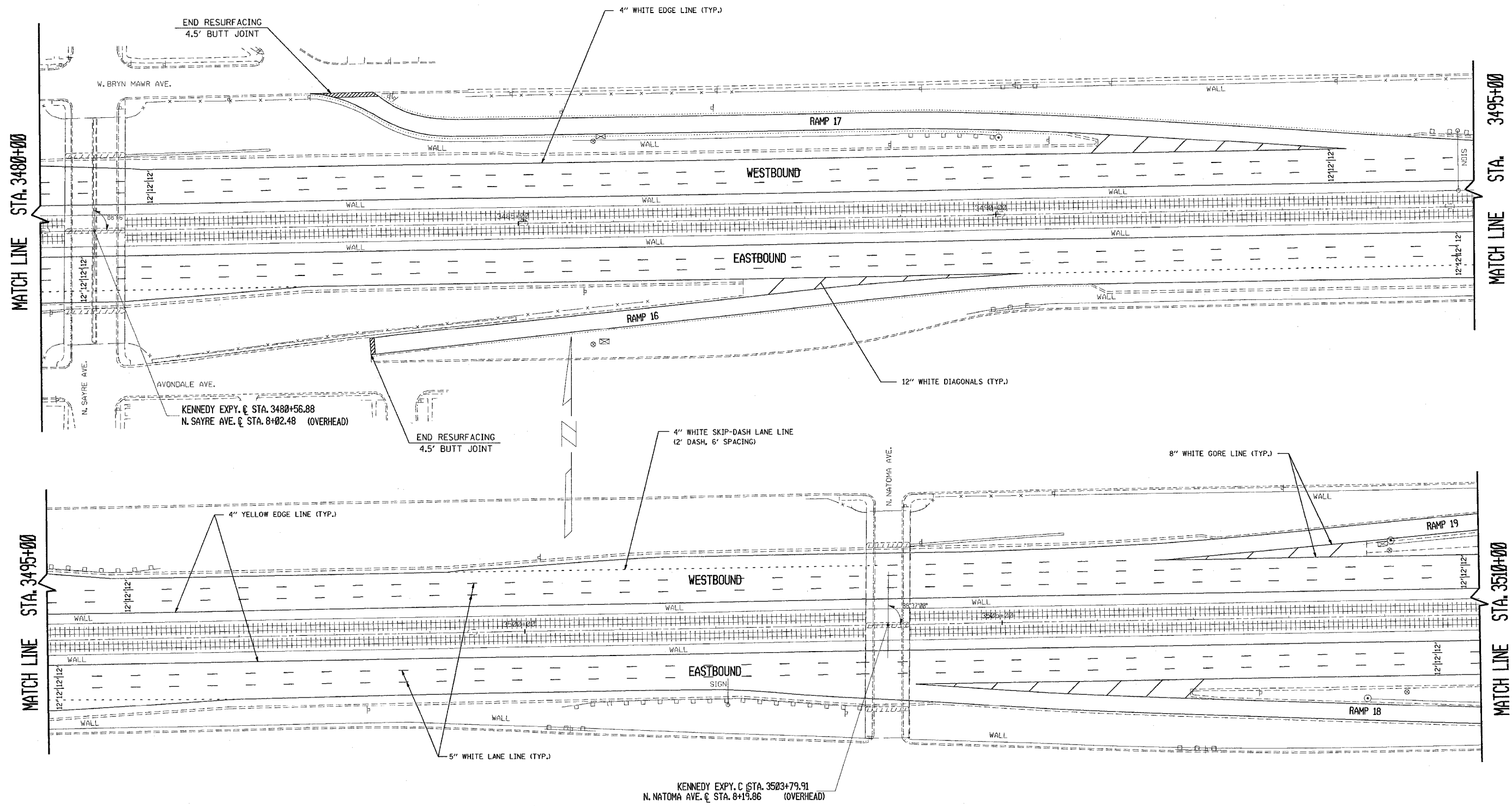


NOTE:  
SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER PAVEMENT MARKINGS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90  
KENNEDY EXPRESSWAY  
PROPOSED PLANS & PAVEMENT MARKING PLANS  
STA. 3450+00 TO STA. 3480+00  
SCALE: HORIZ. SCALE IN FEET  
DATE 5/2/2005 DRAWN BY CAD00 CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	33
STA. 3480+00		TO STA. 3510+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				



MATCH LINE STA. 3480+00

MATCH LINE STA. 3495+00

MATCH LINE STA. 3495+00

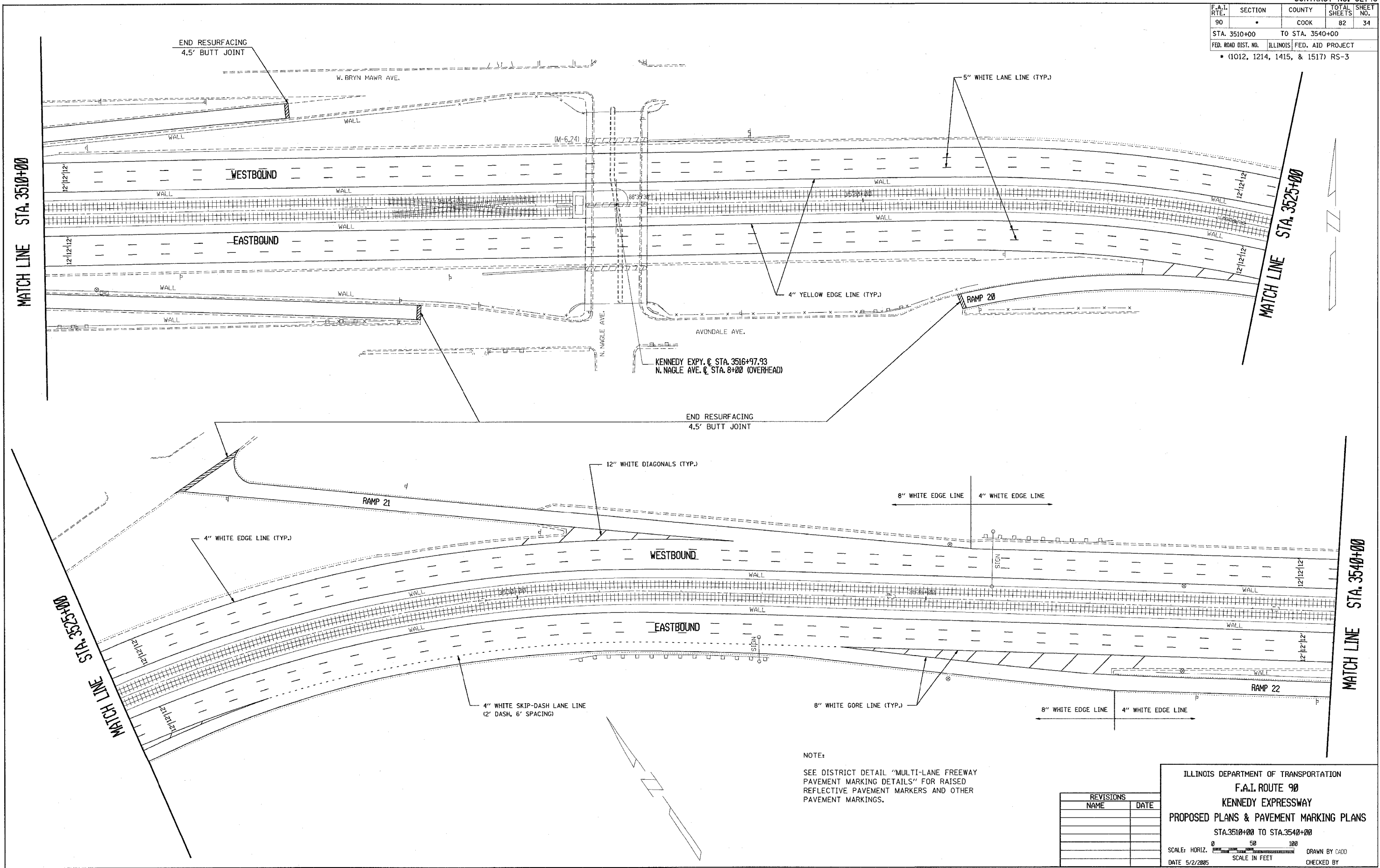
MATCH LINE STA. 3510+00

NOTE:  
SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER PAVEMENT MARKINGS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90**  
**KENNEDY EXPRESSWAY**  
**PROPOSED PLANS & PAVEMENT MARKING PLANS**  
 STA. 3480+00 TO STA. 3510+00  
 SCALE: HORIZ. 0 50 100  
 DATE 5/2/2005 SCALE IN FEET DRAWN BY CAD0 CHECKED BY

CONTRACT NO. 62746				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	34
STA. 3510+00		TO STA. 3540+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				



MATCH LINE STA. 3510+00

MATCH LINE STA. 3525+00

MATCH LINE STA. 3535+00

MATCH LINE STA. 3540+00

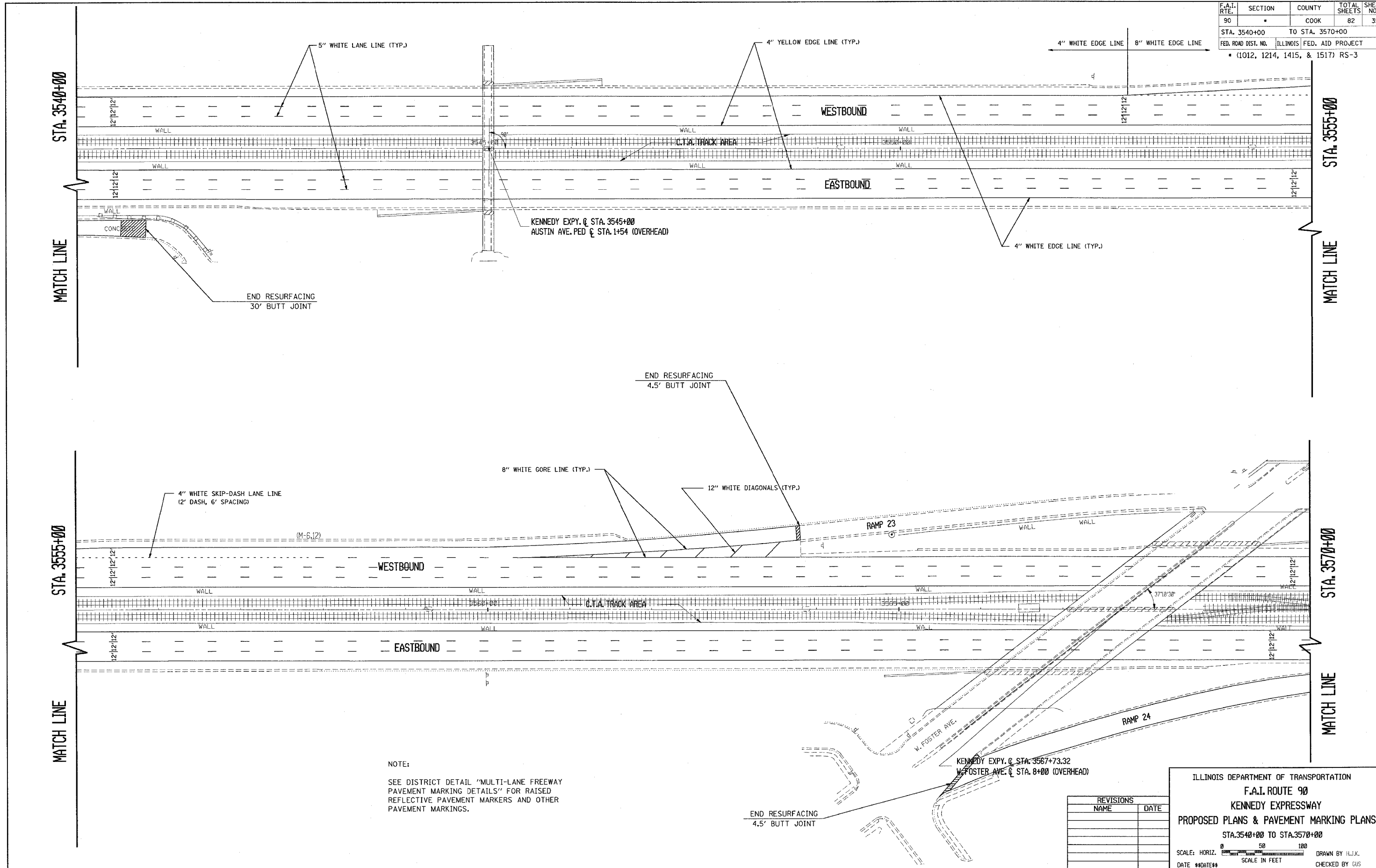
NOTE:  
SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER PAVEMENT MARKINGS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90**  
**KENNEDY EXPRESSWAY**  
**PROPOSED PLANS & PAVEMENT MARKING PLANS**  
 STA. 3510+00 TO STA. 3540+00

SCALE: HORIZ. SCALE IN FEET  
 DATE 5/2/2005 DRAWN BY CAD0 CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	35
STA. 3540+00		TO STA. 3570+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (1012, 1214, 1415, & 1517) RS-3				



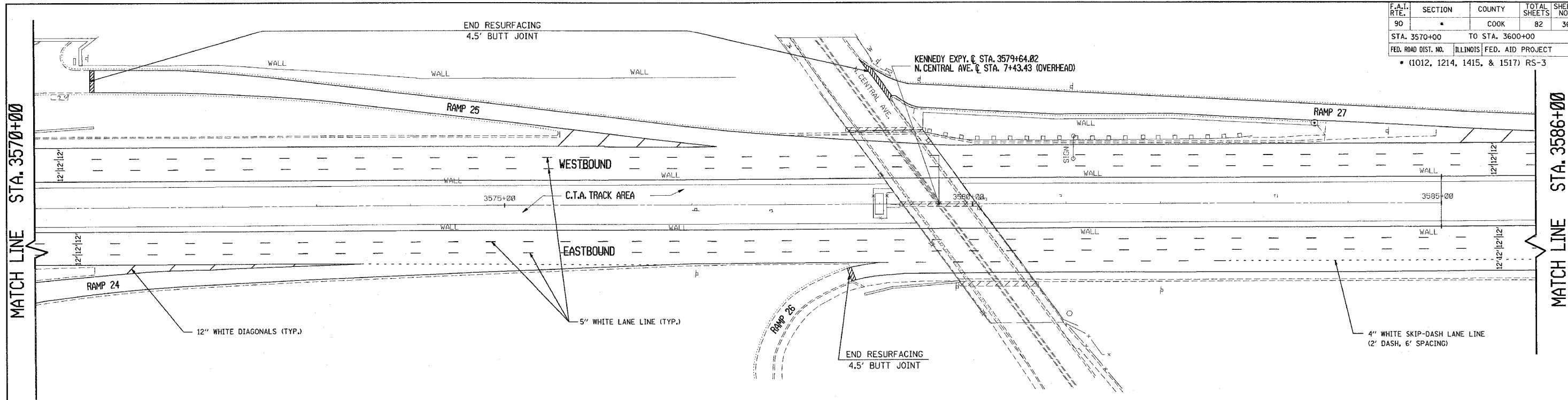
NOTE:

SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER PAVEMENT MARKINGS.

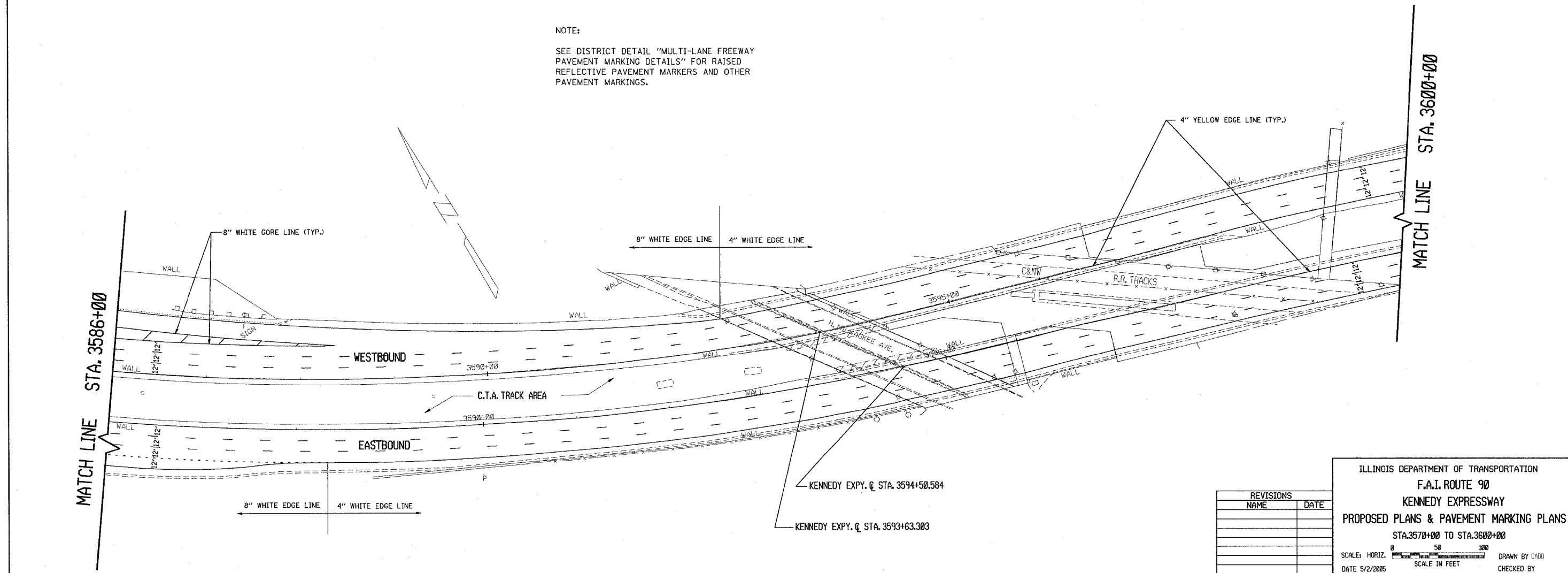
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90**  
**KENNEDY EXPRESSWAY**  
**PROPOSED PLANS & PAVEMENT MARKING PLANS**  
 STA. 3540+00 TO STA. 3570+00  
 SCALE: HORIZ. 0 50 100  
 SCALE IN FEET  
 DATE \*\*DATE\*\* DRAWN BY H.J.K. CHECKED BY GUS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	36
STA. 3570+00		TO STA. 3600+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				



NOTE:  
SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER PAVEMENT MARKINGS.

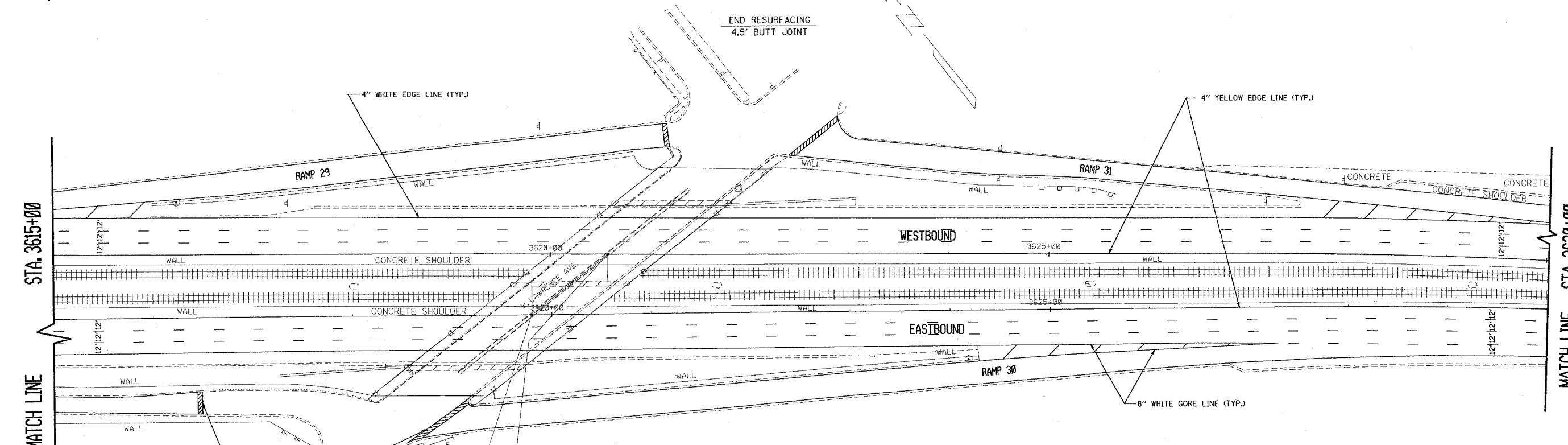
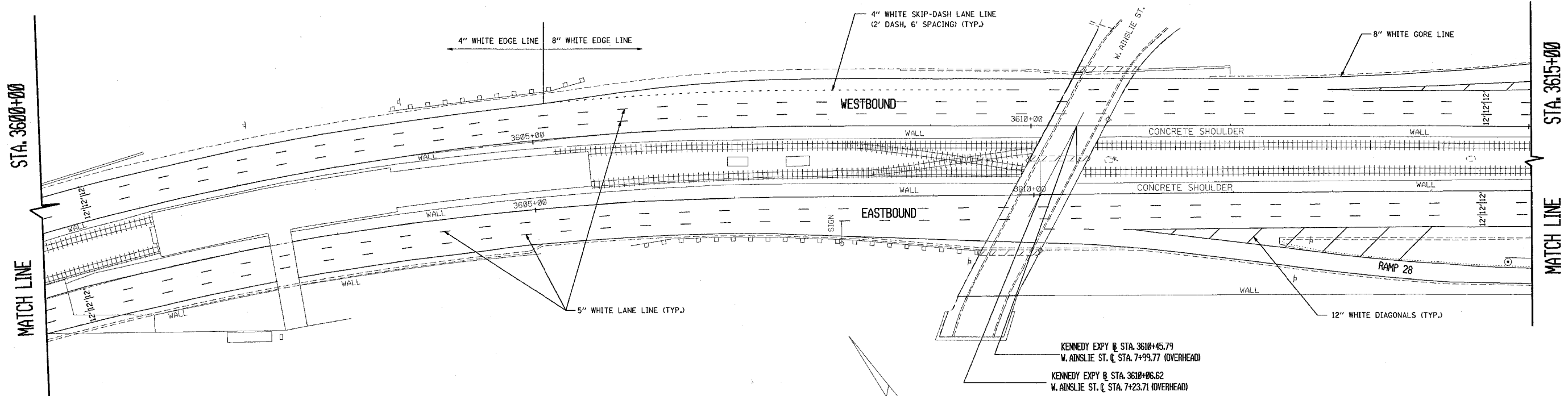


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90**  
**KENNEDY EXPRESSWAY**  
**PROPOSED PLANS & PAVEMENT MARKING PLANS**  
 STA. 3570+00 TO STA. 3600+00  
 SCALE: HORIZ. 1" = 50'  
 DATE 5/2/2005 SCALE IN FEET DRAWN BY CADD CHECKED BY



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	37
STA. 3600+00		TO STA. 3630+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				

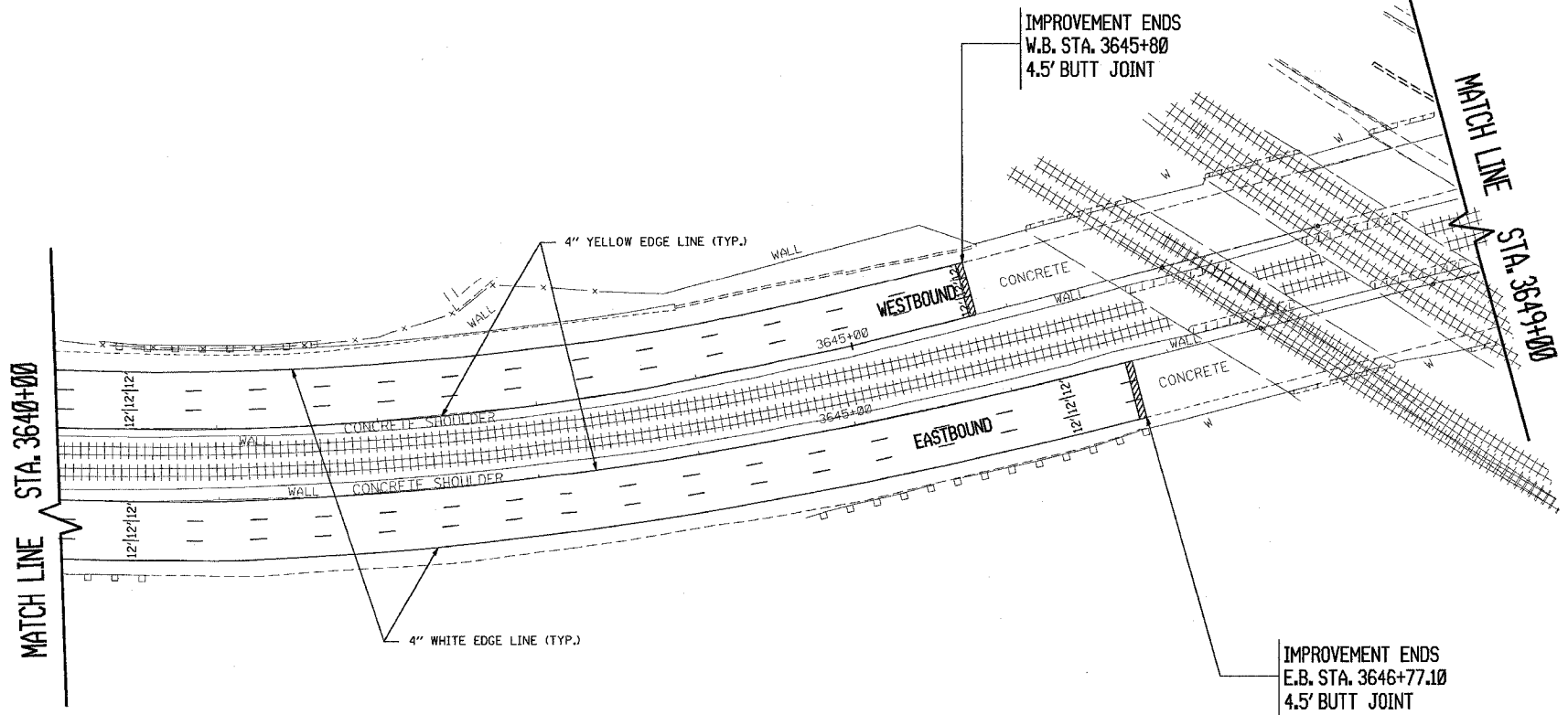
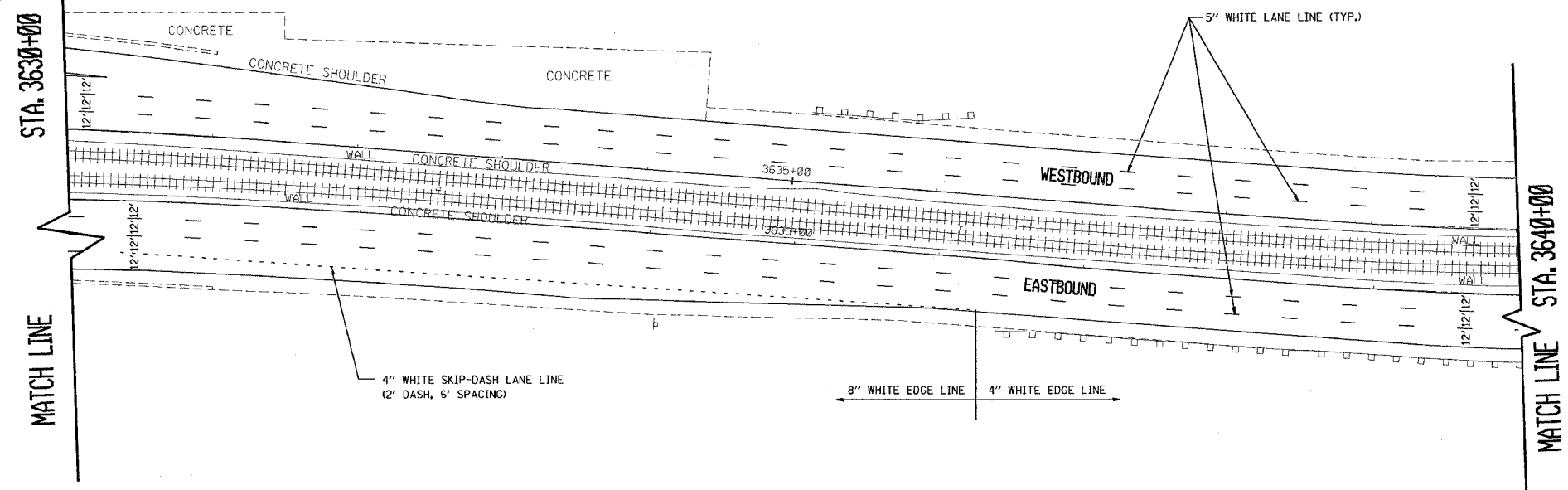


NOTES:  
 NO MILLING OR RESURFACING OF EXISTING MEDIAN SHOULDER STA. 3610+38 TO STA. 3646+77.10 (E.B. & W.B.)  
 SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER PAVEMENT MARKINGS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90  
 KENNEDY EXPRESSWAY  
 PROPOSED PLANS & PAVEMENT MARKING PLANS  
 STA. 3600+00 TO STA. 3630+00  
 SCALE: HORIZ. 0 50 100  
 DATE 5/2/2005 SCALE IN FEET DRAWN BY CAD0 CHECKED BY

CONTRACT NO. 62746				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	42	38
STA. 3630+00		TO STA. 3649+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				



NOTES:

NO MILLING OR RESURFACING OF EXISTING MEDIAN SHOULDER STA. 3610+38 TO STA. 3646+77.10 (E.B. & W.B.)

SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER PAVEMENT MARKINGS.

REVISIONS	
NAME	DATE

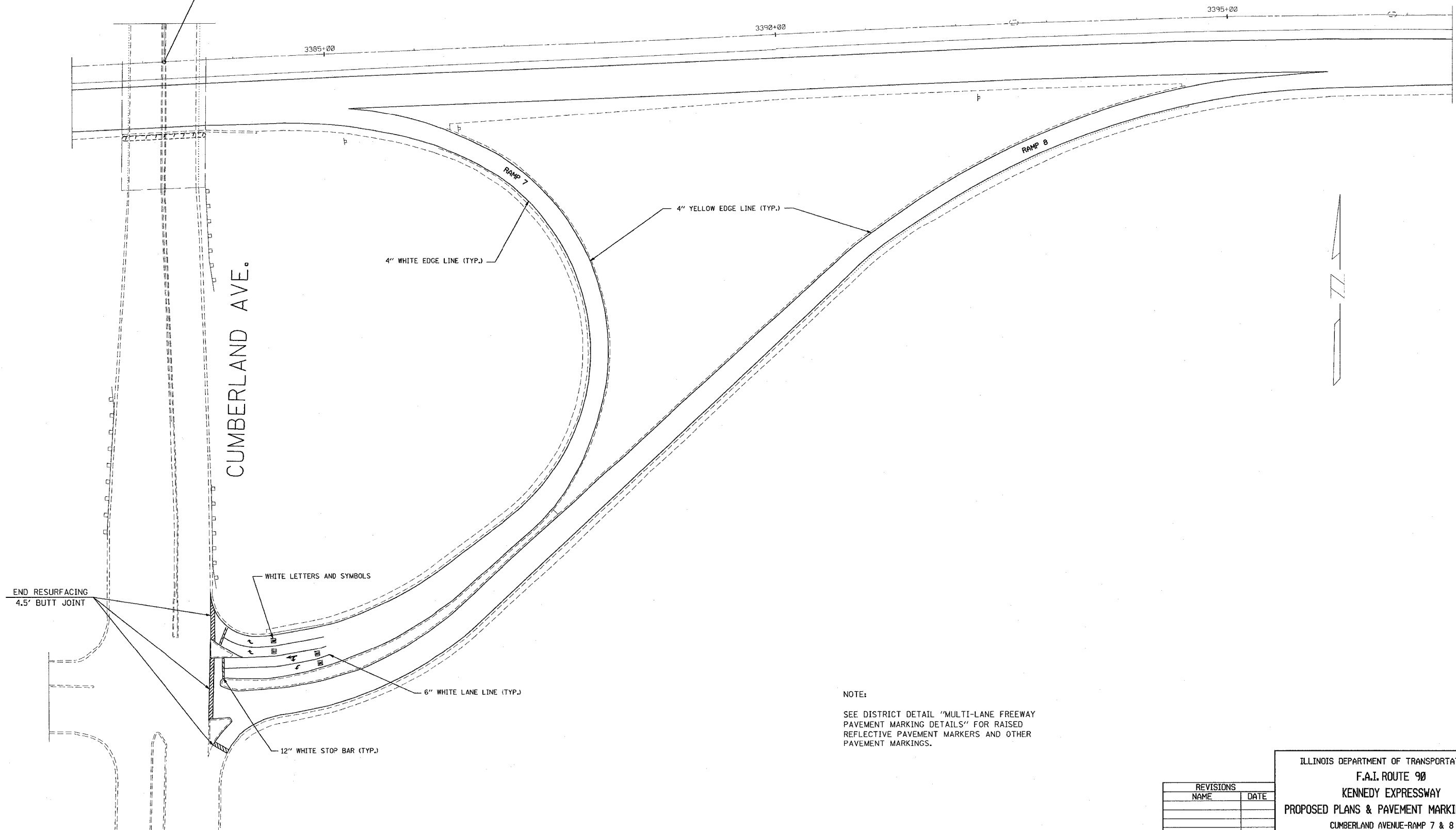
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90  
 KENNEDY EXPRESSWAY  
 PROPOSED PLANS & PAVEMENT MARKING PLANS  
 STA. 3630+00 TO STA. 3649+00

SCALE: HORIZ. SCALE IN FEET

DATE ##DATE## DRAWN BY CAD0 CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	39
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		• (1012, 1214, 1415, & 1517) RS-3		

KENNEDY EXPRESSWAY  $\phi$  STA. 3383+24.29=  
CUMBERLAND AVENUE  $\phi$  STA. 117+77.80 (OVERHEAD)



NOTE:  
SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER PAVEMENT MARKINGS.

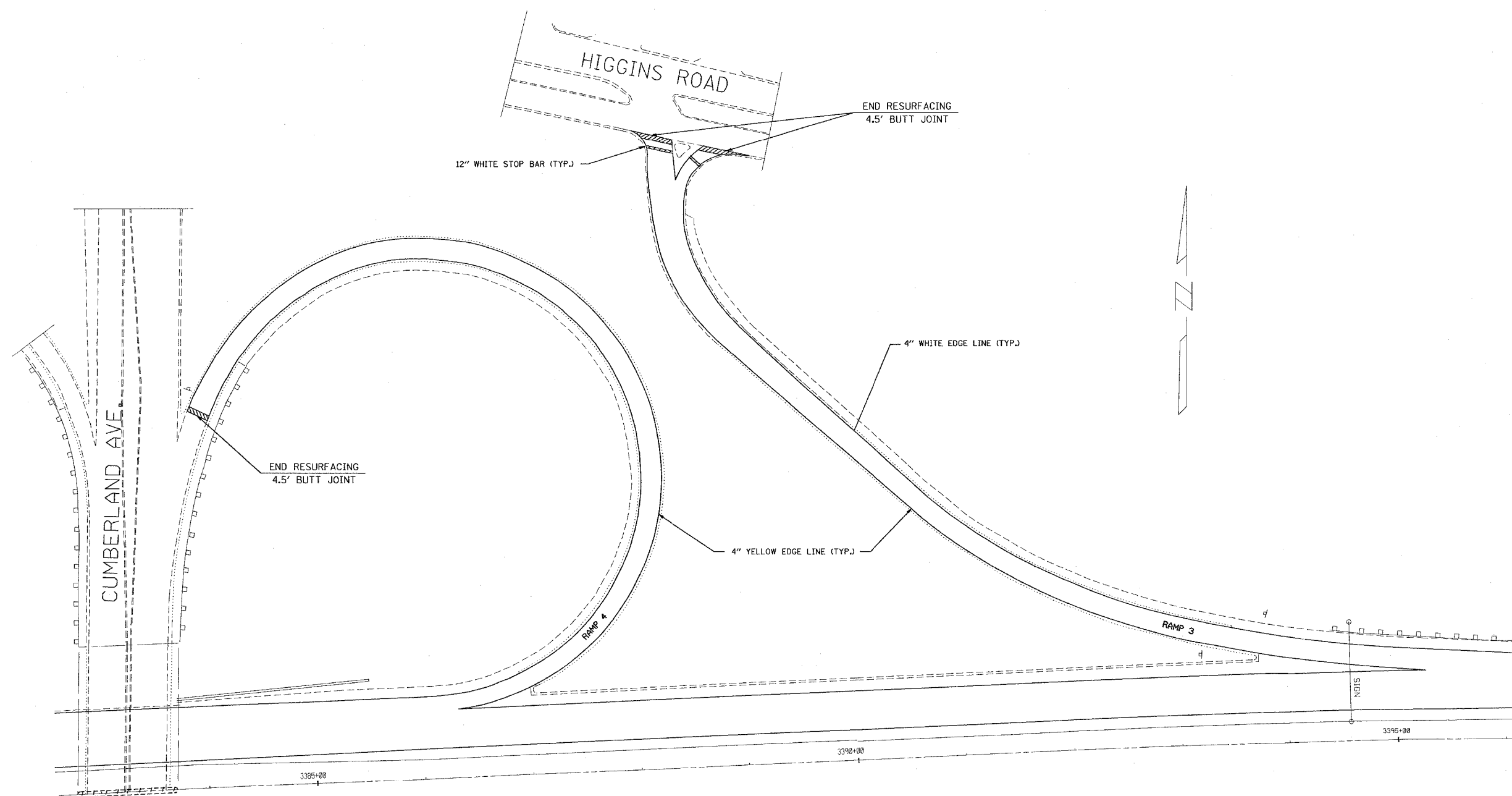
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90  
KENNEDY EXPRESSWAY  
PROPOSED PLANS & PAVEMENT MARKING PLANS  
CUMBERLAND AVENUE-RAMP 7 & 8

SCALE: HORIZ. SCALE IN FEET

DATE ##DATE## DRAWN BY \_\_\_\_\_ CHECKED BY \_\_\_\_\_

REVISIONS	
NAME	DATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	40
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1012, 1214, 1415, & 1517) RS-3				



NOTE:  
SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER PAVEMENT MARKINGS.

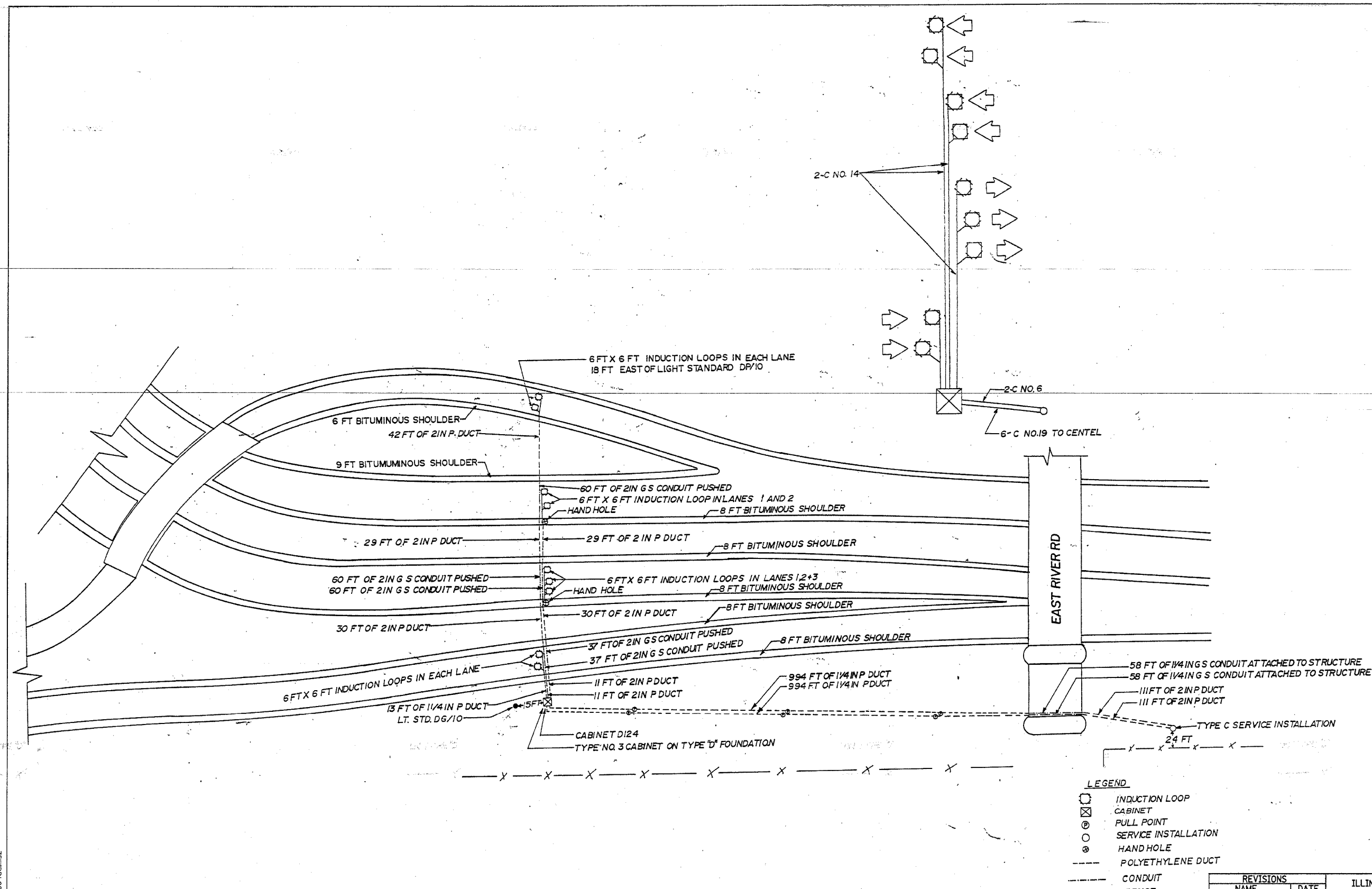
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90**  
**KENNEDY EXPRESSWAY**  
**PROPOSED PLANS & PAVEMENT MARKING PLANS**  
**RAMP 3 & 4**

SCALE: HORIZ. SCALE IN FEET  
 DATE ##DATE## DRAWN BY \_\_\_\_\_ CHECKED BY \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	41
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				

62746



- LEGEND**
- INDUCTION LOOP
  - ⊠ CABINET
  - ⊙ PULL POINT
  - ⊙ SERVICE INSTALLATION
  - ⊙ HAND HOLE
  - POLYETHYLENE DUCT
  - CONDUIT
  - X- FENCE

REVISIONS	
NAME	DATE

FOR INFORMATION ONLY

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 90  
KENNEDY EXPRESSWAY  
INDUCTION LOOP PLANS  
EAST RIVER ROAD

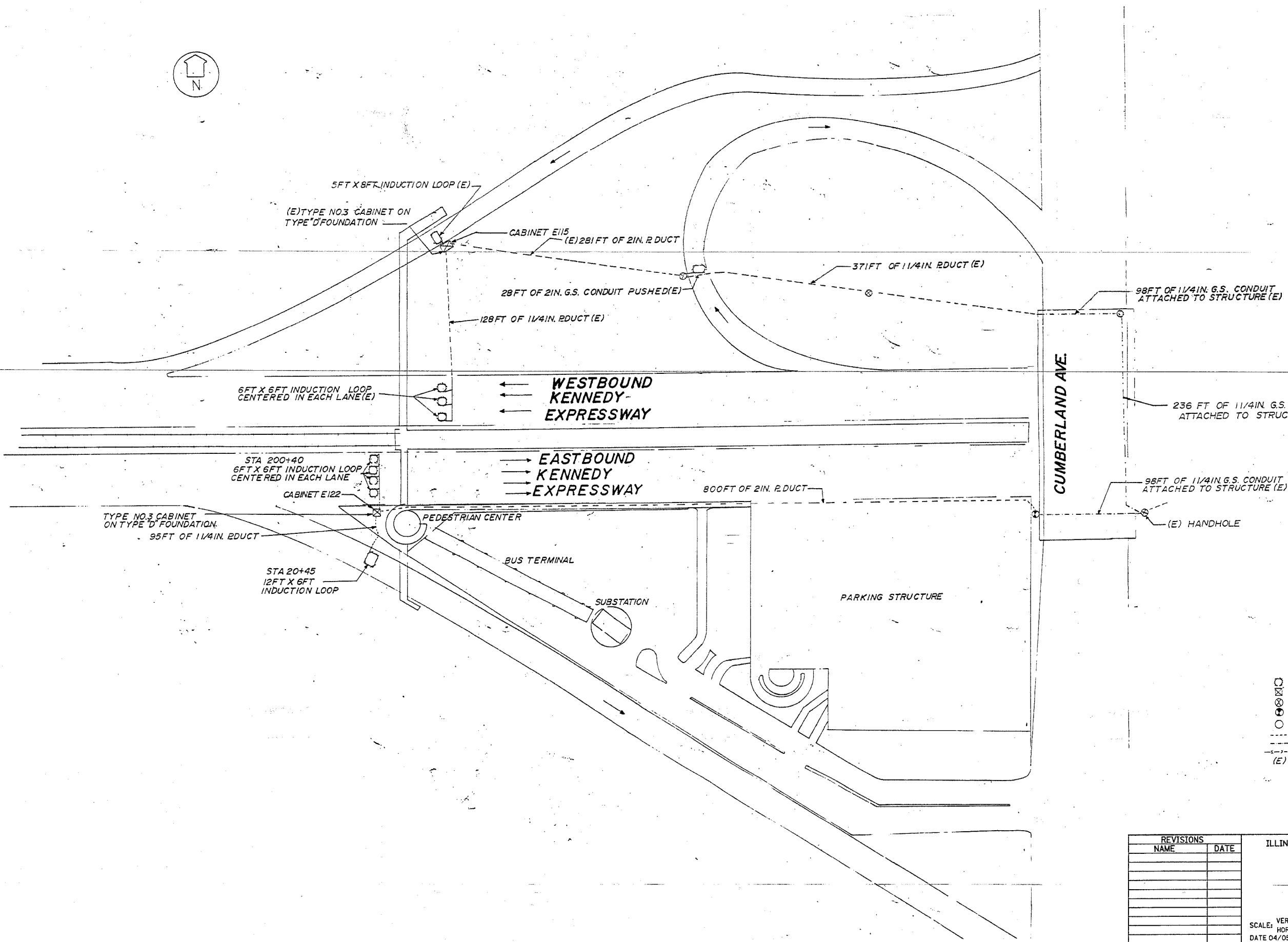
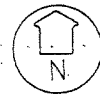
SCALE: VERT. NONE  
HORIZ. DATE 04/05/2004

DRAWN BY  
CHECKED BY

5:18 04/05/2004  
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	42
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				

62746



**LEGEND**

- INDUCTION LOOP
- ▣ CABINET
- ⊗ HANDHOLE
- ⊕ HEAVY DUTY HANDHOLE
- SERVICE INSTALLATION
- DUCT
- CONDUIT
- - - FENCE
- (E) EXISTING

FOR INFORMATION ONLY

SHEET 1 of 2

REVISIONS	
NAME	DATE

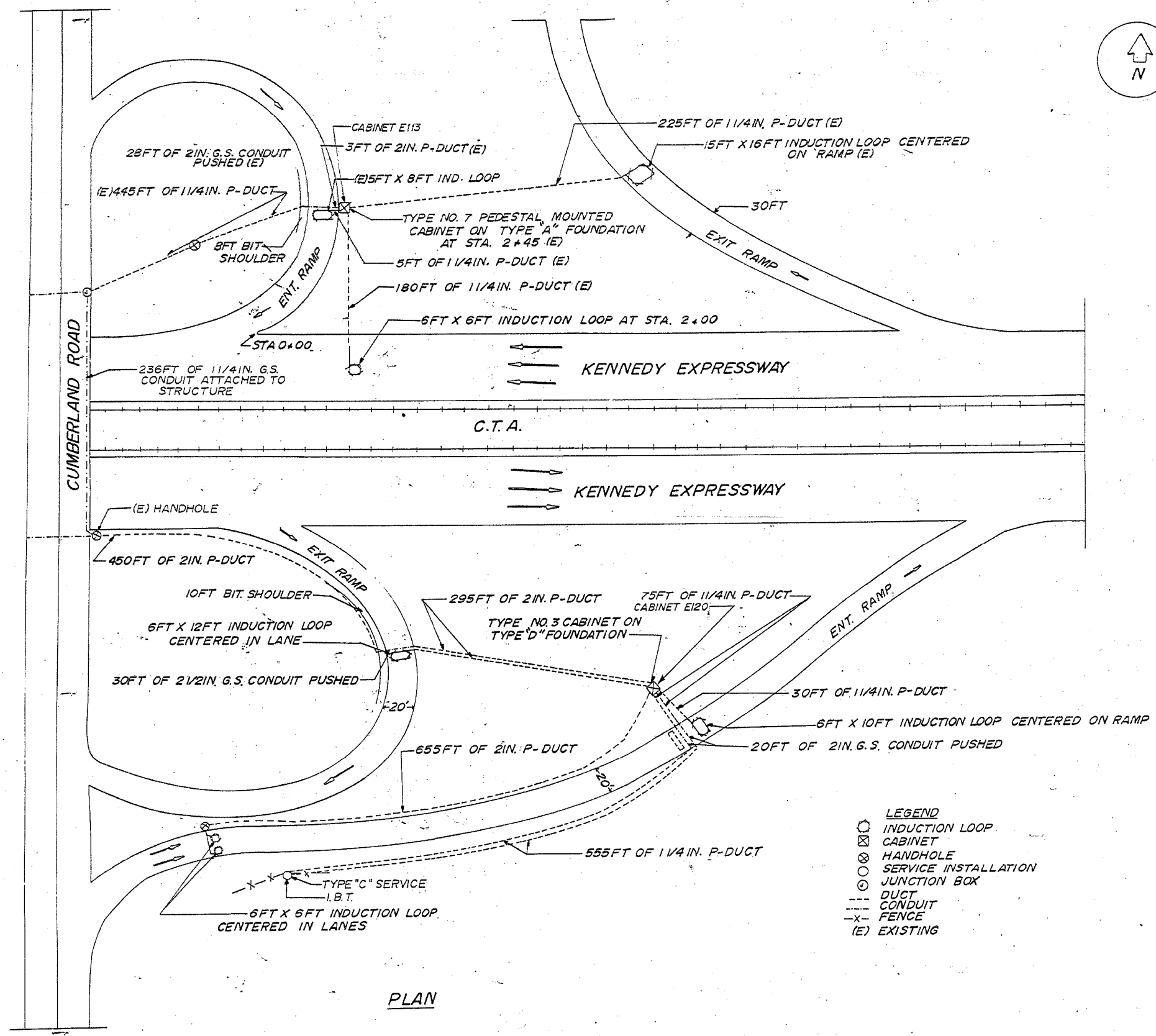
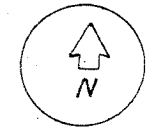
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90  
KENNEDY EXPRESSWAY  
INDUCTION LOOP PLANS  
CUMBERLAND AVENUE**

SCALE: VERT. NONE  
HORIZ. NONE  
DATE 04/05/2004  
DRAWN BY  
CHECKED BY

04/05/2004  
c:\p\project\12080\12080.dwg

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	43
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS		
		FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				

62746



- LEGEND**
- INDUCTION LOOP
  - ⊗ CABINET
  - ⊙ HANDHOLE
  - ⊕ SERVICE INSTALLATION
  - ⊙ JUNCTION BOX
  - DUCT
  - - - CONDUIT
  - X- FENCE
  - (E) EXISTING

FOR INFORMATION ONLY

**PLAN**

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 90  
KENNEDY EXPRESSWAY  
INDUCTION LOOP PLANS  
CUMBERLAND AVENUE

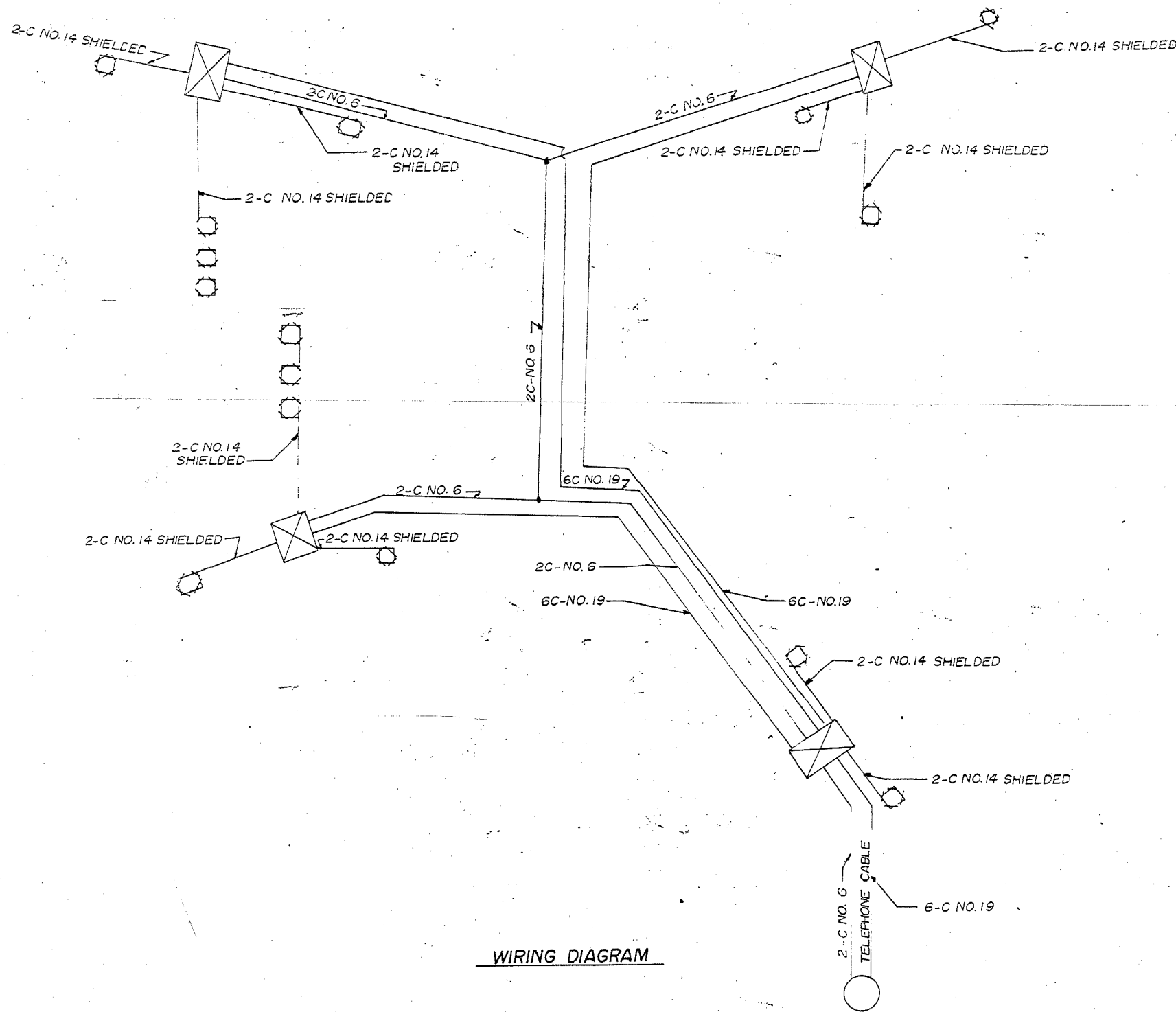
SCALE: VERT. NONE  
HORIZ. DATE 04/05/2004

DRAWN BY  
CHECKED BY

SHEET 2 OF 2

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	Sheet No.
90		COOK	82	44
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				

62746



WIRING DIAGRAM

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90  
 KENNEDY EXPRESSWAY  
 INDUCTION LOOP PLANS  
 CUMBERLAND AVENUE  
 SCALE: VERT. NONE  
 HORIZ. DATE 04/05/2004  
 DRAWN BY  
 CHECKED BY

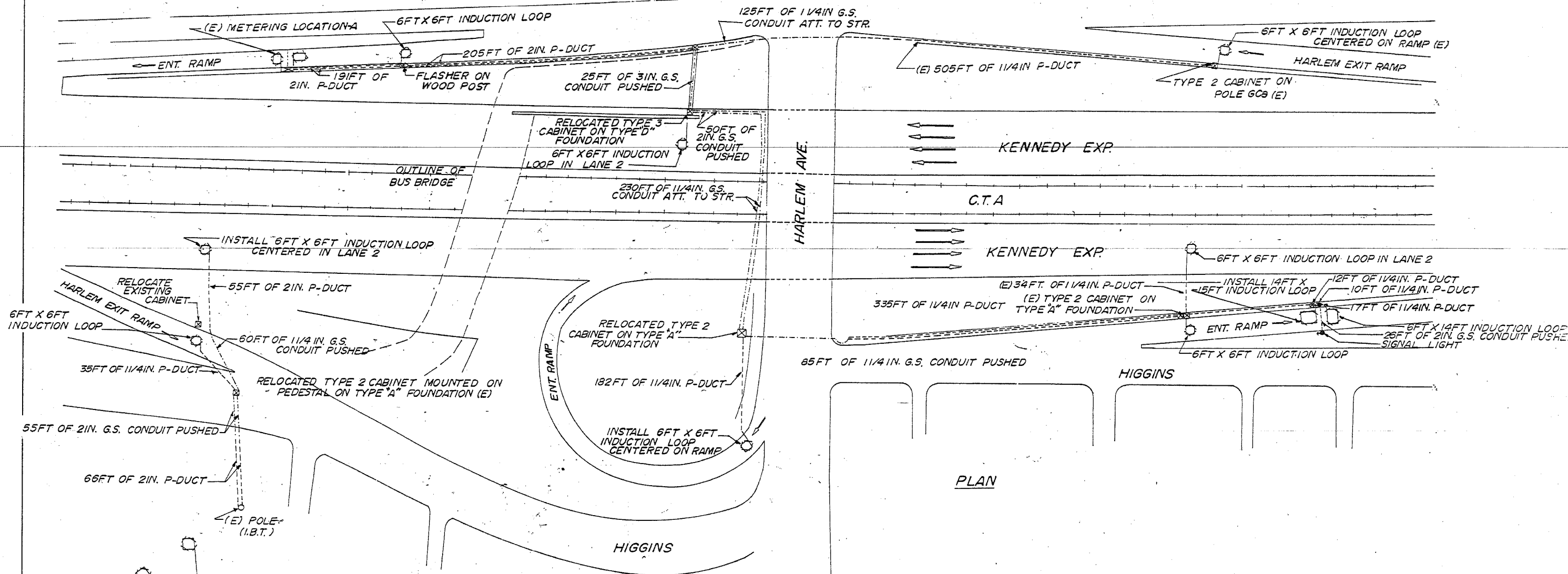
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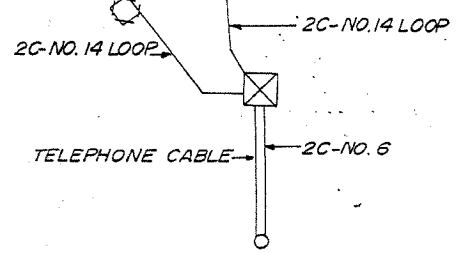


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	46
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				

62746



PLAN



WIRING DIAGRAM

**LEGEND**  
INDUCTION LOOP  
CABINET  
HANDHOLE  
SERVICE INSTALLATION  
DUCT  
CONDUIT  
FLASHER  
METERING SIGNAL  
FENCE  
(E) EXISTING

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

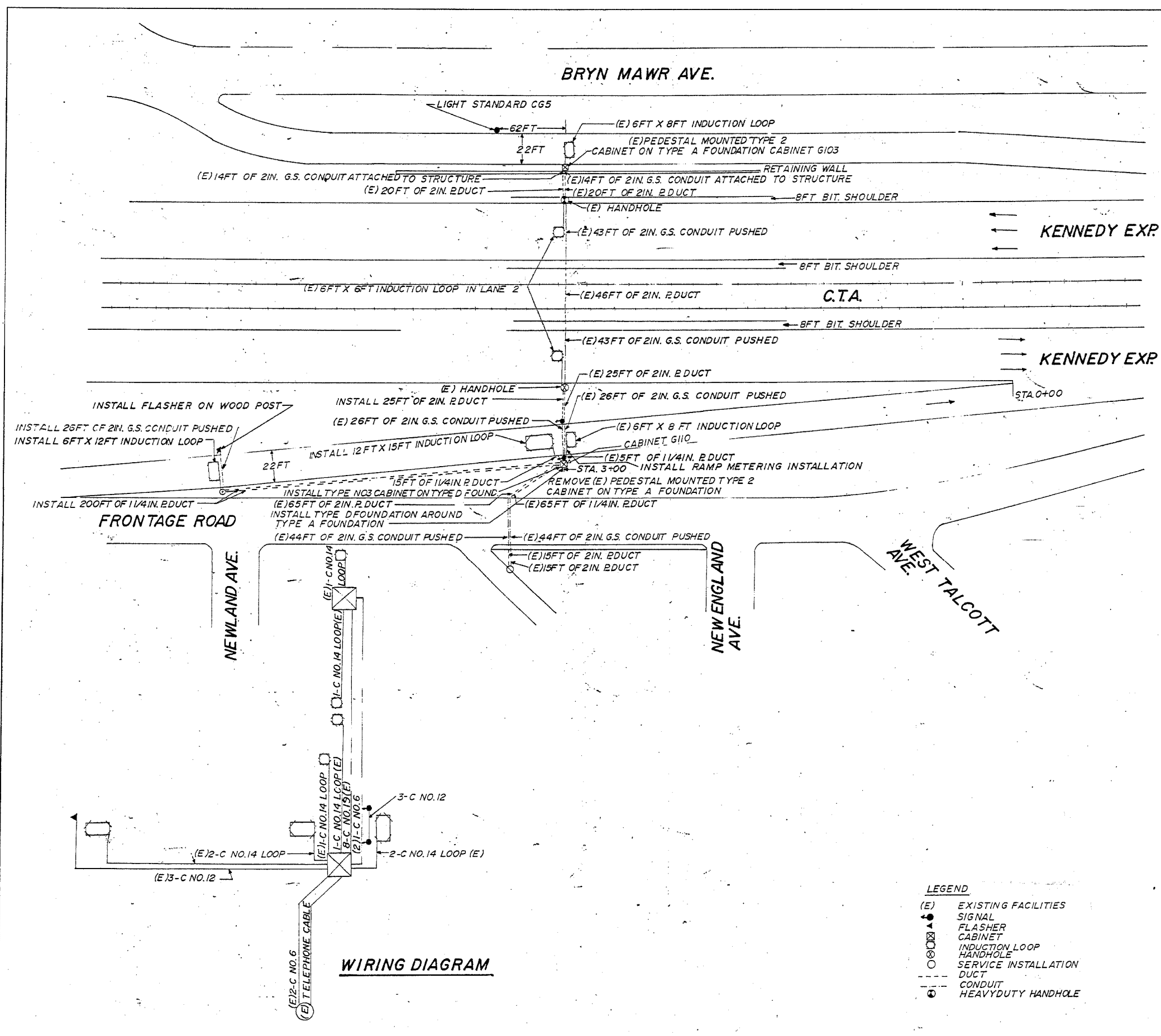
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90  
KENNEDY EXPRESSWAY  
INDUCTION LOOP PLANS  
HARLEM AVENUE

SCALE: VERT. NONE  
HORIZ. DATE 04/05/2004  
DRAWN BY  
CHECKED BY

16:42 04/05/2004  
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04/05/2004  
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	47
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				

62746



- LEGEND**
- (E) EXISTING FACILITIES
  - SIGNAL
  - ◆ FLASHER
  - CABINET
  - INDUCTION LOOP
  - HANDHOLE
  - SERVICE INSTALLATION
  - DUCT
  - CONDUIT
  - HEAVY DUTY HANDHOLE

FOR INFORMATION ONLY

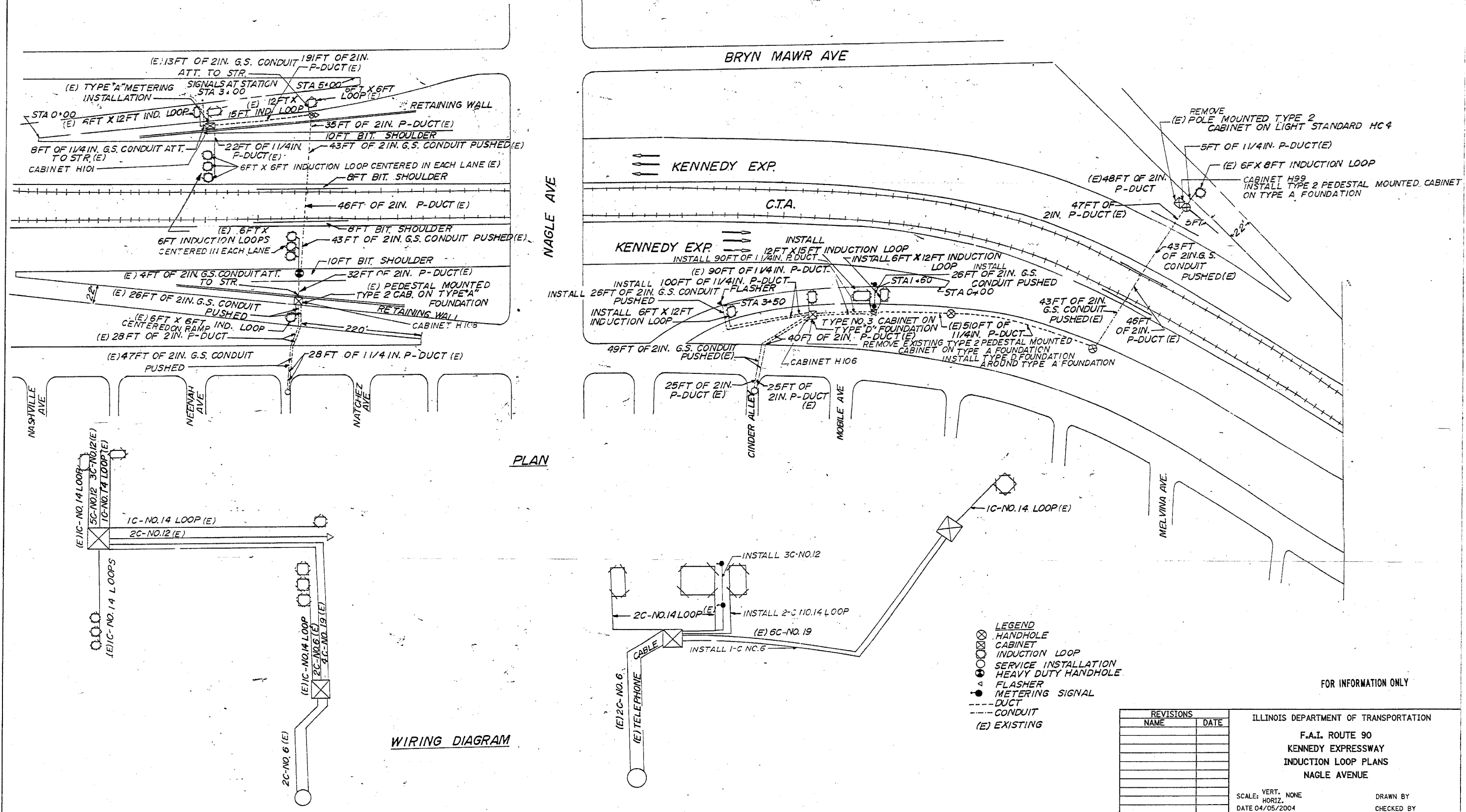
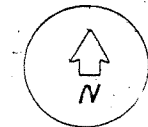
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>F.A.I. ROUTE 90 KENNEDY EXPRESSWAY INDUCTION LOOP PLANS SAYRE AVENUE</b>

SCALE: VERT. NONE  
 DATE 04/05/2004  
 DRAWN BY  
 CHECKED BY

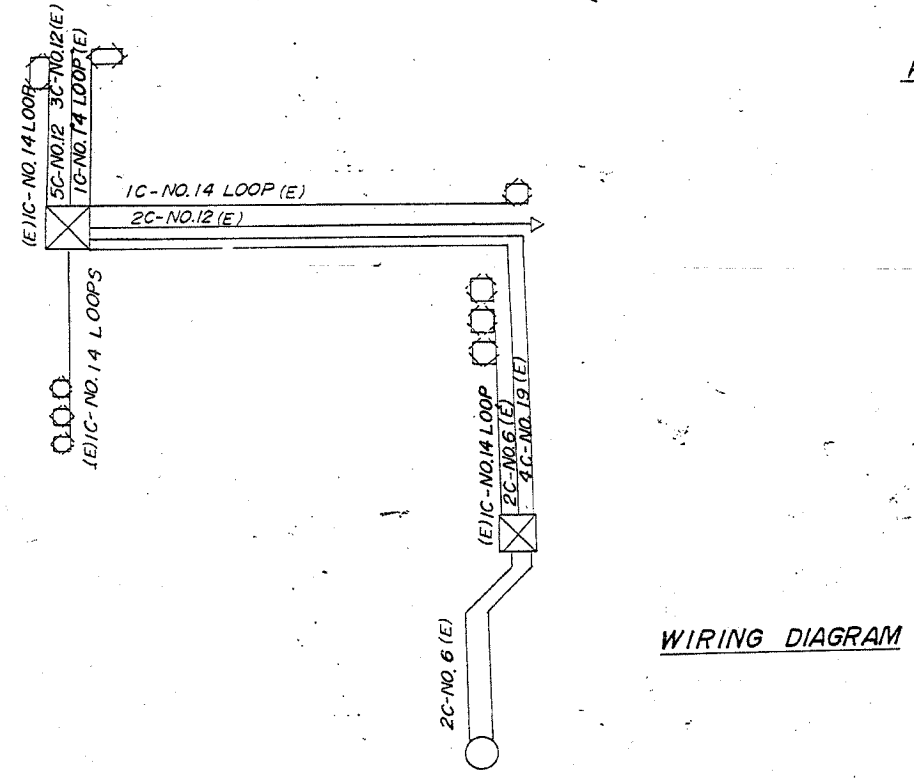
**WIRING DIAGRAM**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	46
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
(1012, 1214, 1415, & 1517) RS-3				

62746



PLAN



WIRING DIAGRAM

- LEGEND
- ⊗ HANDHOLE
  - ⊠ CABINET
  - INDUCTION LOOP
  - ⊙ SERVICE INSTALLATION
  - ⊕ HEAVY DUTY HANDHOLE
  - ⊖ FLASHER
  - ⊘ METERING SIGNAL
  - DUCT
  - CONDUIT
  - (E) EXISTING

FOR INFORMATION ONLY

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		F.A.I. ROUTE 90 KENNEDY EXPRESSWAY INDUCTION LOOP PLANS NAGLE AVENUE

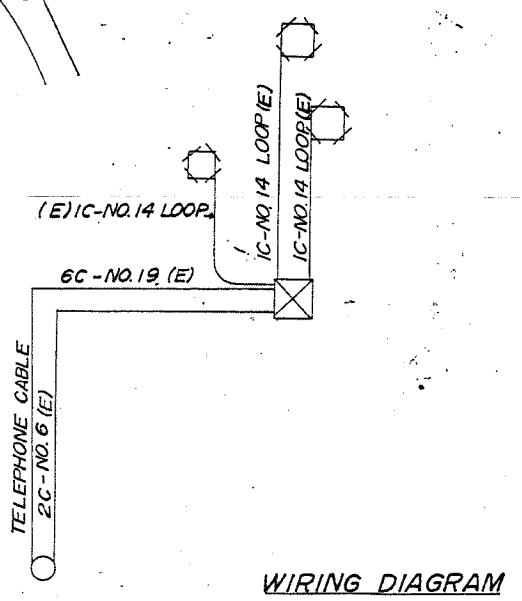
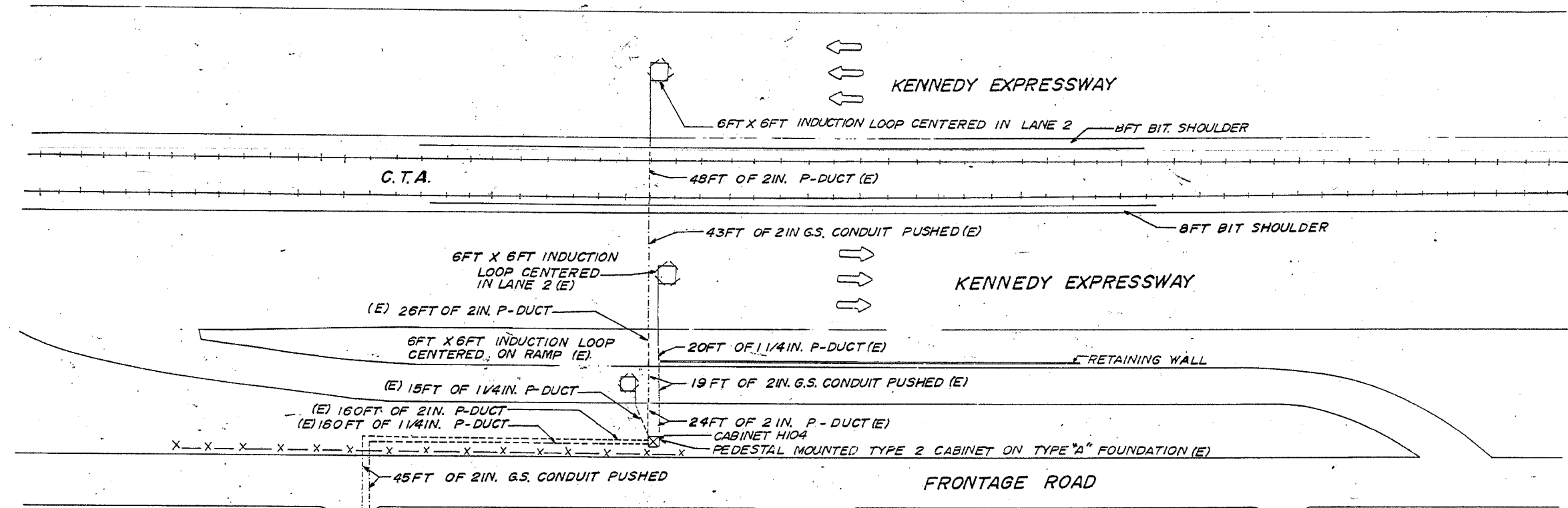
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DATE 04/05/2004

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	49
STA.	TO STA.		FED. AID PROJECT	
			(1012, 1214, 1415, & 1517) RS-3	

62746



WIRING DIAGRAM

- LEGEND**
- INDUCTION LOOP
  - ⊗ CABINET
  - SERVICE INSTALLATION
  - DUCT
  - - - CONDUIT
  - X- FENCE
  - (E) EXISTING

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

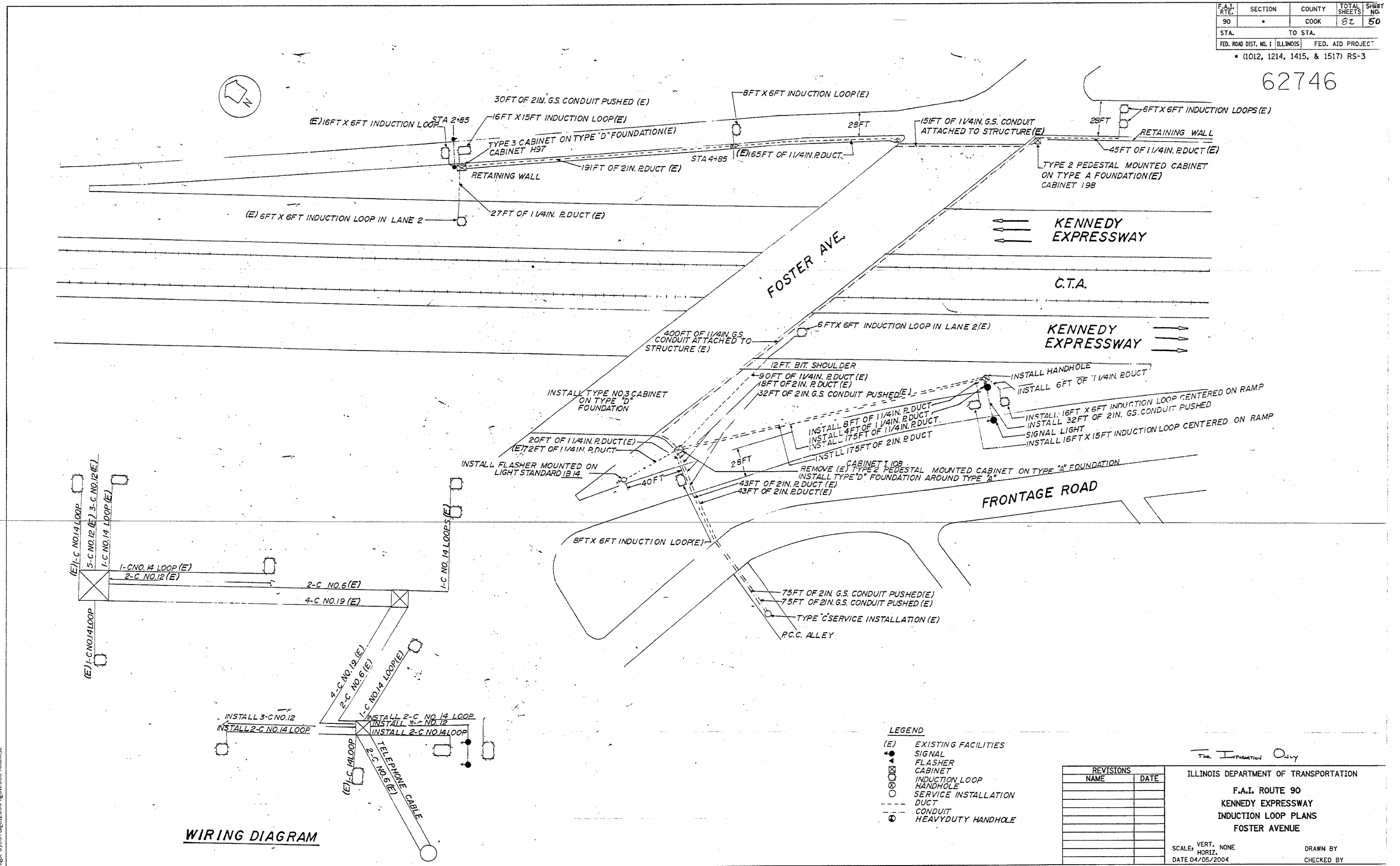
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90  
 KENNEDY EXPRESSWAY  
 INDUCTION LOOP PLANS  
 MEADE AVENUE

SCALE: VERT. NONE  
 HORIZ. NONE  
 DATE 04/05/2004

DRAWN BY  
 CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	50
STA.	TO STA.		FED. AID PROJECT	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				

62746



**WIRING DIAGRAM**

- LEGEND**
- (E) EXISTING FACILITIES
  - SIGNAL
  - FLASHER
  - CABINET
  - INDUCTION LOOP
  - HANDHOLE
  - SERVICE INSTALLATION
  - DUCT
  - CONDUIT
  - HEAVYDUTY HANDHOLE

REVISIONS	
NAME	DATE

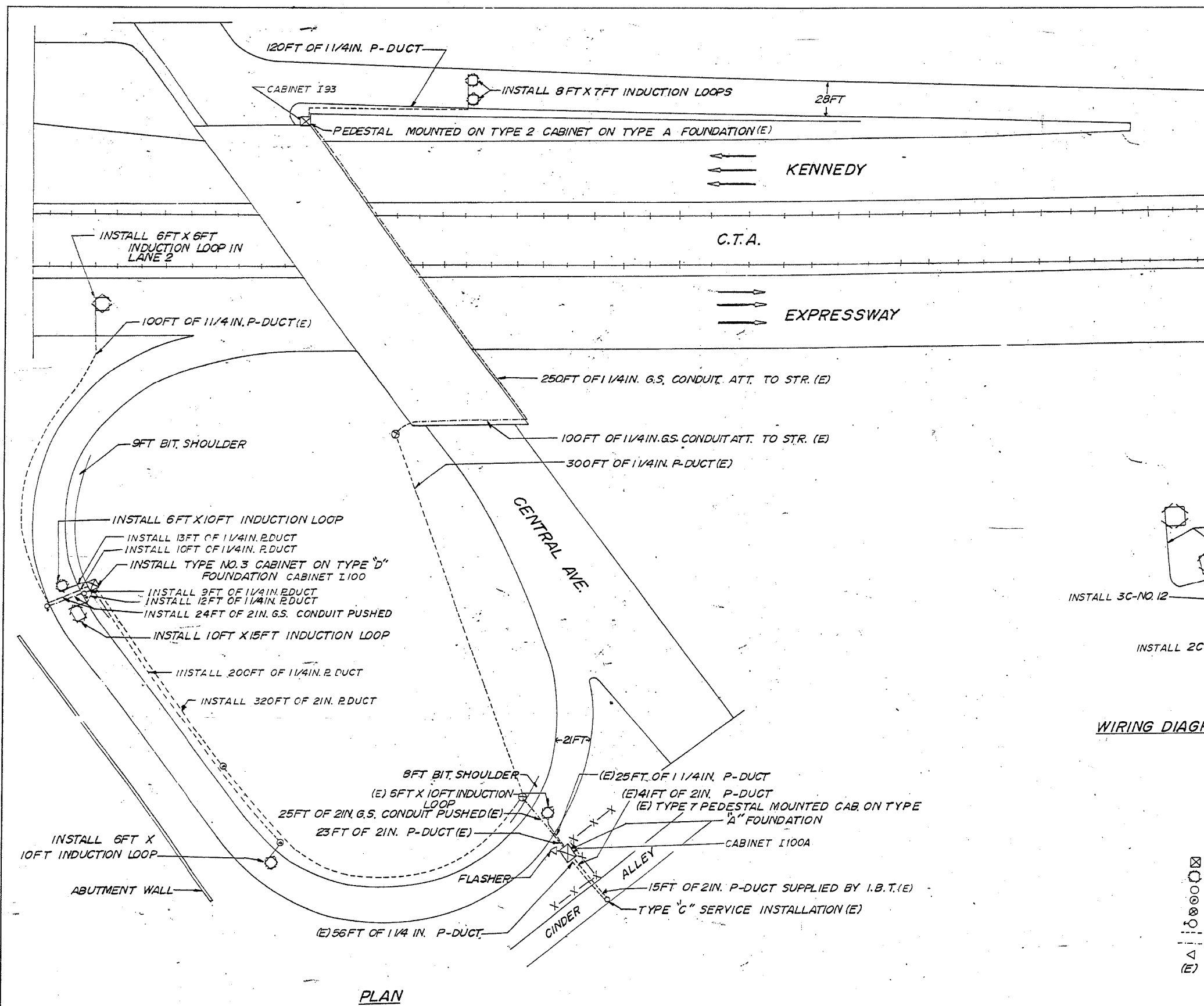
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90**  
**KENNEDY EXPRESSWAY**  
**INDUCTION LOOP PLANS**  
**FOSTER AVENUE**

SCALE: VERT. NONE  
 HORIZ. DATE 04/05/2004

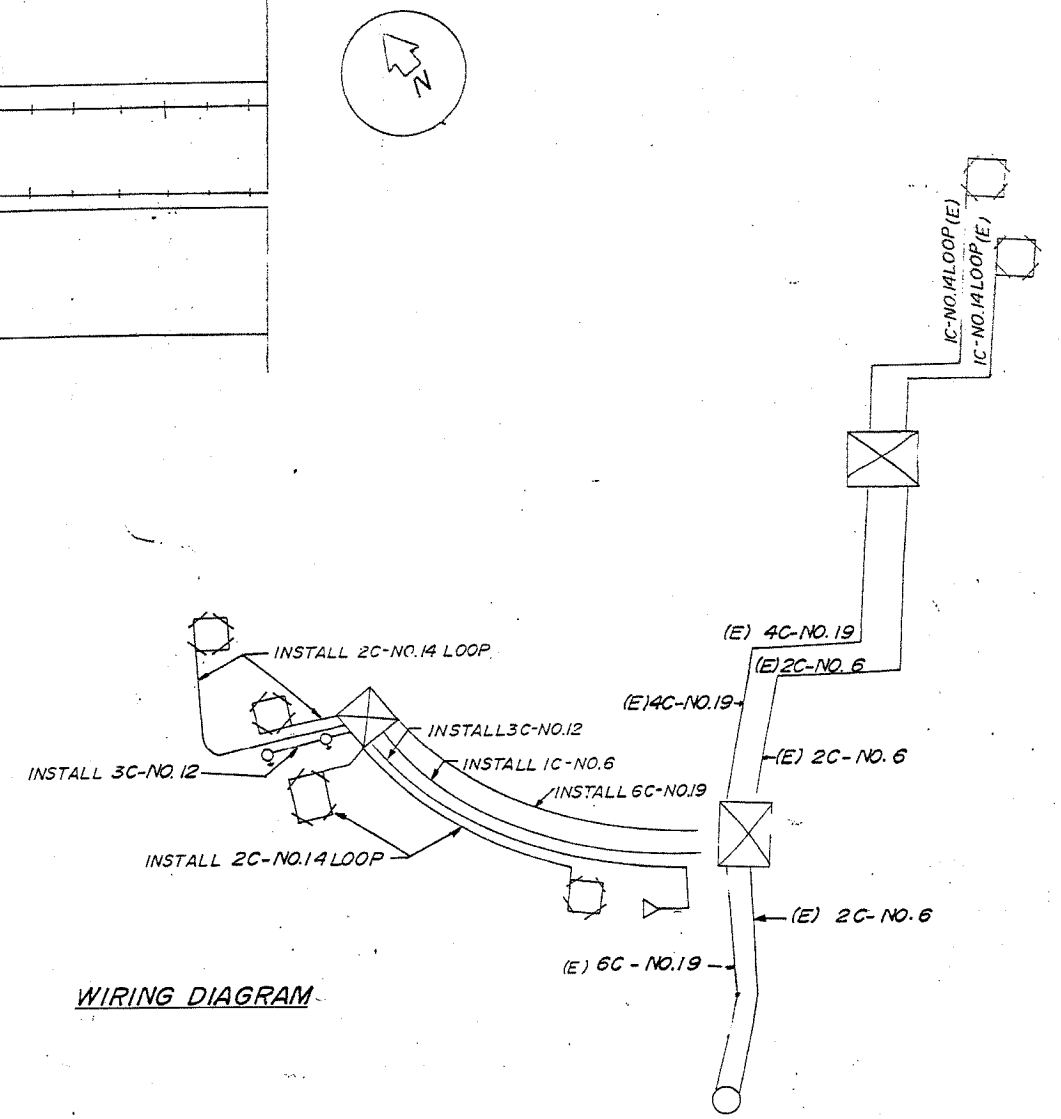
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	51
STA.	TO STA.		FED. AID PROJECT	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				

62746



PLAN



WIRING DIAGRAM

- LEGEND
- ⊠ CABINET
  - INDUCTION LOOP
  - SERVICE INSTALLATION
  - ⊙ PULL POINT
  - ⊗ HANDHOLE
  - METERING SIGNAL
  - DUCT
  - CONDUIT
  - △ FLASHER
  - (E) EXISTING

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

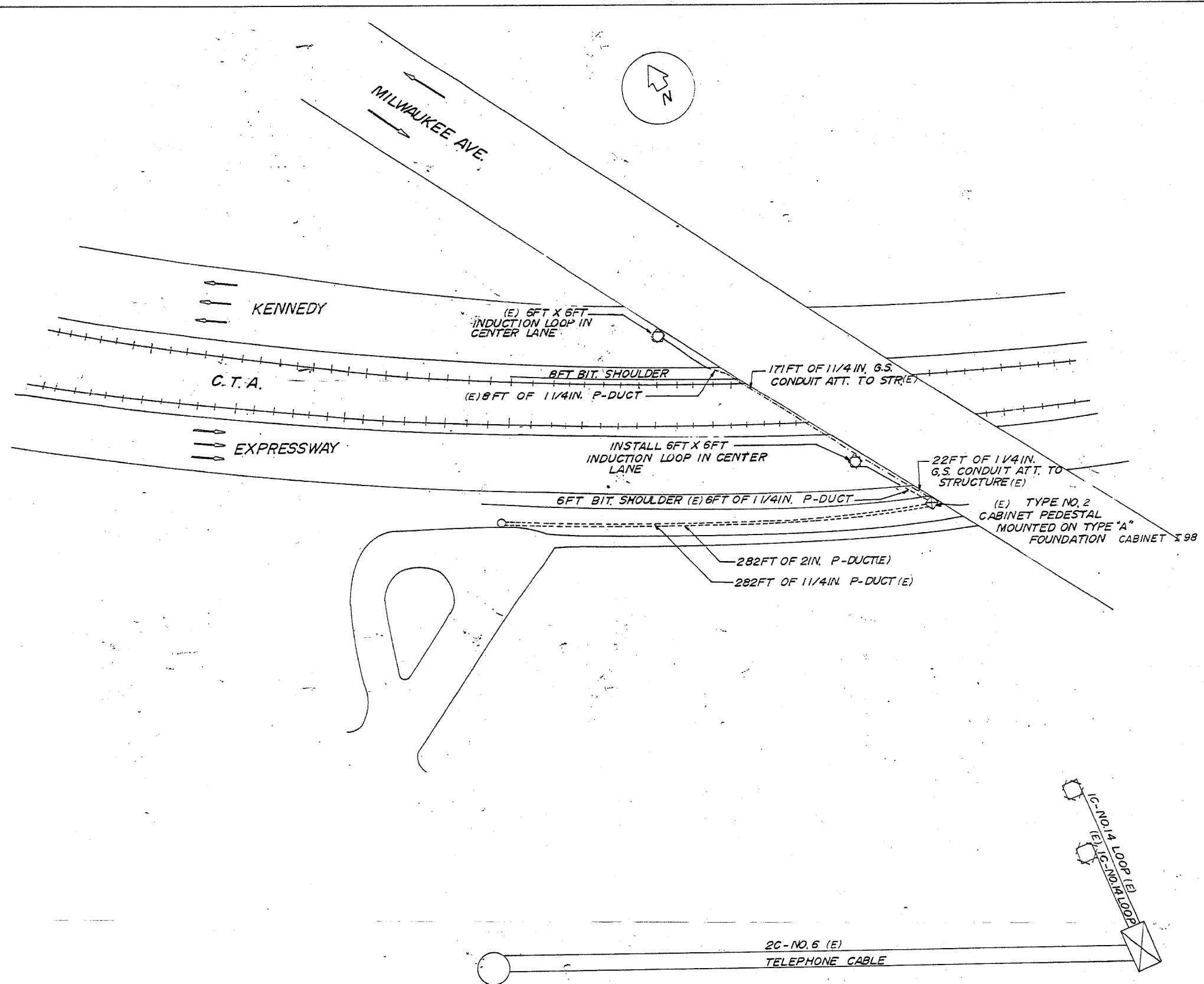
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90  
 KENNEDY EXPRESSWAY  
 INDUCTION LOOP PLANS  
 CENTRAL AVENUE

SCALE: VERT. NONE  
 HORIZ. DATE 04/05/2004  
 DRAWN BY  
 CHECKED BY

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 04/05/2004  
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	52
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				

62746



- LEGEND**
- SERVICE INSTALLATION
  - ⊗ HANDHOLE
  - ⊠ CABINET
  - ⊙ INDUCTION LOOP
  - DUCT
  - CONDUIT
  - (E) EXISTING

FOR INFORMATION ONLY

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 90  
KENNEDY EXPRESSWAY  
INDUCTION LOOP PLANS  
MILWAUKEE AVENUE

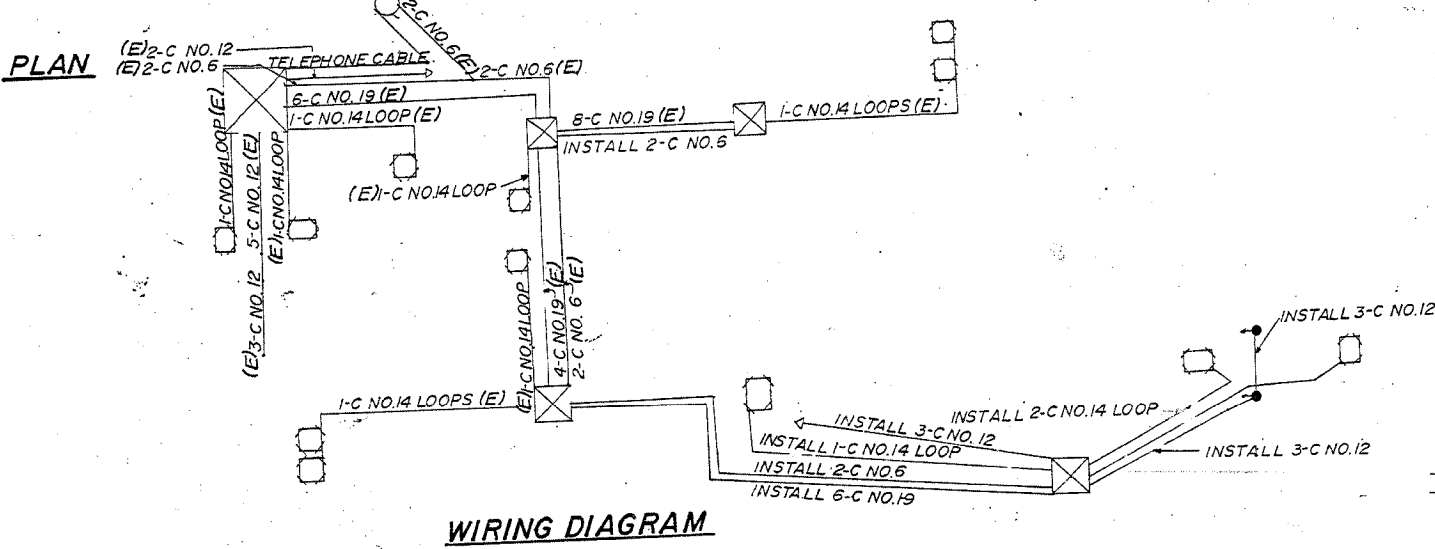
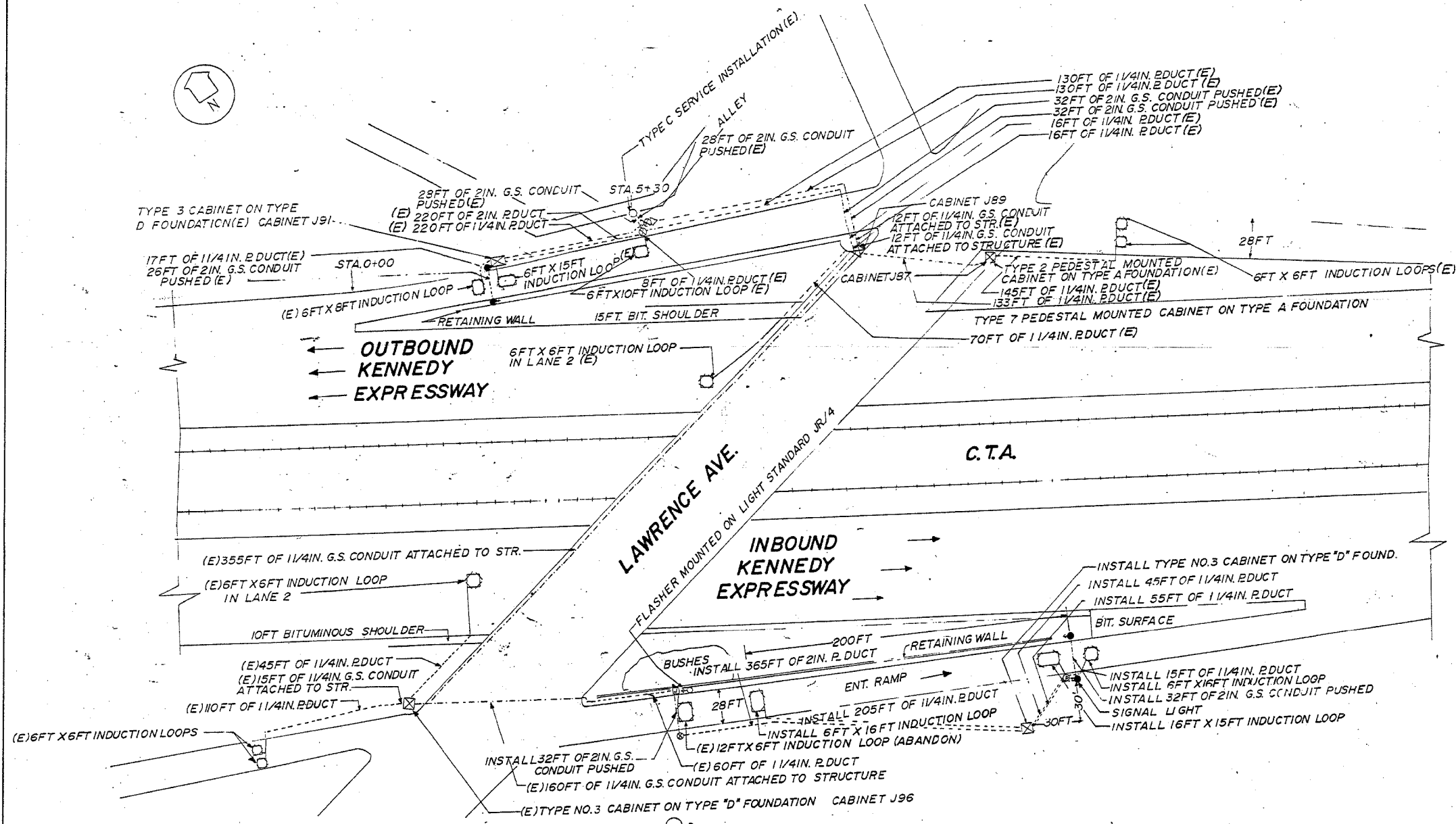
SCALE: VERT. NONE  
HORIZ. DATE 04/06/2004

DRAWN BY  
CHECKED BY

WIRING DIAGRAM



62746



- LEGEND**
- (E) EXISTING FACILITIES
  - LIGHT STANDARD
  - SIGNAL LIGHT
  - ▽ FLASHER
  - INDUCTION LOOP
  - ⊠ CABINET
  - ⊞ JUNCTION BOX
  - SERVICE INSTALLATION
  - ⊙ PULL POINT
  - ⊙ HANDHOLE
  - ⊙ HEAVY DUTY HANDHOLE
  - DUCT
  - CONDUIT
  - x- FENCE
  - GUARD RAIL

REVISIONS	
NAME	DATE

FOR INFORMATION ONLY

ILLINOIS DEPARTMENT OF TRANSPORTATION

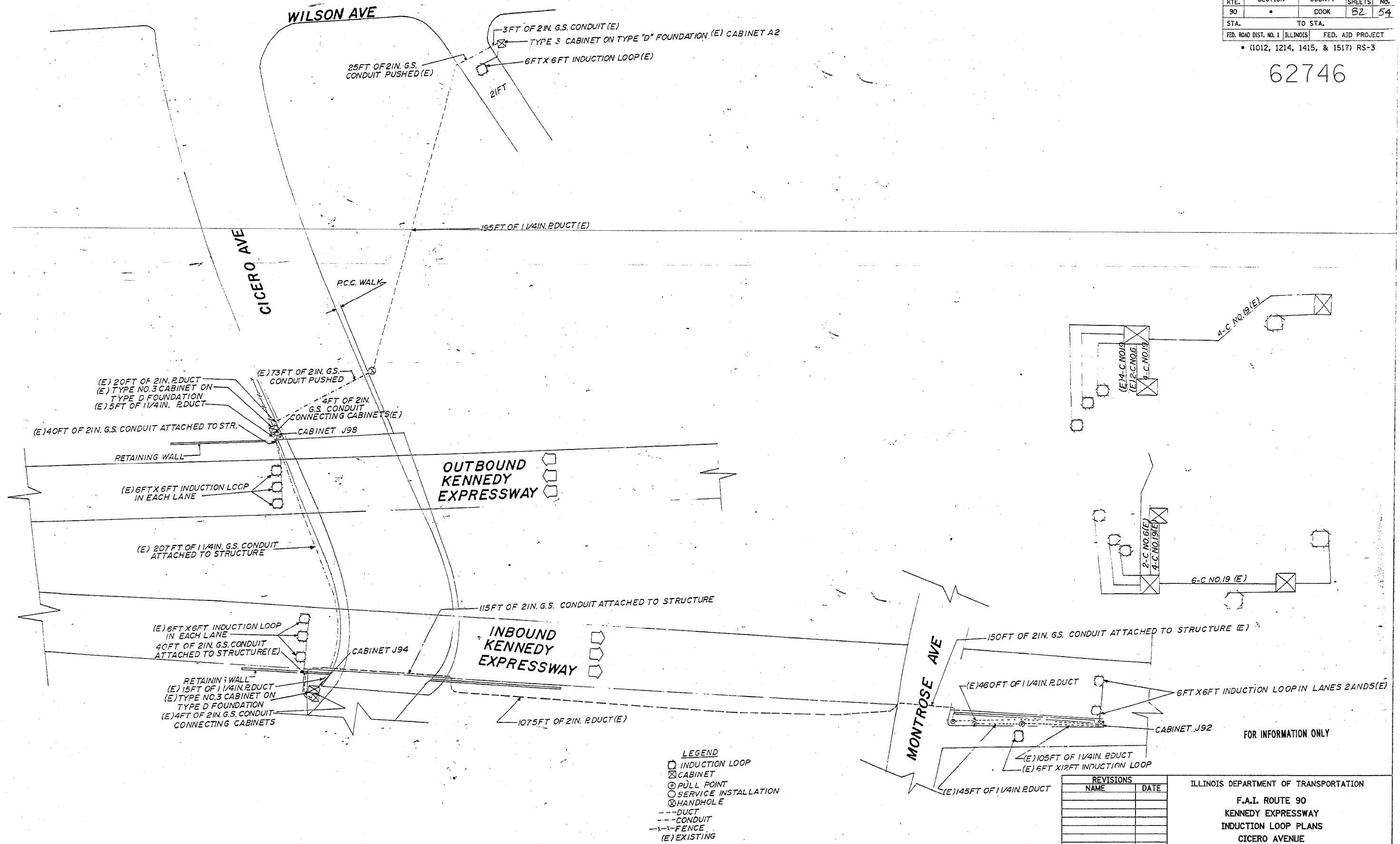
F.A.I. ROUTE 90  
KENNEDY EXPRESSWAY  
INDUCTION LOOP PLANS  
LAWRENCE AVENUE

SCALE: VERT. NONE  
HORIZ. DATE 04/05/2004

DRAWN BY  
CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	52	54
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				

62746



- LEGEND**
- INDUCTION LOOP
  - ⊗ CABINET
  - ⊙ PULL POINT
  - SERVICE INSTALLATION
  - ⊗ HANDHOLE
  - DUCT
  - CONDUIT
  - X- FENCE
  - (E) EXISTING

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. ROUTE 90**  
**KENNEDY EXPRESSWAY**  
**INDUCTION LOOP PLANS**  
**CICERO AVENUE**

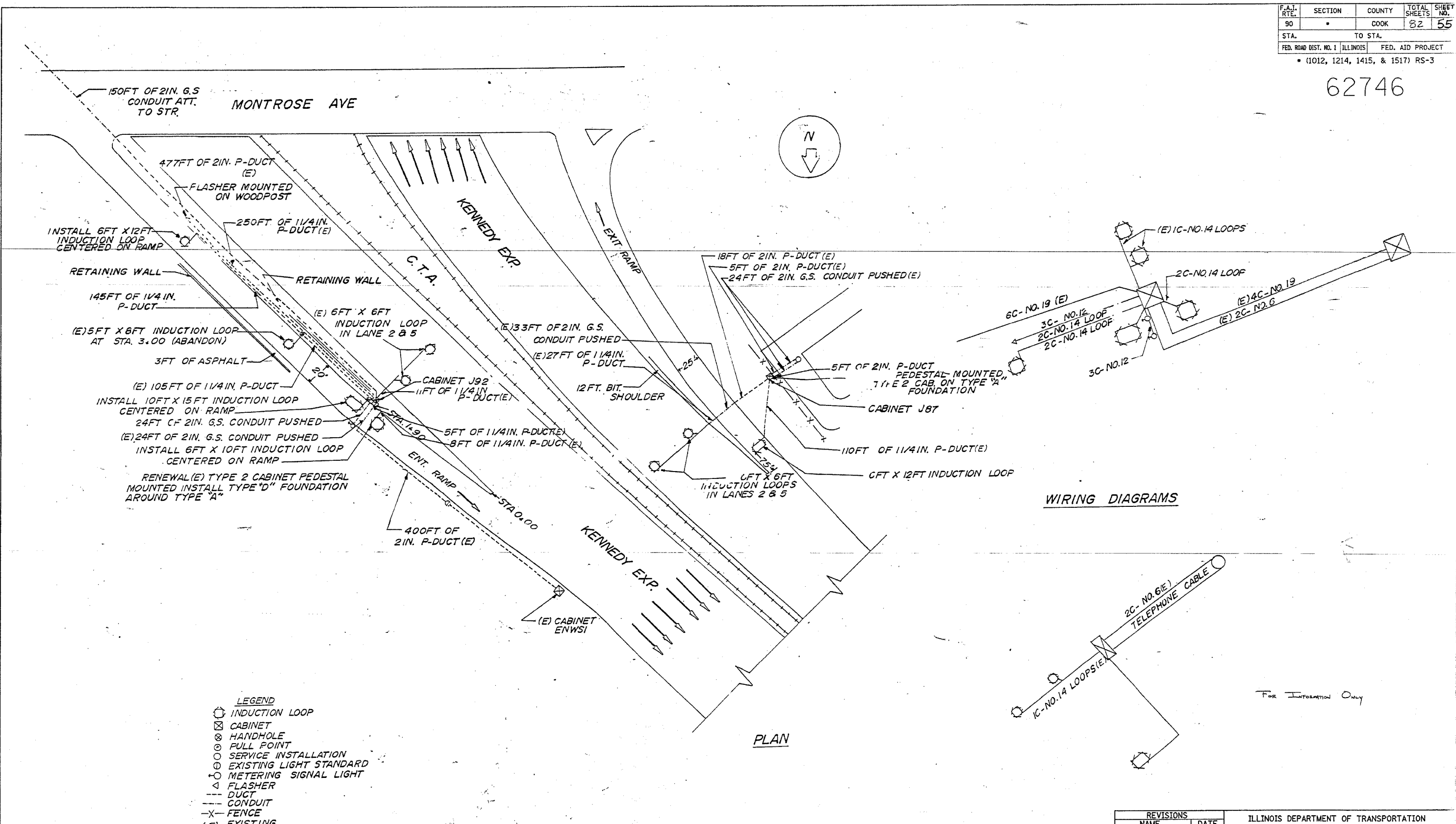
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	55
STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS	
			FED. AID PROJECT	
• (1012, 1214, 1415, & 1517) RS-3				

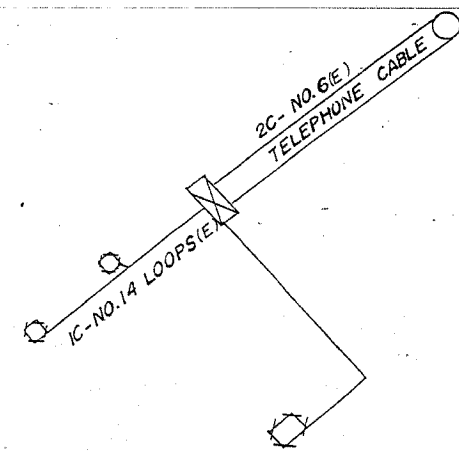
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WIRING DIAGRAMS

PLAN

- LEGEND**
- INDUCTION LOOP
  - ⊠ CABINET
  - ⊙ HANDHOLE
  - ⊙ PULL POINT
  - SERVICE INSTALLATION
  - EXISTING LIGHT STANDARD
  - ⊙ METERING SIGNAL LIGHT
  - △ FLASHER
  - DUCT
  - CONDUIT
  - X- FENCE
  - (E) EXISTING



For Information Only

REVISIONS	
NAME	DATE

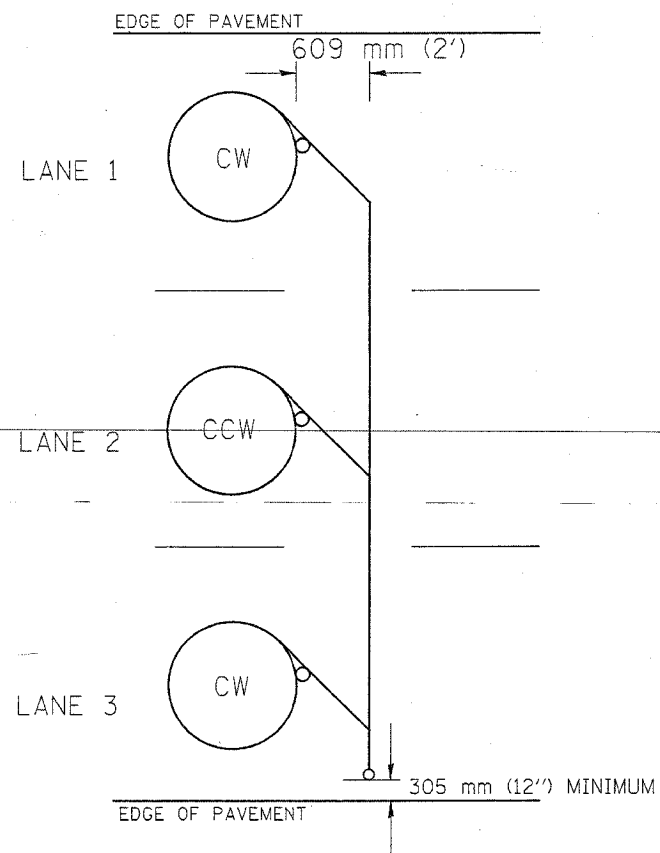
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90  
 KENNEDY EXPRESSWAY  
 INDUCTION LOOP PLANS  
 MONTROSE AVENUE

SCALE: VERT. NONE  
 HORIZ. DATE 04/05/2004

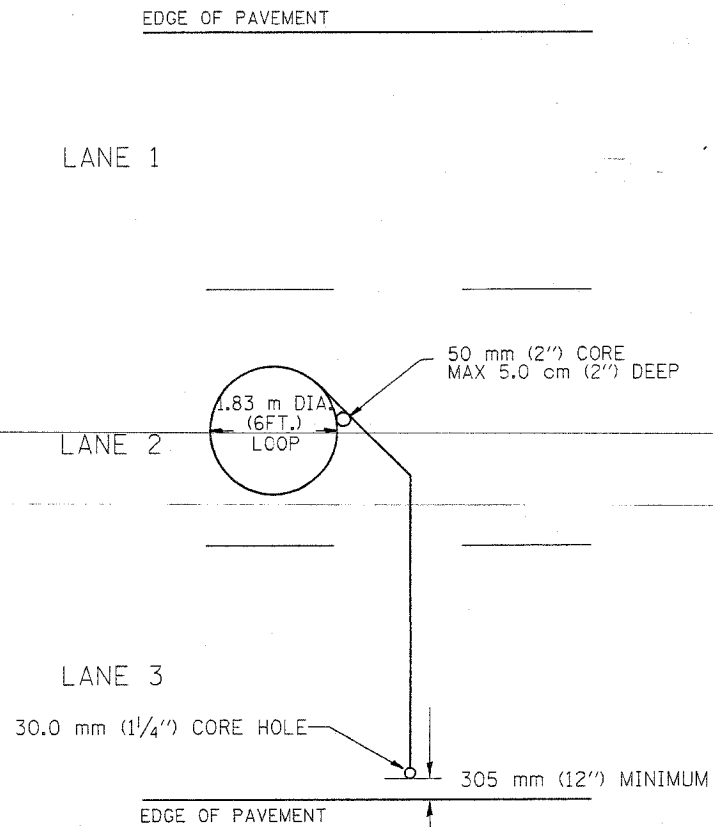
DRAWN BY  
 CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	56
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		
* (1012, 1214, 1415, & 1517) R5-3				

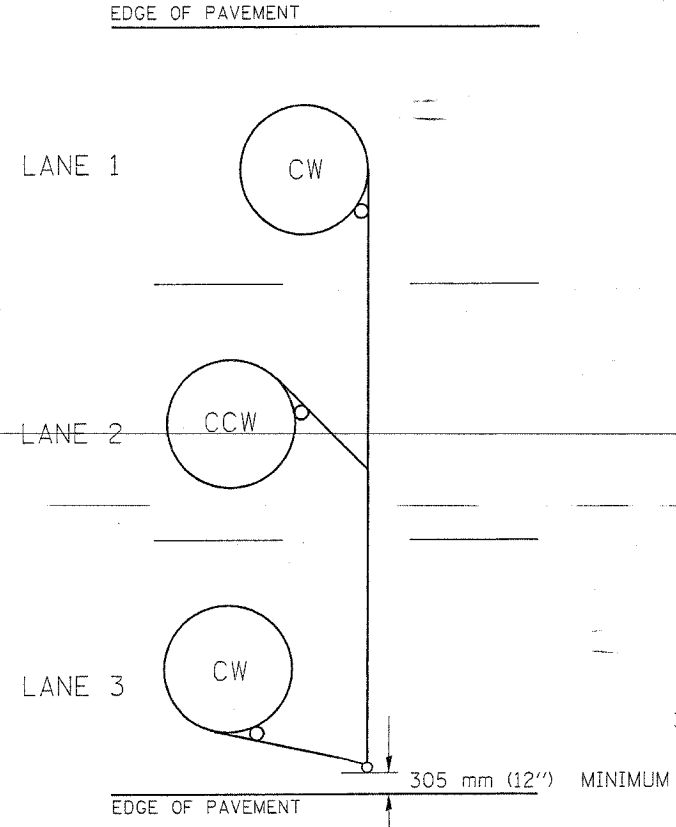
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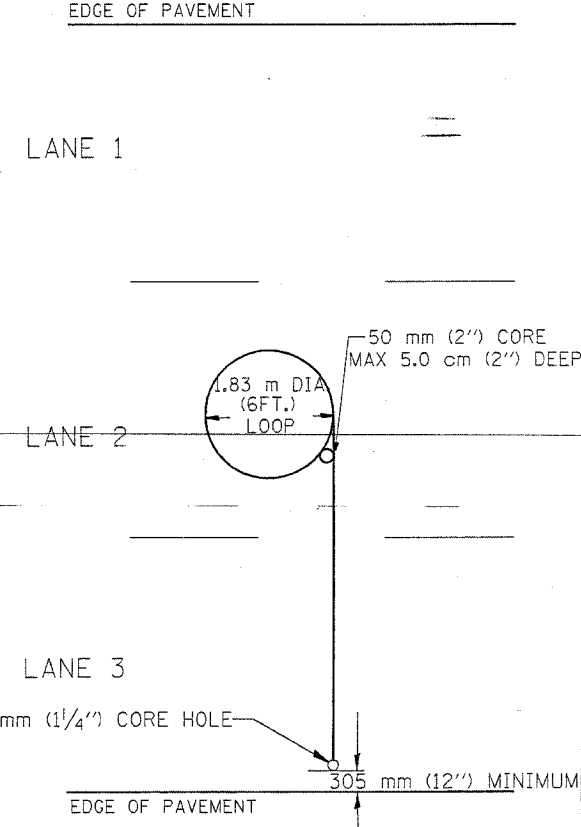
TYPICAL 1.83 m (6FT.) DIA. INDUCTION LOOP CORE DRILL  
LAYOUT FOR MULTIPLE LANE ROADWAY



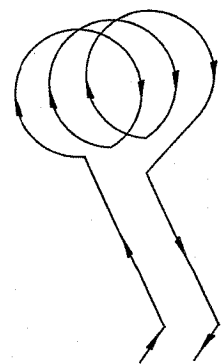
TYPICAL 1.83 m (6') DIA. INDUCTION LOOP  
LAYOUT FOR LANE 2



TYPICAL 1.83 m (6') DIA. INDUCTION LOOP CORE DRILL  
LAYOUT FOR MULTIPLE LANE ROADWAY



TYPICAL 1.83 m (6') DIA. INDUCTION LOOP  
LAYOUT FOR LANE 2



WIRING DETAILS

NOTES

1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 45 m (150FT.) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

REVISIONS	
NAME	DATE
R.L.	6/94
T.C.	9/96

ILLINOIS DEPARTMENT OF TRANSPORTATION  
TRAFFIC SYSTEMS CENTER  
EXISTING ROUND LOOP  
INSTALLATION

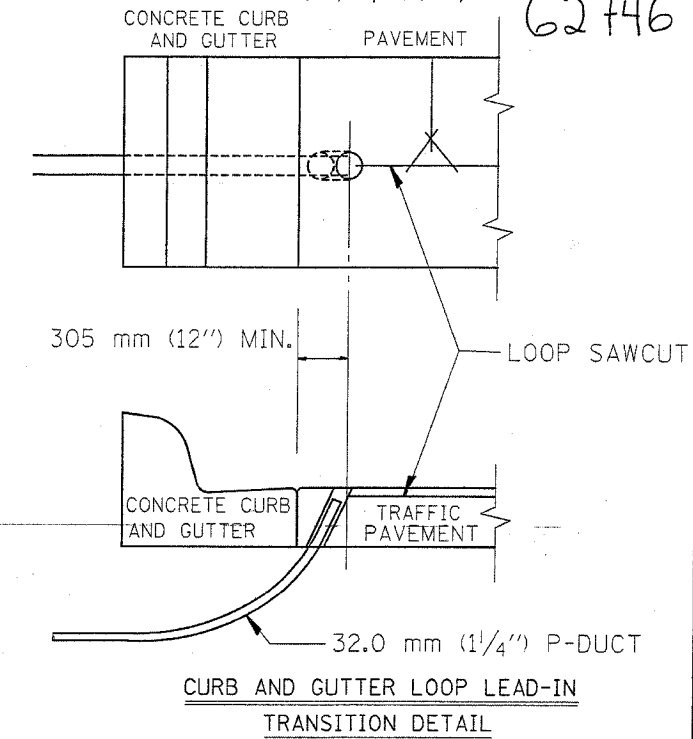
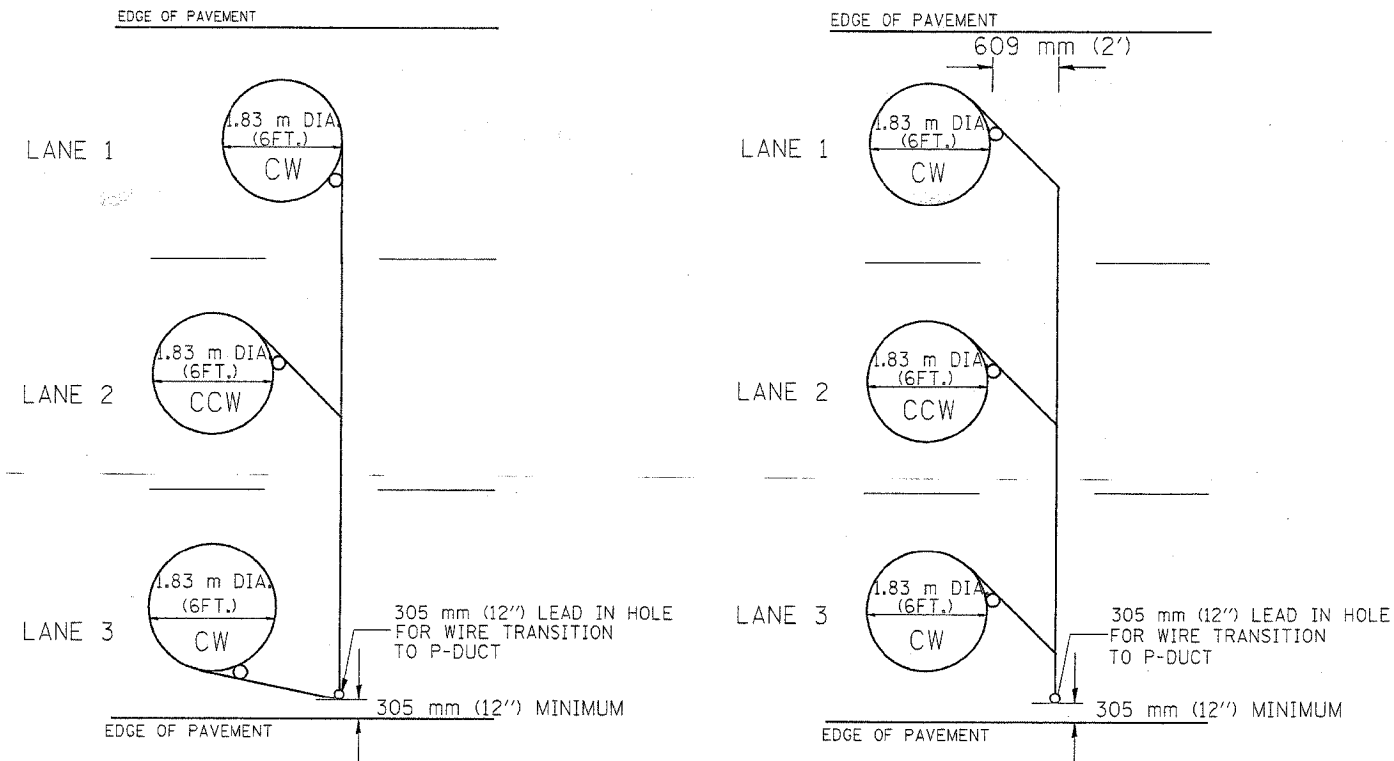
SCALE: VERT. NONE  
DATE 6-22-94

DRAWN BY G.M.  
CHECKED BY R.L.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	57
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

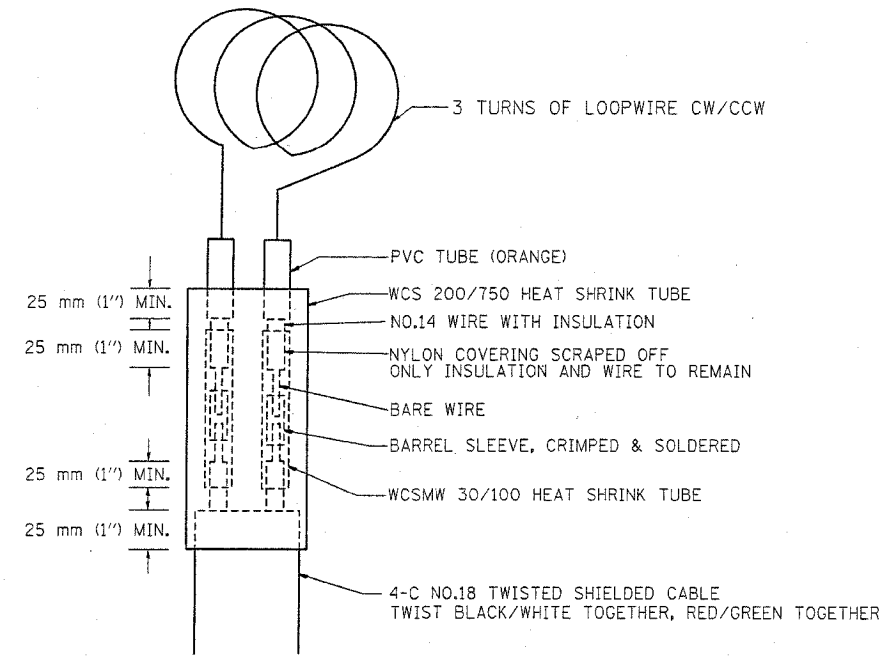
\*(1012, 1214, 1415, & 1517) RS-3

62746



TYPICAL 1.83 m (6FT.) DIA. INDUCTION LOOP CORE DRILL LAYOUT FOR MULTIPLE LANE ROADWAY

TYPICAL 1.83 m (6') DIA. INDUCTION LOOP CORE DRILL LAYOUT FOR MULTIPLE LANE ROADWAY



MINIMUM 25 mm (1") HEAT SHRINK TUBING OVERLAP ON WIRE, PVC & SHIELDED CABLE TO FORM WATER TIGHT SEAL

LOOP SPlicing REQUIREMENTS

**NOTES**

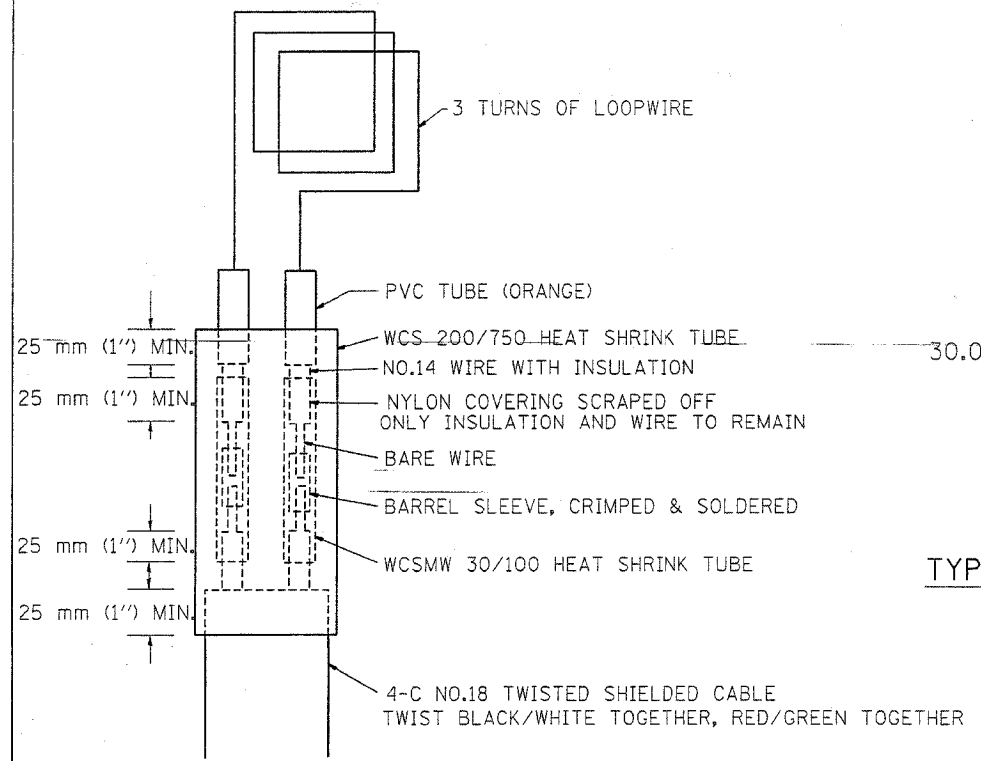
1. EACH LOOP SHALL BE SPliced TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 45 m (150FT.) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPliced IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPliced IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

REVISIONS	
NAME	DATE
R.L.	6/94
T.C.	10/96

ILLINOIS DEPARTMENT OF TRANSPORTATION  
TRAFFIC SYSTEMS CENTER  
**EXISTING ROUND INDUCTION LOOP TYPICALS**  
SCALE: VERT. NONE  
HORIZ. DATE 6-22-94  
DRAWN BY G.M.  
CHECKED BY R.L.

62746

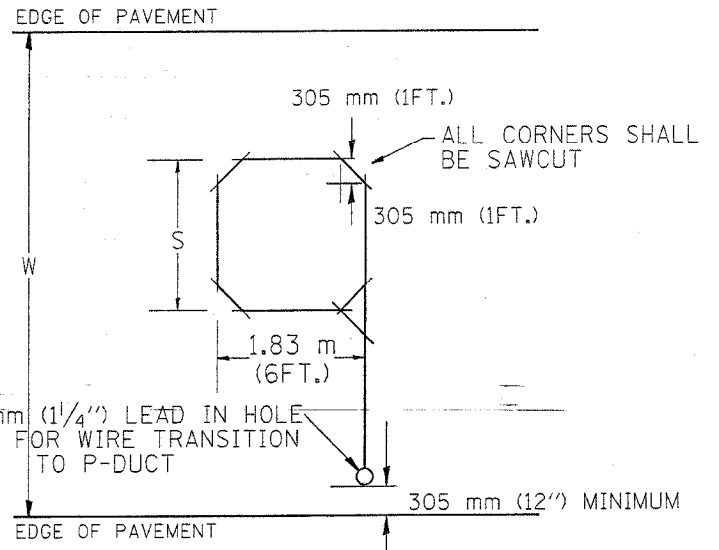
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	58
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				
*(1012, 1214, 1415, & 1517) R5-3				



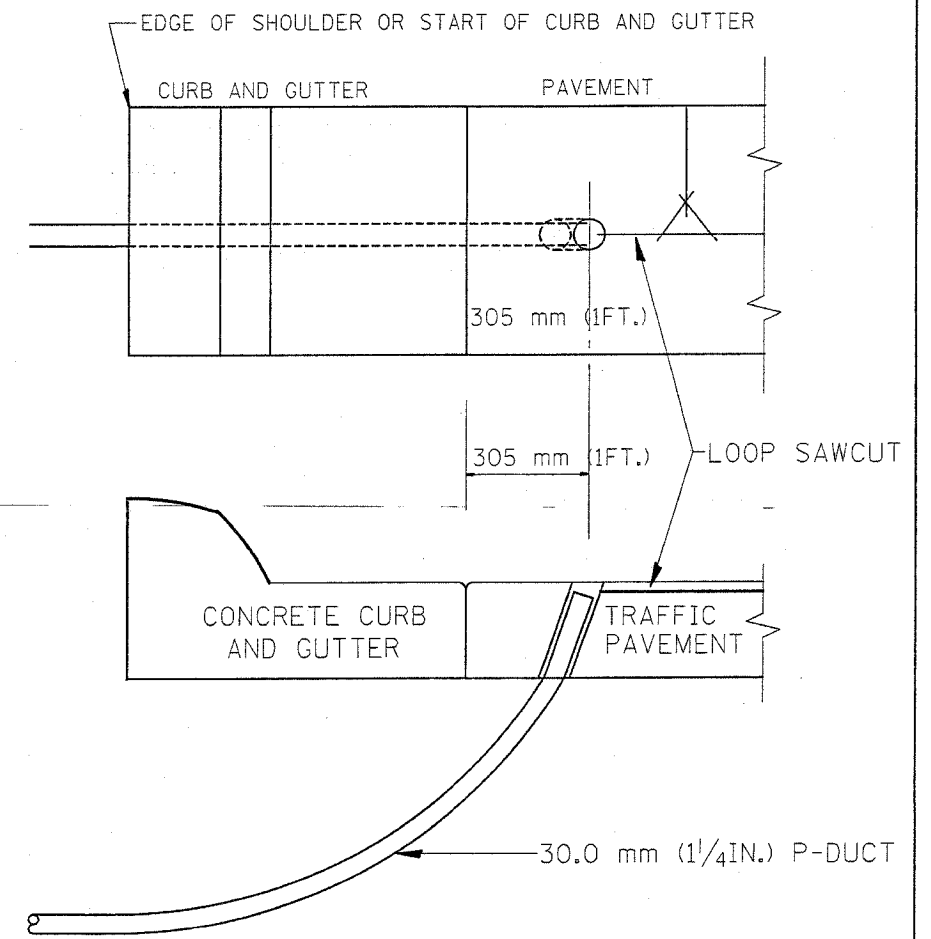
MINIMUM 25 mm (1") HEAT SHRINK TUBING OVERLAP ON WIRE, PVC & SHIELDED CABLE TO FORM WATER TIGHT SEAL

LOOP-SPLICING REQUIREMENTS

WIDTH (W)	WIDTH (S)
3.7 m (12')	2.5 m (8')
4.0 m (13')	2.8 m (9')
4.3 m (14')	3.1 m (10')
4.6 m (15')	3.4 m (11')
4.9 m (16')	3.7 m (12')
5.2 m (17')	4.0 m (13')
5.5 m (18')	4.3 m (14')
5.8 m (19')	4.6 m (15')
6.1 m (20')	4.9 m (16')
6.4 m (21')	5.2 m (17')
6.7 m (22')	5.5 m (18')
7.0 m (23')	5.8 m (19')
7.3 m (24')	6.1 m (20')
7.6 m (25')	6.4 m (21')



TYPICAL "S" FT. BY 1.83 m (6FT.) INDUCTION LOOP SAWCUT LAYOUT FOR RAMPS



CURB AND GUTTER LOOP LEAD-IN TRANSITION DETAIL

NOTES

1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 45 m (150FT.) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

REVISIONS	
NAME	DATE
R.L.	6/94
T.C.	11/95
R.L.	05/96
T.C.	10/96

ILLINOIS DEPARTMENT OF TRANSPORTATION  
TRAFFIC SYSTEMS CENTER

RECTANGULAR INDUCTION LOOP  
TYPICAL

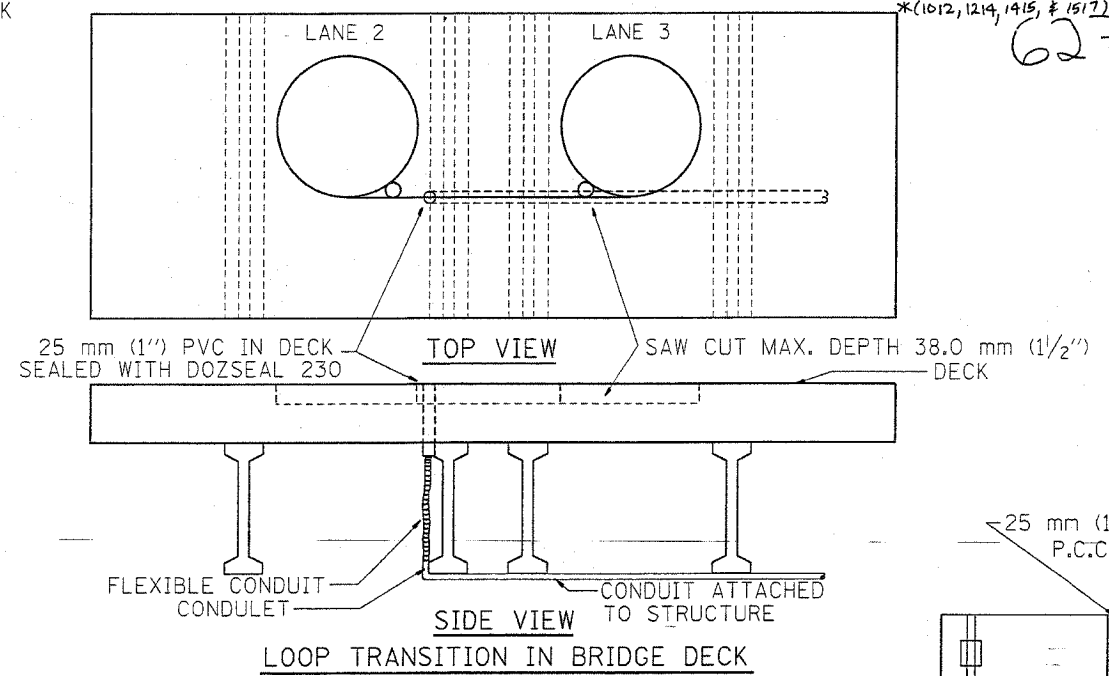
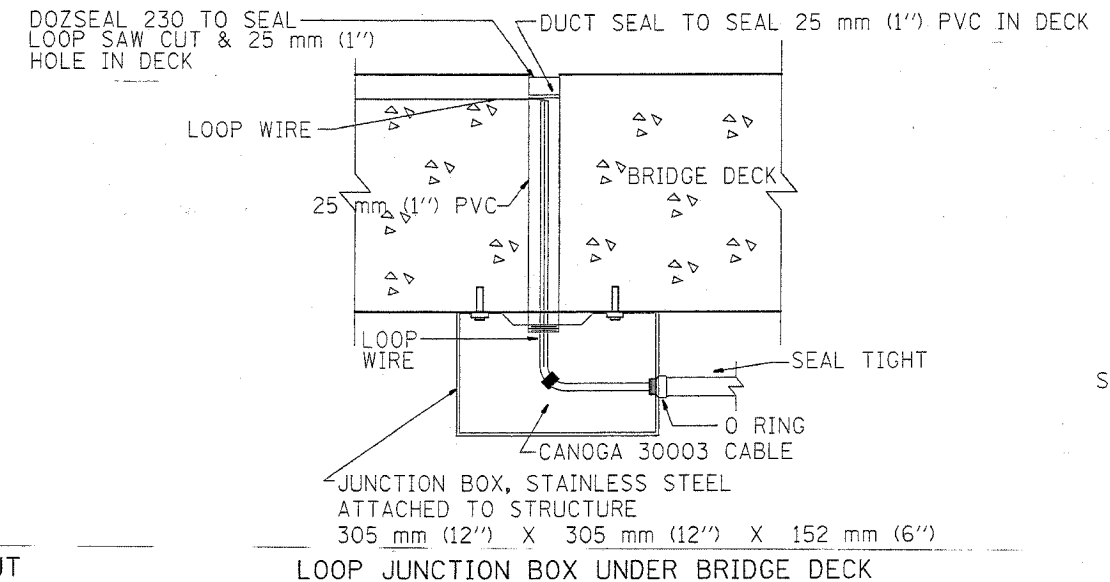
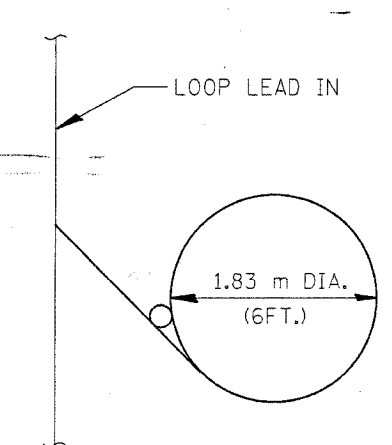
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HORIZ. \_\_\_\_\_

DATE 6-22-94

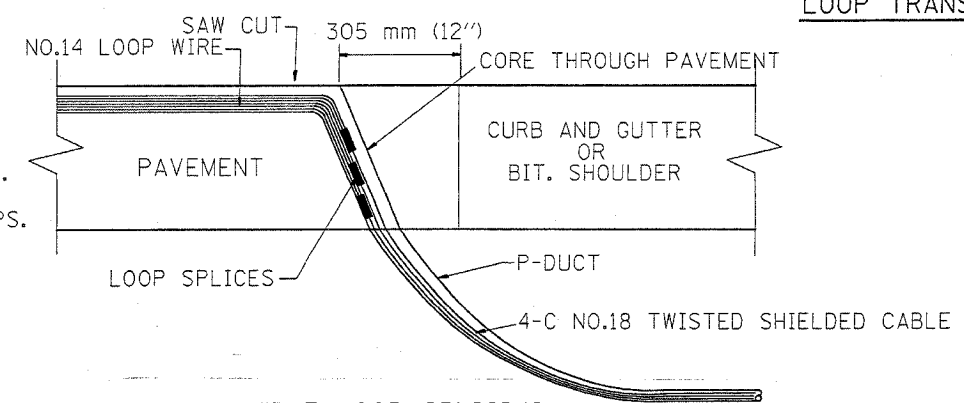
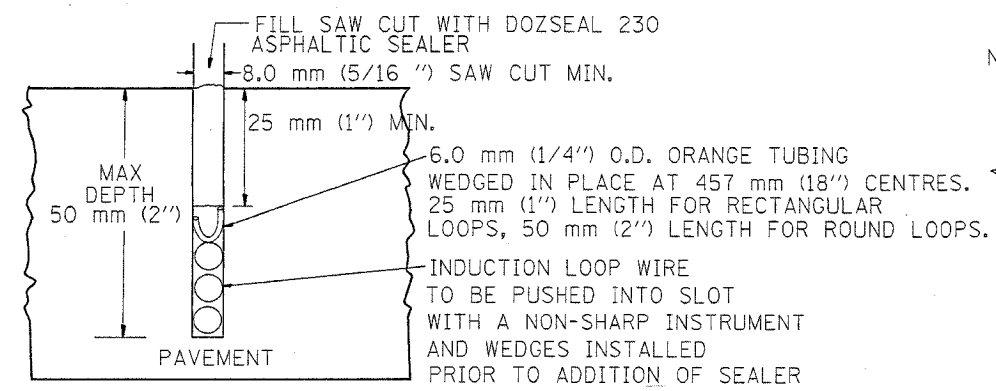
DRAWN BY G.M.  
CHECKED BY R.L.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	59
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

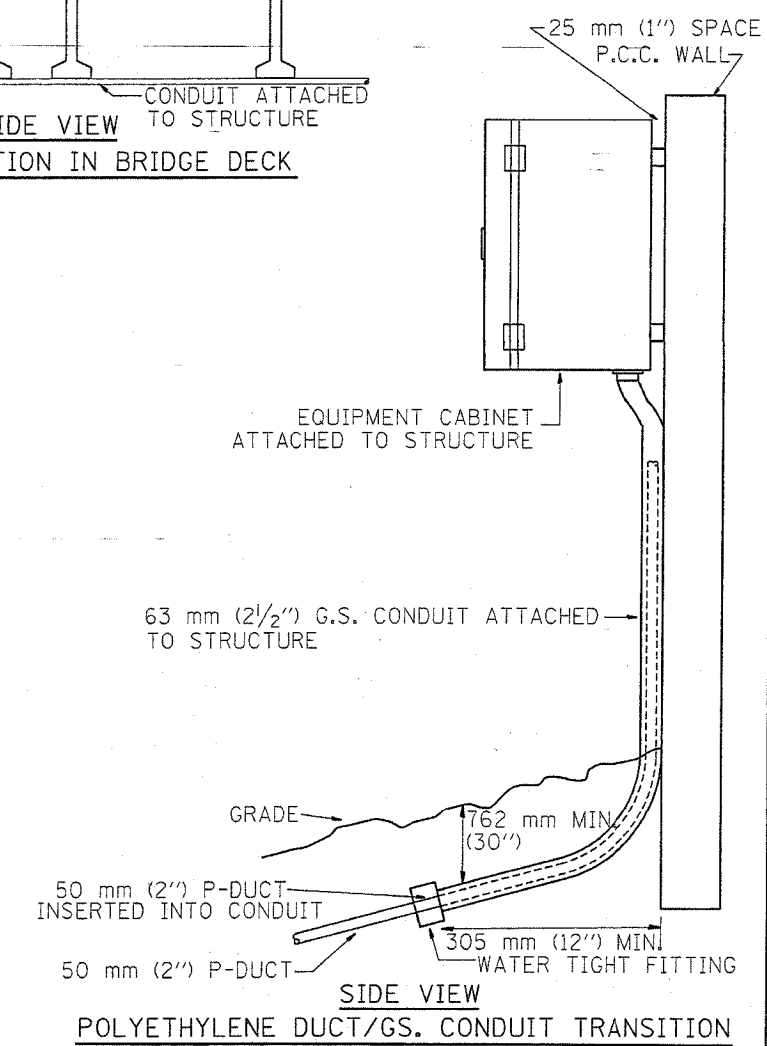
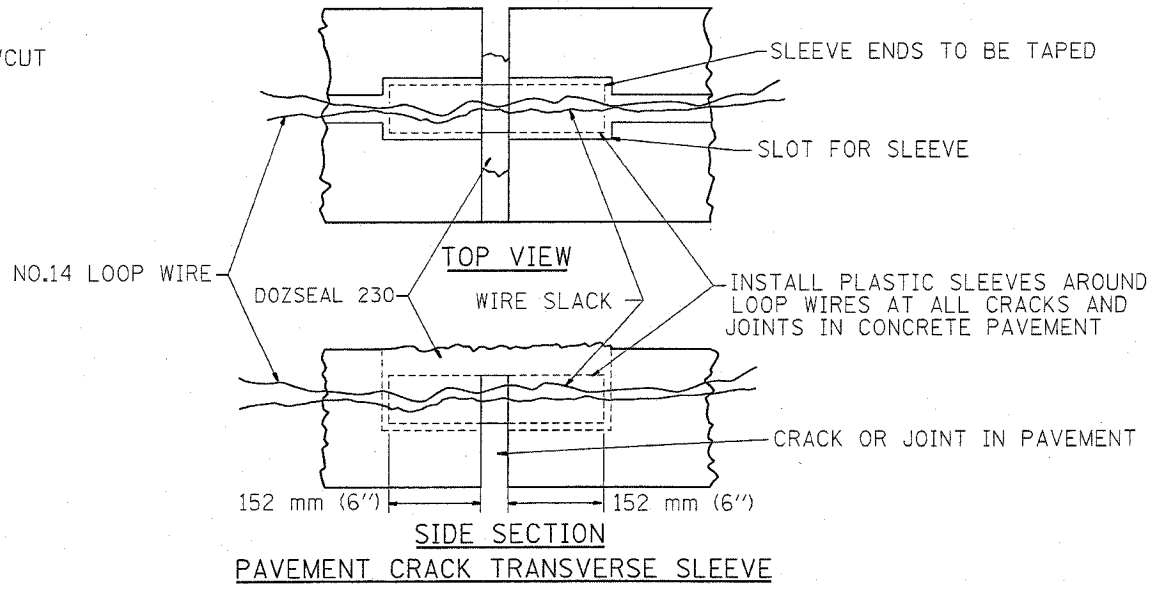
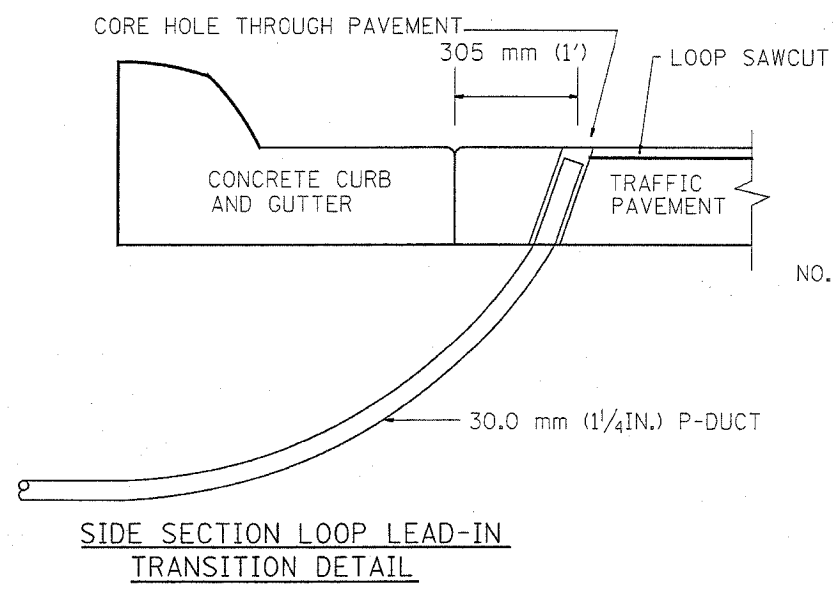
\* (1012, 1214, 1415, & 1517) R 5-3  
62746



TYPICAL LOOP SAWCUT LAYOUT



LOOP CROSS SECTION IN PAVEMENT



REVISIONS	
NAME	DATE
R.L.	6/94
R.L.	3/95
T.C.	11/95
R.L.	05/96
T.C.	10/96

ILLINOIS DEPARTMENT OF TRANSPORTATION  
TRAFFIC SYSTEMS CENTER

**LOOP, CONDUIT & DUCT  
INSTALLATION DETAILS**

SCALE: VERT. NONE  
HORIZ. DATE 6-22-94

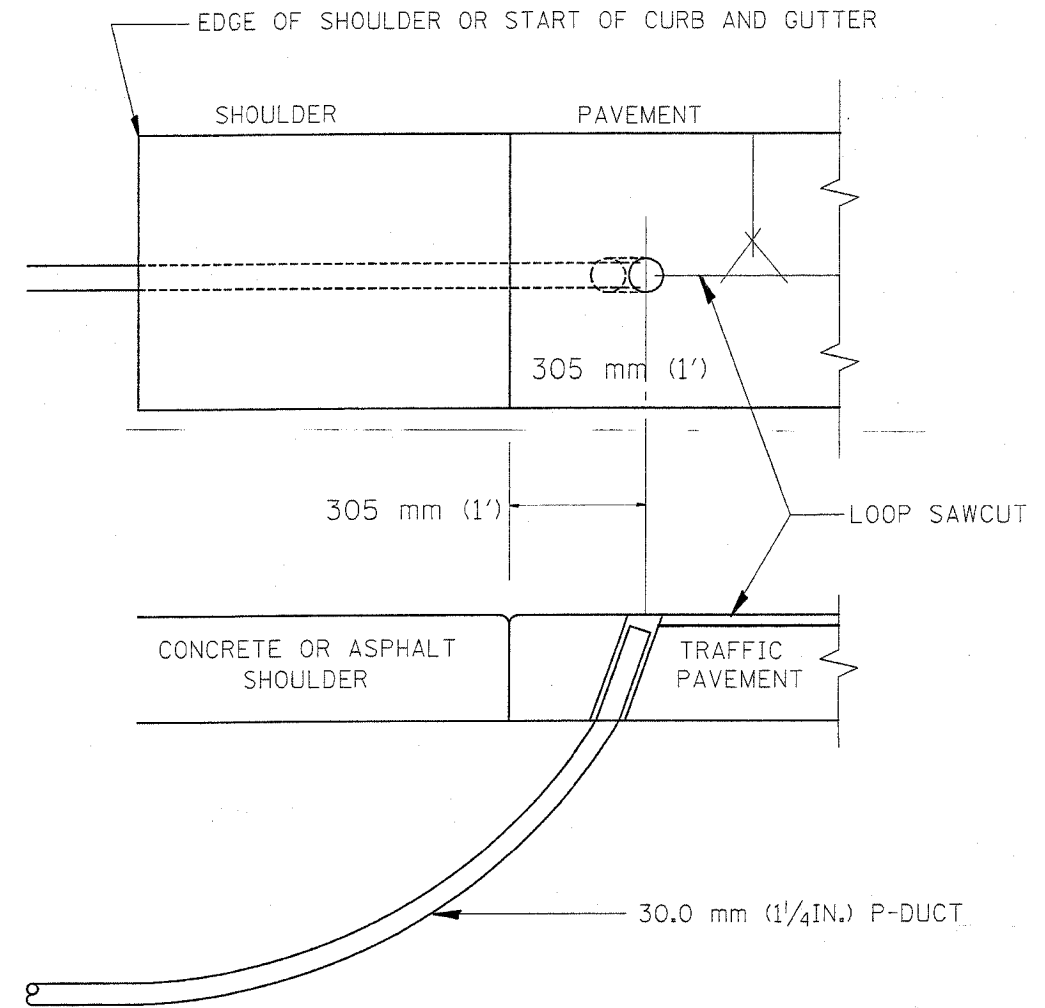
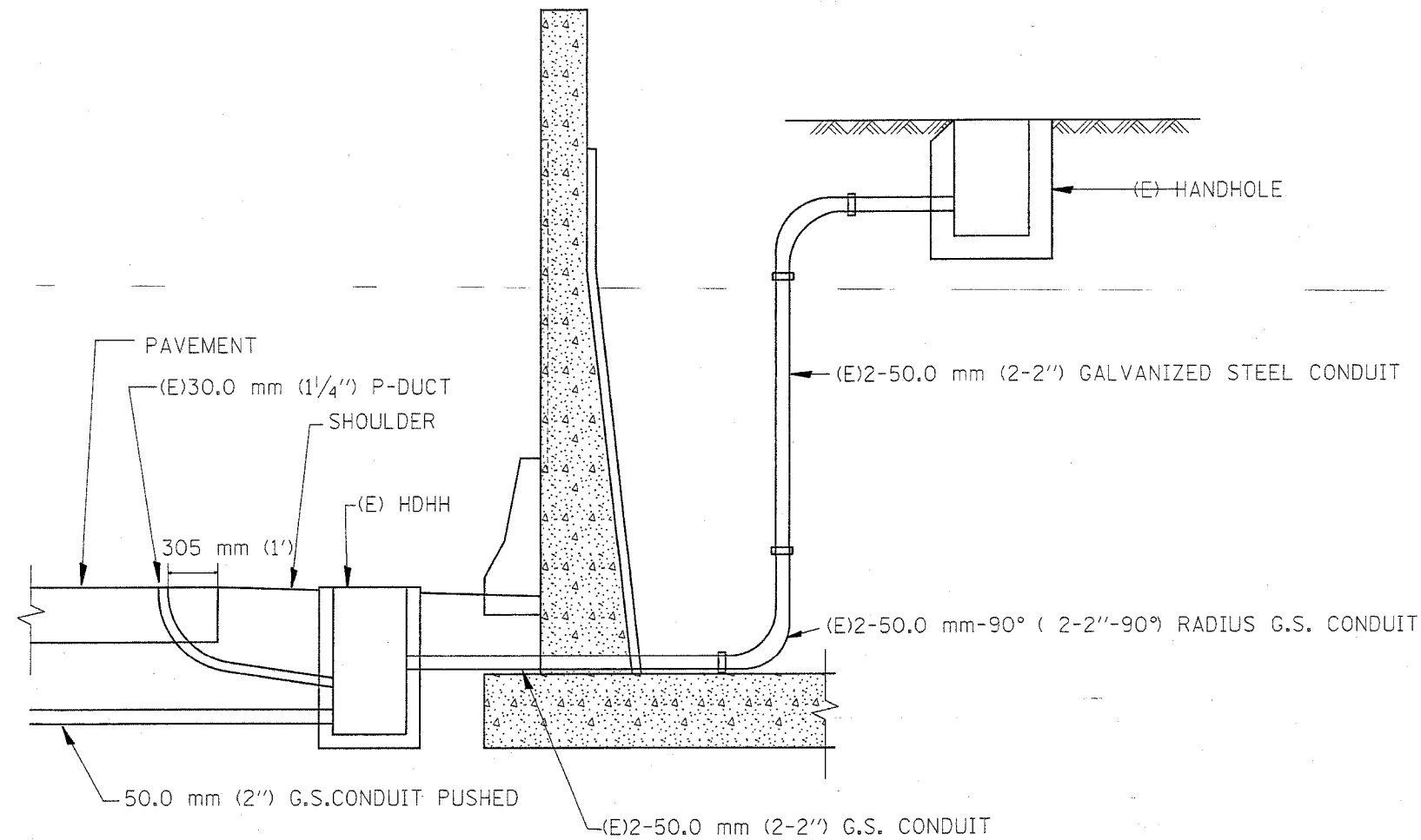
DRAWN BY G.M.  
CHECKED BY R.L.

RD-TYPMET.DGN  
RF=

VI-4184

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	60
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\*(1012, 1214, 1415, & 1517) R5-3  
62746



SHOULDER LOOP LEAD-IN  
TRANSITION DETAIL

REVISIONS	
NAME	DATE
R.L.	6/94
T.C.	11/95
R.L.	05/96
T.C.	10/96

ILLINOIS DEPARTMENT OF TRANSPORTATION  
TRAFFIC SYSTEMS CENTER  
TYPICAL INDUCTION LOOP LEAD-IN  
TRANSITION DIAGRAMS

SCALE: VERT. NONE  
HORIZ.

DRAWN BY G.M.  
CHECKED BY R.L.

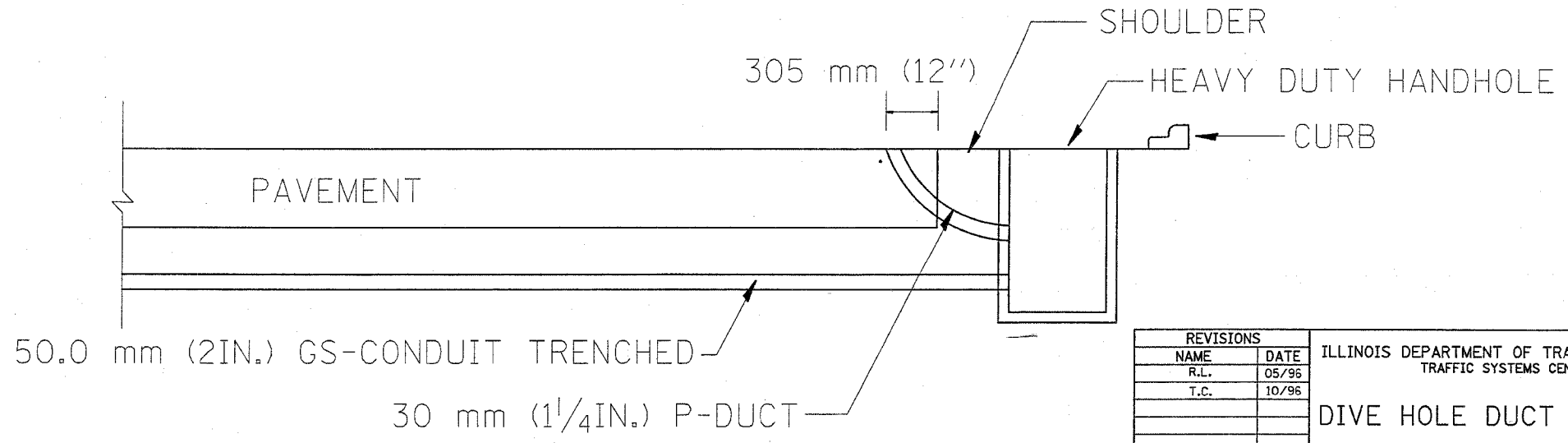
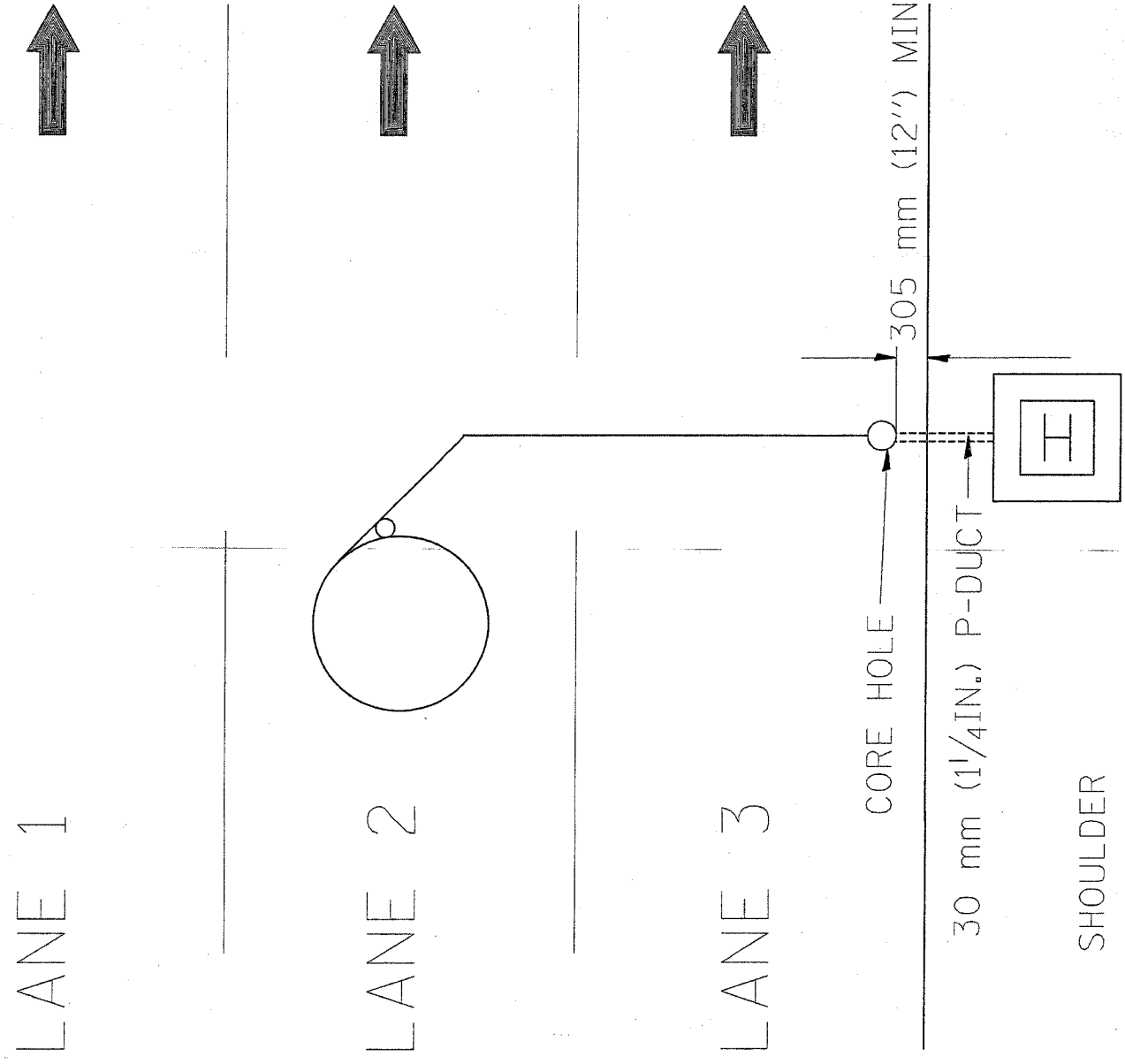
DATE 6-22-94





F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	62
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\*(1012, 1214, 1415, & 1517) 85-3  
62746



REVISIONS	
NAME	DATE
R.L.	05/96
T.C.	10/96

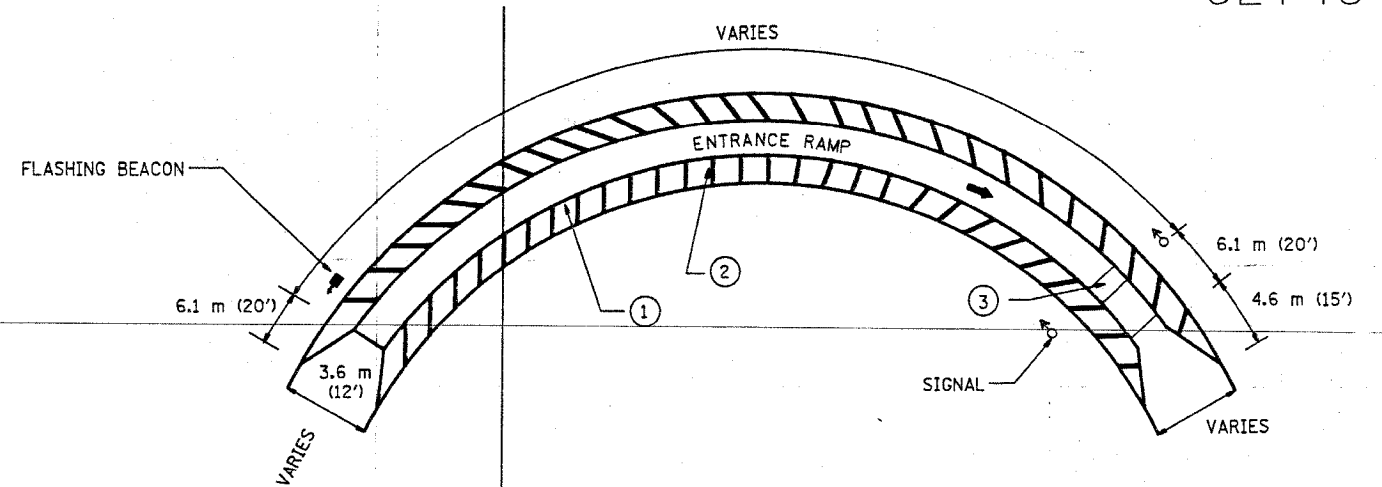
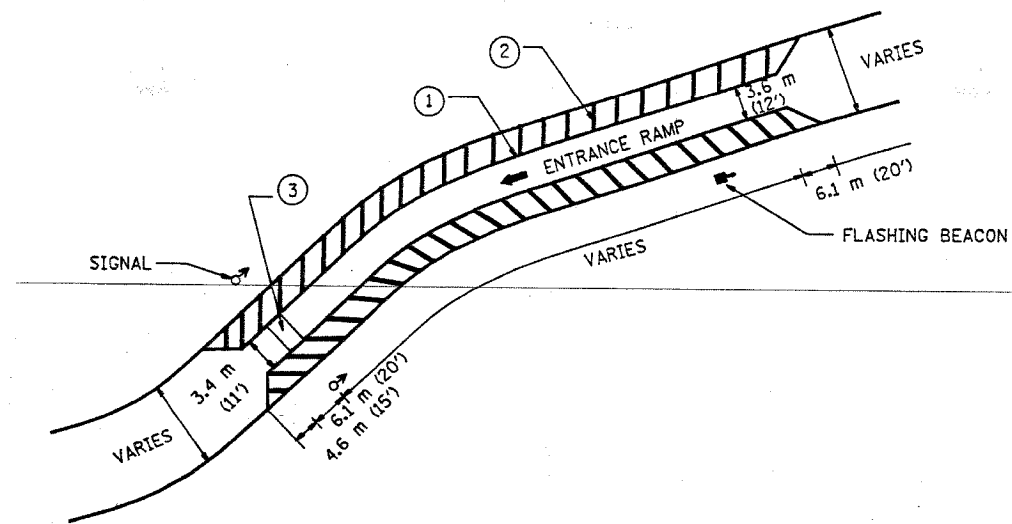
ILLINOIS DEPARTMENT OF TRANSPORTATION  
TRAFFIC SYSTEMS CENTER  
**DIVE HOLE DUCT SYSTEM**  
SCALE: VERT. NONE  
DATE 11/7/95  
DRAWN BY G.M.  
CHECKED BY R.L.

RD-TYPMET.DGN  
RF=

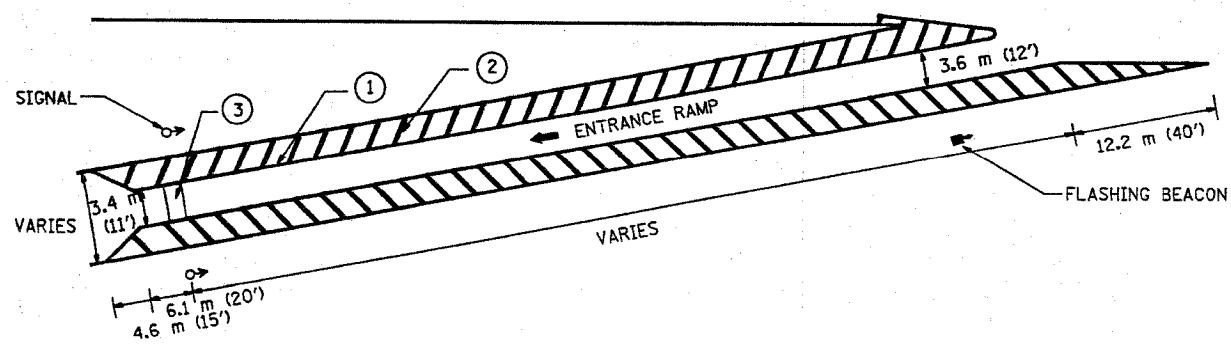
VI-4188

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	63
STA.	TO STA.		FED. AID PROJECT	
			• (1012, 1214, 1415, & 1517) RS-3	

62746



FRONTAGE ROAD



PAVIMENT MARKING

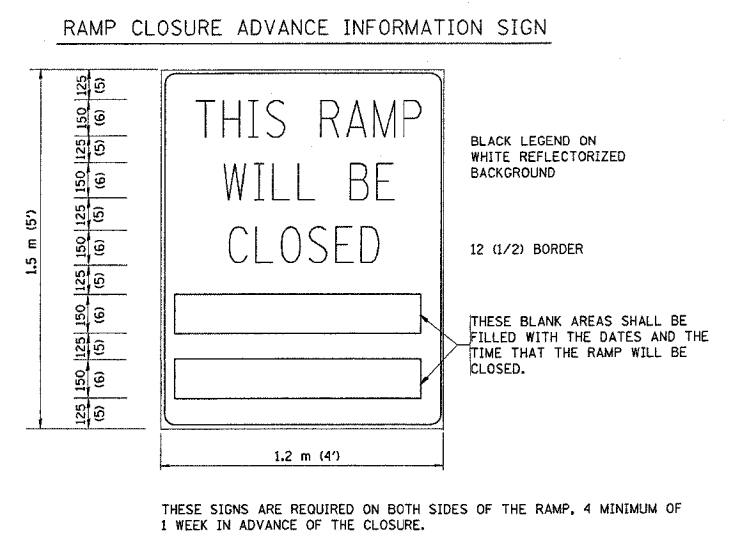
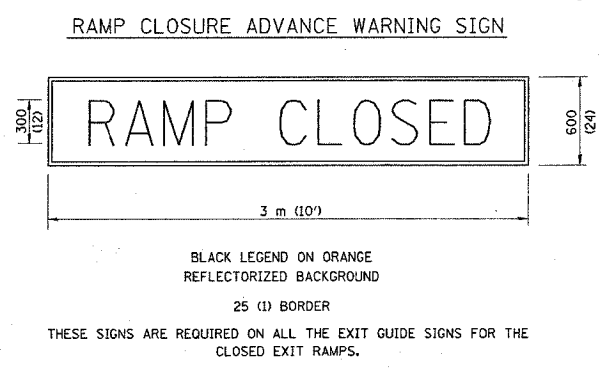
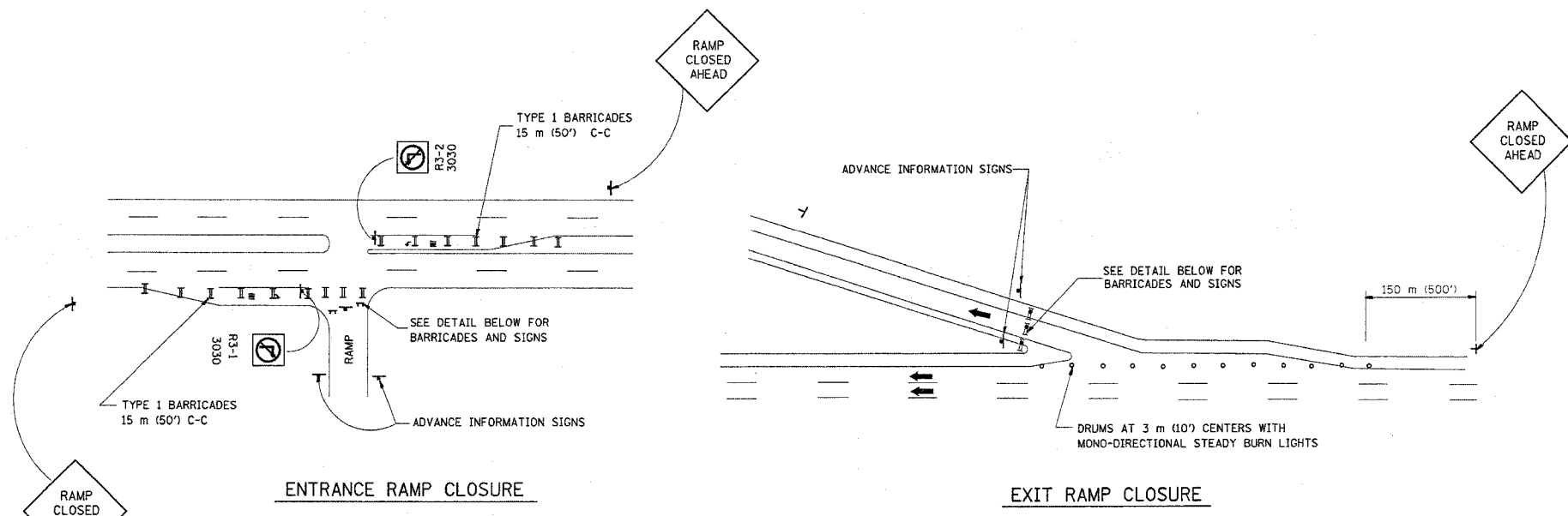
- ① 30.5 cm (12") WHITE CHANNEL MARKINGS
- ② 20.3 cm (8") WHITE CROSS-HATCHING AT 3.05 m (10') INTERVALS
- ③ 60.9 cm (24") WHITE STOP BAR CENTERED BETWEEN SIGNALS.

FOR INFORMATION ONLY - WORK UNDER THIS CONTRACT IS EXISTING SURVEILLANCE LOOP REPLACEMENT

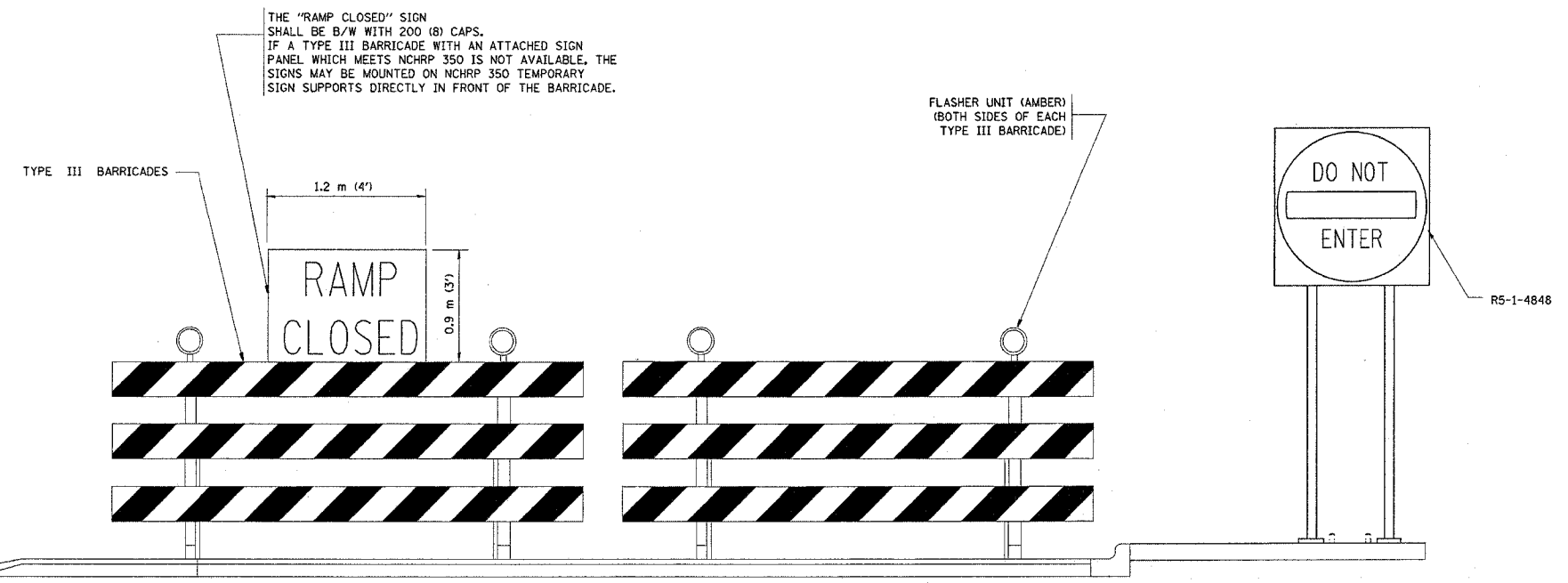
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		TYPICAL RAMP METERING STRIPING
SCALE: VERT. NONE HORIZ. DATE 04/12/2004		DRAWN BY CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	83	64
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*(1012, 1214, 1415, 1517)		RS-3		

62746



- GENERAL NOTES:
1. CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 700 (28) HIGH.
  2. STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
  3. A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
  4. FOR DAYTIME RAMP CLOSURES, LASTING 6 HOURS OR LESS, THE CONTRACTOR MAY ELIMINATE THE ADVANCE WARNING SIGNS ON THE EXIT GUIDE SIGNS.
  5. ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
  6. THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE CONSIDERED INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION.
  7. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.



**DETAIL FOR REQUIRED BARRICADES & SIGNS**

- NOTES:
1. CONES MAY BE SUBSTITUTED FOR TYPE I AND TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28" IN HEIGHT.
  2. STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
  3. THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS.
  4. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY-FOUR (24) HOURS IN LENGTH.

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

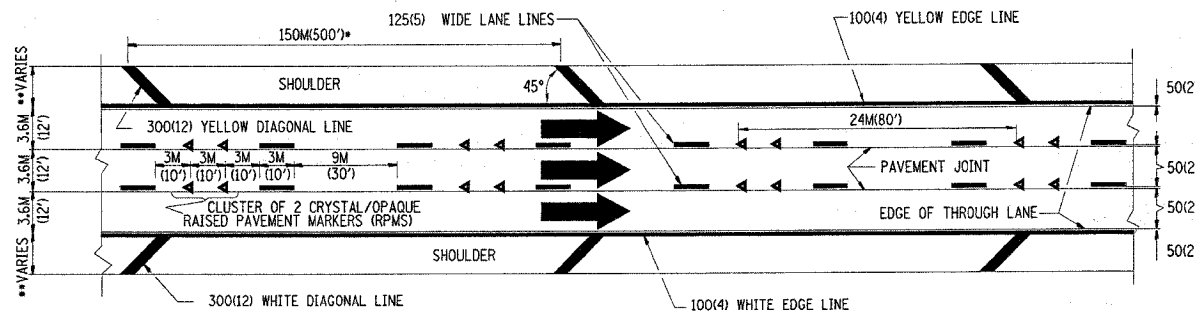
REVISIONS	
NAME	DATE
DWS	2-83
DWS	1/90
DWS	9/94
DWS	12/94
DWS/JAF	12/02
Revise devices to meet NCHRP 350	4/03

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**FREWAY  
ENTRANCE AND EXIT RAMP  
CLOSURE DETAILS**

SCALE: VERT. HORIZ. DATE 4/11/2005  
DRAWN BY  
CHECKED BY

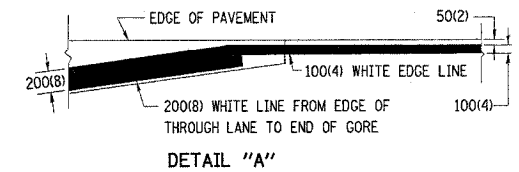
P.L. ETC.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9D	*	COOK	82	65
STA. TO STA.		FED. ROAD DIST. NO. 7		
* (1012, 1214, 1415, & 1517) RS-3		ILLINOIS		
		FED. AID PROJECT		
		62746		

- THE DIAGONAL LINES SHALL BE SPACED AT 12M (40') C-C ACROSS ALL STRUCTURES WHICH ARE 150M (500') OR LESS IN LENGTH
- THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 1.8M (6') OR LESS IN WIDTH

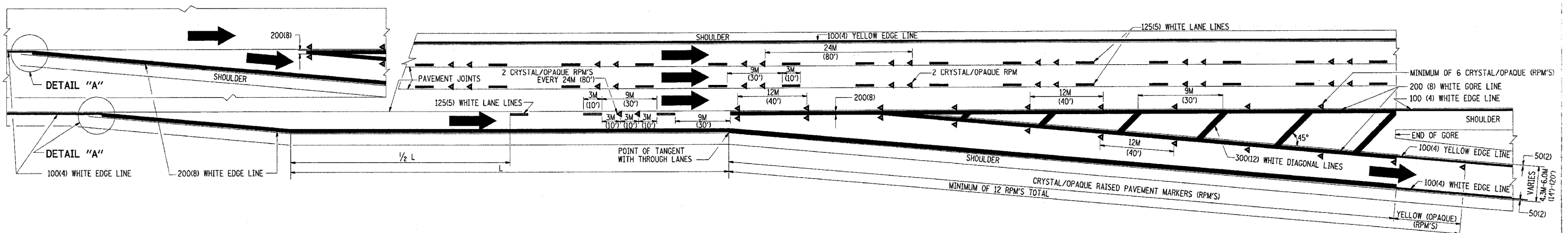


NOTES:

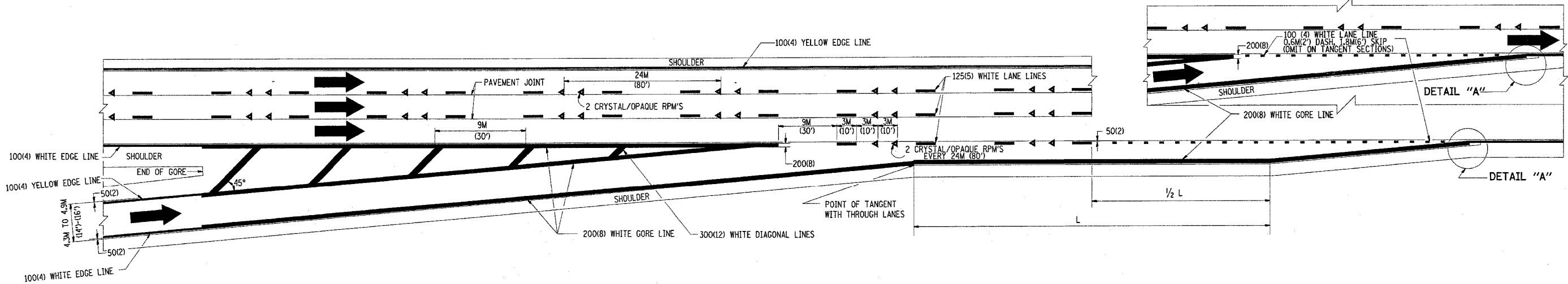
1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL LANE LINES
3. PREFORMED PLASTIC PAVEMENT MARKING LINE SHALL BE USED ON PCC PAVEMENT.



TYPICAL EDGE LINES & LANE LINES



TYPICAL EXIT RAMP PAVEMENT MARKINGS



TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS

ILLINOIS DEPARTMENT OF TRANSPORTATION

MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS

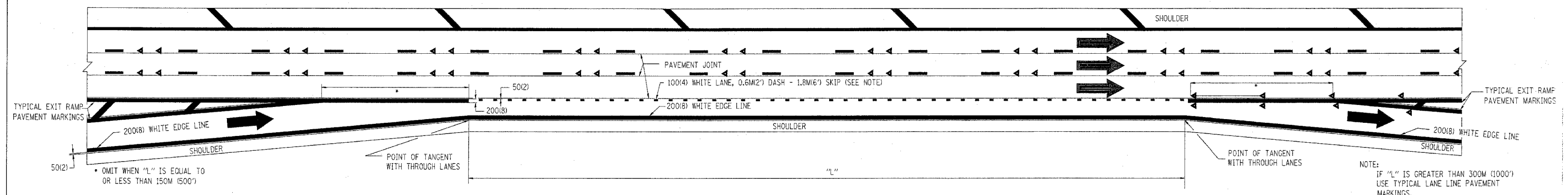
REVISIONS	
NAME	DATE
DWS	1/90
DWS	5/91
AH	3/96
DWS	7/96

SCALE: NONE  
DATE: 4/11/2005

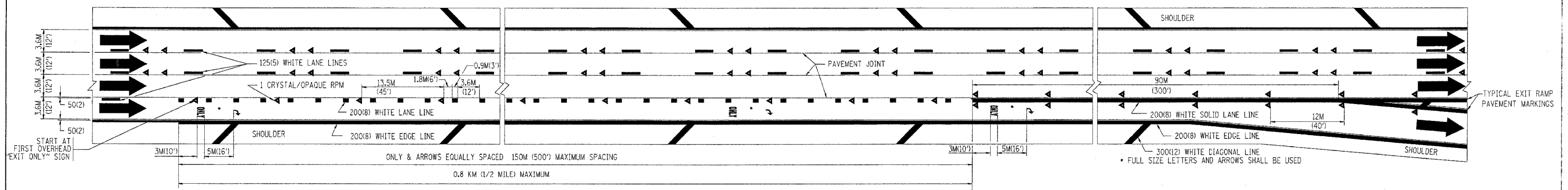
DRAWN BY C.A.D.D.  
CHECKED BY

TC12 SHEET 1 OF 2  
REVISION DATE: 01/01/96

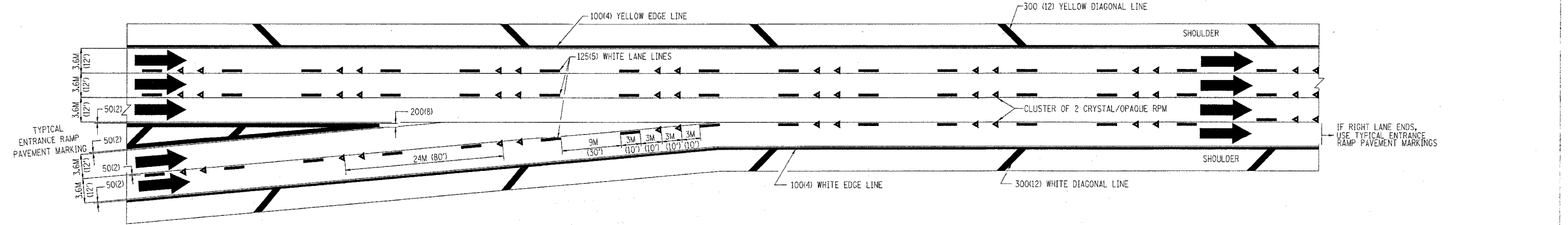
F. A. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	66
STA.	TO STA.			
FED. ROAD DIST. NO. 1	BIDLINE	FED. AID PROJECT		
*(1012, 1214, 1415, & 1517)RS-3				
62746				



TYPICAL ENTRANCE/EXIT RAMP COMBINATION PAVEMENT MARKINGS



TYPICAL EXIT ONLY LANE PAVEMENT MARKINGS



TYPICAL TWO LANE ENTRANCE RAMP PAVEMENT MARKINGS

REVISIONS	
NAME	DATE
DWS	1/90
DWS	5/91

ILLINOIS DEPARTMENT OF TRANSPORTATION

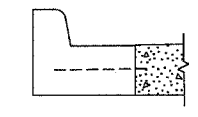
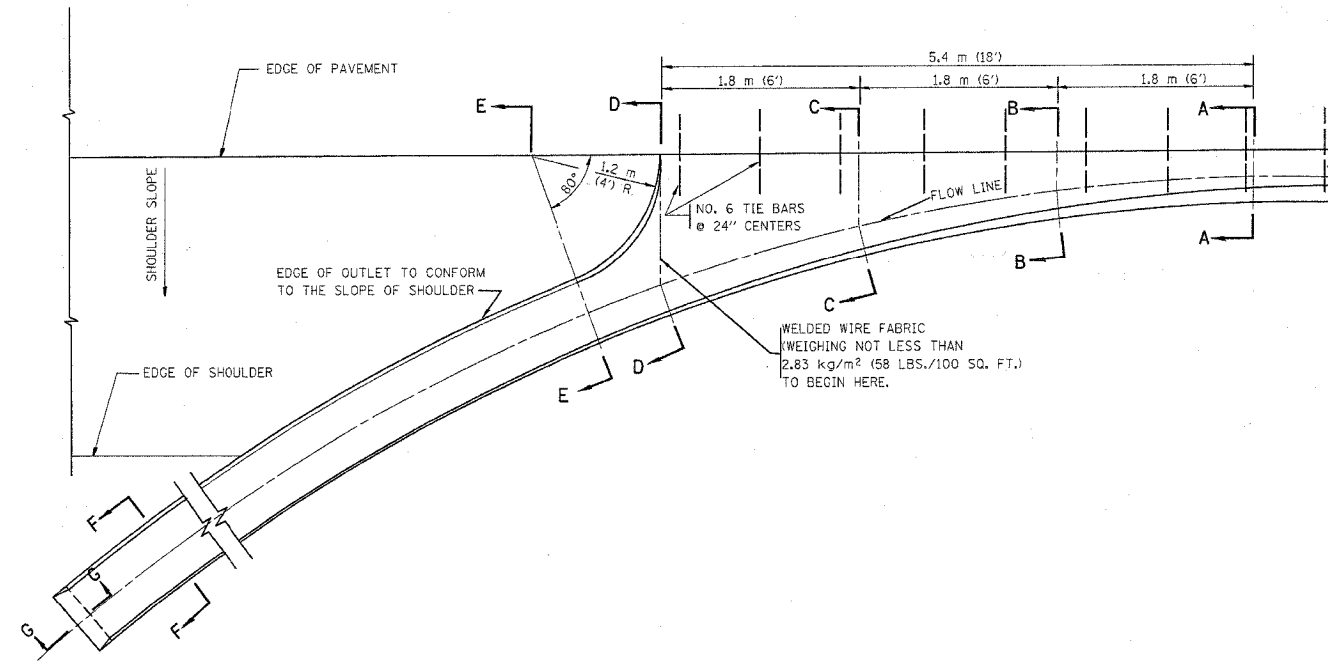
**MULTI-LANE FREEWAY  
PAVEMENT MARKING  
DETAILS**

SCALE: NONE  
DATE: 4/11/2005

DRAWN BY C.A.D.D.  
CHECKED BY  
TC12 SHEET 2 OF 2  
REVISION DATE: 01/01/96

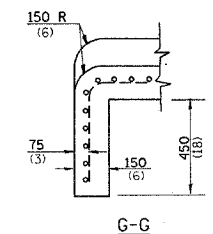
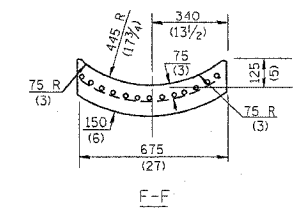
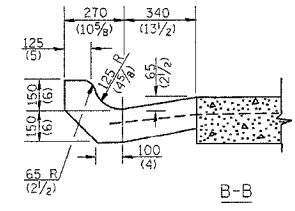
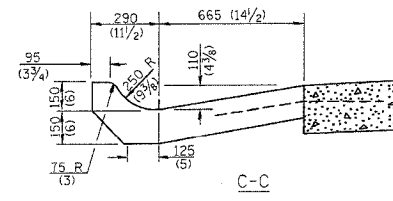
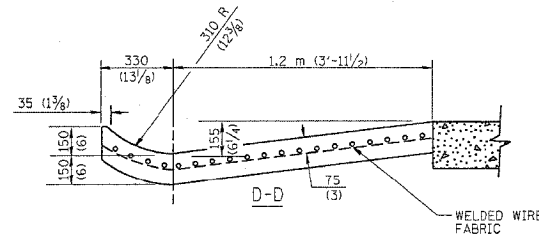
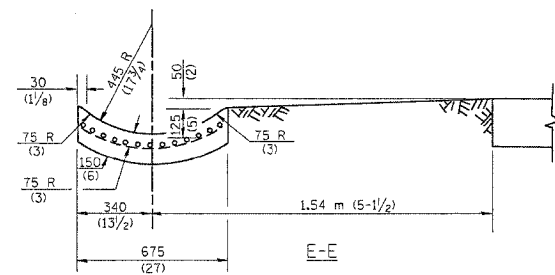
4/11/2005  
v:\d1stfd\l2.dgn  
VHTC12  
1/2/2005

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	67
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		*(1012, 1214, 1415, & 1517) RS-3		
		62746		



A-A \*

\* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-15.60 (B-6.24) SEE STATE STANDARD 606006.



**GENERAL NOTES**

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 600 (24) CENTERS UNLESS OTHERWISE SHOWN.

IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 1.8 m (6') FOR EACH 1% INCREASE IN GRADE.

**QUANTITIES**

FOR SECTION A-A TO E-E AND CURTAIN WALL =  
 0.96 m<sup>3</sup> (1.25 CU. YDS.) CLASS SI CONCRETE (OUTLET) FOR 225 (9) PAV'T.  
 0.97 m<sup>3</sup> (1.27 CU. YDS.) CLASS SI CONCRETE (OUTLET) FOR 250 (10) PAV'T.  
 FOR SECTION F-F =  
 0.03 m<sup>3</sup> (0.045 CU. YDS.) CLASS SI CONCRETE PER M (FT.).

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

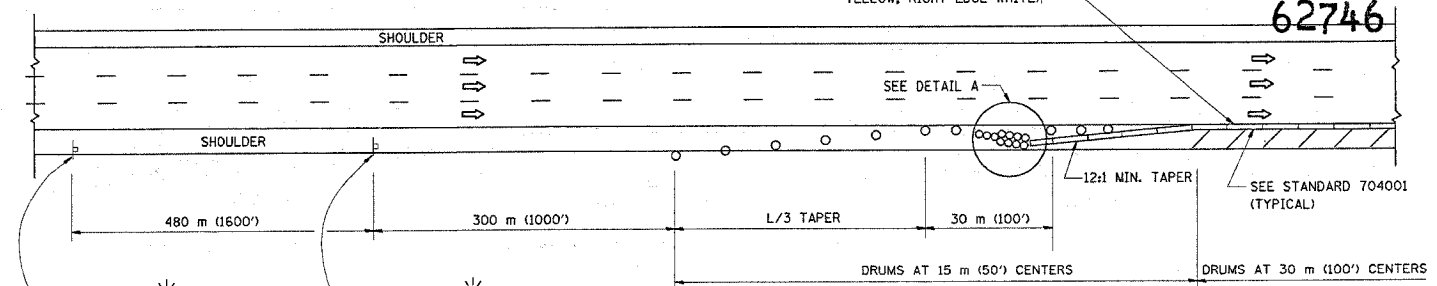
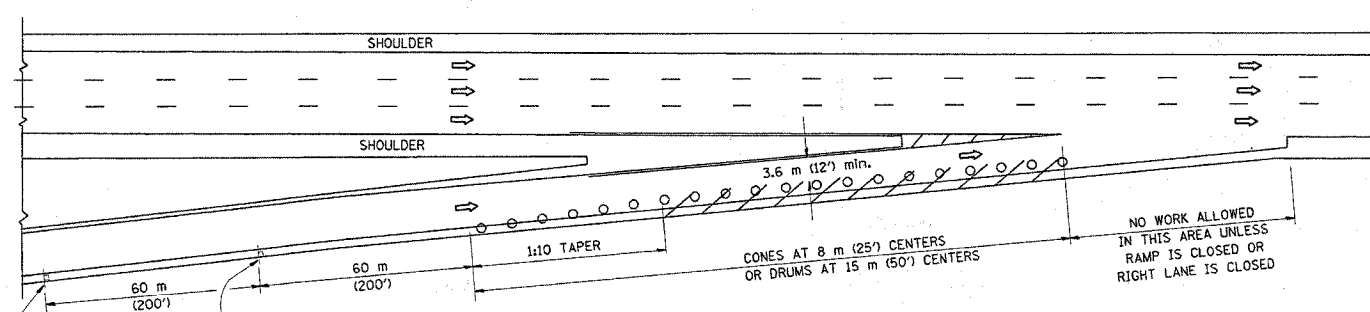
REVISIONS	
NAME	DATE
M. DE YONG	8/4/86
R. SHAH	09/09/94
R. SHAH	10/25/94
E. GOMEZ	12/21/00

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**OUTLET FOR CONCRETE CURB AND GUTTER**

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE: 4/8/2005  
 DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_  
 BD600-01 (BD-03)  
 REVISION DATE: 12/21/00

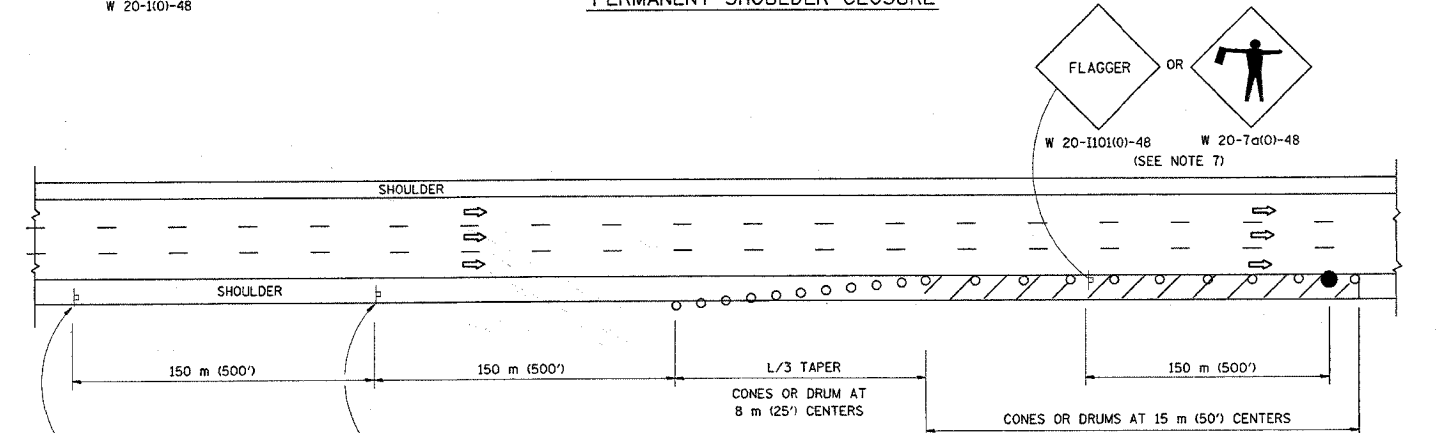
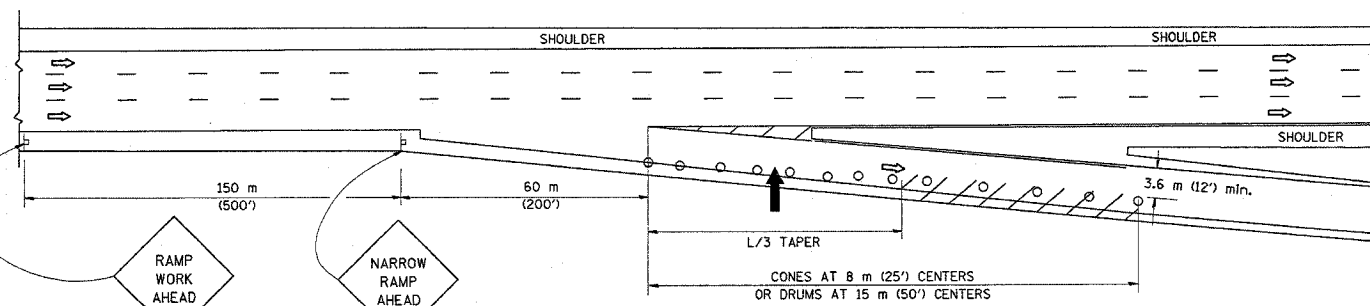
PARTIAL RAMP CLOSURE DETAILS

SHOULDER CLOSURE DETAILS



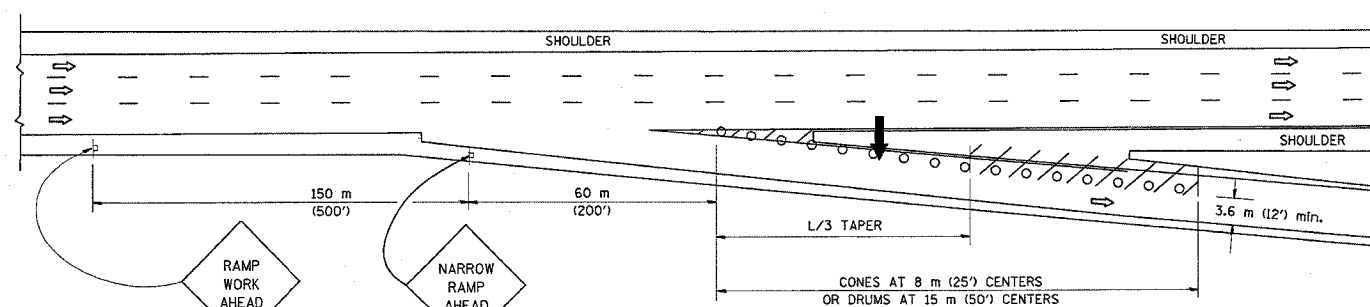
TYPICAL ENTRANCE RAMP

PERMANENT SHOULDER CLOSURE

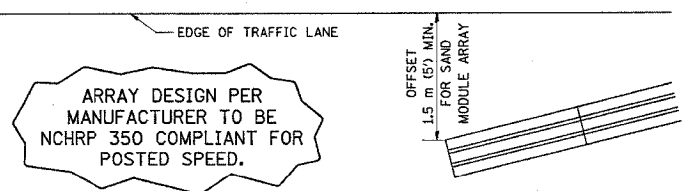


TYPICAL EXIT RAMP

DAYTIME SHOULDER CLOSURE



TYPICAL EXIT RAMP



DETAIL "A"  
 IMPACT ATTENUATOR, TEMPORARY  
 (SEE NOTE 5)

SYMBOLS

- ↑ ARROWBOARD
- ▨ WORK AREA
- ┆ SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- ⊙ DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- CONES - 700 (28) IN HEIGHT

GENERAL NOTES

1. THE "L" DISTANCE EQUALS:  
 SPEED LIMIT FORMULAS  
 80 km/h (45 mph) METRIC ENGLISH  
 OR GREATER:  $L=0.65(W)(S)$   $L=(W)(S)$   
 W = WIDTH OF OFFSET IN METERS (FEET)  
 S = NORMAL POSTED SPEED KM/H (MPH)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS OUTSIDE THE CLEAR ZONE OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE "TRAFFIC BARRIER TERMINAL, TYPE III, TEMPORARY" DEVICE TO MEET NCHRP350 FOR POSTED SPEED.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
  - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
  - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 30 m (100') TO 60 m (200') IN ADVANCE OF THE WORKERS.

REVISIONS	
NAME	DATE
DWS	11/96
JAF	12/02
NCHRP 350	04/03

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS  
 FOR FREEWAY  
 SHOULDER CLOSURES  
 PARTIAL RAMP CLOSURES

SCALE: NONE  
 DATE: 4/11/2005

DRAWN BY: DWS  
 DESIGNED BY: DWS  
 CHECKED BY:  
 TC-17

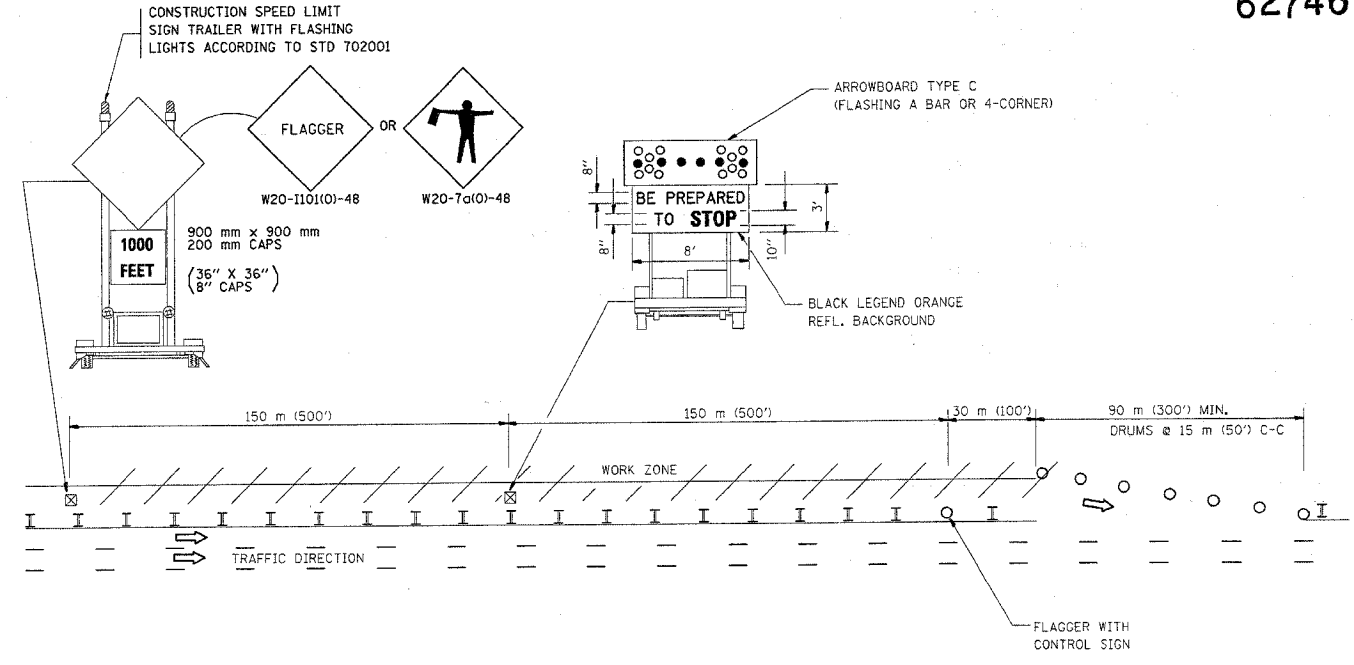
REVISION DATE: 04/24/03



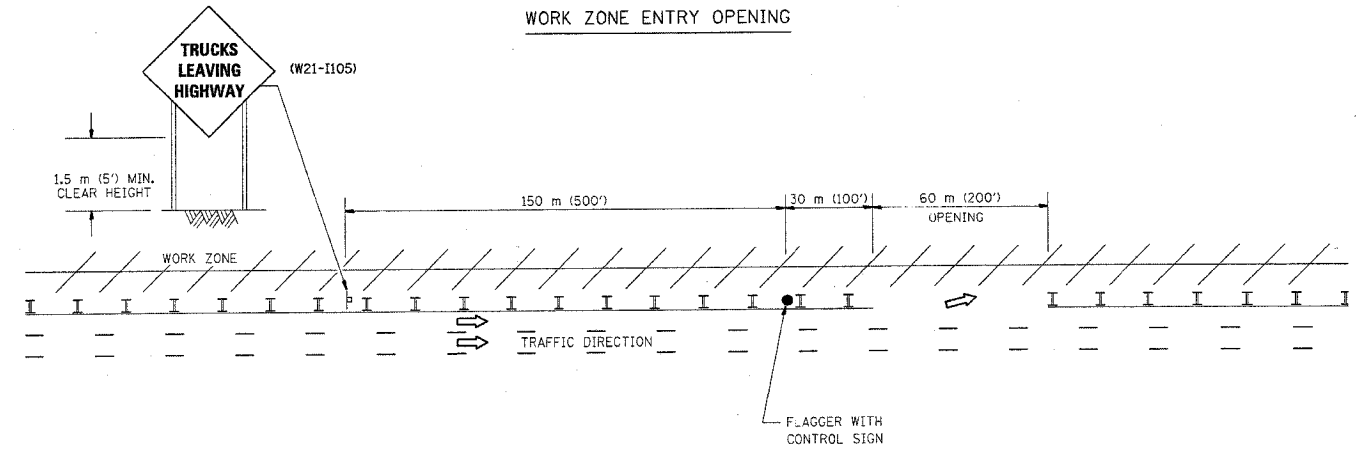
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	Cook	82	69
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (1012, 1214, 1415, #1517) RS-3		62746		

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. The Arrowboard, the Flagger Ahead trailer mounted sign, and the Trucks Leaving Highway sign shall be removed or turned away from traffic and the exit and entry openings shall be closed when the flagging operation ceases.
2. Work Zone Exit Openings should be a minimum of one half mile apart.
3. Exiting the work zone at any place other than at a Work Zone Exit Opening will be prohibited.
4. All vehicles shall enter the work zone at entry openings, using their turn signals to warn motorists

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN

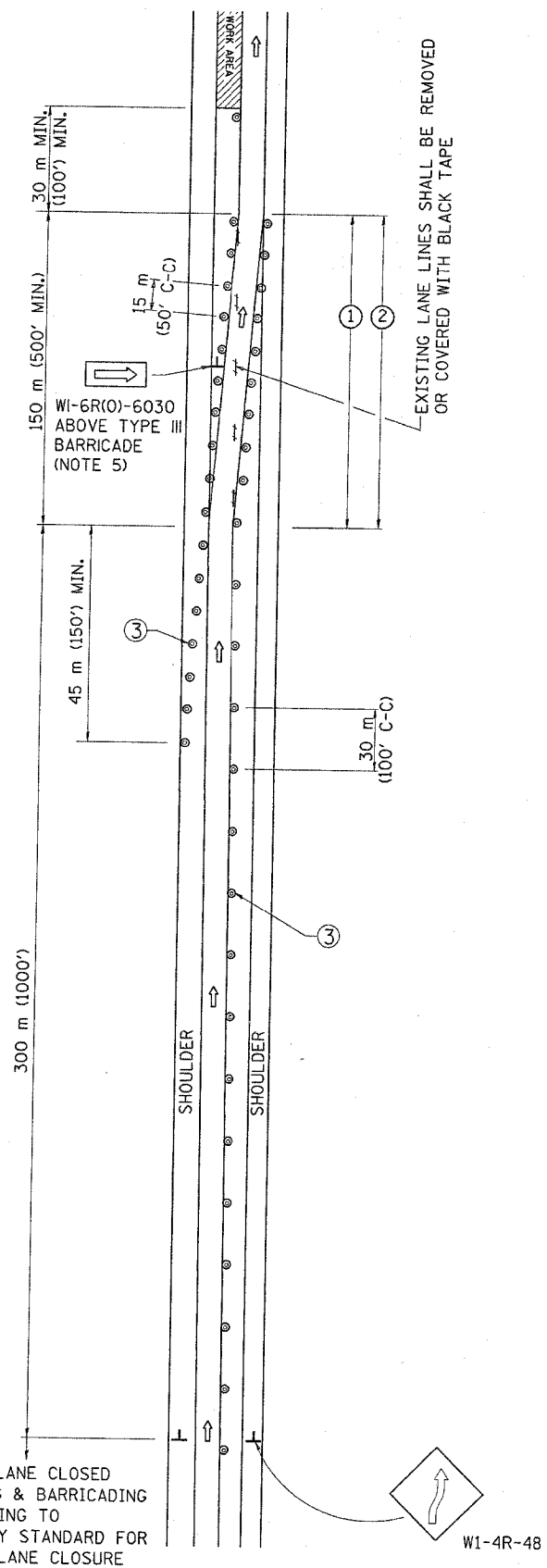
ILLINOIS DEPARTMENT OF TRANSPORTATION

REVISIONS	
NAME	DATE
DWS	8/98
JAF	4/03

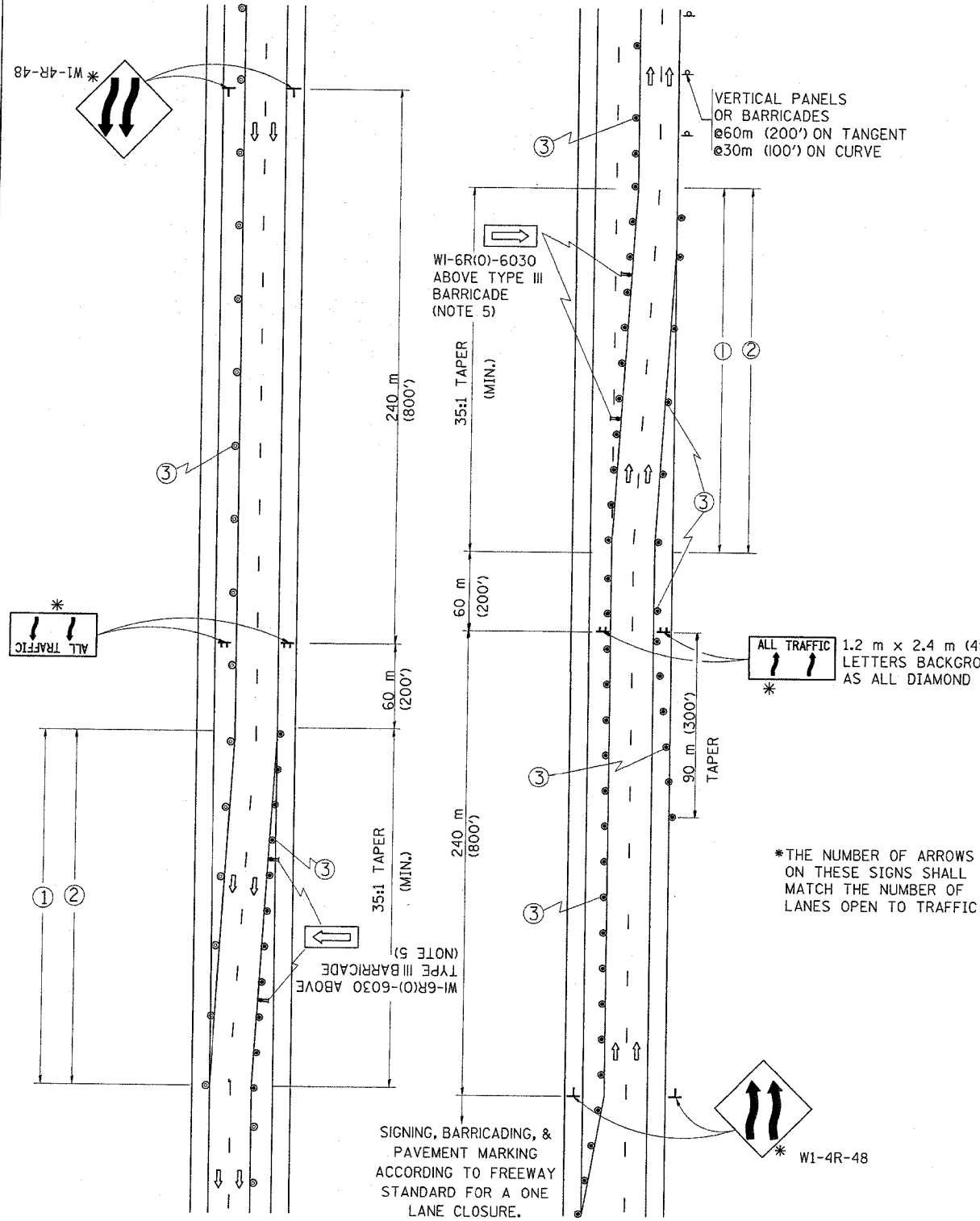
SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

SCALE: NONE  
DATE: 4/11/2005  
DRAWN BY: CADD  
CHECKED BY: TC-18

# SINGLE LANE WEAVE



# MULTI-LANE WEAVE



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	Cook	82	70
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*(1012, 1214, 1415 & 1517)		R5-3		

62746

### GENERAL NOTES

- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED OR COVERED WITH BLACK TAPE. PAVEMENT MARKING REMOVAL OR BLACK TAPE SHALL NOT BE REQUIRED FOR LANE CLOSURES UNDER 24 HOURS IN DURATION.
- CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 90 m (300') ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVE LANE LINES SHALL BE 3 M-9 M (10'-30') SKIP DASH, WHITE.
- PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 15 m (50') C-C SPACING IN TAPERS AND 30 m (100') C-C SPACING IN TANGENTS.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS DIRECTLY IN FRONT OF THE BARRICADE.

### SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN

REVISIONS	
NAME	DATE
DWS	2/87
DWS	1/90
DWS	12/27/94
DWS	11/96
JAF	4/03

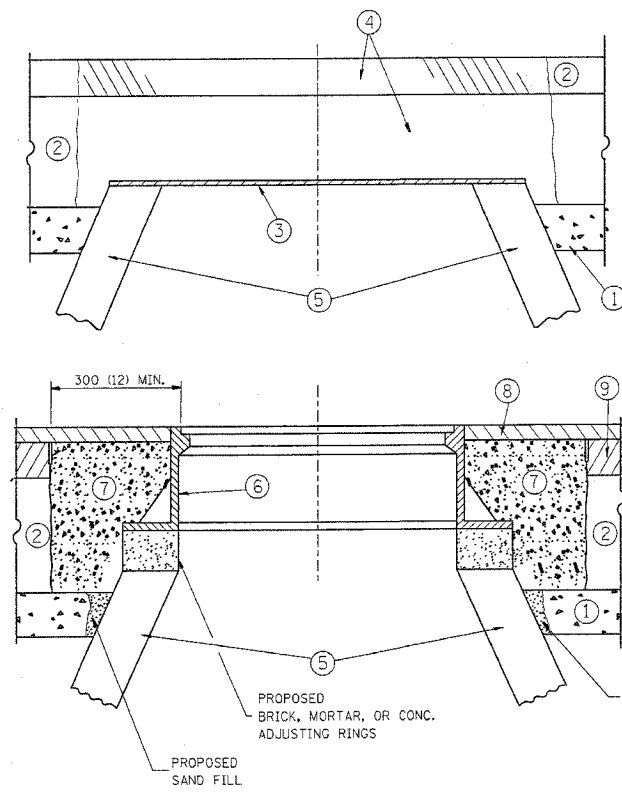
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TRAFFIC CONTROL DETAILS**  
 FOR FREEWAY  
 SINGLE & MULTI-LANE WEAVE

SCALE: VERT.  
 HORIZ.  
 DATE 4/28/2005

DRAWN BY R.H.  
 CHECKED BY

TC-9  
 REVISION DATE: 04/20/03

F.A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	71
STA.	TO STA.			
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*(1012, 1214, 1415, & 1517) RS-3 62746				



**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 300 (12) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 900 (36) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 40 (1 1/2) THICK BITUMINOUS MATERIAL APPROVED BY THE ENGINEER.

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE BITUMINOUS MATERIAL AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE, OR BITUMINOUS CONCRETE SURFACE OR BINDER COURSE MATERIAL TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

**LEGEND**

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 900 (36) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND BITUMINOUS MATERIAL
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS SI CONCRETE, BITUMINOUS CONCRETE SURFACE OR BINDER COURSE MATERIAL
- ⑧ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE
- ⑨ PROPOSED BITUMINOUS CONCRETE BINDER COURSE

**NOTES:**

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

**LOCATION OF STRUCTURES:**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT:** FRAMES AND LIDS TO BE ADJUSTED, SPECIAL EACH

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN

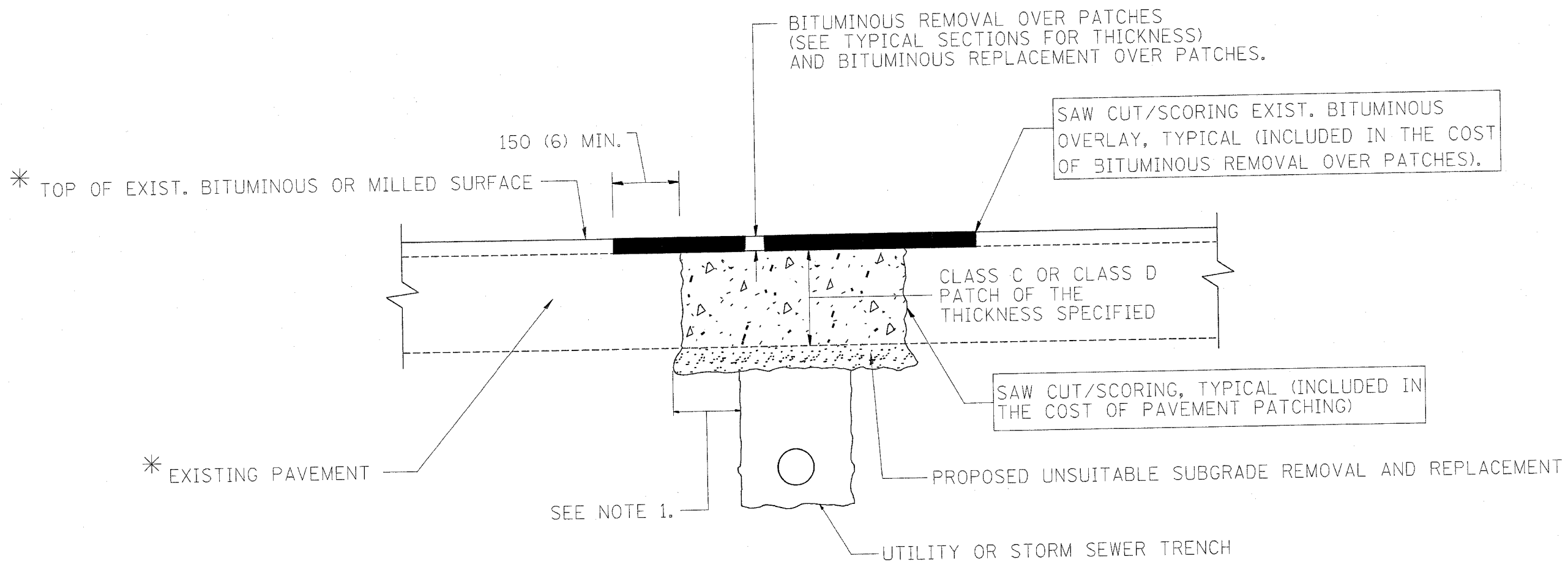
ILLINOIS DEPARTMENT OF TRANSPORTATION

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97
R. WIEDEMAN	05/14/04

SCALE: NONE  
DATE: 4/8/2005

DRAWN BY  
CHECKED BY  
BD600-03 (BD-8)  
REVISION DATE: 05/17/04



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 300 (12) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE SPECIAL PROVISION "PATCHING WITH BITUMINOUS OVERLAY REMOVAL".

**SEQUENCE OF CONSTRUCTION**

1. REMOVE THE EXISTING BITUMINOUS MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE BITUMINOUS MATERIAL OVER THE AREA TO BE PATCHED.

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

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/14/95
R. SHAH	03/23/95
R. SHAH	04/24/95
A. HOUSEH	03/15/96
A. ABBAS	03/21/97
A. ABBAS	01/20/98
ART ABBAS	04/27/98

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PAVEMENT PATCHING FOR BITUMINOUS SURFACED PAVEMENT**

SCALE: VERT. DATE 4/11/2005

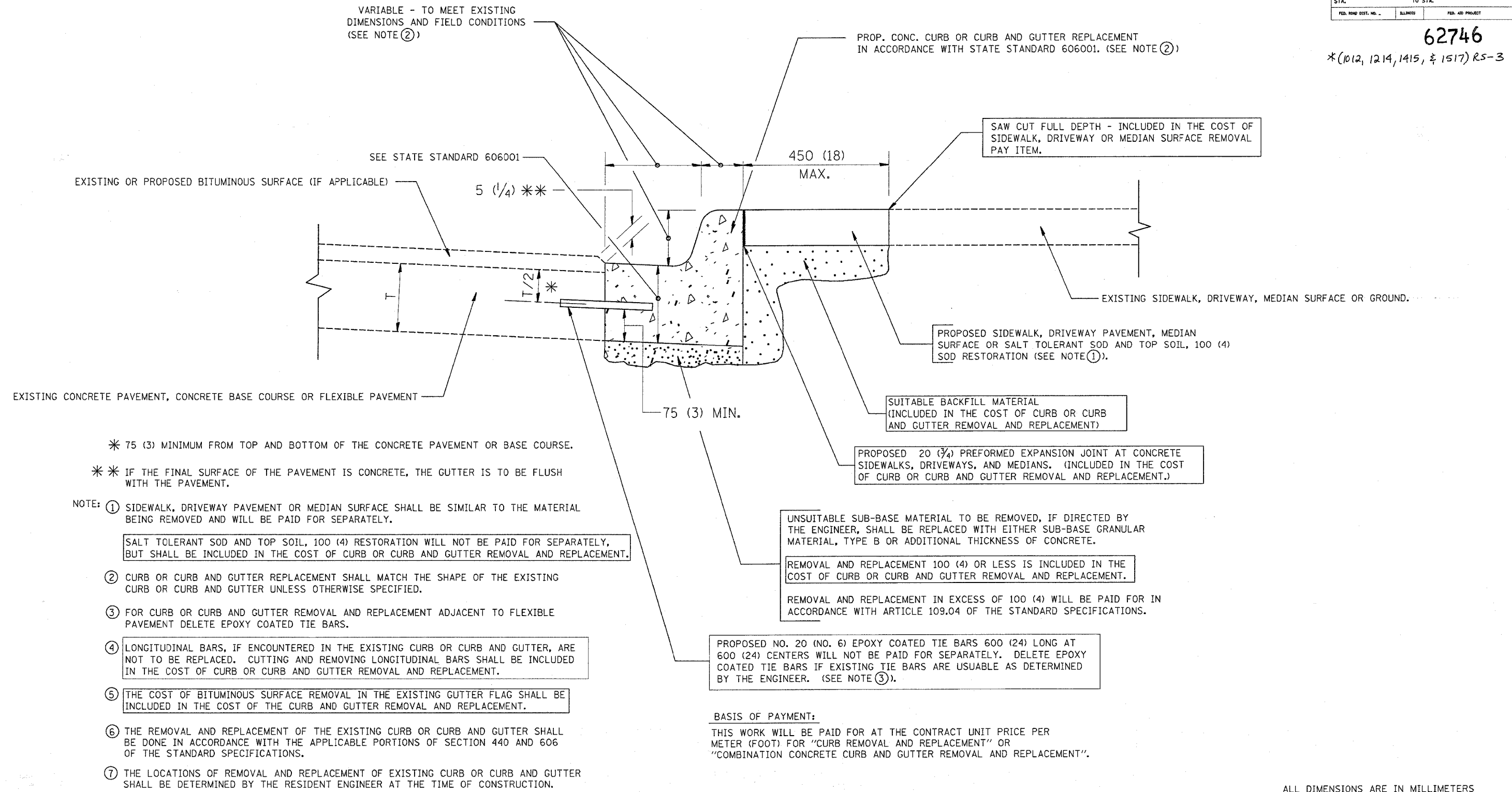
DRAWN BY CHECKED BY

BD400-04 (6D-22) REVISION DATE: 04/27/98

P.L. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	73
STA.		TO STA.		
FED. ROAD DIST. NO.	BLANKS	FED. AID PROJECT		

62746

\*(1012, 1214, 1415, & 1517) RS-3



VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE 2)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE 2)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SALT TOLERANT SOD AND TOP SOIL, 100 (4) SOD RESTORATION (SEE NOTE 1).

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 20 (3/4) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

UNUSABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 100 (4) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 100 (4) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED NO. 20 (NO. 6) EPOXY COATED TIE BARS 600 (24) LONG AT 600 (24) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE 3).

**BASIS OF PAYMENT:**  
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER METER (FOOT) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

- \* 75 (3) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- \* \* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

- NOTE:
- 1 SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
  - 2 CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
  - 3 FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
  - 4 LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
  - 5 THE COST OF BITUMINOUS SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
  - 6 THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
  - 7 THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

SALT TOLERANT SOD AND TOP SOIL, 100 (4) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

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

## CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

REVISIONS	
NAME	DATE
M. DE YONG	05/28/91
A. HOUSEH	03/11/94
R. SHAH	02/24/95
R. SHAH	03/02/95
R. SHAH	08/19/96
R. SHAH	09/12/96
R. SHAH	09/19/96
R. SHAH	10/03/96
A. ABBAS	03/21/97
M. GOMEZ	01/22/01

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT**

SCALE: NONE  
DATE 4/11/2005  
DRAWN BY  
CHECKED BY  
BD600-06 (BD-24)

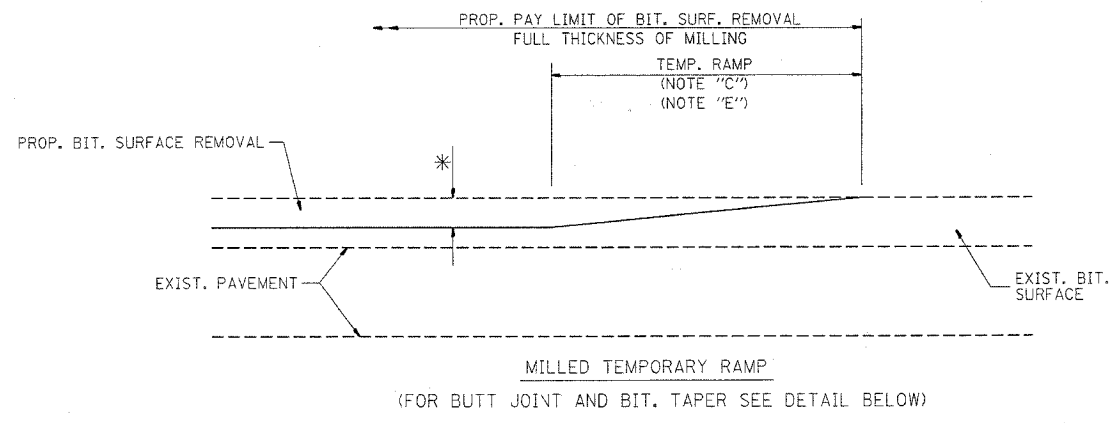
REVISION DATE: 12/06/88

F.A.L. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	85	74
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

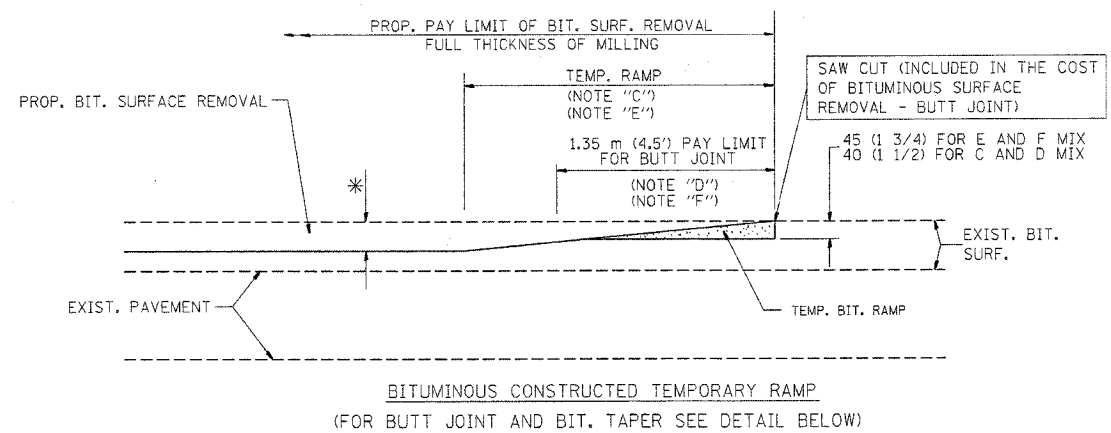
62746

\*(1012, 1214, 1415, & 1517)RS-3  
SAW CUT (INCLUDED IN THE COST OF BITUMINOUS SURFACE REMOVAL - BUTT JOINT)

45 (1 3/4) FOR E AND F MIX  
40 (1 1/2) FOR C AND D MIX

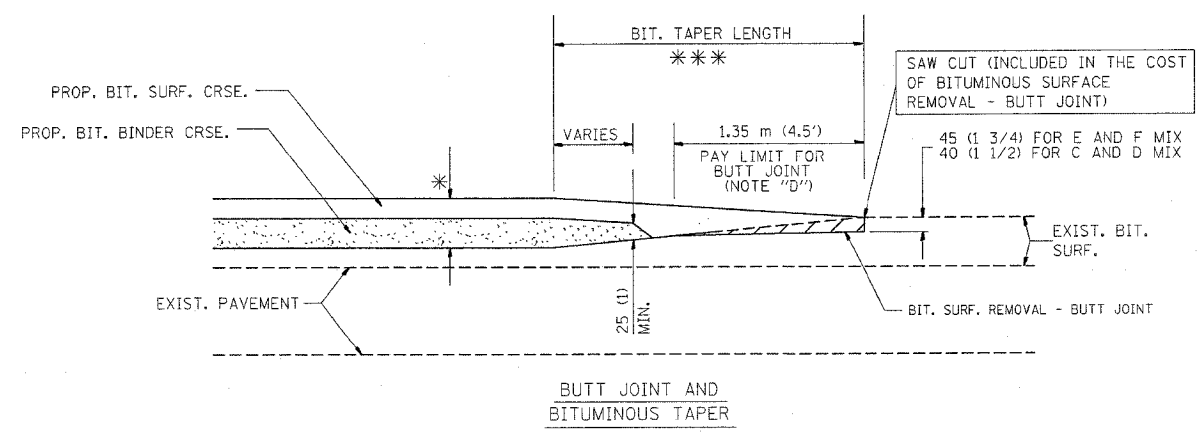


OPTION 1

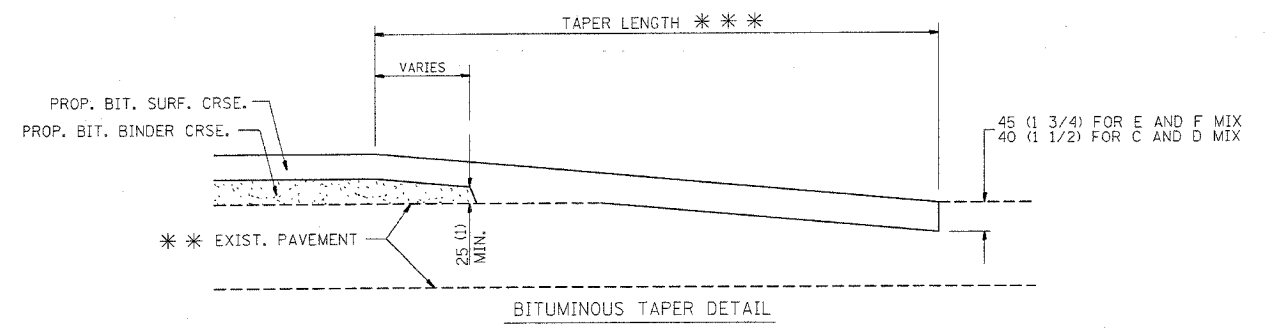
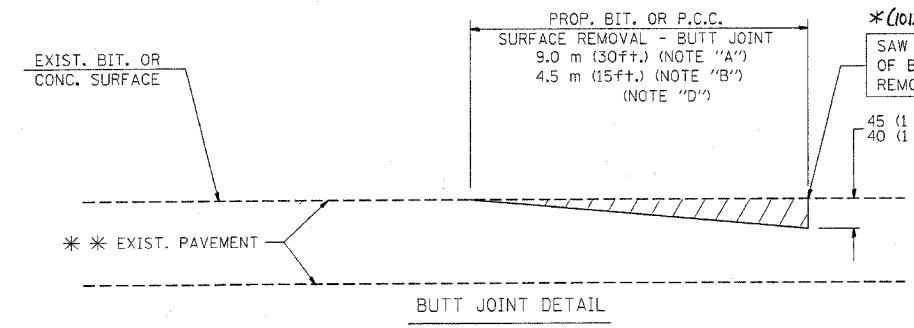


OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND BITUMINOUS TAPER FOR MILLING AND RESURFACING



TYPICAL BUTT JOINT AND BITUMINOUS TAPER FOR RESURFACING ONLY

\*\*\* PC CONCRETE, BITUMINOUS OR BITUMINOUS RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
  - B: MINOR SIDE ROADS.
  - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING BITUMINOUS SURFACE.
  - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED BITUMINOUS COURSES.
  - E: TAPER THE TEMP. RAMP AT A RATE OF 900 (3 ft.) PER INCH OF MILLING THICKNESS.
  - F: INSTALLATION AND REMOVAL OF THE 1.35 m (4.5') TEMP. BIT. RAMP WILL BE PAID AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT".
  - G: SEE ARTICLE 406.18 AND 406.24 OF THE STANDARD SPECIFICATIONS FOR "BITUMINOUS AND PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

\*\*\* 6.1 m (20') PER 25 (1) RESURFACING (NOTE "A")  
3.0 m (10') PER 25 (1) RESURFACING (NOTE "B")

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND BITUMINOUS TAPER DETAILS

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR PER SQUARE METER (SQUARE YARD.) AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT" OR AS "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01

SCALE: NONE  
DATE PLOTTED: 4/11/2005

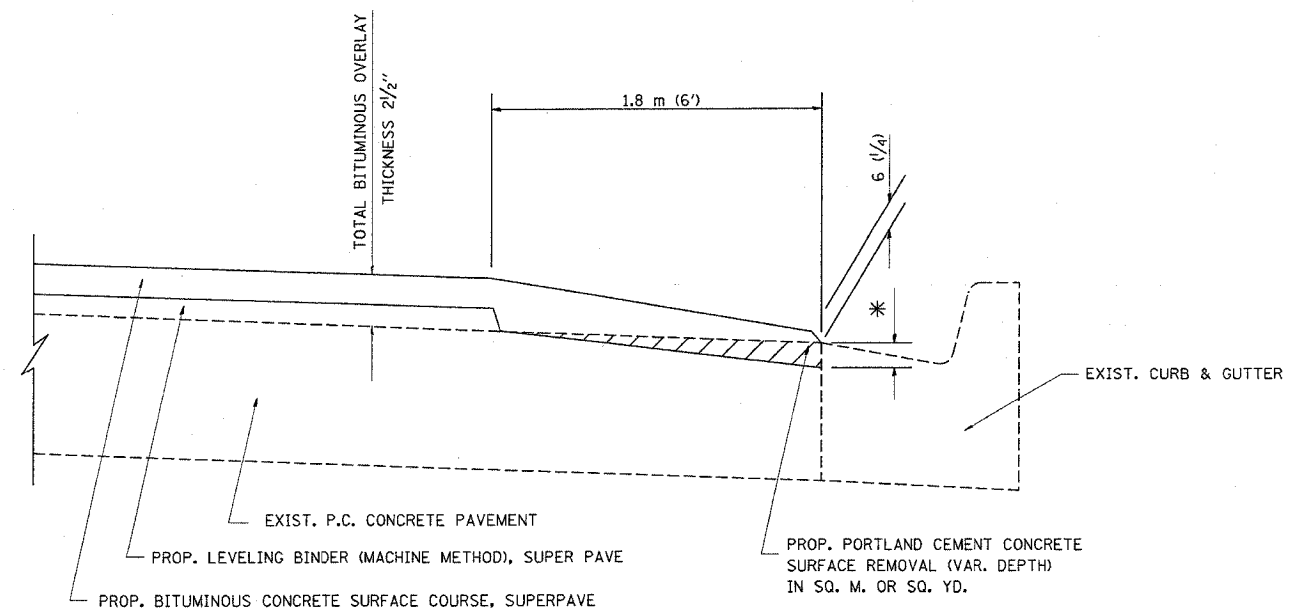
DRAWN BY  
CHECKED BY

BD400-05 (V1-BD32)

REVISION DATE: 04/06/01

F. A. I. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	32	75
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

62746  
 \* (1012, 1214, 1415, & 1517) RS-3



BITUMINOUS TAPER AT  
 EDGE OF P.C.C PAVEMENT

SUPERPAVE	LEVELING BINDER SUPERPAVE		* MILLING AT GUTTER FLAG
SURFACE MIX	THICKNESS	THICKNESS	
C OR D	38 (1 1/2)	25 (1)	33 (1 1/4)
E OR F	44 (1 3/4)	19 (3/4)	38 (1 1/2)

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 BITUMINOUS TAPER AT  
 EDGE OF P.C.C. PAVEMENT

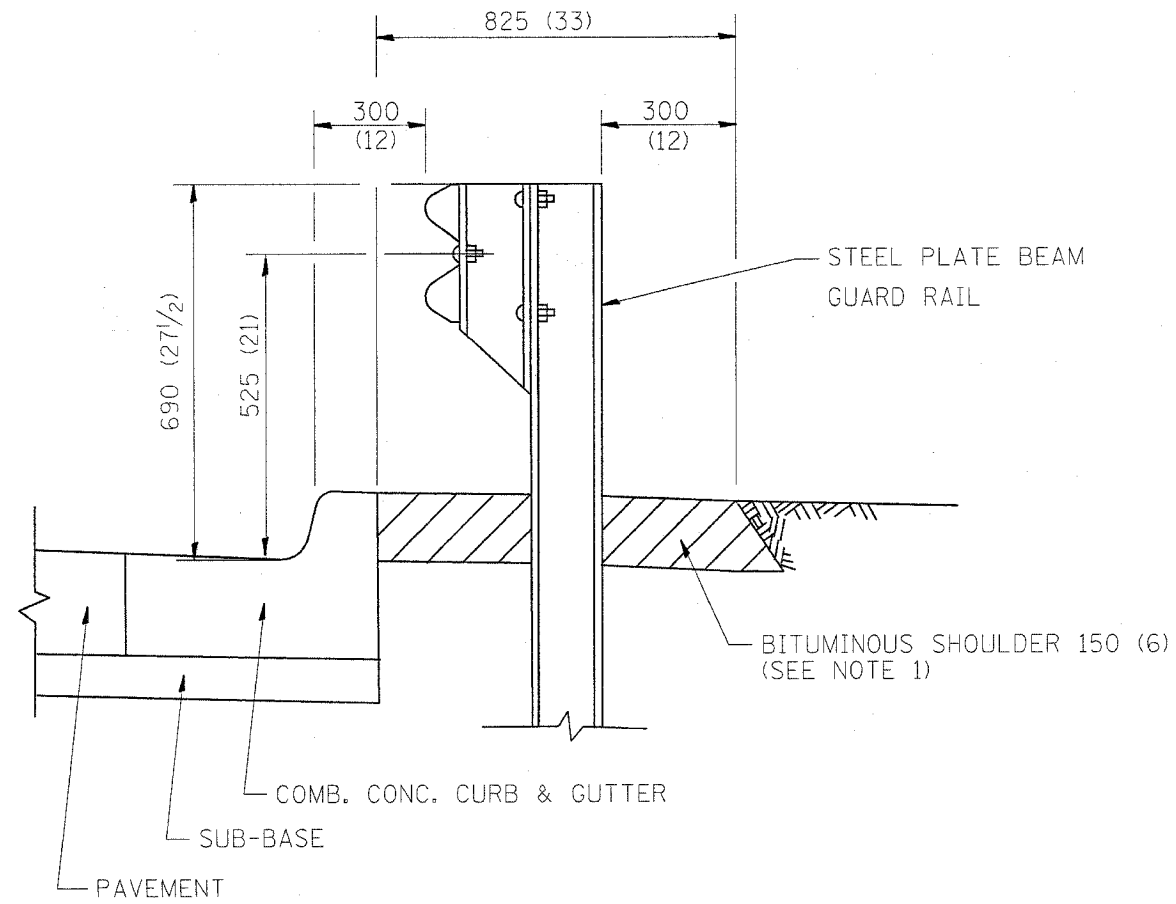
REVISIONS	
NAME	DATE
R. SHAH	09/10/94
R. SHAH	10/25/94
A. ABBAS	05/05/99
E. GOMEZ	12/21/00

SCALE: NONE  
 DATE 4/11/2005  
 DRAWN BY jjs  
 CHECKED BY A. ABBAS  
 BD400-06 (B033)

P. A. I. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	Cook	82	76
STA.		TO STA.		
FED. ROAD DIST. NO.		FED. AID PROJECT		

**62746**

\* (1012, 1214, 1415, & 1517) RS-3

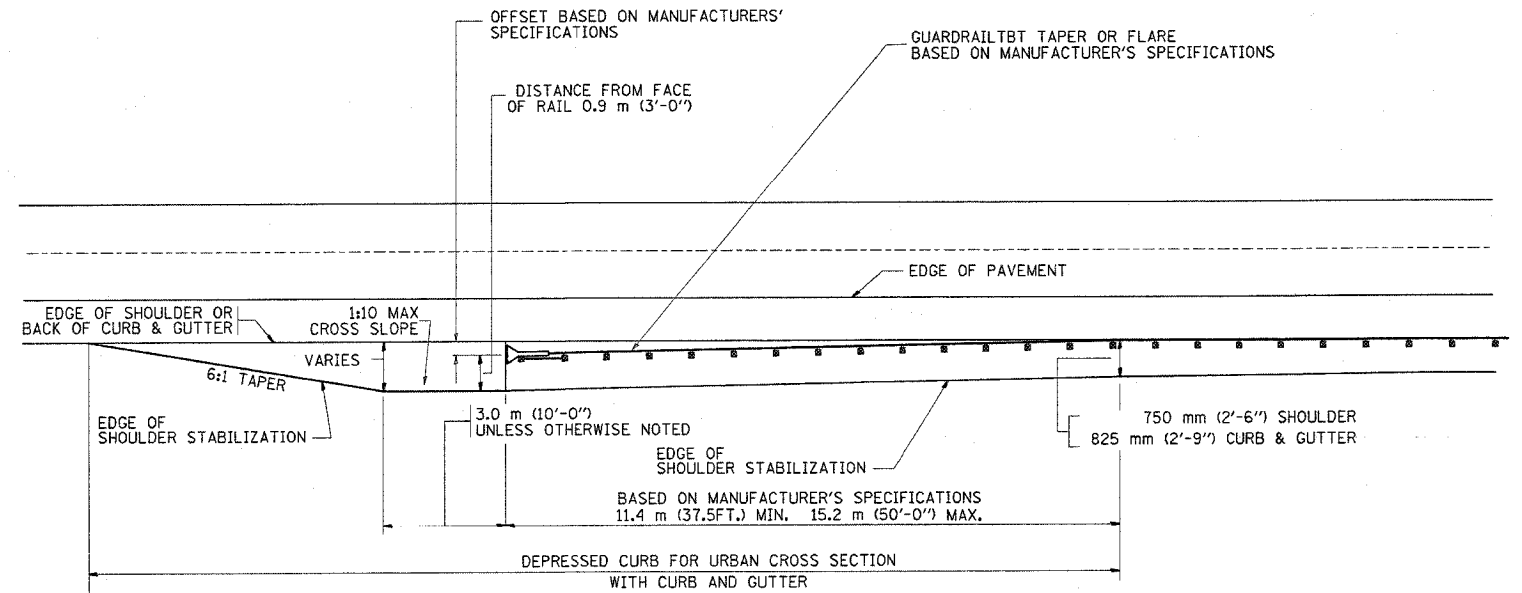


- NOTES: 1. THE BITUMINOUS SHOULDER SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL
2. GUARD RAIL MAY BE PLACED AT THE BACK OF CURB WHEN DIRECTED BY THE ENGINEER.

BASIS OF PAYMENT: BITUMINOUS SHOULDER 150 (6) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER m<sup>2</sup> (sq. yd.) AS "BITUMINOUS SHOULDER 150 (6)."

STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER  
 [FOR ROADWAY SPEED 60 kmh (35 MPH) TO 70 kmh (45 MPH)]



STABILIZATION AT TBT TY. 1 SPL.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DETAILS FOR  
 STEEL PLATE BEAM GUARD RAIL  
 ADJACENT TO CURB AND GUTTER  
 STABILIZATION AT TBT TY 1 SPL.

REVISIONS	
NAME	DATE
M. DE YONG	09-22-90
M. DE YONG	07-14-92
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	02/23/95
A. ABBAS	03/21/97
E. GOMEZ	08/28/00

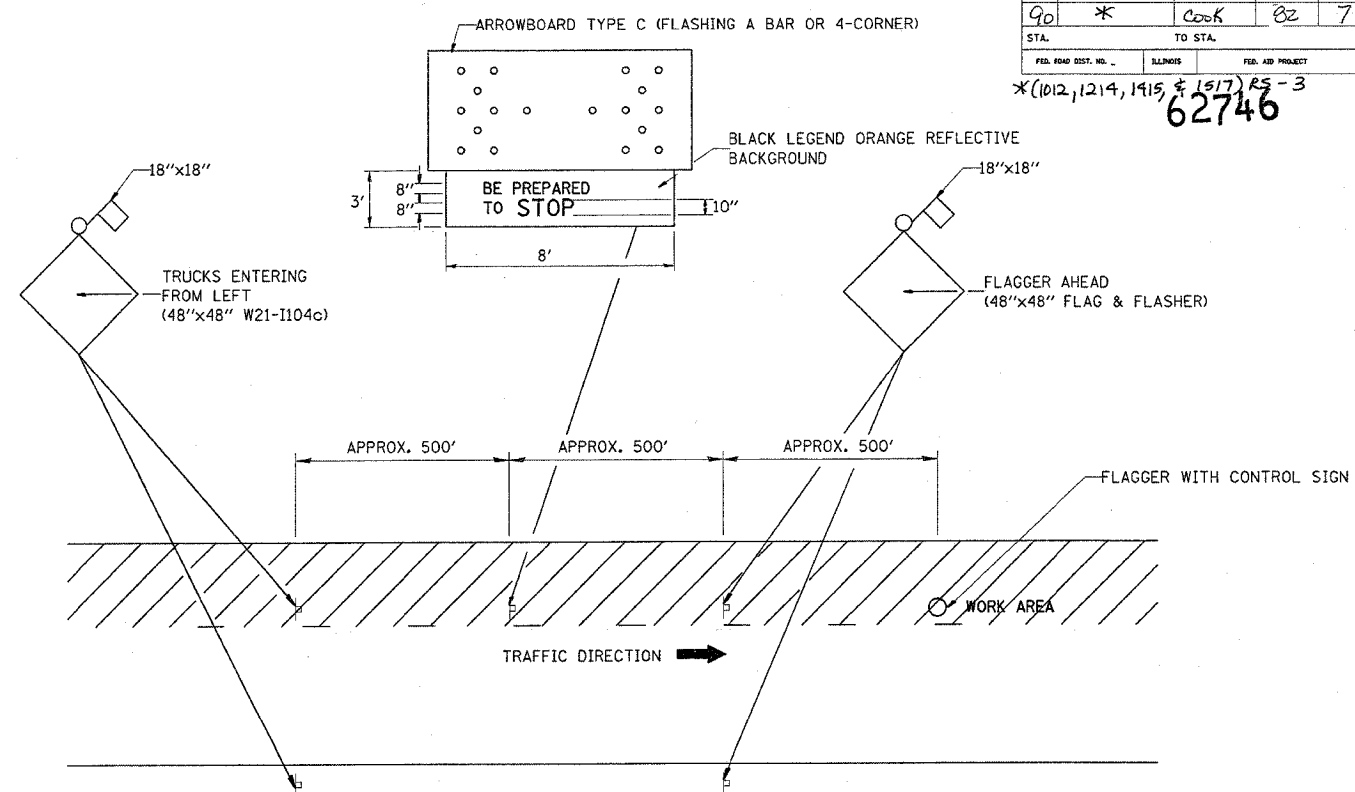
SCALE: NONE  
 DATE 4/11/2005  
 DRAWN BY jls  
 CHECKED BY

BD600-10 (BD 34)  
 REVISION DATE: 08/28/00



P.L.L. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	77
STA.	TO STA.			
FED. ROAD DIST. NO.	ALPHABET	FED. AID PROJECT		

\* (1012, 1214, 1415, 1517) RS - 3  
62746



**METHOD OF FLAGGING**

**NOTE:**

1. SIGNS SHALL BE MOUNTED AT A MINIMUM CLEARANCE HEIGHT OF 5 FEET
2. ALL SIGNS SHALL BE REMOVED WHEN THE FLAGGING OPERATION CEASES.
3. THIS CASE ALSO APPLIES WHEN THE WORK ZONE IS ON THE RIGHT. UNDER THESE CONDITIONS "TRUCKS ENTERING FROM RIGHT" SIGNS SHALL BE SUBSTITUTED FOR "TRUCKS ENTERING FROM LEFT" SIGNS. ALSO THE ARROWBOARD AND "BE PREPARED TO STOP" SIGNS SHALL BE RELOCATED TO THE RIGHT SIDE OF THE ROAD.
4. WORK ZONE ACCESS POINTS SHOULD BE A MINIMUM OF ONE HALF MILE APART. MEDIAN WORK ZONE ACCESS POINTS SHOULD NOT BE LOCATED OPPOSITE OF EACH OTHER.
5. NIGHTTIME FLAGGING OPERATIONS: THE FLAG STATION SHALL BE LIGHTED WITH ADDITIONAL LIGHTS OTHER THAN STREET LIGHTS. THE FLAGGER CONTROL SIGN AND THE FLAGGER'S VEST SHALL BE REFLECTORIZED. IN ADDITION, THE FLAGGER SHALL HAVE A FLASHLIGHT OR LIGHTED WAND.

REVISIONS	
NAME	DATE
RAY RITCHIE	5/10/00

ILLINOIS DEPARTMENT OF TRANSPORTATION

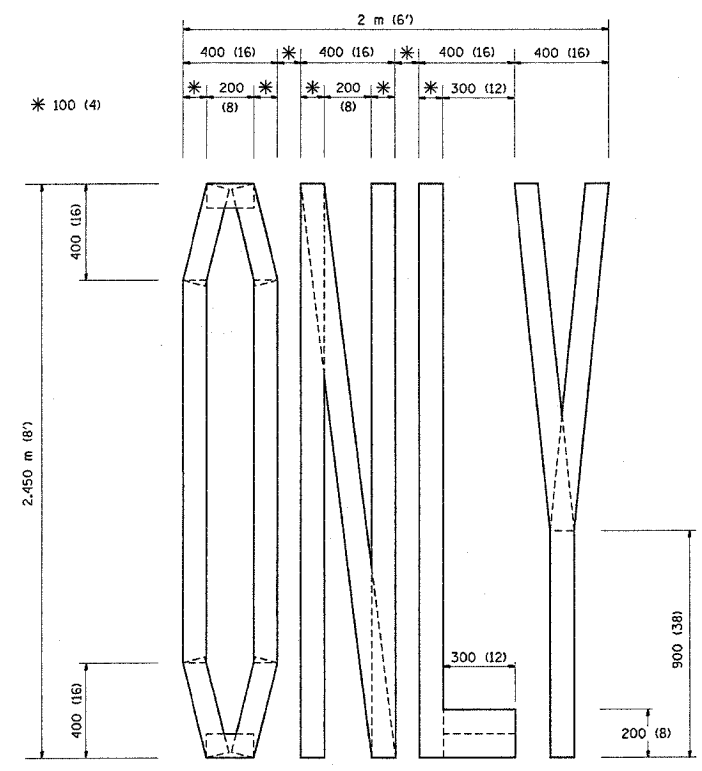
**METHOD OF FLAGGING**

SCALE: NOT TO SCALE  
DATE 4/8/2005

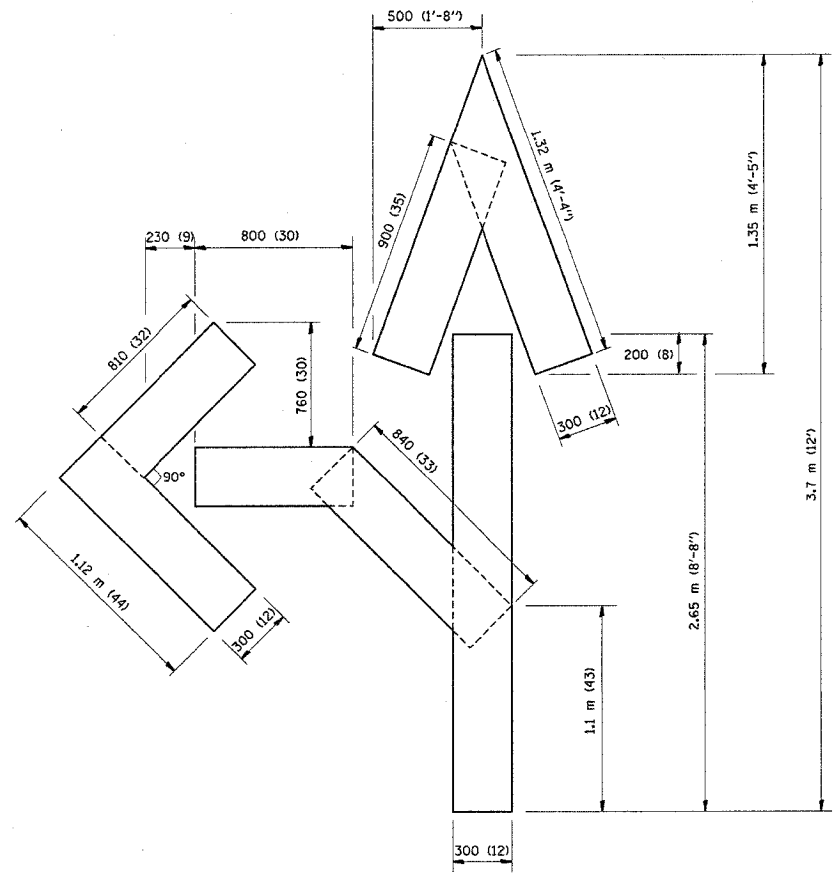
DRAWN BY C.A.D.  
CHECKED BY  
BM-14  
REVISION DATE: 05/10/00

F. A. I. MILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	78
STA.	TO STA.		FED. AID PROJECT	

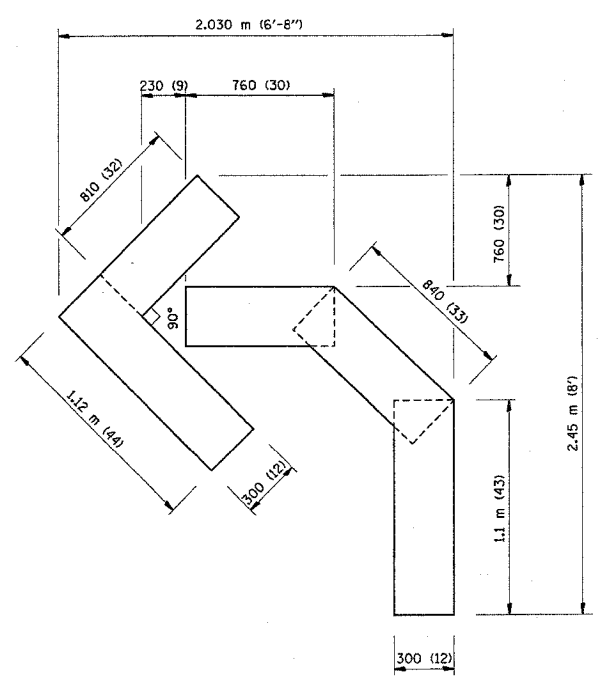
62746  
 \*(1012, 1214, 1415, & 1517) RS-3



QUANTITY  
 100 (4) LINE = 19.7 m (64.1 ft.)  
 1.97 sq. m (21.1 sq. ft.)



QUANTITY  
 100 (4) LINE = 25.3 m (82.5 ft.)  
 2.53 sq. m (27.5 sq. ft.)



QUANTITY  
 100 (4) LINE = 13.9 m (45.5 ft.)  
 1.39 sq. m (15.2 sq. ft.)

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING  
 LETTERS AND SYMBOLS  
 FOR TRAFFIC STAGING

REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/96
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

SCALE: NONE  
 DATE 4/8/2005

DRAWN BY CADD  
 CHECKED BY  
 TC-16

REVISION DATE: 08/28/00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	79
STA.		TO STA.		
FED. RMD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
* (1012, 1214, 1415, & 1517) RS-3				

62746

**SUGGESTED SEQUENCE OF OPERATION**

**OPERATION ONE:**  
MILL 2" LANES 1, 2, 3, & BOTH SHOULDERS  
PROVIDE MILL WEDGE (SEE DETAIL A) BEFORE OPENING LANES TO TRAFFIC.  
PLACE TEMPORARY PAVEMENT MARKINGS.




**OPERATION TWO:**  
PATCH LANES

**OPERATION THREE:**  
MILL (2") WITHOUT WEDGE (SEE DETAIL B).  
PLACE PRIME COAT AND BINDER COURSE PRIOR TO OPENING LANE(S) TO TRAFFIC.  
PLACE TEMPORARY PAVEMENT MARKINGS.

**OPERATION FOUR:**  
PLACE SURFACE COURSE  
PLACE PERMANENT PAVEMENT MARKINGS.

**LEGEND**

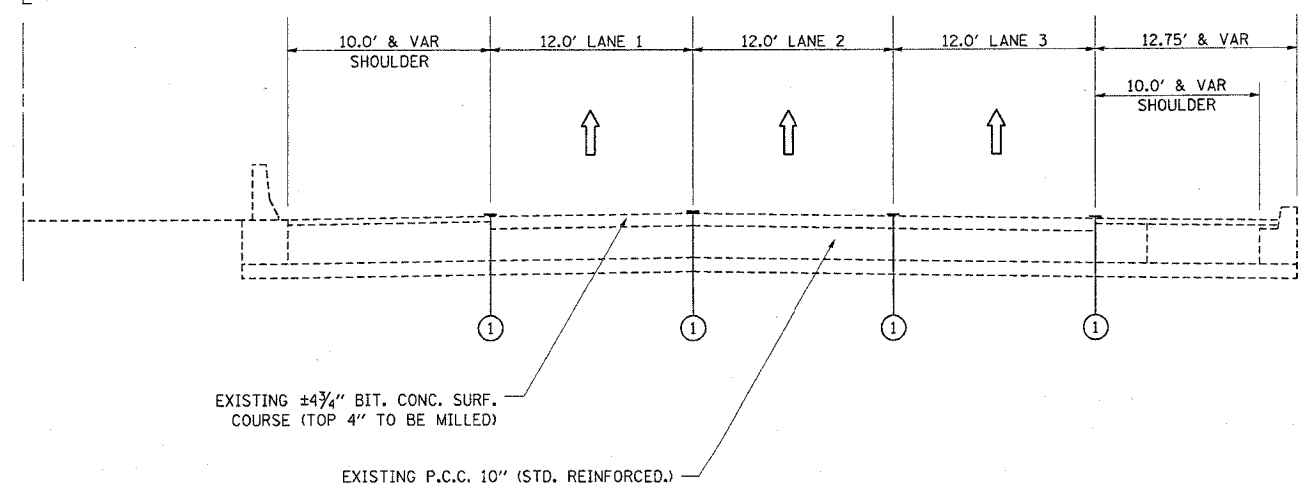
- ① EXISTING PAVEMENT MARKING
- ② EPOXY PAVEMENT MARKING, LINE 5" (10' DASH - 30' SKIP)
- ③ PAVEMENT MARKING TAPE, TYPE III, LINE 5" (10' DASH - 30' SKIP)
- ④ PERMANENT PAVEMENT MARKING
- ⑤ DRUMS @ 100' C-C

-  - BITUMINOUS SURFACE REMOVAL (2")
-  - PROPOSED BITUMINOUS BINDER COURSE (2")
-  - PROPOSED BITUMINOUS SURFACE COURSE (2")

**NOTES:**

1. GRADE DIFFERENTIAL BETWEEN LANES SHALL NOT EXCEED 2"
2. PARTIAL MILLING OF MAINLINE PAVEMENT FOR EACH OPERATION (i.e. 2" MILLING) WILL NOT BE PAID FOR SEPARATELY BUT WILL BE PAID FOR AT THE FINAL ITEM OF MILLING THICKNESS AS SHOWN ON THE TYPICAL SECTIONS.
3. SEE DETAIL TC-12 (SHEET 65 & 66) FOR PAVEMENT MARKING AT GORE AREAS.
4. REMOVAL OF TEMPORARY PAVEMENT MARKING WHEN REQUIRED SHALL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL.

SYM. ABOUT C (TYP)



EXISTING ±4¾" BIT. CONC. SURF. COURSE (TOP 4" TO BE MILLED)

EXISTING P.C.C. 10" (STD. REINFORCED.)

EXISTING CONDITION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 90  
SUGGESTED SEQUENCE  
OF OPERATIONS

SCALE: VERT. NONE  
HORIZ. DATE 4/28/2005

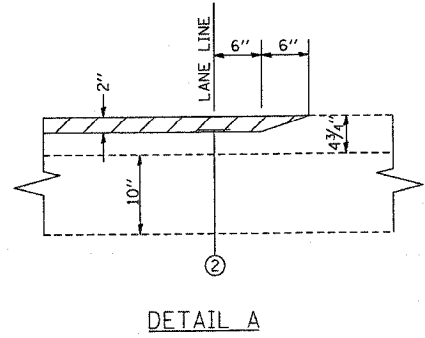
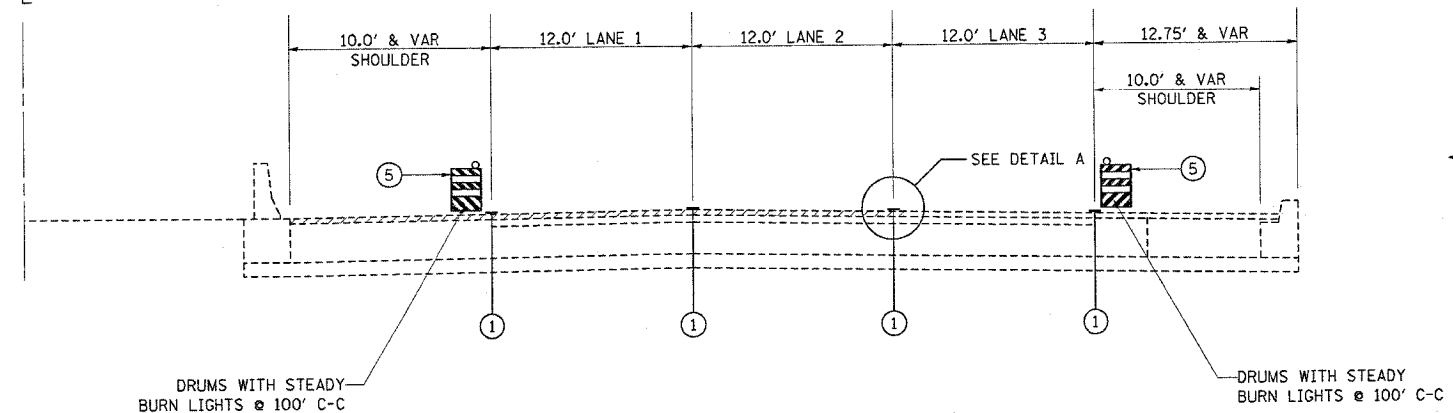
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CHECKED BY

4/28/2005  
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	82	80
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
* (1012, 1214, 1415, & 1517) RS-3				

62746

SYM. ABOUT  $\phi$  (TYP)



OPERATION ONE  
MILL (2") LANES 1, 2, 3, & BOTH SHOULDERS

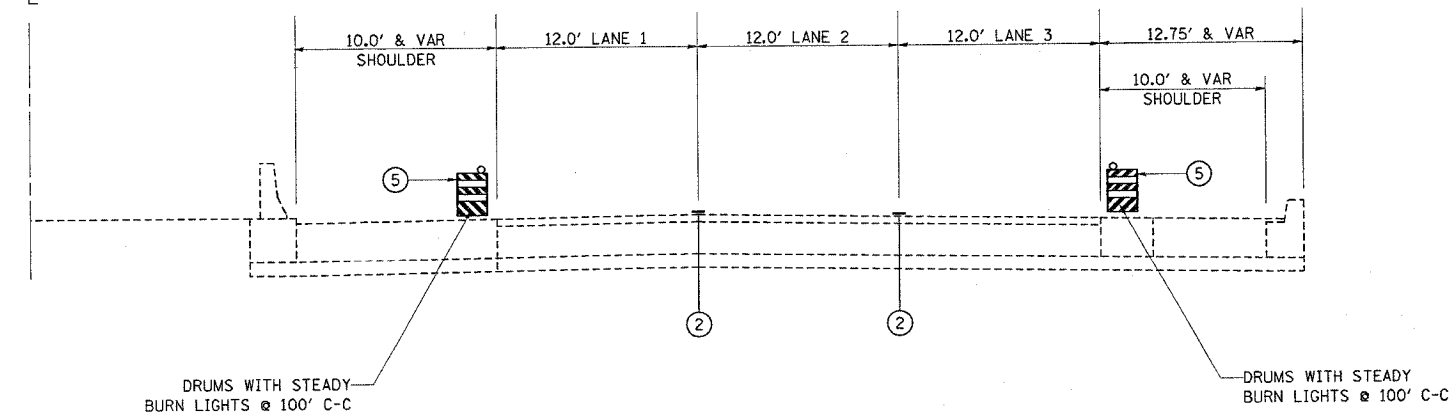
LEGEND

- ① EXISTING PAVEMENT MARKING
  - ② EPOXY PAVEMENT MARKING, LINE 5" (10' DASH - 30' SKIP)
  - ③ PAVEMENT MARKING TAPE, TYPE III, LINE 5" (10' DASH - 30' SKIP)
  - ④ PERMANENT PAVEMENT MARKING
  - ⑤ DRUMS @ 100' C-C
- BITUMINOUS SURFACE REMOVAL (2")
  - PROPOSED BITUMINOUS BINDER COURSE (2")
  - PROPOSED BITUMINOUS SURFACE COURSE (2")

NOTES:

1. GRADE DIFFERENTIAL BETWEEN LANES SHALL NOT EXCEED 2"
2. PARTIAL MILLING OF MAINLINE PAVEMENT FOR EACH OPERATION (i.e. 2" MILLING) WILL NOT BE PAID FOR SEPARATELY BUT WILL BE PAID FOR AT THE FINAL ITEM OF MILLING THICKNESS AS SHOWN ON THE TYPICAL SECTIONS.
3. SEE DETAIL TC-12 (SHEET 65 & 66) FOR PAVEMENT MARKING AT GORE AREAS.
4. REMOVAL OF TEMPORARY PAVEMENT MARKING WHEN REQUIRED SHALL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL.

SYM. ABOUT  $\phi$  (TYP)



OPERATION TWO  
PATCH LANES

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 90  
SUGGESTED SEQUENCE  
OF OPERATIONS

SCALE: VERT. NONE  
HORIZ.  
DATE 4/28/2005

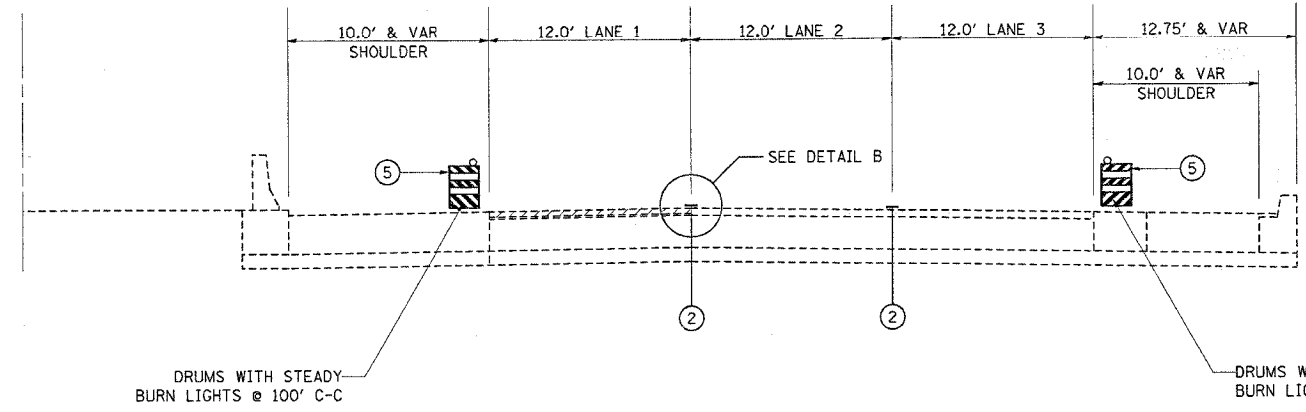
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4/28/2005  
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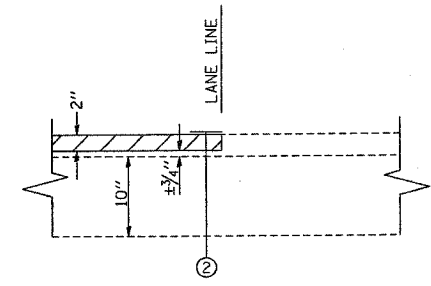
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90		COOK	82	81
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
• (1012, 1214, 1415, & 1517) RS-3				

62746

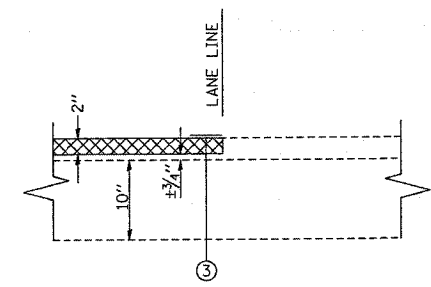
SYM. ABOUT C (TYP)



OPERATION THREE  
MILL (2") LANES 1, 2, & 3



DETAIL B (2" MILLING)



DETAIL B (2" BINDER)

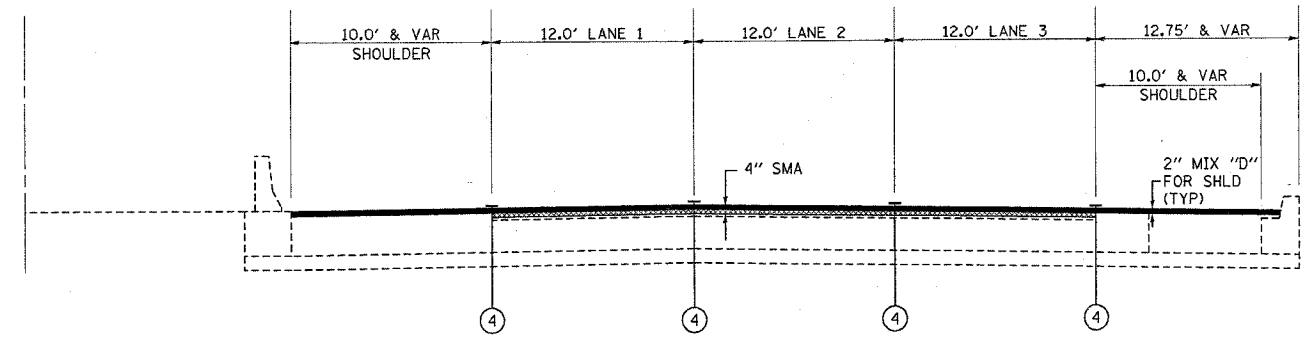
LEGEND

- ① EXISTING PAVEMENT MARKING
  - ② EPOXY PAVEMENT MARKING, LINE 5" (10' DASH - 30' SKIP)
  - ③ PAVEMENT MARKING TAPE, TYPE III, LINE 5" (10' DASH - 30' SKIP)
  - ④ PERMANENT PAVEMENT MARKING
  - ⑤ DRUMS @ 100' C-C
- BITUMINOUS SURFACE REMOVAL (2")
  - PROPOSED BITUMINOUS BINDER COURSE (2")
  - PROPOSED BITUMINOUS SURFACE COURSE (2")

NOTES:

1. GRADE DIFFERENTIAL BETWEEN LANES SHALL NOT EXCEED 2"
2. PARTIAL MILLING OF MAINLINE PAVEMENT FOR EACH OPERATION (i.e. 2" MILLING) WILL NOT BE PAID FOR SEPARATELY BUT WILL BE PAID FOR AT THE FINAL ITEM OF MILLING THICKNESS AS SHOWN ON THE TYPICAL SECTIONS.
3. SEE DETAIL TC-12 (SHEET 65 & 66) FOR PAVEMENT MARKING AT GORE AREAS.
4. REMOVAL OF TEMPORARY PAVEMENT MARKING WHEN REQUIRED SHALL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL.

SYM. ABOUT C (TYP)



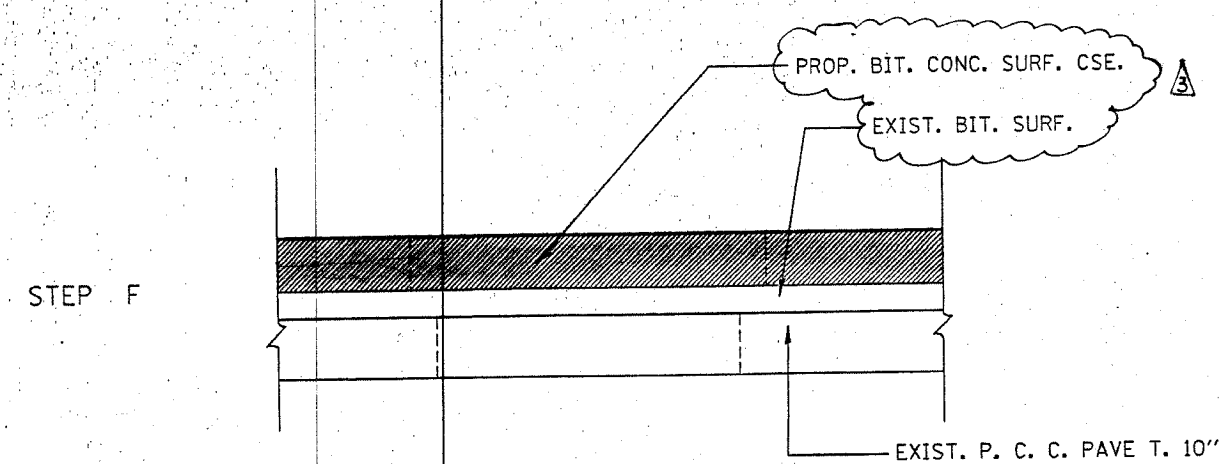
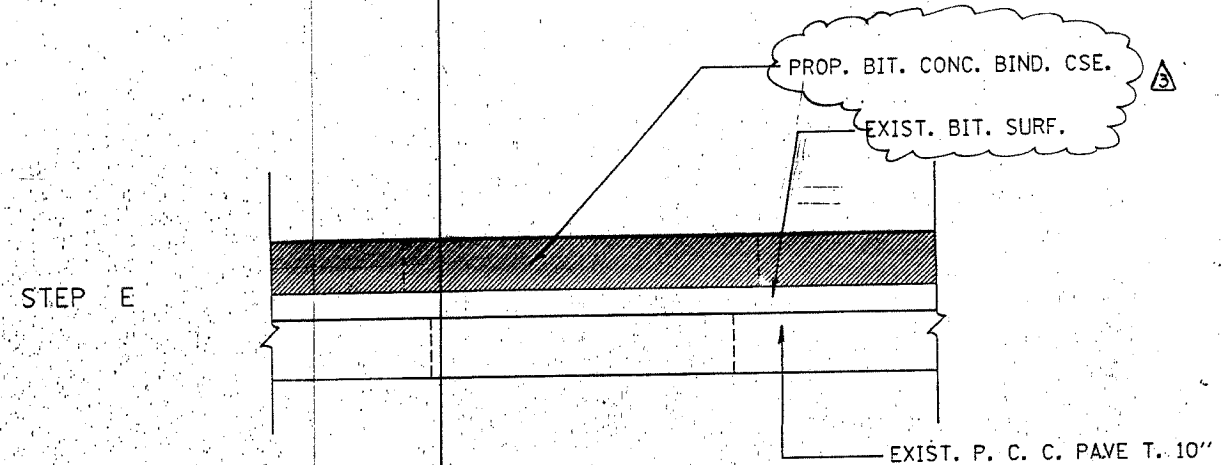
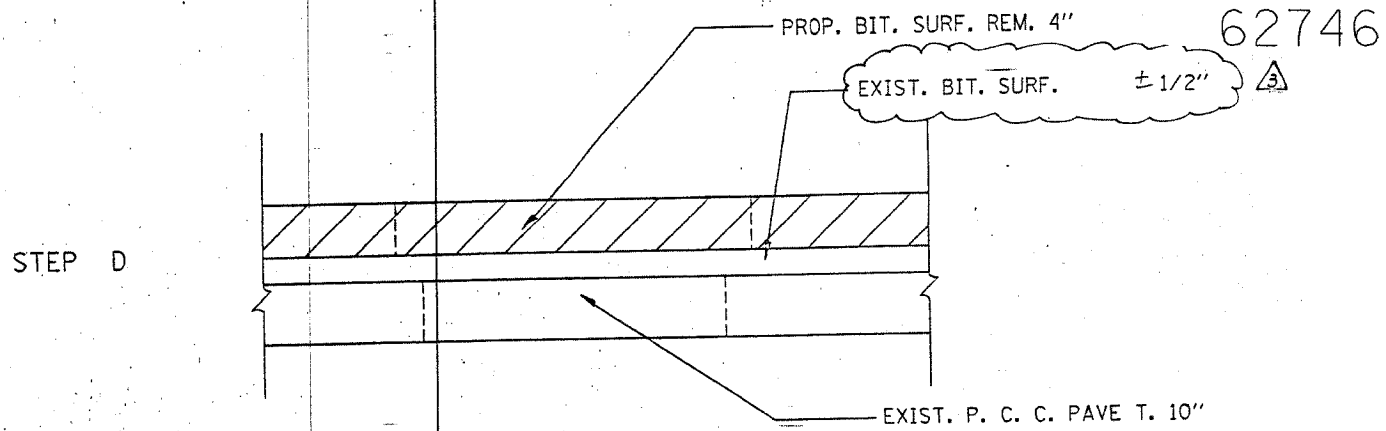
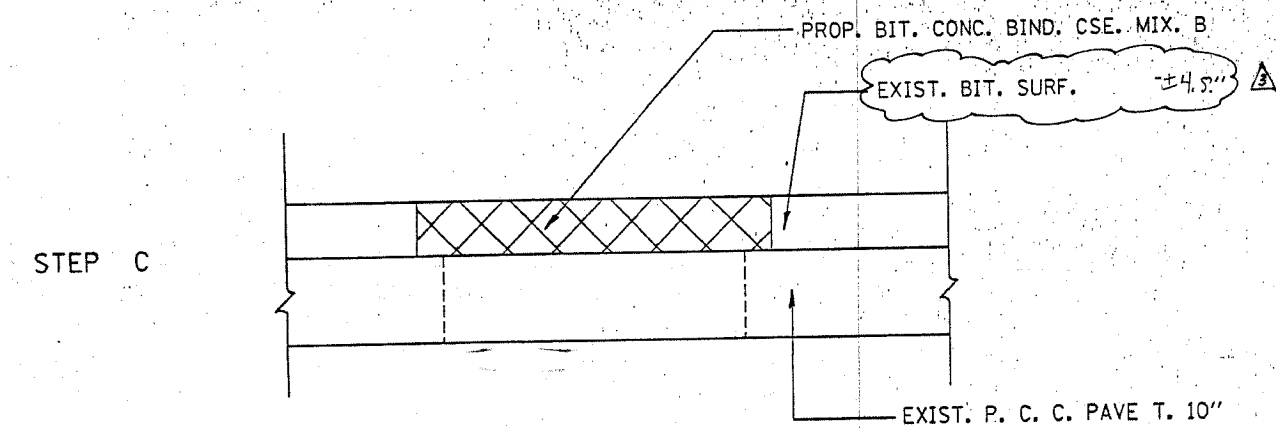
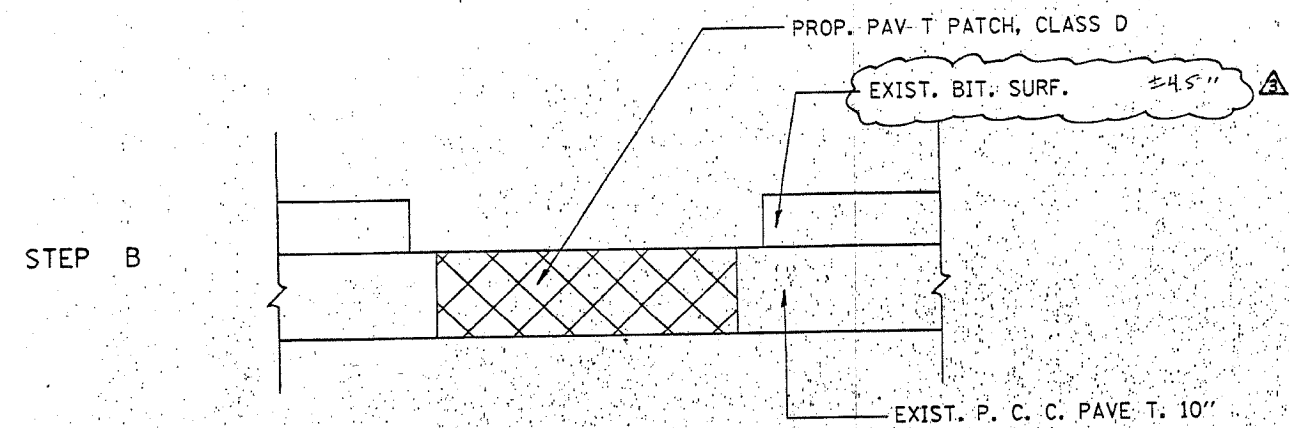
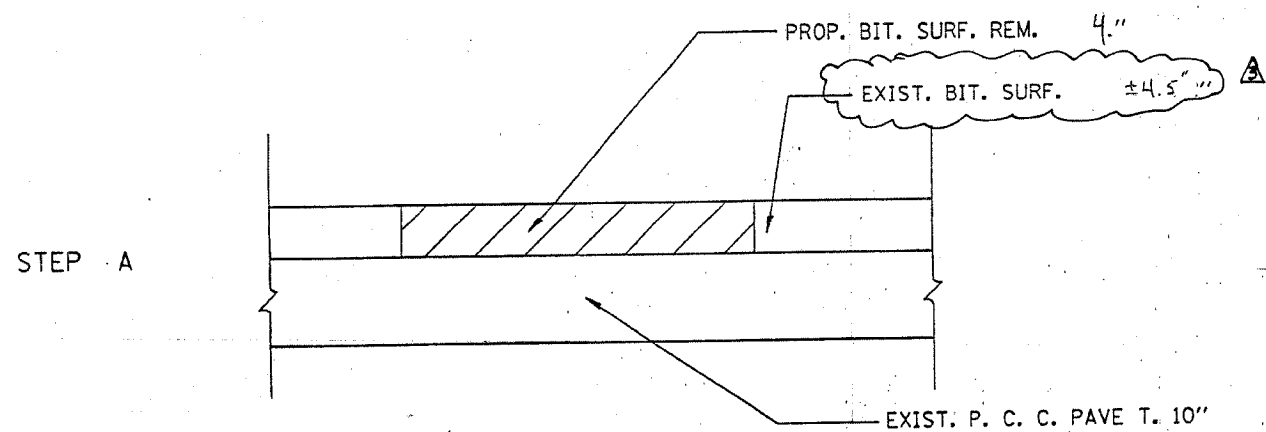
OPERATION FOUR  
COMPLETE BITUMINOUS SURFACING OPERATIONS

NOTE: INSTALL PERMANENT PAVEMENT MARKINGS (LANE LINES) PRIOR TO OPENING LANES TO TRAFFIC.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p>F.A.I. ROUTE 90 SUGGESTED SEQUENCE OF OPERATIONS</p> <p>SCALE: VERT. NONE HORIZ. DATE 4/28/2005</p> <p>DRAWN BY CHECKED BY</p>

4/28/2005 c:\project\120804\120804a.mxd

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	82	82
STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
			• (1012, 1214, 1415, & 1517) RS-3	



Rev. 2-19-98

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90  
 KENNEDY EXPRESSWAY  
 SEQUENCE OF CONSTRUCTION  
 MAIN LINE PAVING

SCALE: VERT. NONE  
 HORIZ. DATE 04/12/2004

DRAWN BY  
 CHECKED BY

04/12/2004  
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