

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|---------|--------|--------------|-----------|
| 90 | | COOK | 8+2 | 1 |

(1012, 1214, 1415, & 1517) RS-3
 Total 83 Sheets

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

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

PROPOSED HIGHWAY PLANS

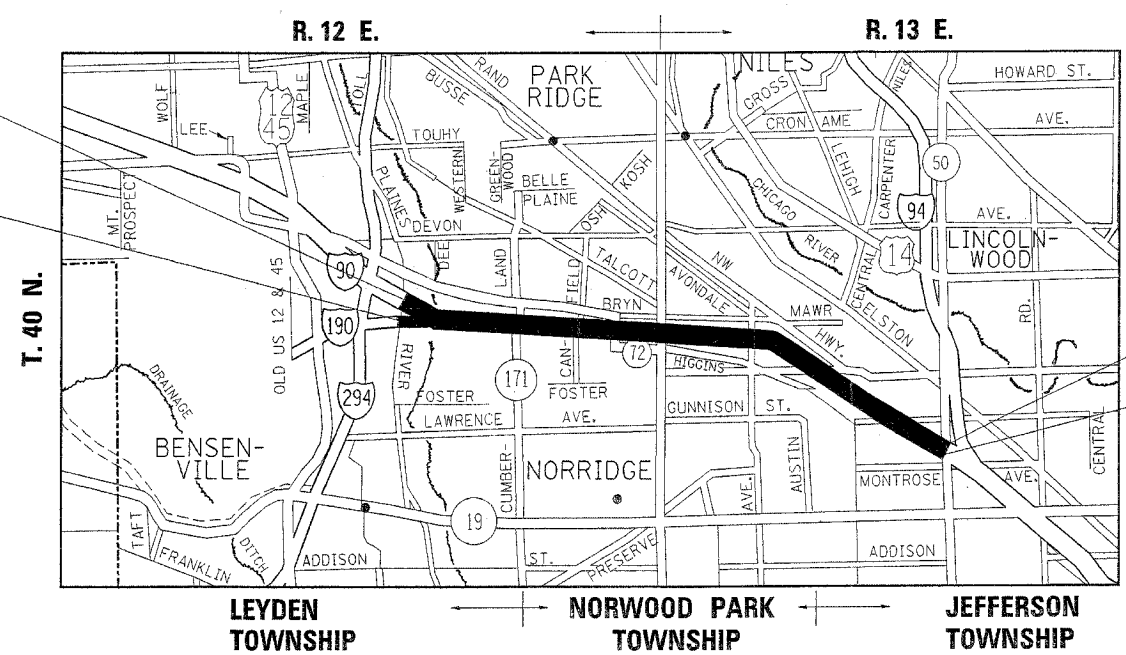
F.A.I. ROUTE: 90 (KENNEDY EXPRESSWAY)
 SECTION: (1012, 1214, 1415, & 1517) RS-3
 EAST RIVER ROAD TO EDENS EXPRESSWAY
 RESURFACING (MAINTENANCE)
 COUNTY: COOK
 C-91-208-04



LOCATION OF SECTION INDICATED THUS: -

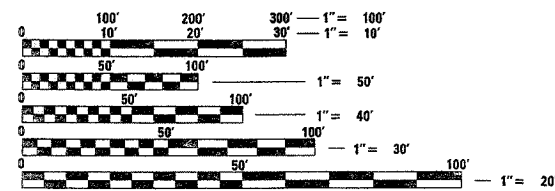
IMPROVEMENT BEGINS
 WESTBOUND STATION 3341 + 21

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



GROSS AND NET LENGTH OF IMPROVEMENT (WESTBOUND) = 30,459 LIN FT = 5.77 MILES
 GROSS AND NET LENGTH OF IMPROVEMENT (EASTBOUND) = 30,556 LIN FT = 5.79 MILES

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED Feb. 1 20 06

Diane M. O'Keefe
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 24, 20 06
Mike Hene
 ENGINEER OF DESIGN AND ENVIRONMENT

March 24, 20 06
Milton R. Savo
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

DISTRICT ONE - DESIGN - PLAN PREPARATION ENGINEER:
 KEN ENG / ROBERT T. BORO (847) 705-4178

CONTRACT NO. 62746

| | | | | |
|-----------------------------------|---------|----------|------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 2 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT | |
| * (1012, 1214, 1415, & 1517) RS-3 | | | | |

62746

GENERAL NOTES

INDEX OF SHEETS

| SHEET NO. | DESCRIPTION |
|-----------|--|
| 1 | TITLE SHEET |
| 2 | INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES |
| 3-4 | SUMMARY OF QUANTITIES |
| 5-7 | TYPICAL SECTIONS |
| 8-11 | ALIGNMENT PLANS |
| 12-12B | TRAFFIC CONTROL PLAN |
| 13-24 | EXISTING CONDITION PLANS |
| 25-26 | EXISTING CUMBERLAND AVE. RAMP PLANS |
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| 63 | TYPICAL RAMP METERING STRIPING |
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| 71 | DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING |
| 72 | PAVEMENT PATCHING FOR BITUMINOUS SURFACED PAVEMENT |
| 73 | CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT |
| 74 | BUTT JOINTS AND BITUMINOUS TAPER DETAILS |
| 75 | BITUMINOUS TAPER AT EDGE OF PCC PAVEMENT |
| 76 | STEEL PLATE BEAM GUARDRAIL ADJACENT TO CURB AND GUTTER AND STABILIZATION AT TBT TY. 1 SPL. |
| 77 | PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING |
| 78-81 | SEQUENCE OF OPERATIONS |

STANDARDS

| | |
|-----------|---|
| 000001-04 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 420001-06 | PAVEMENT JOINTS |
| 420701-01 | PAVEMENT FABRIC |
| 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 |
| 630001-06 | 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 |
| 701446 | TWO LANE CLOSURE, FREEWAY/EXPRESSWAY |
| 702001-06 | TRAFFIC CONTROL DEVICES |
| 780001-01 | TYPICAL PAVEMENT MARKINGS |
| 781001-02 | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS |

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, 1 3/4". 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 STEVE BRINK, AREA TRAFFIC ENGINEER, AT (847) 705-4155 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).

USE #8 EPOXY-COATED TIE BARS, CONFORMING TO ART. 1006.10 OF THE STANDARD SPECIFICATION FOR ALL TIE BARS USE THE "LONGITUDINAL CONSTRUCTION JOINT(TIE BAR GROUTED IN PLACE) DETAIL SHOWN OF HIGHWAY STANDARD 420001 FOR ALL LONGITUDINAL JOINTS"

"THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE FOR ANY LANE CLOSURE DURING THE AM AND PM PEAK HOURS FOR WORK ADJACENT TO THE NORTHWEST TOLLWAY SECTION".

| REVISIONS | |
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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
INDEX OF SHEETS
LIST OF STATE STANDARDS
PLAN NOTES
 SCALE: VERT. NONE
 HORIZ.
 DATE 2/10/2006
 DRAWN BY EWK
 CHECKED BY

62746

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|---------------------------------------|---------|----------|-----------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | | COOK | 81 | 3 |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | HIGHWAY PROJECT | |
| --- ■ (1012, 1214, 1415, & 1517) RS-3 | | | | |

| SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | |
|-----------------------|--|--------|------------------------|-------------------------------|--|--|--|--|
| CODE NO | ITEM | UNIT | TOTAL QUANTITIES | URBAN ROADWAY 100% STATE 1000 | | | | |
| X0324085 | 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 FLANGWAYS | TON | 132 | 132 | | | | |
| 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 | 543 | 543 | | | | |
| 42001300 | PROTECTIVE COAT | SQ YD | 3417 | 3417 | | | | |
| 44000006 | BITUMINOUS SURFACE REMOVAL 1 1/2" | SQ YD | 111302 | 111302 | | | | |
| 44000008 | BITUMINOUS SURFACE REMOVAL 2 1/2" | SQ YD | 56503 | 56503 | | | | |
| 44000112 | BITUMINOUS REMOVAL OVER PATCHES 3" | SQ YD | 3231 | 3231 | | | | |
| 44001700 | COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT | FOOT | 10250 | 10250 | | | | |
| 44201359 | CLASS C PATCHES, TYPE IV, 10 INCH | SQ YD | 210 | 210 | | | | |
| 44201761 | CLASS D PATCHES, TYPE I, 10 INCH | SQ YD | 48 | 48 | | | | |
| 44201765 | CLASS D PATCHES, TYPE II, 10 INCH | SQ YD | 2684 | 2684 | | | | |
| 44201769 | CLASS D PATCHES, TYPE III, 10 INCH | SQ YD | 33 | 33 | | | | |
| 44201771 | CLASS D PATCHES, TYPE IV, 10 INCH | SQ YD | 256 | 256 | | | | |
| 44300200 | STRIP REFLECTIVE CRACK CONTROL TREATMENT | FOOT | 122500 | 122500 | | | | |
| 55039700 | STORM SEWERS TO BE CLEANED | FOOT | 12000 | 12000 | | | | |
| 60300305 | FRAMES AND LIDS TO BE ADJUSTED | EACH | 16 | 16 | | | | |
| 60300310 | FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) | EACH | 8 | 8 | | | | |
| * 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 | | | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | | | | |
| * 78000100 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS | SQ FT | 110 | 110 | | | | |

| SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | |
|-----------------------|---|-------|------------------------|-------------------------------|--|--|--|--|
| CODE NO | ITEM | UNIT | TOTAL QUANTITIES | URBAN ROADWAY 100% STATE 1000 | | | | |
| • 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | FOOT | 131871 | 131871 | | | | |
| • 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 | | | | |
| • 78005100 | EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS | SQ FT | 220 | 220 | | | | |
| • 78005110 | EPOXY PAVEMENT MARKING - LINE 4" | FOOT | 263742 | 263742 | | | | |
| • 78005120 | EPOXY PAVEMENT MARKING - LINE 5" | FOOT | 63804 | 63804 | | | | |
| • 78005140 | EPOXY PAVEMENT MARKING - LINE 8" | FOOT | 82836 | 82836 | | | | |
| • 78005150 | EPOXY PAVEMENT MARKING - LINE 12" | FOOT | 13258 | 13258 | | | | |
| • 78005180 | EPOXY PAVEMENT MARKING - LINE 24" | FOOT | 316 | 316 | | | | |
| • 78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 3066 | 3066 | | | | |
| 78201000 | TERMINAL MARKER - DIRECT APPLIED | EACH | 13 | 13 | | | | |
| 78300200 | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | EACH | 3066 | 3066 | | | | |
| • 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 | | | | |
| • 81500200 | TRENCH AND BACKFILL FOR ELECTRICAL WORK | FOOT | 100 | 100 | | | | |
| X0322256 | TEMPORARY INFORMATION SIGNING | SQ FT | 1920 | 1920 | | | | |
| • X0322300 | ELECTRIC CABLE IN CONDUIT NO. 18 4/C, TWISTED, SHIELDED | FOOT | 600 | 600 | | | | |
| X0322729 | MATERIAL TRANSFER DEVICE | TON | 67252 | 67252 | | | | |
| 64200105 | SHOULDER RUMBLE STRIP | FOOT | 88300 | 88300 | | | | |
| X4066680 | POLYMERIZED BITUMINOUS CONCRETE BINDER COURSE, STONE MATRIX ASPHALT, SUPERPAVE, N80 | TON | 30495 | 30495 | | | | |

• SPECIALTY ITEM

| REVISIONS | |
|-----------|------|
| NAME | DATE |
| | |
| | |

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
KENNEDY EXPRESSWAY

Rev.

PLOT DATE: 2/9/2006

2/9/2006

62746

| | | | | |
|---------------------------------------|---------|----------|-----------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | | COOK | 81 | 4 |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | HIGHWAY PROJECT | |
| - - - (1012, 1214, 1415, & 1517) RS-3 | | | | |

| SUMMARY OF QUANTITIES | | | TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | | | |
|-----------------------|--|--------|------------------|-------------------------------|--|--|--|--|
| CODE NO | ITEM | UNIT | | URBAN ROADWAY 100% STATE I000 | | | | |
| X4066570 | POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, STONE MATRIX ASPHALT, SUPERPAVE, N80 | TON | 36757 | 36757 | | | | |
| X4066426 | BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70 | TON | 9349 | 9349 | | | | |
| X4066548 | POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "F", N90 | TON | 5537 | 5537 | | | | |
| X4067100 | POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50 | TON | 2331 | 2331 | | | | |
| X4409400 | BITUMINOUS SURFACE REMOVAL 1 3/4" | SQ YD | 544546 | 544546 | | | | |
| 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 | | | | |
| Z0018400 | DRAINAGE STRUCTURES TO BE ADJUSTED | EACH | 1 | 1 | | | | |
| Z0018500 | DRAINAGE STRUCTURES TO BE CLEANED | EACH | 700 | 700 | | | | |
| Z0042200 | PORTLAND CEMENT CONCRETE PAVEMENT SURFACE REMOVAL | SQ YD | 911 | 911 | | | | |

| SUMMARY OF QUANTITIES | | | TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | | | |
|-----------------------|------|------|------------------|------------------------|--|--|--|--|
| CODE NO | ITEM | UNIT | | | | | | |
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* SPECIALTY ITEM

Rev.

| REVISIONS | |
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| NAME | DATE |
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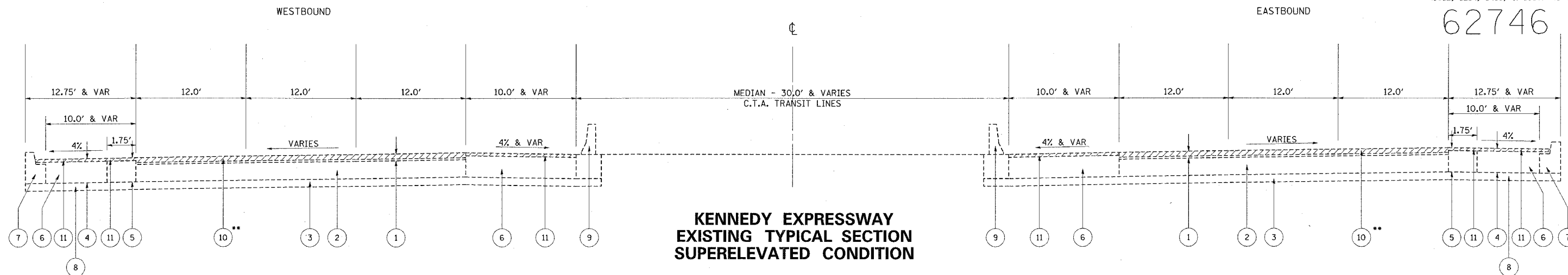
ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
KENNEDY EXPRESSWAY

PLOT DATE: 2/9/2006

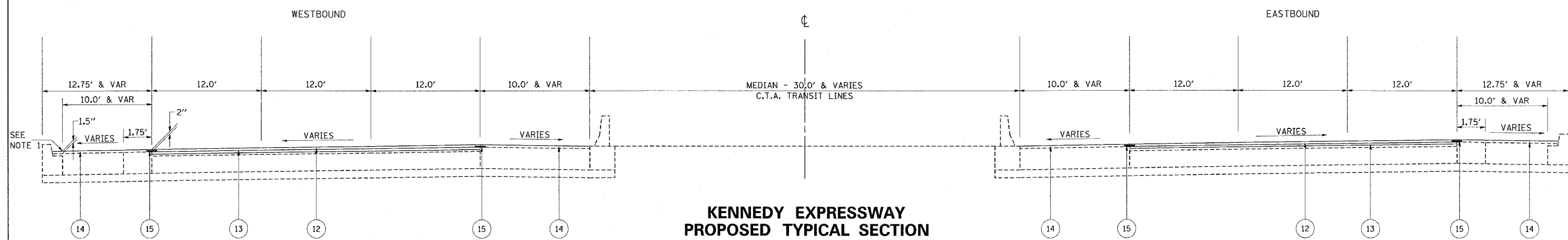
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|-----------------------------------|---------|------------------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 5 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS | | FED. AID PROJECT | | |
| * (1012, 1214, 1415, & 1517) RS-3 | | | | |

62746



**KENNEDY EXPRESSWAY
EXISTING TYPICAL SECTION
SUPERELEVATED CONDITION**



**KENNEDY EXPRESSWAY
PROPOSED TYPICAL SECTION
SUPERELEVATED CONDITION**

2006

2006

MIXTURE REQUIREMENTS

| MIXTURE TYPE | AC TYPE | RAP % | AIR VOIDS |
|--|--------------------|-------|---------------|
| POLY. BIT. CONCRETE SURFACE COURSE, STONE MATRIX ASPHALT, SUPERPAVE, N80 | SBS PG 76-28 | 0 | 4% @ 80 GYR |
| POLY. BIT. CONCRETE BINDER COURSE, STONE MATRIX ASPHALT, SUPERPAVE, N80 | SBS PG 76-28 | 0 | 4% @ 80 GYR |
| POLY. BIT. CONC. SURFACE COURSE, SUPERPAVE, MIX "F", N90 | SBS / SBR PG 70-22 | 0 | 4% @ 90 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 | 15 | 4% @ 70 GYR |

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL STONE MATRIX ASPHALT SURFACE MIXTURES IS 135 LBS/SQYD/IN
: THE UNIT WEIGHT USED TO CALCULATE BITUMINOUS SURFACE MIXTURE IS 112 LBS/SQYD/IN

** REFER TO SEQUENCE OF OPERATION (PAGE 78-81)

| Mixture Type | AC Type | RAP % | Air Voids |
|--|----------|-------|-------------|
| Bit. Conc. Surface Course, Superpave, Mix D, N70 | PG 64-22 | 10 | 4% @ 70 Gyr |

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, 1¾" |
| 3 EXISTING AGGREGATE SUB-BASE, 6" | 11 PROPOSED BITUMINOUS SURFACE REMOVAL, 1 ½" |
| 4 EXISTING 4.75" BITUMINOUS CONCRETE SURFACE COURSE ON AGGREGATE BASE COURSE OR BITUMINOUS SHOULDER, 10" | 12 PROP. POLY. BIT. CONC. SURFACE COURSE, SMA, SUPERPAVE, N80, 1¾" |
| 5 EXISTING BITUMINOUS SHOULDER WITH BITUMINOUS SURFACE COURSE, 12¼" | 13 PROP. POLY. BIT. CONC. BINDER COURSE, SMA, SUPERPAVE, N80, 1¾" |
| 6 EXISTING P.C.C. SHOULDER, 13" | 14 PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70, 1 ½" |
| 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

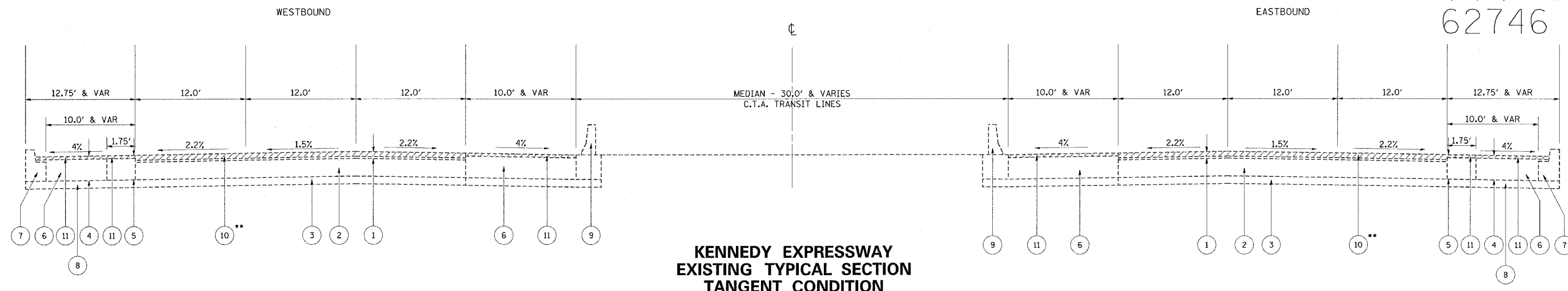
- MATCH EXISTING ELEVATIONS AT EDGE OF SHOULDER.
- SOME LOCATIONS DO NOT HAVE CURB AND GUTTER. ALSO SHOULDER WIDTH VARIES FROM 10.0' MAXIMUM TO 4.0' MINIMUM.
- MATCH EXISTING ELEVATIONS AT EDGE OF PAVEMENT.

| REVISIONS | |
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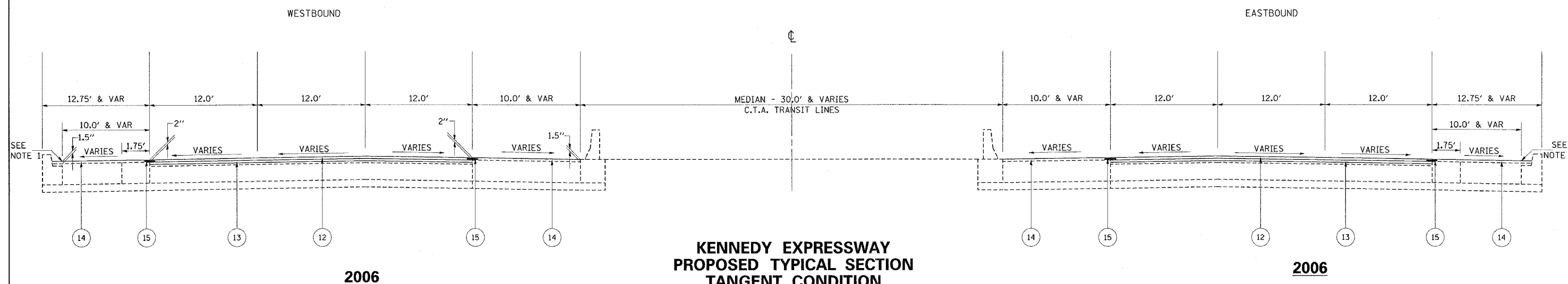
ILLINOIS DEPARTMENT OF TRANSPORTATION
**KENNEDY EXPRESSWAY
TYPICAL SECTIONS**
SCALE: VERT. NONE
DATE 2/3/2006
DRAWN BY EWK
CHECKED BY

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|-----------------------------------|---------|------------------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 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**

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, 1¾" |
| ③ EXISTING AGGREGATE SUB-BASE, 6" | ⑪ PROPOSED BITUMINOUS SURFACE REMOVAL, 1½" |
| ④ EXISTING 4.75" BITUMINOUS CONCRETE SURFACE COURSE ON AGGREGATE BASE COURSE OR BITUMINOUS SHOULDER, 10" | ⑫ PROP. POLY. BIT. CONC. SURFACE COURSE, SMA, SUPERPAVE, N80, 1¾" |
| ⑤ EXISTING BITUMINOUS SHOULDER WITH BITUMINOUS SURFACE COURSE, 12¼" | ⑬ PROP. POLY. BIT. CONC. BINDER COURSE, SMA, SUPERPAVE, N80, 1¾" |
| ⑥ EXISTING P.C.C. SHOULDER, 13" | ⑭ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX"D", N70, 1½" |
| 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 | |
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| NAME | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION

**KENNEDY EXPRESSWAY
TYPICAL SECTIONS**

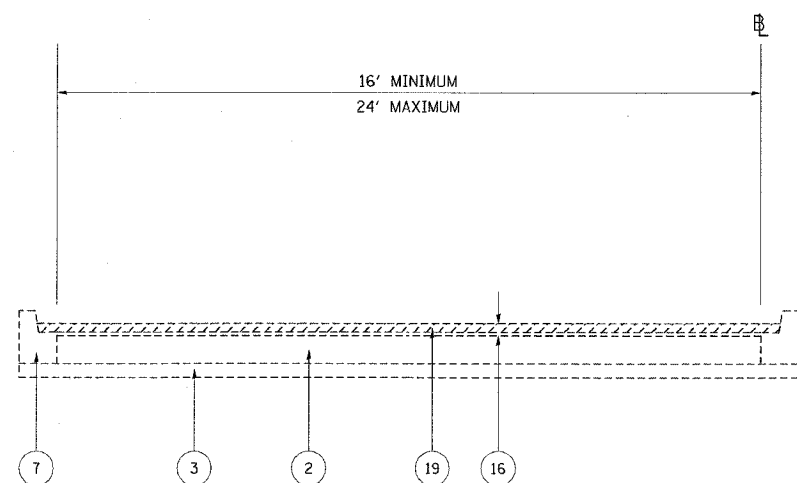
SCALE: VERT. NONE
HORIZ. DATE 2/3/2006

DRAWN BY EWK
CHECKED BY

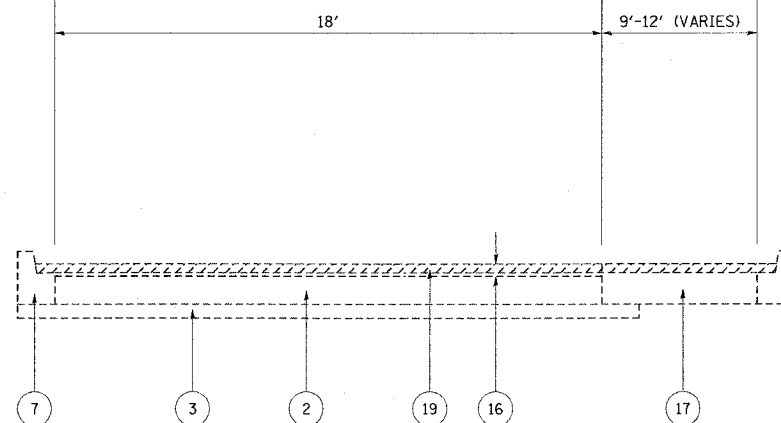
** REFER TO SEQUENCE OF OPERATION (PAGE 78-81)

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|-----------------------------------|----------|------------------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 7 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

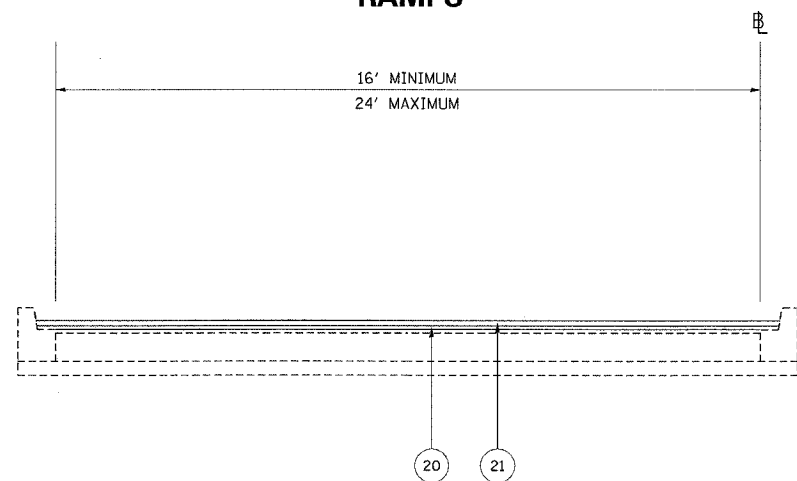
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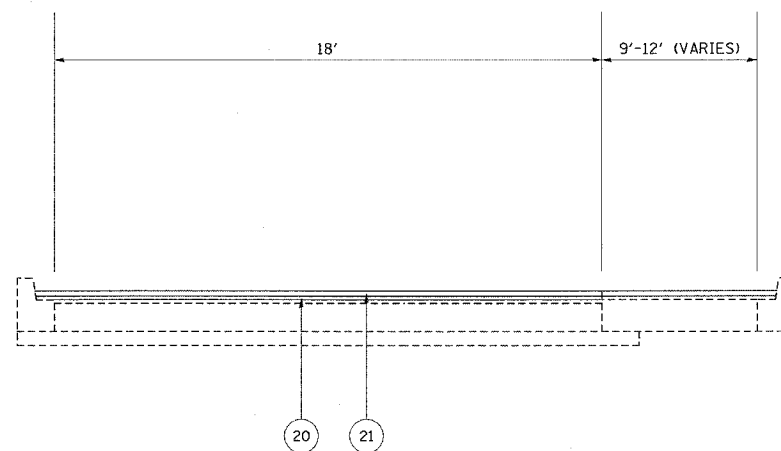
**KENNEDY EXPRESSWAY
EXISTING TYPICAL SECTION
RAMPS**



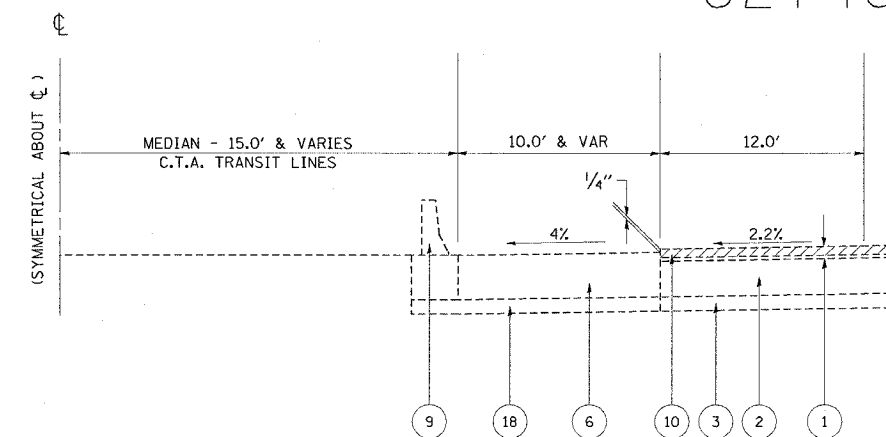
**KENNEDY EXPRESSWAY
EXISTING TYPICAL SECTION
CUMBERLAND ENTRANCE RAMP #4**



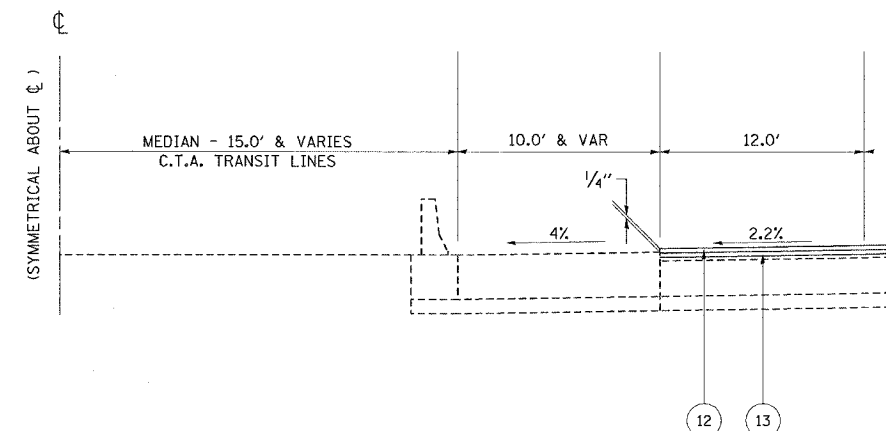
**KENNEDY EXPRESSWAY
PROPOSED TYPICAL SECTION
RAMPS**



**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 | PROP. POLY. BIT. CONC. BINDER COURSE, SMA, SUPERPAVE, N80, 1¾" |
| 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, 2½" |
| 10 | PROPOSED BITUMINOUS SURFACE REMOVAL, 4" | 20 | PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50, ¾" |
| 12 | PROP. POLY. BIT. CONC. SURFACE COURSE, SMA, SUPERPAVE, N80, 1¾" | 21 | POLY. BIT. CONC. SURFACE COURSE, SUPERPAVE, MIX'F", N90, 1¾" |

NOTES

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

| REVISIONS | |
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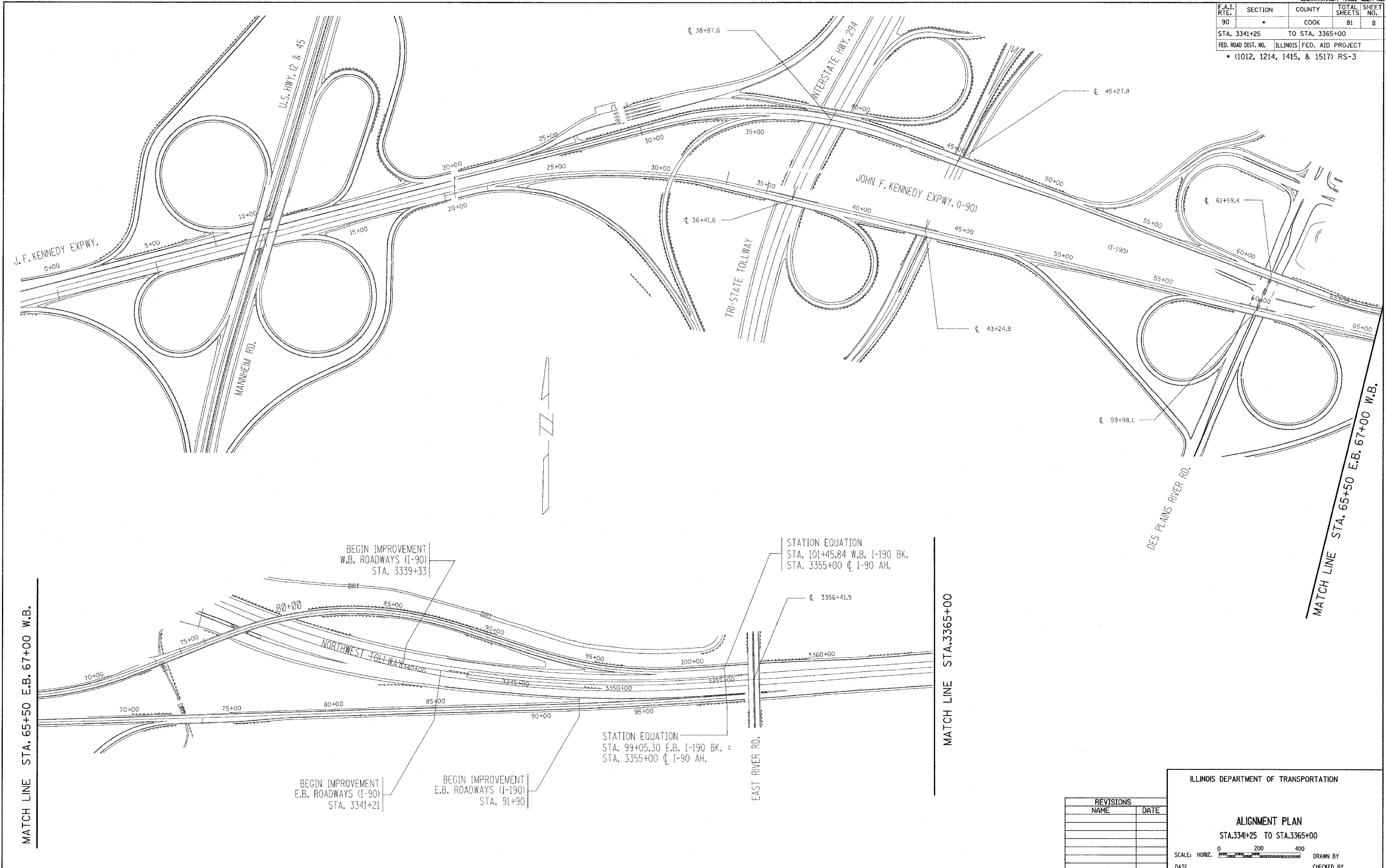
ILLINOIS DEPARTMENT OF TRANSPORTATION

**KENNEDY EXPRESSWAY
TYPICAL SECTIONS**

SCALE: VERT. NONE
HORIZ. DATE 2/3/2006

DRAWN BY EWK
CHECKED BY

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | * | COOK | 81 | 8 |
| STA. 3341+25 | | TO STA. 3365+00 | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| * (1012, 1214, 1415, & 1517) RS-3 | | | | |



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ILLINOIS DEPARTMENT OF TRANSPORTATION

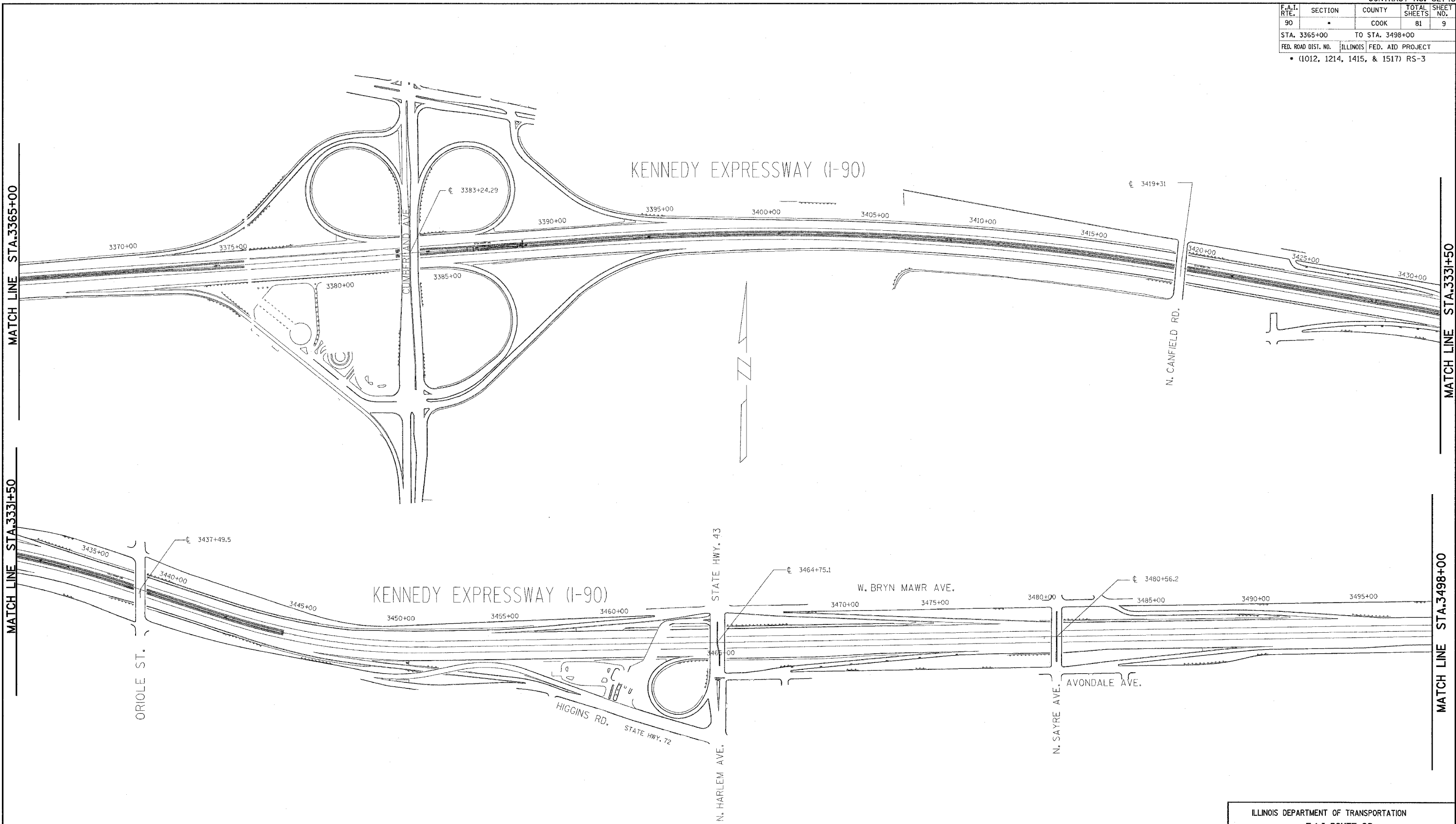
ALIGNMENT PLAN
 STA. 3341+25 TO STA. 3365+00

SCALE: HORIZ.

DATE _____ DRAWN BY _____ CHECKED BY _____

CONTRACT NO. 62746

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | * | COOK | 81 | 9 |
| 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

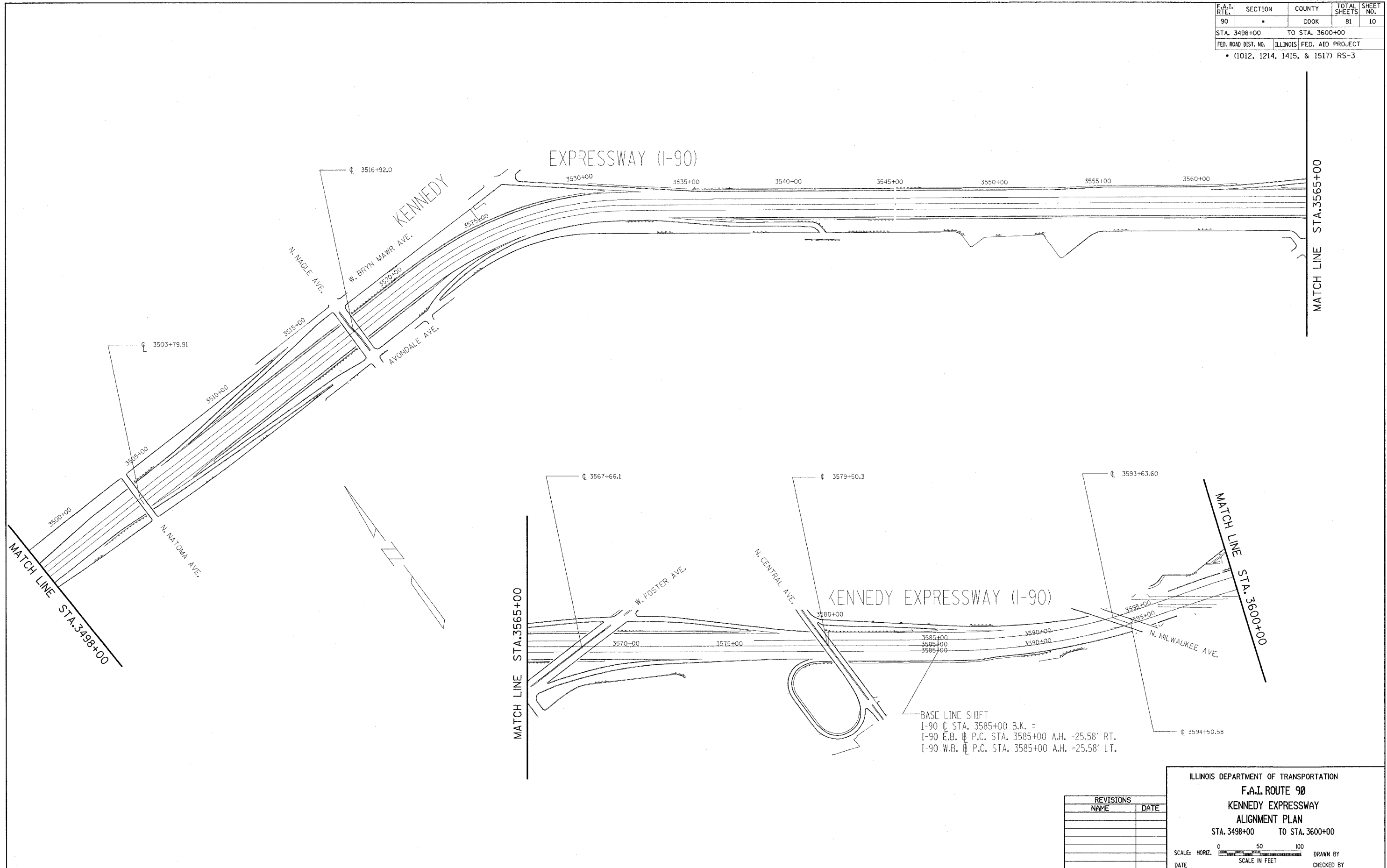
| REVISIONS | |
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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
ALIGNMENT PLAN
 STA. 3365+00 TO STA. 3498+00

SCALE: HORIZ. SCALE IN FEET

DATE _____ DRAWN BY _____ CHECKED BY _____

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | * | COOK | 81 | 10 |
| STA. 3498+00 | | TO STA. 3600+00 | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |



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.

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

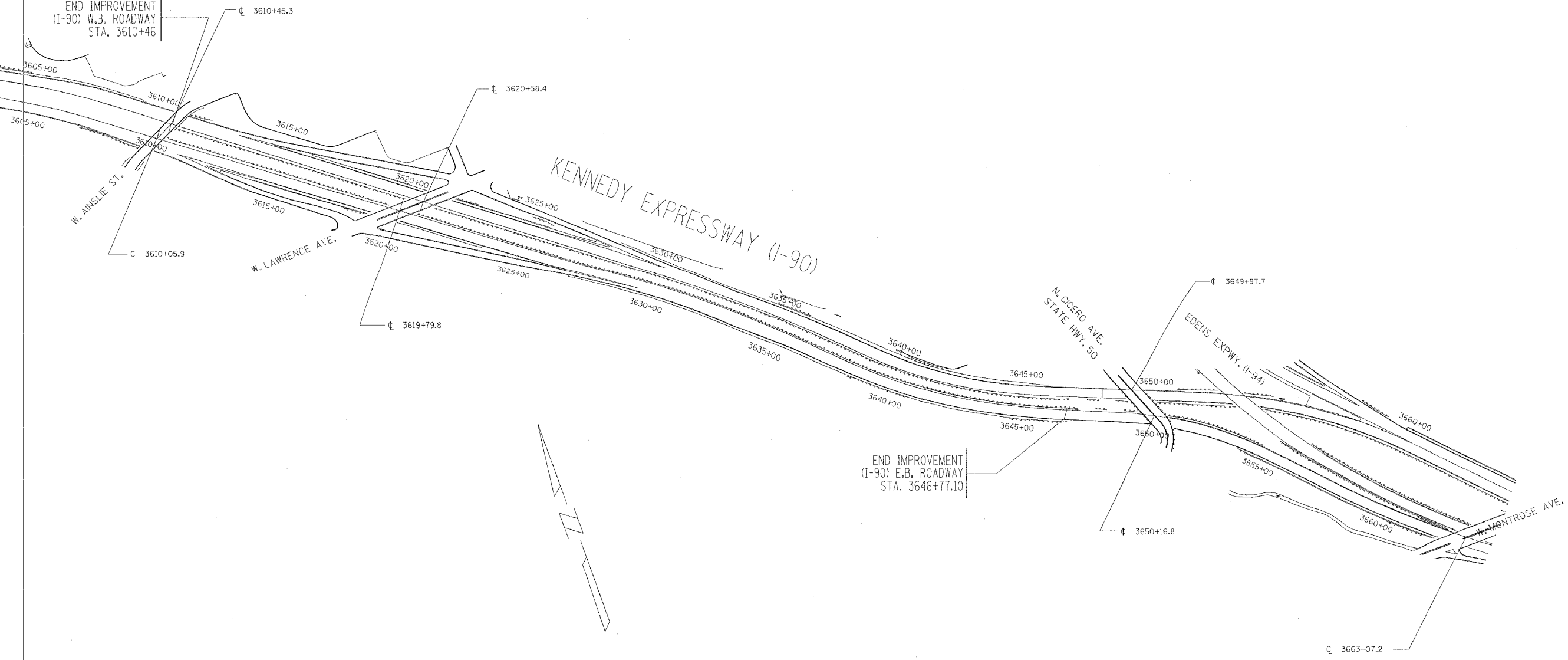
SCALE: HORIZ. SCALE IN FEET

DATE _____ DRAWN BY _____
 CHECKED BY _____

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | * | COOK | 81 | 11 |
| STA. 3600+00 | | TO STA. 3662+20 | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

MATCH LINE STA. 3600+00

END IMPROVEMENT
(I-90) W.B. ROADWAY
STA. 3610+46



END IMPROVEMENT
(I-90) E.B. ROADWAY
STA. 3646+77.10

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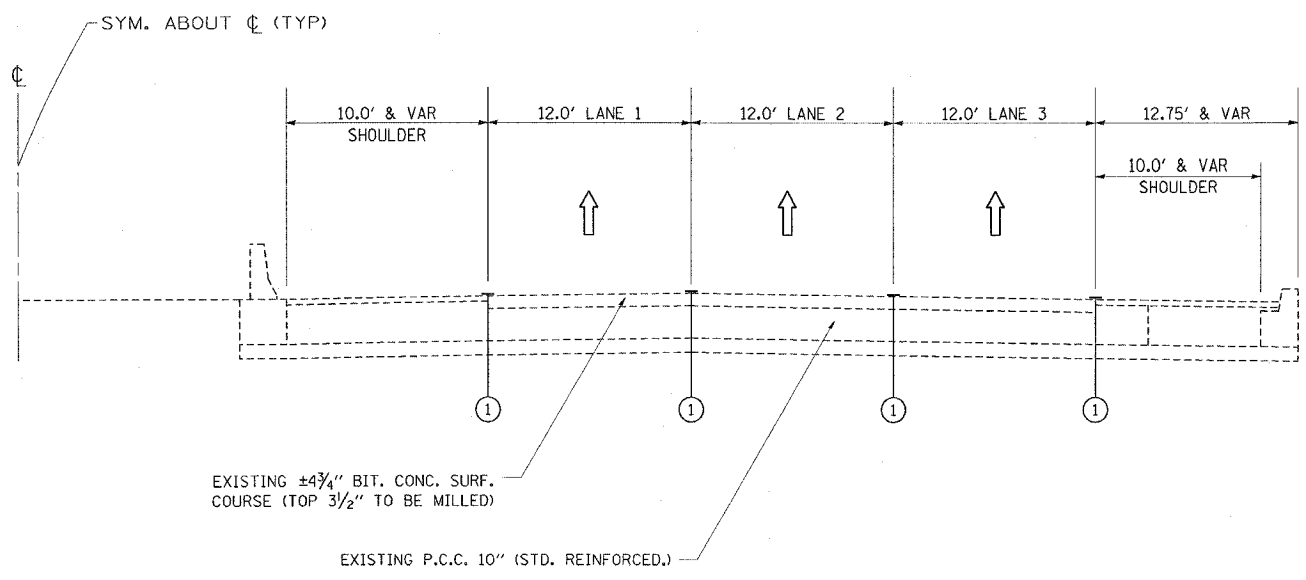
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
ALIGNMENT PLAN
 STA. 3600+00 TO STA. 3662+20

SCALE: HORIZ. SCALE IN FEET

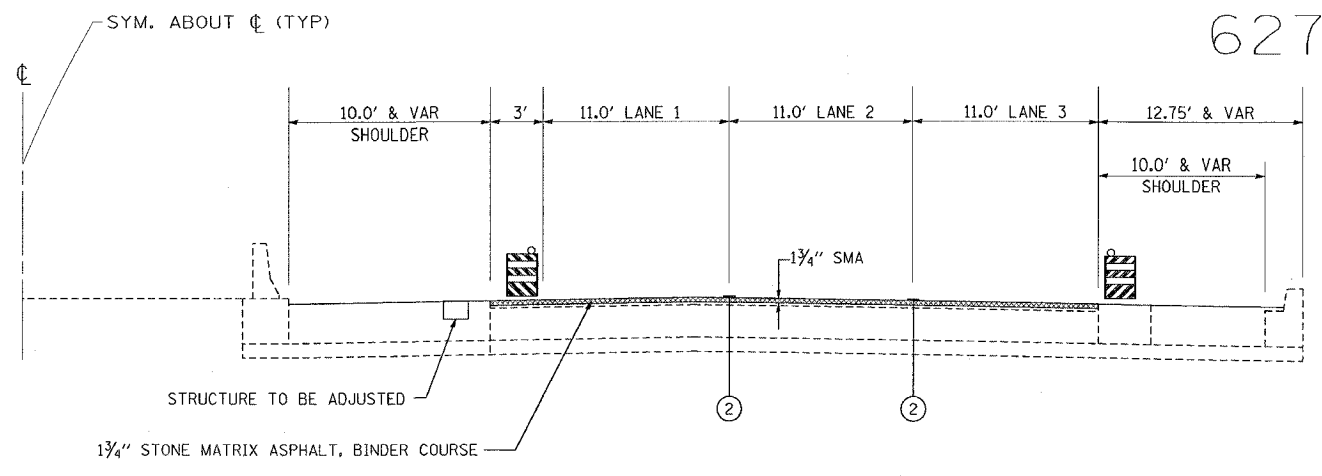
DATE _____ DRAWN BY _____ CHECKED BY _____

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|-----------------------------------|----------|------------------|--------------|-----------|
| CONTRACT NO. | | | | |
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 12 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |
| * (1012, 1214, 1415, & 1517) RS-3 | | | | |

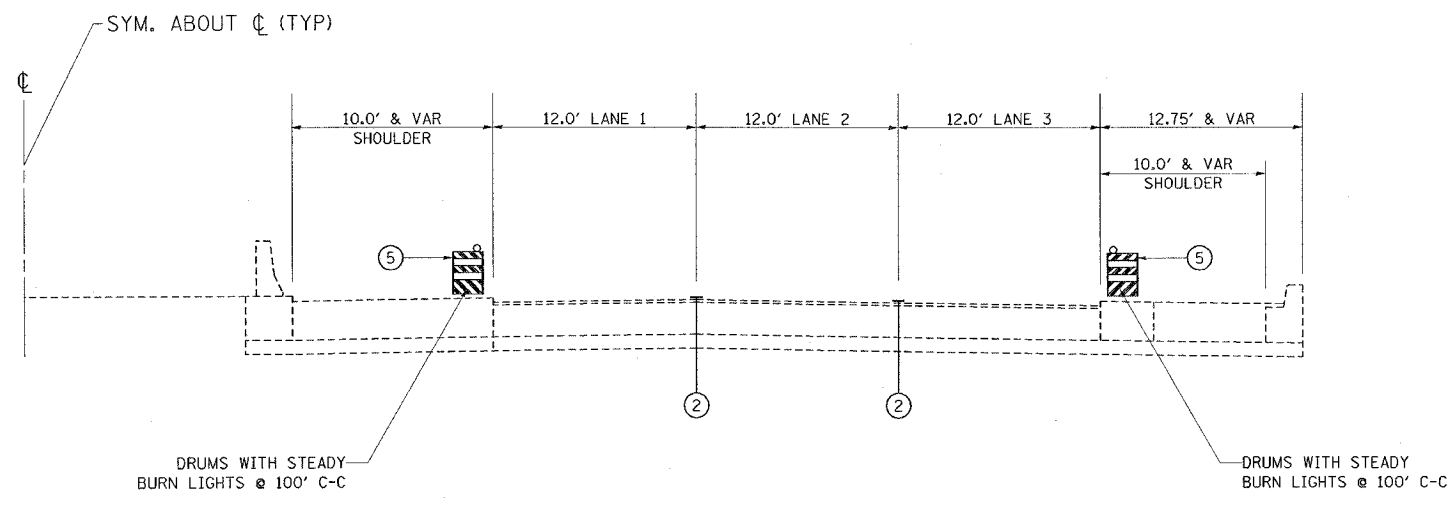
62746



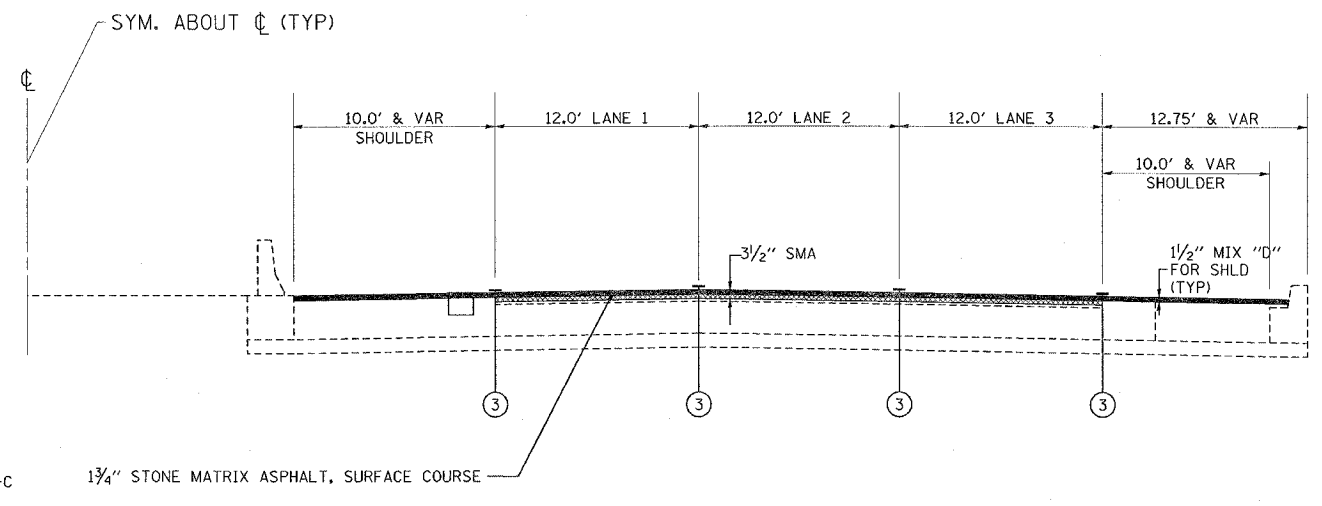
1. EXISTING CONDITIONS



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 PERMANENT PAVEMENT MARKING
- ④ 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.

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ILLINOIS DEPARTMENT OF TRANSPORTATION

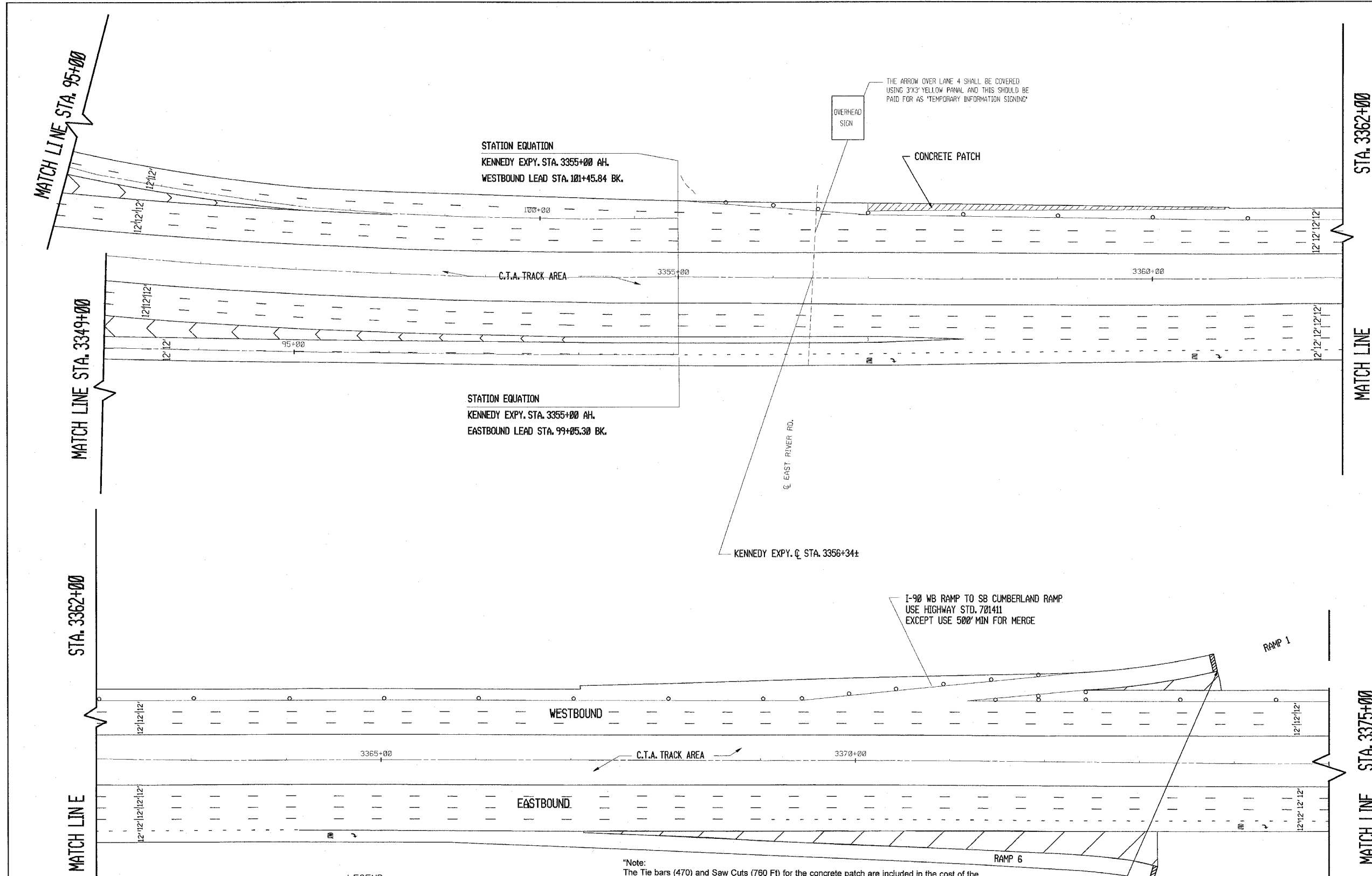
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
TRAFFIC CONTROL PLAN

SCALE: VERT. _____
HORIZ. _____

DATE _____ DRAWN BY _____
CHECKED BY _____

PLOT DATE = 2/6/2006
 FILE NAME = I:\2006\122884\122884.dwg
 PLOT SCALE = 1/8" = 1'-0"
 REFERENCE = REF#

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | * | COOK | 81 | 12 A |
| STA. 3349+00 | | TO STA. 3375+00 | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| * (1012, 1214, 1415, & 1517) RS-3 | | | | |



- LEGEND**
- TYPE II BARRICADES, DRUMS OR VERTICAL BARRICADES WITH MONO-DIRECTIONAL STEADY BURN LIGHT @ 100' C-C ON TANGENT AND 50' ON TAPERS
 - TEMPORARY LANE CLOSURE FOR LANE 3 IS ALLOWED PER "KEEPING THE EXPRESSWAY OPEN TO TRAFFIC" SPEC.

Note:
The Tie bars (470) and Saw Cuts (760 Ft) for the concrete patch are included in the cost of the Class C Patch.

Lane closures for the concrete patching shall be allowed for one full weekend according to the hours for weekend closures specified in the Special Provision "Keeping the Expressway Open to Traffic"

The contractor shall detour the NB IL 171 (Cumberland Ave) to WB I-90 traffic as follows: Continue North on IL 171 (Cumberland Ave) to IL 72 (Higgins Rd). Turn right onto IL 72 (Higgins Rd) and travel East on IL 72 (Higgins Rd) to IL 43 (Harlem Ave). Turn left onto IL 43 (Harlem Ave) and travel North on IL 43 (Harlem Ave) to Bryn Mawr Ave. Turn left onto Bryn Mawr and merge on left to the I-90 WB entrance ramp. The cost of temporary detour signage (12 signs) is included in the cost of "Traffic Control and Protection (Expressways)".

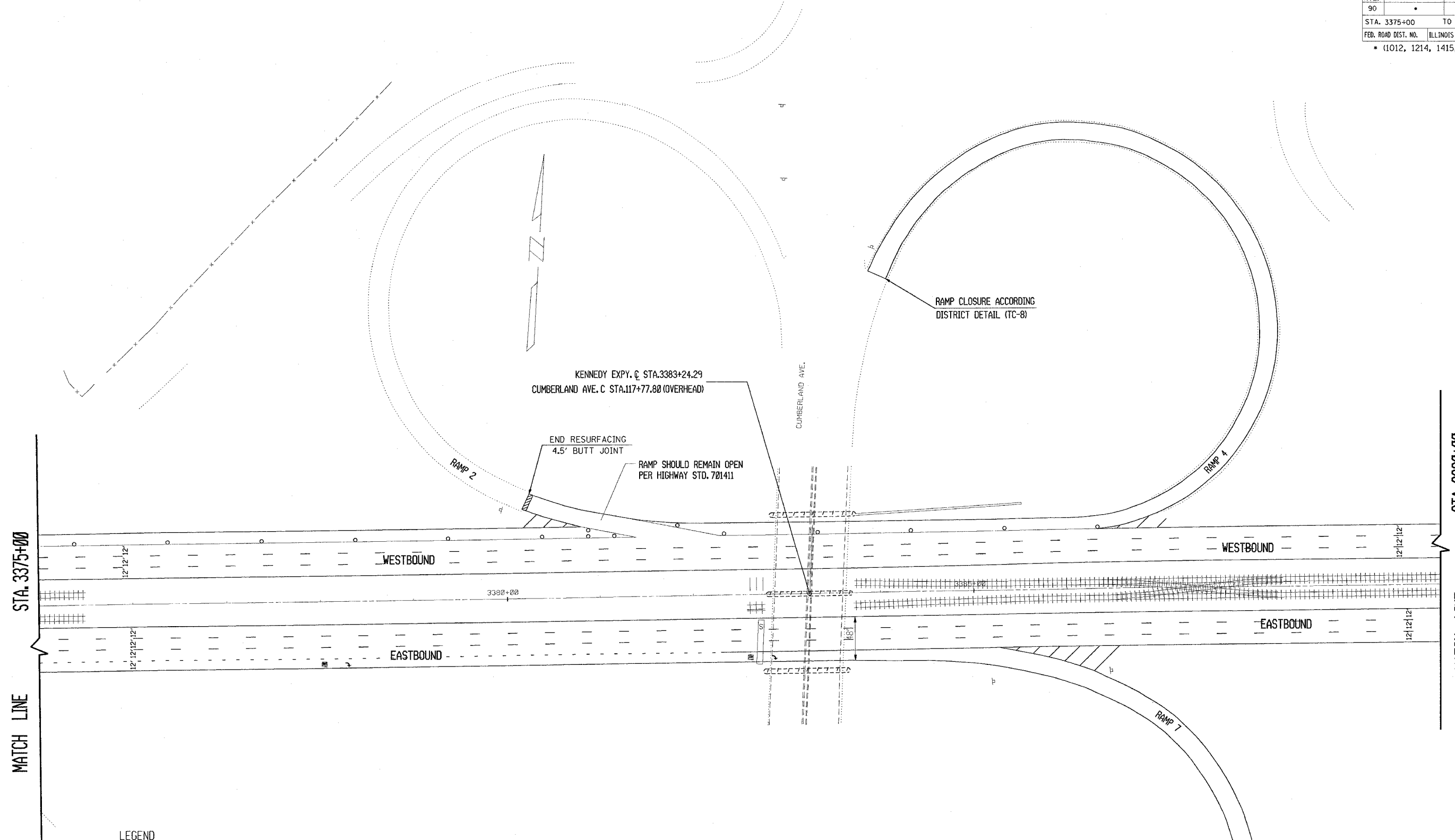
| REVISIONS | |
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| NAME | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
SUGGESTED STAGING AND
TRAFFIC CONTROL FOR CONCRETE PATCH

SCALE: HORIZ. 1" = 100'
DATE 9/10/85

DRAWN BY CADD
CHECKED BY

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | * | COOK | 81 | 12 B |
| STA. 3375+00 | | TO STA. 3390+00 | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| * (1012, 1214, 1415, & 1517) RS-3 | | | | |



MATCH LINE
STA. 3375+00

STA. 3390+00
MATCH LINE

LEGEND

- TYPE II BARRICADES, DRUMS OR VERTICAL BARRICADES WITH MONO-DIRECTIONAL STEADY BURN LIGHT @ 100' C-C ON TANGENT AND 50' ON TAPERS
- TEMPORARY LANE CLOSURE FOR LANE 3 IS ALLOWED PER "KEEPING THE EXPERSSWAY OPEN TO TRAFFIC" SPEC.

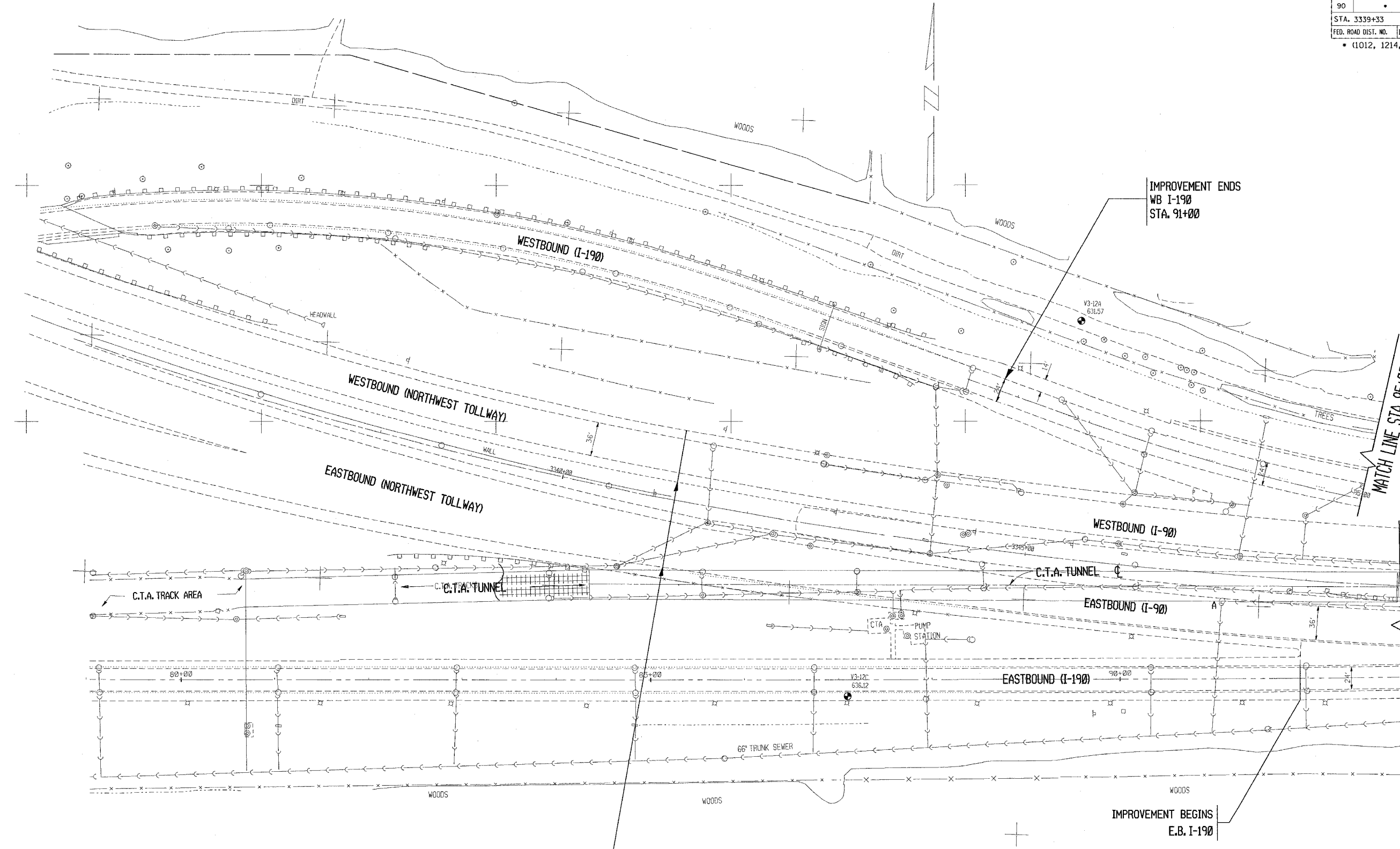
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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
 KENNEDY EXPRESSWAY
 SUGGESTED STAGING AND
 TRAFFIC CONTROL FOR CONCRETE PATCH

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

2/10/2006
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 LEVELS = 2.6.27.28.35.36

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | * | COOK | 81 | 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.

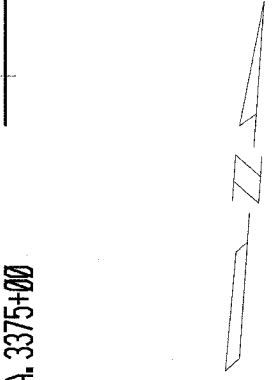
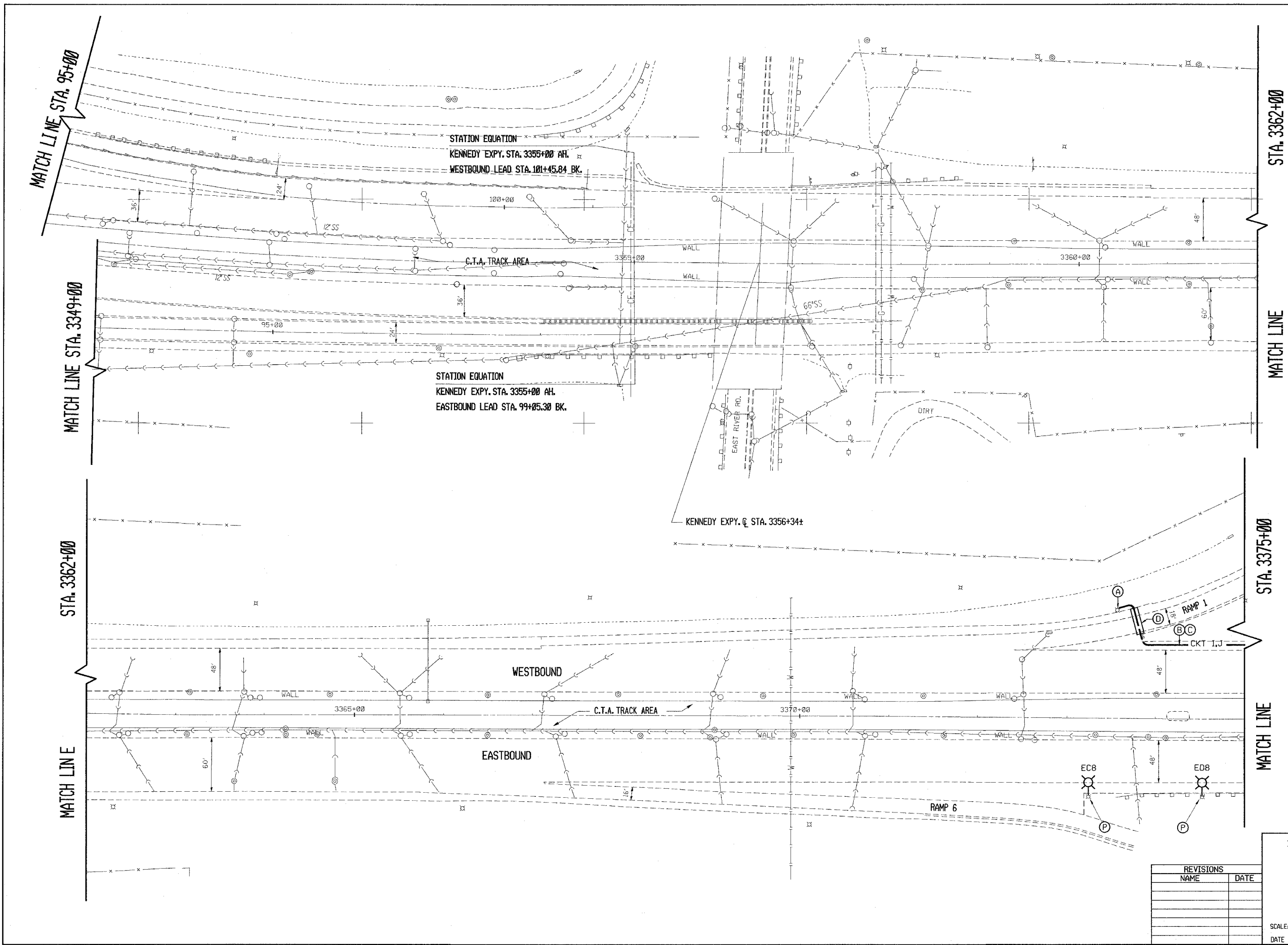
IMPROVEMENT BEGINS
E.B. I-190

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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
EXISTING CONDITIONS
STA. 3339+33 TO STA. 3349+00
SCALE: HORIZ. DRAWN BY
DATE: _____ SCALE IN FEET CHECKED BY

PLOT DATE = 2/3/2005
FILE NAME = c:\pco\mets\12888\130a.mxd
PLOT SCALE = 60.000' / IN.
REFERENCE = REF#

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|-----------------|------------------|-----------|
| 90 | * | COOK | 81 | 14 |
| STA. 3349+00 | | TO STA. 3375+00 | | |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

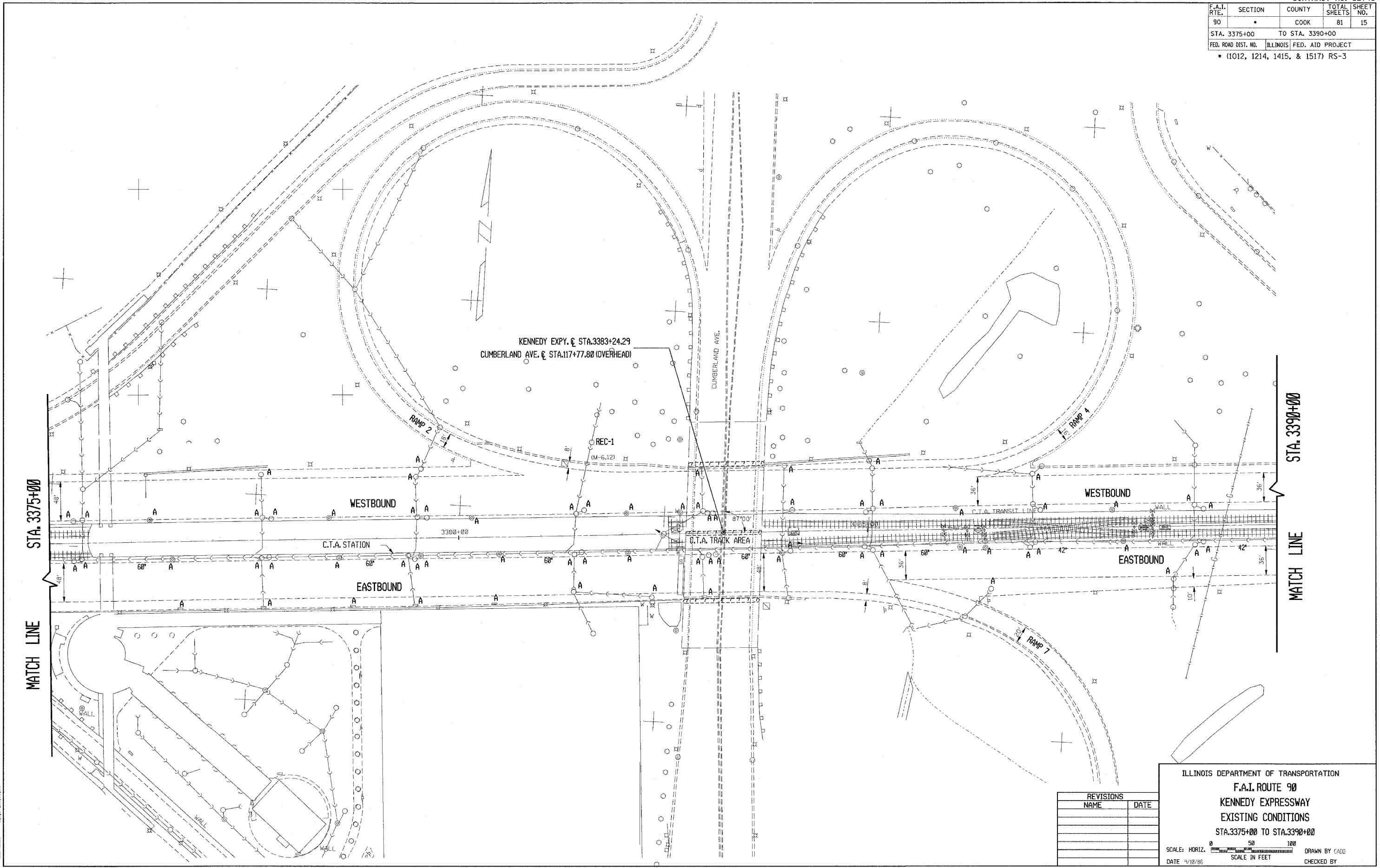


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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
LIGHTING PLANS
KENNEDY EXPRESSWAY
EXISTING CONDITIONS
STA. 3349+00 TO STA. 3375+00

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 | 81 | 15 |
| STA. 3375+00 | | TO STA. 3390+00 | | |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |



STA. 3375+00

STA. 3390+00

MATCH LINE

MATCH LINE

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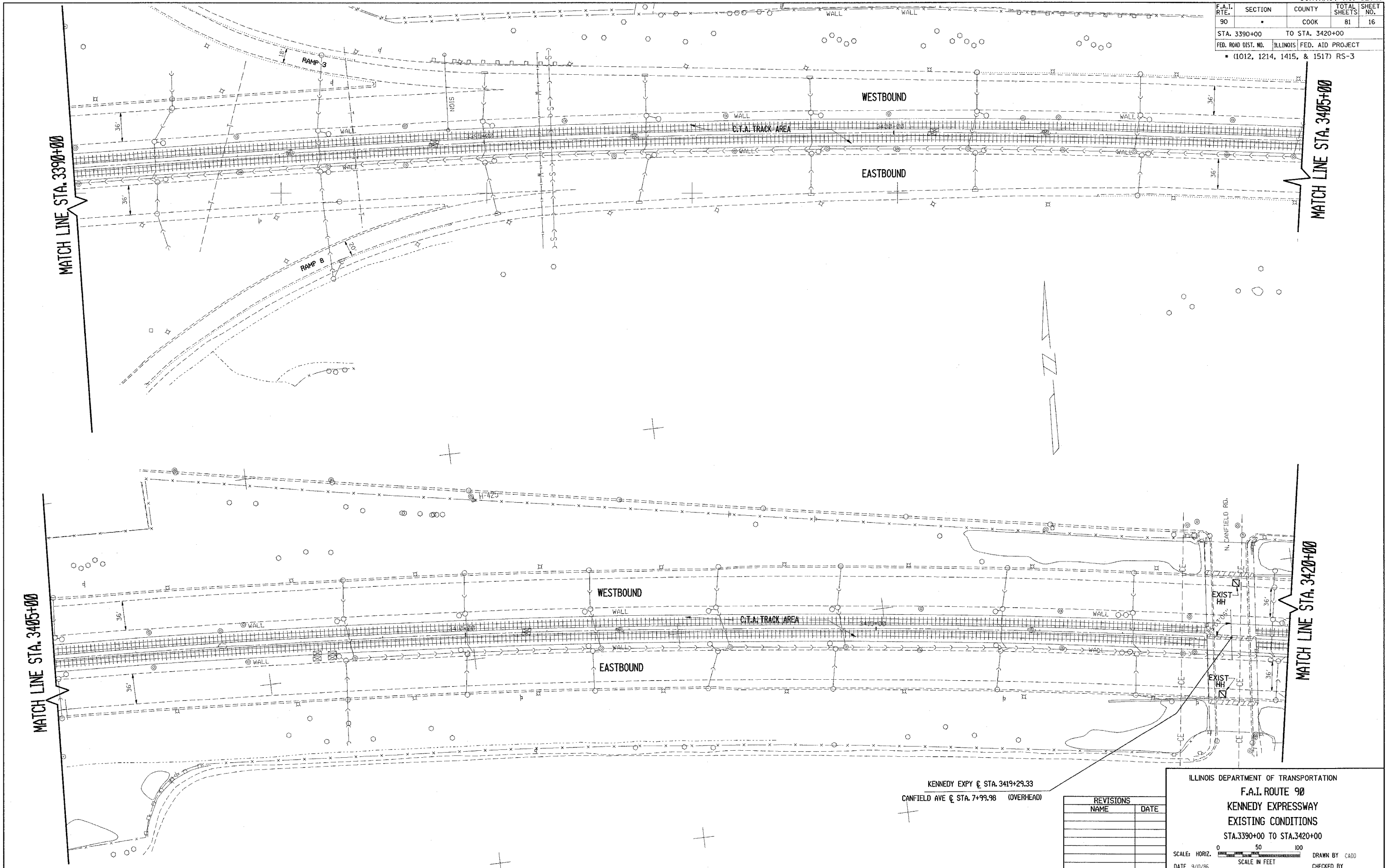
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
EXISTING CONDITIONS
STA. 3375+00 TO STA. 3390+00

SCALE: HORIZ. SCALE IN FEET

DATE 9/10/86 DRAWN BY CADD CHECKED BY

2/3/2006
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 LEVELS = 2,4,7,26,35,36

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|-----------------------------------|---------|---------------------------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | | COOK | 81 | 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)

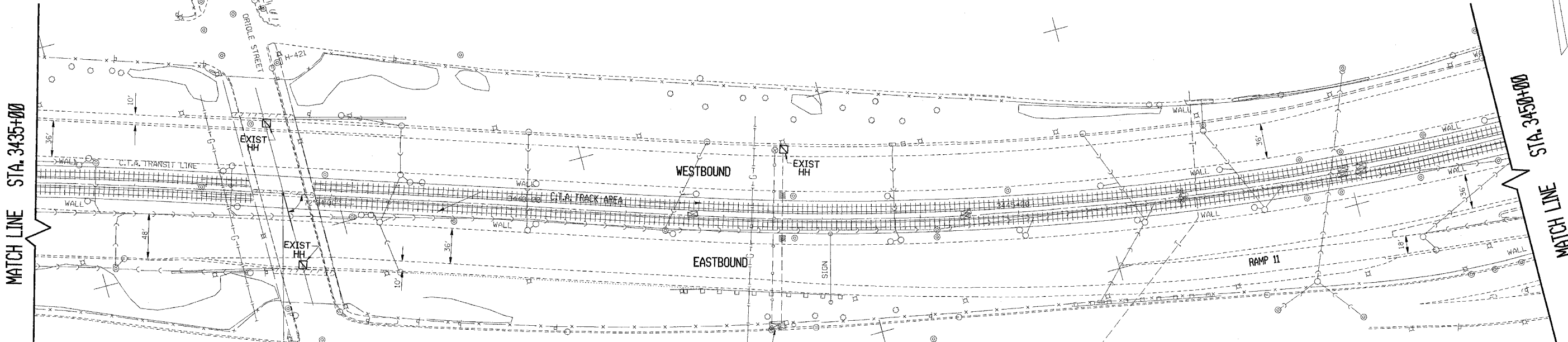
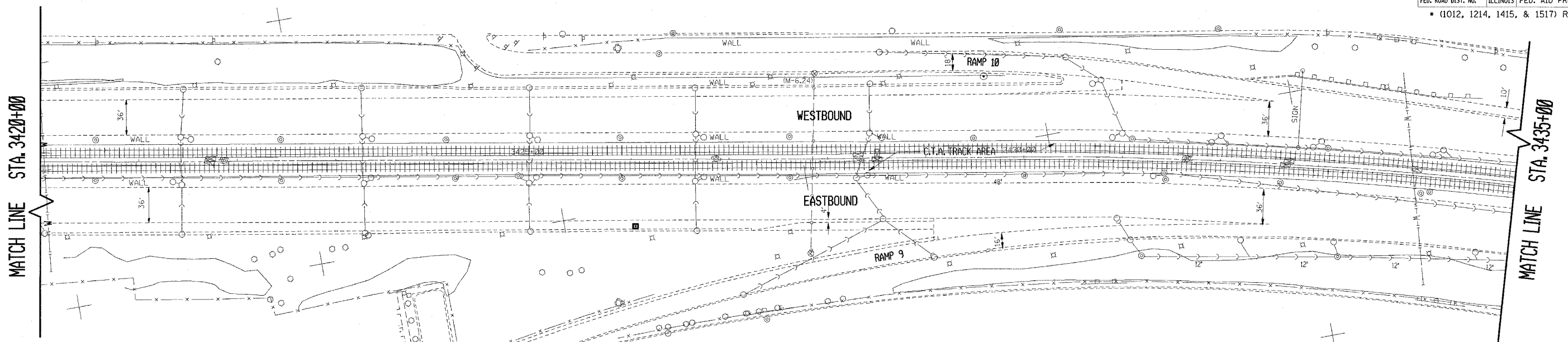
| REVISIONS | |
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ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 90
 KENNEDY EXPRESSWAY
 EXISTING CONDITIONS
 STA. 3390+00 TO STA. 3420+00

SCALE: HORIZ. SCALE IN FEET

DATE 9/0/95 DRAWN BY CADD CHECKED BY

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | | COOK | 81 | 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)

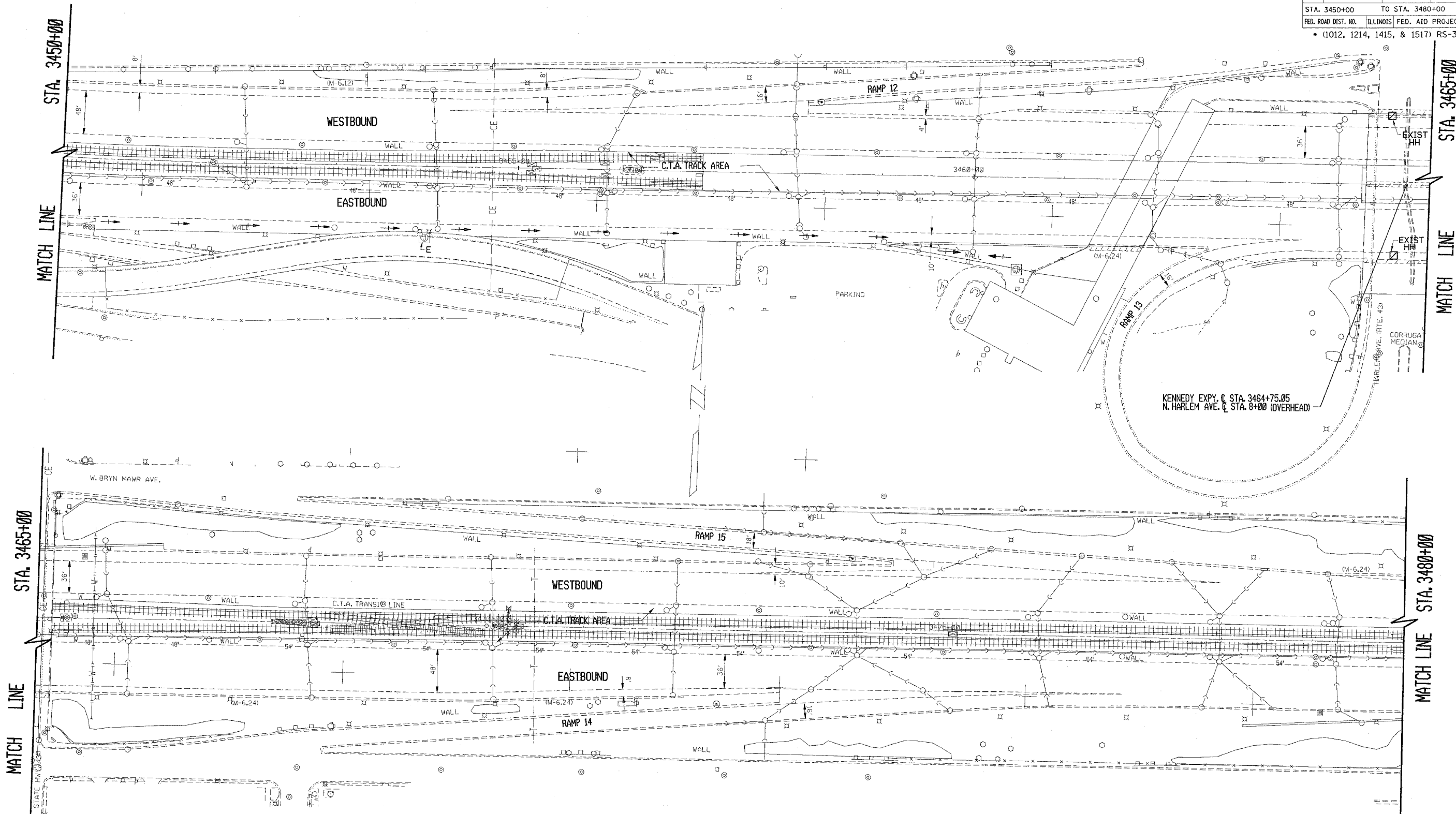
EXISTING CONTROL CABINET 'F'

| REVISIONS | |
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| NAME | DATE |
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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 2/3/2006 DRAWN BY CAD0 CHECKED BY

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | | COOK | 81 | 18 |
| STA. 3450+00 | | TO STA. 3480+00 | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

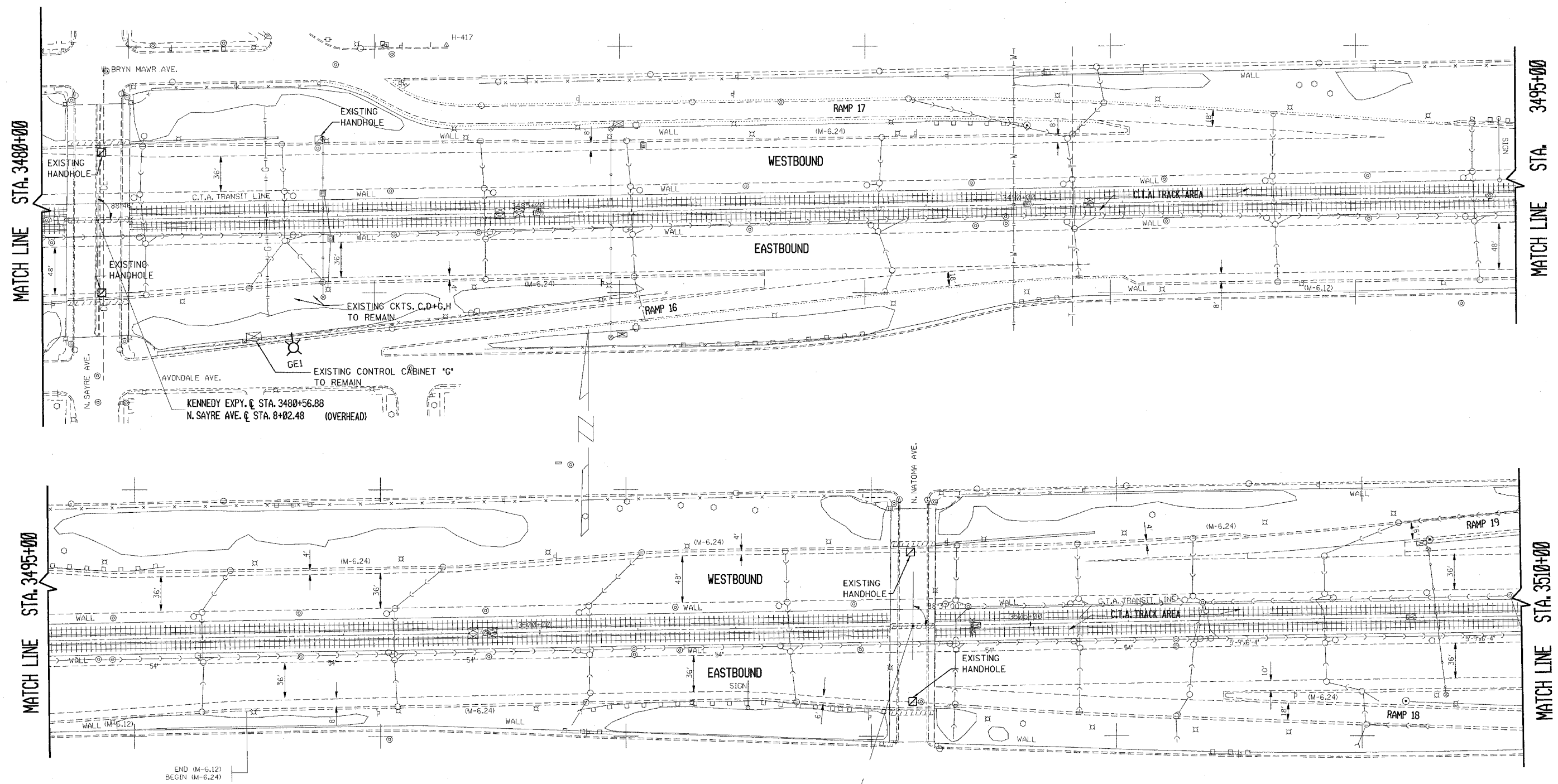


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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
EXISTING CONDITIONS
STA. 3450+00 TO STA. 3480+00

SCALE: HORIZ. SCALE IN FEET
 DATE 2/3/2006 DRAWN BY CADD CHECKED BY

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | | COOK | 81 | 19 |
| 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

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

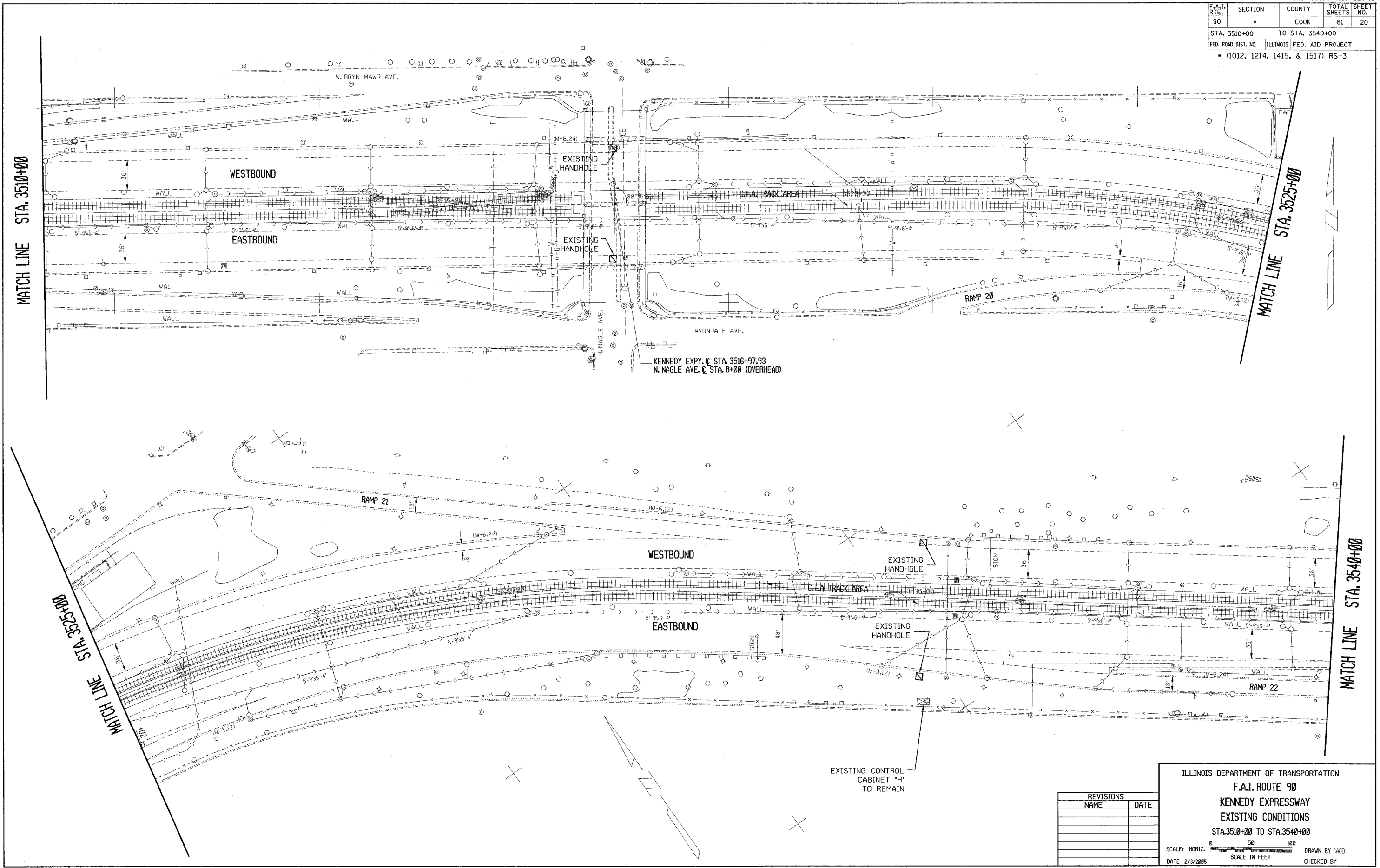
KENNEDY EXPY. C (STA. 3503+79.91)
N. NATOMA AVE. & STA. 8+19.86 (OVERHEAD)

| REVISIONS | |
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| NAME | DATE |
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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 2/3/2006 DRAWN BY GAD CHECKED BY

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | * | COOK | 81 | 20 |
| STA. 3510+00 | | TO STA. 3540+00 | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| * (1012, 1214, 1415, & 1517) RS-3 | | | | |



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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 2/3/2006 DRAWN BY CADD CHECKED BY

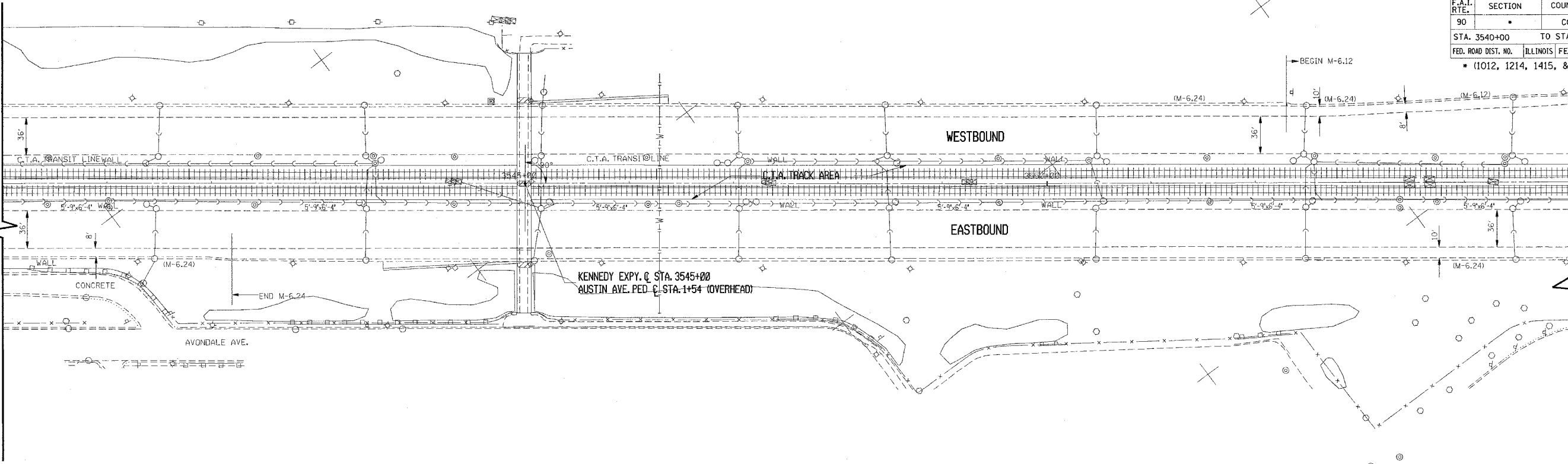
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | | COOK | 81 | 21 |
| STA. 3540+00 | | TO STA. 3570+00 | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| * (1012, 1214, 1415, & 1517) RS-3 | | | | |

STA. 3540+00

MATCH LINE

STA. 3555+00

MATCH LINE

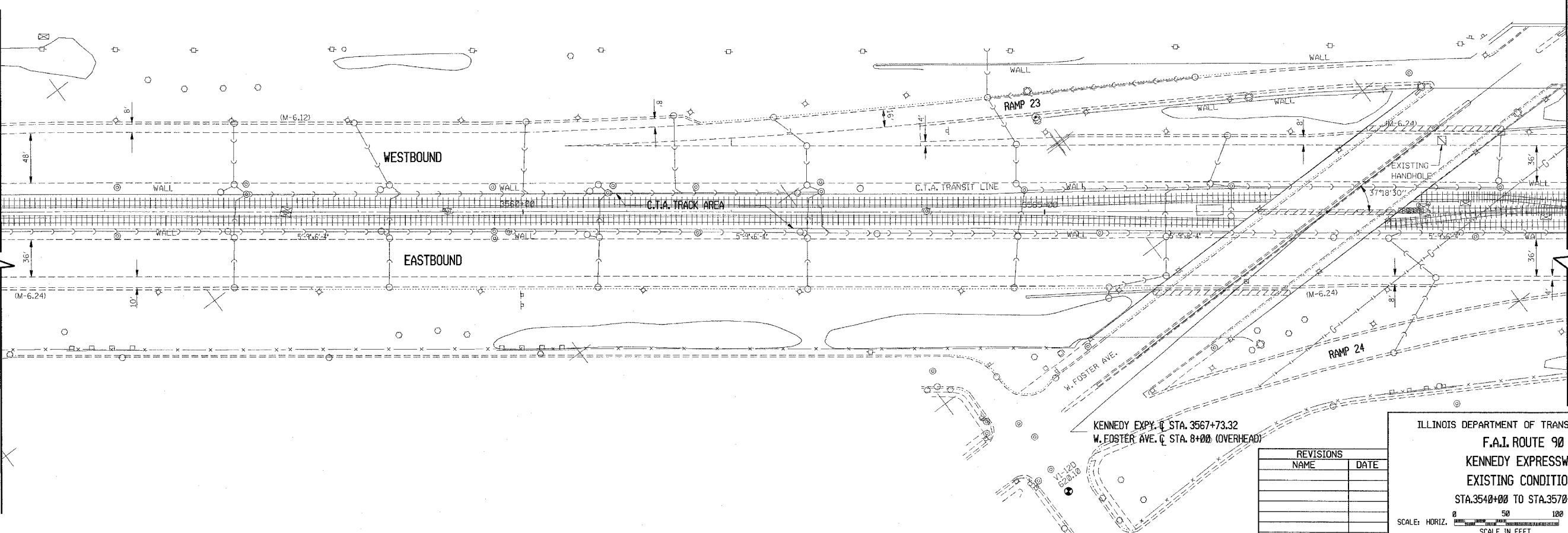


STA. 3555+00

MATCH LINE

STA. 3570+00

MATCH LINE



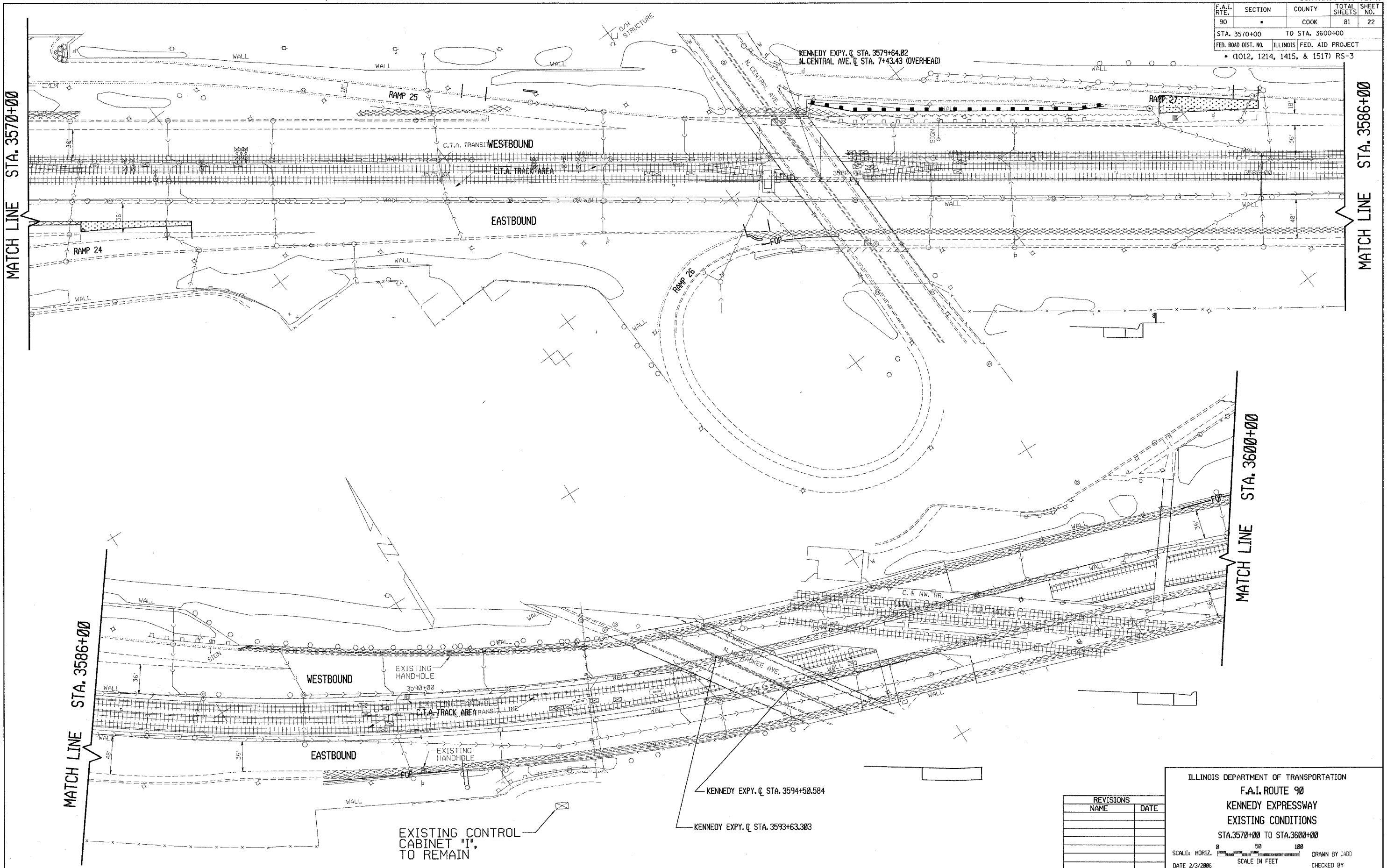
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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
EXISTING CONDITIONS
STA. 3540+00 TO STA. 3570+00

SCALE: HORIZ. SCALE IN FEET

DATE: ##/##/## DRAWN BY: HJJK
 CHECKED BY: GUS

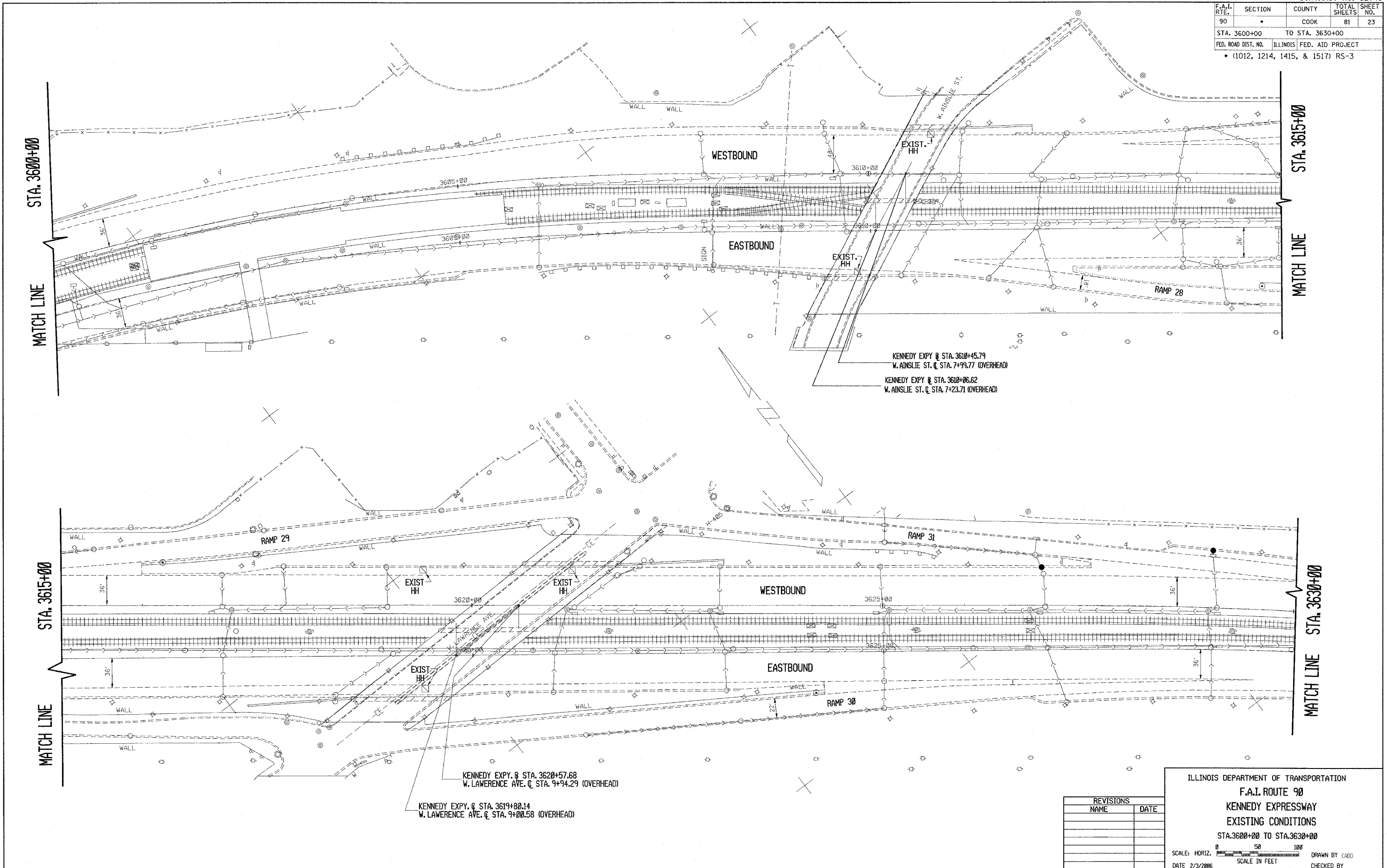
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | | COOK | 81 | 22 |
| STA. 3570+00 | | TO STA. 3600+00 | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |



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ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 90
 KENNEDY EXPRESSWAY
 EXISTING CONDITIONS
 STA. 3570+00 TO STA. 3600+00
 SCALE: HORIZ. 1" = 50' 120'
 DATE 2/3/2006 SCALE IN FEET DRAWN BY CAGB CHECKED BY

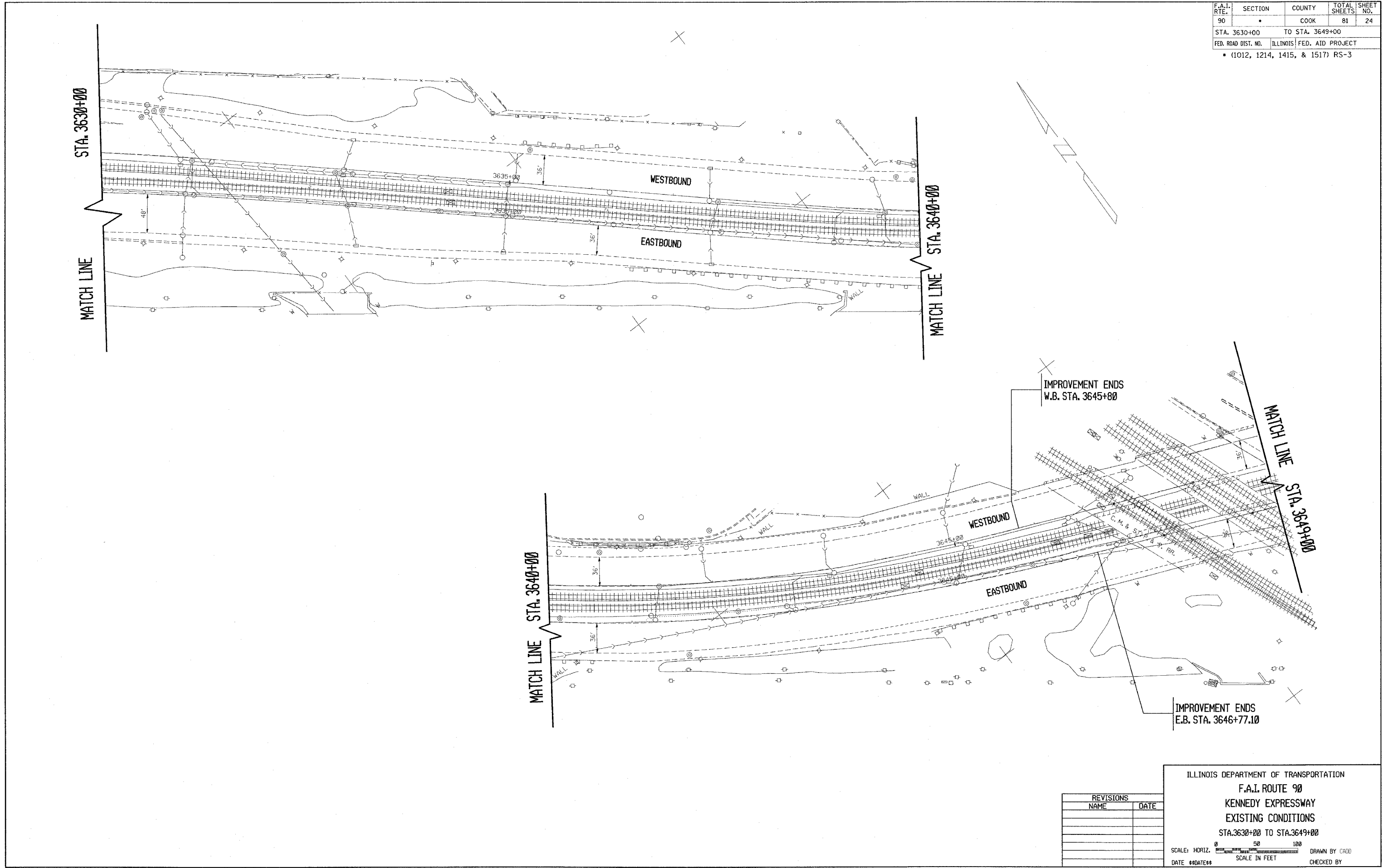
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | | COOK | 81 | 23 |
| STA. 3600+00 | | TO STA. 3630+00 | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |



| REVISIONS | |
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| NAME | DATE |
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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 2/3/2006 DRAWN BY CAD00 CHECKED BY

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | | COOK | 81 | 24 |
| STA. 3630+00 | | TO STA. 3649+00 | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |



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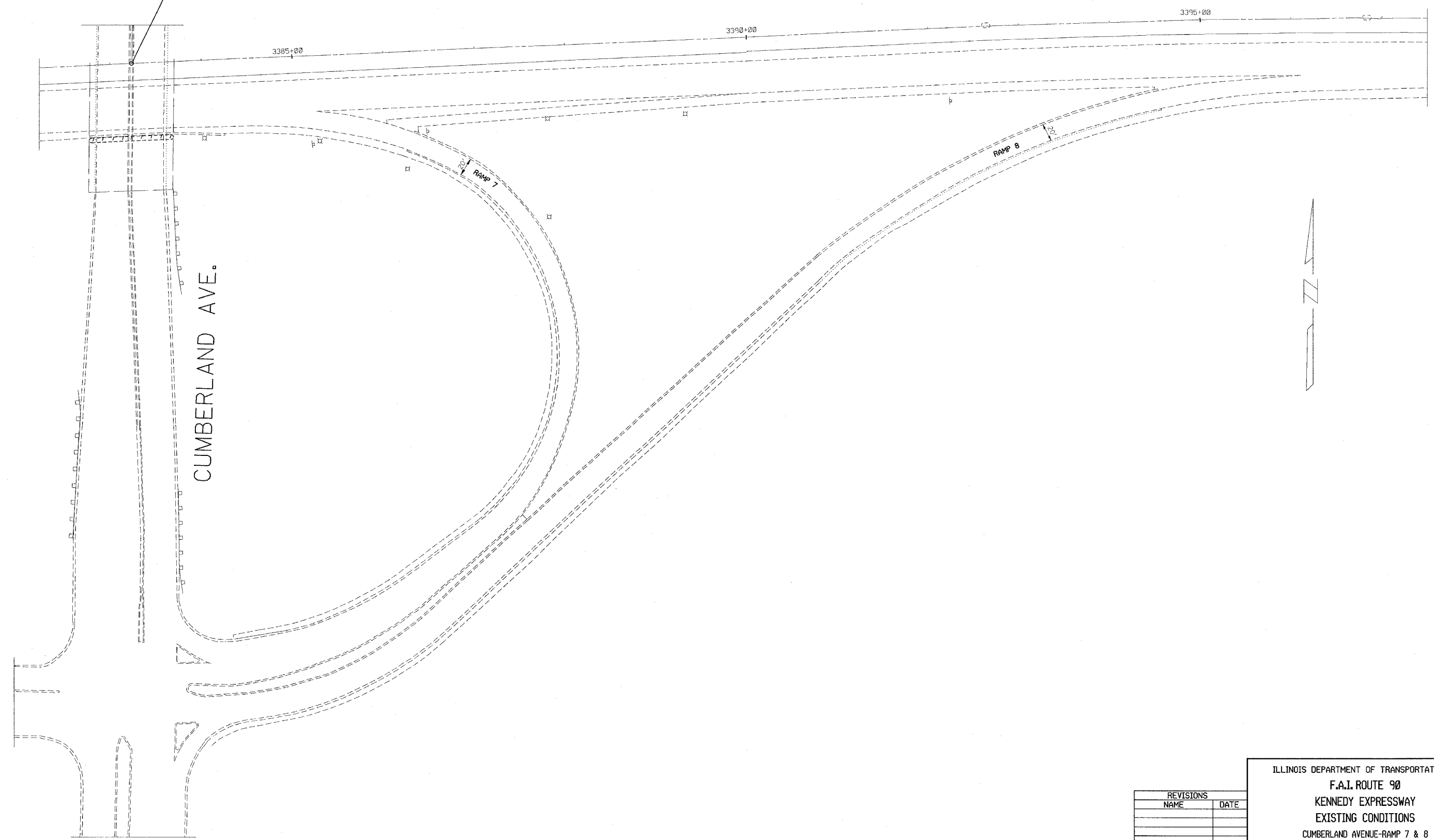
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 90
 KENNEDY EXPRESSWAY
 EXISTING CONDITIONS
 STA. 3630+00 TO STA. 3649+00

SCALE: HORIZ. SCALE IN FEET

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

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|----------|------------------|--------------|-----------|
| 90 | * | COOK | 81 | 25 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |
| * (1012, 1214, 1415, & 1517) RS-3 | | | | |

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



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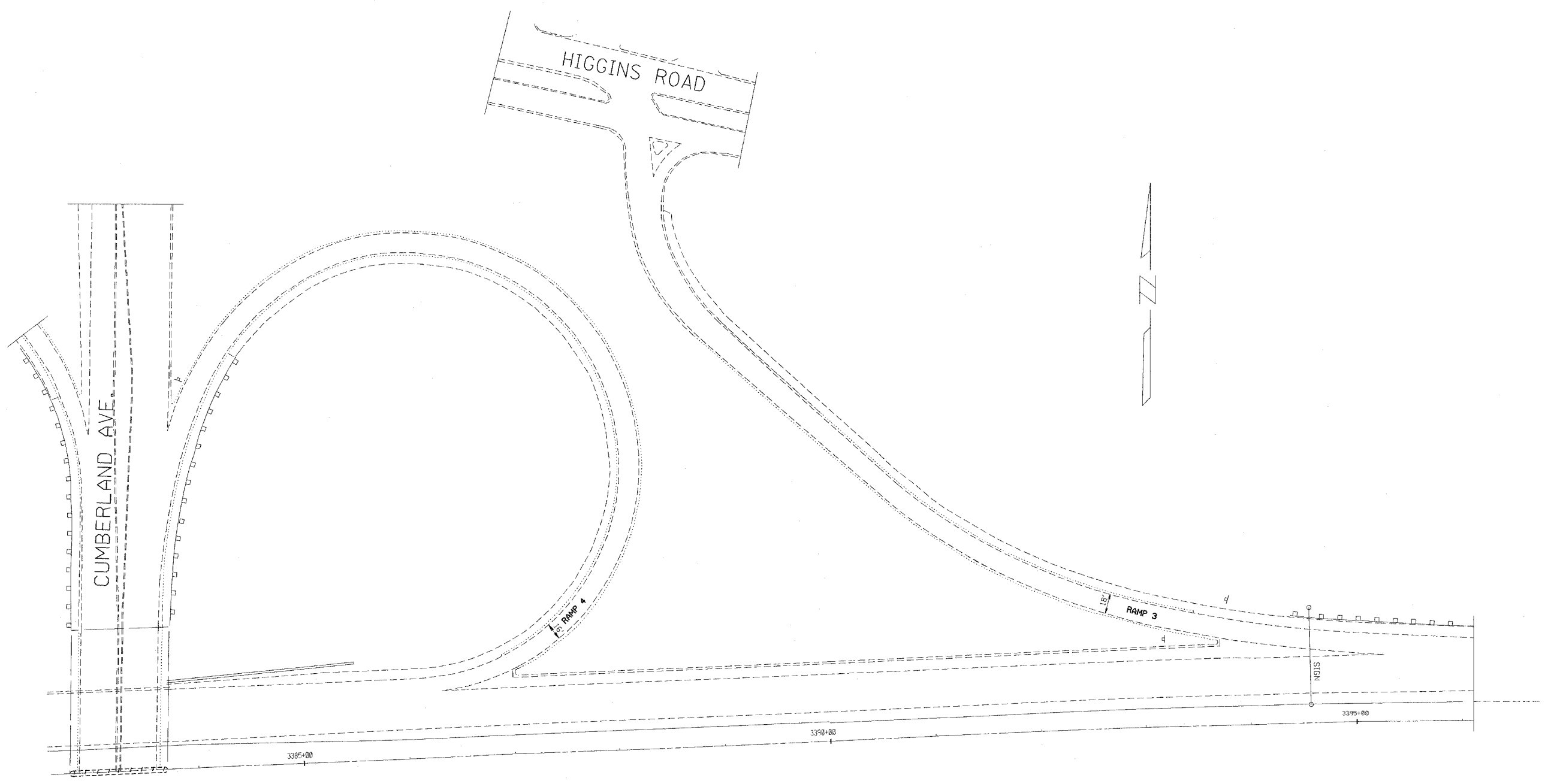
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 90
 KENNEDY EXPRESSWAY
 EXISTING CONDITIONS
 CUMBERLAND AVENUE-RAMP 7 & 8

SCALE: HORIZ. SCALE IN FEET

DATE ##DATE## DRAWN BY _____ CHECKED BY _____

CONTRACT NO. 62746

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|----------|------------------|-----------|
| 90 | * | COOK | 81 | 26 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | |
| * (1012, 1214, 1415, & 1517) RS-3 | | | | |

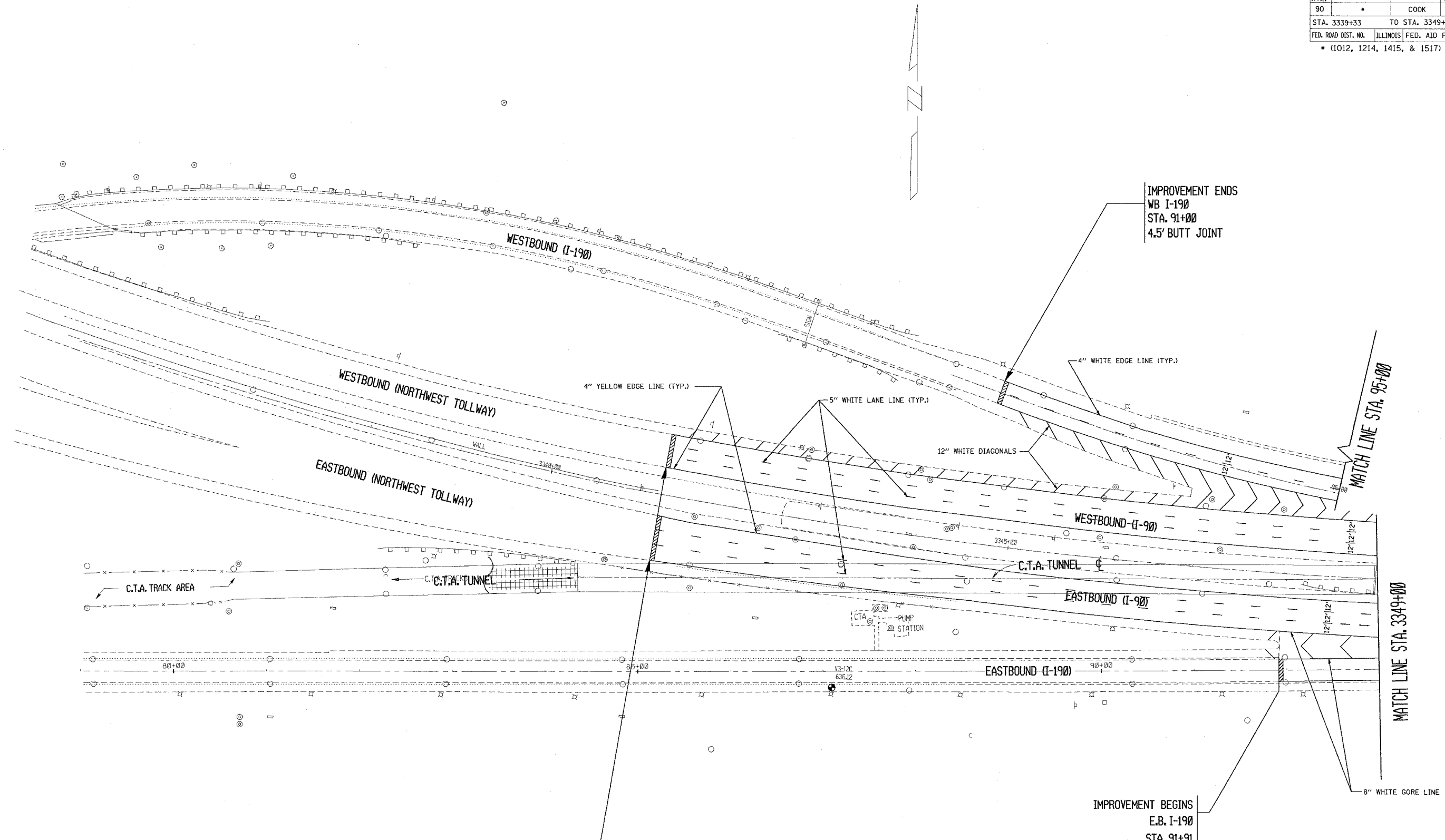


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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
EXISTING CONDITIONS
CUMBERLAND AVENUE-RAMP 3 & 4

SCALE: HORIZ. SCALE IN FEET
 DATE: **DATE** DRAWN BY: _____ CHECKED BY: _____

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|-----------------|------------------|-----------|
| 90 | * | COOK | 81 | 27 |
| 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
4.5' BUTT JOINT

MATCH LINE STA. 95+00

MATCH LINE STA. 3349+00

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

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

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

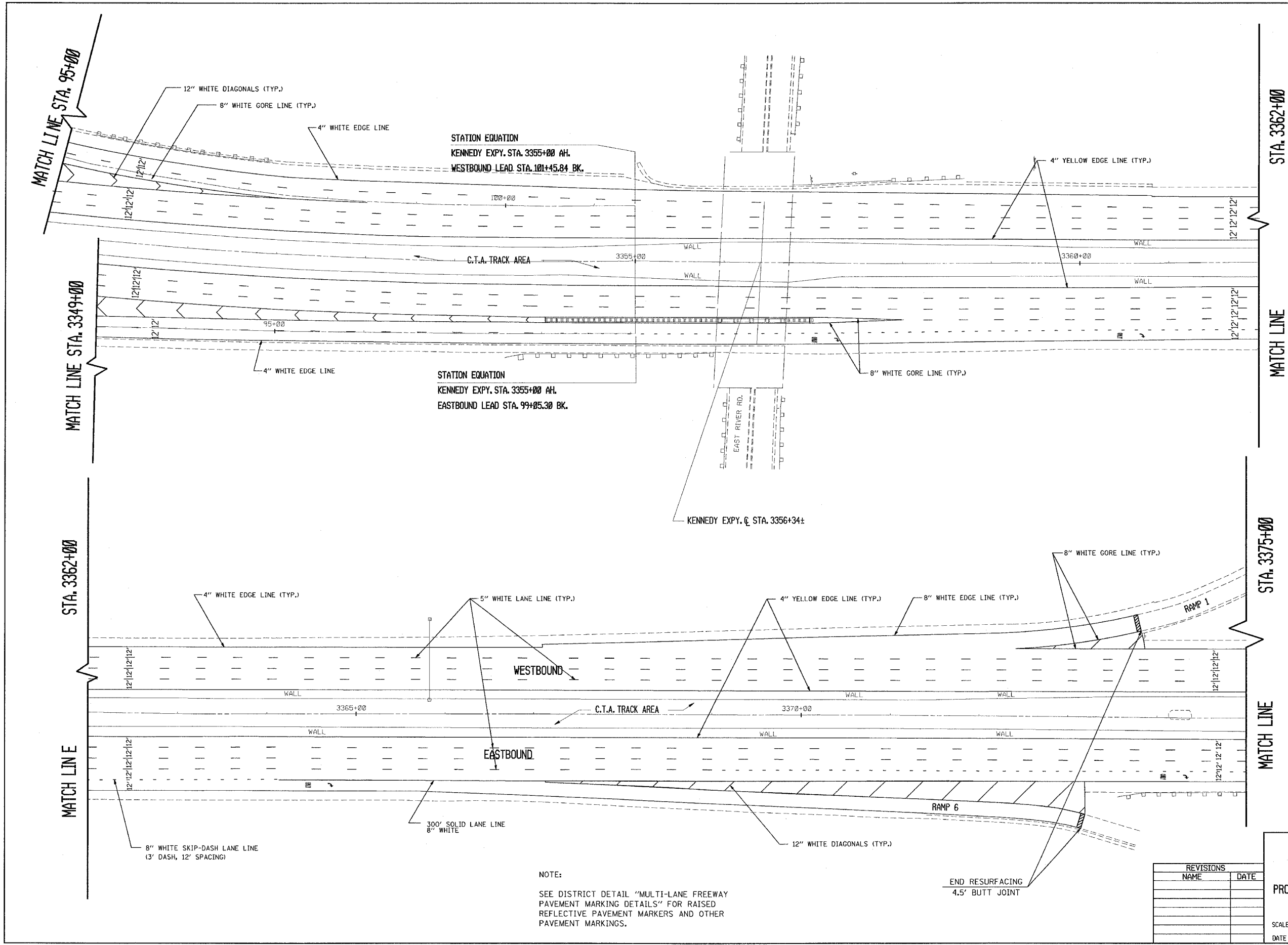
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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
PROPOSED PLANS & PAVEMENT MARKING PLANS
STA. 3339+33 TO STA. 3349+00

SCALE: HORIZ. SCALE IN FEET
DATE 2/3/2006 DRAWN BY C.L. CHECKED BY GNS

10-OCT-92 08:24:23
Z:\24110.01\317864A.DOC\41
LEVELS = 26212635

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | | COOK | 81 | 28 |
| STA. 3349+00 | | TO STA. 3375+00 | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |



STATION EQUATION
KENNEDY EXPY. STA. 3355+00 AH.
WESTBOUND LEAD STA. 101+45.84 BK.

STATION EQUATION
KENNEDY EXPY. STA. 3355+00 AH.
EASTBOUND LEAD STA. 99+05.30 BK.

KENNEDY EXPY. C. STA. 3356+34:

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

END RESURFACING
4.5' BUTT JOINT

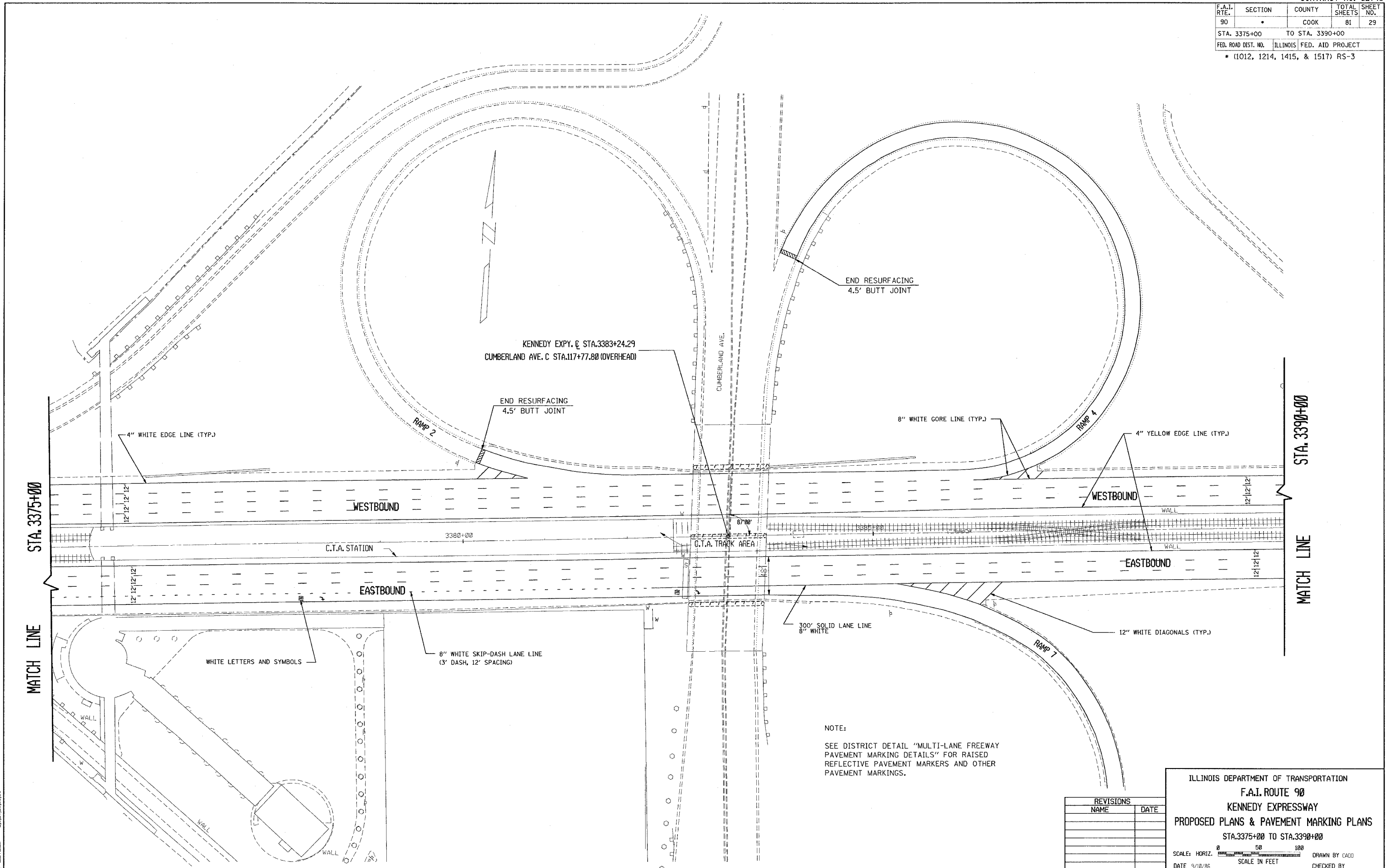
| REVISIONS | |
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| NAME | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
PROPOSED PLANS & PAVEMENT MARKING PLANS
STA. 3349+00 TO STA. 3375+00

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

CONTRACT NO. 62746

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | * | COOK | 81 | 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 | |
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| NAME | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
PROPOSED PLANS & PAVEMENT MARKING PLANS
STA.3375+00 TO STA.3390+00

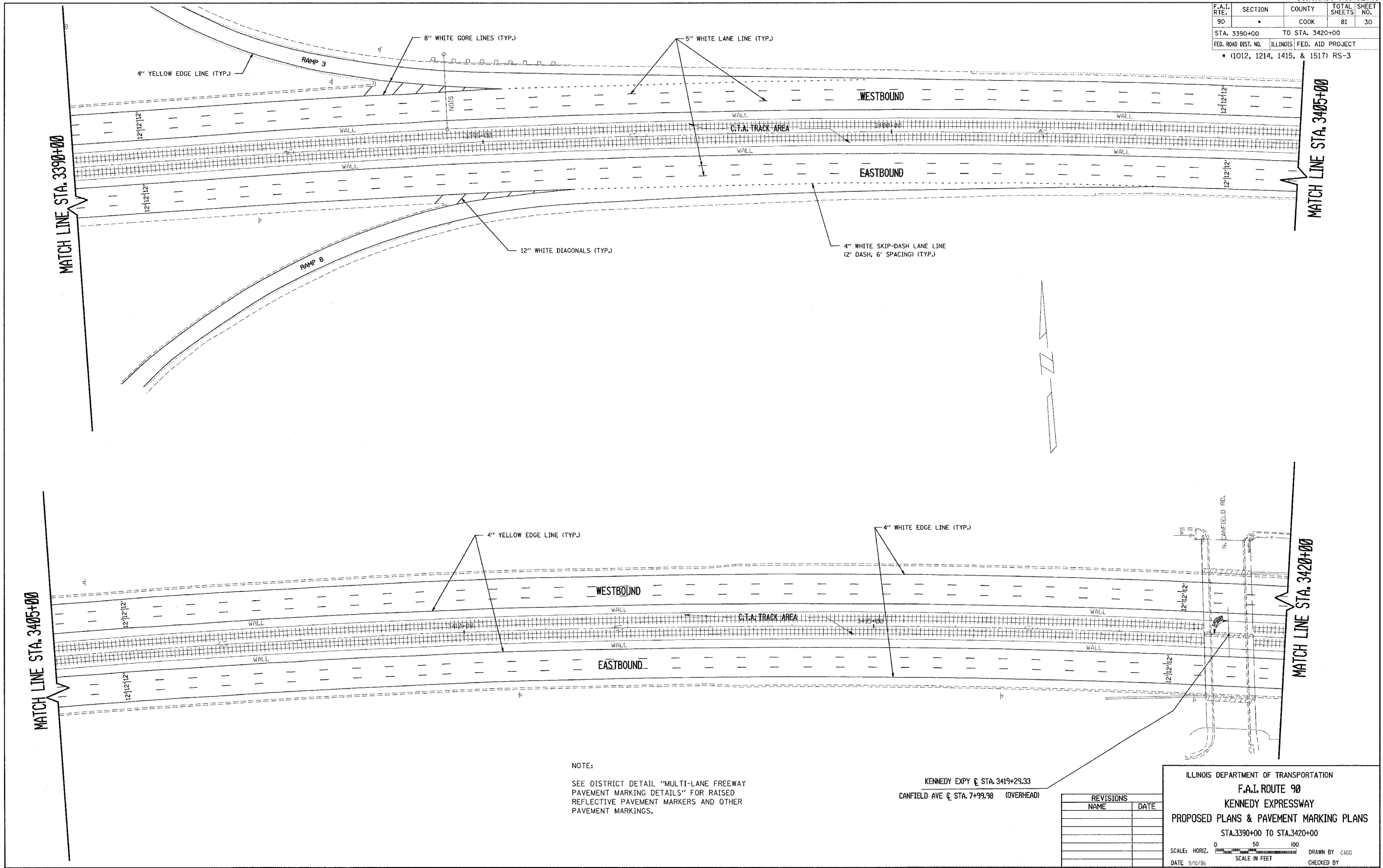
SCALE: HORIZ.
DATE 9/10/86 SCALE IN FEET

DRAWN BY CAD
CHECKED BY

2/29/06
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LEVELS = 2.637,28.26,36

2/3/2006
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| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | | COOK | 81 | 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)

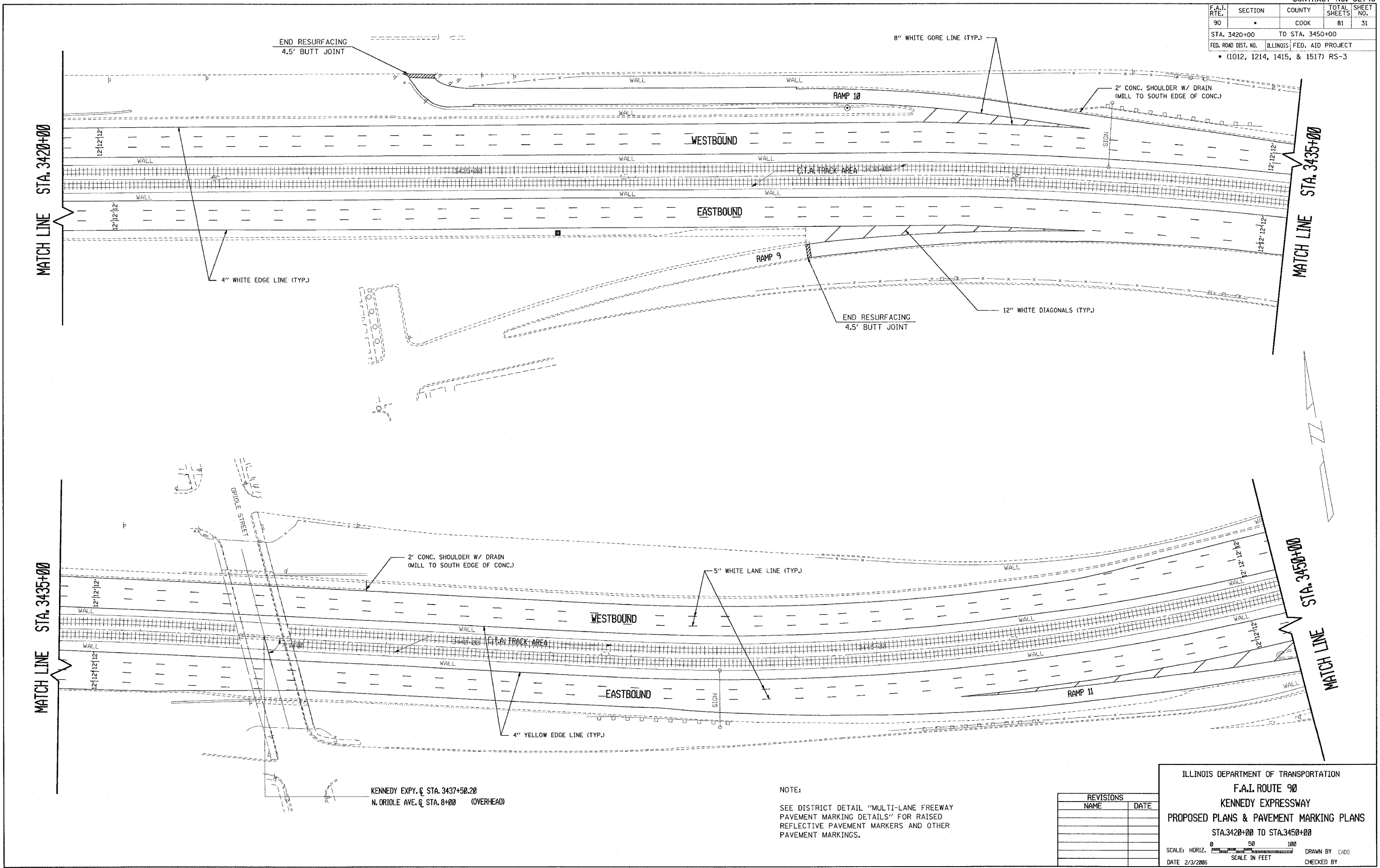
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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
PROPOSED PLANS & PAVEMENT MARKING PLANS
 STA. 3390+00 TO STA. 3420+00

SCALE: HORIZ. SCALE IN FEET

DATE 9/30/86 DRAWN BY CADD CHECKED BY

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | * | COOK | 81 | 31 |
| STA. 3420+00 | | TO STA. 3450+00 | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| * (1012, 1214, 1415, & 1517) RS-3 | | | | |



MATCH LINE STA. 3420+00

MATCH LINE STA. 3435+00

MATCH LINE STA. 3435+00

MATCH LINE STA. 3450+00

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

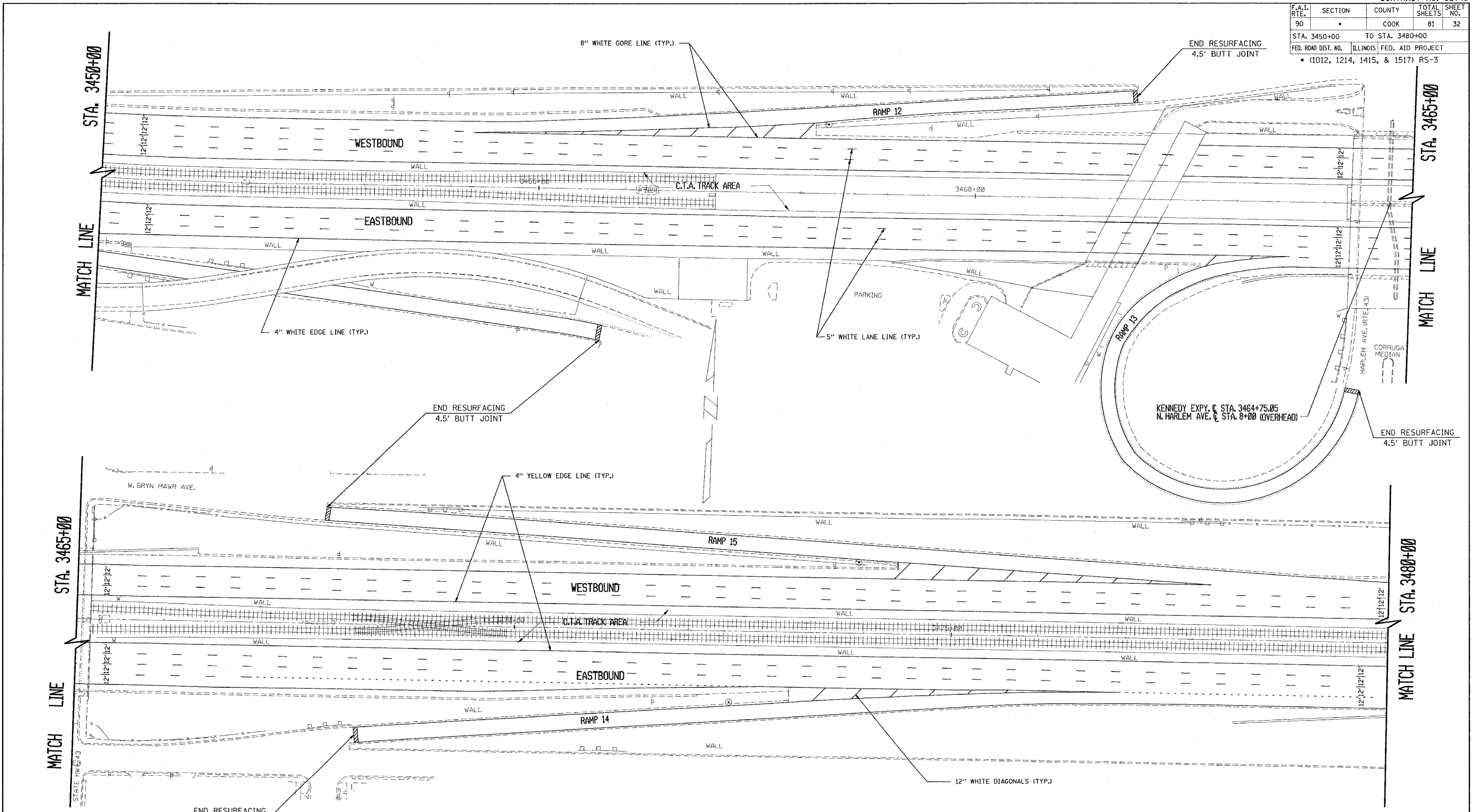
NOTE:
 SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER PAVEMENT MARKINGS.

| REVISIONS | |
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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. SCALE IN FEET
 DATE 2/3/2006 DRAWN BY CAD0 CHECKED BY

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|---------|-----------------------------------|--------------|-----------|
| 90 | | COOK | 81 | 32 |
| STA. 3450+00 | | TO STA. 3480+00 | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| | | • (1012, 1214, 1415, & 1517) RS-3 | | |



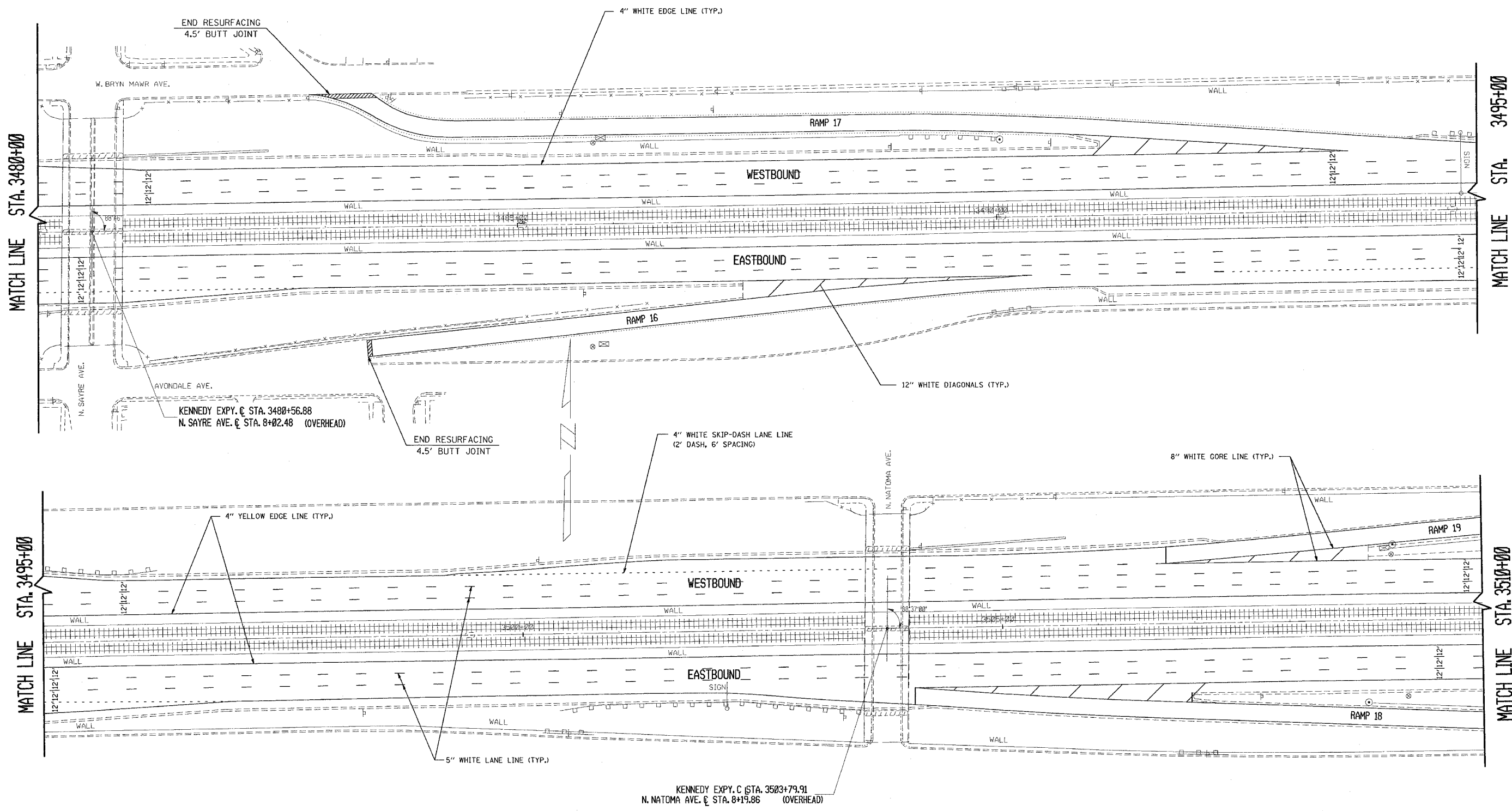
NOTE:
SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER PAVEMENT MARKINGS.

| REVISIONS | |
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| NAME | DATE |
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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 2/3/2006 DRAWN BY CAD0 CHECKED BY

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|-----------------|------------------|-----------|
| 90 | | COOK | 81 | 33 |
| STA. 3480+00 | | TO STA. 3510+00 | | |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |



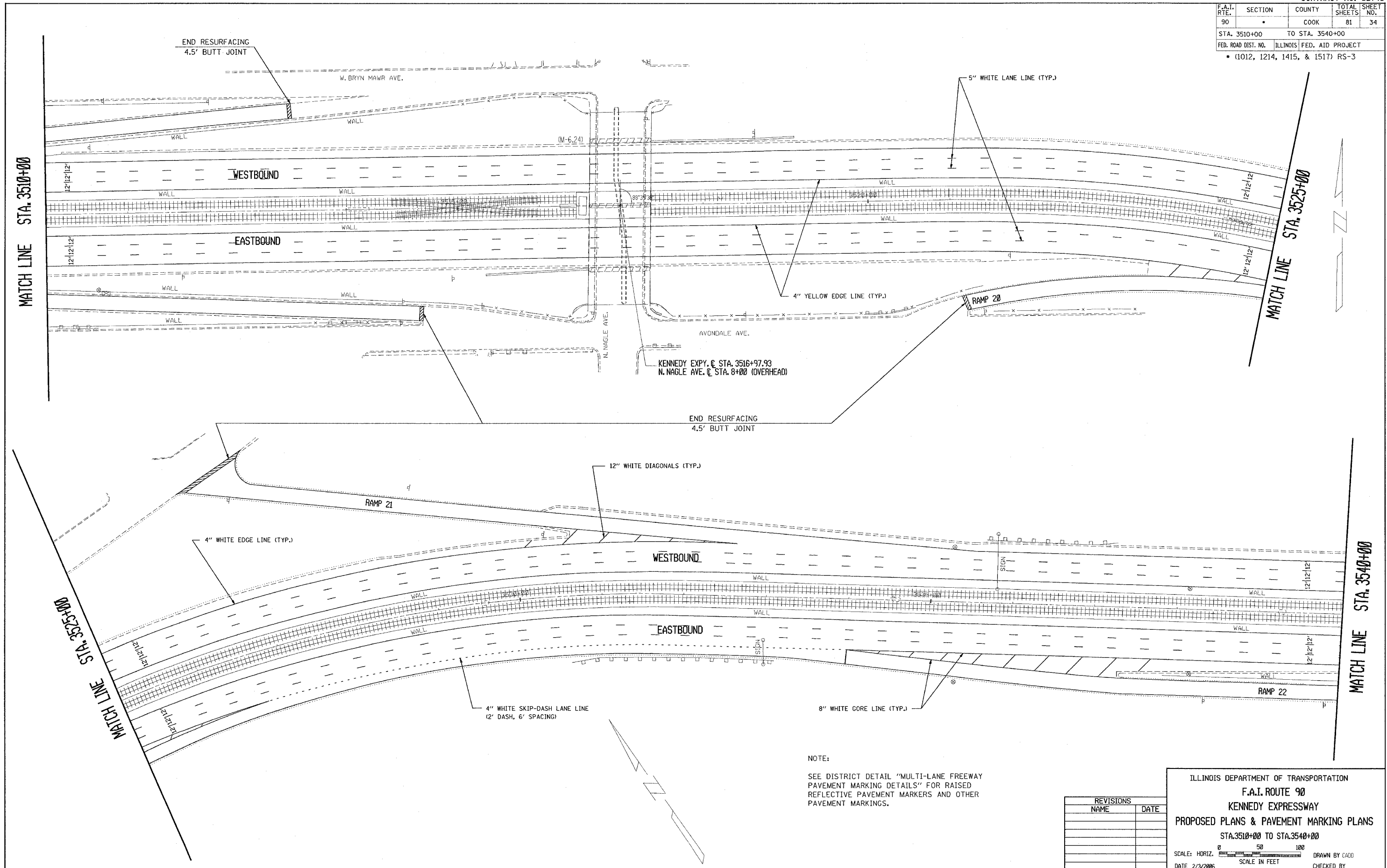
NOTE:
SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER PAVEMENT MARKINGS.

| REVISIONS | |
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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. SCALE IN FEET
 DATE 2/3/2006 DRAWN BY CADD CHECKED BY

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | | COOK | 81 | 34 |
| STA. 3510+00 | | TO STA. 3540+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 | |
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| NAME | DATE |
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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 2/3/2006 DRAWN BY CAD0 CHECKED BY

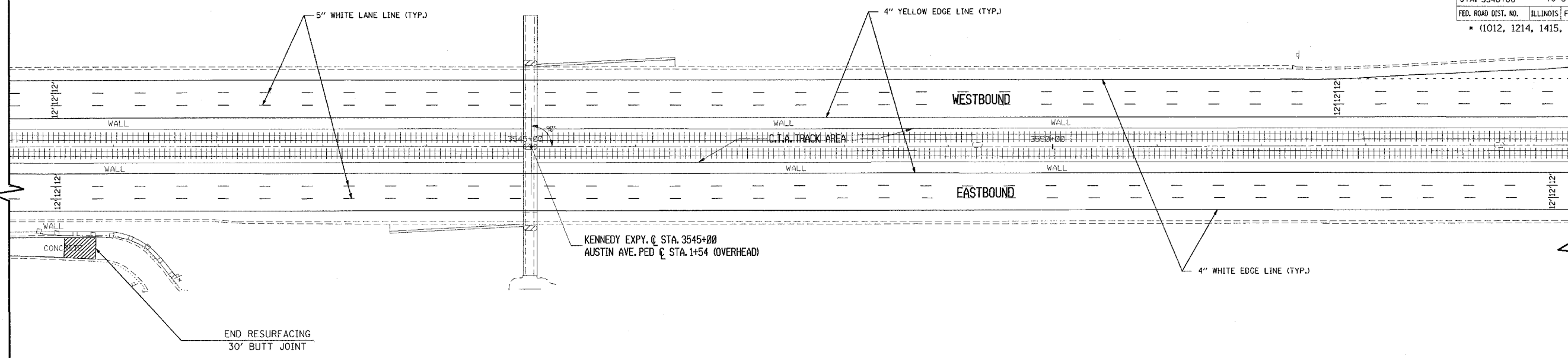
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|-----------------|------------------|-----------|
| 90 | | COOK | 81 | 35 |
| STA. 3540+00 | | TO STA. 3570+00 | | |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

STA. 3540+00

MATCH LINE

STA. 3555+00

MATCH LINE

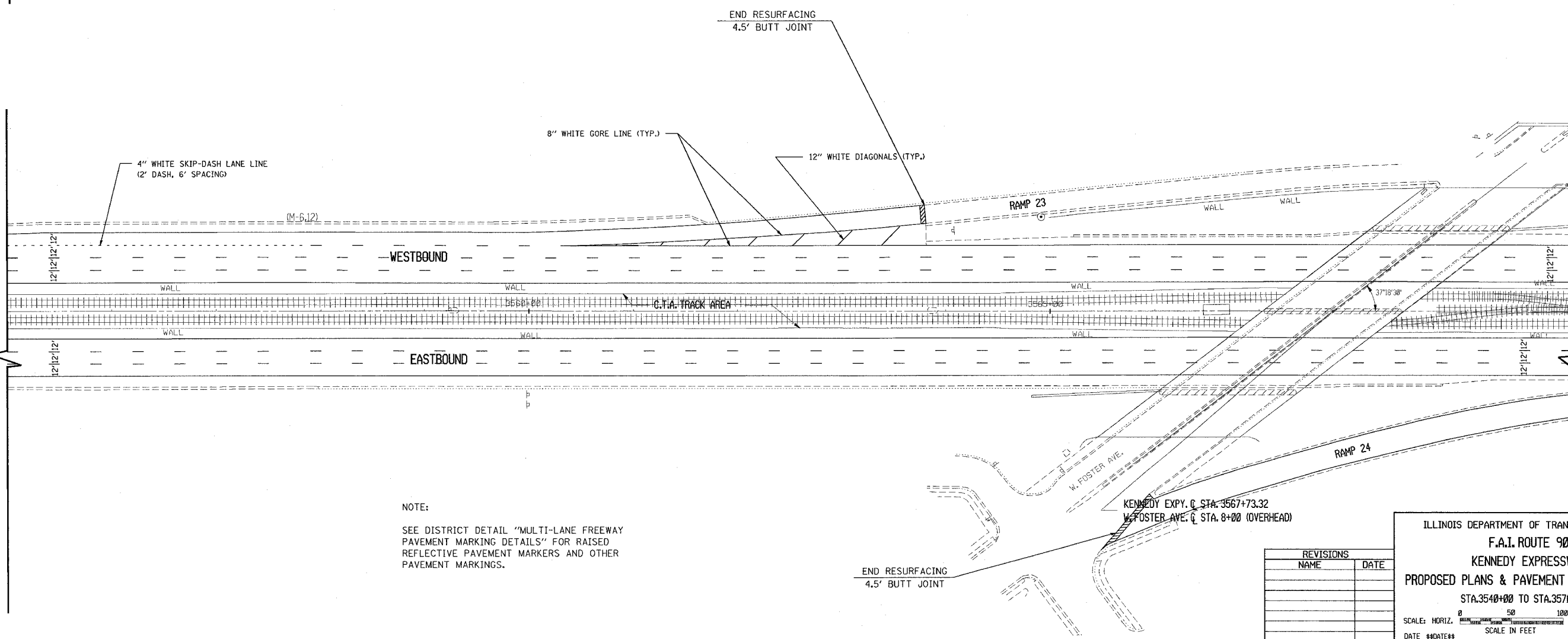


STA. 3555+00

MATCH LINE

STA. 3570+00

MATCH LINE

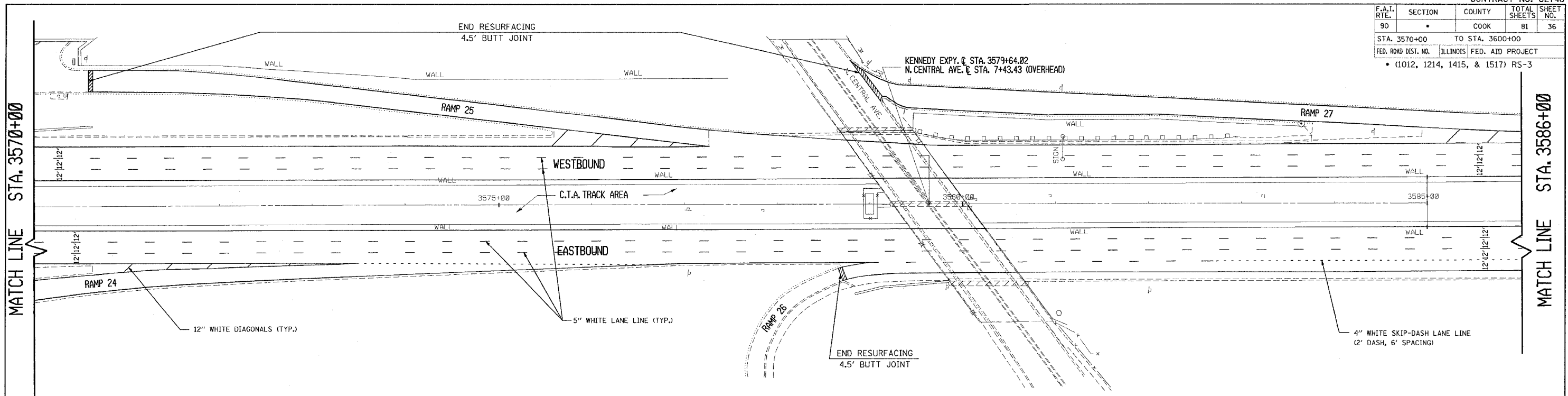


NOTE:
SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER PAVEMENT MARKINGS.

| REVISIONS | |
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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. SCALE IN FEET
 DRAWN BY H.J.K.
 CHECKED BY GUS

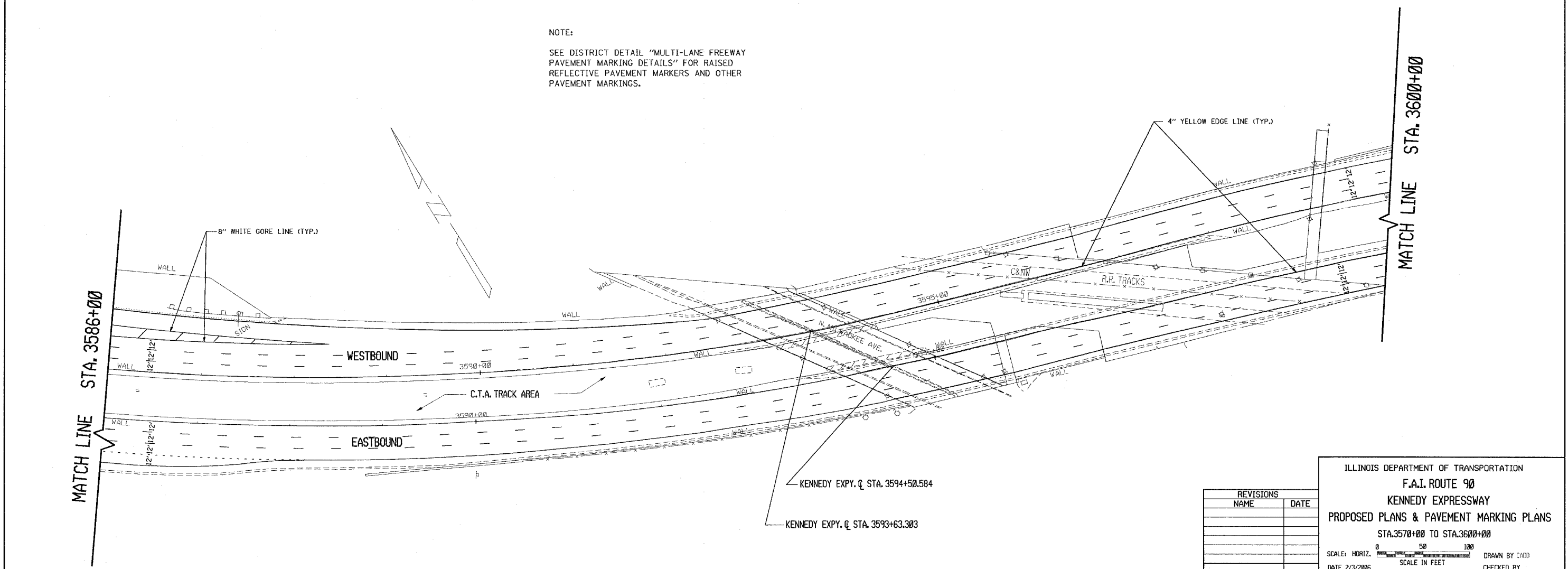
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | | COOK | 81 | 36 |
| STA. 3570+00 | | TO STA. 3600+00 | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |



MATCH LINE STA. 3570+00

MATCH LINE STA. 3586+00

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



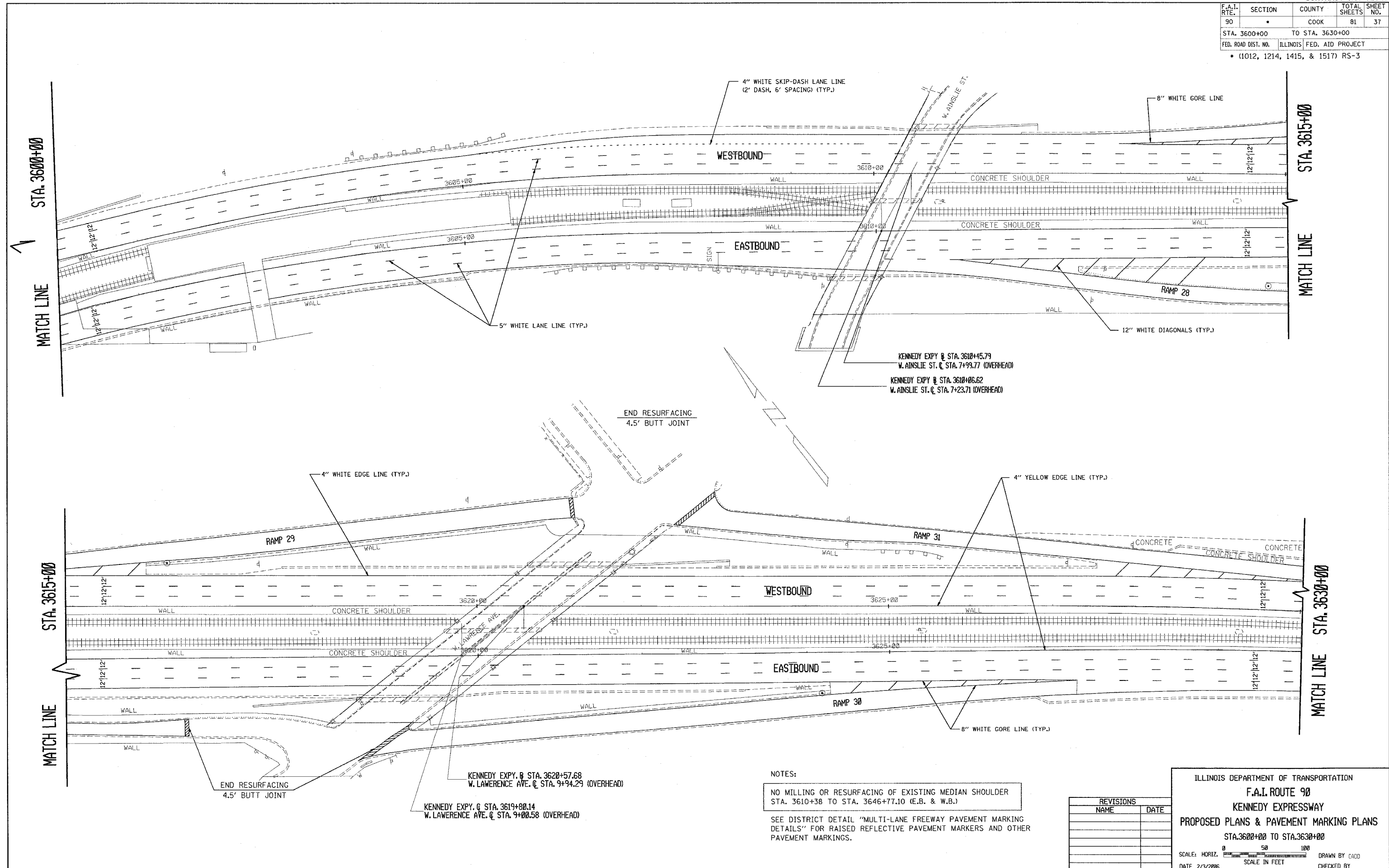
MATCH LINE STA. 3586+00

MATCH LINE STA. 3600+00

| REVISIONS | |
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| NAME | DATE |
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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. SCALE IN FEET
 DATE 2/3/2006 DRAWN BY CAD0 CHECKED BY

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | | COOK | 81 | 37 |
| STA. 3600+00 TO STA. 3630+00 | | ILLINOIS FED. AID PROJECT | | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |



END RESURFACING
4.5' BUTT JOINT

END RESURFACING
4.5' BUTT JOINT

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

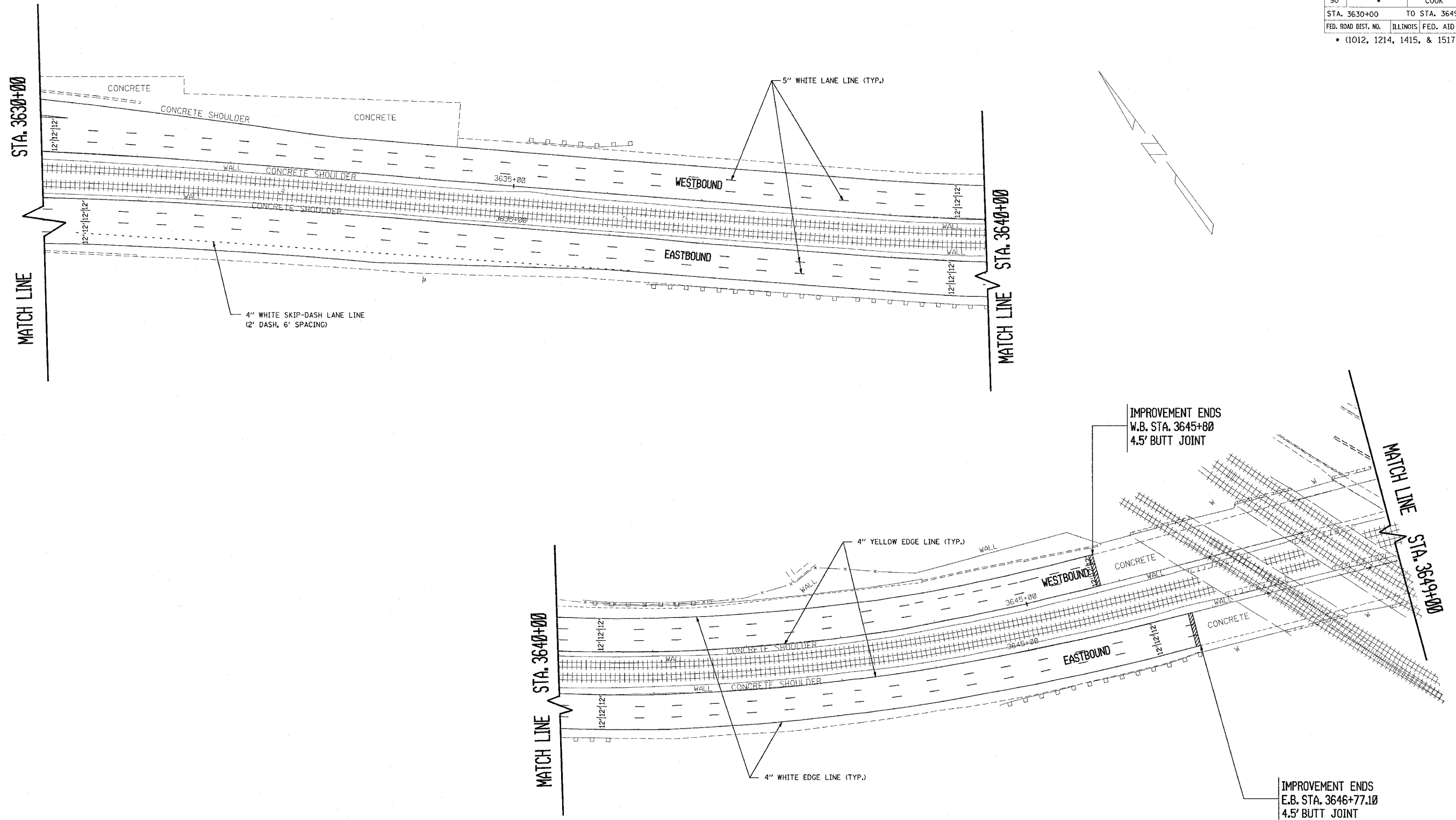
SEE DISTRICT DETAIL "MULTI-LANE FREEWAY PAVEMENT MARKING
DETAILS" FOR RAISED REFLECTIVE PAVEMENT MARKERS AND OTHER
PAVEMENT MARKINGS.

| REVISIONS | |
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| NAME | DATE |
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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. SCALE IN FEET
 DATE 2/3/2006 DRAWN BY CAD CHECKED BY

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | | COOK | 81 | 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.

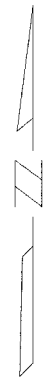
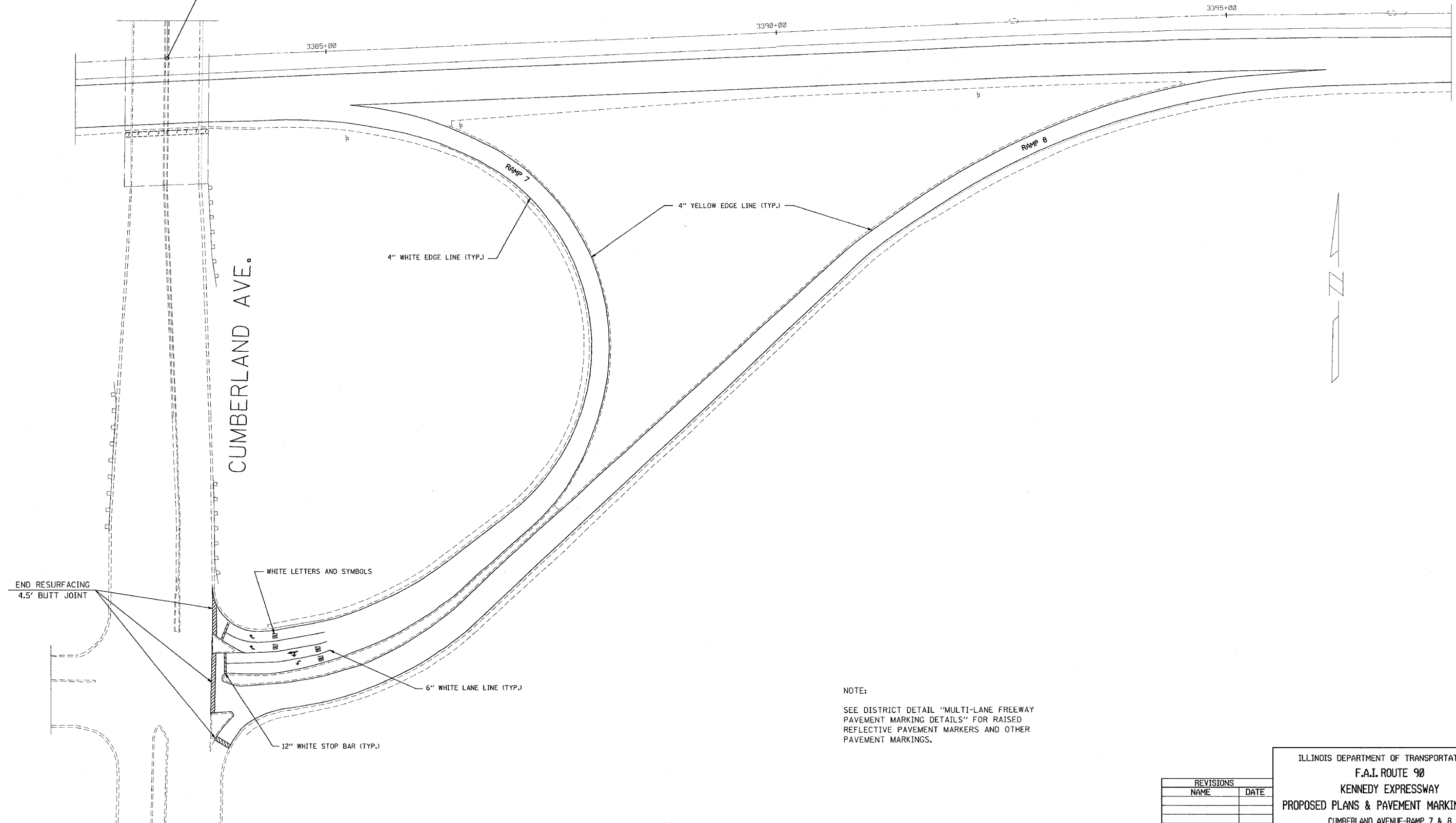
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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
PROPOSED PLANS & PAVEMENT MARKING PLANS
STA. 3630+00 TO STA. 3649+00

SCALE: HORIZ. SCALE IN FEET
 DATE ##DATE## DRAWN BY CAD0 CHECKED BY

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|---------|---------------------------|--------------|-----------|
| 90 | | COOK | 81 | 39 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

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



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

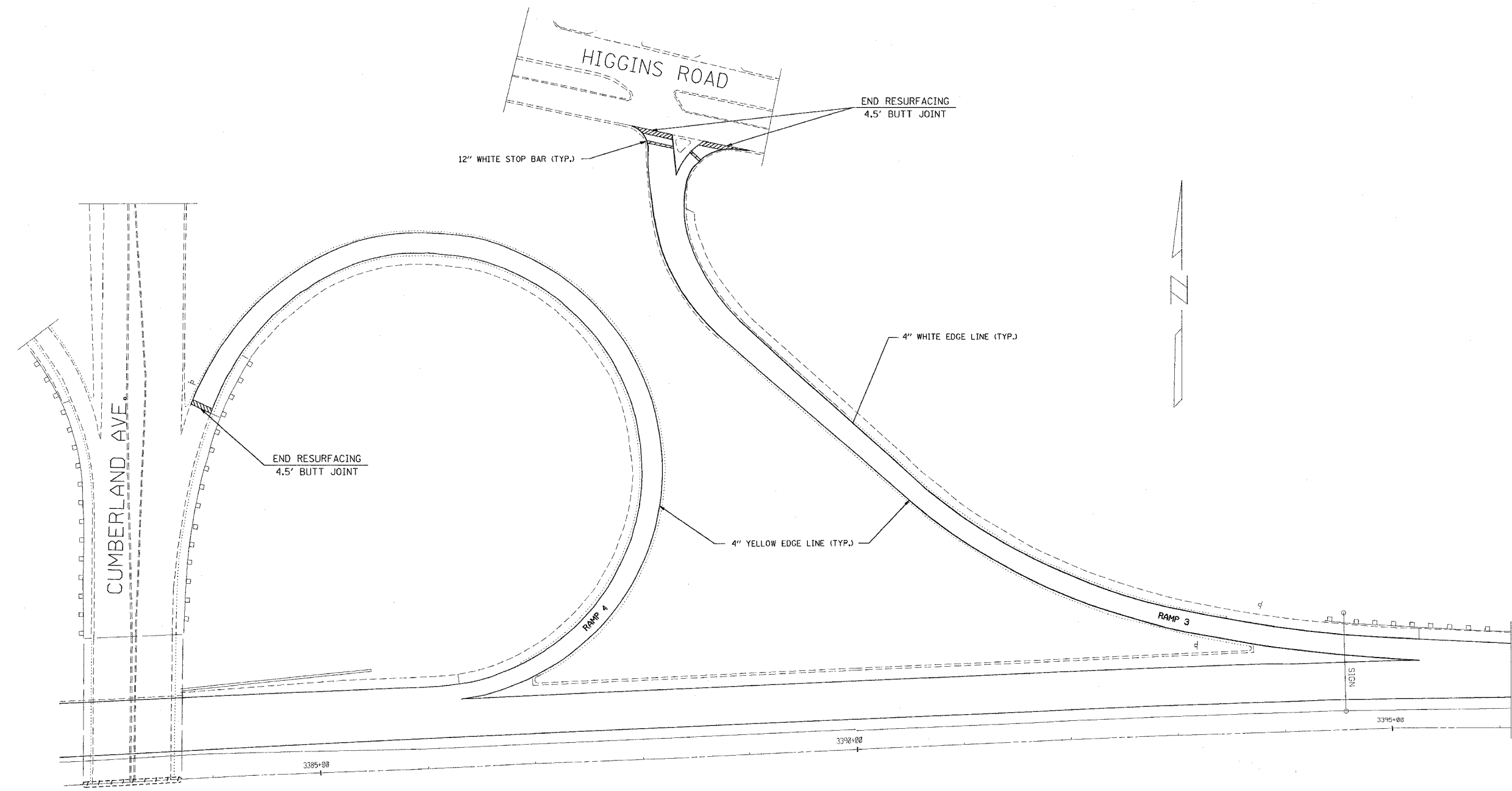
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ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 90
 KENNEDY EXPRESSWAY
 PROPOSED PLANS & PAVEMENT MARKING PLANS
 CUMBERLAND AVENUE-RAMP 7 & 8

SCALE: HORIZ. SCALE IN FEET

DATE ##DATE## DRAWN BY _____ CHECKED BY _____

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|-----------------------------------|----------|------------------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 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.

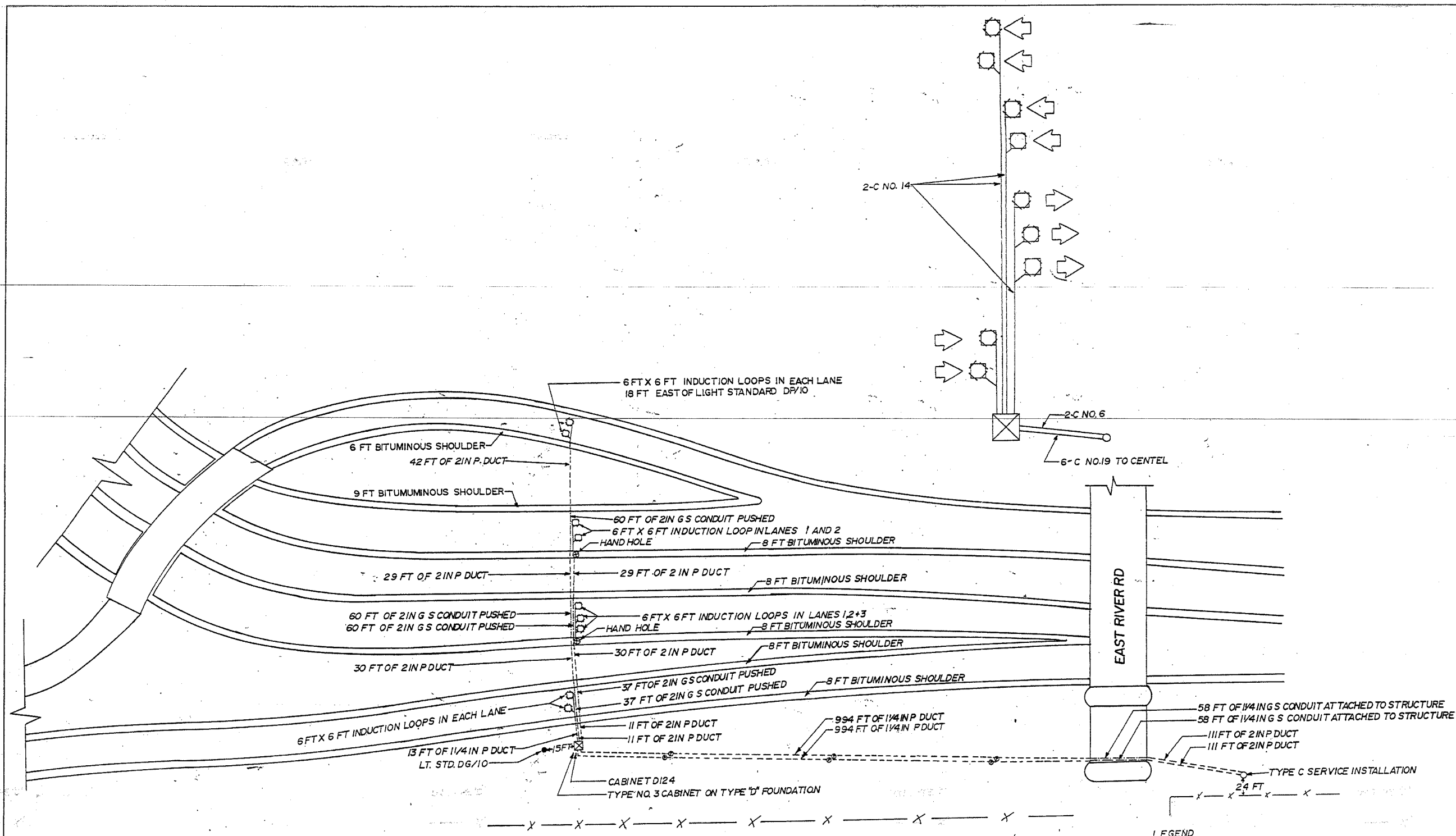
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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
PROPOSED PLANS & PAVEMENT MARKING PLANS
RAMP 3 & 4

SCALE: HORIZ. SCALE IN FEET
 DATE ##DATE## DRAWN BY _____ CHECKED BY _____

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|---------------------------------|---------|------------------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | | COOK | 81 | 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 | |
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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

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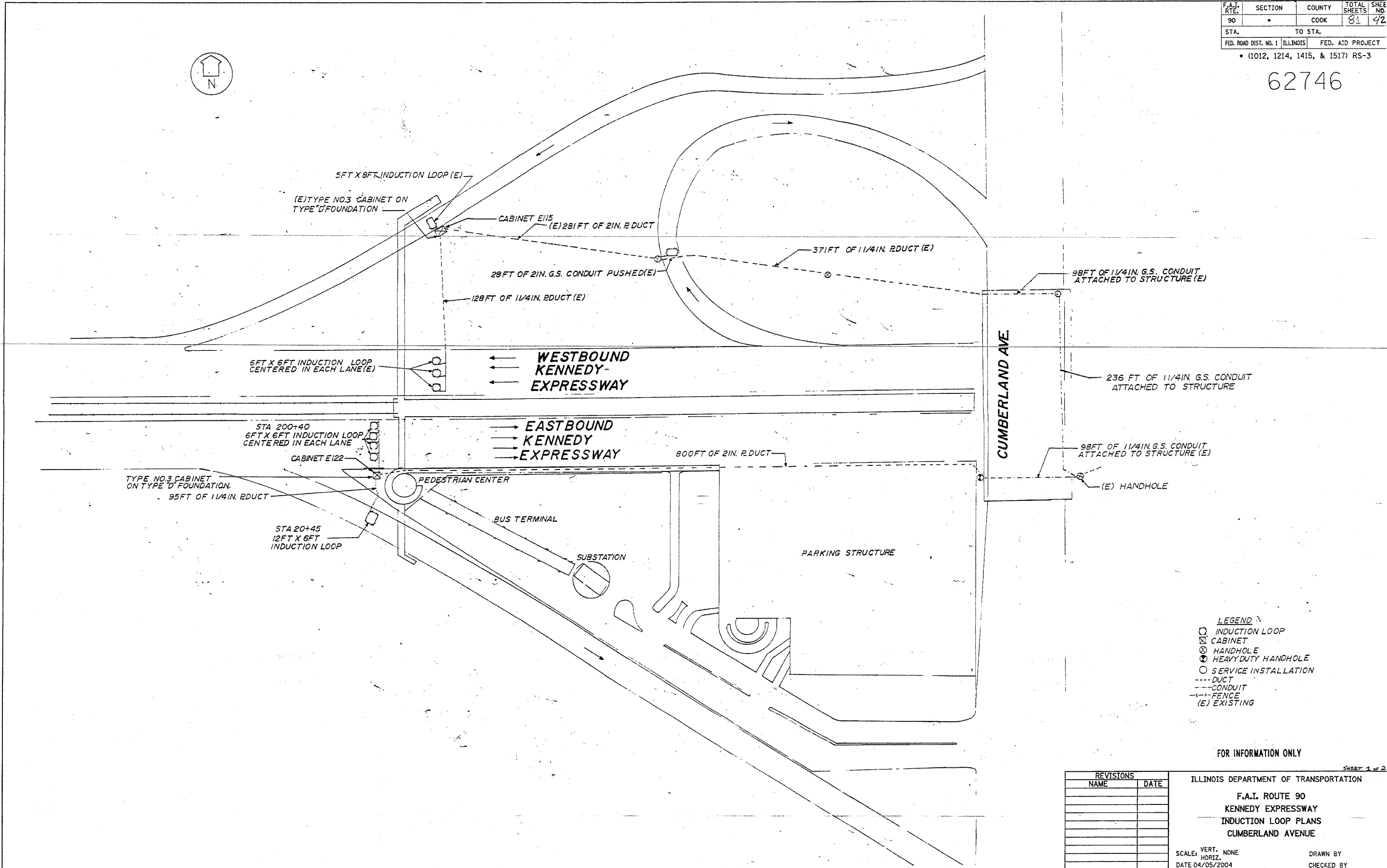
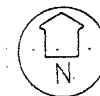
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| F.A.I. ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | | COOK | 81 | 42 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

• (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

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

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

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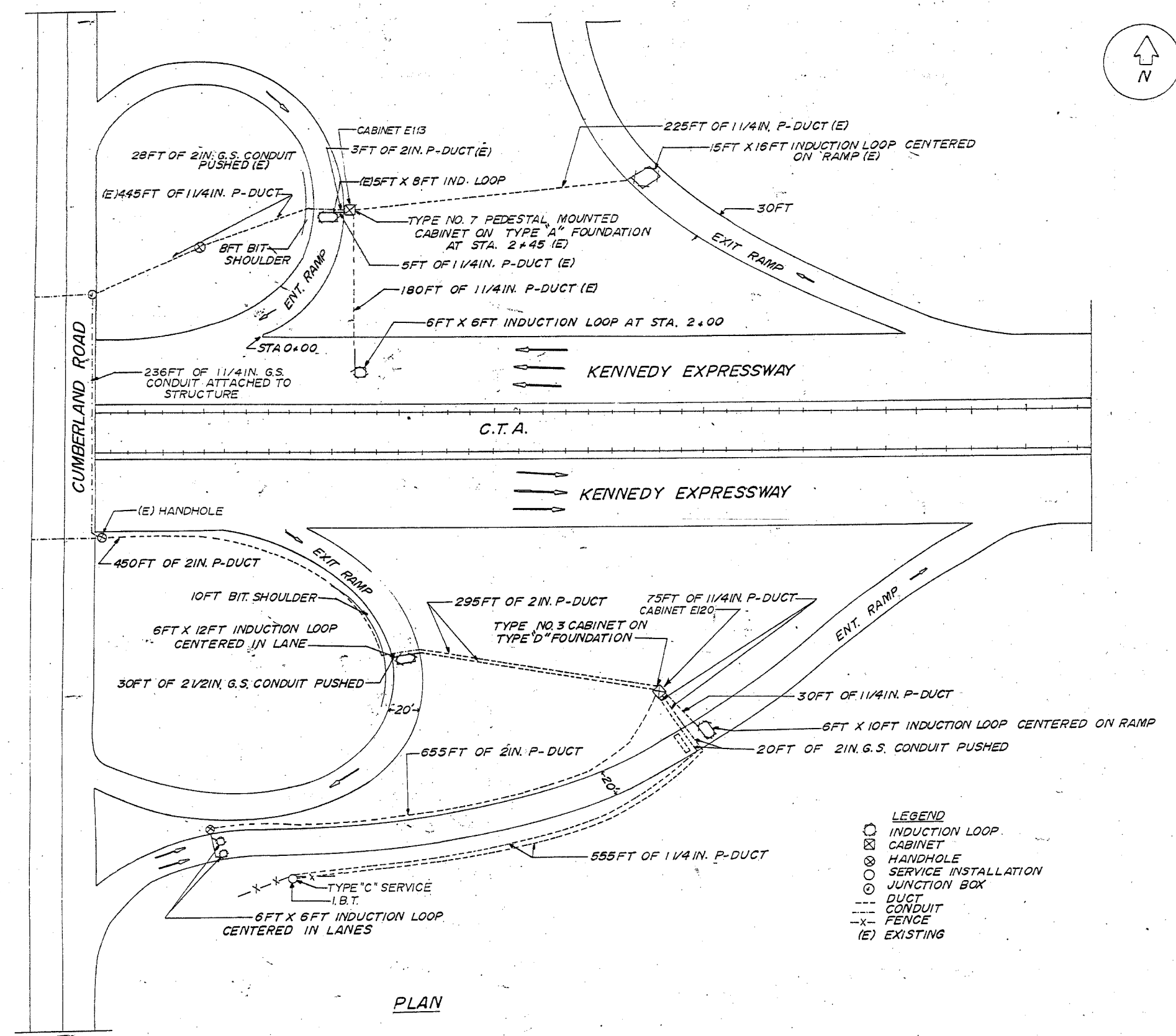
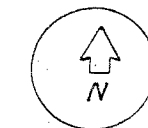
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| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | | COOK | 81 | 43 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

62746



PLAN

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

FOR INFORMATION ONLY

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

SCALE: VERT. NONE
 DATE 04/05/2004
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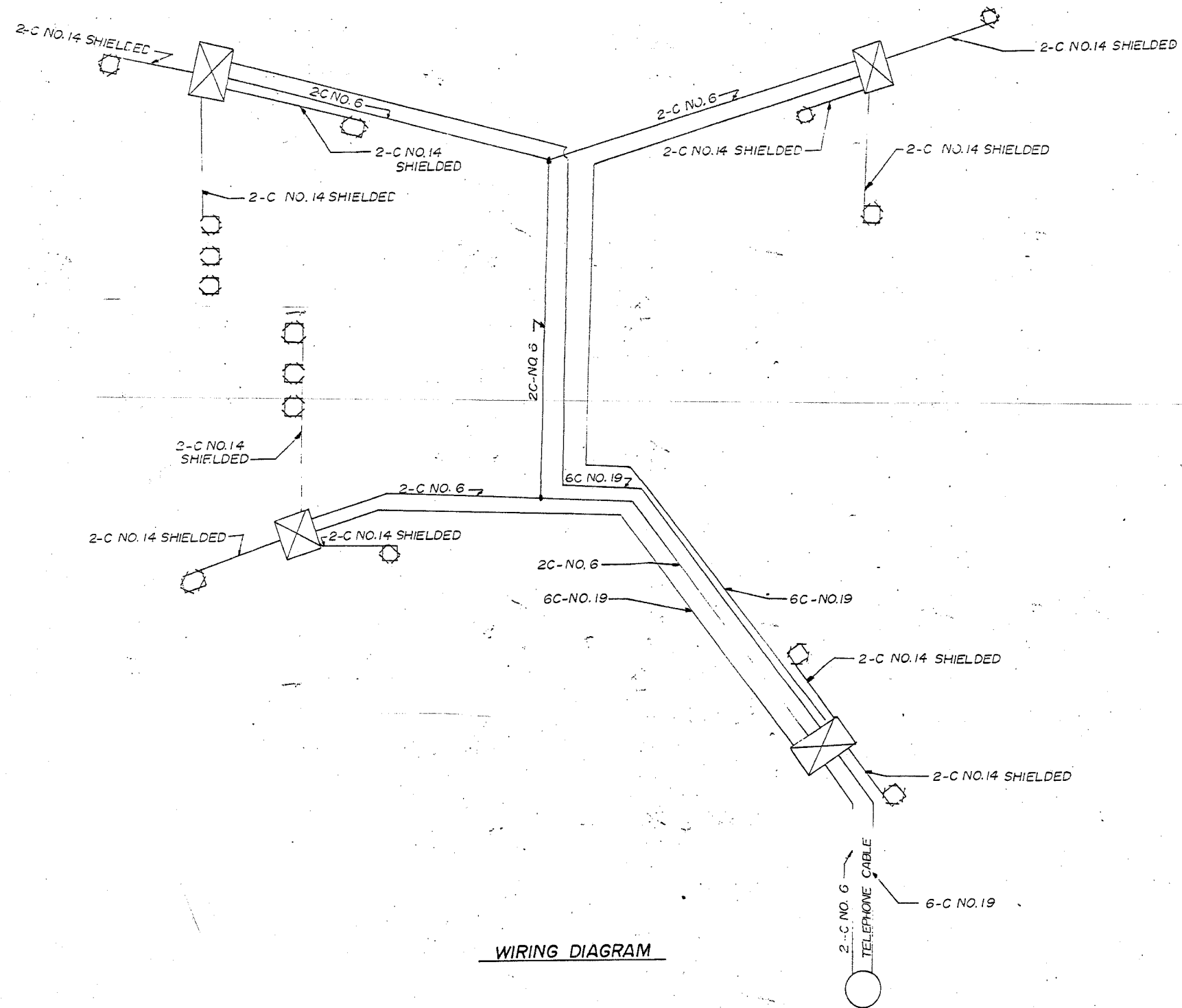
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SHEET 2 of 2

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| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | | COOK | 81 | 44 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

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WIRING DIAGRAM

FOR INFORMATION ONLY

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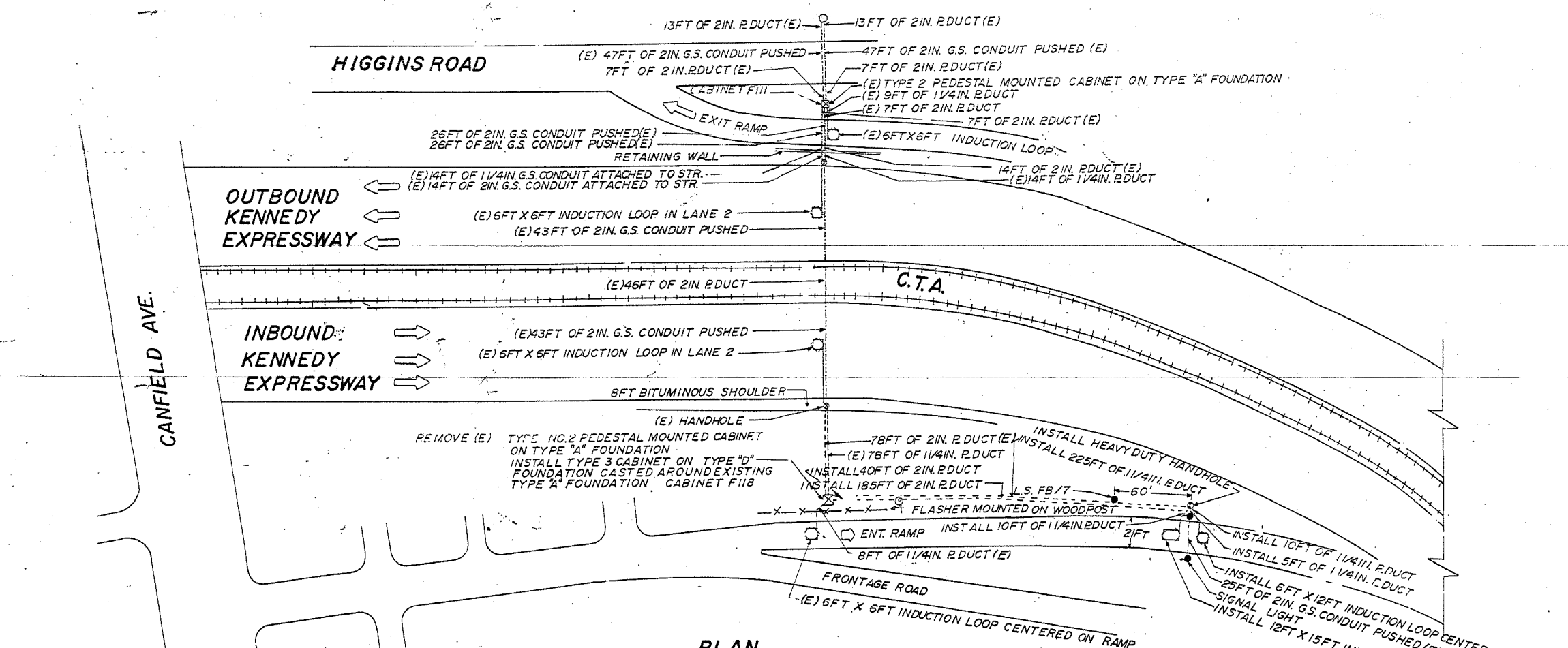
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
INDUCTION LOOP PLANS
CUMBERLAND AVENUE

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

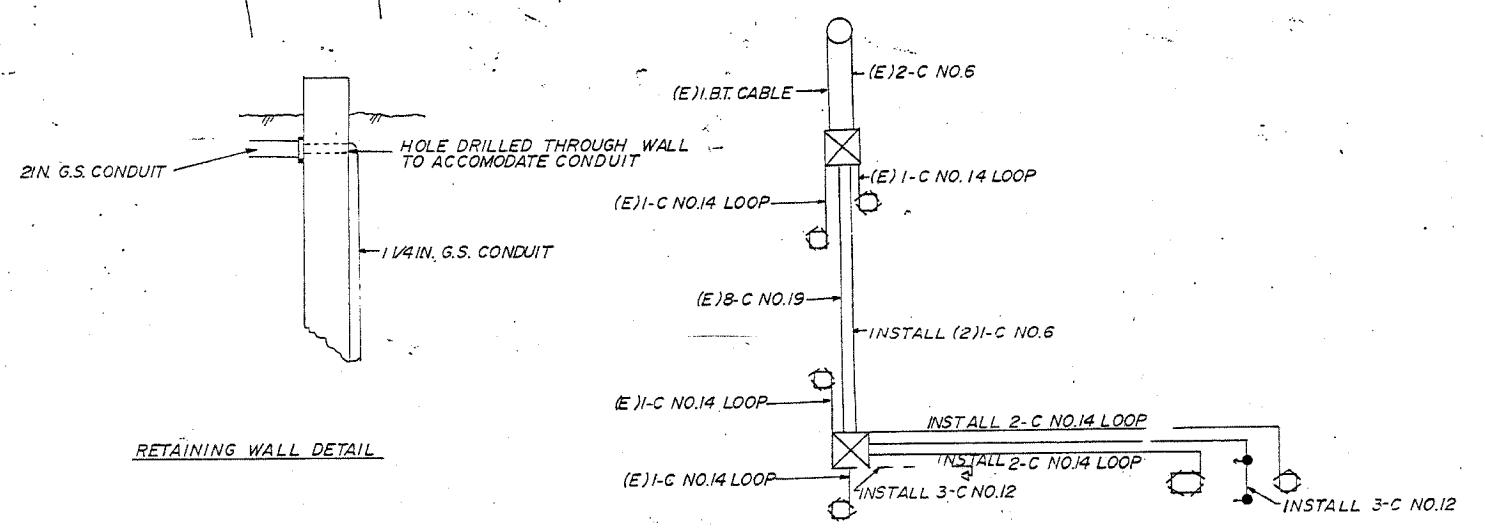
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| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | | COOK | 81 | 45 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

62746



PLAN



WIRING DIAGRAM

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

FOR INFORMATION ONLY

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ILLINOIS DEPARTMENT OF TRANSPORTATION

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

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

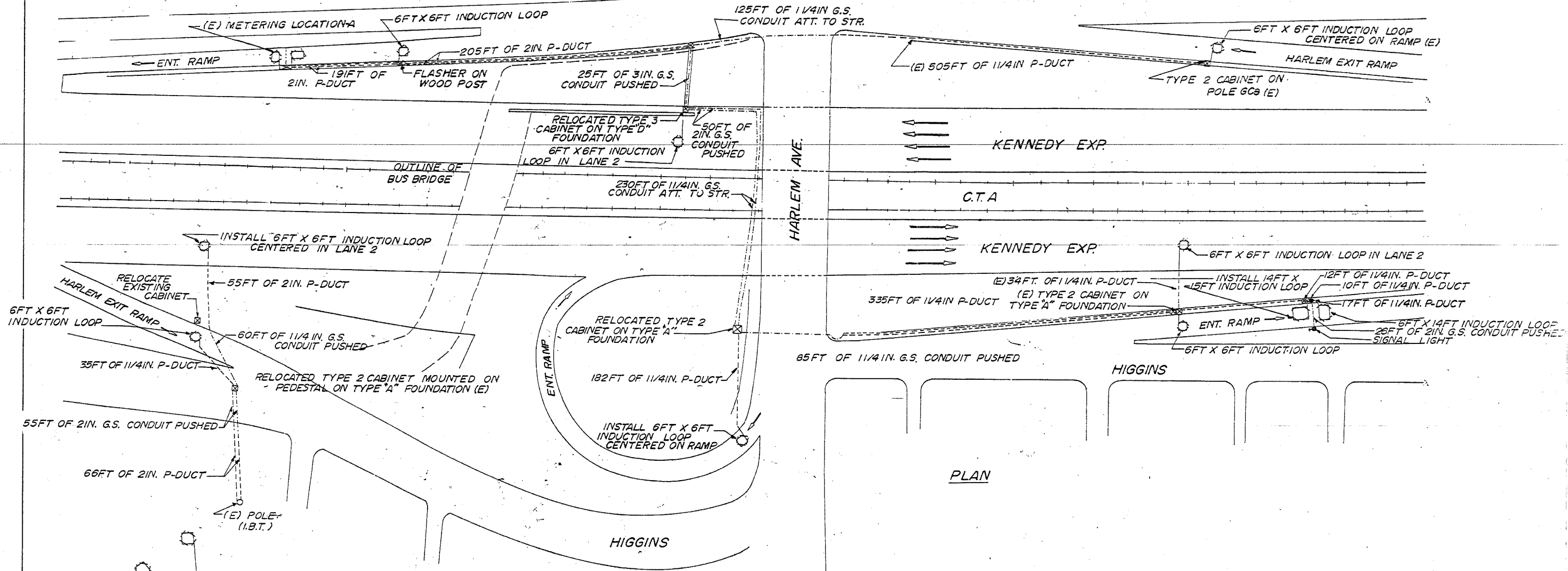
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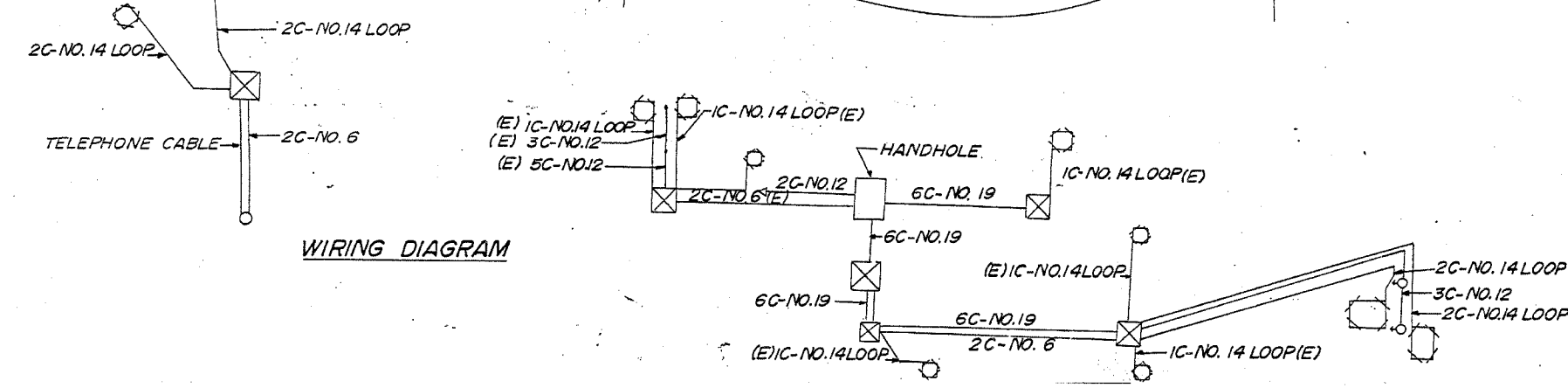
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| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | | COOK | 81 | 46 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

62746



PLAN



WIRING DIAGRAM

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

FOR INFORMATION ONLY

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

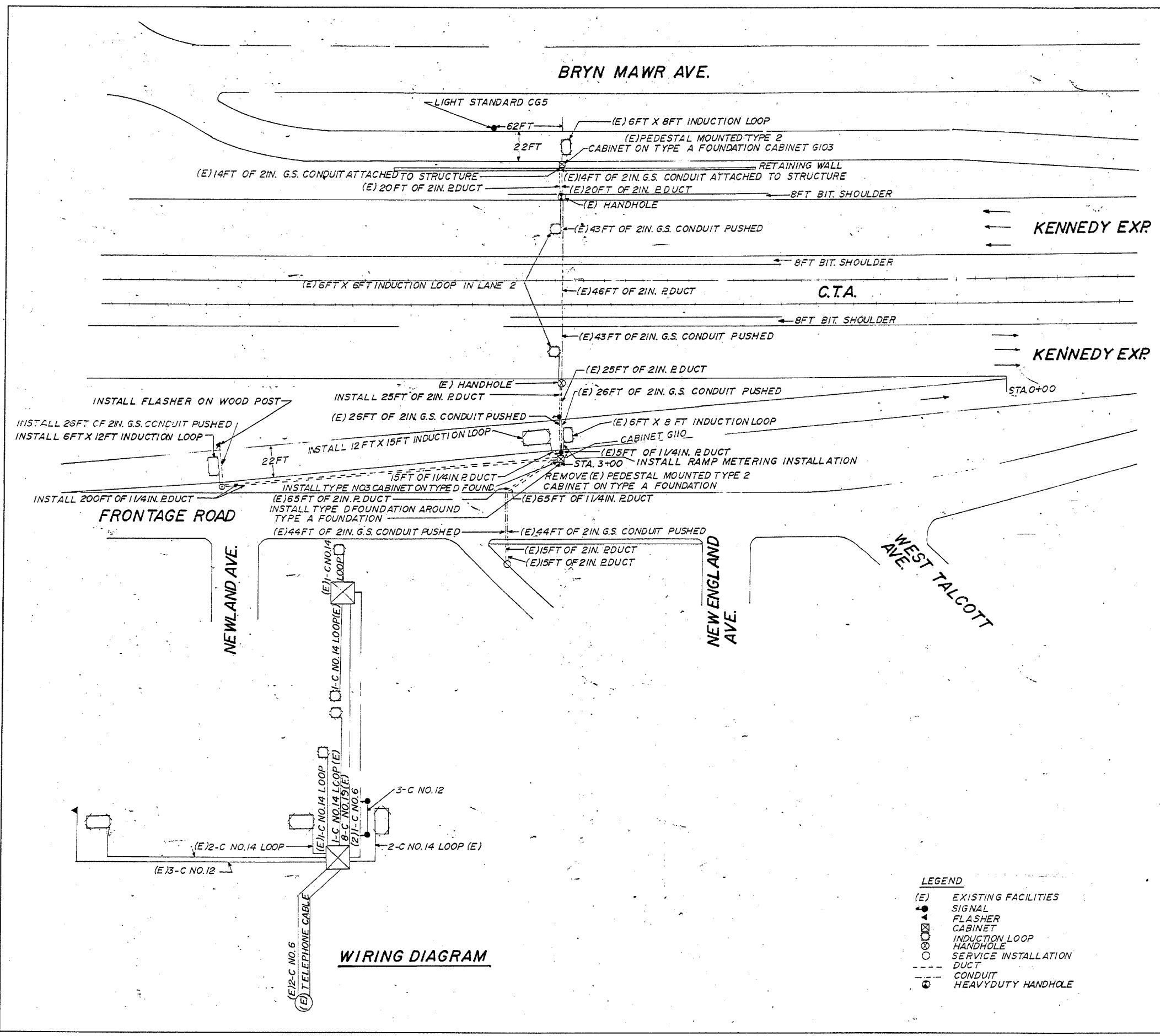
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| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | | COOK | 21 | 47 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

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WIRING DIAGRAM

LEGEND

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| (E) | EXISTING FACILITIES |
| ● | SIGNAL |
| ▲ | FLASHER |
| □ | CABINET |
| ○ | INDUCTION LOOP |
| ○ | HANDHOLE |
| ○ | SERVICE INSTALLATION |
| --- | DUCT |
| --- | CONDUIT |
| ○ | HEAVY DUTY HANDHOLE |

FOR INFORMATION ONLY

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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 90

KENNEDY EXPRESSWAY

INDUCTION LOOP PLANS

SAYRE AVENUE

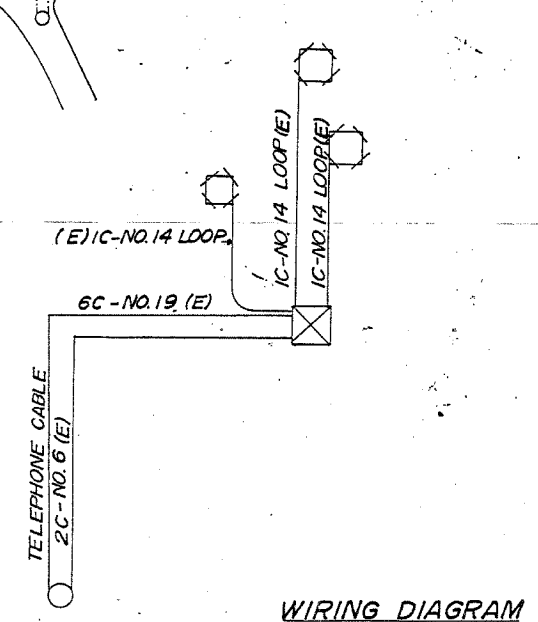
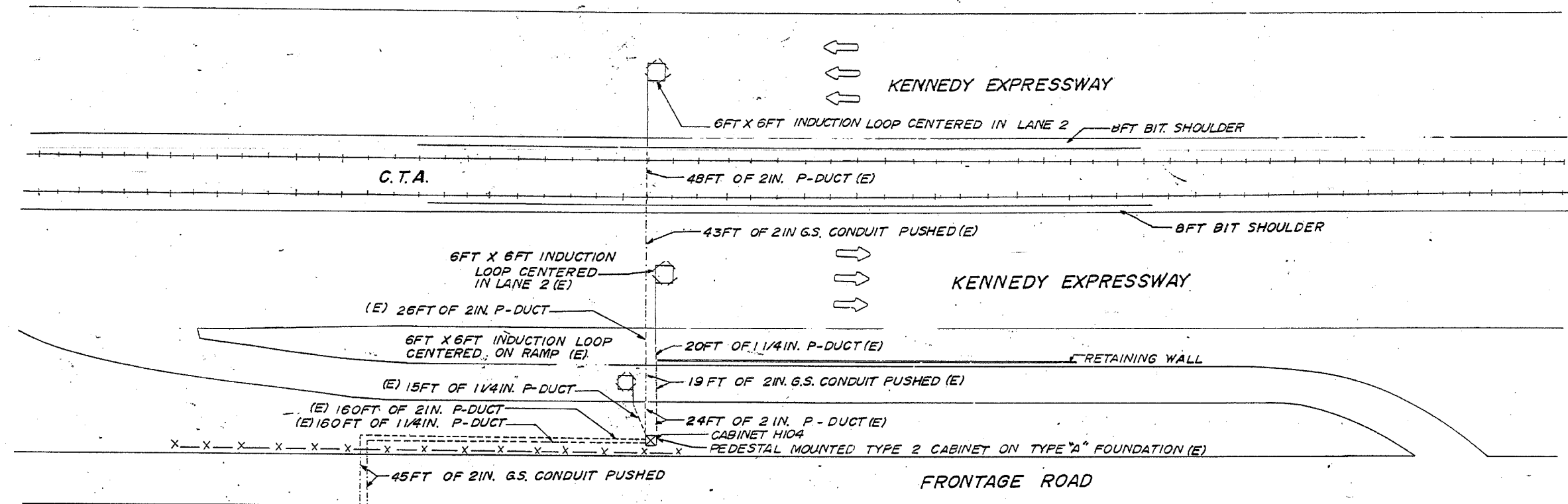
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| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 49 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT | |
| * (1012, 1214, 1415, & 1517) RS-3 | | | | |

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WIRING DIAGRAM

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

FOR INFORMATION ONLY

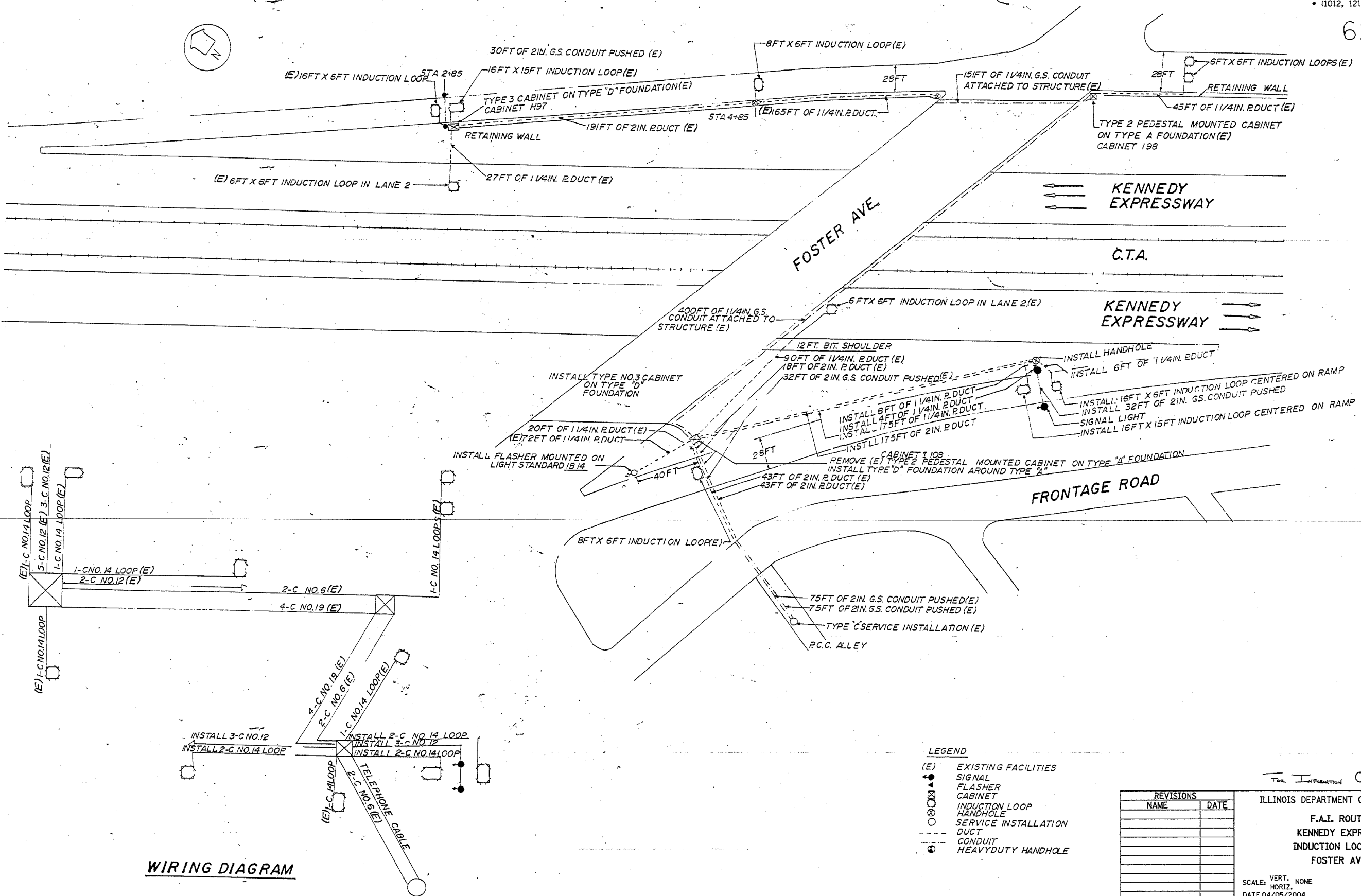
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ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 90
 KENNEDY EXPRESSWAY
 INDUCTION LOOP PLANS
 MEADE AVENUE

SCALE: VERT. NONE
 DATE 04/05/2004
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|-----------------------------------|---------|--------|--------------------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | | COOK | 81 | 50 |
| STA. | TO STA. | | FED. ROAD DIST. NO. 1 ILLINOIS | |
| | | | FED. AID PROJECT | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

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WIRING DIAGRAM

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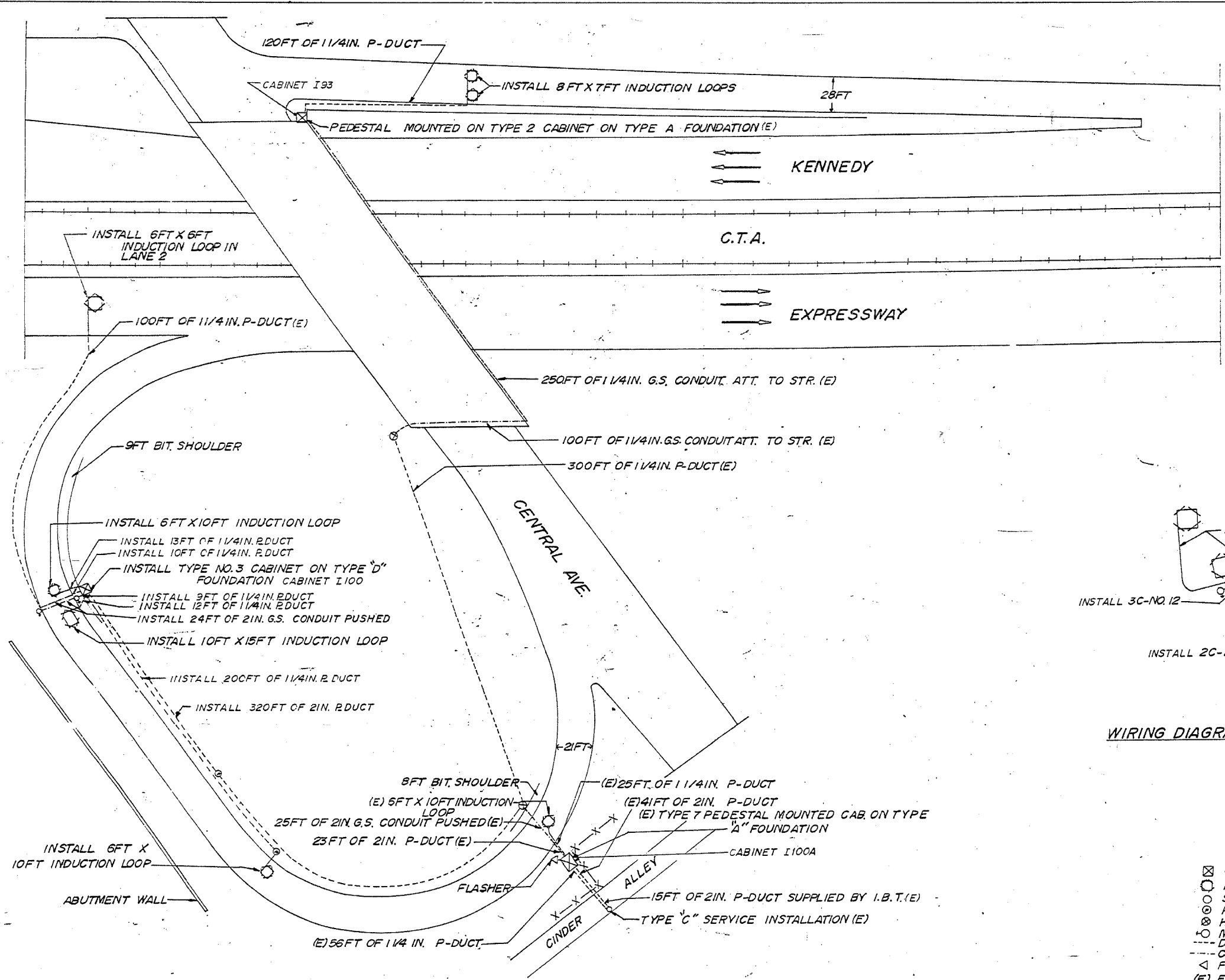
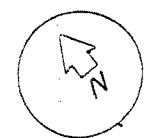
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 90
 KENNEDY EXPRESSWAY
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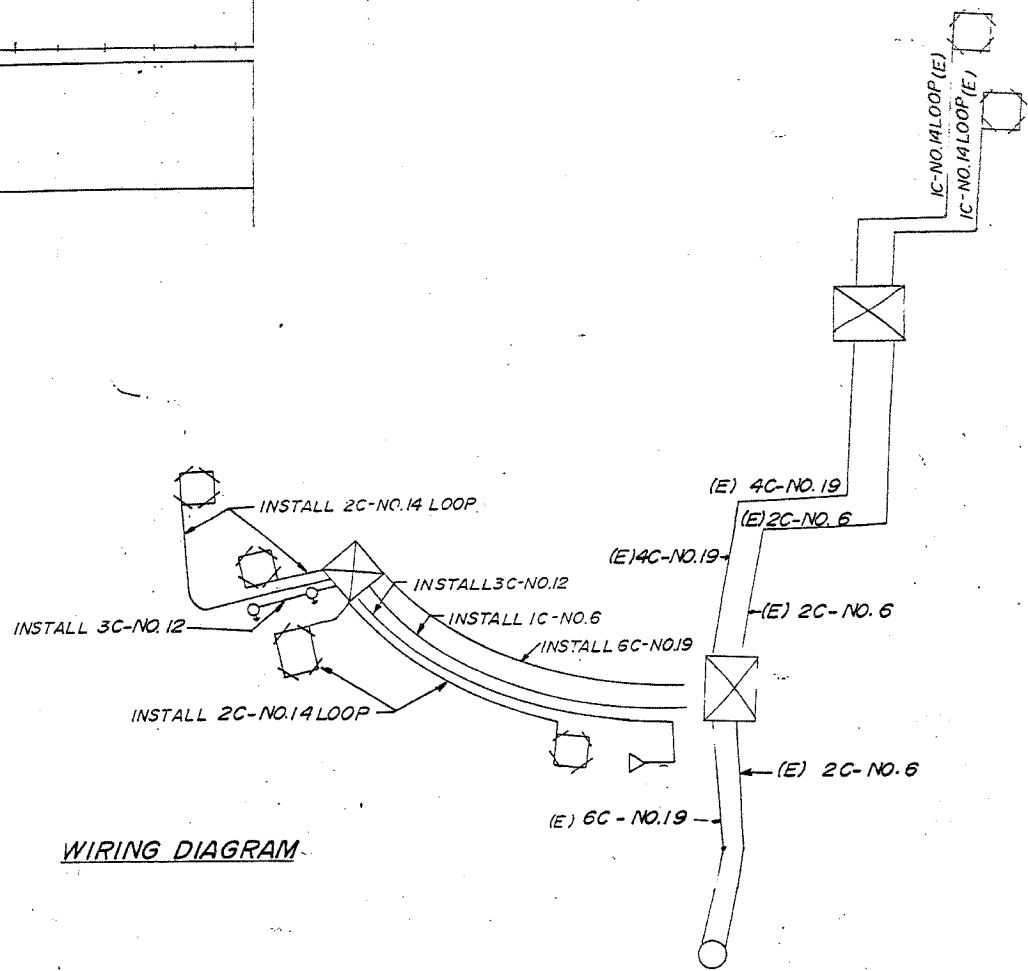
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| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO |
| 90 | | COOK | 81 | 51 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |
| (1012, 1214, 1415, & 1517) RS-3 | | | | |

62746



PLAN



WIRING DIAGRAM

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

FOR INFORMATION ONLY

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

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

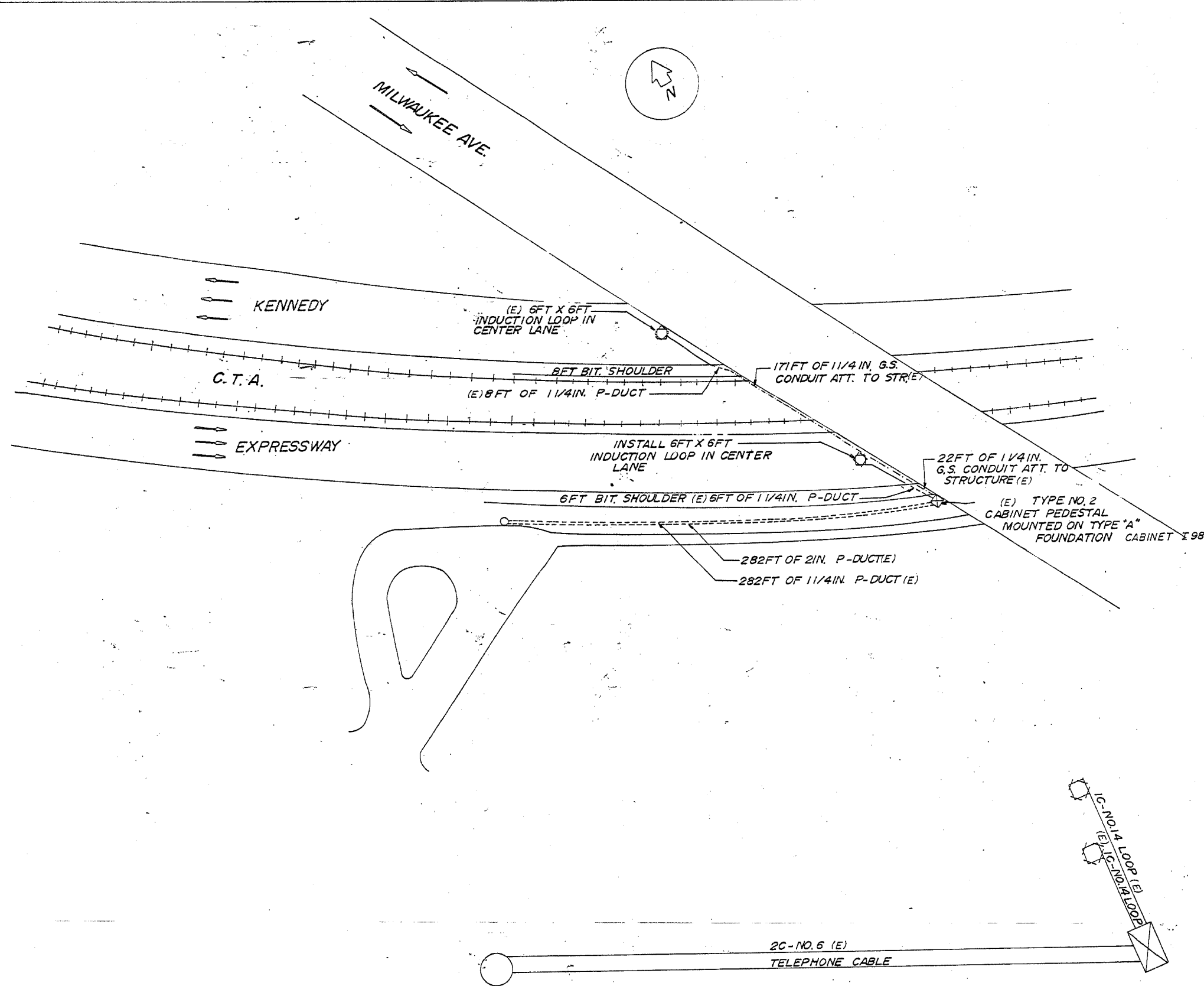
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| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 52 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. 1 ILLINOIS | | FED. AID PROJECT | | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

62746



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

FOR INFORMATION ONLY

WIRING DIAGRAM

| REVISIONS | | ILLINOIS DEPARTMENT OF TRANSPORTATION |
|-----------|------|---|
| NAME | DATE | |
| | | F.A.I. ROUTE 90 KENNEDY EXPRESSWAY INDUCTION LOOP PLANS MILWAUKEE AVENUE |
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SCALE: VERT. NONE
HORIZ. DATE 04/06/2004

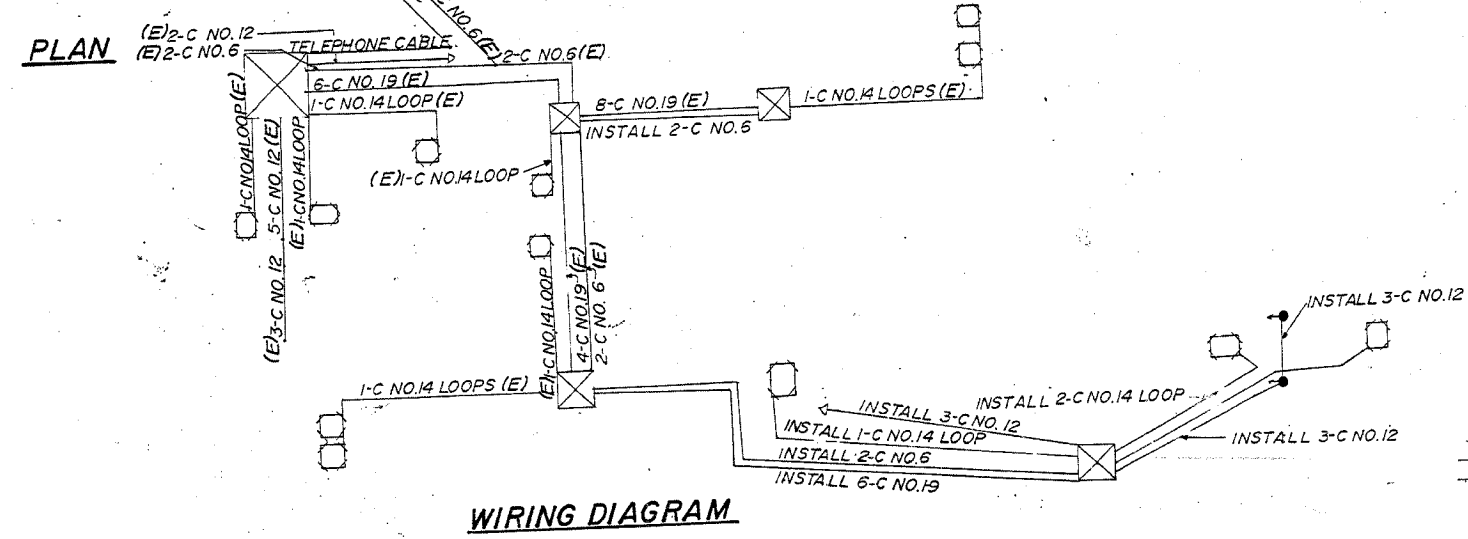
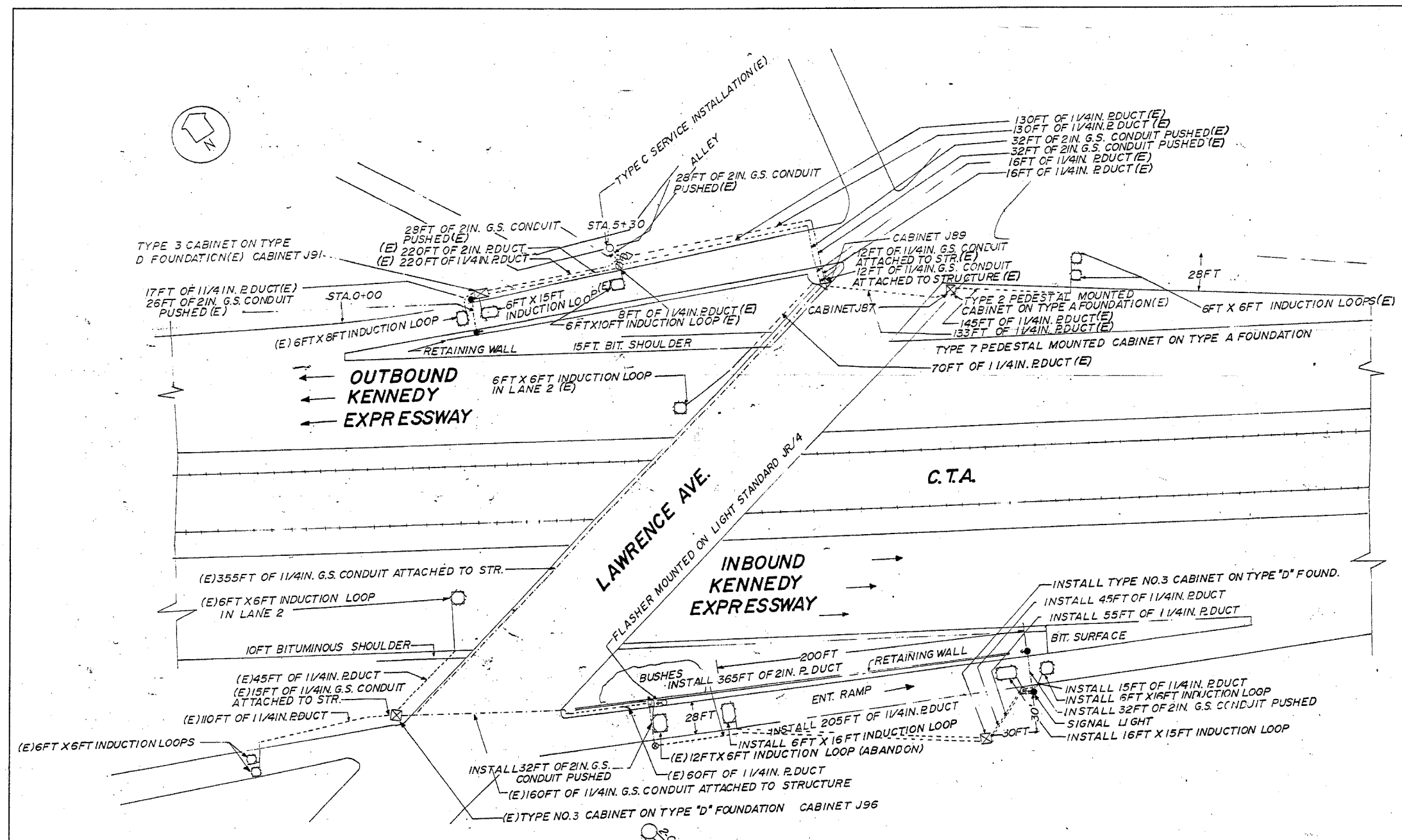
DRAWN BY
CHECKED BY

14:38:58 04/06/2004

04/06/2004
c:\p\project\120804\120804.dwg

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|-----------------------------------|---------|--------|--------------------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | | COOK | 31 | 53 |
| STA. | TO STA. | | FED. ROAD DIST. NO. 1 ILLINOIS | |
| | | | FED. AID PROJECT | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

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
 - - - FENCE
 - - - GUARD RAIL

| REVISIONS | |
|-----------|------|
| NAME | DATE |
| | |
| | |
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ILLINOIS DEPARTMENT OF TRANSPORTATION

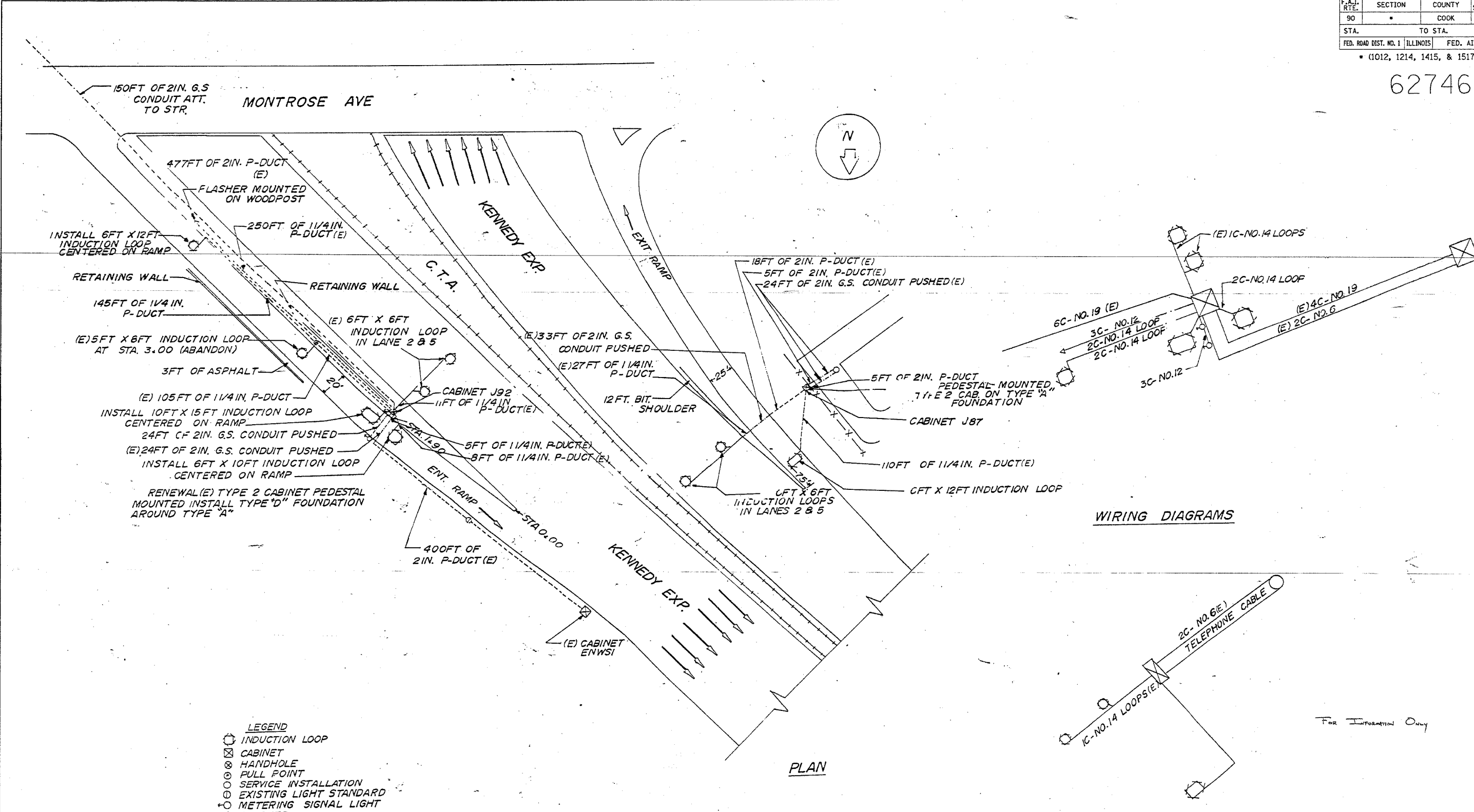
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
INDUCTION LOOP PLANS
LAWRENCE AVENUE

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

DRAWN BY
CHECKED BY

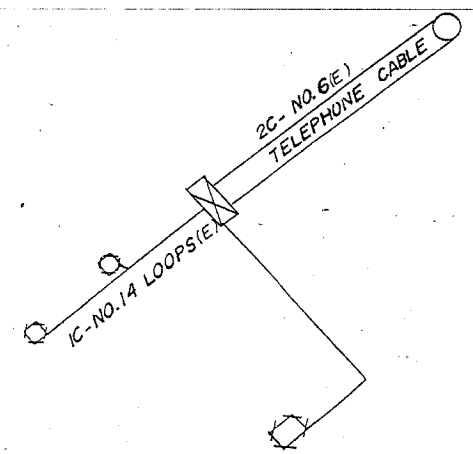
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|-----------------------------------|----------|------------------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | | COOK | 81 | 55 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

62746



PLAN

WIRING DIAGRAMS



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

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

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

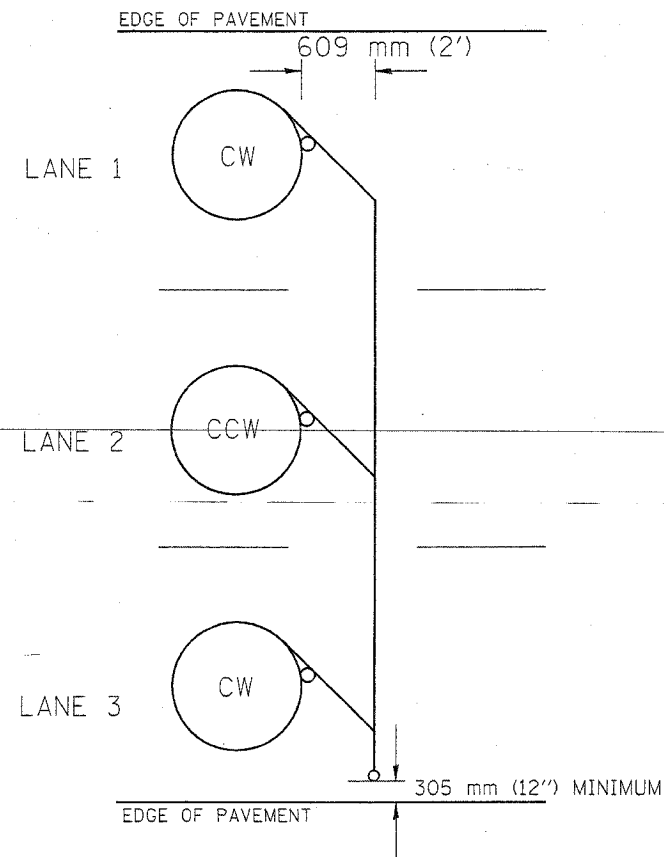
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 CHECKED BY

04/05/2004 04/05/2004

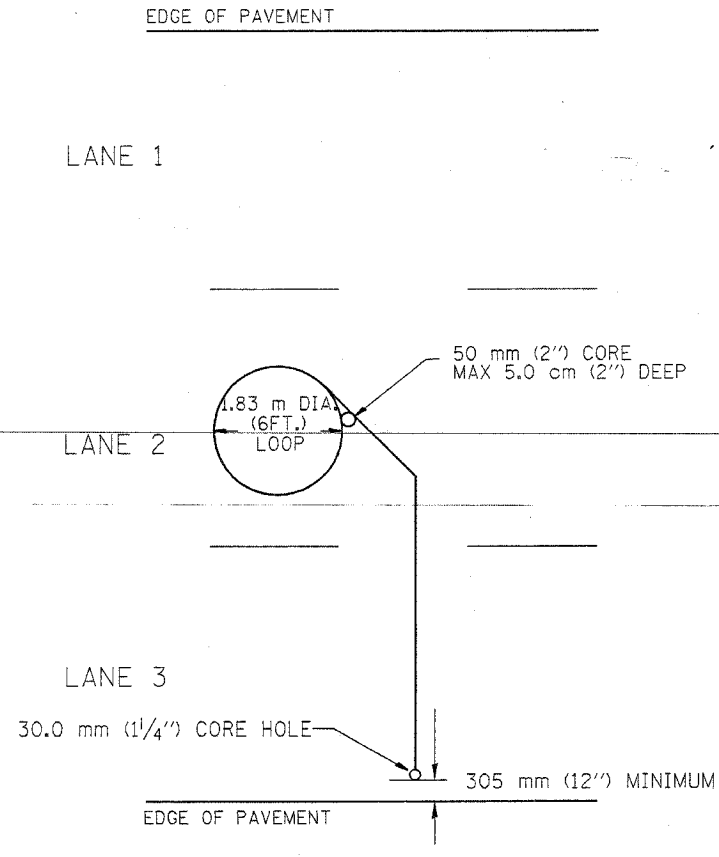
04/05/2004
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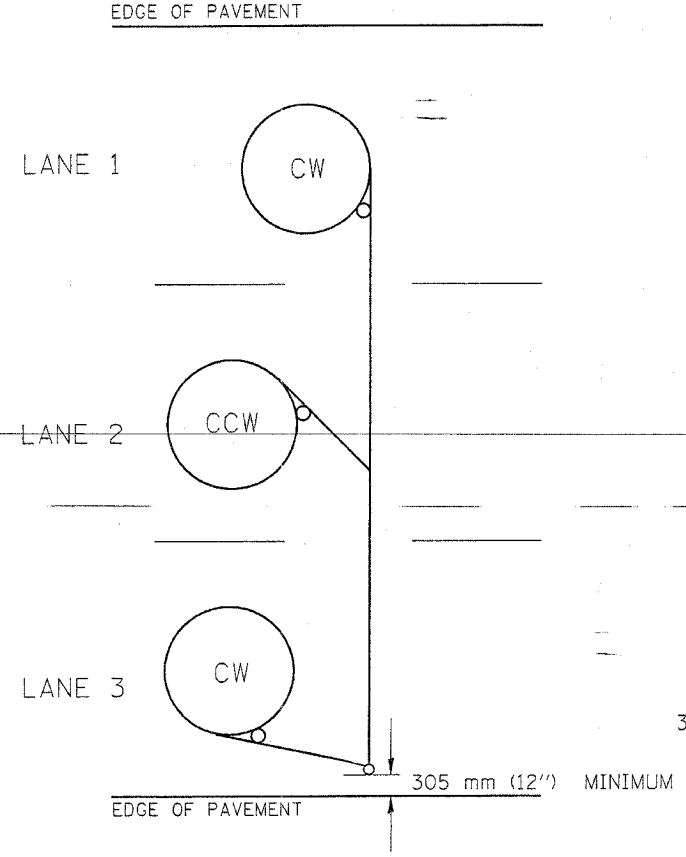
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|-----------------------------------|---------|---------------------------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 56 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| * (1012, 1214, 1415, & 1517) R5-3 | | | | |



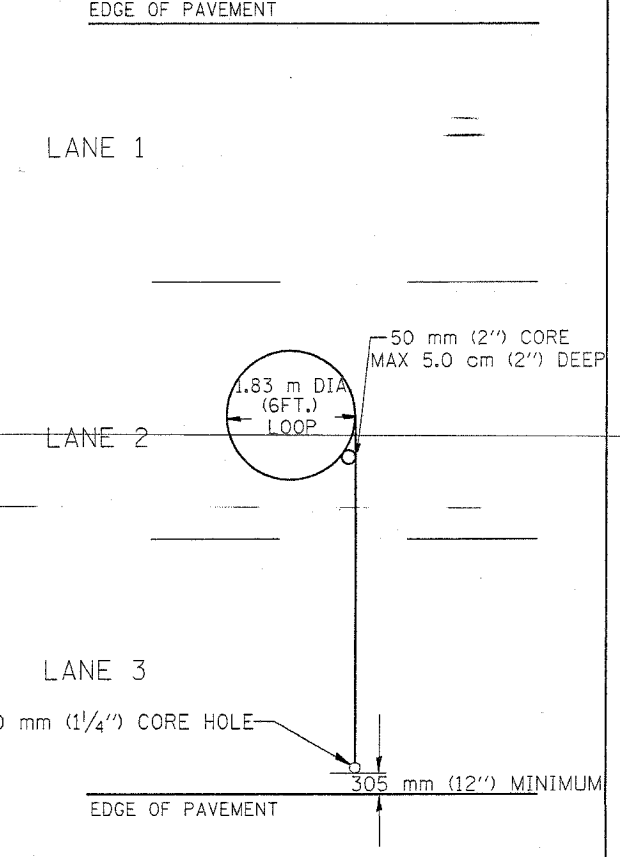
TYPICAL 1.83 m (6FT.) DIA. INDUCTION LOOP CORE DRILL
LAYOUT FOR MULTIPLE LANE ROADWAY



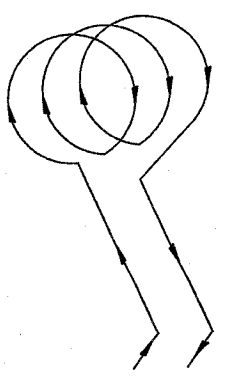
TYPICAL 1.83 m (6') DIA. INDUCTION LOOP
LAYOUT FOR LANE 2



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 |
| | |
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| | |

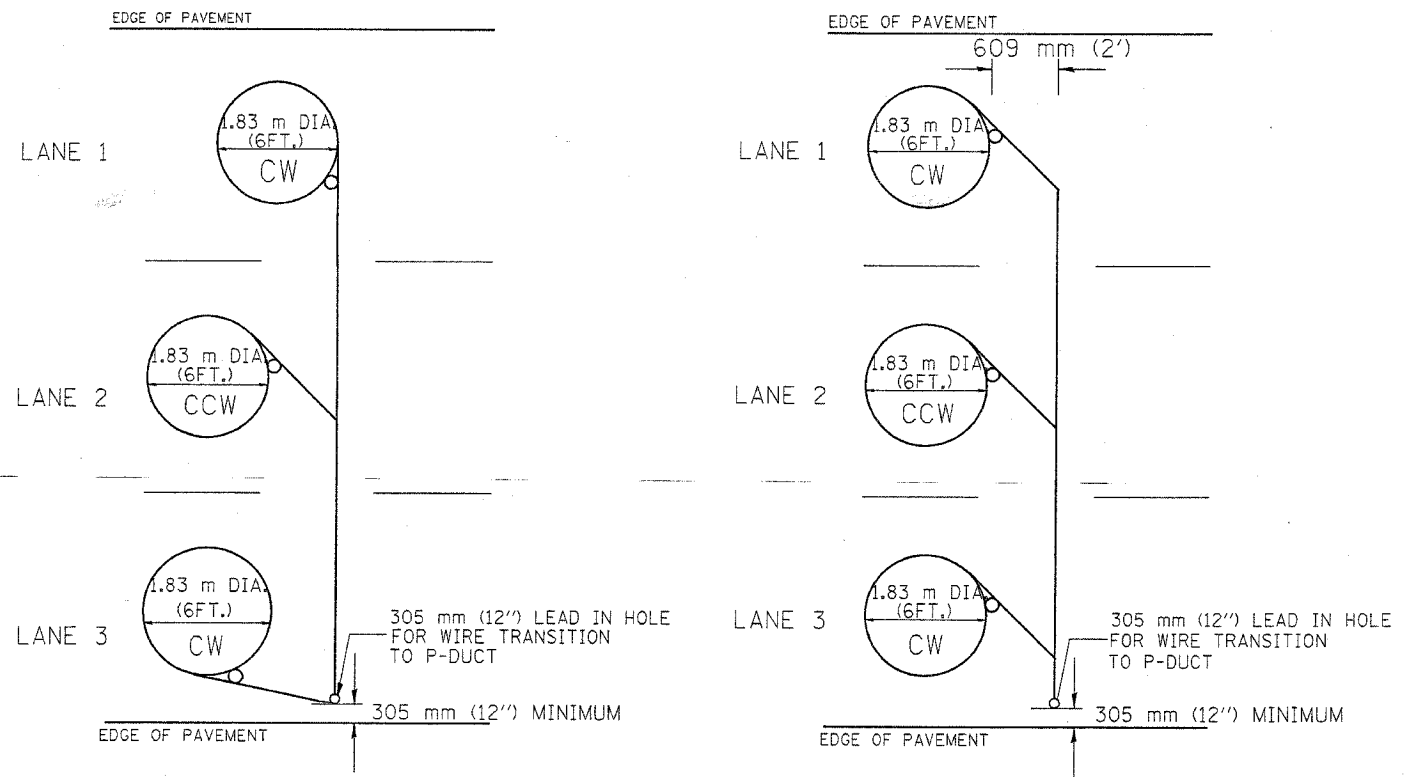
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER
**EXISTING ROUND LOOP
INSTALLATION**

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

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

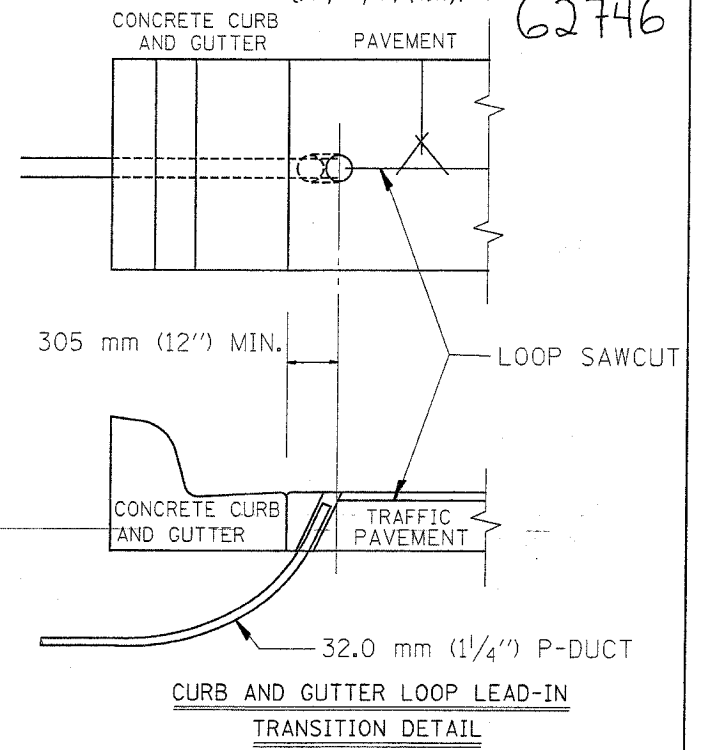
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|----------------------------------|---------|---------------------------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 57 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| *(1012, 1214, 1415, & 1517) RS-3 | | | | |

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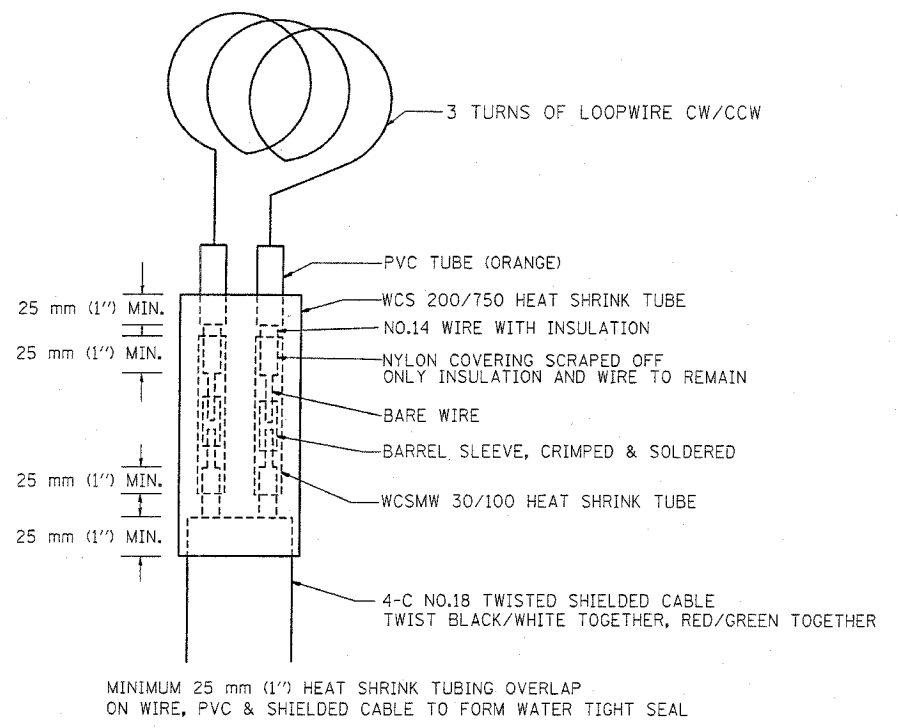


TYPICAL 1.83 m (6FT.) DIA. INDUCTION LOOP CORE DRILL LAYOUT FOR MULTIPLE LANE ROADWAY

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



CURB AND GUTTER LOOP LEAD-IN TRANSITION DETAIL



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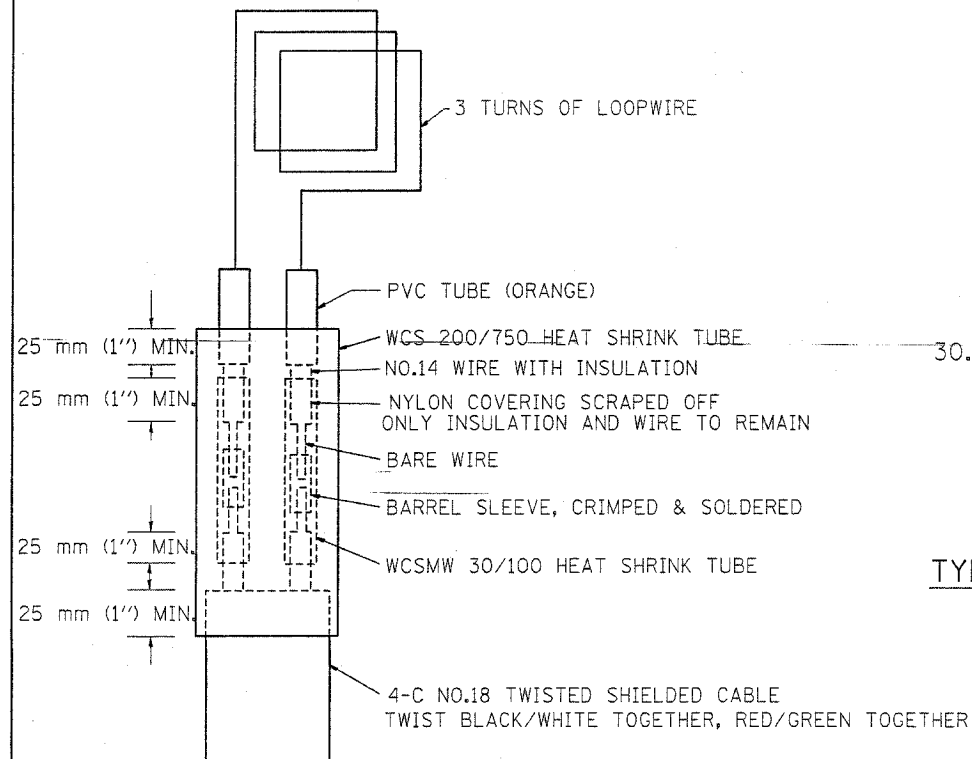
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER
**EXISTING
ROUND INDUCTION LOOP
TYPICALS**
SCALE: VERT. NONE
HORIZ. NONE
DATE 6-22-94
DRAWN BY G.M.
CHECKED BY R.L.

RD= TYPMET.DGN
RF=

VI-4182

62746

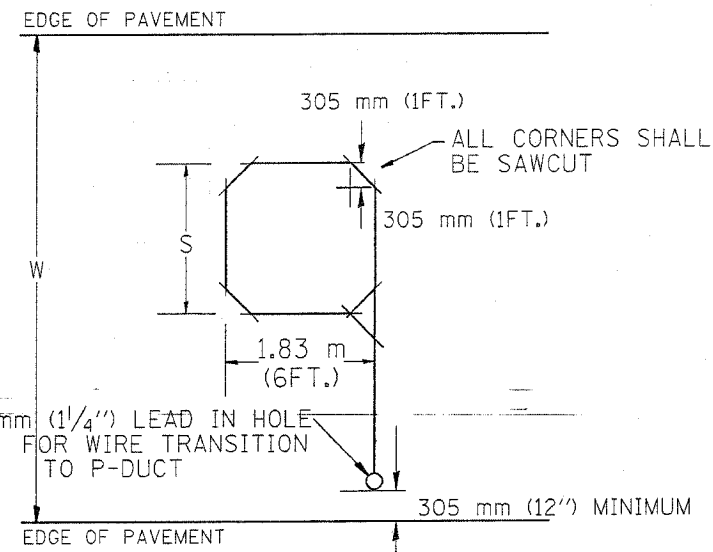
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|-----------------------------------|---------|---------------------------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 58 |
| STA. _____ | | TO STA. _____ | | |
| FED. ROAD DIST. NO. _____ | | ILLINOIS FED. AID PROJECT | | |
| * (1012, 1214, 1415, & 1517) R5-3 | | | | |



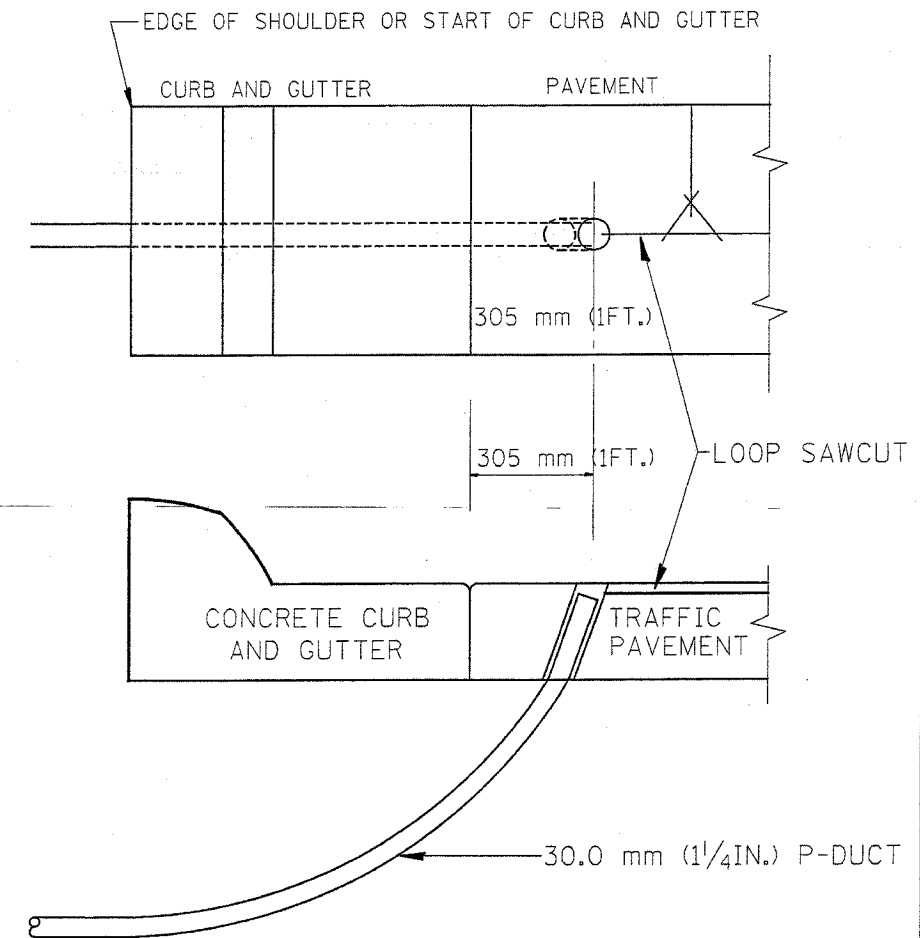
MINIMUM 25 mm (1") HEAT SHRINK TUBING OVERLAP ON WIRE, PVC & SHIELDED CABLE TO FORM WATER TIGHT SEAL

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 (6 FT.) INDUCTION LOOP SAWCUT LAYOUT FOR RAMPS



CURB AND GUTTER LOOP LEAD-IN TRANSITION DETAIL

NOTES

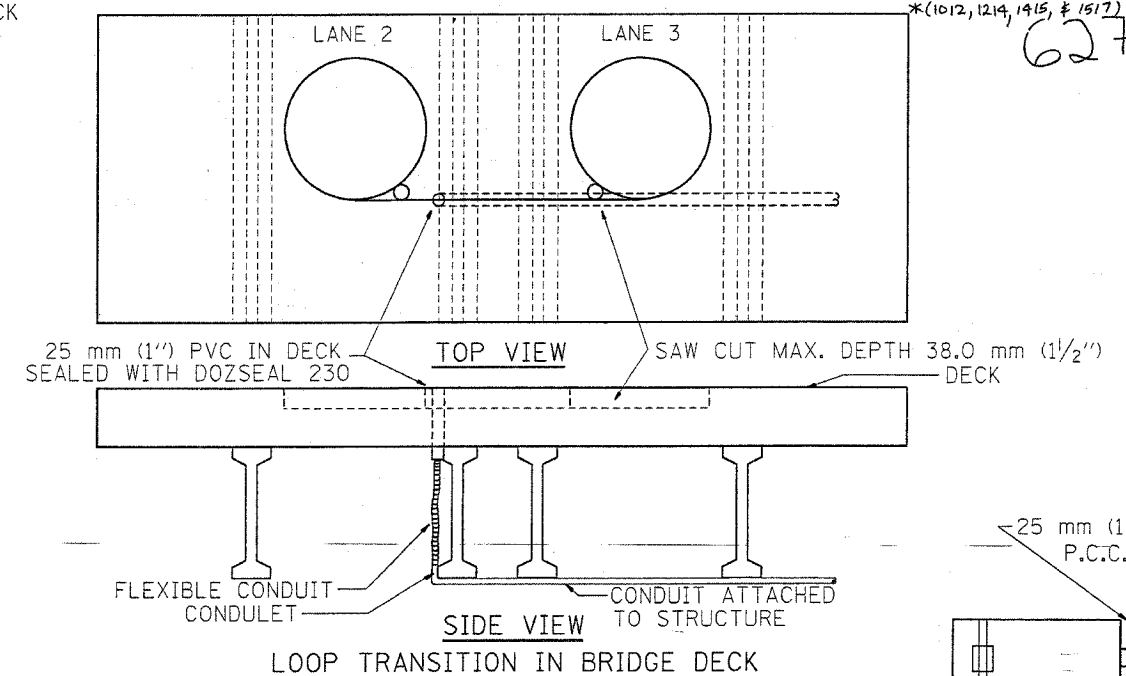
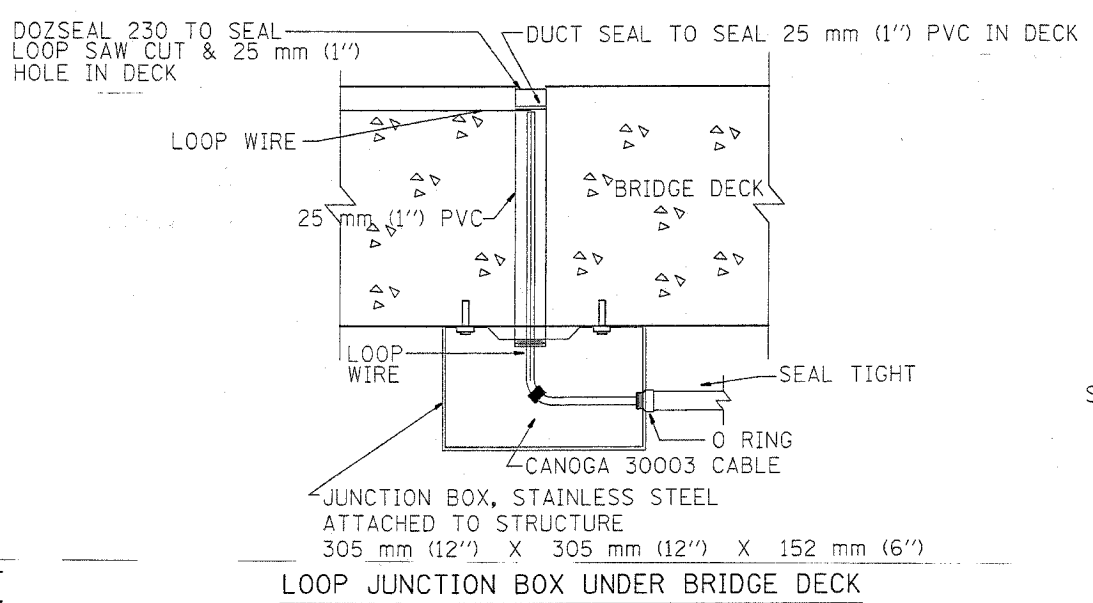
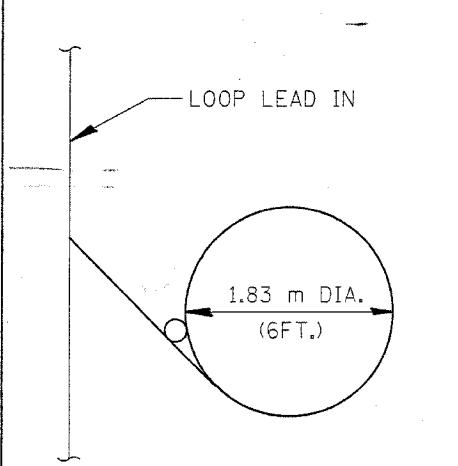
1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 45 m (150 FT.) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED 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
SCALE: VERT. NONE
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 | 81 | 59 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

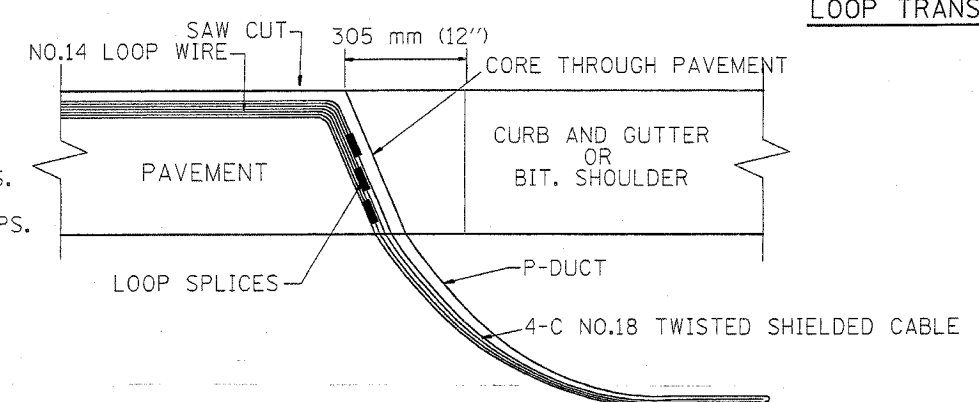
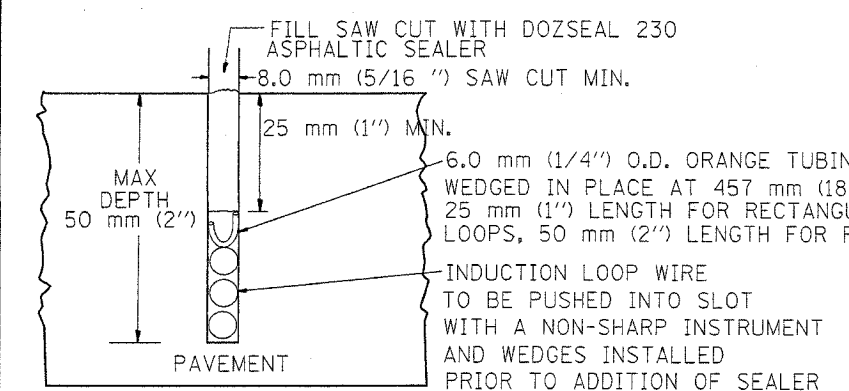
* (1012, 1214, 1415, & 1517) R 5-3
62746



TYPICAL LOOP SAWCUT LAYOUT

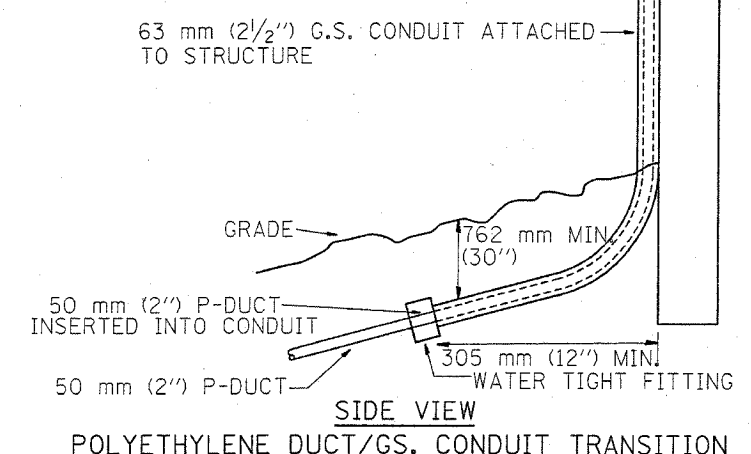
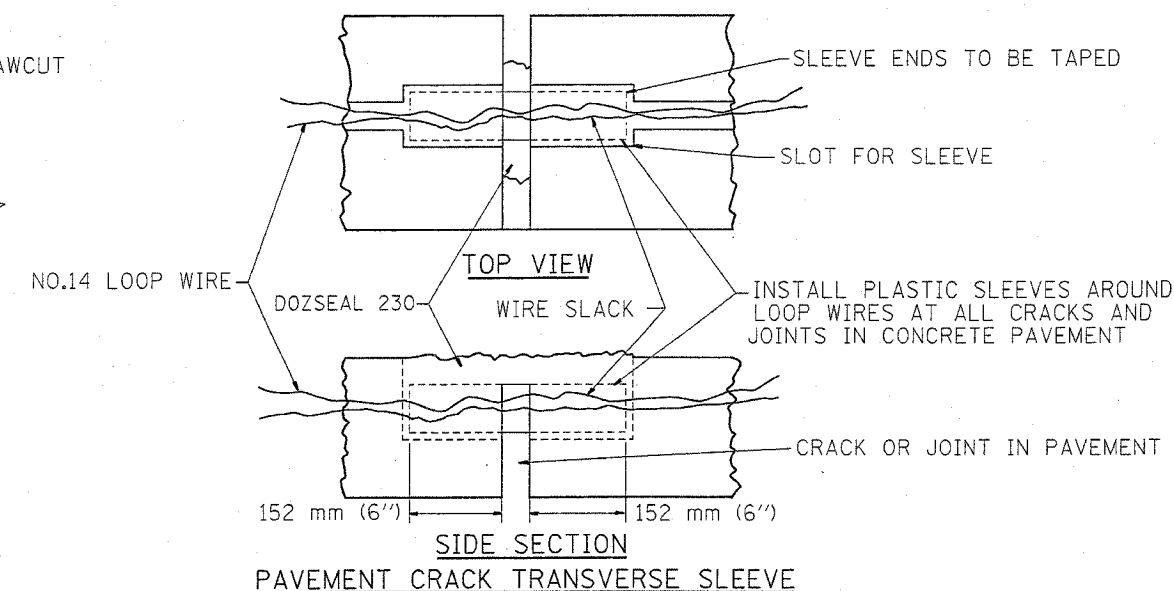
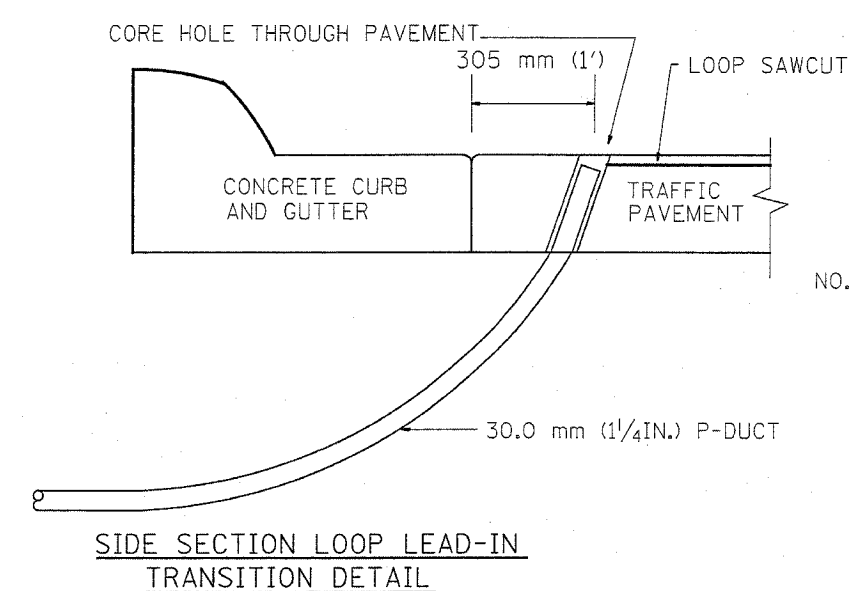
LOOP JUNCTION BOX UNDER BRIDGE DECK

LOOP TRANSITION IN BRIDGE DECK



LOOP CROSS SECTION IN PAVEMENT

MULTIPLE LOOP SPLICING



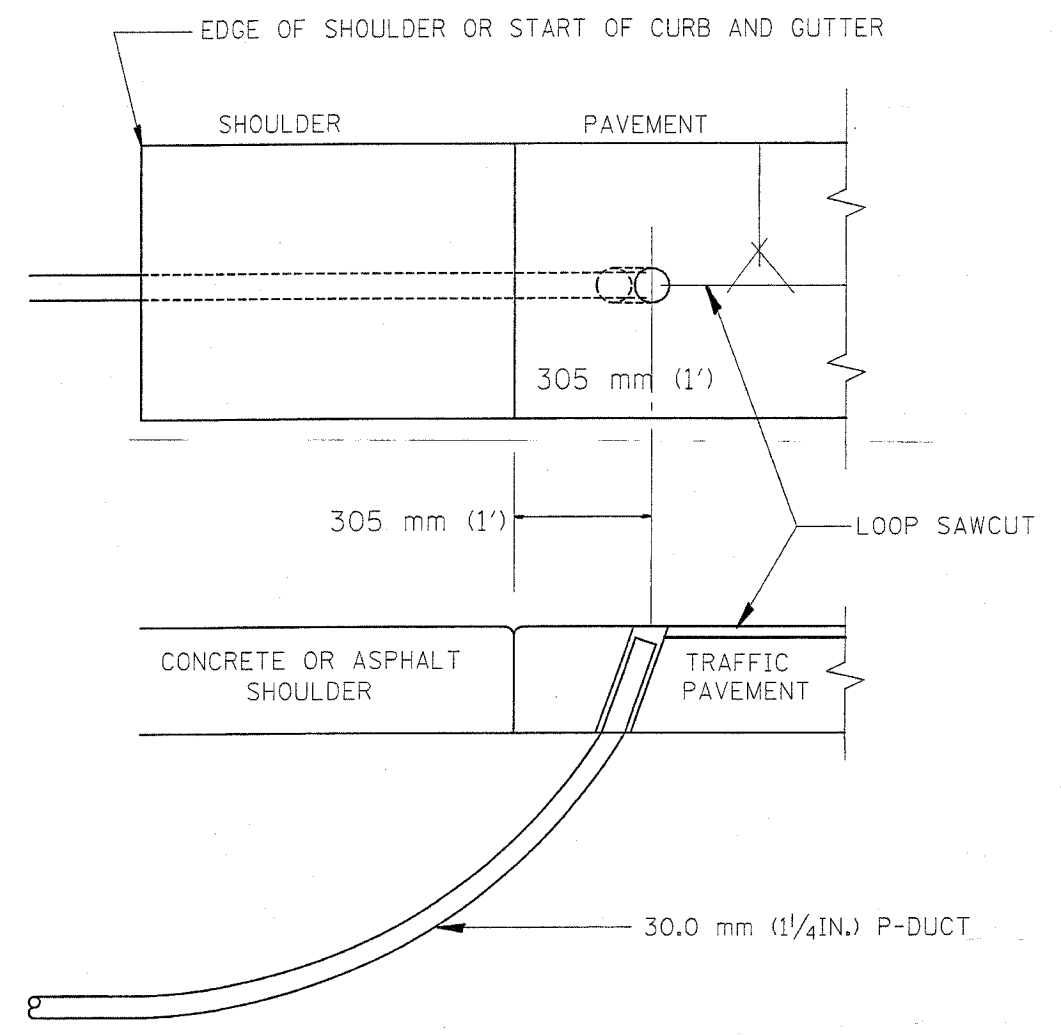
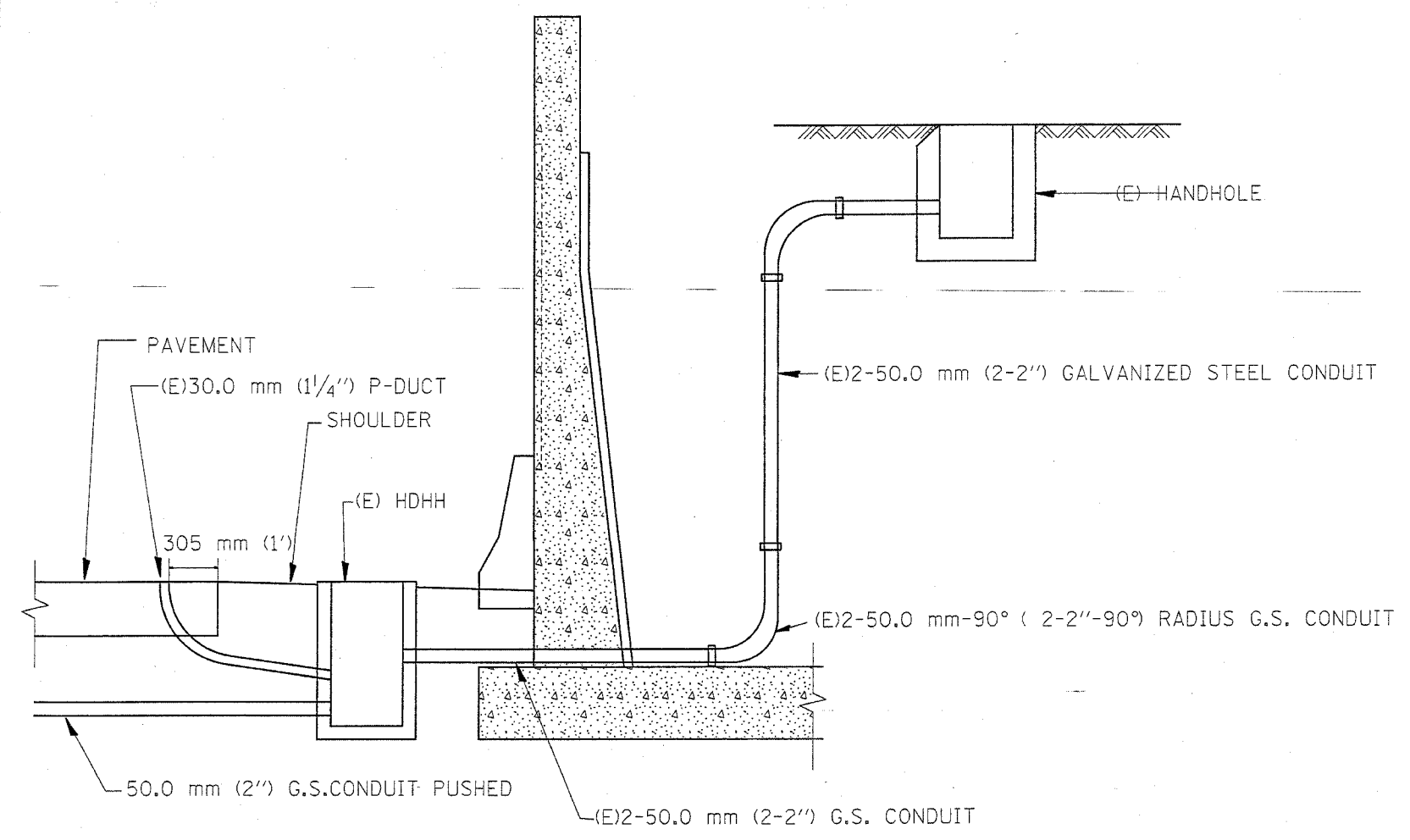
| REVISIONS | |
|-----------|-------|
| NAME | DATE |
| R.L. | 6/94 |
| R.L. | 3/95 |
| T.C. | 11/95 |
| R.L. | 05/96 |
| T.C. | 10/96 |

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER
**LOOP, CONDUIT & DUCT
INSTALLATION DETAILS**
SCALE: VERT. NONE
HORIZ. NONE
DATE 6-22-94
DRAWN BY G.M.
CHECKED BY R.L.

RD-TYPMET.DGN
RF-

V1-4184

| | | | | |
|---------------------|---------|-----------------------------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 60 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| | | *(10,12,14,15, & 1517) RS-3 | | |
| 62746 | | | | |



SHOULDER LOOP LEAD-IN
TRANSITION DETAIL

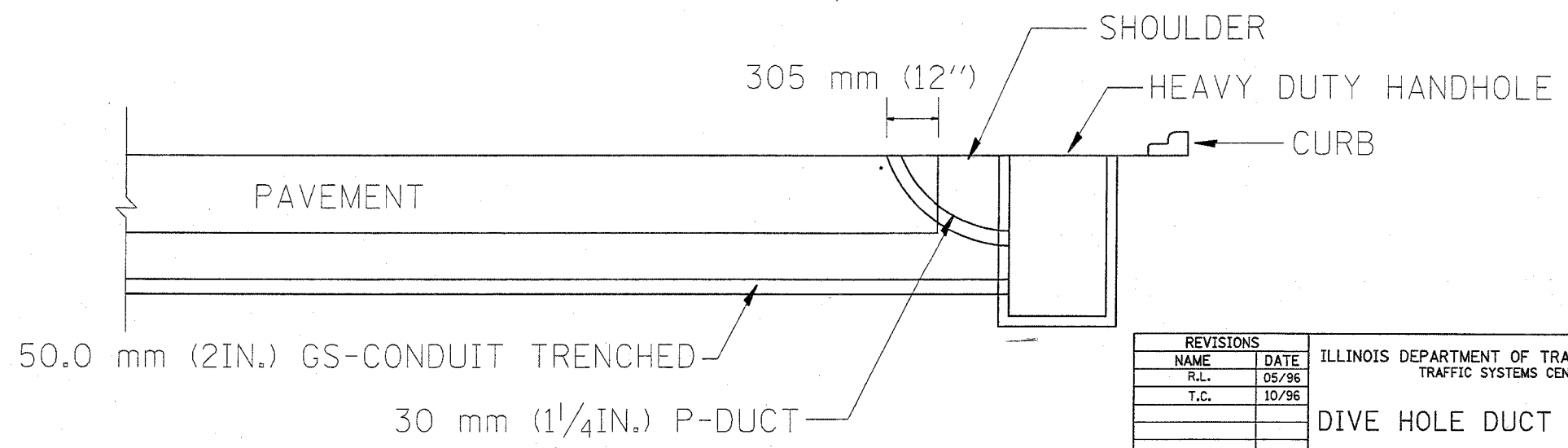
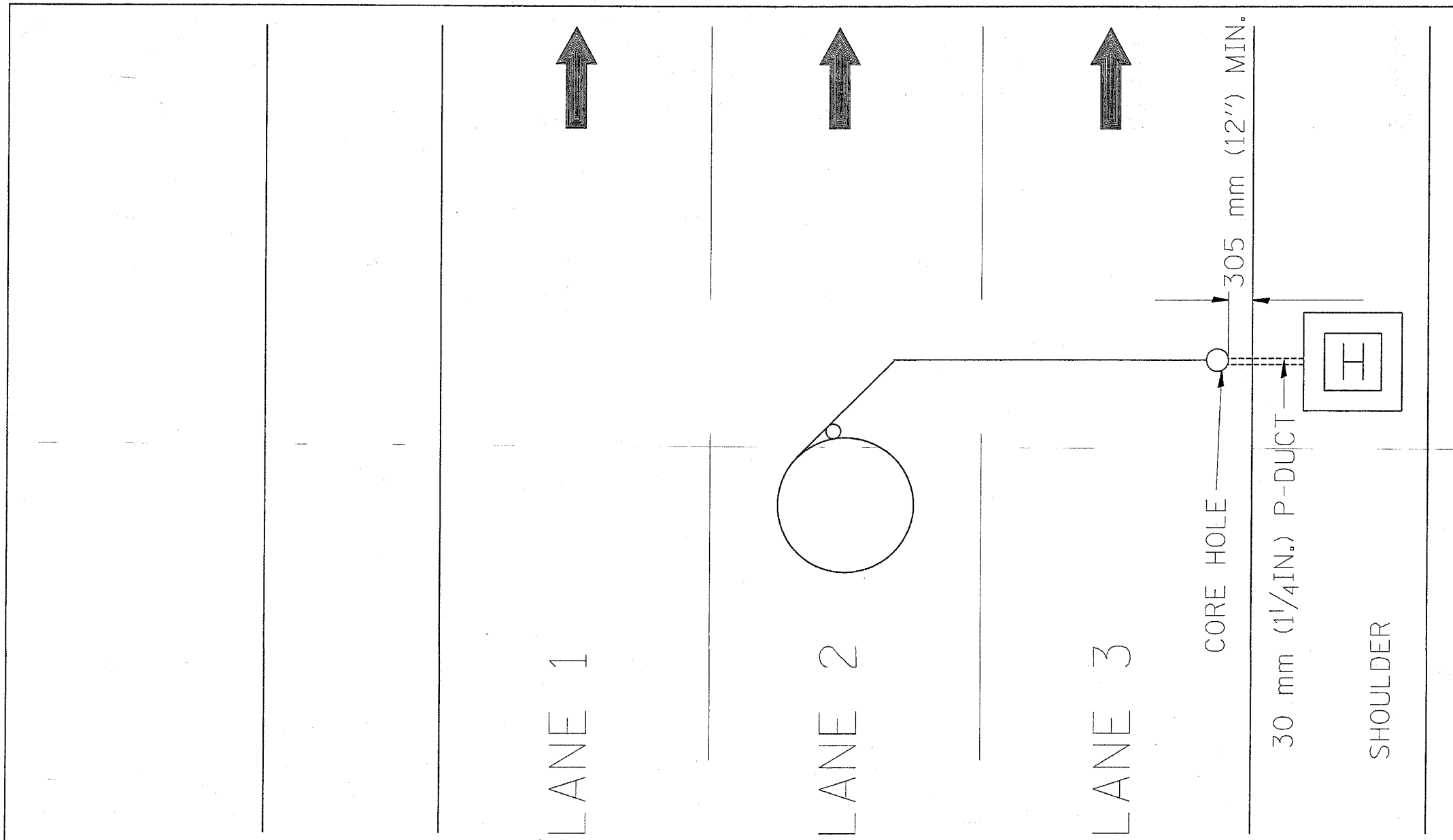
RD-TYPMET.DGN
RF=

VI-4185

| REVISIONS | | ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER |
|-----------|-------|---|
| NAME | DATE | |
| R.L. | 6/94 | TYPICAL INDUCTION LOOP LEAD-IN TRANSITION DIAGRAMS |
| T.C. | 11/95 | |
| R.L. | 05/96 | |
| T.C. | 10/96 | |
| | | |
| | | SCALE: VERT. NONE HORIZ. DRAWN BY G.M. |
| | | DATE 6-22-94 CHECKED BY R.L. |

| | | | | |
|---------------------|---------|---------------------------|--------------|-----------|
| F.A.L. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 62 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

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



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

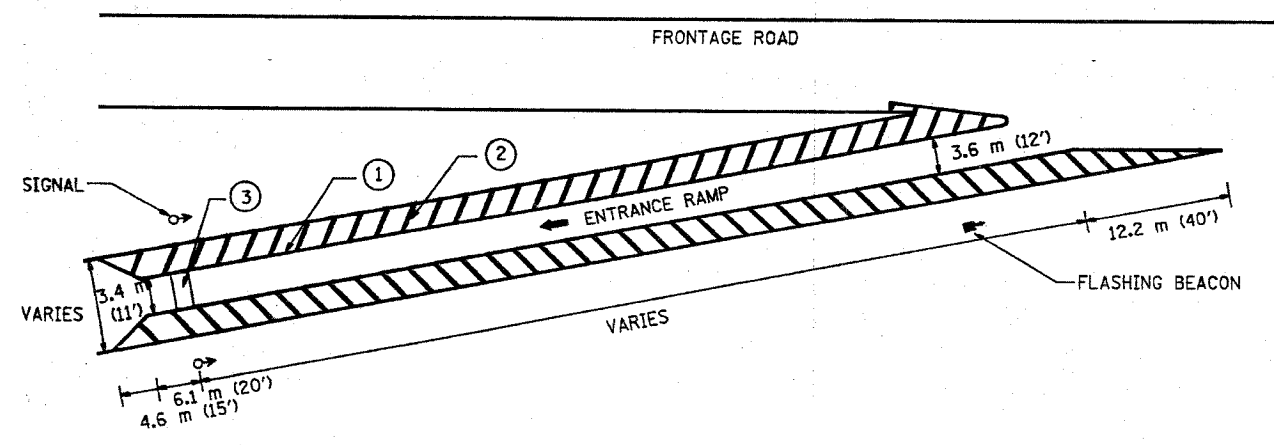
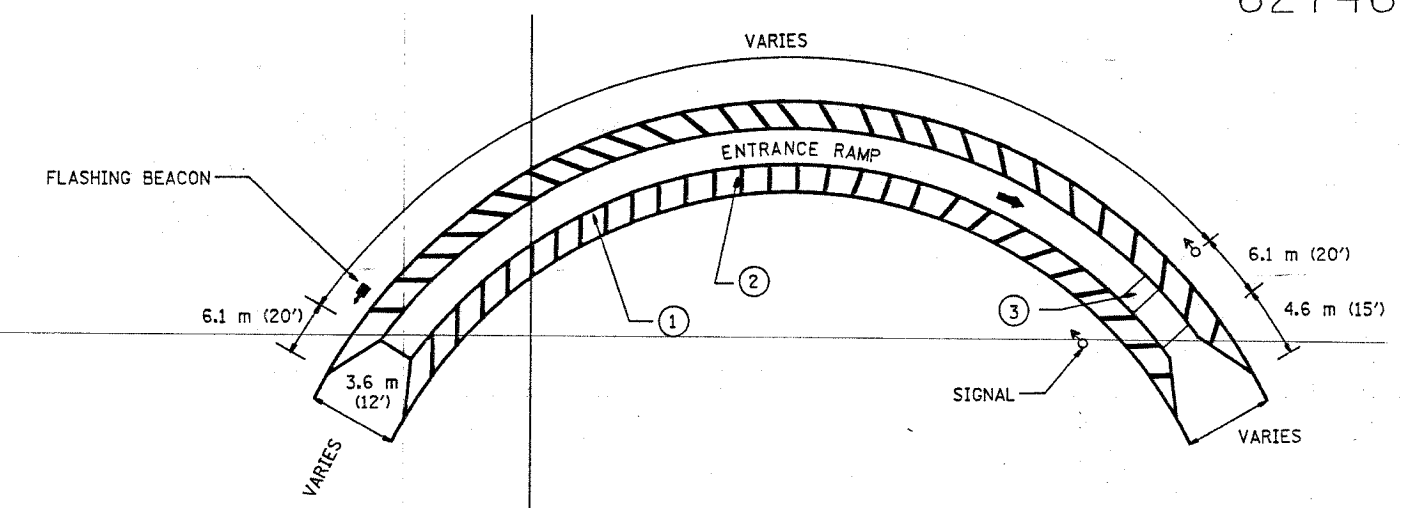
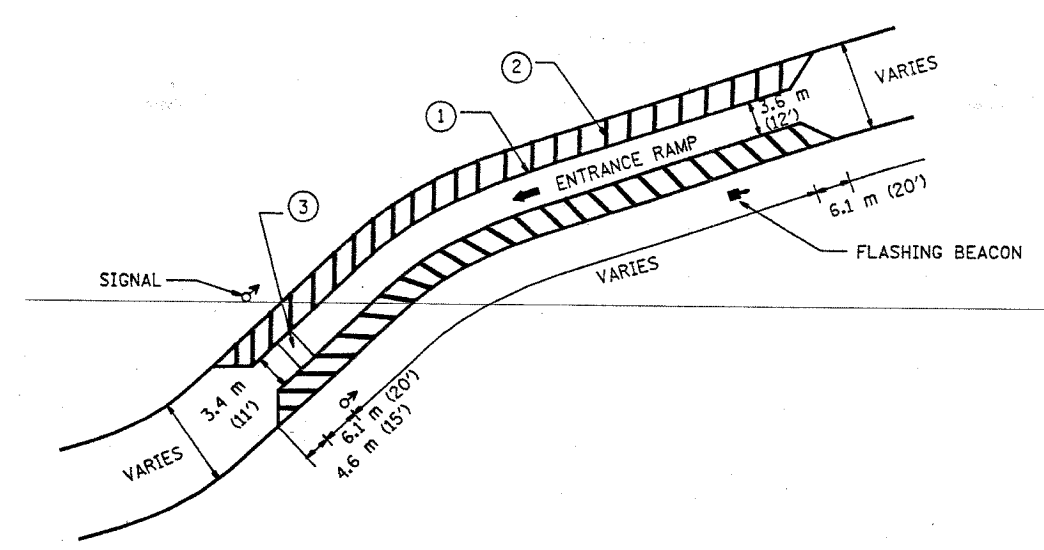
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER
DIVE HOLE DUCT SYSTEM
SCALE: VERT. NONE
HORIZ. DATE 11/7/95
DRAWN BY G.M.
CHECKED BY R.L.

RD-TYPMET.DGN
RF=

VI-4188

| | | | | |
|-----------------------------------|---------|------------------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET No. |
| 90 | | COOK | 81 | 63 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. 1 ILLINOIS | | FED. AID PROJECT | | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

62746

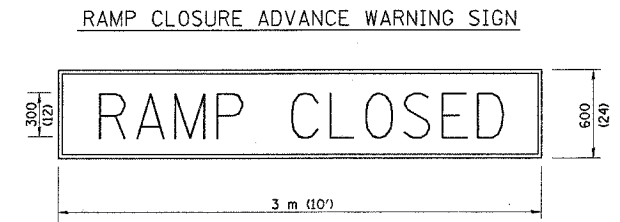
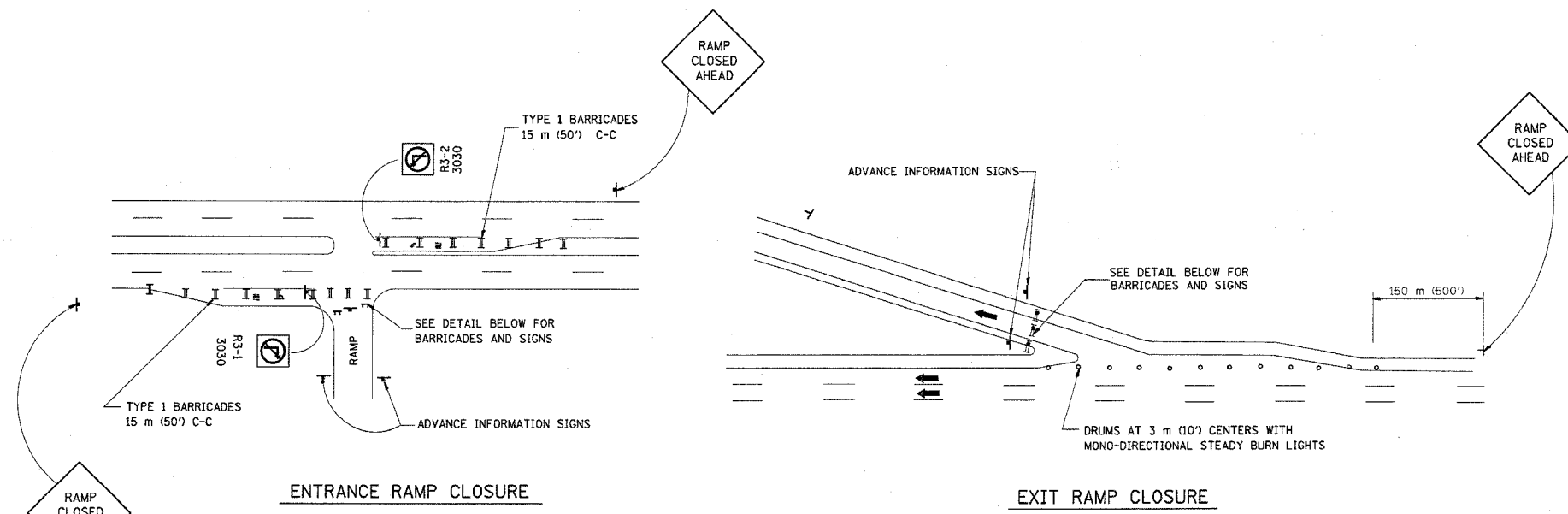


- PAVIMENT MARKING
- ① 30.5 cm (12") WHITE CHANNEL MARKINGS
 - ② 20.3 cm (8") WHITE CROSS-HATCHING AT 3.05 m (10') INTERVALS
 - ③ 60.9 cm (24") WHITE STOP BAR CENTERED BETWEEN SIGNALS

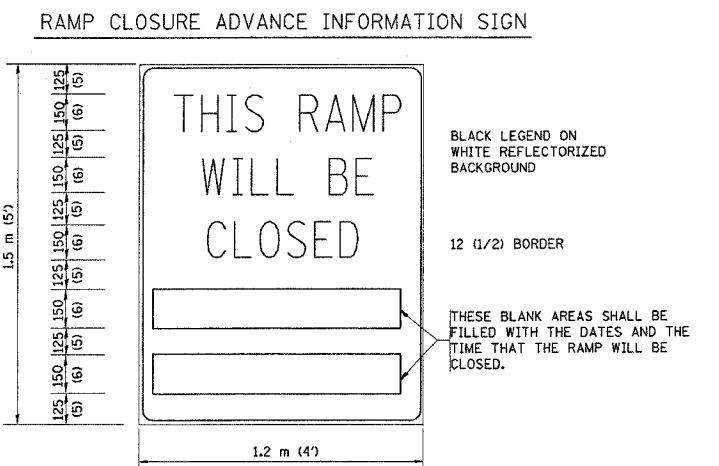
FOR INFORMATION ONLY - WORK UNDER THIS CONTRACT IS EXISTING SURVEILLANCE LOOP REPLACEMENT

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

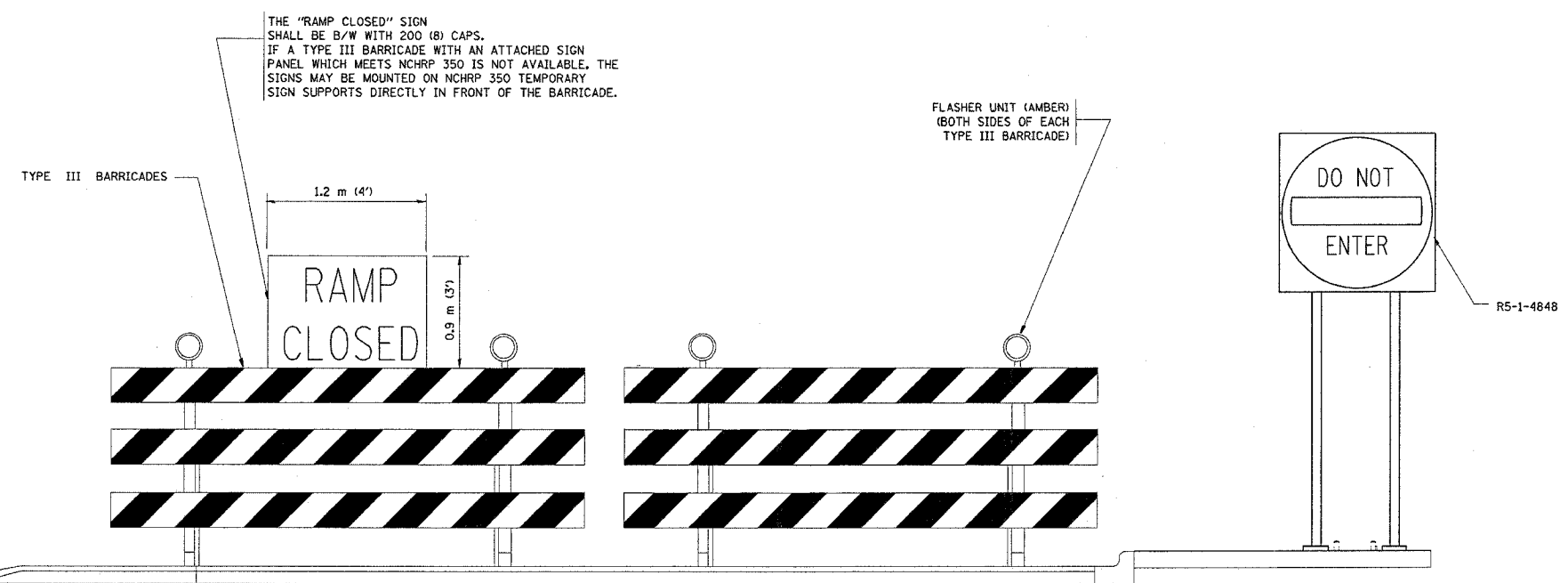
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|----------------------------------|----------|------------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 21 | 14 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |
| *(1012, 1214, 1415, & 1517) RS-3 | | | | |
| 62746 | | | | |



BLACK LEGEND ON ORANGE REFLECTORIZED BACKGROUND
25 (1) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR THE CLOSED EXIT RAMPS.



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, A MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.



THE "RAMP CLOSED" SIGN SHALL BE B/W WITH 200 (8) CAPS. 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.

DETAIL FOR REQUIRED BARRICADES & SIGNS

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

- NOTES:
- CONES MAY BE SUBSTITUTED FOR TYPE I AND TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28" IN HEIGHT.
 - STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
 - THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS.
 - 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.

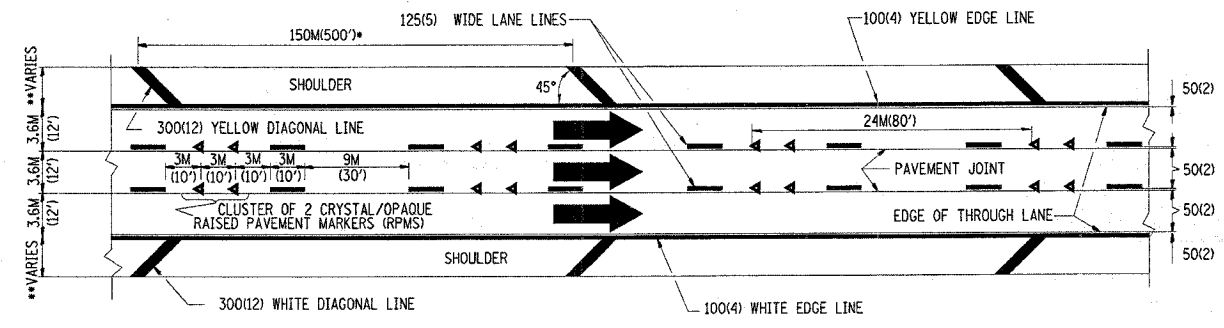
| REVISIONS | | DATE |
|----------------------------------|--|-------|
| NAME | | |
| DWS | | 2-83 |
| DWS | | 1/90 |
| DWS | | 9/94 |
| DWS | | 12/94 |
| DWS/JAF | | 12/02 |
| Revise devices to meet NCHRP 350 | | 4/03 |

ILLINOIS DEPARTMENT OF TRANSPORTATION
FREWAY
ENTRANCE AND EXIT RAMP
CLOSURE DETAILS

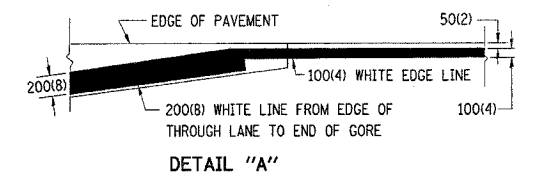
SCALE: VERT. HORIZ. DATE 4/11/2005
DRAWN BY CHECKED BY
TC-8
REVISION DATE: 04/03/03

| | | | | |
|--|---------|------------------|--------------|-----------|
| F. A. DIST. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 65 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. 7 | BLINDS | FED. AID PROJECT | | |
| *(1012, 1214, 1415, 1517) RS-3 62746 | | | | |

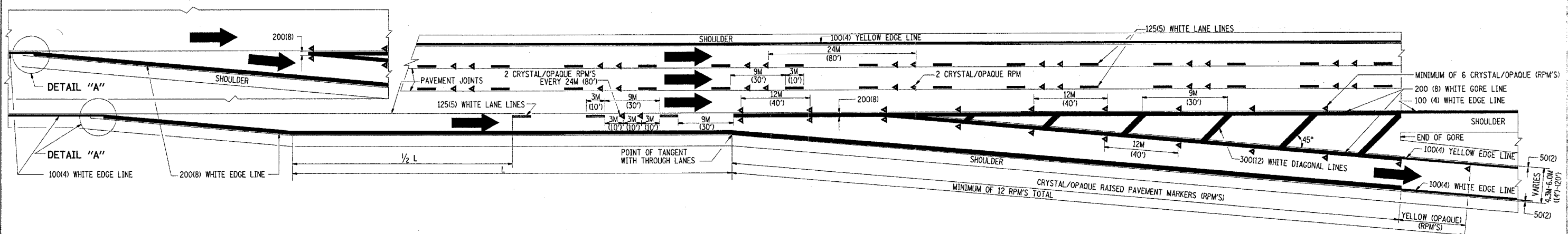
- THE DIAGONAL LINES SHALL BE SPACED AT 12M (40') C-C ACROSS ALL STRUCTURES WHICH ARE 150M (500') OR LESS IN LENGTH
- THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 1.8M (6') OR LESS IN WIDTH



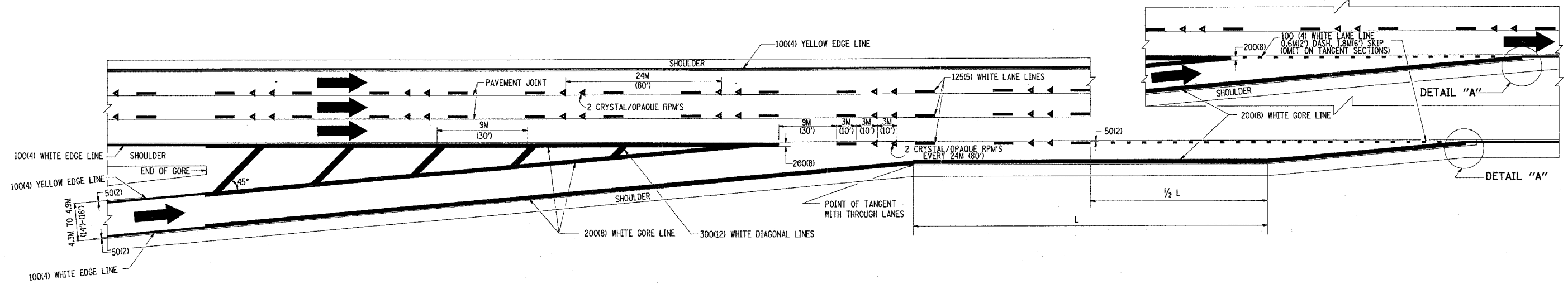
- NOTES:
1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
 2. PREFORMED PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL LANE LINES
 3. PREFORMED PLASTIC PAVEMENT MARKING LINE SHALL BE USED ON PCC PAVEMENT.



TYPICAL EDGE LINES & LANE LINES



TYPICAL EXIT RAMP PAVEMENT MARKINGS



TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS

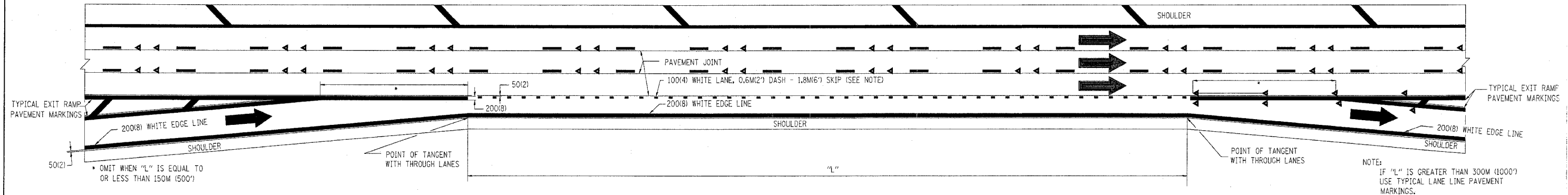
SCALE: NONE
DATE: 4/11/2005

DRAWN BY C.A.D.D.
CHECKED BY
TC12 SHEET 1 OF 2
REVISION DATE: 01/01/96

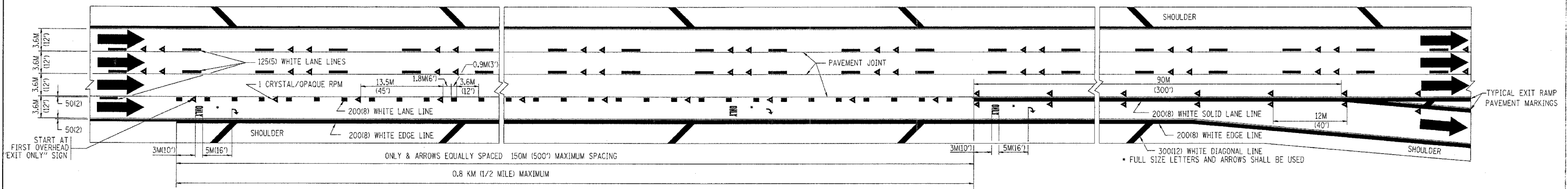
4/11/2005 10:36:21 04/11/2005

4/11/2005
w:\d\st\st\col2.dgn
VPT:GJZ
leec

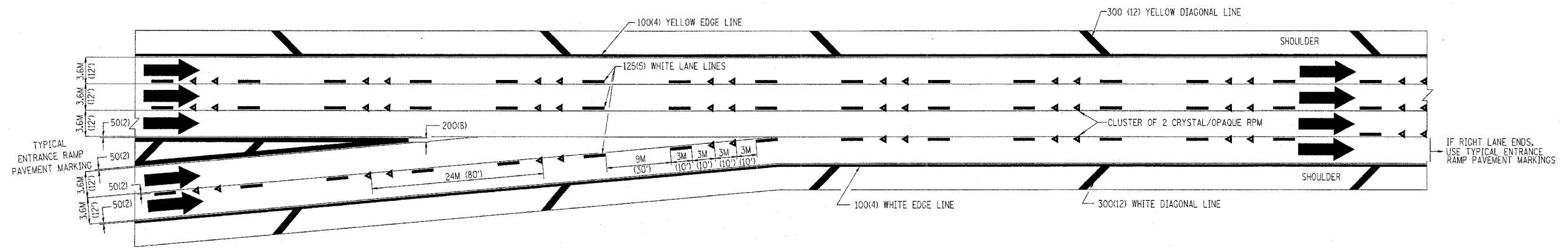
| | | | | |
|---------------------------------|----------|------------------|--------------|-----------|
| F. A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 66 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |
| *(1012, 1214, 1415, & 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

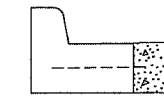
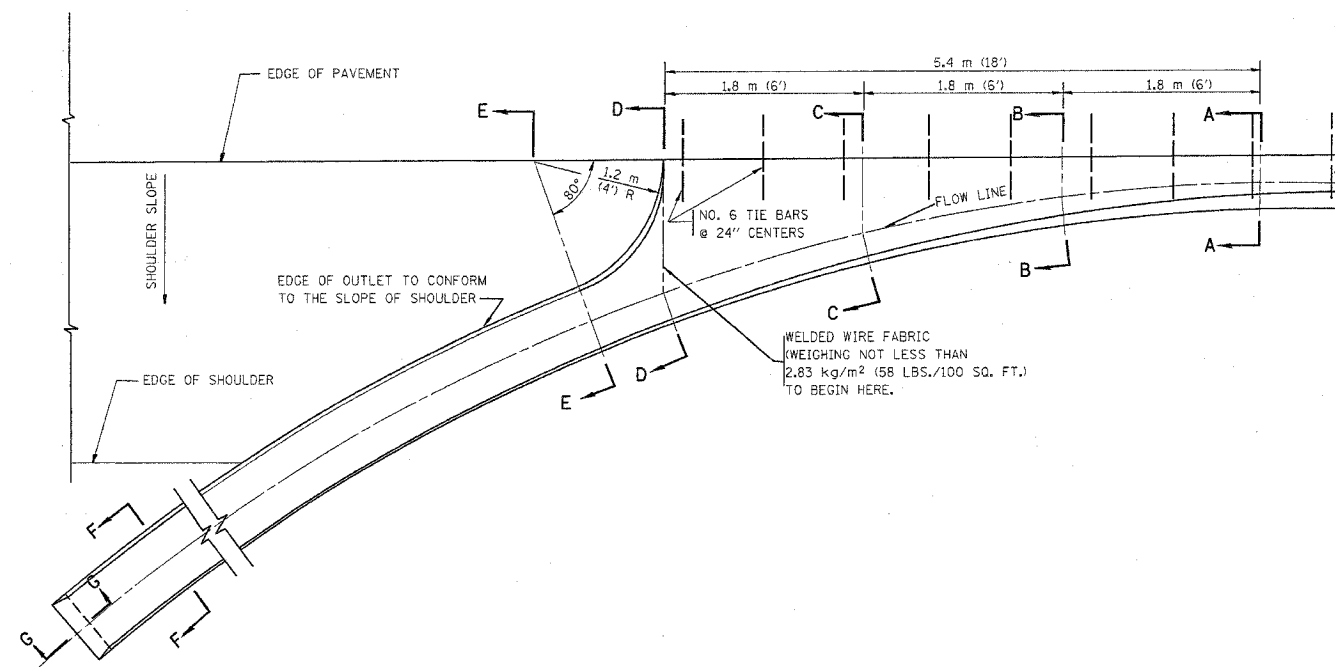
DRAWN BY C.A.D.D.
CHECKED BY
TC12 SHEET 2 OF 2
REVISION DATE: 01/01/96

04/11/2005 04/11/2005

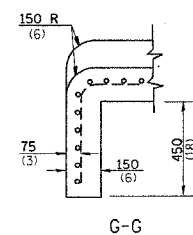
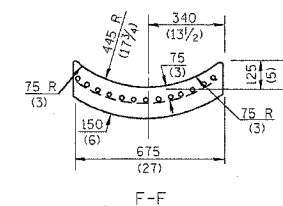
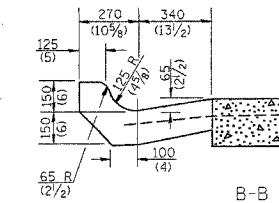
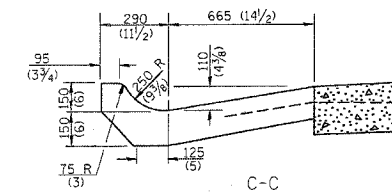
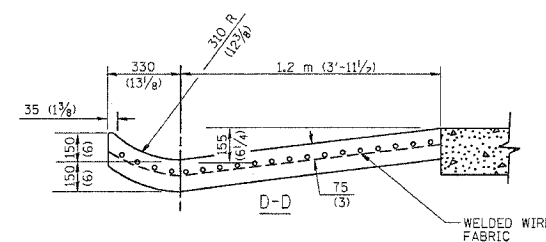
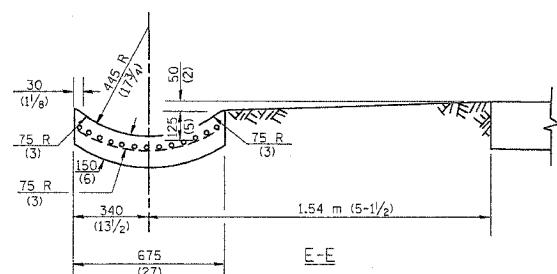
4/11/2005
wd\dststd\rc\2.dgn
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lecc

| | | | | |
|---------------------|---------|---------------------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 67 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

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



* 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 m³ (1.25 CU. YDS.) CLASS SI CONCRETE (OUTLET) FOR 225 (9) PAVT.
0.97 m³ (1.27 CU. YDS.) CLASS SI CONCRETE (OUTLET) FOR 250 (10) PAVT.
FOR SECTION F-F =
0.03 m³ (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 |
| | |
| | |
| | |
| | |

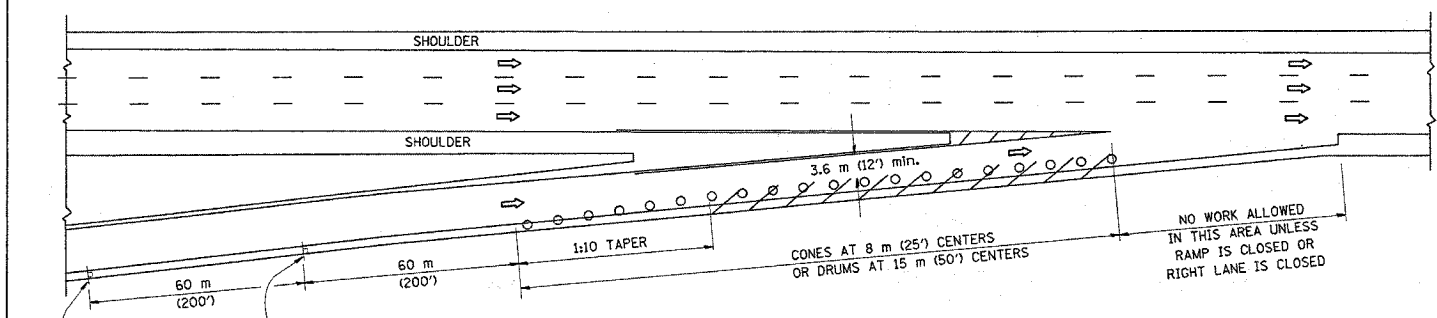
ILLINOIS DEPARTMENT OF TRANSPORTATION
OUTLET FOR CONCRETE CURB AND GUTTER

SCALE: VERT. HORIZ. DATE: 4/8/2005

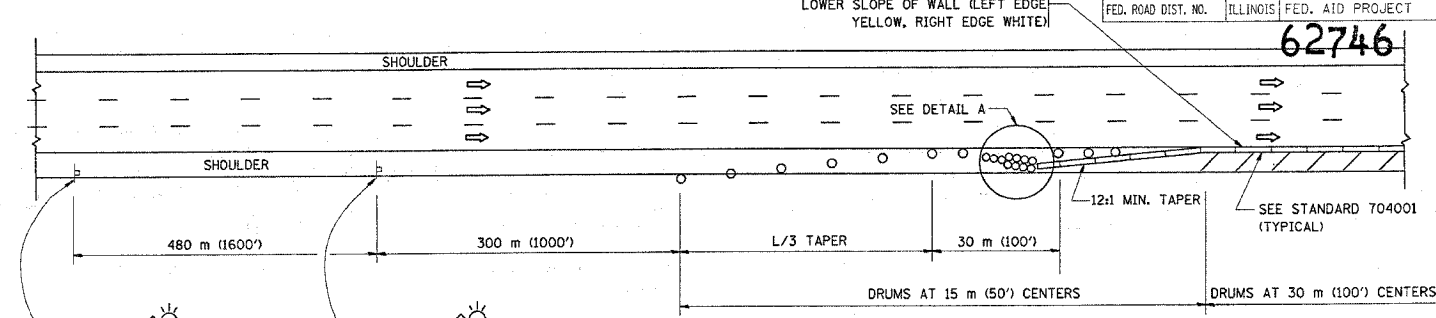
DRAWN BY
CHECKED BY
BD600-01 (BD-03)
REVISION DATE: 12/21/00

PARTIAL RAMP CLOSURE DETAILS

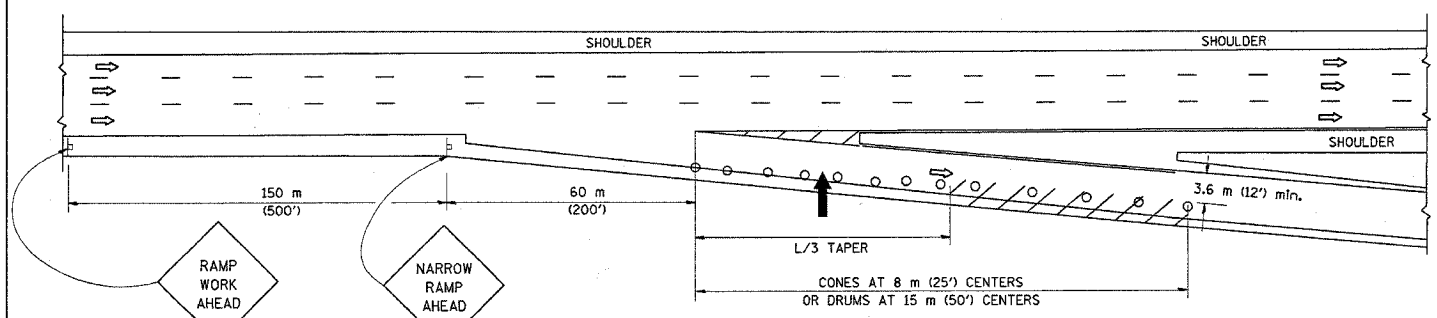
SHOULDER CLOSURE DETAILS



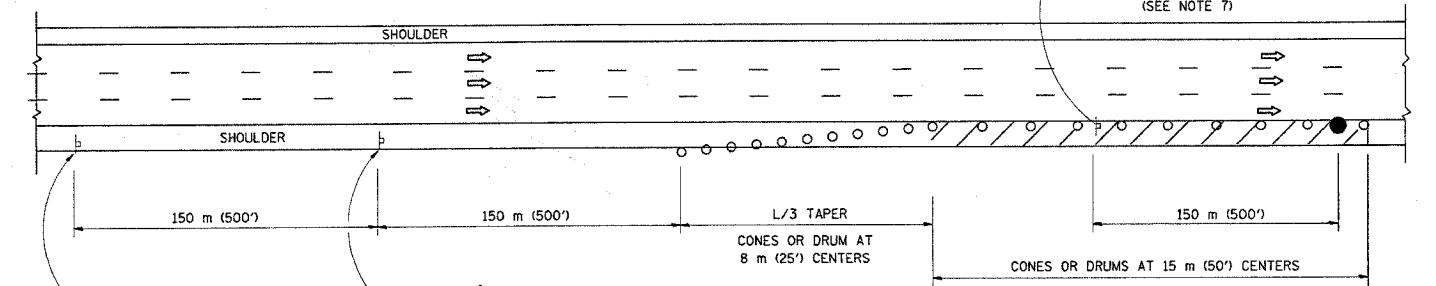
TYPICAL ENTRANCE RAMP



PERMANENT SHOULDER CLOSURE

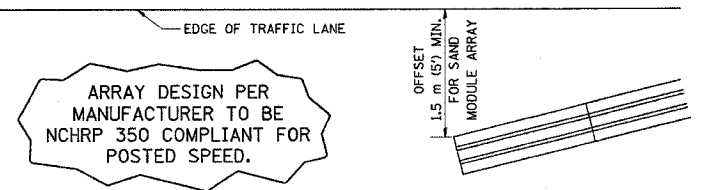


TYPICAL EXIT RAMP



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 4.5 m (15') TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



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

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

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

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

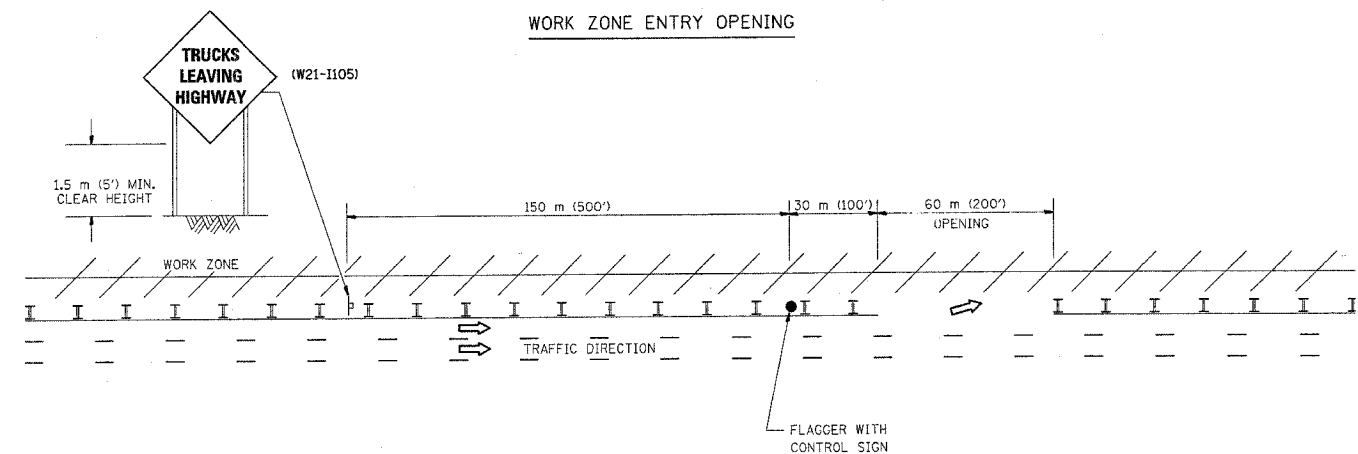
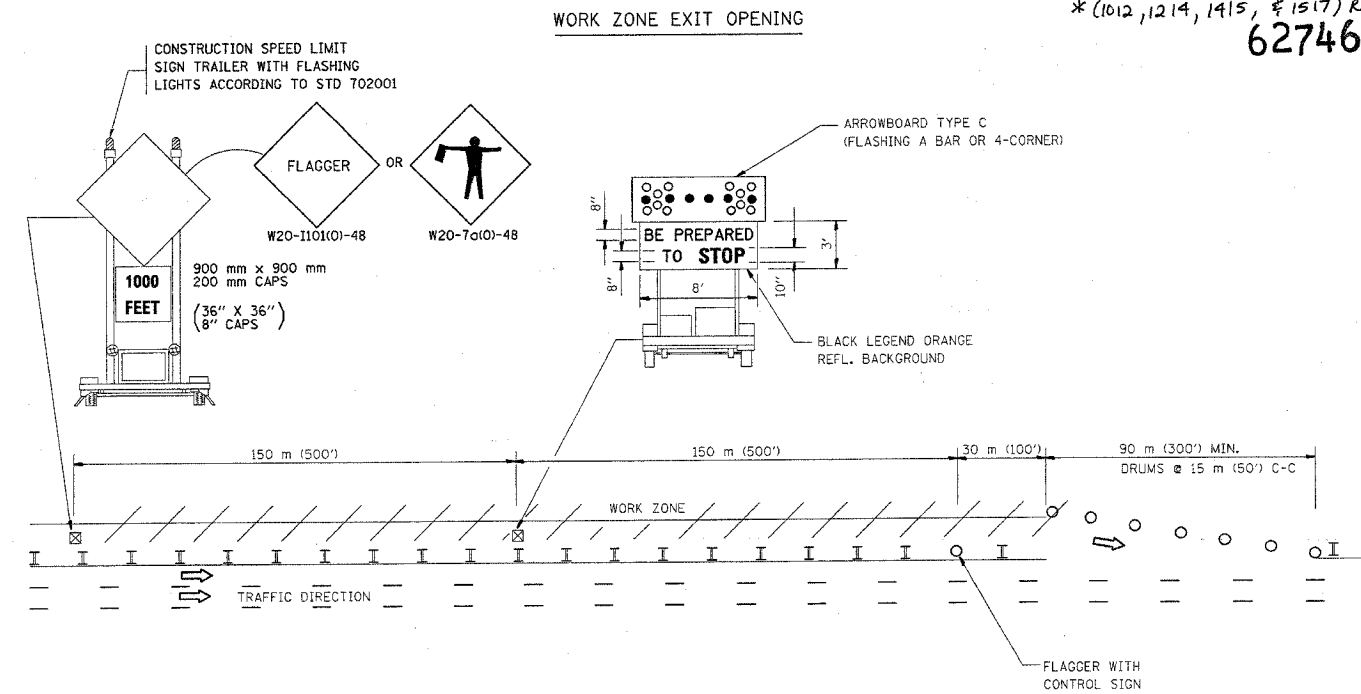
GENERAL NOTES

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

- 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.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - THE WORK ACTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 30 m (100') TO 60 m (200') IN ADVANCE OF THE WORKERS.

| | | | | |
|---------------------|---------|----------|---------------------------------|-----------|
| F.A. NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 40 | * | COOK | 81 | 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



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

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

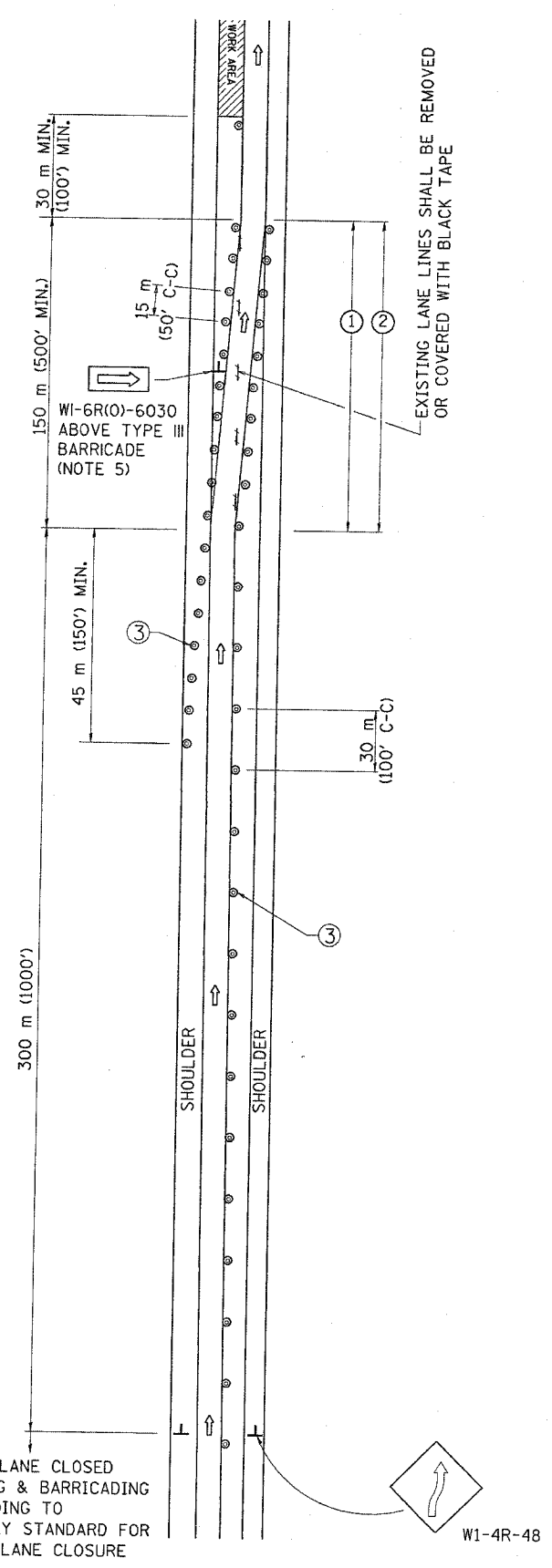
| REVISIONS | |
|-----------|------|
| NAME | DATE |
| DWS | 8/98 |
| JAF | 4/03 |
| | |
| | |
| | |
| | |

SCALE: NONE
DATE 4/11/2005

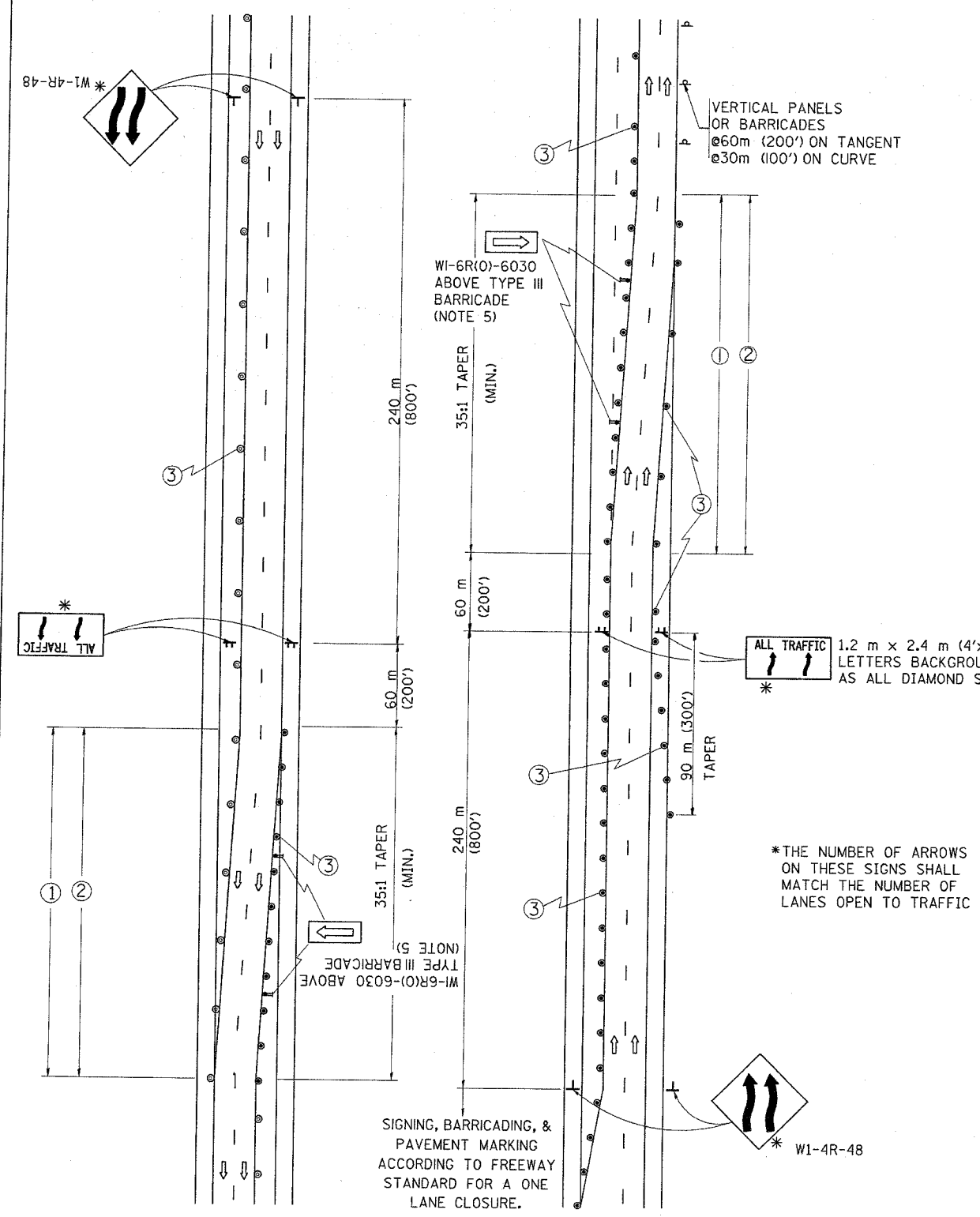
DRAWN BY CADD
CHECKED BY TC-18

REVISION DATE: 04/24/03

SINGLE LANE WEAVE



MULTI-LANE WEAVE



- ### 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

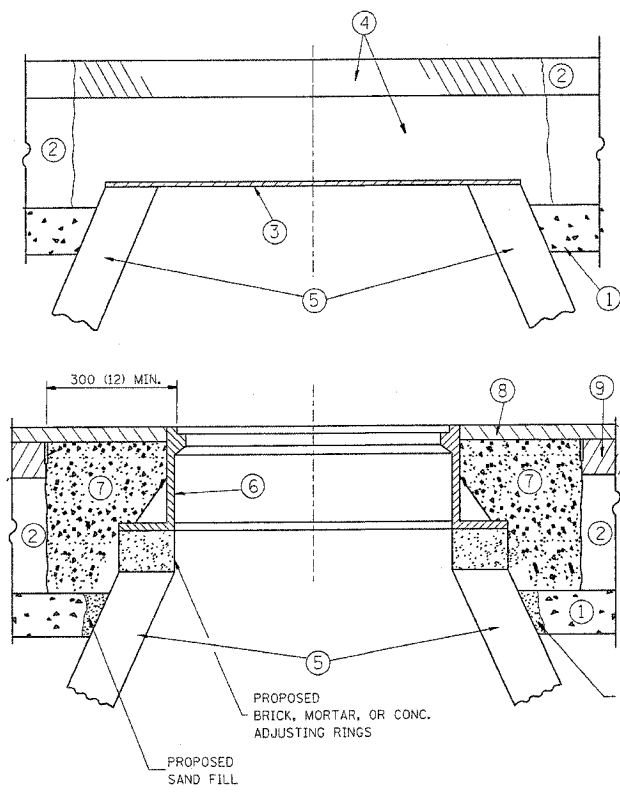
| REVISIONS | |
|-----------|----------|
| NAME | DATE |
| DWS | 2/87 |
| DWS | 1/90 |
| DWS | 12/27/94 |
| DWS | 11/96 |
| JAF | 4/03 |
| | |
| | |
| | |

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

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 S1 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 S1 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

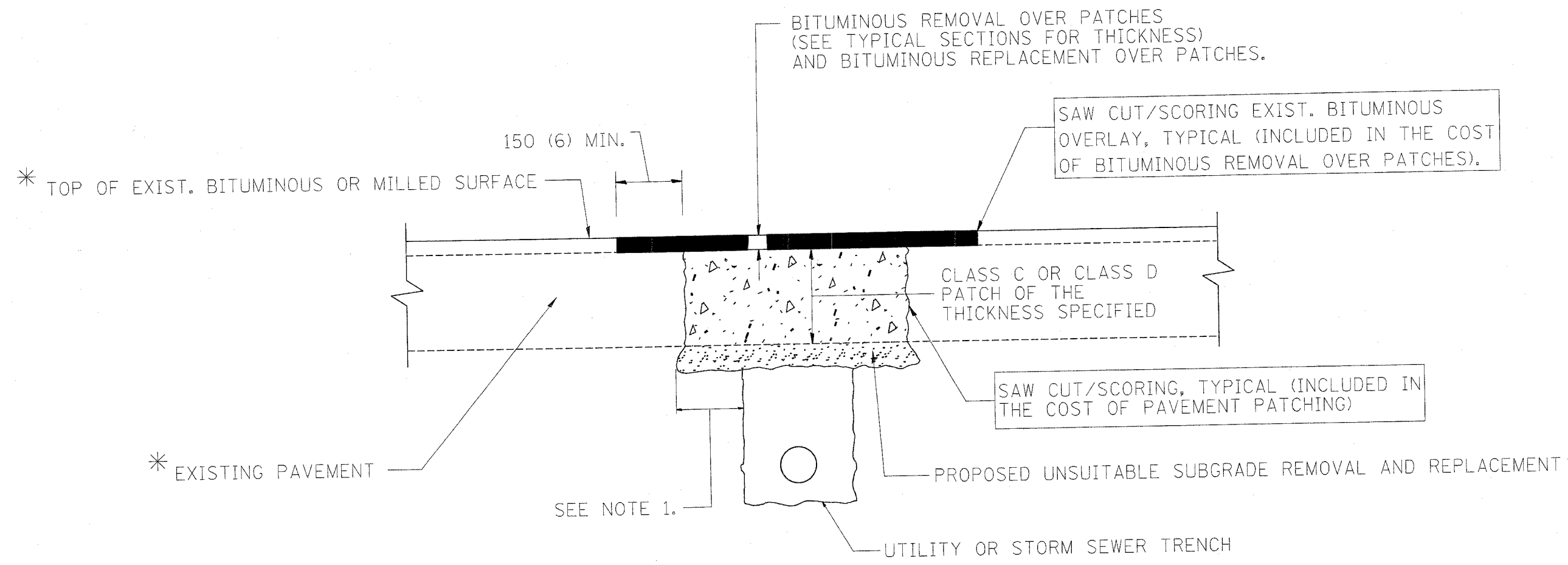
ILLINOIS DEPARTMENT OF TRANSPORTATION

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

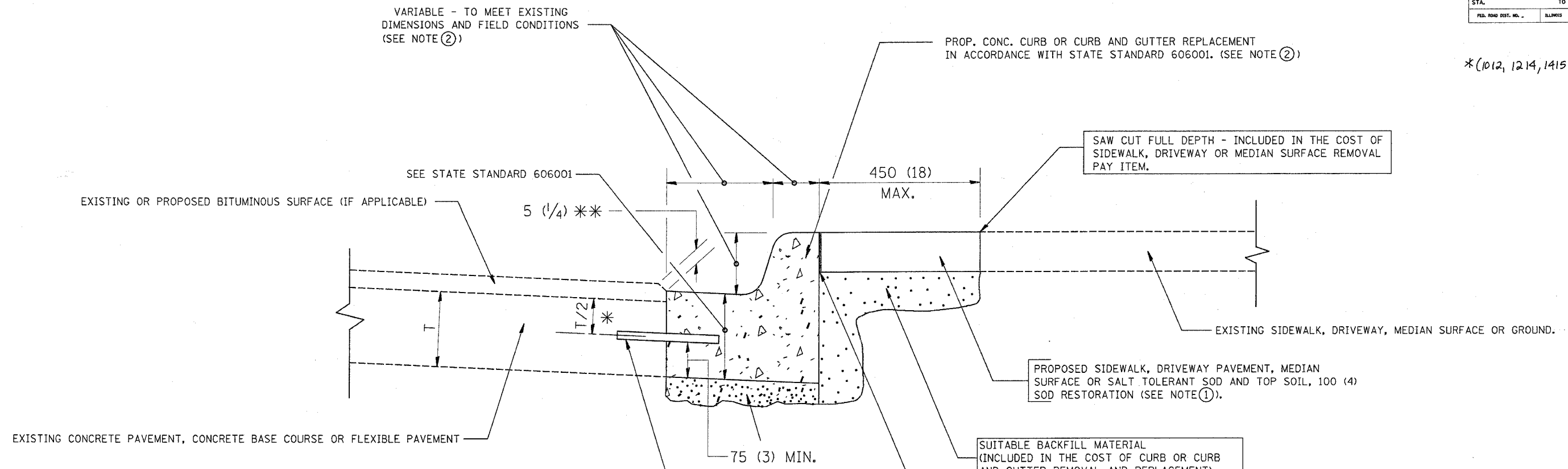
PAVEMENT PATCHING FOR BITUMINOUS SURFACED PAVEMENT

SCALE: VERT. DATE 4/11/2005
 DRAWN BY
 CHECKED BY
 BD400-04 (BD-22)
 REVISION DATE: 04/27/98

| | | | | |
|---------------------|---------|------------------|--------------|-----------|
| P.A. FILE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 73 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. | ALTERN. | FED. AID PROJECT | | |

62746

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



- * 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.

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.

- 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.

UNSUITABLE 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 USUABLE 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".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

| 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 |
| A. ABBAS | 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

4/11/2005 04:37:50

4/11/2005
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VI-BD24
fabc

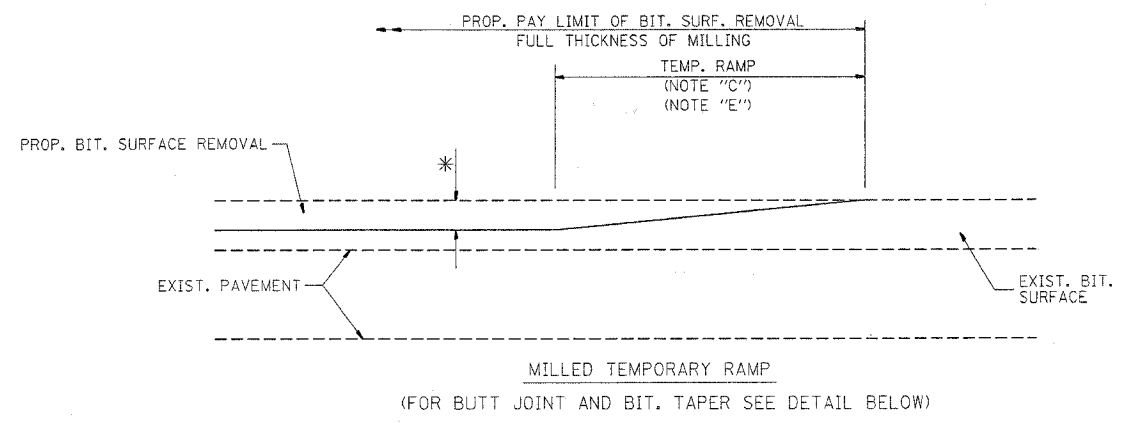
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|---------------------|----------|------------------|--------------|-----------|
| F. & L. SHEET | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 74 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

62746

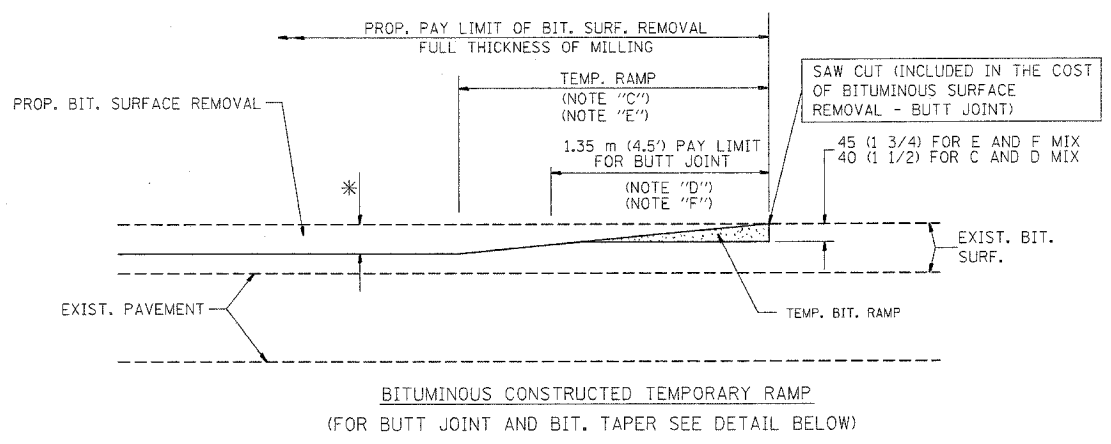
*(012, 1214, 1415, & 1517)RS-3

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

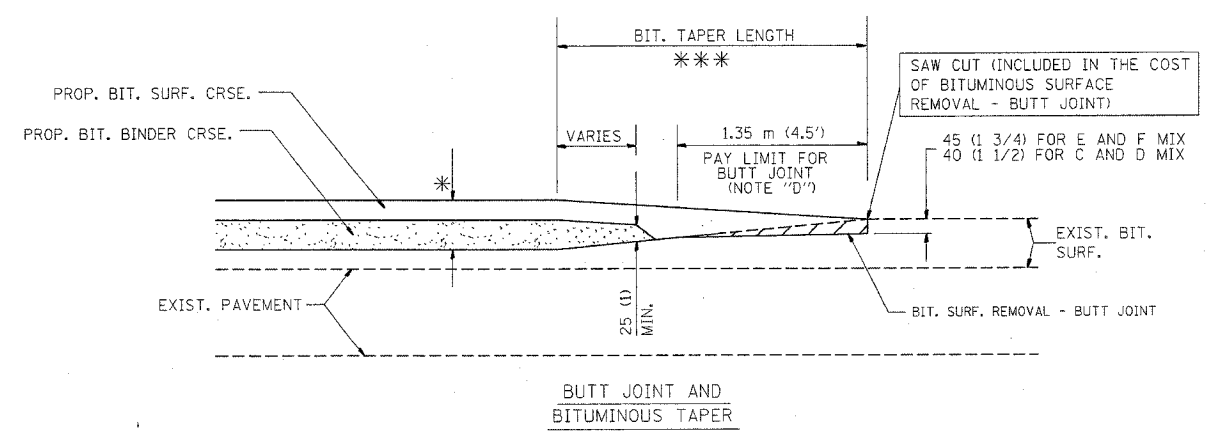


OPTION 1

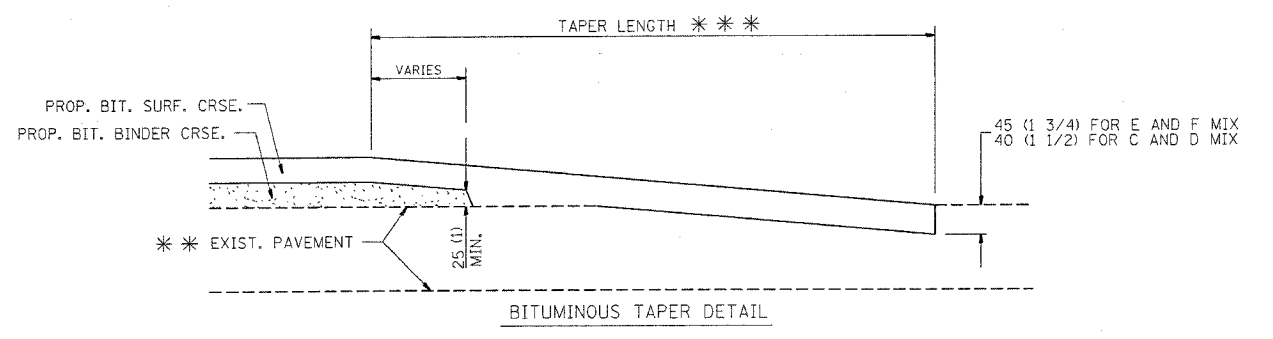
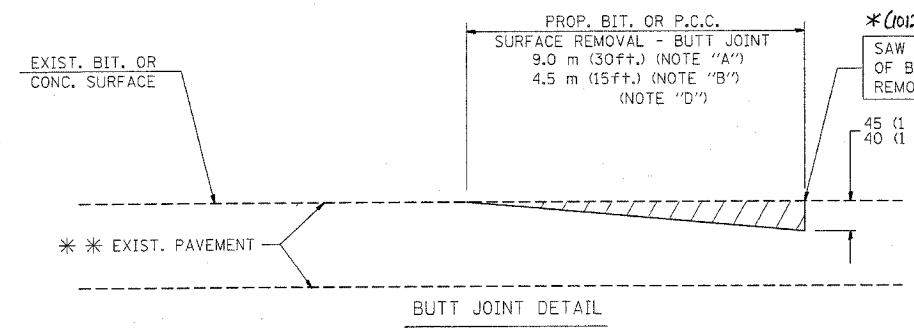


OPTION 2

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

| 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 (VI-BD32)

BASIS OF PAYMENT:

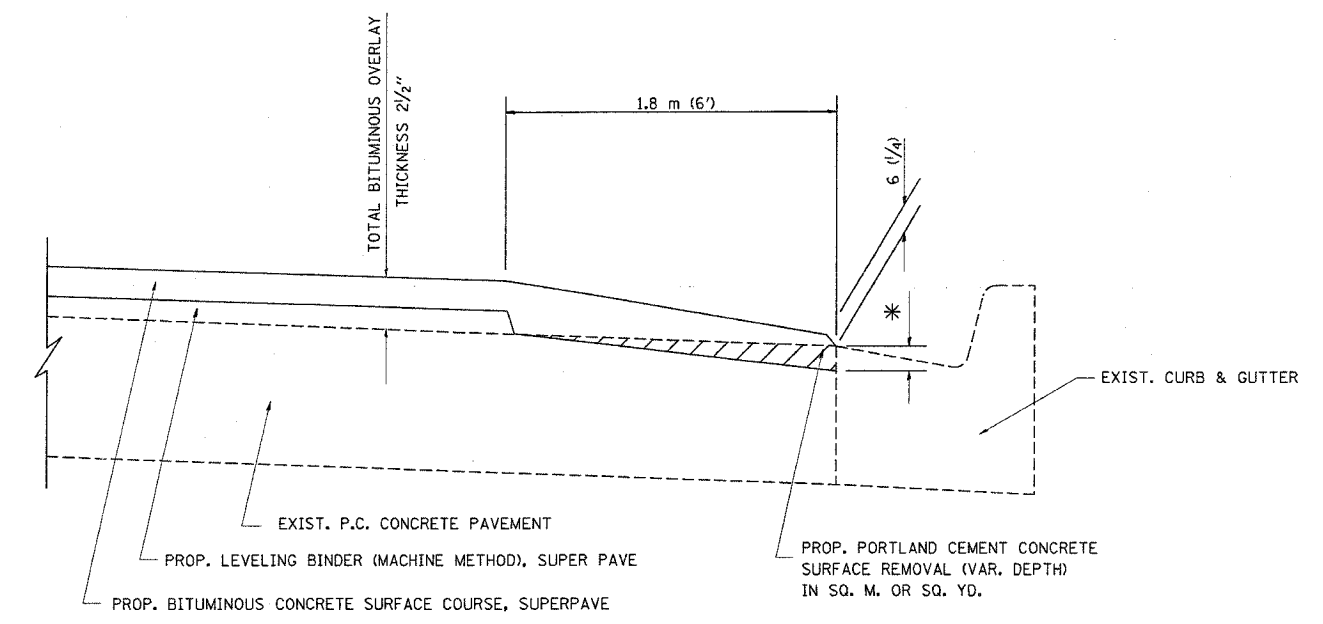
THE BUTT JOINT WILL BE PAID FOR PER SQUARE METER (SQUARE YARD.) AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT" OR AS "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

REVISION DATE: 04/06/01

05:37:54 04/11/2005

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|---------------------|----------|------------------|--------------|-----------|
| F. A. I. R/L | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | Cook | 81 | 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 | |
|-------------|------------|---------------------------|--------------------------|
| SURFACE MIX | THICKNESS | THICKNESS | * MILLING AT GUTTER FLAG |
| 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.

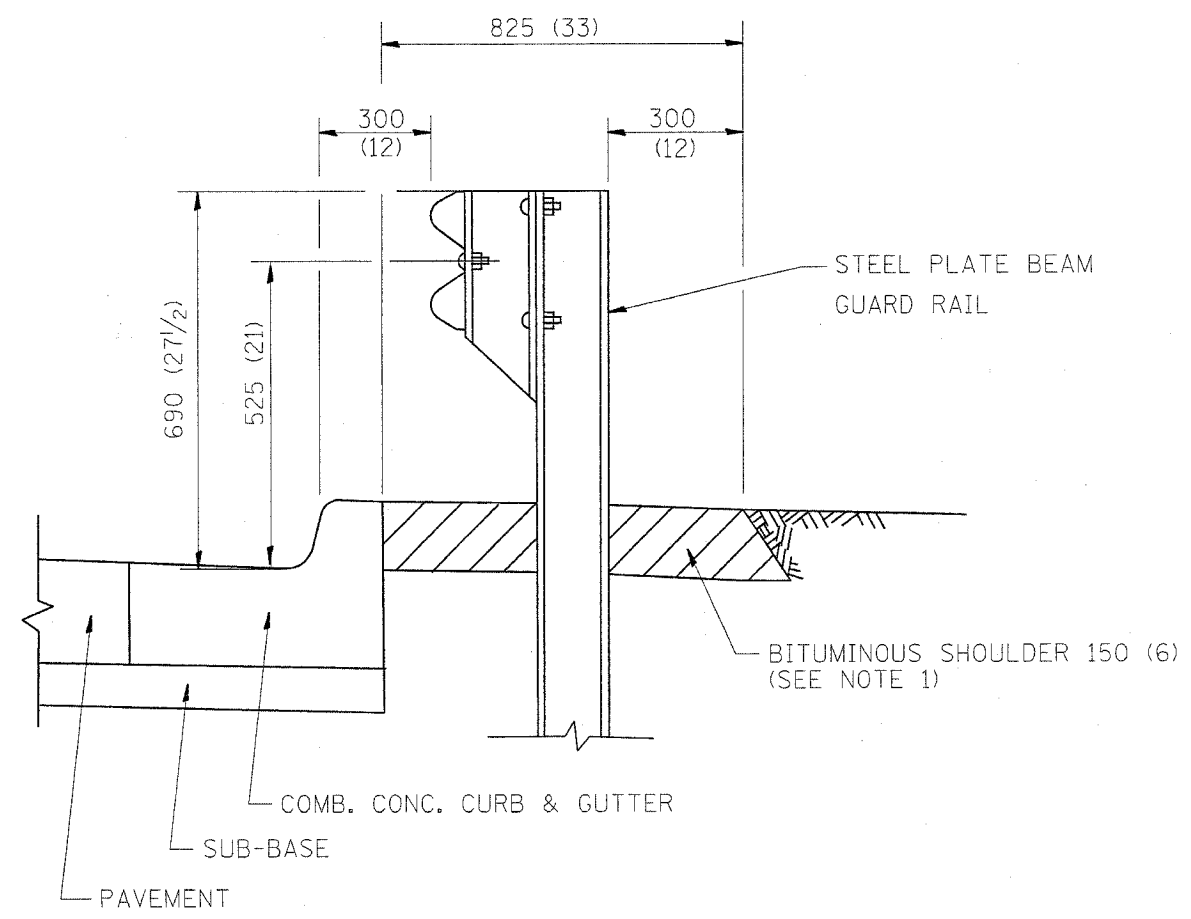
ILLINOIS DEPARTMENT OF TRANSPORTATION
 BITUMINOUS TAPER AT
 EDGE OF P.C.C. PAVEMENT

| 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 Jls
 CHECKED BY A. ABBAS
 BD400-06 (BD33)

| | | | | |
|---------------------|----------|------------------|--------------|-----------|
| F.A.I. NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | * | COOK | 81 | 76 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

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

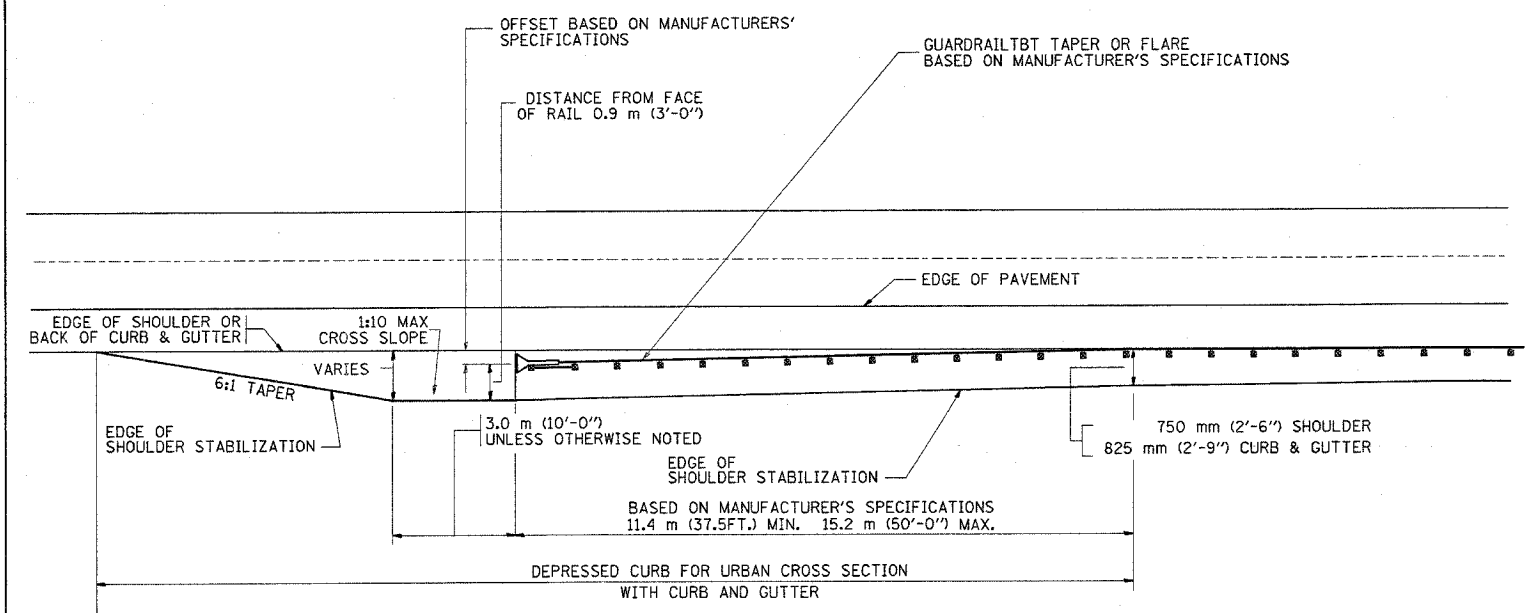


- NOTES: 1. THE BITUMINOUS SHOULDER SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL
2. GUARD RAIL MAY BE PLACED AT THE BACK OF CURB WHEN DIRECTED BY THE ENGINEER.

BASIS OF PAYMENT: BITUMINOUS SHOULDER 150 (6) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER m² (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)

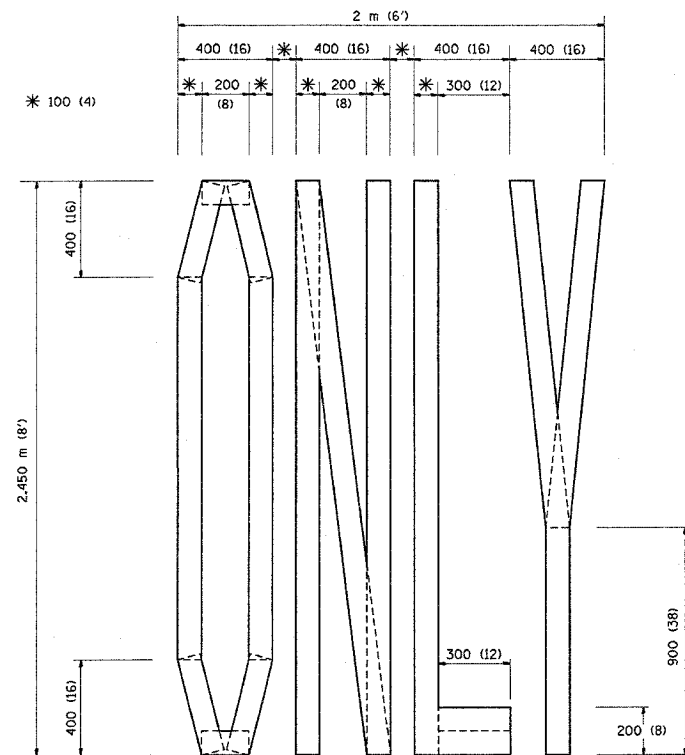
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04/11/2005 04:38:00

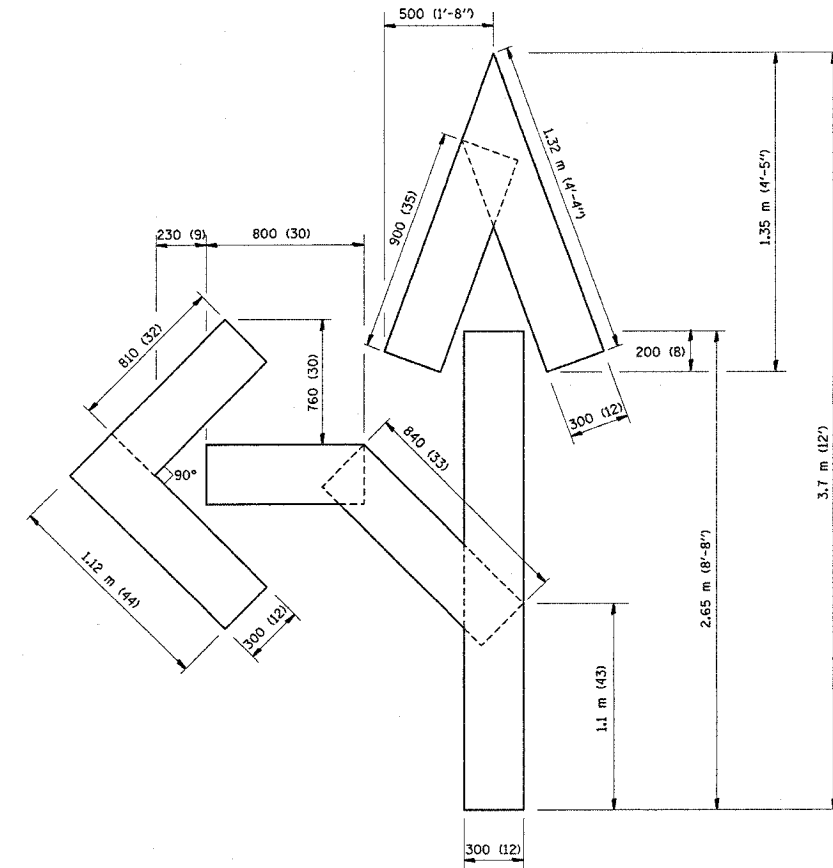
REVISION DATE: 08/28/00

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| P. & I. SHEET | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 70 | * | COOK | 81 | 77 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | |

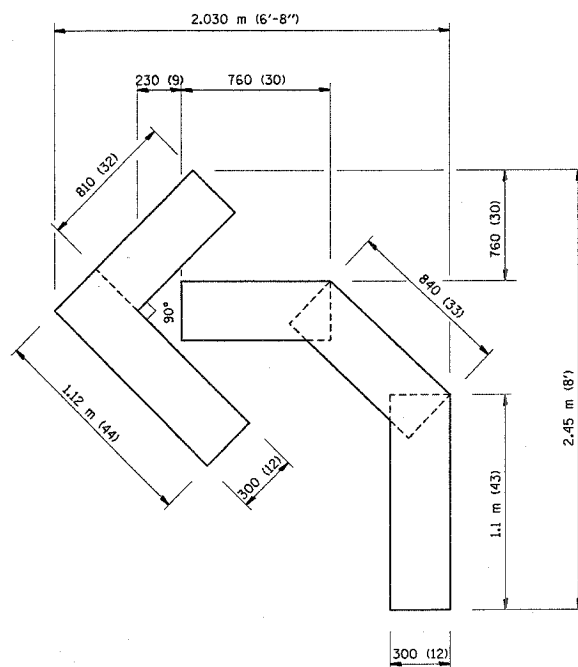
62746
*(1012, 1214, 1415, & 1517) RS-3



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

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|-----------------------------------|----------|------------------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | - | COOK | 81 | 78 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

62746

SEQUENCE OF OPERATION

OPERATION ONE:
MILL 1 3/4" LANES 1, 2, 3, & 1/2" BOTH SHOULDERS
PLACE TEMPORARY PAVEMENT MARKINGS.

OPERATION TWO:
PATCH LANES

OPERATION THREE:
MILL (1 3/4") 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.

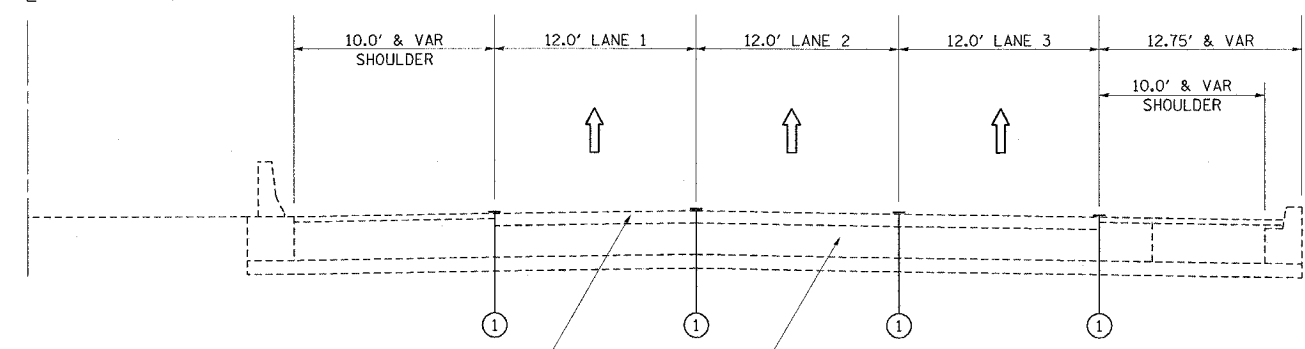
LEGEND

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

NOTES:

1. GRADE DIFFERENTIAL BETWEEN LANES SHALL NOT EXCEED 1 3/4"
2. SEE DETAIL TC-12 (SHEET 65 & 66) FOR PAVEMENT MARKING AT GORE AREAS.
3. REMOVAL OF TEMPORARY PAVEMENT MARKING WHEN REQUIRED SHALL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL.

SYM. ABOUT \uparrow (TYP)



EXISTING ±4 3/4" BIT. CONC. SURF. COURSE (TOP 4" TO BE MILLED)

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

EXISTING CONDITION

| REVISIONS | |
|-----------|------|
| NAME | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION

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

SCALE: VERT. NONE
HORIZ. DATE 2/8/2006

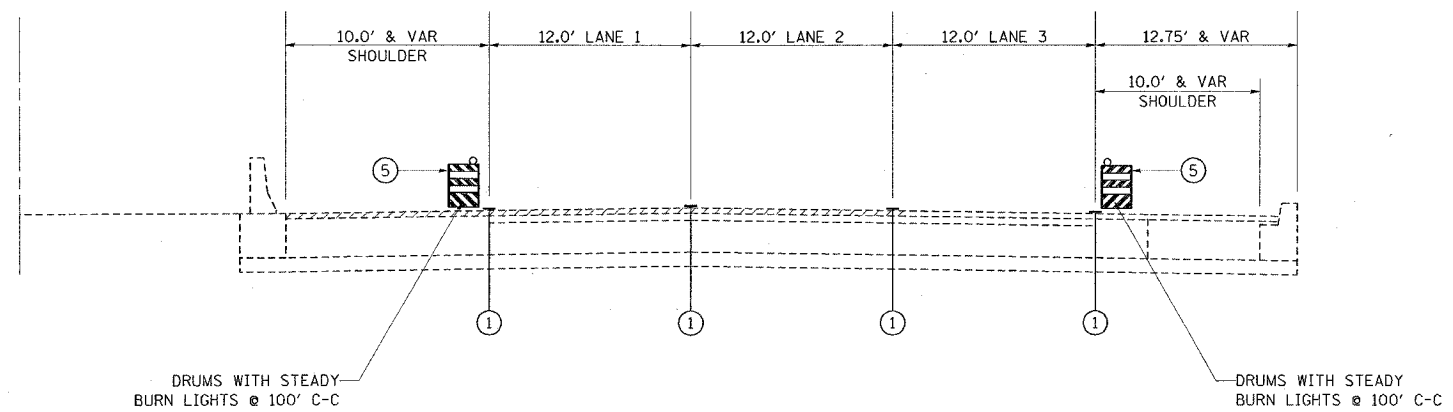
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2/8/2006
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|-----------------------------------|---------|----------|------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | | COOK | 81 | 79 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

62746

SYM. ABOUT $\text{\textcircled{C}}$ (TYP)



OPERATION ONE
MILL (1 $\frac{3}{4}$ "') LANES 1, 2, 3, & MILL (1 $\frac{1}{2}$ "') BOTH SHOULDERS

LEGEND

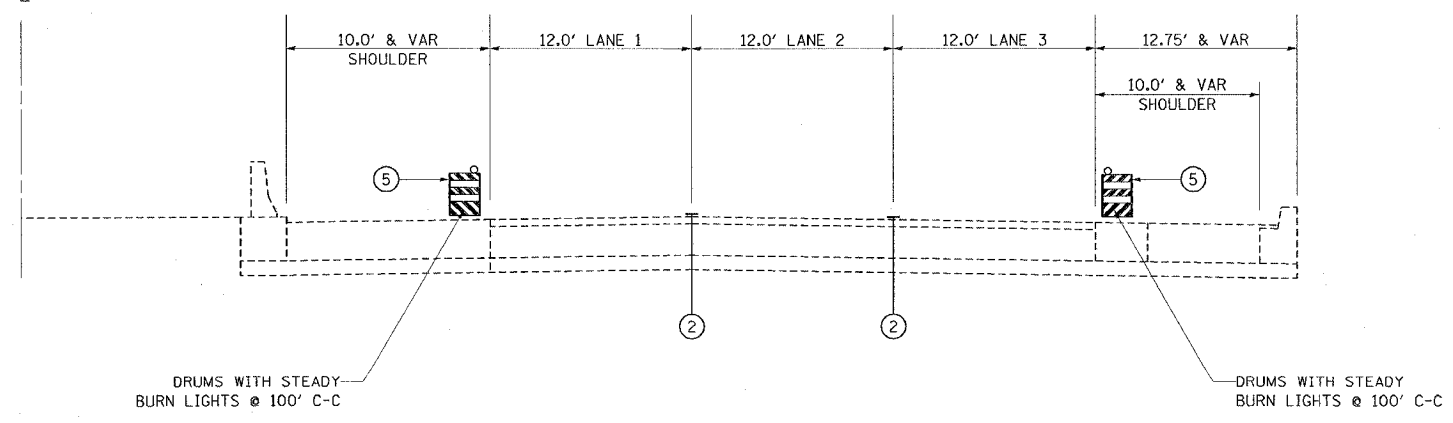
- ① EXISTING PAVEMENT MARKING
- ② EPOXY PAVEMENT MARKING, LINE 5" (10' DASH - 30' SKIP)
- ③ PERMANENT PAVEMENT MARKING
- ④ DRUMS @ 100' C-C

- BITUMINOUS SURFACE REMOVAL (1 $\frac{3}{4}$ "')
- PROPOSED BITUMINOUS BINDER COURSE (1 $\frac{3}{4}$ "')
- PROPOSED BITUMINOUS SURFACE COURSE (1 $\frac{3}{4}$ "')

NOTES:

1. GRADE DIFFERENTIAL BETWEEN LANES SHALL NOT EXCEED 1 $\frac{3}{4}$ "
2. SEE DETAIL TC-12 (SHEET 65 & 66) FOR PAVEMENT MARKING AT GORE AREAS.
3. REMOVAL OF TEMPORARY PAVEMENT MARKING WHEN REQUIRED SHALL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL.

SYM. ABOUT $\text{\textcircled{C}}$ (TYP)



OPERATION TWO
PATCH LANES 1,2 & 3

| REVISIONS | |
|-----------|------|
| NAME | DATE |
| | |
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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 90
SEQUENCE
OF OPERATIONS

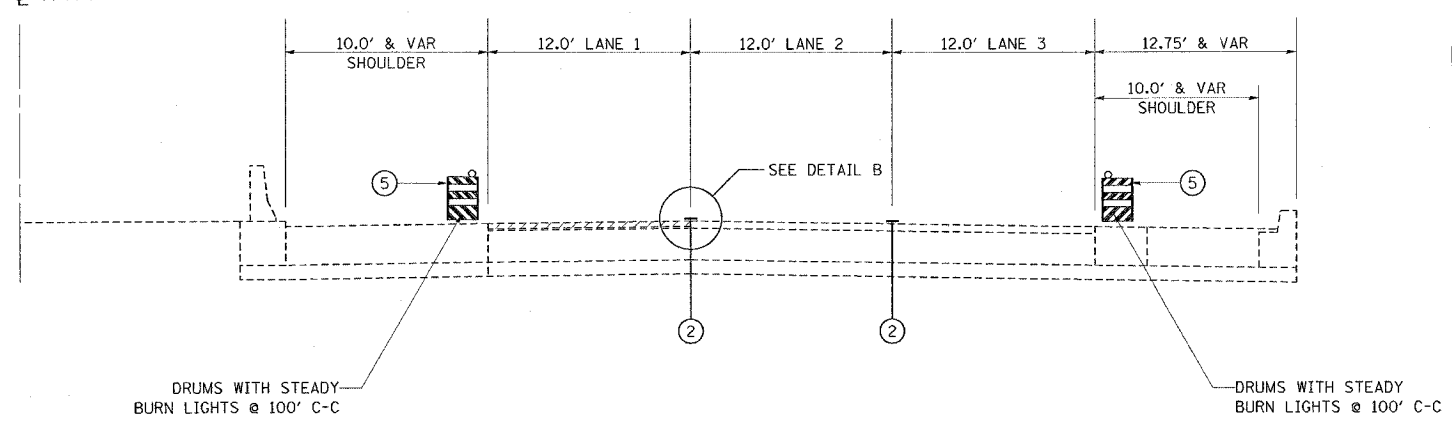
SCALE: VERT. NONE
HORIZ. DATE 2/8/2006

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CHECKED BY

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|-----------------------------------|---------|----------|------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | • | COOK | 81 | 80 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

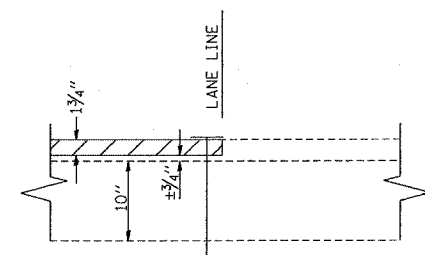
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SYM. ABOUT \uparrow (TYP)

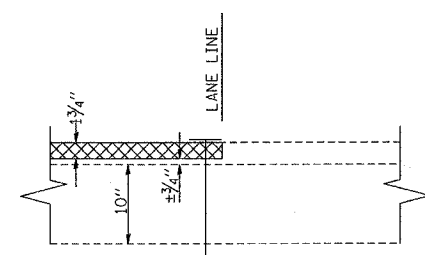


OPERATION THREE
MILL (1 3/4") LANES 1, 2, & 3

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



DETAIL B (1 3/4" MILLING)



DETAIL B (1 3/4" BINDER)

LEGEND

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

NOTES:

1. GRADE DIFFERENTIAL BETWEEN LANES SHALL NOT EXCEED 1/4"
2. SEE DETAIL TC-12 (SHEET 65 & 66) FOR PAVEMENT MARKING AT GORE AREAS.
3. REMOVAL OF TEMPORARY PAVEMENT MARKING WHEN REQUIRED SHALL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL.

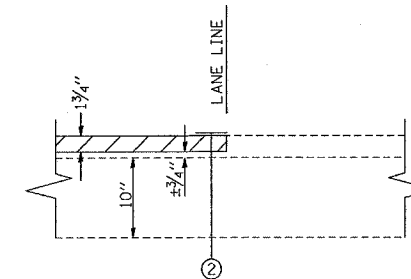
| REVISIONS | | ILLINOIS DEPARTMENT OF TRANSPORTATION |
|----------------------------------|------|--|
| NAME | DATE | |
| | | F.A.I. ROUTE 90 SEQUENCE OF OPERATIONS |
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| SCALE: VERT. NONE HORIZ. NONE | | DRAWN BY |
| DATE 2/8/2006 | | CHECKED BY |

2/8/2006
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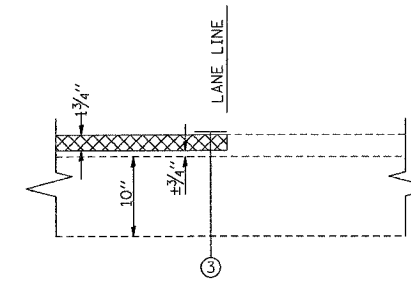
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|-----------------------------------|---------|----------|------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90 | | COOK | 81 | 81 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT | |
| • (1012, 1214, 1415, & 1517) RS-3 | | | | |

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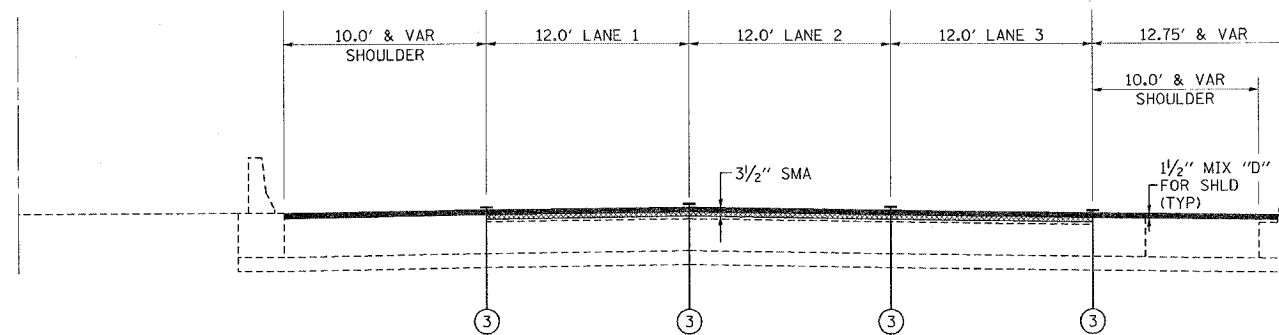


DETAIL B (1 3/4" MILLING)



DETAIL B (1 3/4" BINDER)

SYM. ABOUT ϕ (TYP)



OPERATION FOUR
COMPLETE BITUMINOUS SURFACING OPERATIONS

LEGEND

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

NOTES:

1. GRADE DIFFERENTIAL BETWEEN LANES SHALL NOT EXCEED 1 3/4"
2. SEE DETAIL TC-12 (SHEET 65 & 66) FOR PAVEMENT MARKING AT GORE AREAS.
3. REMOVAL OF TEMPORARY PAVEMENT MARKING WHEN REQUIRED SHALL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL.

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

| REVISIONS | | ILLINOIS DEPARTMENT OF TRANSPORTATION |
|-----------|------|--|
| NAME | DATE | |
| | | F.A.I. ROUTE 90 SEQUENCE OF OPERATIONS |
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| | | |

SCALE: VERT. NONE
HORIZ. DATE 2/8/2006

DRAWN BY
CHECKED BY