

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

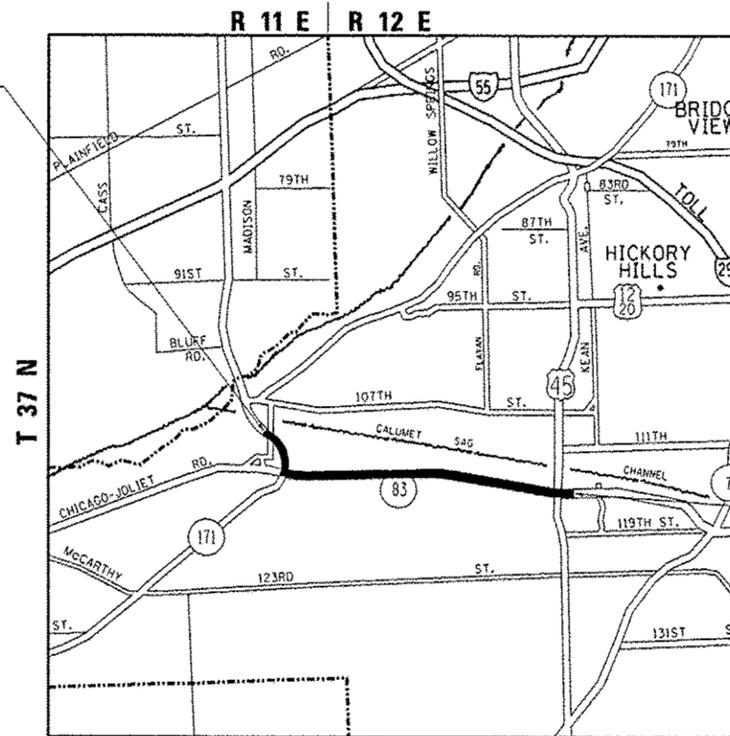
FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED WITHIN
THE VILLAGE OF LEMONT AND
UNINCORPORATED LEMONT AND PALOS
TOWNSHIPS

FAP 344: ILL 83/IL171
DUPAGE COUNTY LINE TO US 45
SECTION: (525-1&3114)RS-3
RESURFACING
COOK COUNTY
C-91-040-13

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|------------------|--------------------|--------------|-----------|
| 344 | (525-1&3114)RS-3 | COOK | 31 | 1 |
| FED. ROAD DIST. NO. | ILLINOIS | CONTRACT NO. 60V62 | | |

D -91-040-13



PROJECT BEGINS
STA. 73+91

OMISSION
STA. 220+89 TO
STA. 222+10

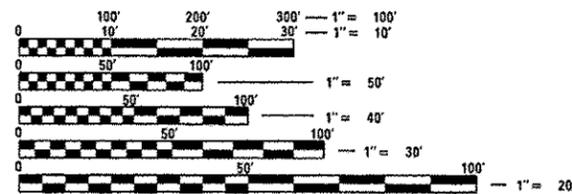
OMISSION
STA. 293+07 TO
STA. 294+95

TRAFFIC DATA

2011 ADT = 28,600
POSTED SPEED LIMIT = 45 MPH TO 55 MPH



PROJECT ENDS
STA. 305+24



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
OR 811

PROJECT ENGINEER JENPAI CHANG (847) 705-4432

PROJECT MANAGER KEN ENG (847) 705-4247

CONTRACT NO. 60V62

GROSS LENGTH OF PROJECT = 23,133 LINEAL FEET = 4.38 MILE

NET LENGTH OF PROJECT = 22,824 LINEAL FEET = 4.32 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED May 8 2014
John F. ...
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 27 2014
John D. Baranzelli, PE, Inc.
ENGINEER OF DESIGN AND ENVIRONMENT

June 27 2014
Omer Osman, PE, Inc.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

| SHEET NO. | DESCRIPTION |
|-----------|---|
| 1 | COVER SHEET |
| 2 | INDEX OF SHEETS, STANDARDS, AND GENERAL NOTES |
| 3-5 | SUMMARY OF QUANTITIES |
| 6-7 | EXISTING & PROPOSED TYPICAL SECTIONS |
| 8-16 | ROADWAY & PAVEMENT MARKINGS PLANS |
| 17-20 | DETECTOR LOOP REPLACEMENT PLANS |
| 21 | DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8) |
| 22 | PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22) |
| 23 | CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24) |
| 24 | BUTT JOINT AND HMA TAPER DETAILS (BD-32) |
| 25 | TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10) |
| 26 | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11) |
| 27 | DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13) |
| 28 | TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TC REMAIN OPEN TO TRAFFIC) (TC-14) |
| 29 | PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16) |
| 30 | ARTERIAL ROAD INFORMATION SIGN (TC-22) |
| 31 | DISTRICT ONE DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07) |

LIST OF STATE STANDARDS

| STANDARD NO. | DESCRIPTION |
|--------------|---|
| 000C01-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 442201-03 | CLASS C AND D PATCHES |
| 604001-03 | FRAME AND LIDS, TYPE 1 |
| 606001-05 | COMBINATION CONCRETE CURB AND GUTTER |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701306-03 | LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH |
| 701311-03 | LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY |
| 701426-06 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS >= 45 MPH |
| 701601-09 | URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN |
| 701602-07 | URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE |
| 701606-09 | LANE CLOSURE, MULTILANE, 2-W, WITH MOUNTABLE MEDIAN |
| 701701-09 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701901-03 | TRAFFIC CONTROL DEVICES |
| 886001-01 | DETECTOR LOOP INSTALLATION |
| 886006-01 | TYPICAL LAYOUT FOR DETECTOR LOOPS |

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF LEMONT AND UNINCORPORATED LEMONT AND PALOS TOWNSHIPS.

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

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 (45 KM/H) OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (45 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

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

THE RESIDENT ENGINEER SHALL CONTACT MS. PATRICE HARRIS AREA TRAFFIC FIELD ENGINEER AT (708) 597-9800 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING.

THE RESIDENT ENGINEER SHALL VERIFY ALL EXISTING PAVEMENT MARKINGS BEFORE MILLING.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS

DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING, EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

CLEANING AND BLOWING OF DEBRIS WITHIN CRACKS SHALL BE INCLUDED IN THE BID PRICE FOR THE PAY ITEM MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS.

| | | | | | | | | | | |
|--------------------------------|----------------|-------------|--------------------|---|--|-------------------|-------------------------|--------------|---|------------|
| FILE NAME: 0313-chn-pln-07.dgn | USER NAME: chn | DESIGNED: - | REVISED: - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | INDEX OF SHEETS, LIST OF STATE STANDARDS & GENERAL NOTES ILL 83 / ILL 171 | F.A.P. RTE.: | SECTION: | COUNTY: | TOTAL SHEETS: | SHEET NO.: |
| PLOT SCALE: 100.0000 1/2 in. | CHECKED: - | REVISOR: - | 344 | | | (S25-18.3114)RS-3 | COOK | 31 | 2 | |
| PLOT DATE: 5/29/2014 | DATE: - | REVISOR: - | CONTRACT NO. 60V62 | | | | | | | |
| | | | | | | SCALE: 1"=50' | SHEET NO. 1 OF 1 SHEETS | STA. TO STA. | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | |

URBAN

URBAN

| SUMMARY OF QUANTITIES | | | | CONSTRUCTION TYPE CODE | | | | | SUMMARY OF QUANTITIES | | | | CONSTRUCTION TYPE CODE | | | | |
|-----------------------|---|-------|------------------|-------------------------|--|--|--|--|-----------------------|--|--------|------------------|-------------------------|--|--|--|--|
| CODE NO | ITEM | UNIT | TOTAL QUANTITIES | ROADWAY 100% STATE 0005 | | | | | CODE NO | ITEM | UNIT | TOTAL QUANTITIES | ROADWAY 100% STATE 0005 | | | | |
| X4060110 | BITUMINOUS MATERIALS (PRIME COAT) | POUND | 50553 | 50553 | | | | | 44002228 | HOT-MIX ASPHALT REMOVAL OVER PATCHES, 7" | SO YD | 1503 | 1503 | | | | |
| 40600400 | MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS | TON | 120 | 120 | | | | | 44201753 | CLASS D PATCHES, TYPE II, 9 INCH | SO YD | 128 | 128 | | | | |
| 40600827 | POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4, 75, N50 | TON | 3669 | 3669 | | | | | 44201757 | CLASS D PATCHES, TYPE III, 9 INCH | SO YD | 162 | 162 | | | | |
| 40600895 | CONSTRUCTING TEST STRIP | EACH | 2 | 2 | | | | | 44201759 | CLASS D PATCHES, TYPE IV, 9 INCH | SO YD | 1076 | 1076 | | | | |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SO YD | 398 | 398 | | | | | 48101200 | AGGREGATE SHOULDERS, TYPE B | TON | 3463 | 3463 | | | | |
| 40601005 | HOT-MIX ASPHALT REPLACEMENT OVER PATCHES | TON | 590 | 590 | | | | | 48102100 | AGGREGATE WEDGE SHOULDER, TYPE B | TON | 169 | 169 | | | | |
| 40603595 | POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 | TON | 10689 | 10689 | | | | | # 63000001 | STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS | FOOT | 362.5 | 362.5 | | | | |
| 42001300 | PROTECTIVE COAT | SO YD | 400 | 400 | | | | | # 63100070 | TRAFFIC BARRIER TERMINAL, TYPE 5 | EACH | 1 | 1 | | | | |
| 44000156 | HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4" | SO YD | 12363 | 12363 | | | | | 63200310 | GUARDRAIL REMOVAL | FOOT | 362.5 | 362.5 | | | | |
| 44000159 | HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" | SO YD | 86354 | 86354 | | | | | 63500105 | DELINEATORS | EACH | 52 | 52 | | | | |
| | | | | | | | | | 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 6 | 6 | | | | |
| | | | | | | | | | 67100100 | MOBILIZATION | L SUM | 1 | 1 | | | | |
| | | | | | | | | | 70100460 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701306 | L SUM | 1 | 1 | | | | |
| | | | | | | | | | 70102625 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701606 | L SUM | 1 | 1 | | | | |

SPECIALITY ITEMS

| | | | | | | | | | | | | | | | | |
|-----------|-----------|----------|---------|---|--|--|--|--|--|--|--|---|-----------------|--------|--------------|-----------|
| FILE NAME | USER NAME | DESIGNED | REVISED | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | | | | ILL 83 /ILL 171 SUMMARY OF QUANTITIES | | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN | REVISED | | | | | | | | | 344 | 1525-183114RS-3 | COOK | 31 | 3 |
| | | CHECKED | REVISED | | | | | | | | | CONTRACT NO. 60V62 | | | | |
| | | DATE | REVISED | | | | | | | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

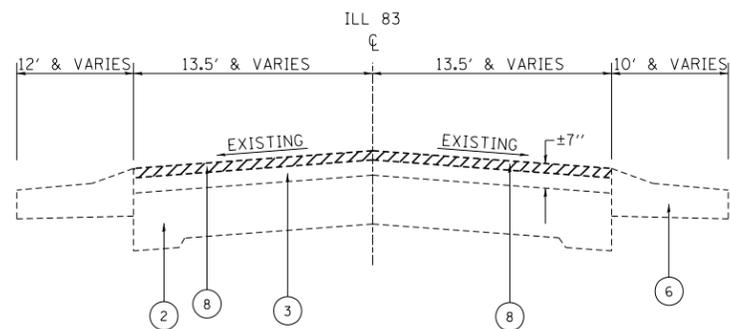
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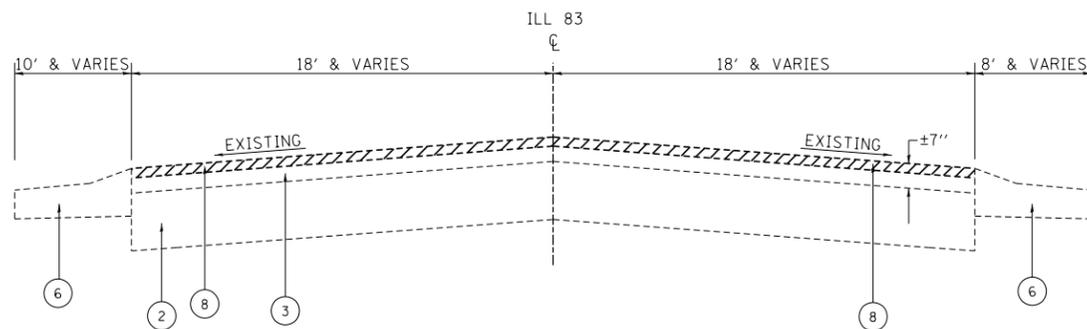
| SUMMARY OF QUANTITIES | | | | CONSTRUCTION TYPE CODE | | | | | SUMMARY OF QUANTITIES | | | | CONSTRUCTION TYPE CODE | | | | |
|-----------------------|--|-------|------------------|------------------------|--|--|--|--|-----------------------|--|------|------------------|------------------------|--|--|--|--|
| CODE NO | ITEM | UNIT | TOTAL QUANTITIES | ROADWAY | | | | | CODE NO | ITEM | UNIT | TOTAL QUANTITIES | ROADWAY | | | | |
| | | | | 100% STATE 0005 | | | | | | | | | 100% STATE 0005 | | | | |
| 70102630 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701601 | L SUM | 1 | 1 | | | | | #78000400 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" | FOOT | 3070 | 3070 | | | | |
| 70102632 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701602 | L SUM | 1 | 1 | | | | | #78000500 | THERMOPLASTIC PAVEMENT MARKING - LINE 8" | FOOT | 1339 | 1339 | | | | |
| 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 | L SUM | 1 | 1 | | | | | #78000600 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" | FOOT | 794 | 794 | | | | |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 20547 | 20547 | | | | | #78000650 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" | FOOT | 570 | 570 | | | | |
| 70300210 | TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS | SO FT | 947 | 947 | | | | | #78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 1339 | 1339 | | | | |
| 70300220 | TEMPORARY PAVEMENT MARKING - LINE 4" | FOOT | 33225 | 33225 | | | | | #78201000 | TERMINAL MARKER - DIRECT APPLIED | EACH | 3 | 3 | | | | |
| 70300240 | TEMPORARY PAVEMENT MARKING - LINE 6" | FOOT | 3070 | 3070 | | | | | 78300200 | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | EACH | 803 | 803 | | | | |
| 70300250 | TEMPORARY PAVEMENT MARKING - LINE 8" | FOOT | 1339 | 1339 | | | | | #88600600 | DETECTOR LOOP REPLACEMENT | FOOT | 2084 | 2084 | | | | |
| 70300260 | TEMPORARY PAVEMENT MARKING - LINE 12" | FOOT | 794 | 794 | | | | | X2020110 | GRADING AND SHAPING SHOULDERS | UNIT | 323 | 323 | | | | |
| 70300280 | TEMPORARY PAVEMENT MARKING - LINE 24" | FOOT | 570 | 570 | | | | | X5538000 | STORM SEWERS TO BE CLEANED 18" | FOOT | 1560 | 1560 | | | | |
| 70301000 | WORK ZONE PAVEMENT MARKING REMOVAL | SO FT | 6849 | 6849 | | | | | X6030310 | FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) | EACH | 2 | 2 | | | | |
| #78000100 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS | SO FT | 947 | 947 | | | | | #X6310178 | TRAFFIC BARRIER TERMINAL, TYPE 4 (SPECIAL) | EACH | 1 | 1 | | | | |
| #78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | FOOT | 33225 | 33225 | | | | | | | | | | | | | |

• SPECIALITY ITEMS

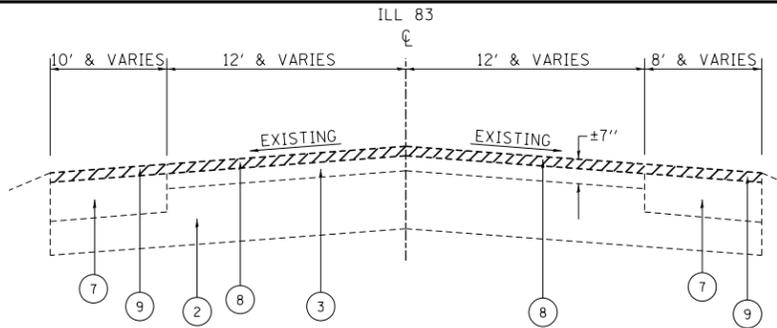
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| FILE NAME | USER NAME | DESIGNED | REVISOR | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | | | | ILL 83 / ILL 171 SUMMARY OF QUANTITIES | | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| | | DRAWN | REVISOR | | | | | | | | | 344 | (525-1&3114RS-3 | COOK | 31 | 4 | |
| | | CHECKED | REVISOR | | | | | | | | | SCALE: 1" = 40' | | SHEET NO. 1 OF 1 SHEETS | | STA. | TO STA. |
| | | DATE | REVISOR | | | | | | | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | |



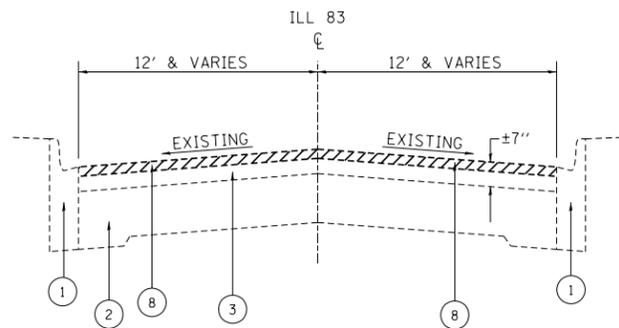
EXISTING TYPICAL SECTION
STA. 92+42 TO STA. 167+00
STA. 173+22 TO STA. 213+36
STA. 224+65 TO STA. 233+69
STA. 246+83 TO STA. 268+49



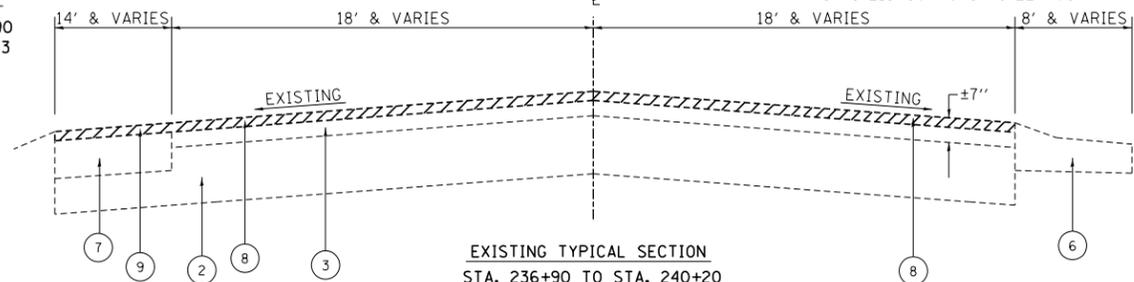
EXISTING TYPICAL SECTION
STA. 233+69 TO STA. 236+90
STA. 240+20 TO STA. 246+83



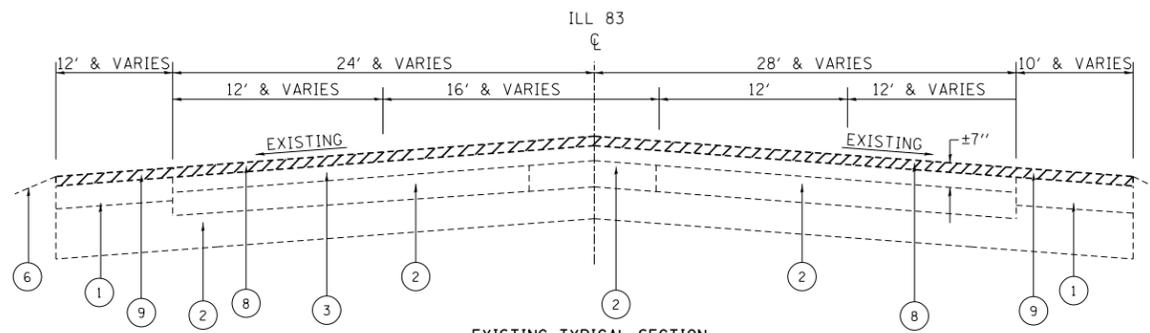
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STA. 213+36 TO STA. 224+65



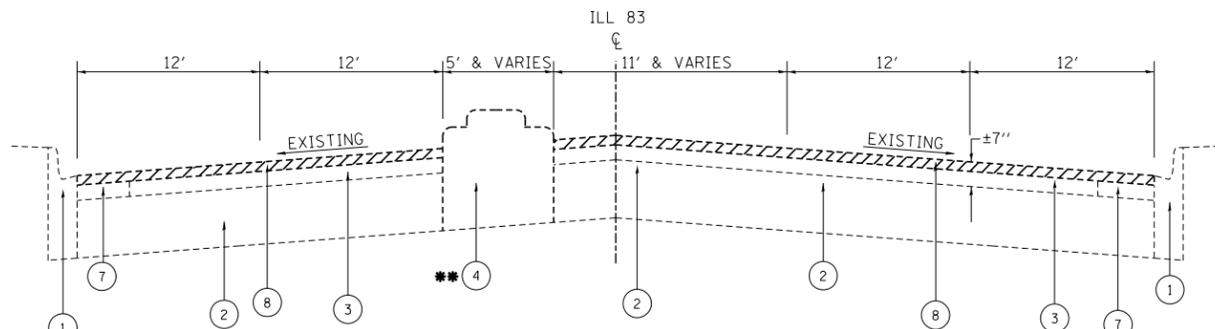
EXISTING TYPICAL SECTION
STA. 167+00 TO STA. 173+22



EXISTING TYPICAL SECTION
STA. 236+90 TO STA. 240+20



EXISTING TYPICAL SECTION
STA. 268+49 TO STA. 305+24



EXISTING TYPICAL SECTION
STA. 73+91 TO STA. 92+42

LEGEND

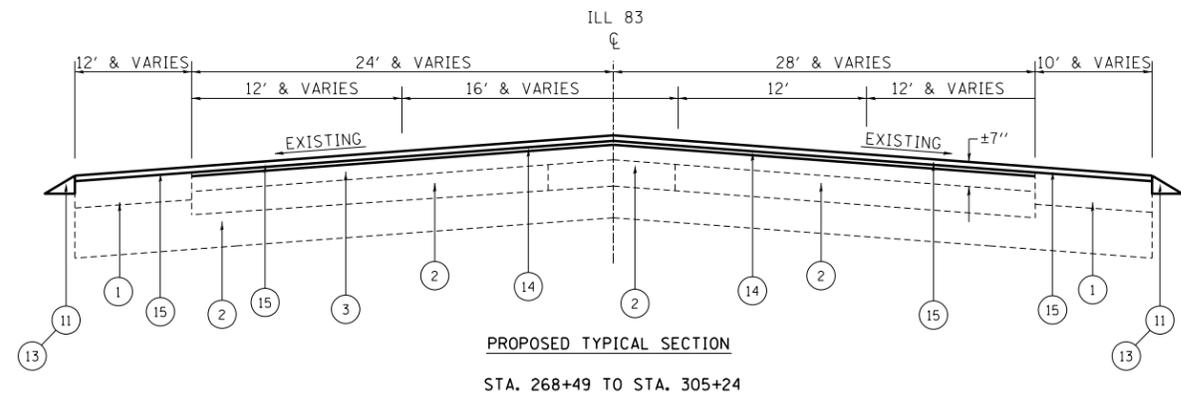
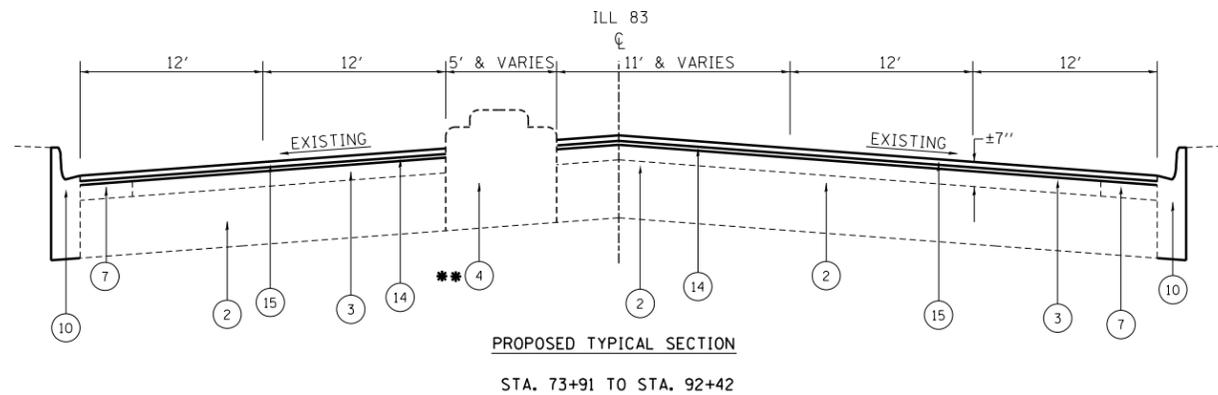
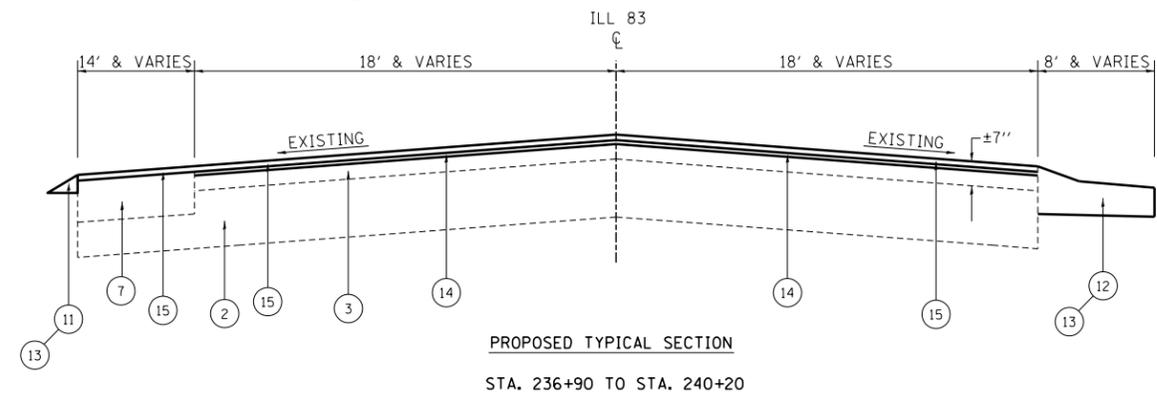
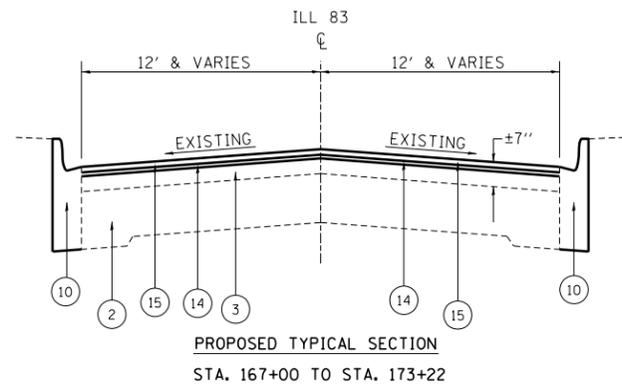
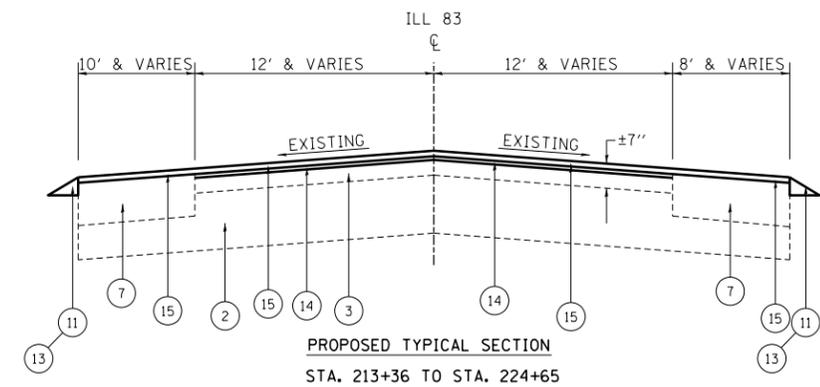
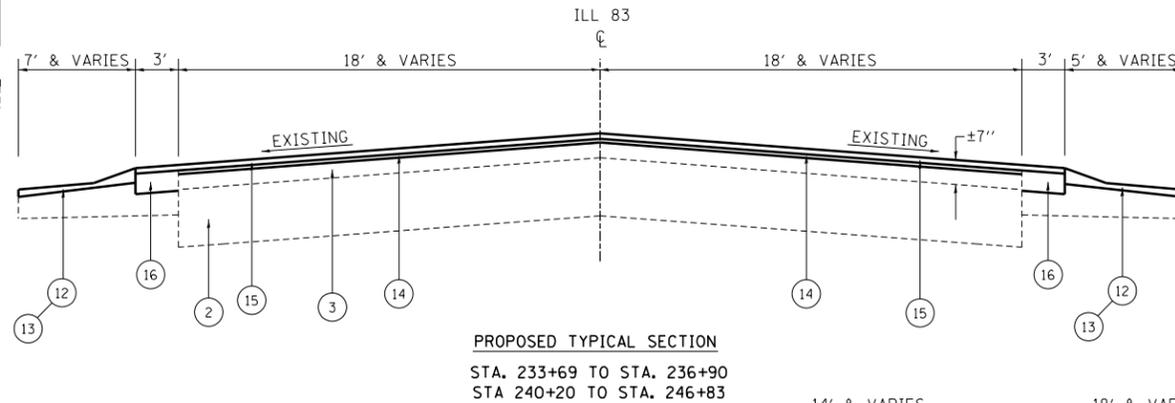
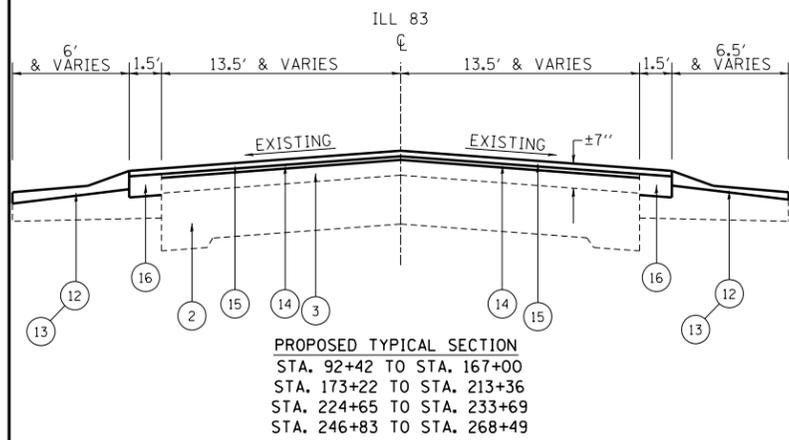
1. EXISTING COMBINATION CONCRETE CURB AND GUTTER
2. EXISTING P.C. CONCRETE PAVEMENT ± 10"
3. EXISTING HMA SURFACE COURSE ± 7"
4. EXISTING P.C.C. BARRIER MEDIAN
- **5. EXISTING P.C.C. CORRUGATED MEDIAN (STA. 73+91 TO STA. 74+60)
6. EXISTING AGGREGATE OR GRASS SHOULDER
7. EXISTING PAVEMENT WIDENING
8. PROPOSED HMA SURFACE REMOVAL, 2 1/2"
9. PROPOSED HMA SURFACE REMOVAL, 1 3/4"
10. PROPOSED COMBINATION CONCRETE CURB AND GUTTER
11. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
12. PROPOSED AGGREGATE SHOULDERS, TYPE B
13. PROPOSED GRADING AND SHAPING SHOULDERS (WHERE NECESSARY)
14. PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
15. PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 1 3/4"
16. PROPOSED HOT-MIX ASPHALT SHOULDER, 6 1/4"

NOTE

THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING

| HOT-MIX ASPHALT MIXTURE REQUIREMENTS | | QUALITY MANAGEMENT PROGRAM (QMP) |
|---|---------------------|----------------------------------|
| MIXTURE TYPE | AIR VOIDS(%) @ Ndes | |
| PAVEMENT RESURFACING | | |
| POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL 9.5 mm) | 4% @ 90 GYR. | PFP |
| POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50 | 3.5% @ 50 GYR. | OCP |
| PATCHING | | |
| CLASS D PATCHES (HMA BINDER IL-19 mm) | 4% @ 70 GYR. | QC/OA |
| HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm) | 4% @ 70 GYR. | QC/OA |
| SHOULDERS | | |
| POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL 9.5 mm) | 4% @ 90 GYR. | PFP |
| HOT-MIX ASPHALT SHOULDER, 6 1/4" (HMA BINDER IL-19.0) | 4% @ 50 GYR. | OCP |
| QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (OCP); PAY FOR PERFORMANCE (PFP) | | |

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.
QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE



LEGEND

1. EXISTING COMBINATION CONCRETE CURB AND GUTTER
2. EXISTING P.C. CONCRETE PAVEMENT ± 10"
3. EXISTING HMA SURFACE COURSE ± 7"
4. EXISTING P.C.C. BARRIER MEDIAN
- **5. EXISTING P.C.C. CORRUGATED MEDIAN (STA. 73+91 TO STA. 74+60)
6. EXISTING AGGREGATE OR GRASS SHOULDER
7. EXISTING PAVEMENT WIDENING
8. PROPOSED HMA SURFACE REMOVAL, 2 1/2"
9. PROPOSED HMA SURFACE REMOVAL, 1 3/4"
10. PROPOSED COMBINATION CONCRETE CURB AND GUTTER
11. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
12. PROPOSED AGGREGATE SHOULDERS, TYPE B
13. PROPOSED GRADING AND SHAPING SHOULDERS (WHERE NECESSARY)
14. PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
15. PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 1 3/4"
16. PROPOSED HOT-MIX ASPHALT SHOULDER, 6 1/4"

NOTE

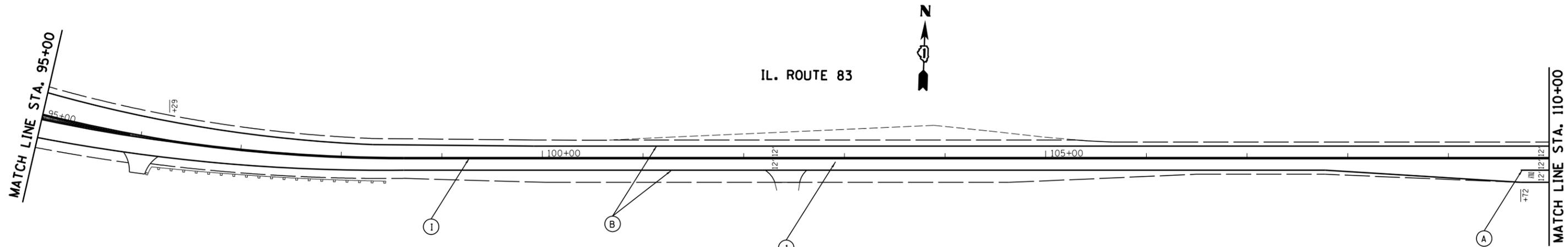
THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING

| | | | |
|---|-----------------------|------------|-----------|
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| ca:\pw\work\p1dot\qureshiya\d0315843\010013-sh-t-plan.dgn | | DRAWN - | REVISED - |
| PLOT SCALE = 100.0002' / 1" | | CHECKED - | REVISED - |
| PLOT DATE = 5/20/2014 | | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

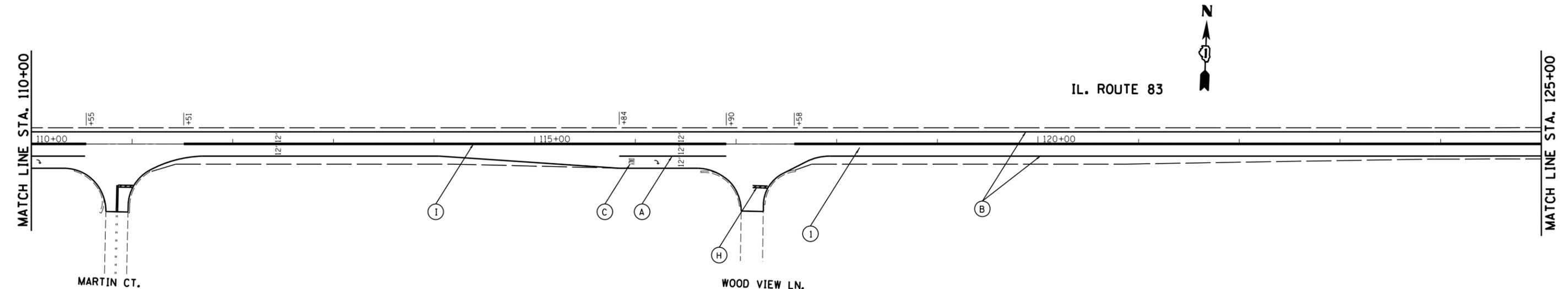
| | | |
|---|-------------------------|--------------|
| ILL 83 /ILL 171 | | |
| EXISTING & PROPOSED TYPICAL SECTIONS | | |
| SCALE: | SHEET NO. 1 OF 1 SHEETS | STA. TO STA. |

| | | | | |
|---|------------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 344 | (525-1&3114)RS-3 | COOK | 31 | 7 |
| CONTRACT NO.60V62 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



- (A) PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", YELLOW (TYP.)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (G) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, YELLOW (TYP.)
- (H) PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
- (J) PROP. THERMOPLASTIC PAVEMENT SOLID AND SKIP-DASH MARKING-LINES 4" @ 5 1/2" C-C, YELLOW (TYP.)
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

(1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROP. POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 1 3/4"
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"



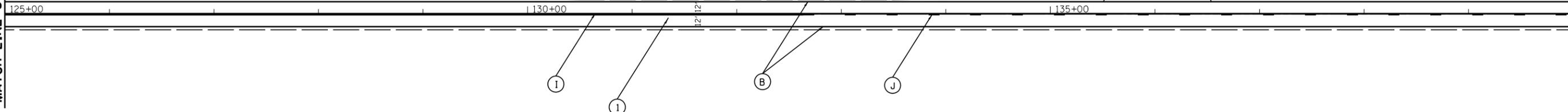
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|-------------|--|------------|-----------|---|---|---------------------------|------------------|--------|--------------|-----------|--|
| FILE NAME = | USER NAME = qureshiya | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ILL 83 /ILL 171 ROADWAY & PAVEMENT MARKING PLANS | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| Default | ca:\pw_work\pwidot\qureshiya\d0315843\1010013-shr-plan.dgn | DRAWN - | REVISED - | | | 344 | (525-1&3114)RS-3 | COOK | 31 | 9 | |
| | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - | | | CONTRACT NO. 60V62 | | | | | |
| | PLOT DATE = 5/20/2014 | DATE - | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | | |

SCALE: 1" = 50' SHEET 2 OF 9 SHEETS STA. 95+00 TO STA. 125+00

MATCH LINE STA. 125+00

MATCH LINE STA. 140+00

IL. ROUTE 83 (CALUMET SAG RD.)



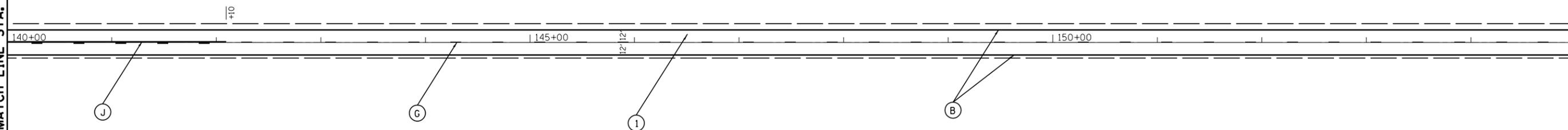
- (A) PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", YELLOW (TYP.)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (G) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, YELLOW (TYP.)
- (H) PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
- (J) PROP. THERMOPLASTIC PAVEMENT SOLID AND SKIP-DASH MARKING-LINES 4" @ 5 1/2" C-C, YELLOW (TYP.)
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROP. POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 1 3/4"
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

MATCH LINE STA. 140+00

MATCH LINE STA. 155+00

IL. ROUTE 83



| | | | |
|---|------------------------------|------------|-----------|
| FILE NAME = | USER NAME = qureshiya | DESIGNED - | REVISED - |
| ca:\pwwork\pwwork\qureshiya\0315843\010\013-sh-t-plan.dgn | | DRAWN - | REVISED - |
| Default | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 5/20/2014 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 83 / ILL 171
ROADWAY & PAVEMENT MARKING PLANS

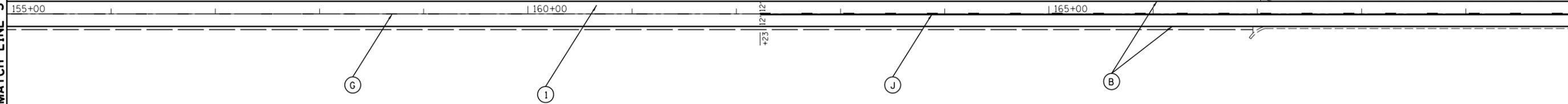
SCALE: 1" = 50' SHEET 3 OF 9 SHEETS STA. 125+00 TO STA. 155+00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------------|--------|---------------------------|-----------|
| 344 | (525-1&3114)RS-3 | COOK | 31 | 10 |
| CONTRACT NO. 60V62 | | | ILLINOIS FED. AID PROJECT | |

MATCH LINE STA. 155+00

MATCH LINE STA. 170+00

IL. ROUTE 83

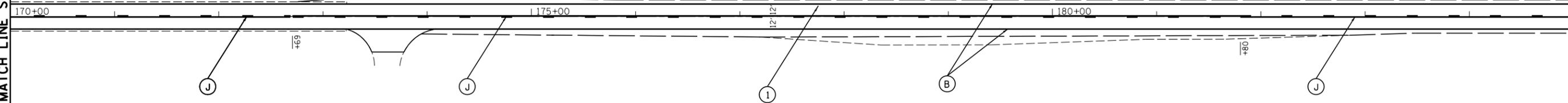


- (A) PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
 - (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
 - (C) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
 - (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
 - (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", YELLOW (TYP.)
 - (F) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
 - (G) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, YELLOW (TYP.)
 - (H) PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
 - (I) PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
 - (J) PROP. THERMOPLASTIC PAVEMENT SOLID AND SKIP-DASH MARKING-LINES 4" @ 5 1/2" C-C, YELLOW (TYP.)
 - (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)
- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROP. POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 1 3/4"
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

MATCH LINE STA. 170+00

MATCH LINE STA. 185+00

IL. ROUTE 83



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|---|------------------------------|------------|-----------|
| FILE NAME = | USER NAME = qureshiye | DESIGNED - | REVISED - |
| ca:\pwwork\pwwork\qureshiye\0315843\1013-sht-plan.dgn | | DRAWN - | REVISED - |
| Default | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 5/20/2014 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 83 /ILL 171
ROADWAY & PAVEMENT MARKING PLANS

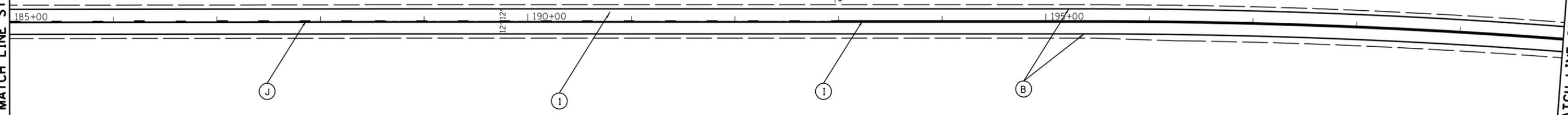
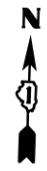
SCALE: 1" = 50' SHEET 4 OF 9 SHEETS STA. 155+00 TO STA. 185+00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------------|--------|--------------|-----------|
| 344 | (525-1&3114)RS-3 | COOK | 31 | 11 |
| CONTRACT NO. 60V62 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

MATCH LINE STA. 185+00

MATCH LINE STA. 200+00

IL. ROUTE 83



- (A) PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", YELLOW (TYP.)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (G) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, YELLOW (TYP.)
- (H) PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
- (J) PROP. THERMOPLASTIC PAVEMENT SOLID AND SKIP-DASH MARKING-LINES 4" @ 5 1/2" C-C, YELLOW (TYP.)
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

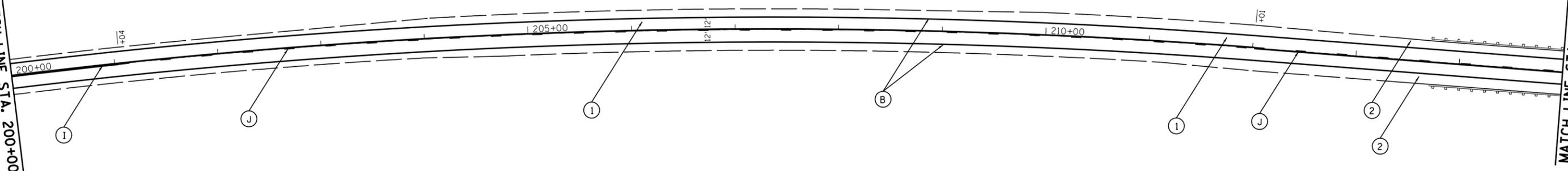
- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
PROP. POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 1 3/4"
PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (2) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 1 3/4"

IL. ROUTE 83



MATCH LINE STA. 200+00

MATCH LINE STA. 215+00



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| FILE NAME = | USER NAME = qureshiya | DESIGNED - | REVISED - |
| ca:\pwork\pwork\pwork\qureshiya\0315843\1013-sht-plan.dgn | | DRAWN - | REVISED - |
| Default | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 5/20/2014 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL 83 / ILL 171
ROADWAY & PAVEMENT MARKING PLANS**

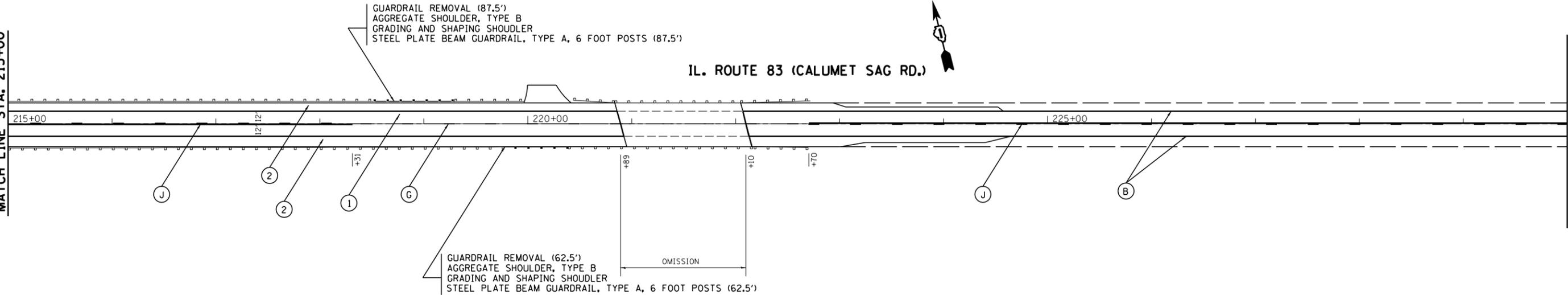
SCALE: 1" = 50' SHEET 5 OF 9 SHEETS STA. 185+00 TO STA. 215+00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------------|--------|--------------|-----------|
| 344 | (525-1&3114)RS-3 | COOK | 31 | 12 |
| CONTRACT NO. 60V62 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

MATCH LINE STA. 215+00

MATCH LINE STA. 230+00

IL. ROUTE 83 (CALUMET SAG RD.)



- (A) PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", YELLOW (TYP.)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (G) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, YELLOW (TYP.)
- (H) PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
- (J) PROP. THERMOPLASTIC PAVEMENT SOLID AND SKIP-DASH MARKING-LINES 4" @ 5 1/2" C-C, YELLOW (TYP.)
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
PROP. POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 1 3/4"
PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (2) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 1 3/4"

MATCH LINE STA. 230+00

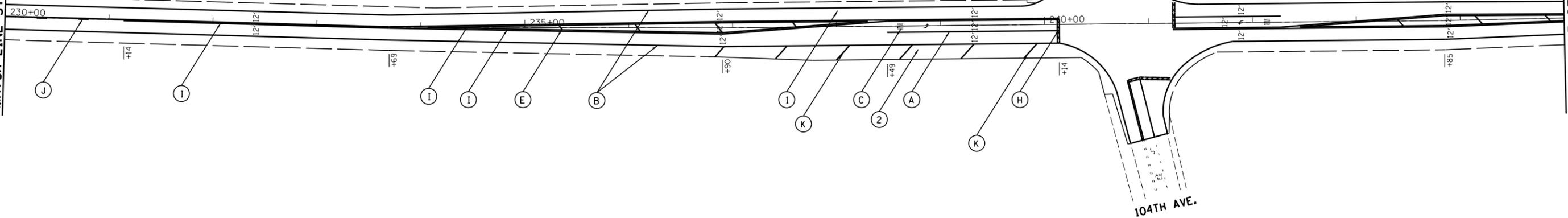
MATCH LINE STA. 245+00

IL. ROUTE 83



104TH AVE.

104TH AVE.



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| FILE NAME = | USER NAME = qureshiya | DESIGNED - | REVISED - |
| ca:\pwwork\pwwork\qureshiya\0315843\1013-sht-plan.dgn | | DRAWN - | REVISED - |
| Default | PLOT SCALE = 100.0000' / 1" = | CHECKED - | REVISED - |
| | PLOT DATE = 5/20/2014 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 83 / ILL 171
ROADWAY & PAVEMENT MARKING PLANS

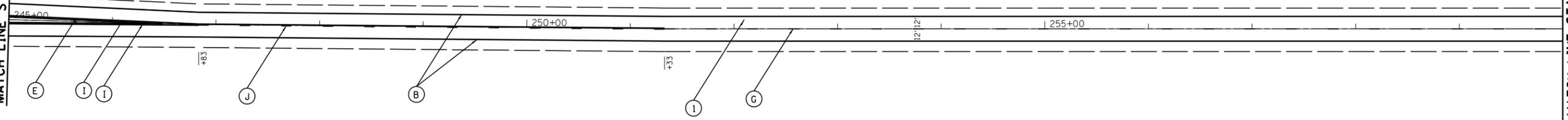
SCALE: 1" = 50' SHEET 6 OF 9 SHEETS STA. 215+00 TO STA. 245+00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------------|--------|---------------------------|-----------|
| 344 | (525-1&3114)RS-3 | COOK | 31 | 13 |
| CONTRACT NO. 60V62 | | | ILLINOIS FED. AID PROJECT | |

MATCH LINE STA. 245+00

MATCH LINE STA. 260+00

IL. ROUTE 83



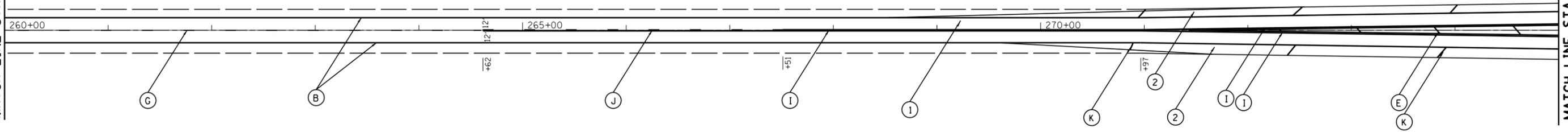
- (A) PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", YELLOW (TYP.)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (G) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, YELLOW (TYP.)
- (H) PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
- (J) PROP. THERMOPLASTIC PAVEMENT SOLID AND SKIP-DASH MARKING-LINES 4" @ 5 1/2" C-C, YELLOW (TYP.)
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
PROP. POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 1 3/4"
PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (2) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 1 3/4"

MATCH LINE STA. 260+00

MATCH LINE STA. 275+00

IL. ROUTE 83



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| FILE NAME = | USER NAME = qureshiye | DESIGNED - | REVISED - |
| ca:\pwwork\pwwork\qureshiye\0315843\01013-sht-plan.dgn | | DRAWN - | REVISED - |
| Default | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 5/20/2014 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 83 / ILL 171
ROADWAY & PAVEMENT MARKING PLANS

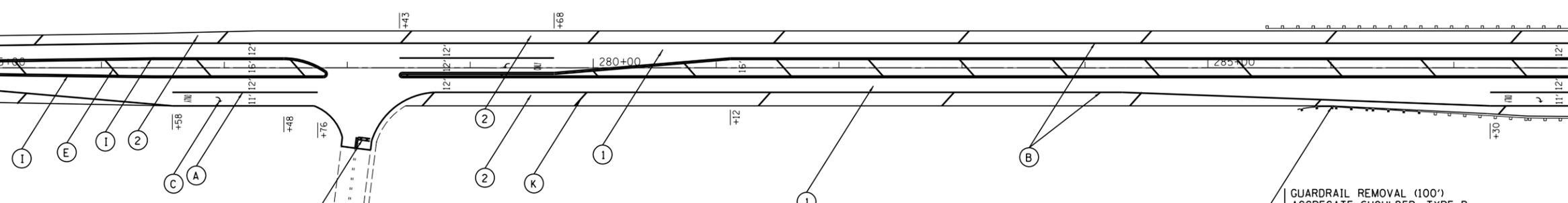
SCALE: 1" = 50' SHEET 7 OF 9 SHEETS STA. 245+00 TO STA. 275+00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------------|--------|---------------------------|-----------|
| 344 | (525-1&3114)RS-3 | COOK | 31 | 14 |
| CONTRACT NO. 60V62 | | | ILLINOIS FED. AID PROJECT | |

MATCH LINE STA. 275+00

IL. ROUTE 83 (CALUMET SAG RD.)

MATCH LINE STA. 288+00



- (A) PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", YELLOW (TYP.)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)

- (G) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, YELLOW (TYP.)
- (H) PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
- (J) PROP. THERMOPLASTIC PAVEMENT SOLID AND SKIP-DASH MARKING-LINES 4" @ 5 1/2" C-C, YELLOW (TYP.)
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)
- (L) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE (TYP.)

- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
PROP. POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 1 3/4"
PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (2) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 1 3/4"

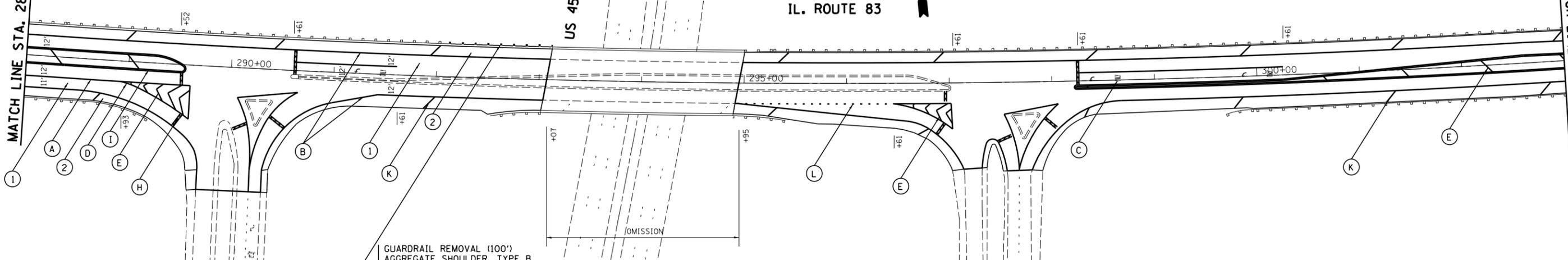
GUARDRAIL REMOVAL (100')
AGGREGATE SHOULDER, TYPE B
GRADING AND SHAPING SHOUDLER
STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (100')
TRAFFIC BARRIER TERMINAL, TYPE 4 (SPECIAL)

MATCH LINE STA. 288+00

US 45 (96TH AVE. / SOUTH LA

IL. ROUTE 83

MATCH LINE STA. 303+00



GUARDRAIL REMOVAL (100')
AGGREGATE SHOULDER, TYPE B
GRADING AND SHAPING SHOUDLER
STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (100')
TRAFFIC BARRIER TERMINAL, TYPE 5

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| FILE NAME = | USER NAME = qureshiya | DESIGNED - | REVISED - |
| ca:\pw\work\p\id\qureshiya\0315843\010\013-sh-t-plan.dgn | | DRAWN - | REVISED - |
| Default | PLOT SCALE = 100.0000' / 1" = | CHECKED - | REVISED - |
| | PLOT DATE = 5/20/2014 | DATE - | REVISED - |

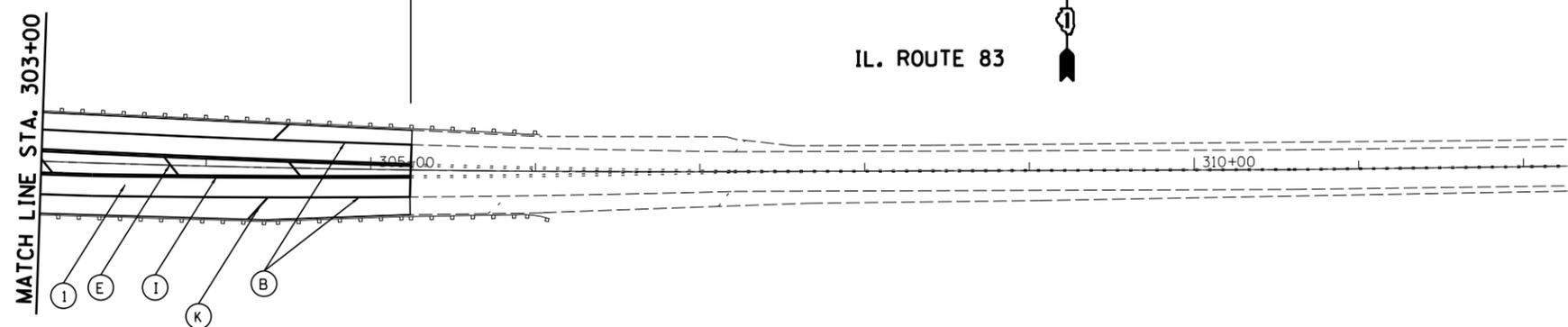
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL 83 / ILL 171
ROADWAY & PAVEMENT MARKING PLANS

SCALE: 1" = 50' SHEET 8 OF 8 SHEETS STA. 275+00 TO STA. 303+00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------------|--------|--------------|-----------|
| 344 | (525-1&3114)RS-3 | COOK | 31 | 15 |
| CONTRACT NO. 60V62 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

**IMPROVEMENT ENDS:
STA. 305 + 24**



① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROP. POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 1 3/4"
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

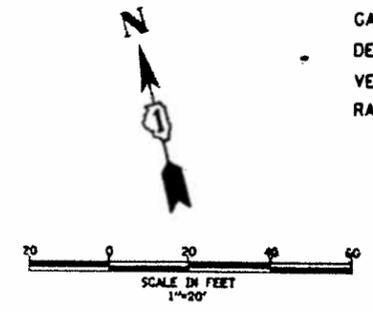
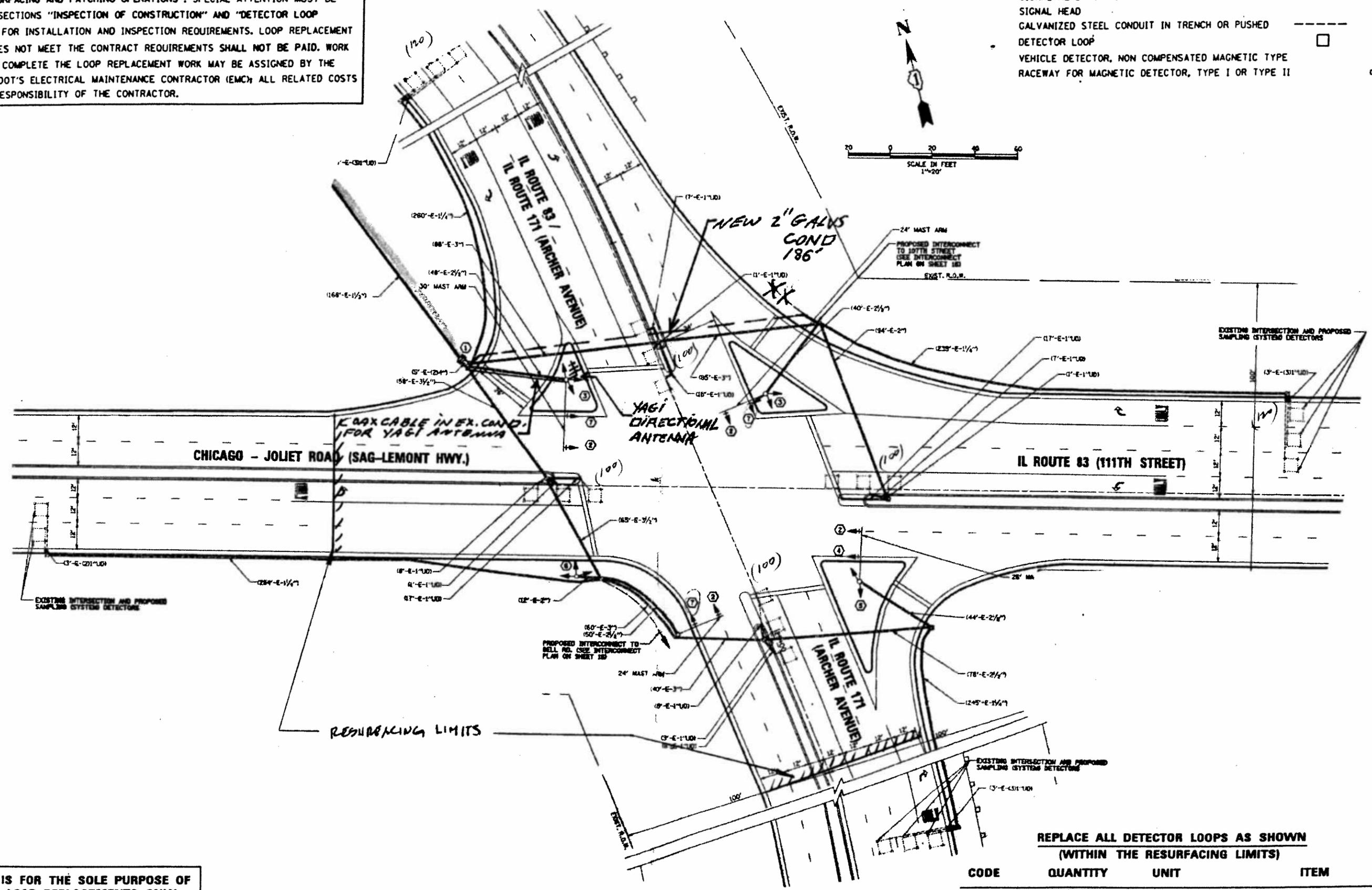
- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROP. POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 1 3/4"
 PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ② PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
- ③ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- ④ PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- ⑤ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- ⑥ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", YELLOW (TYP.)
- ⑦ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
- ⑧ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, YELLOW (TYP.)
- ⑨ PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
- ⑩ PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
- ⑪ PROP. THERMOPLASTIC PAVEMENT SOLID AND SKIP-DASH MARKING-LINES 4" @ 5 1/2" C-C, YELLOW (TYP.)
- ⑫ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

| | | | | | | | | | | | |
|-------------|---|------------|-----------|---|---|---------------------------|------------------|----------------------------|--------------|-----------|--|
| FILE NAME = | USER NAME = qureshiya | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ILL 83 /ILL 171 ROADWAY & PAVEMENT MARKING PLANS | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| Default | ca:\pw\work\p1dot\qureshiya\d0315843\101013-sh-t-plan.dgn | DRAWN - | REVISED - | | | 344 | (525-1&3114)RS-3 | COOK | 31 | 16 | |
| | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - | | | CONTRACT NO. 60V62 | | | | | |
| | PLOT DATE = 5/20/2014 | DATE - | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | | |
| | | | | SCALE: 1" = 50' | | SHEET 9 OF 9 SHEETS | | STA. 303+00 TO STA. 312+26 | | | |

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

| | PROPOSED | EXISTING |
|--|----------|----------|
| SIGNAL HEAD WITH BACKPLATE | | |
| SIGNAL HEAD | | |
| GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED | | |
| DETECTOR LOOP | | |
| VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE | | |
| RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II | | |



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

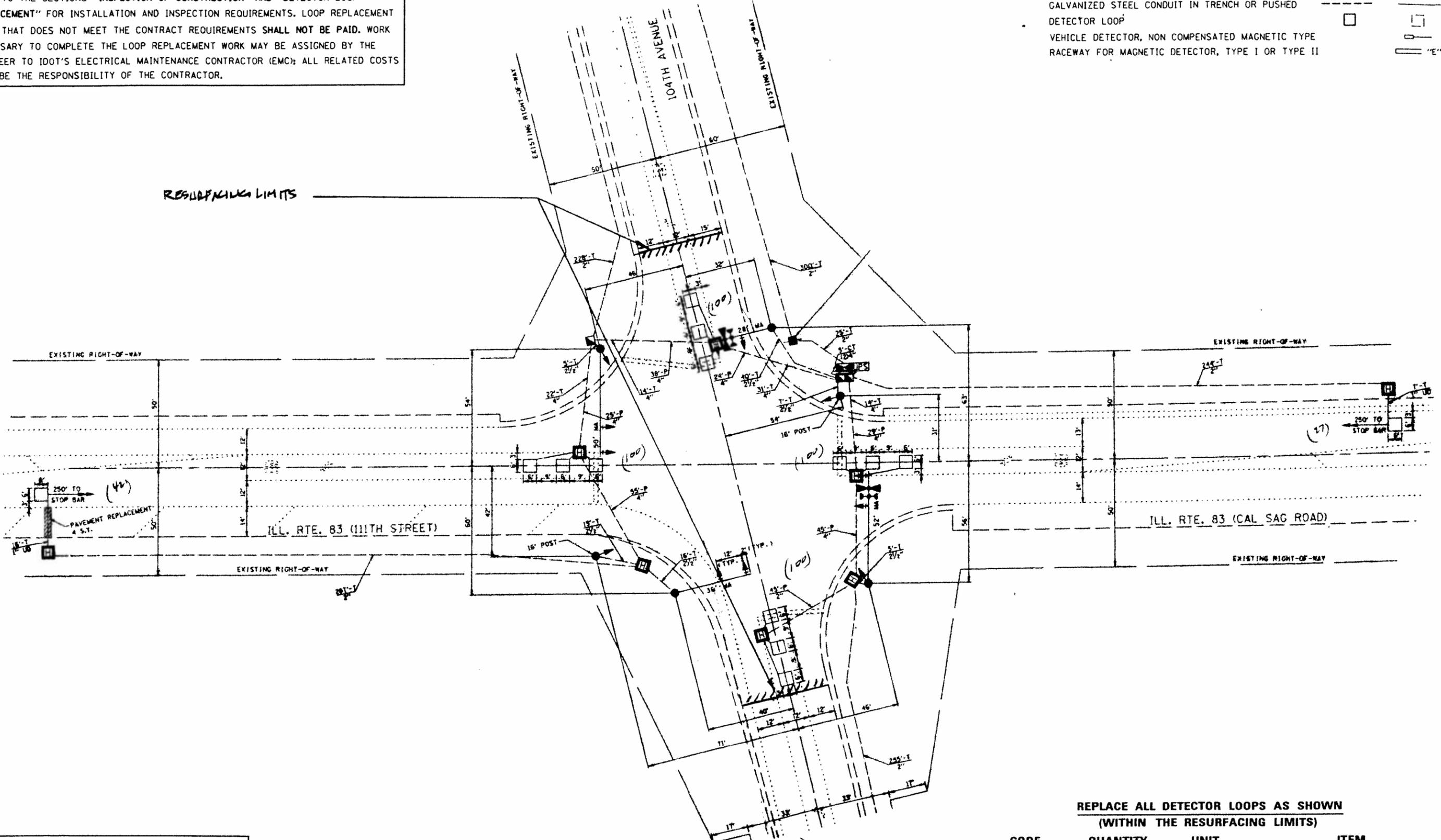
| CODE | QUANTITY | UNIT | ITEM |
|----------|----------|------|----------------------------|
| 88600600 | 640 | FOOT | DETECTOR LOOP, REPLACEMENT |

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|-------------------------|-----------------------|------------|-----------|---|---|--------------------|---------|--------|--------------|---|
| FILE NAME = | USER NAME = p13000000 | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DISTRICT ONE - DETECTOR LOOP REPLACEMENT IL 83/IL 171 AT IL RTE 83 (SAG-LEMONT RD) | F.A.P. DATE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| DATE | DRAWN - | REVISED - | 8/11/2011 | | | 1525-1 & 3114 RS-3 | Cook | 31 | 14 | |
| PLOT SCALE = 1/8"=1'-0" | CHECKED - | REVISED - | | | | | | | | CONTRACT NO. 60162 |
| PLOT DATE = 8/22/2011 | DATE | REVISED - | | | | | | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

| | PROPOSED | EXISTING |
|--|----------|----------|
| SIGNAL HEAD WITH BACKPLATE | | |
| SIGNAL HEAD | | |
| GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED | | |
| DETECTOR LOOP | | |
| VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE | | |
| RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II | | |



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

| CODE | QUANTITY | UNIT | ITEM |
|----------|----------|------|----------------------------|
| 88600600 | 470 | FOOT | DETECTOR LOOP, REPLACEMENT |

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| at\p\work\p\dot\plascencia\10112618\1\asher.dgn | | DRAWN - | REVISED - |
| PLOT SCALE * 1/8" = 1' / in. | | CHECKED - | REVISED - |
| PLOT DATE * 6/22/2011 | | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

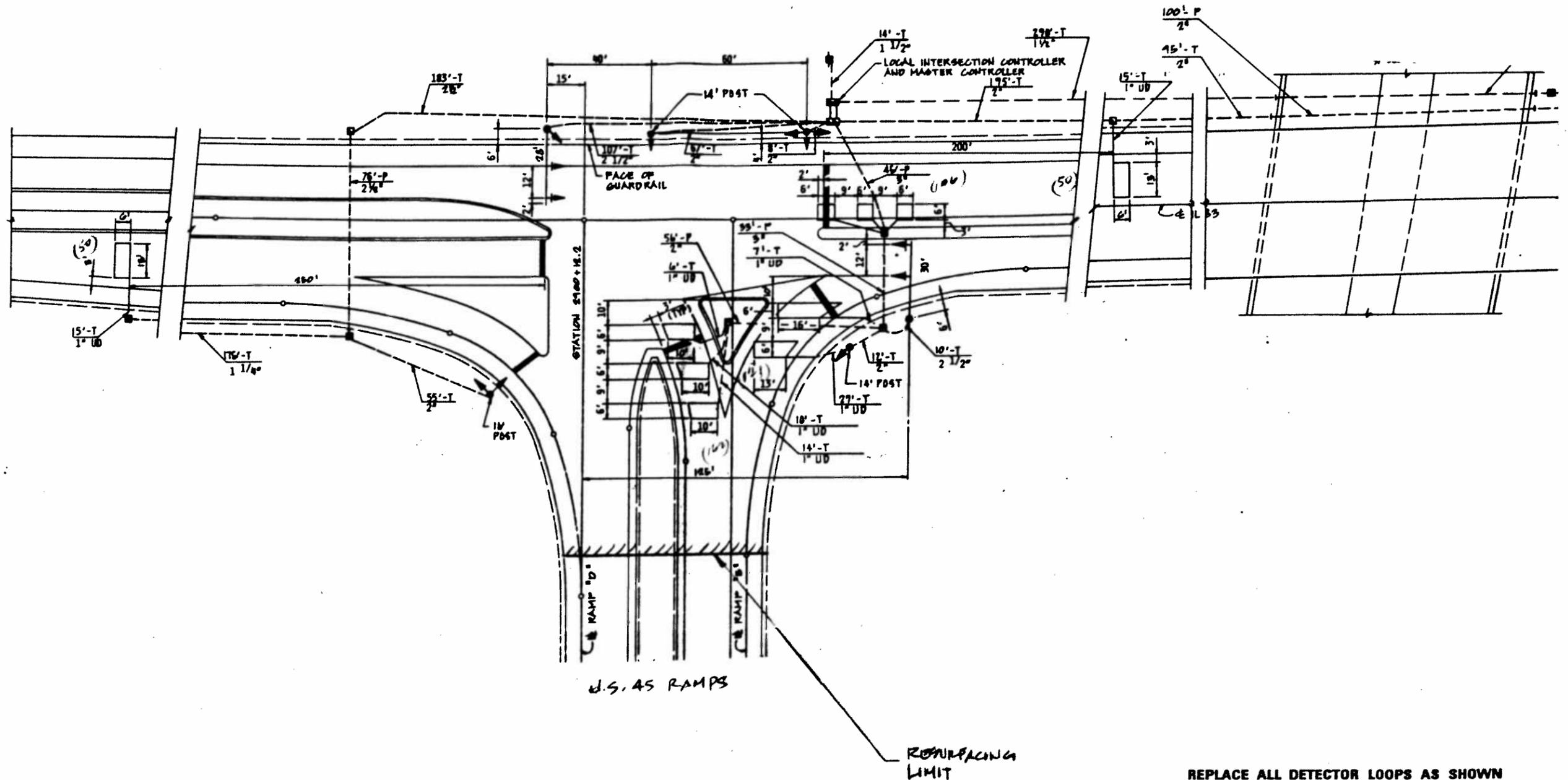
**DISTRICT ONE - DETECTOR LOOP REPLACEMENT
ILL. RTE. 83 (CAL. SAG RD) AT 104 TH AV.**

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|---------------------|------------------|---------------------------|--------------|-----------|
| F.A.D. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 341 | (525-12311) RS-3 | COOK | 31 | 18 |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

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|--|----------|----------|
| SIGNAL HEAD WITH BACKPLATE | | |
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| GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED | | |
| DETECTOR LOOP | | |
| VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE | | |
| RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II | | |



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

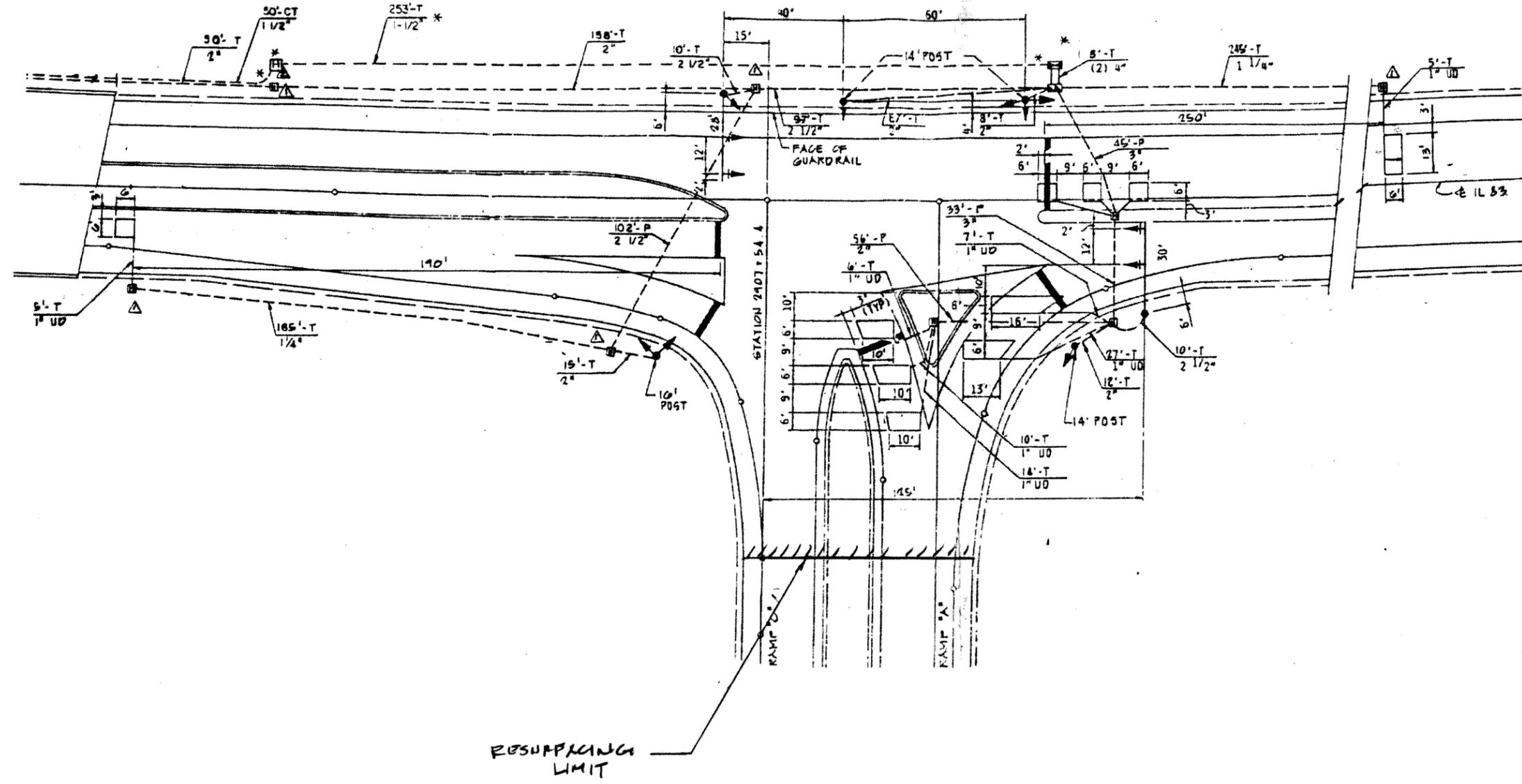
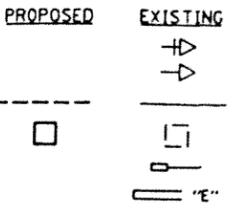
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|----------|----------|------|----------------------------|
| 88800600 | 490 | FOOT | DETECTOR LOOP, REPLACEMENT |

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| FILE NAME | USER NAME | DESIGNED | REVISED | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DISTRICT ONE - DETECTOR LOOP REPLACEMENT IL. RTE. 83 @ U.S. RTE. 45 W/ RAMP | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | | |
| of\pe_work\pndet\placozn\112818\1\1\1\1.dgn | placozn | DRAWN | REVISED | | | 3M | (525-1-2311) | RS-3 | Lock | 31 | 14 | |
| PLOT SCALE | 1/8" = 1' - 0" | CHECKED | REVISED | | | SCALE: | SHEET NO. | OF SHEETS | STA. | TO STA. | FEB. ROAD DIST. NO. | ILLINOIS/FEB. A&P PROJ. NO. |
| PLOT DATE | 6/22/2011 | DATE | REVISED | | | | | | | | | |

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

SIGNAL HEAD WITH BACKPLATE
 SIGNAL HEAD
 GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED
 DETECTOR LOOP
 VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE
 RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II



**THIS PLAN IS FOR THE SOLE PURPOSE OF
 DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN
 (WITHIN THE RESURFACING LIMITS)**

| CODE | QUANTITY | UNIT | ITEM |
|----------|----------|------|----------------------------|
| 88600600 | 484 | FOOT | DETECTOR LOOP, REPLACEMENT |

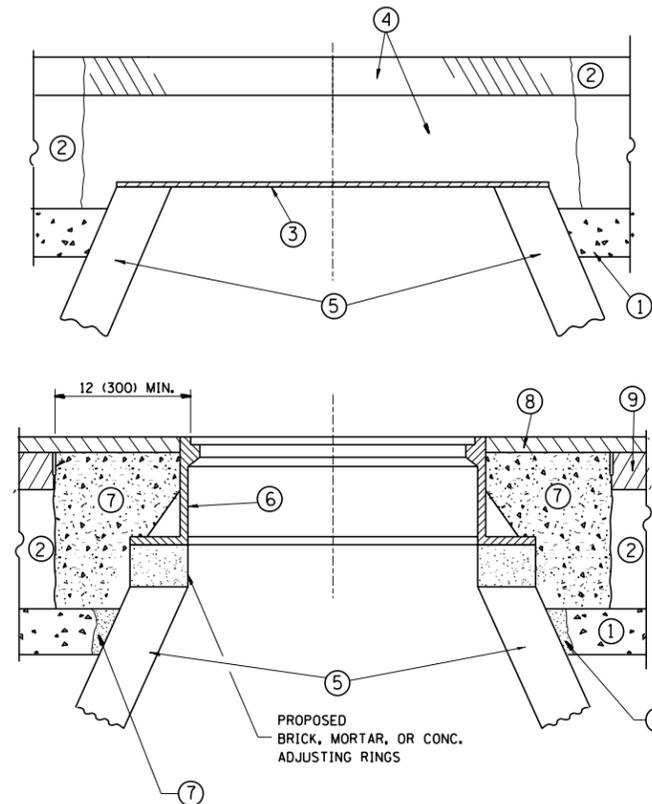
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| c:\pwork\plasoencas\08112518\1\shar.dgn | | DRAWN - | REVISED - |
| PLOT SCALE * 100.0000 / in | | CHECKED - | REVISED - |
| PLOT DATE * 6/22/2011 | | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT
 ILL. ROUTE 83 @ U.S. 45 E. RAMP**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

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|---|---------------------------|-------------|--------------------|--------------|
| F.A.P. RTE. 344 | SECTION (525-1 93114)08-3 | COUNTY COOK | TOTAL SHEETS 31 | SHEET NO. 20 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60062 | |



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX 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 PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

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

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:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

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

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.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

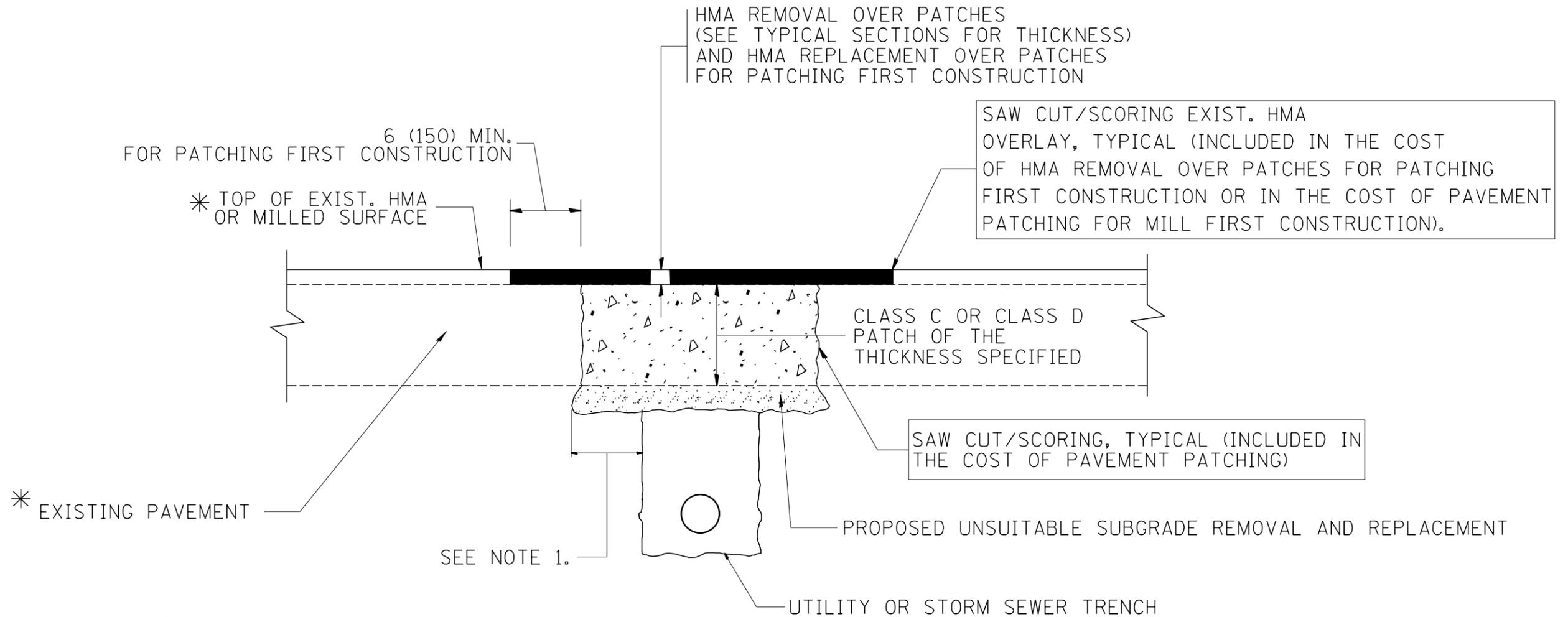
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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| FILE NAME = | USER NAME = qureshiya | DESIGNED - R. SHAH | REVISED - R. WIEDEMAN 05-14-04 |
| c:\pwwork\pwwork\qureshiya\d0315843\Dis | Std.dgn | DRAWN - | REVISED - R. BORO 01-01-07 |
| | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - R. BORO 03-09-11 |
| | PLOT DATE = 12/10/2012 | DATE - 10-25-94 | REVISED - R. BORO 12-06-11 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
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| DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING | | | |
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

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|---|-------------------|---------------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 344 | (525-18.3114)RS-3 | COOK | 31 | 21 |
| BD600-03 (BD-8) | | CONTRACT NO. 60V62 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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| FILE NAME = | USER NAME = qureshiye | DESIGNED - R. SHAH | REVISED - A. ABBAS 04-27-98 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| ca:\pwork\pwork\qureshiye\d0315843\Dis | Std.dgn | DRAWN - | REVISED - R. BORO 01-01-07 | | SCALE: NONE | SHEET NO. 1 | OF 1 SHEETS | STA. | TO STA. | 344 | (525-18.3114)RS-3 | COOK | 31 22 |
| | PLOT SCALE = 100.0000' / 1" = | CHECKED - | REVISED - R. BORO 09-04-07 | | | | | | | | BD400-04 (BD-22) | CONTRACT NO. 60V62 | |
| | PLOT DATE = 12/10/2012 | DATE - 10-25-94 | REVISED - K. ENG 10-27-08 | | | | | | | | FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT | |

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

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

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

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

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

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

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

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

* 3" (75) 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.

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.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

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

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

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

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) 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).

⑤ 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.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

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

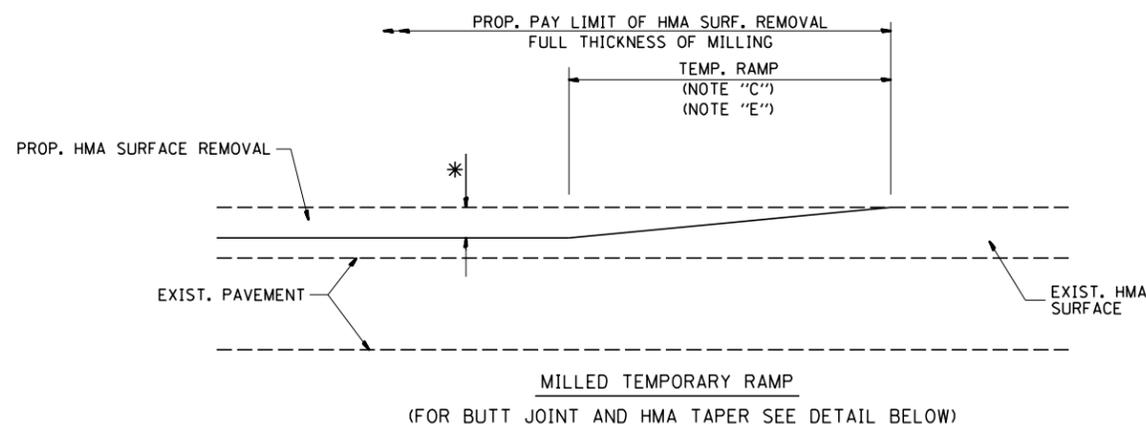
⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ 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.

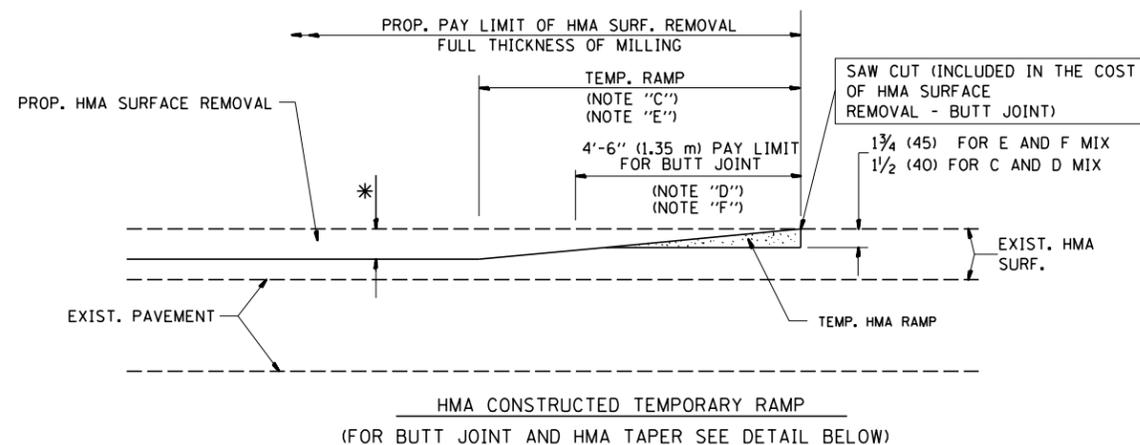
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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| FILE NAME = | USER NAME = qureshiya | DESIGNED - A. HOUSEH | REVISED - R. SHAH 10-03-96 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| es:\pwork\pwork\qureshiya\0315843\Dis | Std.dgn | DRAWN - | REVISED - A. ABBAS 03-21-97 | | | | | 344 | (525-183114)RS-3 | COOK | 31 | 23 |
| | PLOT SCALE = 100.0000' / 1" | CHECKED - | REVISED - M. GOMEZ 01-22-01 | | BD600-06 (BD-24) | | | CONTRACT NO. 60V62 | | | | |
| | PLOT DATE = 12/10/2012 | DATE - 03-11-94 | REVISED - R. BORO 12-15-09 | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

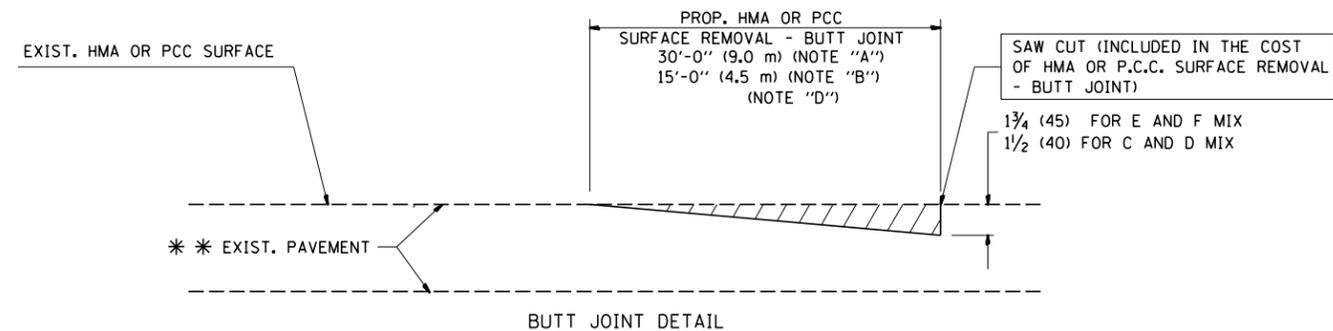


OPTION 1

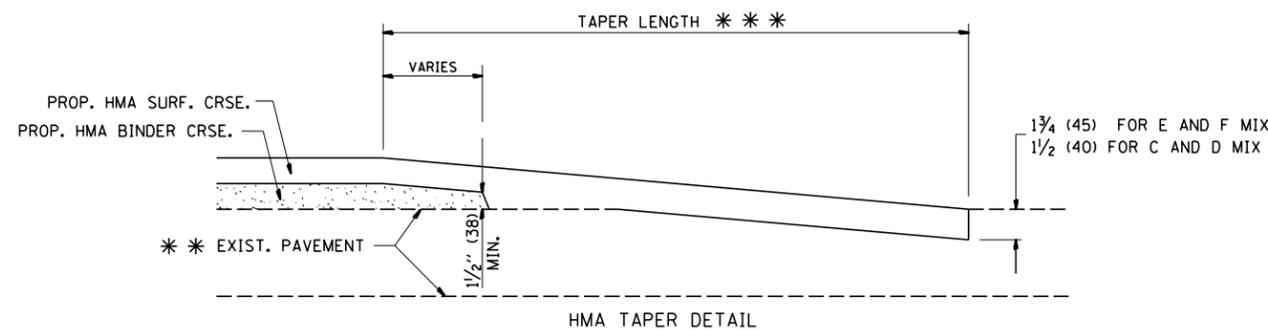


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

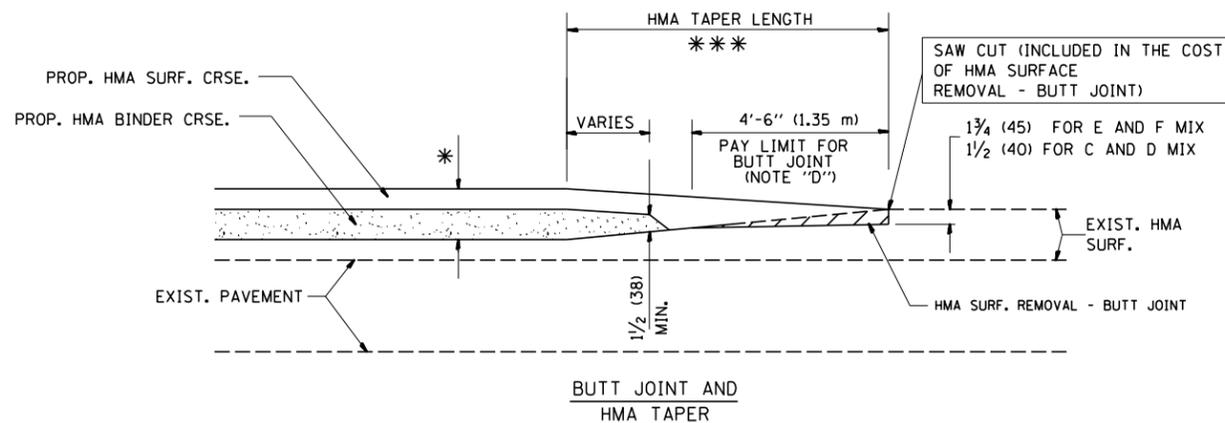
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



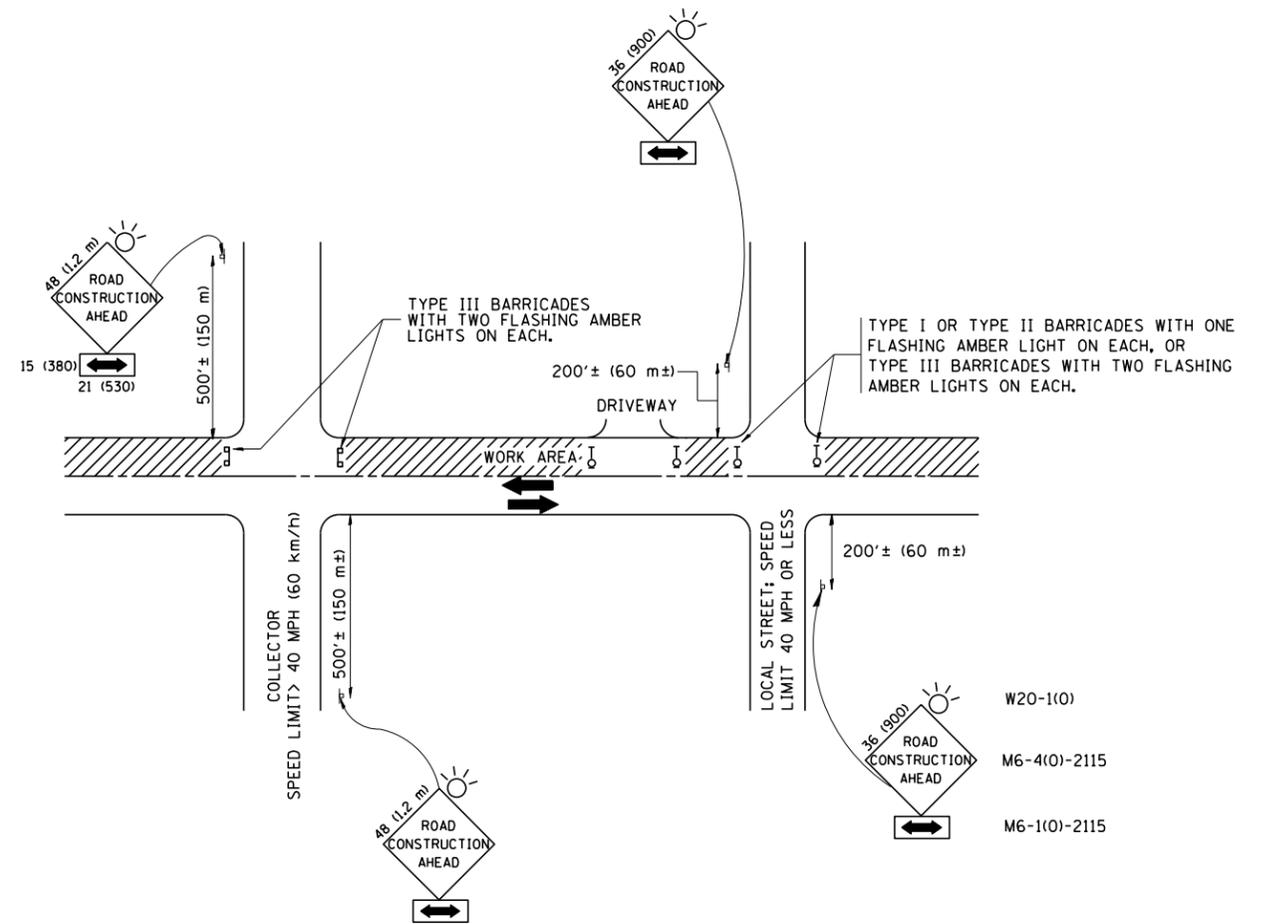
TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

| | | | |
|---|-----------------------------|-----------------------|-----------------------------|
| FILE NAME = | USER NAME = qureshiye | DESIGNED - M. DE YONG | REVISED - R. SHAH 10-25-94 |
| ca:\pw\work\p\idot\qureshiye\d0315843\Dis | Std.dgn | DRAWN - | REVISED - A. ABBAS 03-21-97 |
| | PLOT SCALE = 100.0000' / 1" | CHECKED - | REVISED - M. GOMEZ 04-06-01 |
| | PLOT DATE = 12/10/2012 | DATE - 06-13-90 | REVISED - R. BORO 01-01-07 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | |
|---|-------------------------|
| BUTT JOINT AND HMA TAPER DETAILS | |
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS |
| STA. | TO STA. |

| | | | | |
|---|------------------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 344 | (525-1&3114)RS-3 | COOK | 31 | 24 |
| BD400-05 BD32 | | CONTRACT NO. 60V62 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS**
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:**
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.**
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.**

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

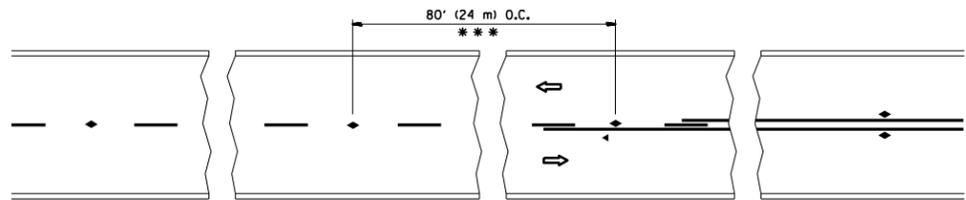
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| ca:\pw\work\p1dot\qureshiya\d0315843\Dis | Std.dgn | DRAWN - | REVISED - A. HOUSEH 03-06-96 |
| | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - A. HOUSEH 10-15-96 |
| | PLOT DATE = 12/10/2012 | DATE - 06-89 | REVISED - T. RAMMACHER 01-06-00 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

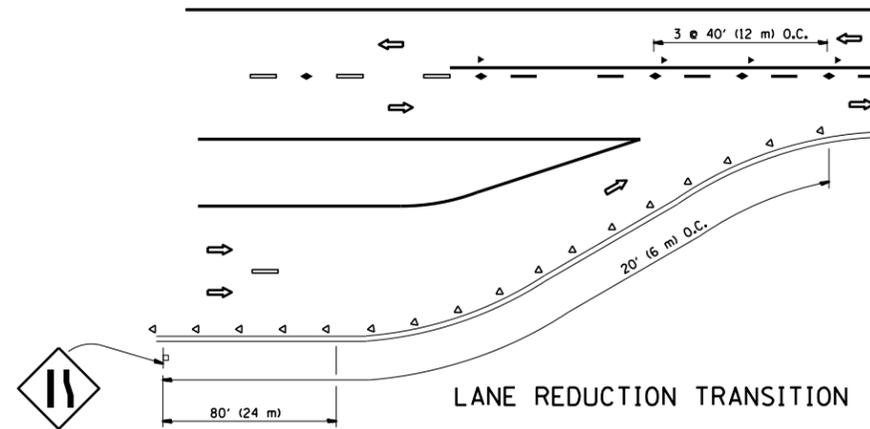
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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------------|--------|--------------------|-----------|
| 344 | (525-18.3114)RS-3 | COOK | 31 | 25 |
| TC-10 | | | CONTRACT NO. 60V62 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

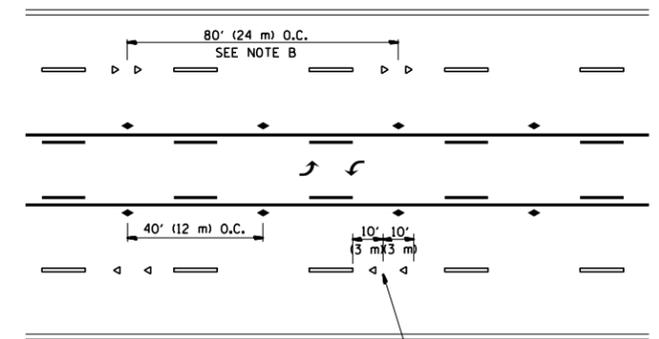


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

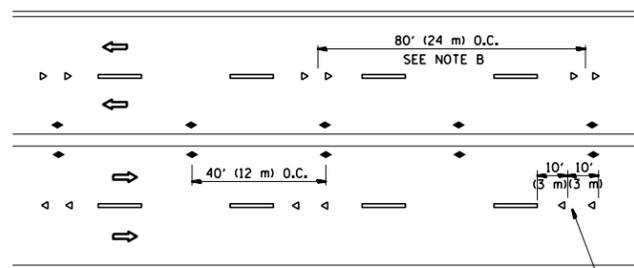
TWO-LANE/TWO-WAY



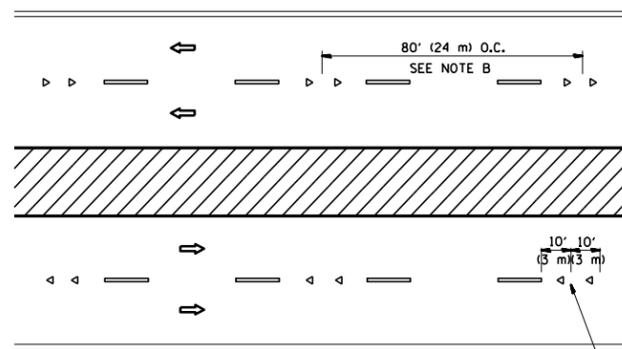
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

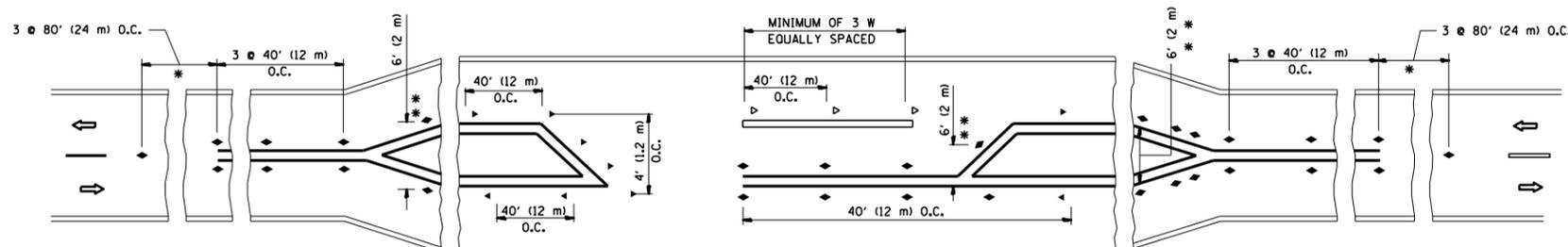
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

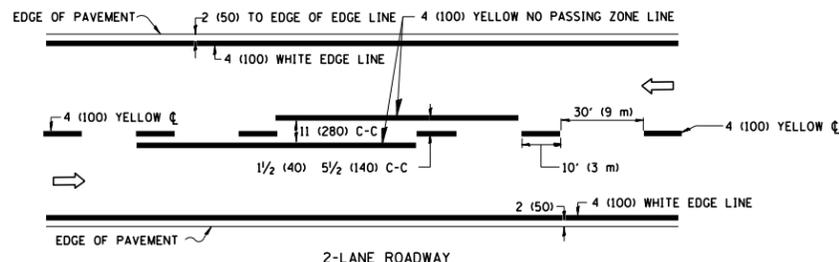
All dimensions are in inches (millimeters) unless otherwise shown.

| | | | |
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| ca:\pwork\pwork\qureshiya\0315843\Dis | Std.dgn | DRAWN - | REVISED - T. RAMMACHER 03-12-99 |
| | PLOT SCALE = 100.0000' / 1" | CHECKED - | REVISED - T. RAMMACHER 01-06-00 |
| | PLOT DATE = 12/10/2012 | DATE - | REVISED - C. JUCIUS 09-09-09 |

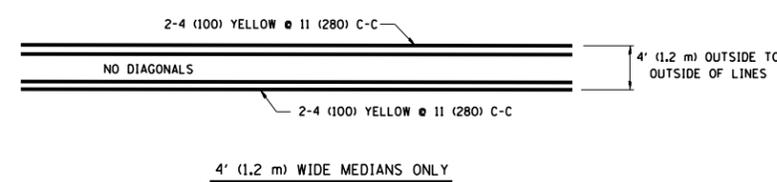
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

| TYPICAL APPLICATIONS | | | |
|--|-------------------------|------|---------|
| RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) | | | |
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

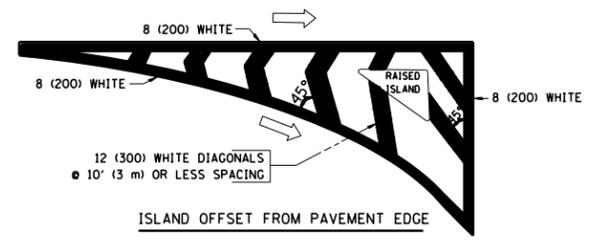
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------------|--------|--------------------|-----------|
| 344 | (525-18.3114)RS-3 | COOK | 31 | 26 |
| TC-11 | | | CONTRACT NO. 60V62 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



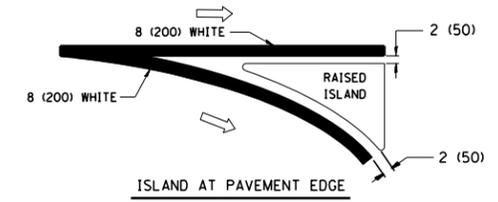
2-LANE ROADWAY



4' (1.2 m) WIDE MEDIANS ONLY

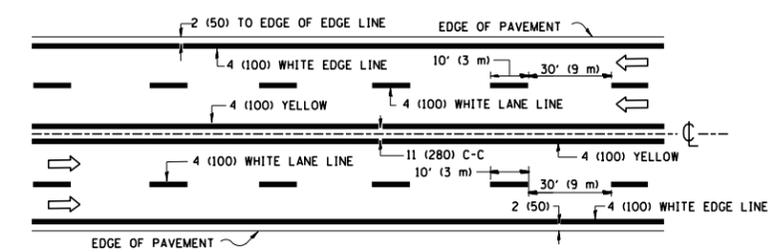


ISLAND OFFSET FROM PAVEMENT EDGE

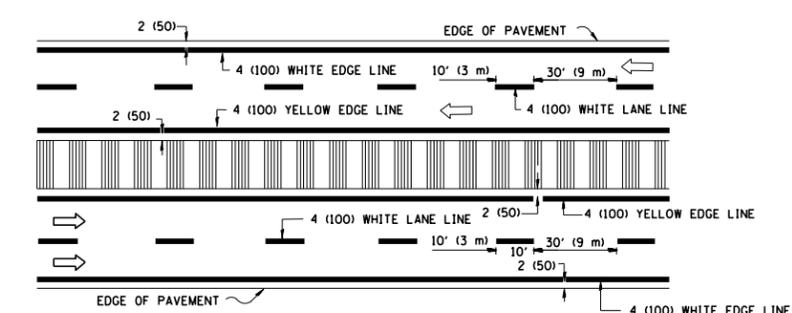


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



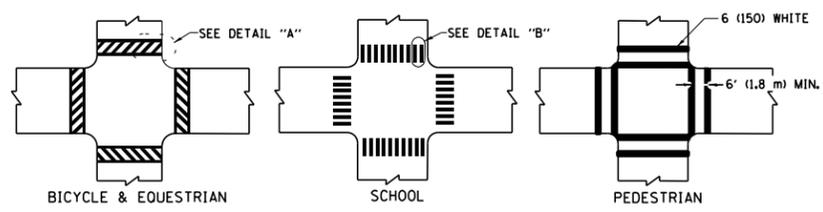
MULTI-LANE UNDIVIDED



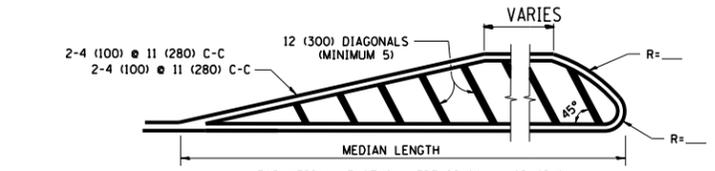
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



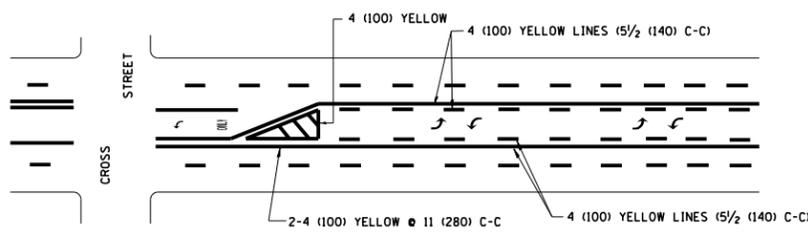
TYPICAL CROSSWALK MARKING



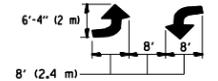
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

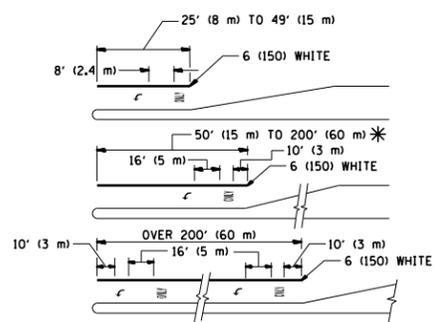


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

| TYPE OF MARKING | WIDTH OF LINE | PATTERN | COLOR | SPACING / REMARKS |
|---|--|------------------------------|---|--|
| CENTERLINE ON 2 LANE PAVEMENT | 4 (100) | SKIP-DASH | YELLOW | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT | 2 @ 4 (100) | SOLID | YELLOW | 11 (280) C-C |
| NO PASSING ZONE LINES: FOR ONE DIRECTION | 4 (100) | SOLID | YELLOW | 5/2 (140) C-C FROM SKIP-DASH CENTERLINE |
| NO PASSING ZONE LINES: FOR BOTH DIRECTIONS | 2 @ 4 (100) | SOLID | YELLOW | 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN |
| LANE LINES | 4 (100) 5 (125) ON FREEWAYS | SKIP-DASH SKIP-DASH | WHITE WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS) | SAME AS LINE BEING EXTENDED | SKIP-DASH | SAME AS LINE BEING EXTENDED | 2' (600) LINE WITH 6' (1.8 m) SPACE |
| EDGE LINES | 4 (100) | SOLID | YELLOW-LEFT WHITE-RIGHT | OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB |
| TURN LANE MARKINGS | 6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m)) | SOLID | WHITE | SEE TYPICAL TURN LANE MARKING DETAIL |
| TWO WAY LEFT TURN MARKING | 2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW | SKIP-DASH AND SOLID IN PAIRS | YELLOW WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE. SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL |
| CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL) | 2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90° | SOLID SOLID SOLID | WHITE WHITE WHITE | NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS. |
| STOP LINES | 24 (600) | SOLID | WHITE | PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE |
| PAINTED MEDIANS | 2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS | SOLID | YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE. SEE TYPICAL PAINTED MEDIAN MARKING. |
| GORE MARKING AND CHANNELIZING LINES | 8 (200) WITH 12 (300) DIAGONALS @ 45° | SOLID | WHITE | DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h)) |
| RAILROAD CROSSING | 24 (600) TRANSVERSE AREA OF: "RR" 15' (4.5 m) MIN. LETTERS: 16 (400) LINE FOR "X" | SOLID | WHITE | SEE STATE STANDARD 780001 |
| SHOULDER DIAGONALS | 12 (300) @ 45° | SOLID | WHITE - RIGHT YELLOW - LEFT | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h)) |

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

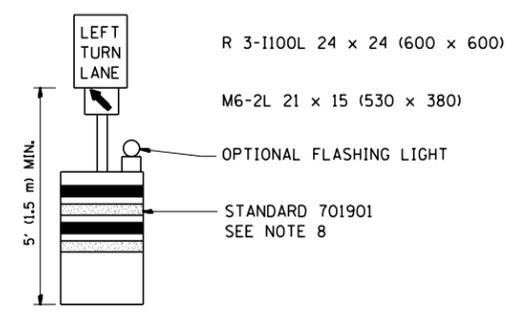
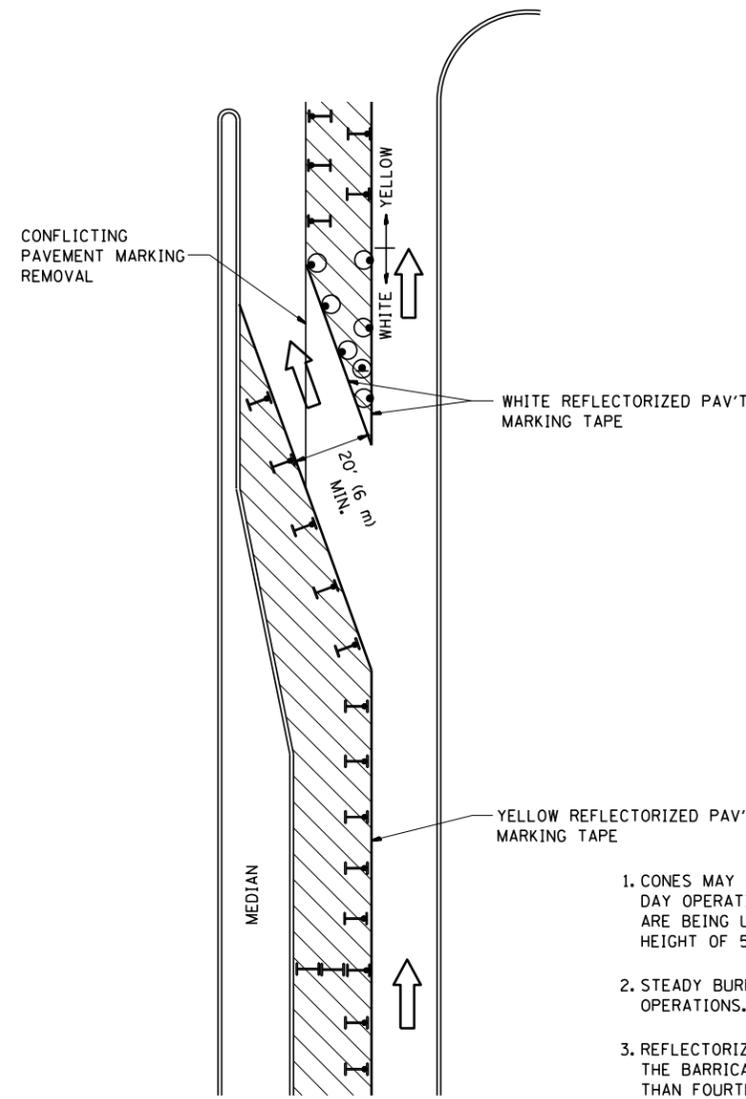
All dimensions are in inches (millimeters) unless otherwise shown.

| | | | |
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| FILE NAME = | USER NAME = qureshiya | DESIGNED - EVERS | REVISED - T. RAMMACHER 10-27-94 |
| ca:\pw\work\p1dot\qureshiya\d0315843\Dis | Std.dgn | DRAWN - | REVISED - C. JUCIUS 09-09-09 |
| | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 12/18/2012 | DATE - 03-19-90 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | |
|---------------------------|-------------------------|------|---------|
| DISTRICT ONE | | | |
| TYPICAL PAVEMENT MARKINGS | | | |
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

| | | | | |
|---|-------------------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 344 | (525-18.3114)RS-3 | COOK | 31 | 27 |
| TC-13 | | CONTRACT NO. 60V62 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

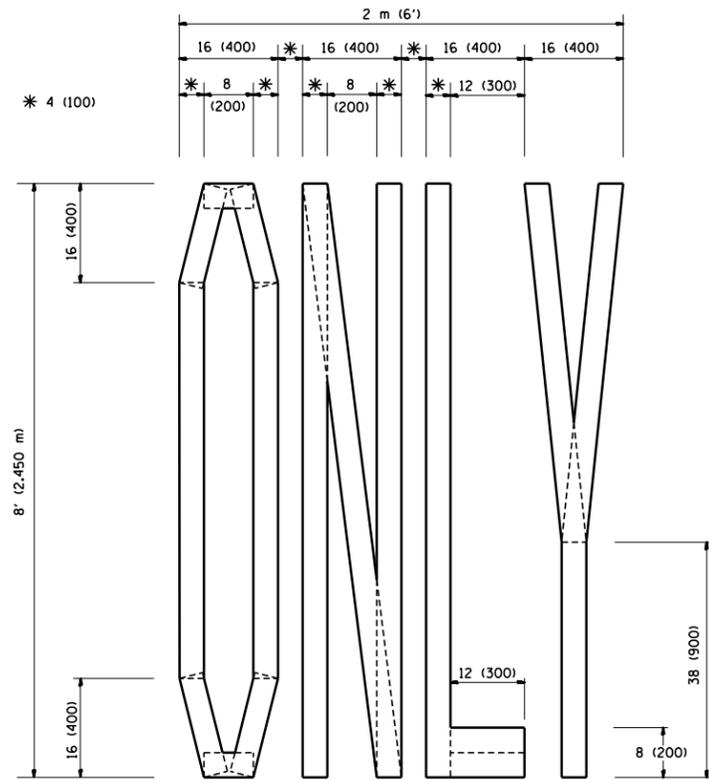
-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

| | | | |
|---|-------------------------------|--------------------------------|----------------------------|
| FILE NAME = | USER NAME = qureshiya | REVISED -T. RAMMACHER 09-08-94 | REVISED - R. BORO 09-14-09 |
| es:\pw\work\p\dot\qureshiya\0315843\Dis | Std.dgn | REVISED - A. HOUSEH 11-07-95 | REVISED - |
| | PLOT SCALE = 100.0000' / 1in. | REVISED - A. HOUSEH 10-12-96 | REVISED - |
| | PLOT DATE = 12/10/2012 | REVISED -T. RAMMACHER 01-06-00 | REVISED - |

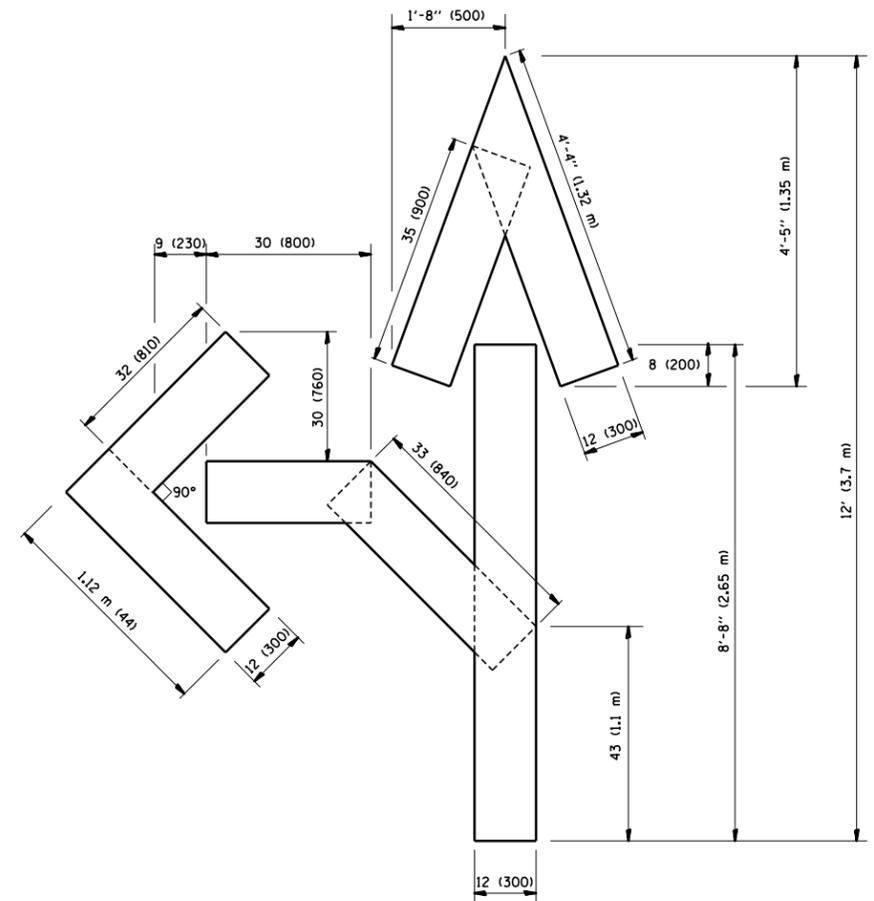
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) | | | |
|--|-------------------------|------|---------|
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

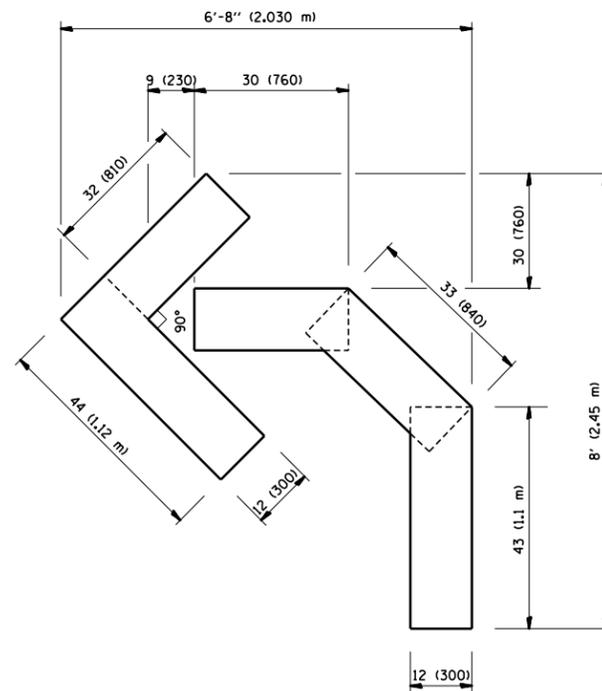
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|---|-------------------|--------|--------------------|-----------|
| 344 | (525-18.3114)RS-3 | COOK | 31 | 28 |
| TC-14 | | | CONTRACT NO. 60V62 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



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



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



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

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

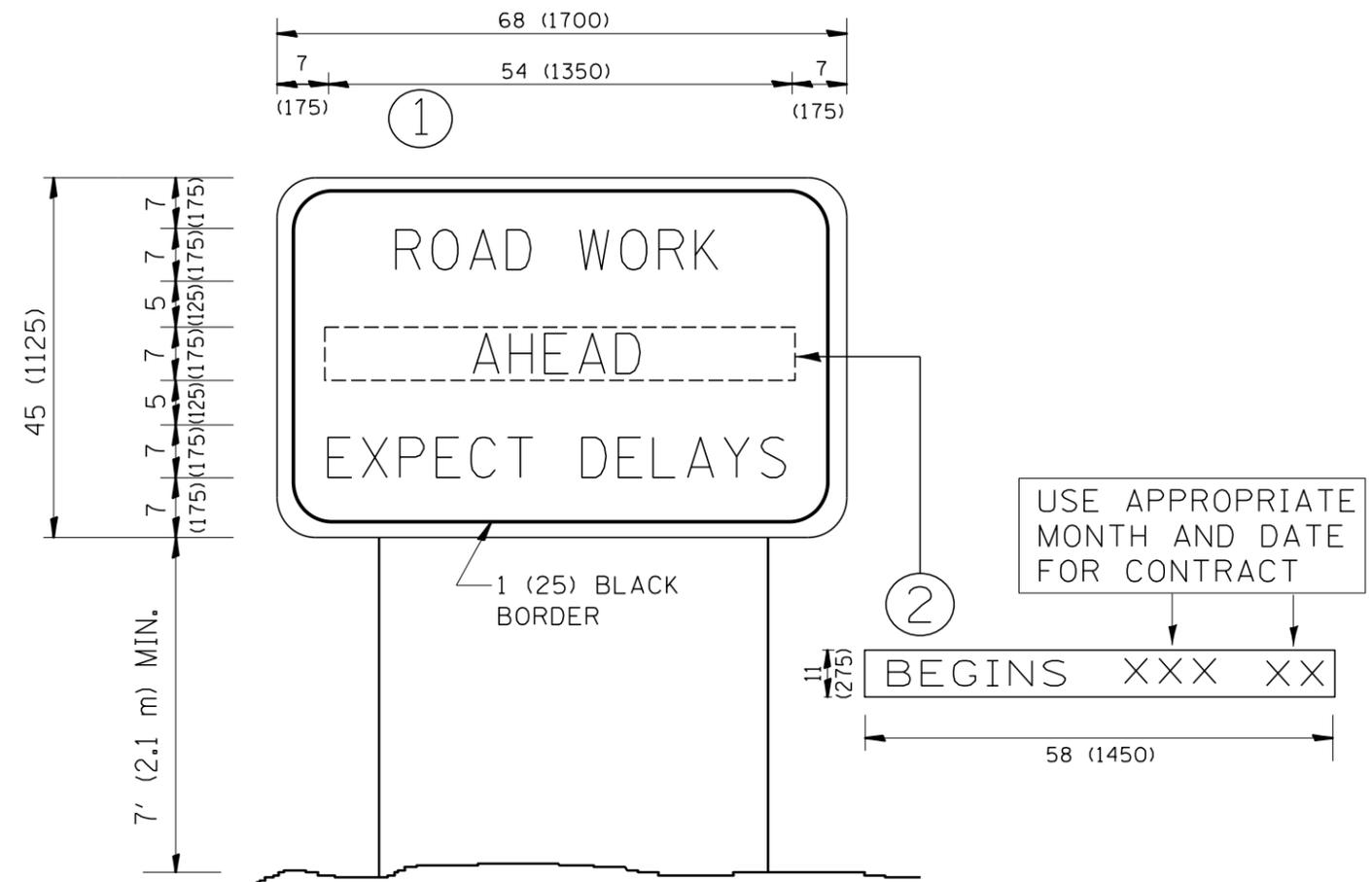
| | | | |
|---|-----------------------------|-----------------|--------------------------------|
| FILE NAME = | USER NAME = qureshiya | DESIGNED - | REVISED -T. RAMMACHER 06-05-96 |
| et:\pw\work\p\dot\qureshiya\0315843\Dis | Std.dgn | DRAWN - | REVISED -T. RAMMACHER 11-04-97 |
| | PLOT SCALE = 100.0000' / 1" | CHECKED - | REVISED -T. RAMMACHER 03-02-98 |
| | PLOT DATE = 12/10/2012 | DATE - 09-18-94 | REVISED -E. GOMEZ 08-28-00 |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---|-------------------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 344 | (525-18.3114)RS-3 | COOK | 31 | 29 |
| TC-16 | | CONTRACT NO. 60V62 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

| | | | |
|--|-------------------------------|------------|---------------------------------|
| FILE NAME = | USER NAME = qureshiya | DESIGNED - | REVISED - R. MIRS 09-15-97 |
| ca:\pw_work\p1dot\qureshiya\d0315843\Dis | Std.dgn | DRAWN - | REVISED - R. MIRS 12-11-97 |
| | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - T. RAMMACHER 02-02-99 |
| | PLOT DATE = 12/10/2012 | DATE - | REVISED - C. JUCIUS 01-31-07 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

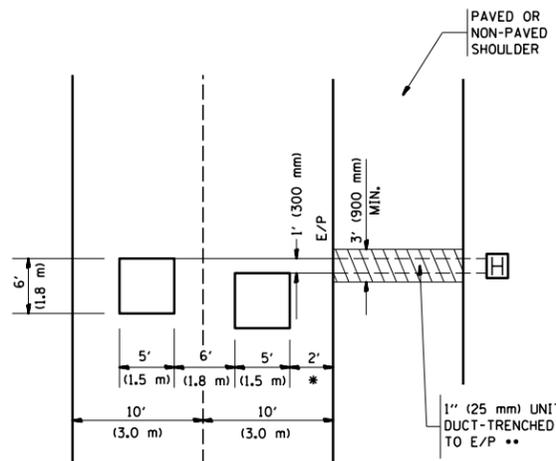
**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---|-------------------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 344 | (525-18.3114)RS-3 | COOK | 31 | 30 |
| TC-22 | | CONTRACT NO. 60V62 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



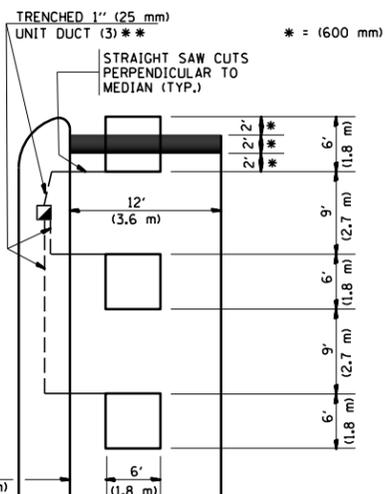
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



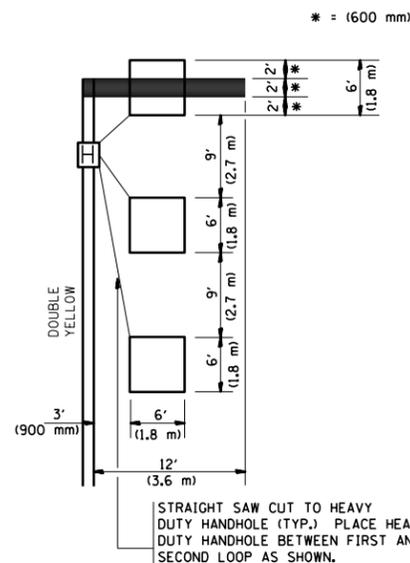
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

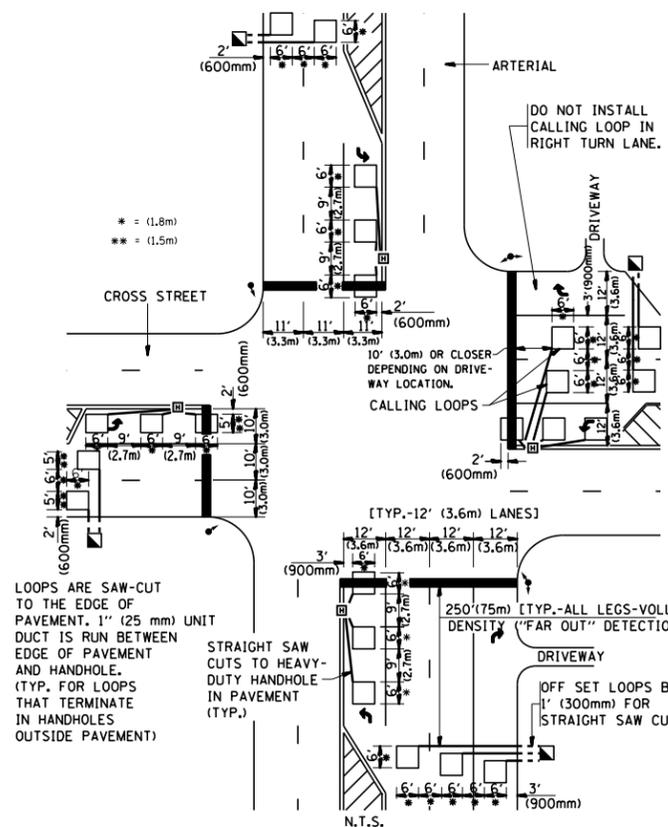
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

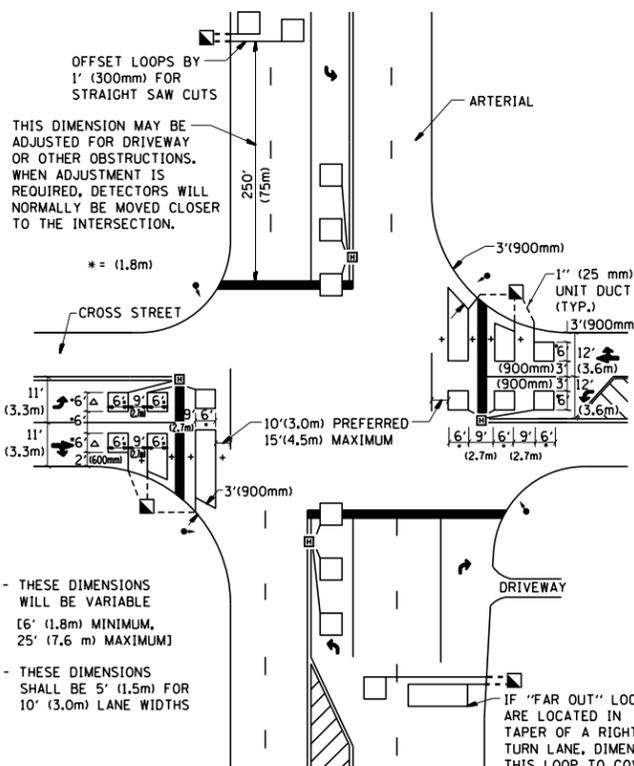
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



**DETAIL 1
N.T.S.**

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



**DETAIL 2
N.T.S.**

| | | | |
|--|-----------------------------|------------------|-----------|
| FILE NAME = | USER NAME = qureshiya | DESIGNED - | REVISED - |
| ca:\pwork\pwork\pwork\qureshiya\d0315843\Dis | Std.dgn | DRAWN - | REVISED - |
| | PLOT SCALE = 100.0000' / 1" | CHECKED - R.K.F. | REVISED - |
| | PLOT DATE = 12/18/2012 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------------|--------------------|--------------|-----------|
| 344 | (525-18.3114)RS-3 | COOK | 31 | 31 |
| TS-07 | | CONTRACT NO. 60V62 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |