

| F.A. RTE.             | SECTION    | COUNTY   | TOTAL SHEETS       | SHEET NO. |
|-----------------------|------------|----------|--------------------|-----------|
| *                     | 1-D-1-RS-3 | WILL     | 34                 | 1         |
| FED. ROAD DIST. NO. 1 |            | ILLINOIS | CONTRACT NO. 60H61 |           |

\* FAP 856/FAU 0318

D-91-759-09



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

**FAP 856/FAU 0318 (CHANNAHON RD/RAILROAD ST-US6)  
TERRY DR TO US 52 (McDONOUGH ST)**

**SECTION:1-D-1-RS-3  
RESURFACING (3P)**

**PROJECT NO.:ESP-000S(685)**

**WILL COUNTY  
C-91-759-09**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

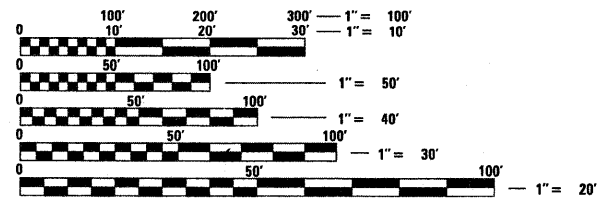
PROJECT IS LOCATED IN THE CITY  
OF JOLIET AND THE VILLAGES OF  
CHANNAHON AND ROCKDALE

**TRAFFIC DATA**

TERRY DRIVE TO IL 7 (LARKIN AVE)  
2007 ADT = 13,000  
POSTED SPEED LIMIT = 45 MPH - 55 MPH

LARKIN AVE. TO BRANDON RD  
2007 ADT = 8,100  
POSTED SPEED LIMIT = 45 MPH

BRANDON ST. TO US 52 (McDONOUGH ST)  
2007 ADT = 2,250  
POSTED SPEED LIMIT = 35 MPH - 45 MPH

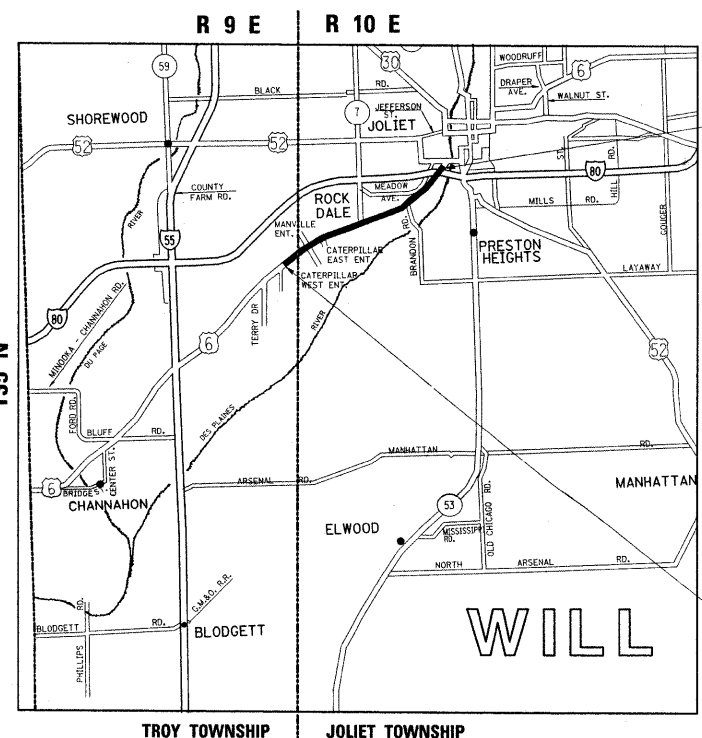


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD  
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT  
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS  
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123 (OR 811)

PROJECT ENGINEER: JENPAI P. CHANG (847) 705 - 4432  
PROJECT MANAGER: KEN ENG

CONTRACT NO. 60H61



PROJECT ENDS  
STATION 273+54

OMISSION @ BRANDON RD  
STA. 213+18 TO STA. 218+80

OMISSION @ LARKIN AVE  
STA. 148+28 TO STA. 159+95

OMISSION @ RR CROSSING  
STA. 112+43 TO STA. 112+53

PROJECT BEGINS  
STATION 97+60

GROSS LENGTH OF PROJECT = 17,594 FEET = 3.33 MILES  
NET LENGTH OF PROJECT = 15,855 FEET = 3.00 MILES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED June 24 2009  
Dino O'Keefe  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

August 14, 2009  
Charles G. Ingersoll  
ENGINEER OF DESIGN AND ENVIRONMENT

August 14, 2009  
Christine M. Reed  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

| <u>SHEET NO.</u> | <u>DESCRIPTION</u>   | <u>STANDARD NO.</u> | <u>DESCRIPTION</u>  |
|------------------|--|---------------------|---|
| 1                | TITLE SHEET  | 000001-05           | TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS                                   |
| 2                | INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES.                                  | 442201-03           | CLASS C AND D PATCHES   |
| 3-4              | SUMMARY OF QUANTITIES  | 482011-03           | HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS |
| 5-10             | EXISTING AND PROPOSED TYPICAL SECTIONS   | 604001-03           | FRAMES AND LIDS, TYPE 1   |
| 11-16            | ROADWAY AND PAVEMENT MARKING PLANS   | 606001-04           | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER                 |
| 17-20            | DETECTOR LOOP REPLACEMENT PLANS  | 606301-04           | PC CONCRETE ISLANDS AND MEDIANS   |
| 21-22            | RAILROAD REMOVAL DETAILS   | 701301-03           | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS                                   |
| 23               | DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING                                | 701306-02           | LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH   |
| 24               | PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT  | 701311-03           | LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY                            |
| 25               | CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT                                    | 701422-02           | LANE CLOSURE, MULTILANE, FOR SPEED > 45 MPH TO 55 MPH                         |
| 26               | BUTT JOINT AND HMA TAPER DETAILS   | 701501-05           | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED   |
| 27               | TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS         | 701601-06           | URBAN LANE CLOSURE, MULTILANE 1W, OR 2W WITH NONTRAVERSABLE MEDIAN            |
| 28               | TYPICAL APPLICATIONS: RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)     | 701701-06           | URBAN LANE CLOSURE, MULTILANE INTERSECTION                                    |
| 29               | DISTRICT ONE TYPICAL PAVEMENT MARKINGS   | 701901-01           | TRAFFIC CONTROL DEVICES   |
| 30               | TRAFFIC CONTROL AND PROTECTION OF TURN BAYS (TO REMAIN OPEN TO TRAFFIC)            | 780001-02           | TYPICAL PAVEMENT MARKINGS   |
| 31               | PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING                           | 886001-01           | DETECTOR LOOP INSTALLATION  |
| 32               | ARTERIAL ROAD INFORMATION SIGN   | 886006-01           | TYPICAL LAYOUT FOR DETECTION LOOPS  |
| 33               | TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS |                     |   |
| 34               | DISTRICT 1 DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING              |                     |   |

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 REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF JOLIET AND VILLAGES OF CHANNAHON AND ROCKDALE.

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

ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

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

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

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

10 FEET (3 METERS) TRANSITION SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTERS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (OF THE TYPE SPECIFIED ON THE PLANS, WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

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

DRAINAGE ADJUSTMENT OR RECONSTRUCTION WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

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 ENGINEER SHALL CONTACT Ms. CORA MATHIS, TRAFFIC FIELD ENGINEER, AT (815) 485-6475 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

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

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

\* FAP 856/FAU 318

|  |                             |            |           |   |  |                     |              |  |         |        |              |           |
|--|-----------------------------|------------|-----------|---|--|---------------------|--------------|--|---------|--------|--------------|-----------|
| FILE NAME =                              | USER NAME = galbannb        | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>US 6 (CHANNAHON ROAD/RAILROAD STREET)<br/>INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES</b> |                     |              | F.A. RTE.                                    | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ct:\pw_work\PW1001\GALBANNB\d0140162\017 | 909-shr-plan.dgn            | DRAWN -    | REVISED - |   | •  | 1-D-1-RS-3          | WILL         | 34   | 2       |        |              |           |
|  | PLOT SCALE = 50.0000' / IN. | CHECKED -  | REVISED - |   |  |                     |              |  |         |        |              |           |
|  | PLOT DATE = 7/22/2009       | DATE -     | REVISED - |   | SCALE:   | SHEET NO. OF SHEETS | STA. TO STA. | ILLINOIS FED. AID PROJECT CONTRACT NO. 60H61 |         |        |              |           |

| SUMMARY OF QUANTITIES |  |       | URBAN<br>100% FED. |         |  |  |  | CONSTRUCTION TYPE CODE |  |  |            |   | SUMMARY OF QUANTITIES |                  |         | URBAN<br>100% FED. |  |  |  |  | CONSTRUCTION TYPE CODE |  |  |  |  |  |  |  |  |  |
|-----------------------|--|-------|--------------------|---------|--|--|--|------------------------|--|--|------------|---|-----------------------|------------------|---------|--------------------|--|--|--|--|------------------------|--|--|--|--|--|--|--|--|--|
| CODE NO               | ITEM   | UNIT  | TOTAL QUANTITIES   | 1000-2A |  |  |  |                        |  |  | CODE NO    | ITEM  | UNIT                  | TOTAL QUANTITIES | 1000-2A |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 20201006              | GRADING AND SHAPING SHOULDERS                                | UNIT  | 263                | 263     |  |  |  |                        |  |  | 44213200   | SAW CUTS  | FOOT                  | 285              | 285     |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| * 21101615            | TOPSOIL FURNISH AND PLACE, 4"                                | SO YD | 20                 | 20      |  |  |  |                        |  |  | 48102100   | AGGREGATE WEDGE SHOULDER, TYPE B                          | TON                   | 568              | 568     |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| * 25000400            | NITROGEN FERTILIZER NUTRIENT                                 | POUND | 1                  | 1       |  |  |  |                        |  |  | A 55039700 | STORM SEWERS TO BE CLEANED                                | FOOT                  | 500              | 500     |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| * 25000500            | PHOSPHORUS FERTILIZER NUTRIENT                               | POUND | 1                  | 1       |  |  |  |                        |  |  | 60250200   | CATCH BASINS TO BE ADJUSTED                               | EACH                  | 9                | 9       |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| * 25000600            | POTASSIUM FERTILIZER NUTRIENT                                | POUND | 1                  | 1       |  |  |  |                        |  |  | 60252800   | CATCH BASINS TO BE RECONSTRUCTED                          | EACH                  | 2                | 2       |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| * 25100630            | EROSION CONTROL BLANKET                                      | SO YD | 20                 | 20      |  |  |  |                        |  |  | 60255500   | MANHOLES TO BE ADJUSTED                                   | EACH                  | 3                | 3       |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| * 25200110            | SODDING, SALT TOLERANT                                       | SO YD | 20                 | 20      |  |  |  |                        |  |  | 60255800   | MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID | EACH                  | 1                | 1       |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| * 25200200            | SUPPLEMENTAL WATERING  | UNIT  | 1                  | 1       |  |  |  |                        |  |  | 60262700   | INLETS TO BE RECONSTRUCTED                                | EACH                  | 1                | 1       |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 28000250              | TEMPORARY EROSION CONTROL SEEDING                            | POUND | 1                  | 1       |  |  |  |                        |  |  | 60300310   | FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)                  | EACH                  | 12               | 12      |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 40600200              | BITUMINOUS MATERIALS (PRIME COAT)                            | TON   | 86                 | 86      |  |  |  |                        |  |  | 60603800   | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12         | FOOT                  | 40               | 40      |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 40600300              | AGGREGATE (PRIME COAT)                                       | TON   | 410                | 410     |  |  |  |                        |  |  | 60618300   | CONCRETE MEDIAN SURFACE, 4 INCH                           | SO FT                 | 428              | 428     |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 40600400              | MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS                   | TON   | 154                | 154     |  |  |  |                        |  |  | 67000400   | ENGINEER'S FIELD OFFICE, TYPE A                           | CAL MO                | 6                | 6       |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 40600895              | CONSTRUCTING TEST STRIP                                      | EACH  | 2                  | 2       |  |  |  |                        |  |  | 67100100   | MOBILIZATION  | L SUM                 | 1                | 1       |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 40600982              | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT                 | SO YD | 148                | 148     |  |  |  |                        |  |  | 70100460   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701306           | L SUM                 | 1                | 1       |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 40601005              | HOT-MIX ASPHALT REPLACEMENT OVER PATCHES                     | TON   | 611                | 611     |  |  |  |                        |  |  | 70102620   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501           | L SUM                 | 1                | 1       |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 40603340              | HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70                 | TON   | 8846               | 8846    |  |  |  |                        |  |  | 70102630   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701601           | L SUM                 | 1                | 1       |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 42001300              | PROTECTIVE COAT  | SO YD | 1865               | 1865    |  |  |  |                        |  |  | 70102635   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701           | L SUM                 | 1                | 1       |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 44000158              | HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"                      | SO YD | 102246             | 102246  |  |  |  |                        |  |  | 70103815   | TRAFFIC CONTROL SURVEILLANCE                              | CAL DA                | 18               | 18      |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 44000300              | CURB REMOVAL   | FOOT  | 70                 | 70      |  |  |  |                        |  |  | 70300100   | SHORT-TERM PAVEMENT MARKING                               | FOOT                  | 15165            | 15165   |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 44000400              | GUTTER REMOVAL   | FOOT  | 70                 | 70      |  |  |  |                        |  |  | 70300210   | TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS          | SO FT                 | 372              | 372     |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 44001700              | COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT | FOOT  | 5420               | 5420    |  |  |  |                        |  |  | 70300220   | TEMPORARY PAVEMENT MARKING - LINE 4"                      | FOOT                  | 80382            | 80382   |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 44002020              | CONCRETE MEDIAN SURFACE REMOVAL                              | SO FT | 428                | 428     |  |  |  |                        |  |  | 70300240   | TEMPORARY PAVEMENT MARKING - LINE 6"                      | FOOT                  | 695              | 695     |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 44002209              | HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2 1/4"                 | SO YD | 4843               | 4843    |  |  |  |                        |  |  | 70300250   | TEMPORARY PAVEMENT MARKING - LINE 8"                      | FOOT                  | 2030             | 2030    |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 44004400              | PAVEMENT REMOVAL (SPECIAL)                                   | SO YD | 100                | 100     |  |  |  |                        |  |  | 70300260   | TEMPORARY PAVEMENT MARKING - LINE 12"                     | FOOT                  | 1731             | 1731    |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 44201785              | CLASS D PATCHES, TYPE I, 12 INCH                             | SO YD | 130                | 130     |  |  |  |                        |  |  | 70300280   | TEMPORARY PAVEMENT MARKING - LINE 24"                     | FOOT                  | 411              | 411     |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 44201789              | CLASS D PATCHES, TYPE II, 12 INCH                            | SO YD | 790                | 790     |  |  |  |                        |  |  | 70301000   | WORK ZONE PAVEMENT MARKING REMOVAL                        | SO FT                 | 36475            | 36475   |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 44201794              | CLASS D PATCHES, TYPE III, 12 INCH                           | SO YD | 480                | 480     |  |  |  |                        |  |  | * 78000100 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS      | SO FT                 | 372              | 372     |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 44201796              | CLASS D PATCHES, TYPE IV, 12 INCH                            | SO YD | 2080               | 2080    |  |  |  |                        |  |  | * 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4"                  | FOOT                  | 80382            | 80382   |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| 44201774              | CLASS D PATCHES, TYPE I, 11 1/4 INCH                         | SO YD | 6                  | 6       |  |  |  |                        |  |  |            |   |                       |                  |         |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| X4420777              | CLASS D PATCHES, TYPE II, 11 1/4 INCH                        | SO YD | 700                | 700     |  |  |  |                        |  |  |            |   |                       |                  |         |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| X4420781              | CLASS D PATCHES, TYPE III, 11 1/4 INCH                       | SO YD | 360                | 360     |  |  |  |                        |  |  |            |   |                       |                  |         |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| X4420783              | CLASS D PATCHES, TYPE IV, 11 1/4 INCH                        | SO YD | 962                | 962     |  |  |  |                        |  |  |            |   |                       |                  |         |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |
| X4420784              | CLASS D PATCHES, TYPE IV, 12 3/4 INCH                        | SO YD | 85                 | 85      |  |  |  |                        |  |  |            |   |                       |                  |         |                    |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |

\* SPECIALTY ITEMS  
# NON-SPECIALTY ITEMS

\* SPECIALTY ITEMS  
Δ - NON-PARTICIPATING

|                       |  |                           |        |                    |           |
|-----------------------|--|---------------------------|--------|--------------------|-----------|
| F.A. RTE.             |  | SECTION                   | COUNTY | TOTAL SHEETS       | SHEET NO. |
| *                     |  | 1-D-1-RS-3                | WILL   | 34                 | 3         |
| FED. ROAD DIST. NO. 1 |  | ILLINOIS FED. AID PROJECT |        | CONTRACT NO. 60H61 |           |

|   |                             |            |           |
|---|-----------------------------|------------|-----------|
| FILE NAME =   | USER NAME = gorbano         | DESIGNED - | REVISED - |
| c:\pr...work\WID01\GALBANNED\0140162\0175909-01.plt |                             | DRAWN -    | REVISED - |
|   | PLDT SCALE = 50.0000 "/ IN. | CHECKED -  | REVISED - |
|   | PLDT DATE = 6/26/2009       | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

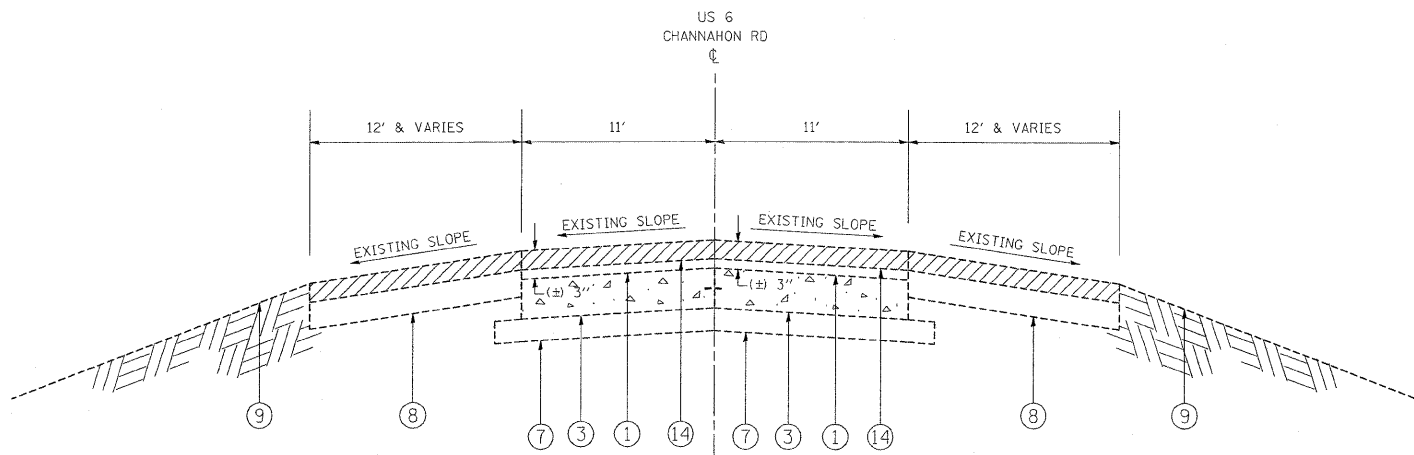
US 6 (CHANNAHON RD/RAILROAD ST)  
SUMMARY OF QUANTITIES

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

Rev.

| SUMMARY OF QUANTITIES |  |       | URBAN<br>100% FED.<br>CONSTRUCTION TYPE CODE |       |  |  |  |  | SUMMARY OF QUANTITIES |         |      |      | CONSTRUCTION TYPE CODE |  |  |  |  |  |  |
|-----------------------|--|-------|--|-------|--|--|--|--|-----------------------|---------|------|------|------------------------|--|--|--|--|--|--|
| CODE NO               | ITEM   | UNIT  | TOTAL QUANTITIES                             |       |  |  |  |  |                       | CODE NO | ITEM | UNIT | TOTAL QUANTITIES       |  |  |  |  |  |  |
| * 78000400            | THERMOPLASTIC PAVEMENT MARKING<br>- LINE 6"                    | FOOT  | 695  | 695   |  |  |  |  |                       |         |      |      |                        |  |  |  |  |  |  |
| * 78000500            | THERMOPLASTIC PAVEMENT MARKING<br>- LINE 8"                    | FOOT  | 2030   | 2030  |  |  |  |  |                       |         |      |      |                        |  |  |  |  |  |  |
| * 78000600            | THERMOPLASTIC PAVEMENT MARKING<br>- LINE 12"                   | FOOT  | 1731   | 1731  |  |  |  |  |                       |         |      |      |                        |  |  |  |  |  |  |
| * 78000650            | THERMOPLASTIC PAVEMENT MARKING<br>- LINE 24"                   | FOOT  | 411  | 411   |  |  |  |  |                       |         |      |      |                        |  |  |  |  |  |  |
| * 78100100            | RAISED REFLECTIVE PAVEMENT MARKER                              | EACH  | 1427   | 1427  |  |  |  |  |                       |         |      |      |                        |  |  |  |  |  |  |
| 78300200              | RAISED REFLECTIVE PAVEMENT MARKER<br>REMOVAL                   | EACH  | 1015   | 1015  |  |  |  |  |                       |         |      |      |                        |  |  |  |  |  |  |
| * 88600600            | DETECTOR LOOP REPLACEMENT                                      | FOOT  | 1656   | 1656  |  |  |  |  |                       |         |      |      |                        |  |  |  |  |  |  |
| X0322256              | TEMPORARY INFORMATION SIGNING                                  | SO FT | 154.2  | 154.2 |  |  |  |  |                       |         |      |      |                        |  |  |  |  |  |  |
| X4067107              | POLYMERIZED LEVELING BINDER (MACHINE<br>METHOD), IL-4, 75, N50 | TON   | 4186   | 4186  |  |  |  |  |                       |         |      |      |                        |  |  |  |  |  |  |
| X6060500              | CORRUGATED MEDIAN REMOVAL                                      | SO FT | 136  | 136   |  |  |  |  |                       |         |      |      |                        |  |  |  |  |  |  |
| # Z0018500            | DRAINAGE STRUCTURES TO BE CLEANED                              | EACH  | 13   | 13    |  |  |  |  |                       |         |      |      |                        |  |  |  |  |  |  |
| @ 20070600            | TRAINEES   | HOUR  | 500  | 500   |  |  |  |  |                       |         |      |      |                        |  |  |  |  |  |  |

© Y080  
 # Non-participating  
 \* SPECIALTY ITEMS



US 6  
EXISTING TYPICAL SECTION  
STA. 97+60 TO STA. 103+69

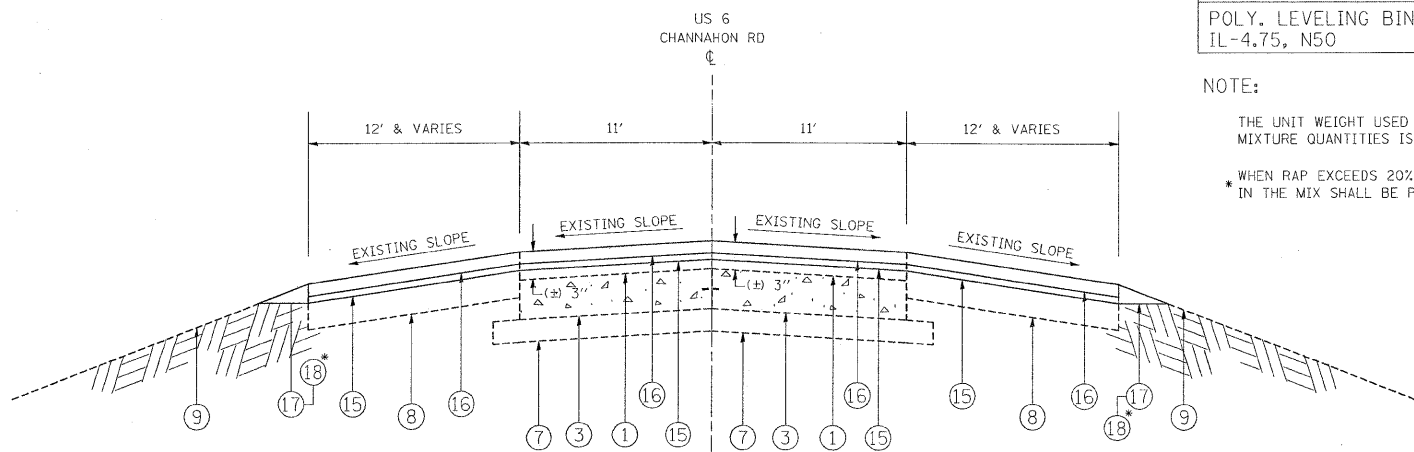
HOT-MIX ASPHALT MIXTURE REQUIREMENTS  
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

| MIXTURE USE   | AC/PG                | AIR VOIDS (%) |
|---|----------------------|---------------|
| <b>MAINLINE RESURFACING</b>                           |                      |               |
| HMA SURFACE COURSE<br>MIX "D", N70 (IL 9.5 mm)        | PG 64-22             | 4% @ 70 Gyr.  |
| POLY. LEVELING BINDER (MM)<br>IL-4.75, N50            | SBS/SBR PG 76-28/-22 | 4% @ 50 Gyr.  |
| <b>PATCHING</b>                                       |                      |               |
| CLASS D PATCH<br>(HMA BINDER IL-19 mm)                | PG 64-22*            | 4% @ 70 Gyr.  |
| HMA REPLACEMENT OVER PATCHES<br>(HMA BINDER IL-19 mm) | PG 64-22*            | 4% @ 70 Gyr.  |
| <b>SHOULDER RESURFACING</b>                           |                      |               |
| HMA SURFACE COURSE<br>MIX "D", N70 (IL 9.5 mm)        | PG 64-22             | 4% @ 70 Gyr.  |
| POLY. LEVELING BINDER (MM)<br>IL-4.75, N50            | SBS/SBR PG 76-28/-22 | 4% @ 50 Gyr.  |

NOTE:

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 POUNDS PER SQUARE YARD-INCH

\* WHEN RAP EXCEEDS 20% THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22



US 6  
EXISTING TYPICAL SECTION  
STA. 97+60 TO STA. 103+69

LEGEND

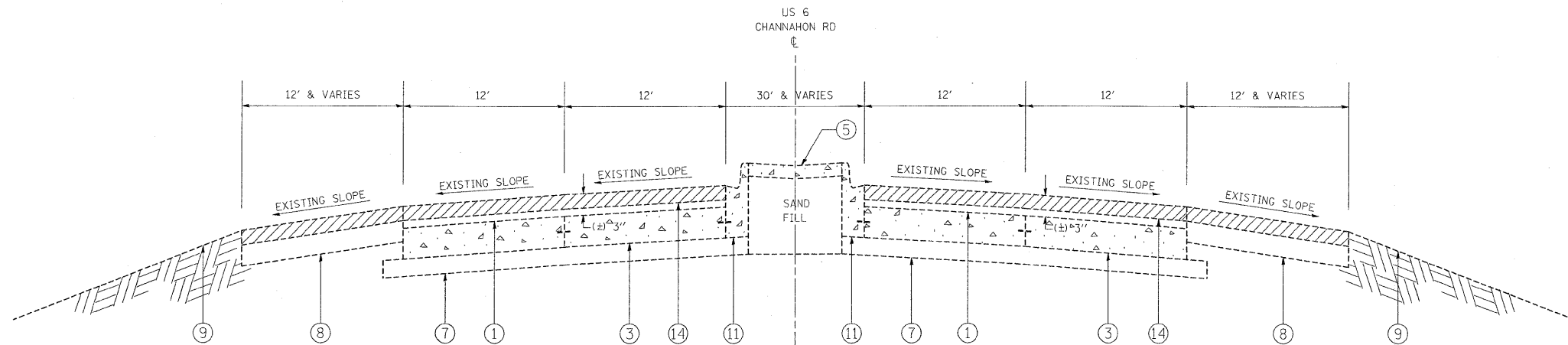
- ① EXISTING HMA SURFACE COURSE, (±) 3"
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- ③ EXISTING PCC PAVEMENT, (±) 9"
- ④ EXISTING PCC PAVEMENT, (9"-7"-9")
- ⑤ EXISTING PCC MEDIAN SURFACE, 4"
- ⑥ EXISTING HMA BASE COURSE, (±) 10-1/2"
- ⑦ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
- ⑧ EXISTING HMA SHOULDER, (±) 8"
- ⑨ EXISTING AGGREGATE SHOULDER, TYPE B, 8"
- ⑩ EXISTING STABILIZED DRIVEWAY, 10"
- ⑪ EXISTING COMB. CONC. CURB & GUTTER, TYPE B-6.24
- ⑫ PROPOSED COMB. CONC. C&G REMOVAL AND REPLACEMENT
- ⑬ PROPOSED PCC MEDIAN SURFACE, 4"
- ⑭ PROPOSED HMA SURFACE REMOVAL, 2-1/4"
- ⑮ PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- ⑯ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1-1/2"
- ⑰ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑱ PROPOSED GRADING AND SHAPING OF SHOULDERS

NOTE:

\* LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER

" THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING".  
(STA. 97+60 TO STA. 167+01)  
(STA. 177+12 TO STA. 180+73)  
(STA. 222+56 TO STA. 273+54)

" THE CONTRACTOR SHALL MILL FIRST PRIOR TO PATCHING".  
(STA. 167+01 TO STA. 177+12)  
(STA. 180+73 TO STA. 212+50)  
(STA. 221+06 TO STA. 222+56)  
(STA. 212+50 TO STA. 221+06)



US 6  
EXISTING TYPICAL SECTION  
STA. 103+69 TO STA. 167+01  
STA. 177+12 TO STA. 180+73

LEGEND

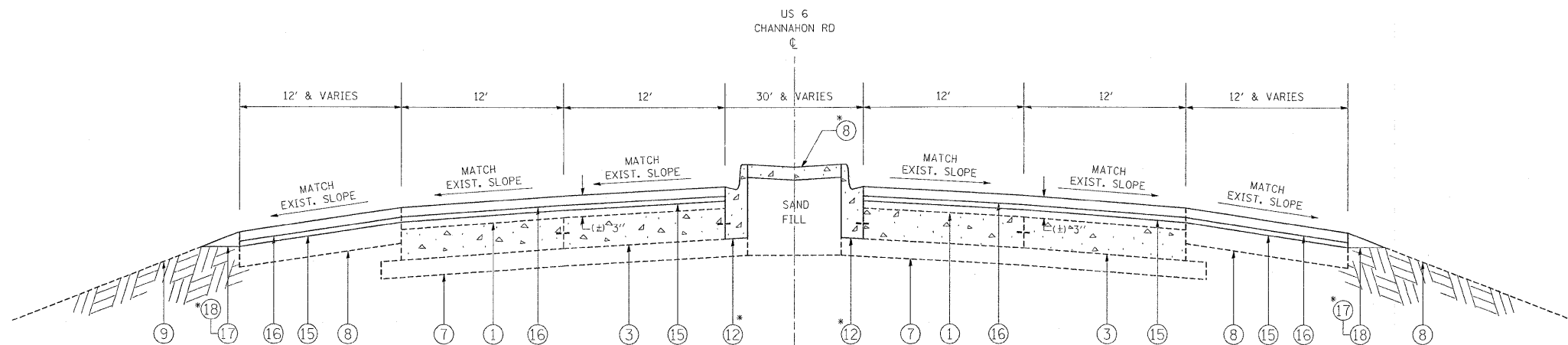
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(STA. 177+12 TO STA. 180+73)  
(STA. 222+56 TO STA. 273+54)

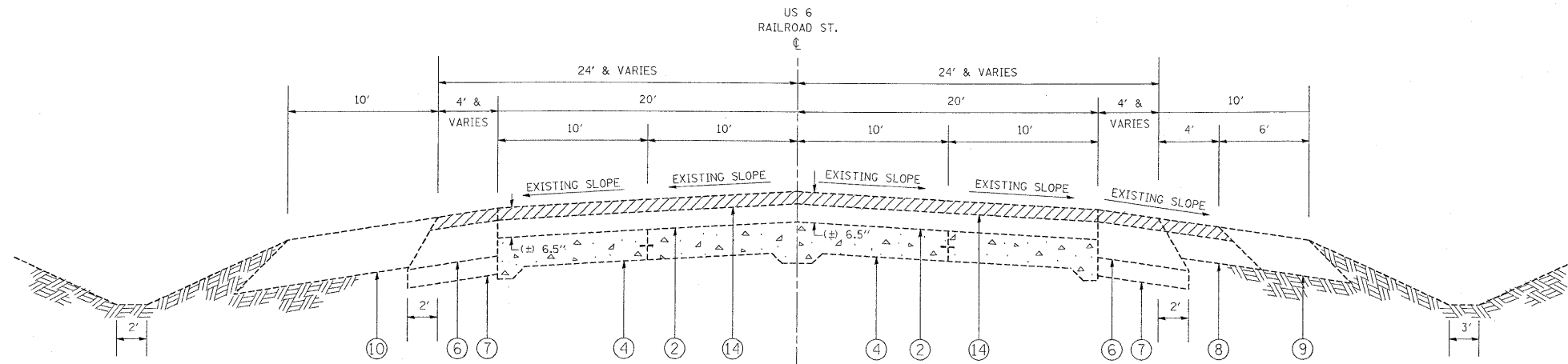
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(STA. 167+01 TO STA. 177+12)  
(STA. 180+73 TO STA. 212+50)  
(STA. 221+06 TO STA. 222+56)  
(STA. 212+50 TO STA. 221+06)



US 6  
PROPOSED TYPICAL SECTION  
STA. 103+69 TO STA. 167+01  
STA. 177+12 TO STA. 180+73

|  |                      |            |           |   |  |                     |              |            |        |              |           |
|--|----------------------|------------|-----------|---|--|---------------------|--------------|------------|--------|--------------|-----------|
| FILE NAME =  | USER NAME = galbannb | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>US 6 (CHANNAHON RD/RAILROAD ST.)<br/>EXISTING AND PROPOSED TYPICAL SECTIONS</b> |                     | F.A. RTE.    | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
| et\p\work\PW\IDDT\GALBANNB\0140162\017309\shp\plan.dgn |                      | DRAWN -    | REVISED - |   | SCALE:   | SHEET NO. OF SHEETS | STA. TO STA. | 1-D-1-RS-3 | WILL   | 34           | 6         |
|  |                      | CHECKED -  | REVISED - |   | CONTRACT NO. 60H61   |                     |              |            |        |              |           |
|  |                      | DATE -     | REVISED - |   | ILLINOIS FED. AID PROJECT  |                     |              |            |        |              |           |

\* FAP 856/FAU 318

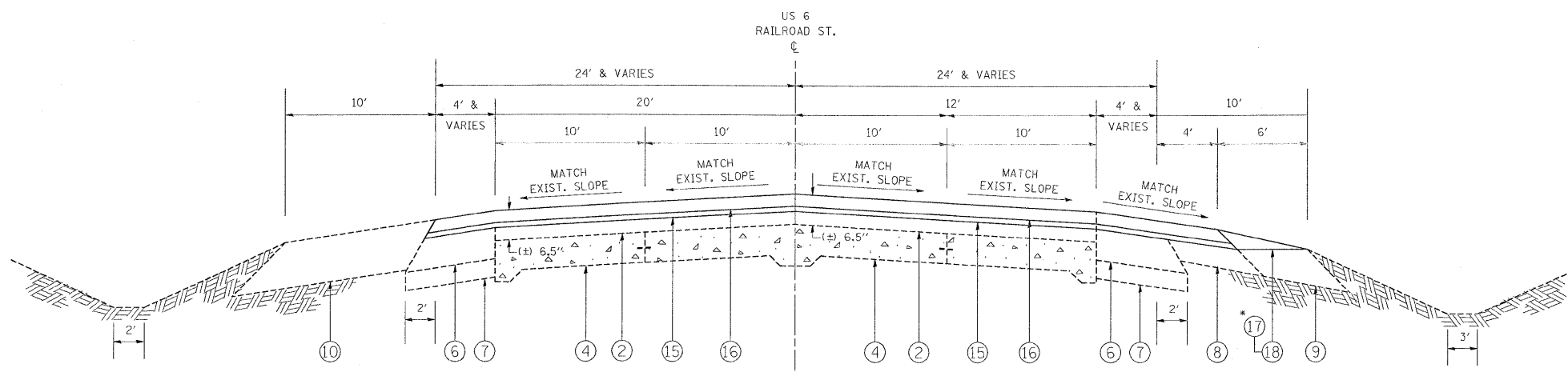


US 6 @ BRANDON RD. (SHOULDER SECTIONS)  
 EXISTING TYPICAL SECTION  
 STA. 167+01 TO STA. 177+12  
 STA. 180+73 TO STA. 207+94  
 STA. 221+06 TO STA. 222+56

LEGEND

- ① EXISTING HMA SURFACE COURSE, (±) 3"
- ② EXISTING HMA SURFACE COURSE, (±) 6-1/2"
- ③ EXISTING PCC PAVEMENT, (±) 9"
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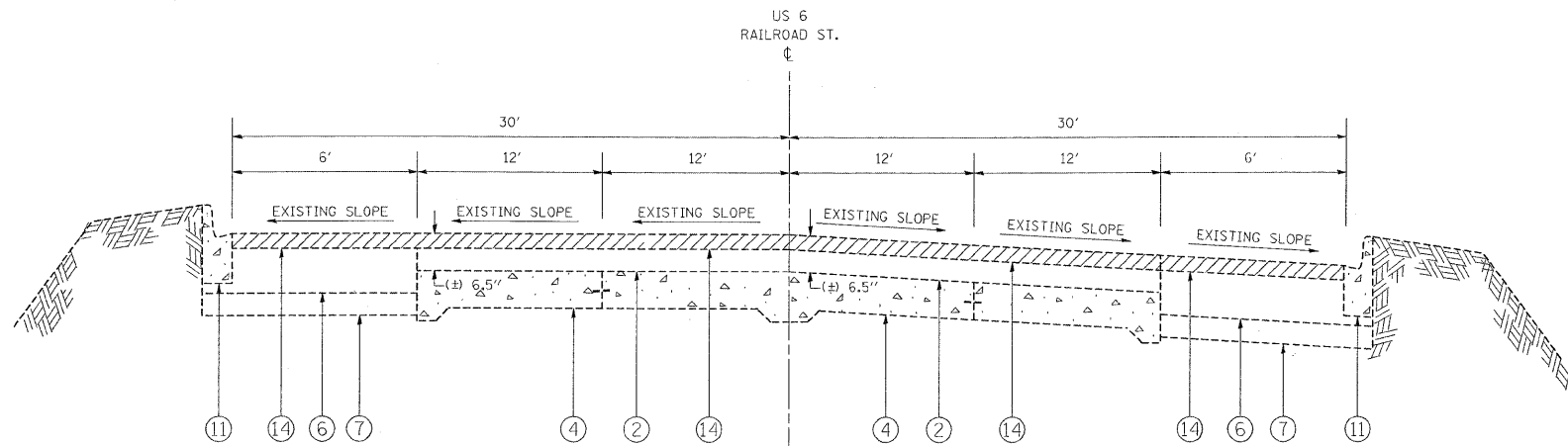
NOTE:  
 \* LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER



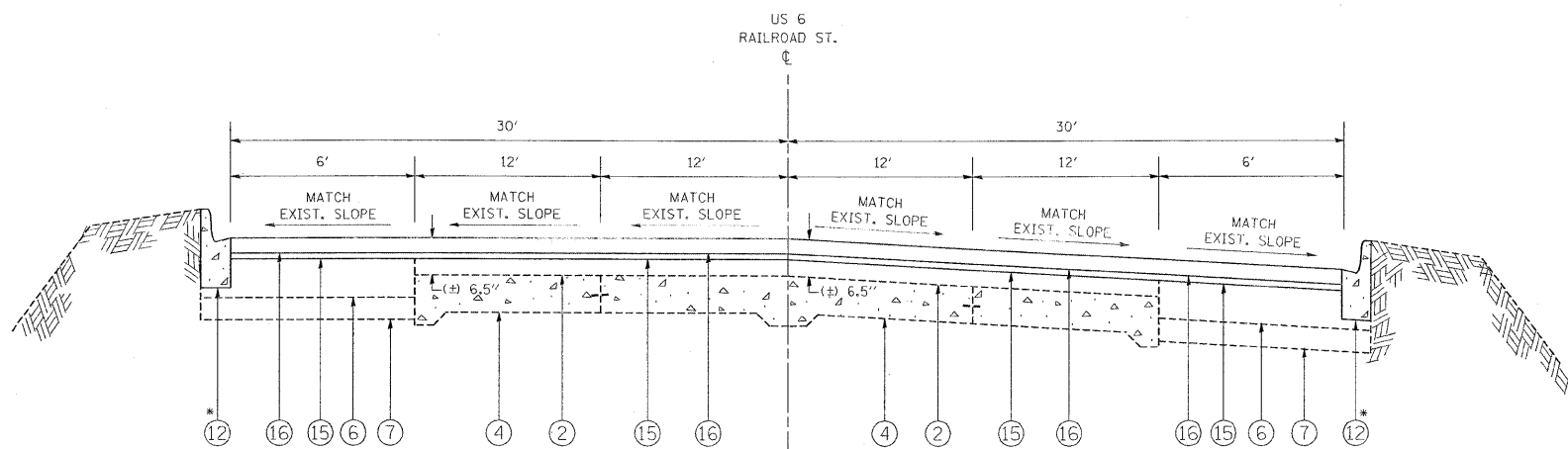
US 6 @ BRANDON RD. (SHOULDER SECTIONS)  
 PROPOSED TYPICAL SECTION  
 STA. 167+01 TO STA. 177+12  
 STA. 180+73 TO STA. 207+94  
 STA. 221+06 TO STA. 222+56

" THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING".  
 (STA. 97+60 TO STA. 167+01)  
 (STA. 177+12 TO STA. 180+73)  
 (STA. 222+56 TO STA. 273+54)

" THE CONTRACTOR SHALL MILL FIRST PRIOR TO PATCHING".  
 (STA. 167+01 TO STA. 177+12)  
 (STA. 180+73 TO STA. 212+50)  
 (STA. 221+06 TO STA. 222+56)  
 (STA. 212+50 TO STA. 221+06)



US 6 @ BRANDON RD. (TANGENT SECTION)  
EXISTING TYPICAL SECTION  
STA. 212+50 TO STA. 217+02



US 6 @ BRANDON RD. (TANGENT SECTION)  
PROPOSED TYPICAL SECTION  
STA. 212+50 TO STA. 217+02

LEGEND

- ① EXISTING HMA SURFACE COURSE, (±) 3"
- ② EXISTING HMA SURFACE COURSE, (±) 6-1/2"
- ③ EXISTING PCC PAVEMENT, (±) 9"
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- ⑤ EXISTING PCC MEDIAN SURFACE, 4"
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- ⑪ EXISTING COMB. CONC. CURB & GUTTER, TYPE B-6.24
- ⑫ PROPOSED COMB. CONC. C&G REMOVAL AND REPLACEMENT
- ⑬ PROPOSED PCC MEDIAN SURFACE, 4"
- ⑭ PROPOSED HMA SURFACE REMOVAL, 2-1/4"
- ⑮ PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- ⑯ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1-1/2"
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NOTE:

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" THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING".  
(STA. 97+60 TO STA. 167+01)  
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(STA. 222+56 TO STA. 273+54)

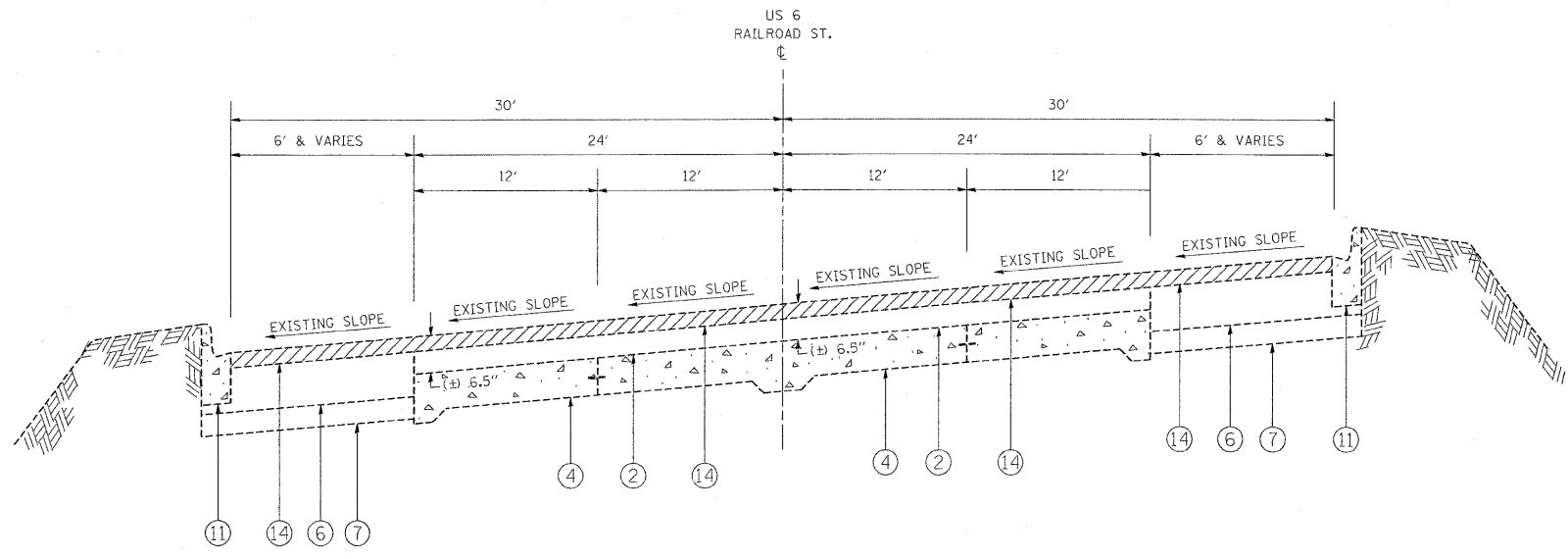
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(STA. 167+01 TO STA. 177+12)  
(STA. 180+73 TO STA. 212+50)  
(STA. 221+06 TO STA. 222+56)  
(STA. 212+50 TO STA. 221+06)

|  |                             |            |           |   |   |                           |            |        |              |           |  |
|--|-----------------------------|------------|-----------|---|---|---------------------------|------------|--------|--------------|-----------|--|
| FILE NAME =  | USER NAME = galbannb        | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>US 6 (CHANNAHON RD./RAILROAD ST.)<br/>EXISTING AND PROPOSED TYPICAL SECTIONS</b> | F.A. RTE.                 | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| et:\pwork\p\p\001\GALBANNB\0140162\0175909-shr-plandgn | PLOT SCALE = 50.0000' / IN. | DRAWN -    | REVISED - |   |   | *                         | 1-D-1-RS-3 | WILL   | 34           | 8         |  |
| PLOT DATE = 6/26/2009                                  | DATE -                      | CHECKED -  | REVISED - |   |   | CONTRACT NO. 60H61        |            |        |              |           |  |
|  |                             |            |           |   |   | ILLINOIS FED. AID PROJECT |            |        |              |           |  |

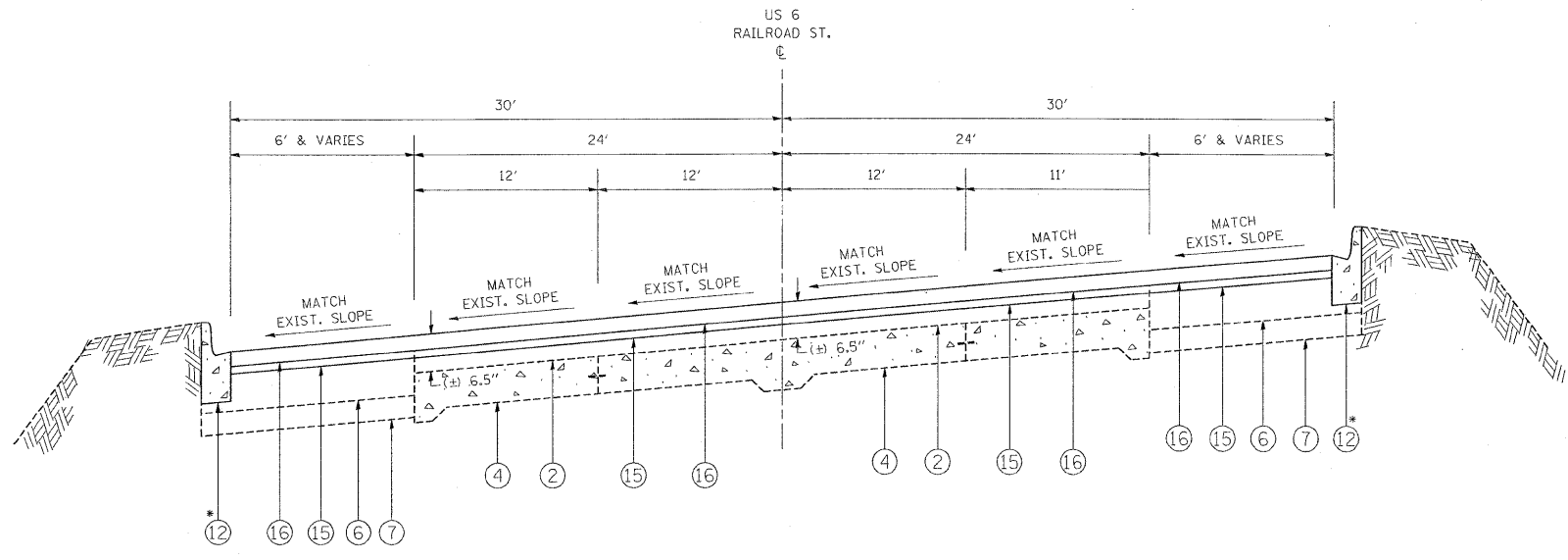
\* FAP 856/FAU 318

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





US 6 @ BRANDON RD. (SUPER ELEVATED SECTION)  
 EXISTING TYPICAL SECTION  
 STA. 207+94 TO STA. 212+50  
 STA. 217+02 TO STA. 221+06



US 6 @ BRANDON RD. (SUPER ELEVATED SECTION)  
 EXISTING TYPICAL SECTION  
 STA. 207+94 TO STA. 212+50  
 STA. 217+02 TO STA. 221+06

LEGEND

- ① EXISTING HMA SURFACE COURSE, (±) 3"
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- ③ EXISTING PCC PAVEMENT, (±) 9"
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NOTE:

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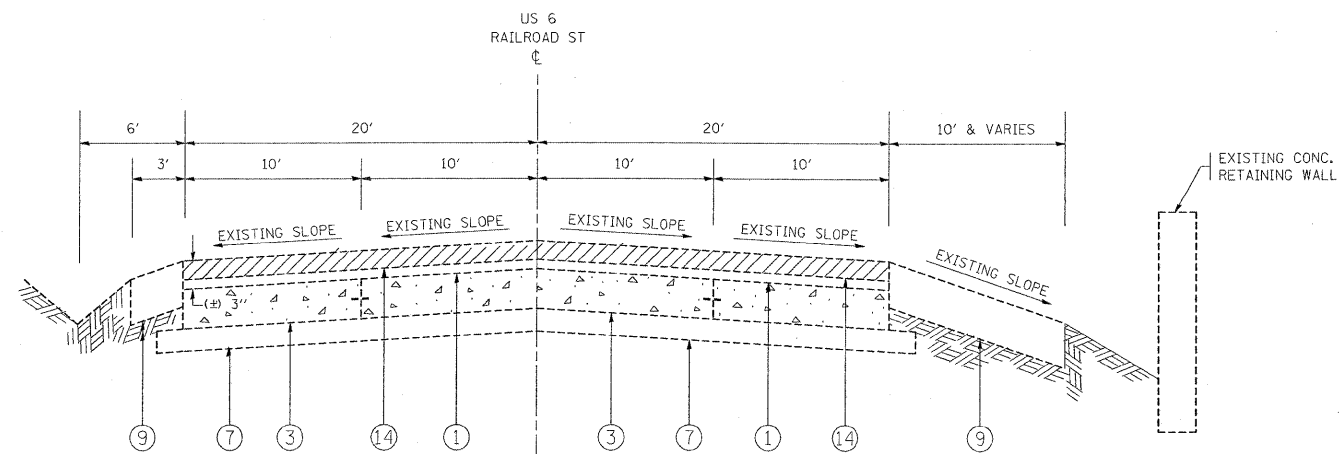
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 (STA. 177+12 TO STA. 180+73)  
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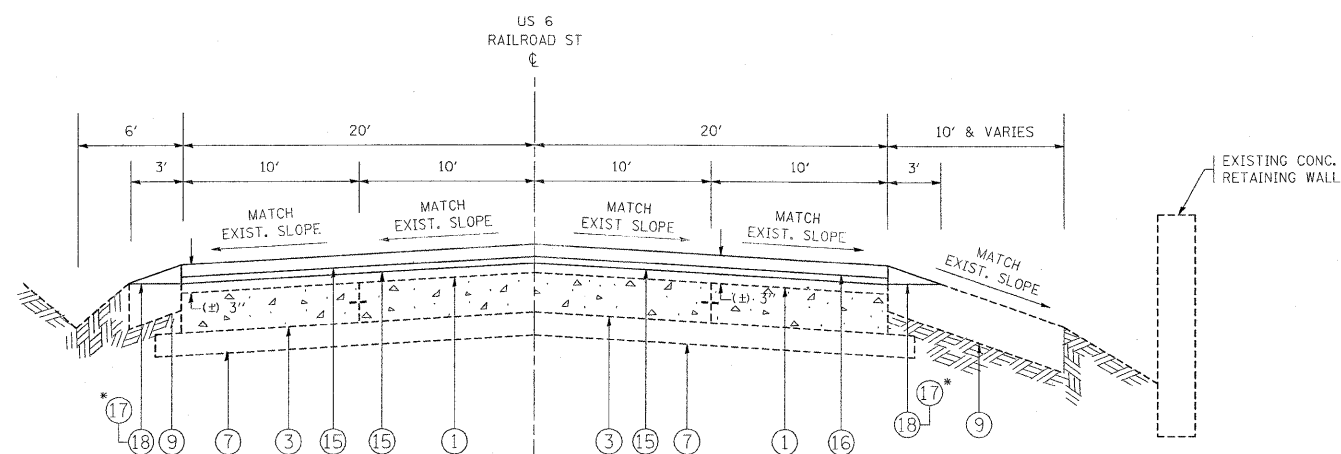
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| FILE NAME =   | USER NAME = galbenrb | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>US 6 (CHANNAHON RD/RAILROAD ST.)<br/>EXISTING AND PROPOSED TYPICAL SECTIONS</b> |           |    | F.A.<br>RTE. | SECTION | COUNTY  | TOTAL<br>SHEETS           | SHEET<br>NO. |   |
| ca:\pw\work\NPI\DOT\GAL\BANNB\d0140162\017999-shr-pln.dgn |                      | DRAWN -    | REVISED - |   | SCALE:   | SHEET NO. | OF | SHEETS       | STA.    | TO STA. | ILLINOIS FED. AID PROJECT | 34           | 9 |
|   |                      | CHECKED -  | REVISED - |   |  |           |    |              |         |         |                           |              |   |
|   |                      | DATE -     | REVISED - |   |  |           |    |              |         |         |                           |              |   |

\* FAP 856/FAU 318

|                    |
|--------------------|
| CONTRACT NO. 60H61 |
|--------------------|



US 6 (RAILROAD ST)  
EXISTING TYPICAL SECTION  
STA. 222+56 TO STA. 273+54



US 6 (RAILROAD ST)  
EXISTING TYPICAL SECTION  
STA. 222+56 TO STA. 273+54

LEGEND

- ① EXISTING HMA SURFACE COURSE, (±) 3"
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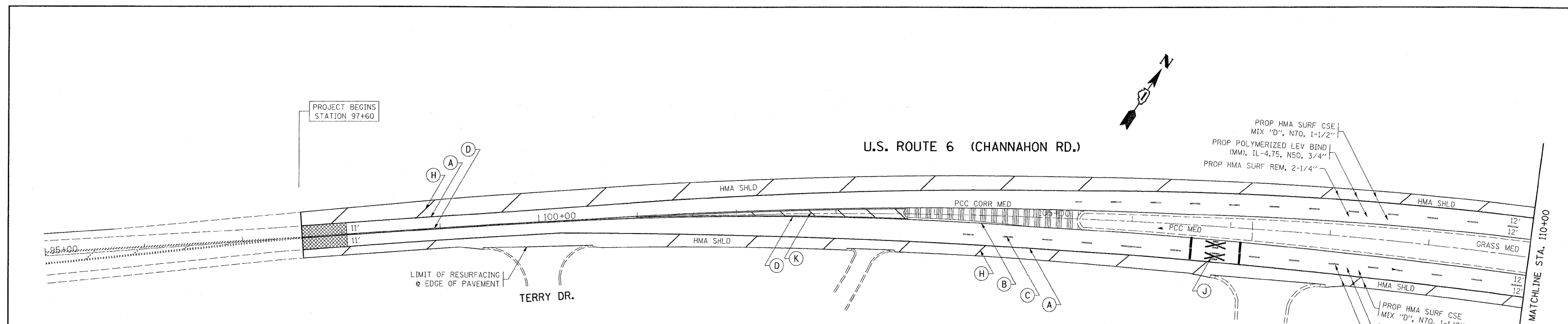
NOTE:

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(STA. 177+12 TO STA. 180+73)  
(STA. 222+56 TO STA. 273+54)

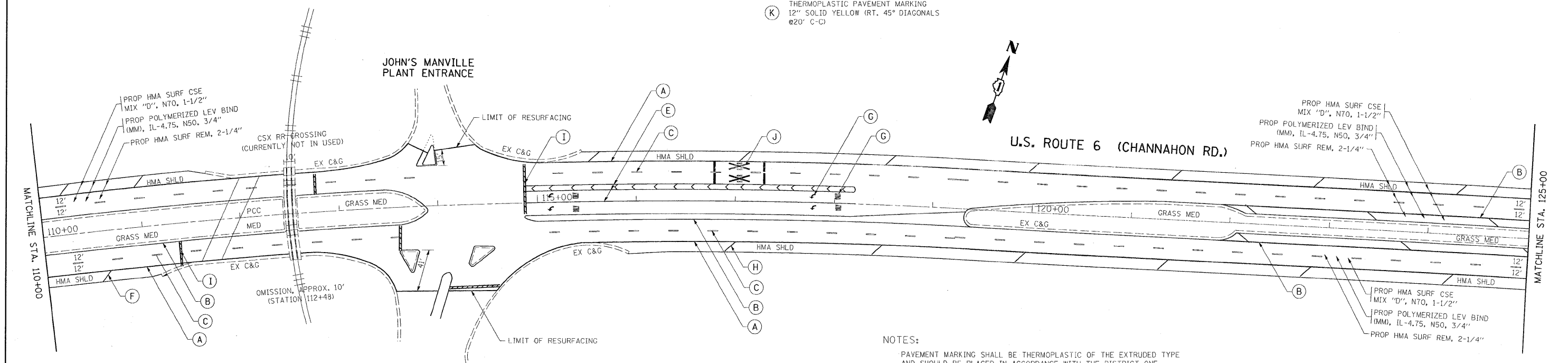
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(STA. 167+01 TO STA. 177+12)  
(STA. 180+73 TO STA. 212+50)  
(STA. 221+06 TO STA. 222+56)  
(STA. 212+50 TO STA. 221+06)

|   |                             |            |           |   |  |                           |      |           |         |        |              |           |
|---|-----------------------------|------------|-----------|---|--|---------------------------|------|-----------|---------|--------|--------------|-----------|
| FILE NAME =   | USER NAME = galbannb        | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>US 6 (CHANNAHON RD/RAILROAD ST.)<br/>EXISTING AND PROPOSED TYPICAL SECTIONS</b> | * FAP 856/FAU 318         |      | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ca:\pwork\pwork\DOT\GALBANNB\0140162\0175909-sht-plenudgn | PLOT SCALE = 50.0000' / IN. | DRAWN -    | REVISED - |   |  | 1-D-1-RS-3                | WILL | 34        | 10      |        |              |           |
| PLOT DATE = 6/26/2009                                     | DATE -                      | CHECKED -  | REVISED - |   |  | CONTRACT NO. 60H61        |      |           |         |        |              |           |
|   |                             |            |           |   |  | ILLINOIS FED. AID PROJECT |      |           |         |        |              |           |
|   |                             |            |           | SCALE:  | SHEET NO. OF SHEETS  | STA. TO STA.              |      |           |         |        |              |           |



**THERMOPLASTIC PAVEMENT MARKING LEGEND**

- |  |   |
|--|---|
| <p>(A) THERMOPLASTIC PAVEMENT MARKING<br/>4" SOLID WHITE, EDGE LINE (TYPICAL)</p> <p>(B) THERMOPLASTIC PAVEMENT MARKING<br/>4" SOLID YELLOW, MEDIAN EDGE LINE (TYPICAL)</p> <p>(C) THERMOPLASTIC PAVEMENT MARKING<br/>4" WHITE SKIP-DASH (10' DASH, 30' SKIP) (TYPICAL)</p> <p>(D) THERMOPLASTIC PAVEMENT MARKING<br/>4" DOUBLE YELLOW, 2 @ 11" C-C (TYPICAL)</p> <p>(E) THERMOPLASTIC PAVEMENT MARKING<br/>6" SOLID WHITE, TURN LANE LINE (TYPICAL)</p> | <p>(F) THERMOPLASTIC PAVEMENT MARKING<br/>8" SOLID WHITE WITH 12" DIAGONALS @ 45° (TYPICAL)</p> <p>(G) THERMOPLASTIC PAVEMENT MARKING<br/>LETTERS &amp; SYMBOLS, WHITE (TYPICAL)</p> <p>(H) THERMOPLASTIC PAVEMENT MARKING<br/>12" SOLID WHITE SHOULDER DIAGONAL @ 45° (75' C-C FOR 45 MPH) (TYPICAL)</p> <p>(I) THERMOPLASTIC PAVEMENT MARKING<br/>24" SOLID WHITE, STOP BAR (TYPICAL)</p> <p>(J) THERMOPLASTIC PAVEMENT MARKING<br/>24" SOLID WHITE TRANSVERSE LINES: "RR" IS 6' LETTERS; 16" LINE FOR "X" (RAILROAD CROSSING) (TYPICAL)</p> <p>(K) THERMOPLASTIC PAVEMENT MARKING<br/>12" SOLID YELLOW (RT. 45° DIAGONALS @ 20' C-C)</p> |
|--|---|



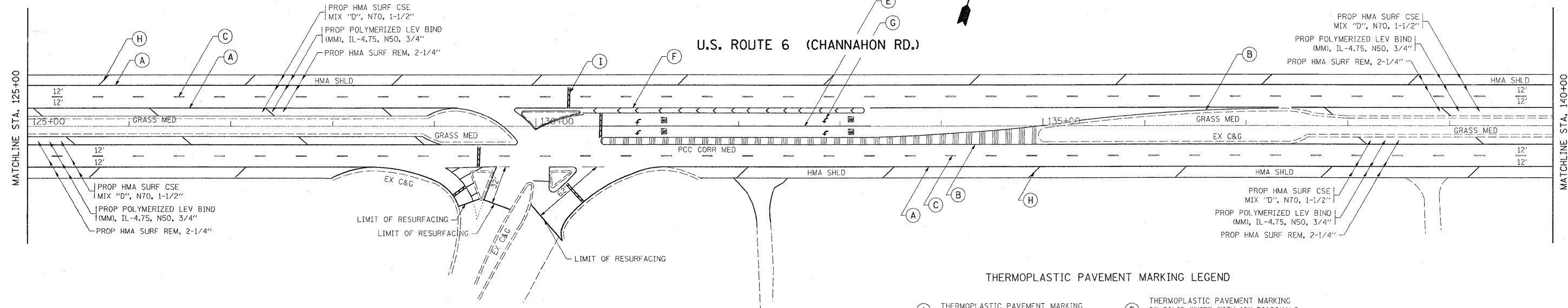
**NOTES:**

PAVEMENT MARKING SHALL BE THERMOPLASTIC OF THE EXTRUDED TYPE AND SHOULD BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL PAVEMENT MARKING DETAILS".

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS".

THE RESIDENT ENGINEER SHALL CONTACT Ms. CORA MATHIS, TRAFFIC FIELD ENGINEER AT (847) 715-8428 A MINIMUM OF TWO WEEKS PRIOR TO THE PLACEMENT OF ANY PERMANENT MARKINGS.

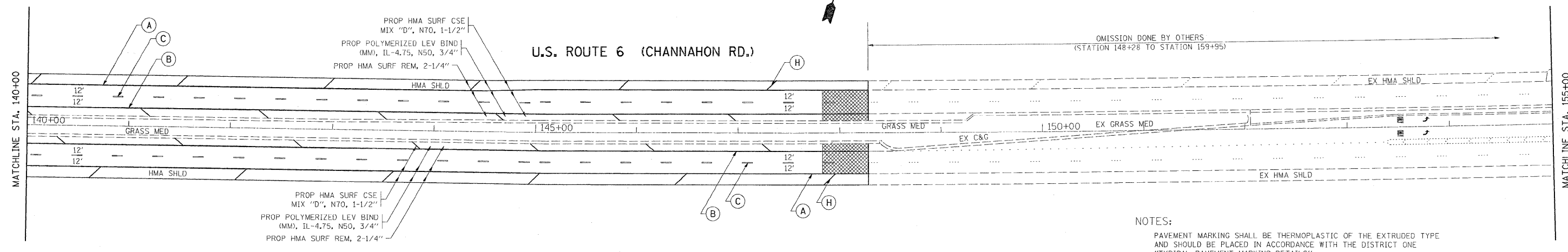
|  |                             |            |           |   |   |                           |         |        |              |           |
|--|-----------------------------|------------|-----------|---|---|---------------------------|---------|--------|--------------|-----------|
| FILE NAME =  | USER NAME = galbannb        | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>U.S. ROUTE 6 (CHANNAHON RD./RAILROAD ST.)<br/>TERRY RD. TO U.S. ROUTE 52 (MCDONOUGH ST.)</b> | F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ca:\pwwork\pwwdot\galbannb\d0140162\0179109.sht:plan.dgn | PLOT SCALE = 50.0000' / IN. | DRAWN -    | REVISED - |   |   | 1-D-1-RS-3                | WILL    | 34     | 11           |           |
| PLOT DATE = 6/26/2009                                    | DATE -                      | CHECKED -  | REVISED - |   |   | CONTRACT NO. 60H61        |         |        |              |           |
|  |                             |            |           |   |   | ILLINOIS FED. AID PROJECT |         |        |              |           |



CATERPILLAR PLANT  
EAST ENTRANCE

**THERMOPLASTIC PAVEMENT MARKING LEGEND**

- (A) THERMOPLASTIC PAVEMENT MARKING  
4" SOLID WHITE, EDGE LINE (TYPICAL)
- (B) THERMOPLASTIC PAVEMENT MARKING  
4" SOLID YELLOW, MEDIAN EDGE LINE (TYPICAL)
- (C) THERMOPLASTIC PAVEMENT MARKING  
4" WHITE SKIP-DASH (10' DASH, 30' SKIP) (TYPICAL)
- (D) THERMOPLASTIC PAVEMENT MARKING  
4" DOUBLE YELLOW, 2 @ 11" C-C (TYPICAL)
- (E) THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE, TURN LANE LINE (TYPICAL)
- (F) THERMOPLASTIC PAVEMENT MARKING  
8" SOLID WHITE WITH 12" DIAGONALS @ 45° (TYPICAL)
- (G) THERMOPLASTIC PAVEMENT MARKING  
LETTERS & SYMBOLS, WHITE (TYPICAL)
- (H) THERMOPLASTIC PAVEMENT MARKING  
12" SOLID WHITE SHOULDER DIAGONAL @ 45° (75' C-C FOR 45 MPH) (TYPICAL)
- (I) THERMOPLASTIC PAVEMENT MARKING  
24" SOLID WHITE, STOP BAR (TYPICAL)
- (J) THERMOPLASTIC PAVEMENT MARKING  
24" SOLID WHITE TRANSVERSE LINES: "RR" IS 6" LETTERS; 16" LINE FOR "X" (RAILROAD CROSSING) (TYPICAL)
- (K) THERMOPLASTIC PAVEMENT MARKING  
12" SOLID YELLOW (RT. 45° DIAGONALS @ 20' C-C)



**NOTES:**

PAVEMENT MARKING SHALL BE THERMOPLASTIC OF THE EXTRUDED TYPE AND SHOULD BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL PAVEMENT MARKING DETAILS".

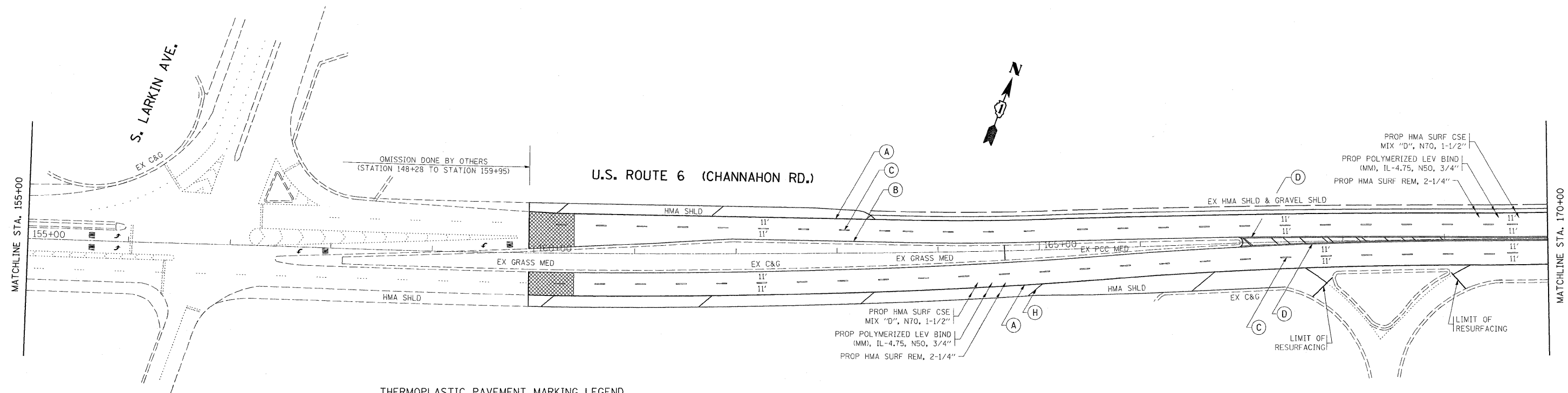
RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS".

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|   |                             |            |           |   |   |                           |         |        |              |           |  |
|---|-----------------------------|------------|-----------|---|---|---------------------------|---------|--------|--------------|-----------|--|
| FILE NAME =   | USER NAME = galbannb        | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>U.S. ROUTE 6 (CHANNAHON RD./RAILROAD ST.)<br/>TERRY RD. TO U.S. ROUTE 52 (McDONOUGH ST.)</b> | F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| cr:\pe\work\p\w\DOT\GALBANNB\0148162\0175\89-shr\p\ar.dgn | PLOT SCALE = 50.0000' / IN. | DRAWN -    | REVISED - |   |   | 1-D-1-RS-3                | WILL    | 34     | 12           |           |  |
| PLOT DATE = 6/26/2009                                     | DATE -                      | CHECKED -  | REVISED - |   |   | CONTRACT NO. 60H61        |         |        |              |           |  |
|   |                             |            |           |   |   | ILLINOIS FED. AID PROJECT |         |        |              |           |  |

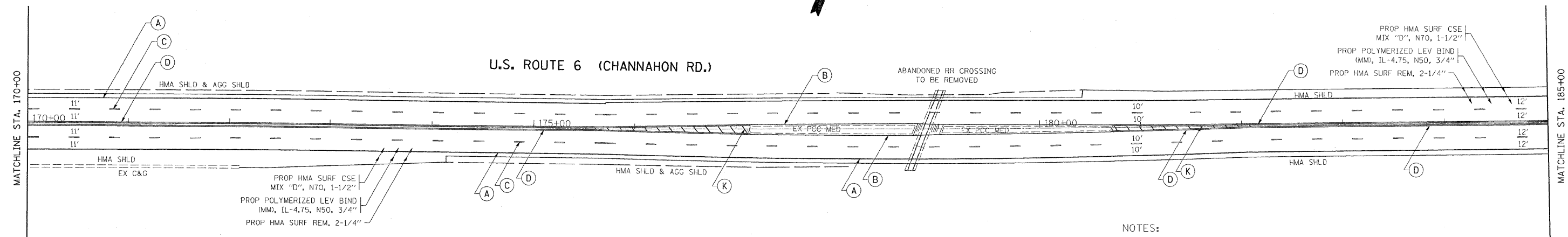
\* FAP 856/FAU 318

SCALE: SHEET NO. OF SHEETS STA. 125+00 TO STA. 155+00



**THERMOPLASTIC PAVEMENT MARKING LEGEND**

- |  |  |
|--|--|
| (A) THERMOPLASTIC PAVEMENT MARKING<br>4" SOLID WHITE, EDGE LINE (TYPICAL)                  | (F) THERMOPLASTIC PAVEMENT MARKING<br>8" SOLID WHITE WITH 12" DIAGONALS<br>@ 45° (TYPICAL)   |
| (B) THERMOPLASTIC PAVEMENT MARKING<br>4" SOLID YELLOW, MEDIAN EDGE LINE<br>(TYPICAL)       | (G) THERMOPLASTIC PAVEMENT MARKING<br>LETTERS & SYMBOLS, WHITE (TYPICAL)   |
| (C) THERMOPLASTIC PAVEMENT MARKING<br>4" WHITE SKIP-DASH (10' DASH,<br>30' SKIP) (TYPICAL) | (H) THERMOPLASTIC PAVEMENT MARKING<br>12" SOLID WHITE SHOULDER DIAGONAL<br>@ 45° (75' C-C FOR 45 MPH) (TYPICAL)                                  |
| (D) THERMOPLASTIC PAVEMENT MARKING<br>4" DOUBLE YELLOW, 2 @ 11" C-C<br>(TYPICAL)           | (I) THERMOPLASTIC PAVEMENT MARKING<br>24" SOLID WHITE, STOP BAR (TYPICAL)  |
| (E) THERMOPLASTIC PAVEMENT MARKING<br>6" SOLID WHITE, TURN LANE LINE<br>(TYPICAL)          | (J) THERMOPLASTIC PAVEMENT MARKING<br>24" SOLID WHITE TRANSVERSE LINES;<br>"RR" IS 6" LETTERS; 16" LINE FOR "X"<br>(RAILROAD CROSSING) (TYPICAL) |
|  | (K) THERMOPLASTIC PAVEMENT MARKING<br>12" SOLID YELLOW (RT. 45° DIAGONALS<br>@ 20' C-C)  |



**NOTES:**

PAVEMENT MARKING SHALL BE THERMOPLASTIC OF THE EXTRUDED TYPE AND SHOULD BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL PAVEMENT MARKING DETAILS".

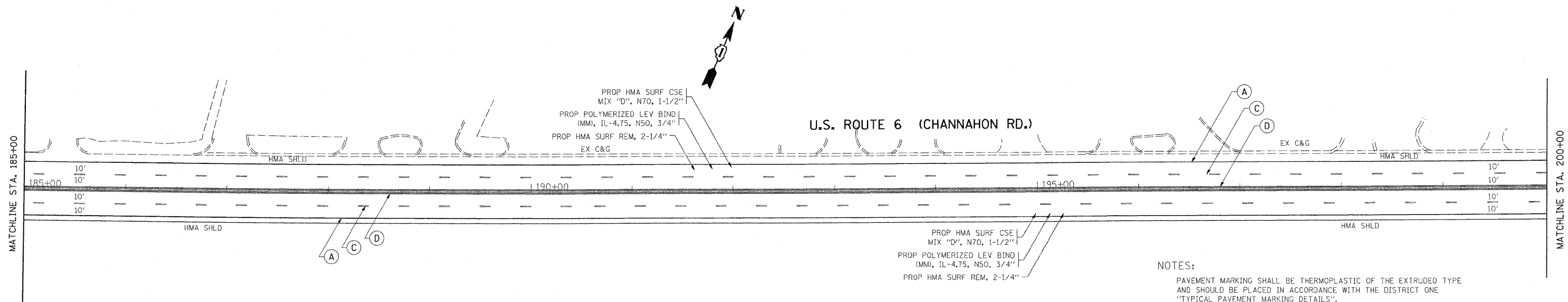
RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS".

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|   |                             |            |           |   |   |                           |         |        |              |           |
|---|-----------------------------|------------|-----------|---|---|---------------------------|---------|--------|--------------|-----------|
| FILE NAME =   | USER NAME = galbannb        | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>U.S. ROUTE 6 (CHANNAHON RD./RAILROAD ST.)<br/>TERRY RD. TO U.S. ROUTE 52 (McDONOUGH ST.)</b> | F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ca:\pwork\p1001\GALBANNB\0140102\0175909.sht:plan.dgn | PLOT SCALE = 50.0000' / IN. | DRAWN -    | REVISED - |   |   | 1-D-1-RS-3                | WILL    | 34     | 13           |           |
| PLOT DATE = 6/26/2009                                 | DATE -                      | CHECKED -  | REVISED - |   |   | CONTRACT NO. 60H61        |         |        |              |           |
|   |                             | DATE -     | REVISED - |   |   | ILLINOIS FED. AID PROJECT |         |        |              |           |

• FAP 856/FAU 318

SCALE: SHEET NO. OF SHEETS STA. 155+00 TO STA. 185+00



**NOTES:**

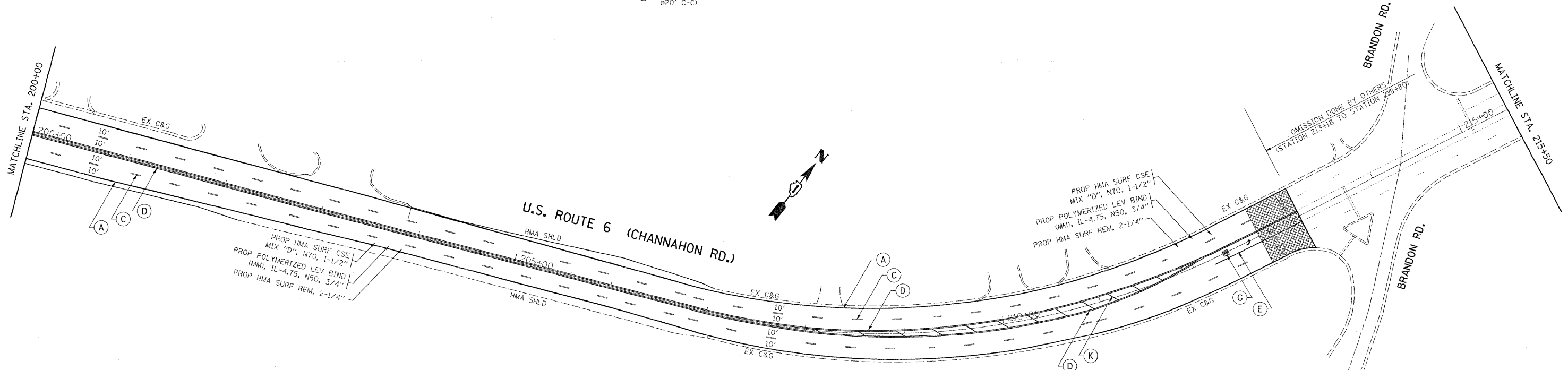
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**THERMOPLASTIC PAVEMENT MARKING LEGEND**

- |  |   |
|--|---|
| <p>(A) THERMOPLASTIC PAVEMENT MARKING<br/>4" SOLID WHITE, EDGE LINE (TYPICAL)</p> <p>(B) THERMOPLASTIC PAVEMENT MARKING<br/>4" SOLID YELLOW, MEDIAN EDGE LINE (TYPICAL)</p> <p>(C) THERMOPLASTIC PAVEMENT MARKING<br/>4" WHITE SKIP-DASH (10' DASH, 30' SKIP) (TYPICAL)</p> <p>(D) THERMOPLASTIC PAVEMENT MARKING<br/>4" DOUBLE YELLOW, 2 @ 11" C-C (TYPICAL)</p> <p>(E) THERMOPLASTIC PAVEMENT MARKING<br/>6" SOLID WHITE, TURN LANE LINE (TYPICAL)</p> | <p>(F) THERMOPLASTIC PAVEMENT MARKING<br/>8" SOLID WHITE WITH 12" DIAGONALS @ 45° (TYPICAL)</p> <p>(G) THERMOPLASTIC PAVEMENT MARKING<br/>LETTERS &amp; SYMBOLS, WHITE (TYPICAL)</p> <p>(H) THERMOPLASTIC PAVEMENT MARKING<br/>12" SOLID WHITE SHOULDER DIAGONAL @ 45° (75' C-C FOR 45 MPH) (TYPICAL)</p> <p>(I) THERMOPLASTIC PAVEMENT MARKING<br/>24" SOLID WHITE, STOP BAR (TYPICAL)</p> <p>(J) THERMOPLASTIC PAVEMENT MARKING<br/>24" SOLID WHITE TRANSVERSE LINES:<br/>"RR" IS 6" LETTERS; 16" LINE FOR "X"<br/>(RAILROAD CROSSING) (TYPICAL)</p> <p>(K) THERMOPLASTIC PAVEMENT MARKING<br/>12" SOLID YELLOW (RT. 45° DIAGONALS @ 20' C-C)</p> |
|--|---|



FILE NAME =  
c:\pwwork\pwwork\GALBANN\00140162\0179309-shit-plan.dgn

USER NAME = galbannb  
PLOT SCALE = 50.0000' / IN.  
PLOT DATE = 6/26/2009

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

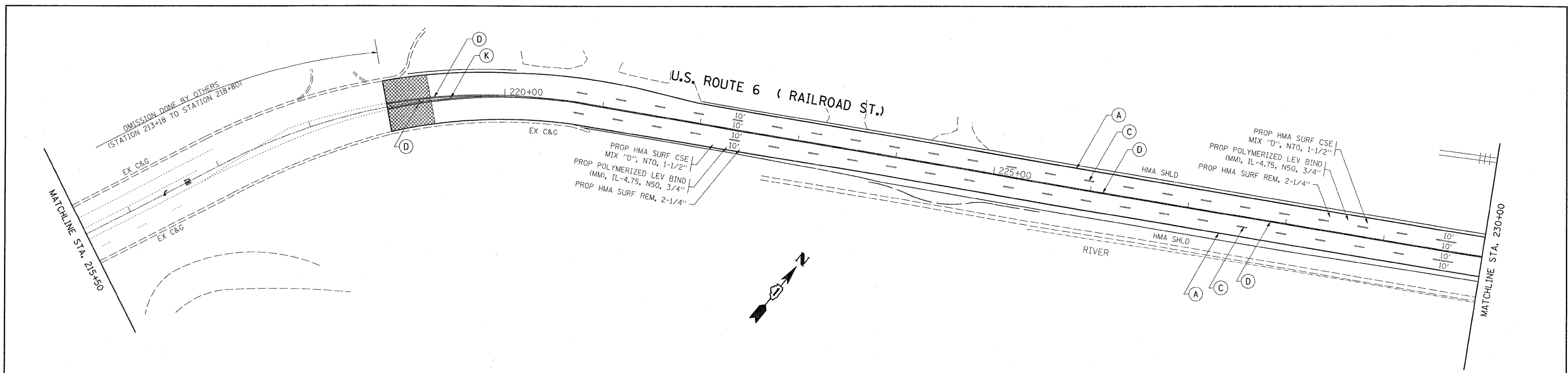
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 6 (CHANNAHON RD./RAILROAD ST.)  
TERRY RD. TO U.S. ROUTE 52 (McDONOUGH ST.)**

SCALE: SHEET NO. OF SHEETS STA. 185+00 TO STA. 215+50

|                    |            |        |                           |           |
|--------------------|------------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
| .                  | 1-D-1-RS-3 | WILL   | 34                        | 14        |
| CONTRACT NO. 60H61 |            |        | ILLINOIS FED. AID PROJECT |           |



**THERMOPLASTIC PAVEMENT MARKING LEGEND**

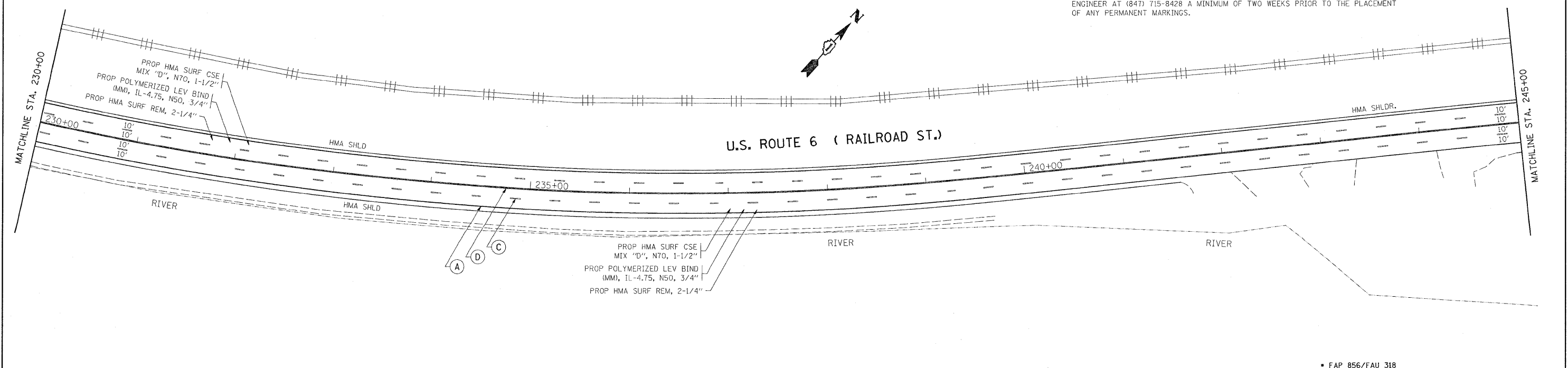
- |  |  |
|--|--|
| (A) THERMOPLASTIC PAVEMENT MARKING<br>4" SOLID WHITE, EDGE LINE (TYPICAL)                  | (F) THERMOPLASTIC PAVEMENT MARKING<br>8" SOLID WHITE WITH 12" DIAGONALS<br>@ 45° (TYPICAL)   |
| (B) THERMOPLASTIC PAVEMENT MARKING<br>4" SOLID YELLOW, MEDIAN EDGE LINE<br>(TYPICAL)       | (G) THERMOPLASTIC PAVEMENT MARKING<br>LETTERS & SYMBOLS, WHITE (TYPICAL)   |
| (C) THERMOPLASTIC PAVEMENT MARKING<br>4" WHITE SKIP-DASH (10' DASH,<br>30' SKIP) (TYPICAL) | (H) THERMOPLASTIC PAVEMENT MARKING<br>12" SOLID WHITE SHOULDER DIAGONAL<br>@ 45° (75' C-C FOR 45 MPH) (TYPICAL)                                  |
| (D) THERMOPLASTIC PAVEMENT MARKING<br>4" DOUBLE YELLOW, 2 @ 11" C-C<br>(TYPICAL)           | (I) THERMOPLASTIC PAVEMENT MARKING<br>24" SOLID WHITE, STOP BAR (TYPICAL)  |
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|  | (K) THERMOPLASTIC PAVEMENT MARKING<br>12" SOLID YELLOW (RT, 45° DIAGONALS<br>@20' C-C)   |

**NOTES:**

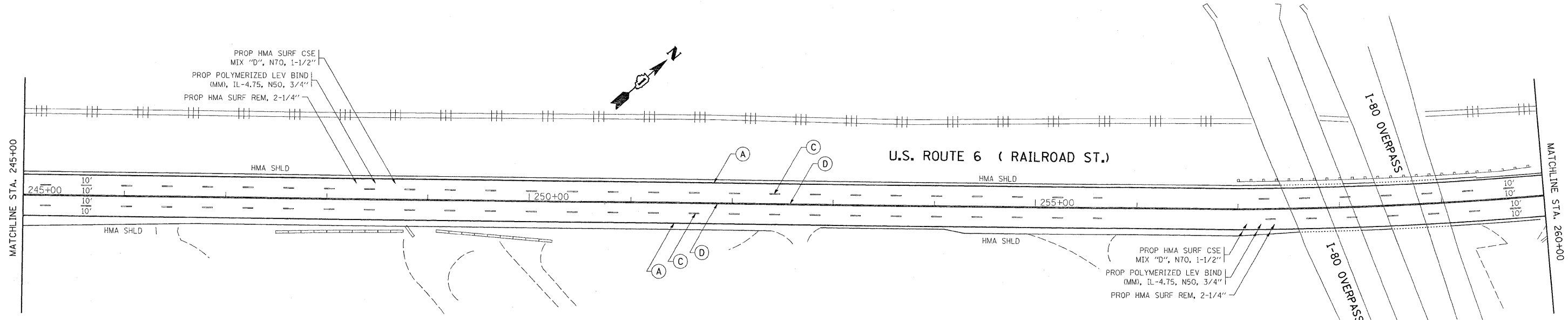
PAVEMENT MARKING SHALL BE THERMOPLASTIC OF THE EXTRUDED TYPE AND SHOULD BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL PAVEMENT MARKING DETAILS".

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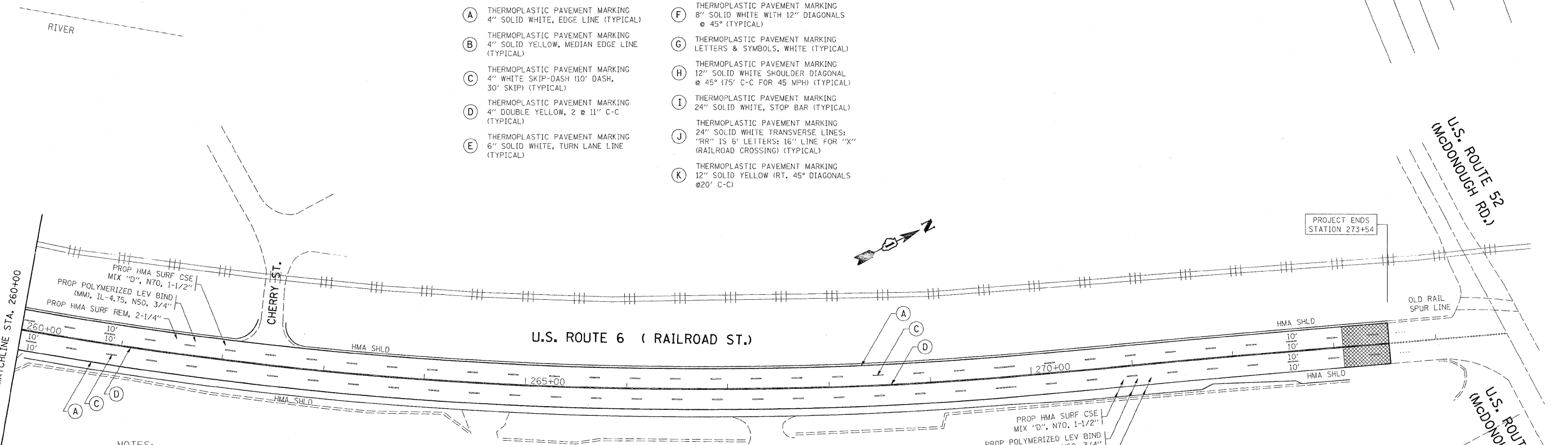


|   |                             |            |           |   |   |                           |         |        |              |           |
|---|-----------------------------|------------|-----------|---|---|---------------------------|---------|--------|--------------|-----------|
| FILE NAME =   | USER NAME = galbannb        | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>U.S. ROUTE 6 (CHANNAHON RD./RAILROAD ST.)<br/>TERRY RD. TO U.S. ROUTE 52 (McDONOUGH ST.)</b> | F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| c:\pwwork\pwi001\GALBANNB\0140162\0175909-shit-plan.dgn | PLOT SCALE = 50.0000' / IN. | DRAWN -    | REVISED - |   |   | 1-D-1-RS-3                | WILL    | 34     | 15           |           |
| PLOT DATE = 6/26/2009                                   | DATE -                      | CHECKED -  | REVISED - |   |   | CONTRACT NO. 60H61        |         |        |              |           |
|   |                             |            |           |   |   | ILLINOIS FED. AID PROJECT |         |        |              |           |



**THERMOPLASTIC PAVEMENT MARKING LEGEND**

- |  |   |
|--|---|
| <p>(A) THERMOPLASTIC PAVEMENT MARKING<br/>4" SOLID WHITE, EDGE LINE (TYPICAL)</p> <p>(B) THERMOPLASTIC PAVEMENT MARKING<br/>4" SOLID YELLOW, MEDIAN EDGE LINE (TYPICAL)</p> <p>(C) THERMOPLASTIC PAVEMENT MARKING<br/>4" WHITE SKIP-DASH (10' DASH, 30' SKIP) (TYPICAL)</p> <p>(D) THERMOPLASTIC PAVEMENT MARKING<br/>4" DOUBLE YELLOW, 2 @ 11" C-C (TYPICAL)</p> <p>(E) THERMOPLASTIC PAVEMENT MARKING<br/>6" SOLID WHITE, TURN LANE LINE (TYPICAL)</p> | <p>(F) THERMOPLASTIC PAVEMENT MARKING<br/>8" SOLID WHITE WITH 12" DIAGONALS @ 45° (TYPICAL)</p> <p>(G) THERMOPLASTIC PAVEMENT MARKING<br/>LETTERS &amp; SYMBOLS, WHITE (TYPICAL)</p> <p>(H) THERMOPLASTIC PAVEMENT MARKING<br/>12" SOLID WHITE SHOULDER DIAGONAL @ 45° (75' C-C FOR 45 MPH) (TYPICAL)</p> <p>(I) THERMOPLASTIC PAVEMENT MARKING<br/>24" SOLID WHITE, STOP BAR (TYPICAL)</p> <p>(J) THERMOPLASTIC PAVEMENT MARKING<br/>24" SOLID WHITE TRANSVERSE LINES; "RR" IS 6" LETTERS; 16" LINE FOR "X" (RAILROAD CROSSING) (TYPICAL)</p> <p>(K) THERMOPLASTIC PAVEMENT MARKING<br/>12" SOLID YELLOW (RT. 45° DIAGONALS @ 20' C-C)</p> |
|--|---|



**NOTES:**

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RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS".

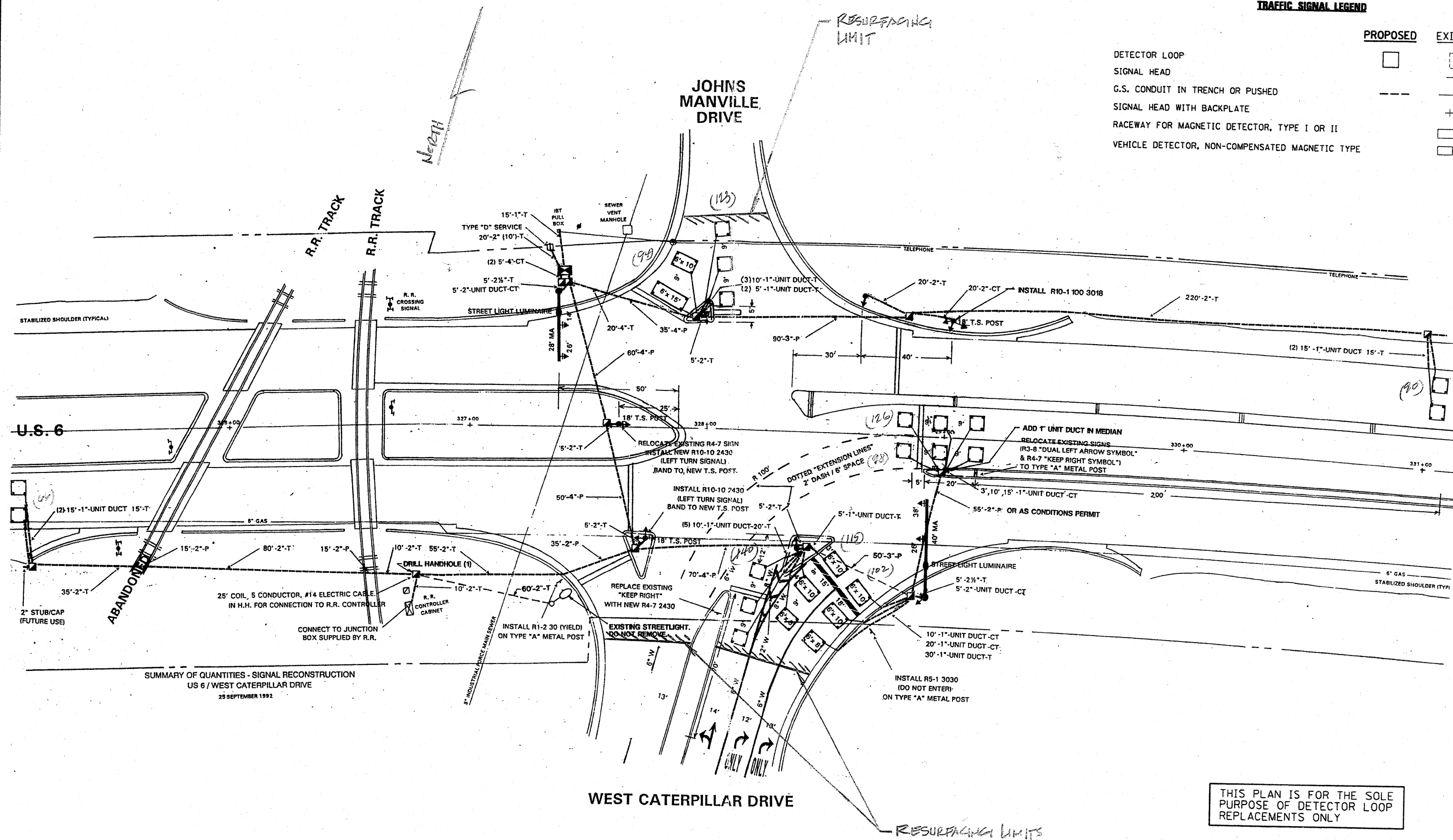
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|  |                             |            |           |   |   |                     |                              |         |            |              |           |    |
|--|-----------------------------|------------|-----------|---|---|---------------------|------------------------------|---------|------------|--------------|-----------|----|
| FILE NAME =  | USER NAME = galbannb        | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>U.S. ROUTE 6 (CHANNAHOV RD./RAILROAD ST.)<br/>TERRY RD. TO U.S. ROUTE 52 (MCDONOUGH ST.)</b> |                     | F.A. RTE.                    | SECTION | COUNTY     | TOTAL SHEETS | SHEET NO. |    |
| at:\pwork\p\DOT\GALBANNB\0140162\017989-shr-plen.dgn | PLOT SCALE = 50.0000' / IN. | DRAWN -    | REVISED - |   | SCALE:  | SHEET NO. OF SHEETS | STA. 245+00 TO STA. 274+69.5 | *       | 1-D-1-RS-3 | WILL         | 34        | 16 |
|  | PLOT DATE = 6/26/2009       | CHECKED -  | REVISED - |   | CONTRACT NO. 60H61  |                     |                              |         |            |              |           |    |
|  |                             | DATE -     | REVISED - |   | ILLINOIS FED. AID PROJECT   |                     |                              |         |            |              |           |    |



**TRAFFIC SIGNAL LEGEND**

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



SUMMARY OF QUANTITIES - SIGNAL RECONSTRUCTION  
US 6 / WEST CATERPILLAR DRIVE  
25 SEPTEMBER 1992

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                       |
|----------|----------|------|----------------------------|
| 86600600 | 314      | FOOT | DETECTOR LOOP, REPLACEMENT |

|   |                            |                |           |
|---|----------------------------|----------------|-----------|
| FILE NAME =                               | USER NAME = konthaphixaybc | DESIGNED - BCK | REVISED - |
| ct:\pw_work\PIWIDOT\KANTHAPHIXAYBC\d01126 | 4\traffic_logand_v7.dgn    | DRAWN - BCK    | REVISED - |
|   | PLOT SCALE = 3/4" = 1' IN. | CHECKED - DAD  | REVISED - |
|   | PLOT DATE = 4/3/2009       | DATE           | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE - DETECTOR LOOP REPLACEMENT  
U.S. ROUTE 6 @ W. CATERPILLAR DR.

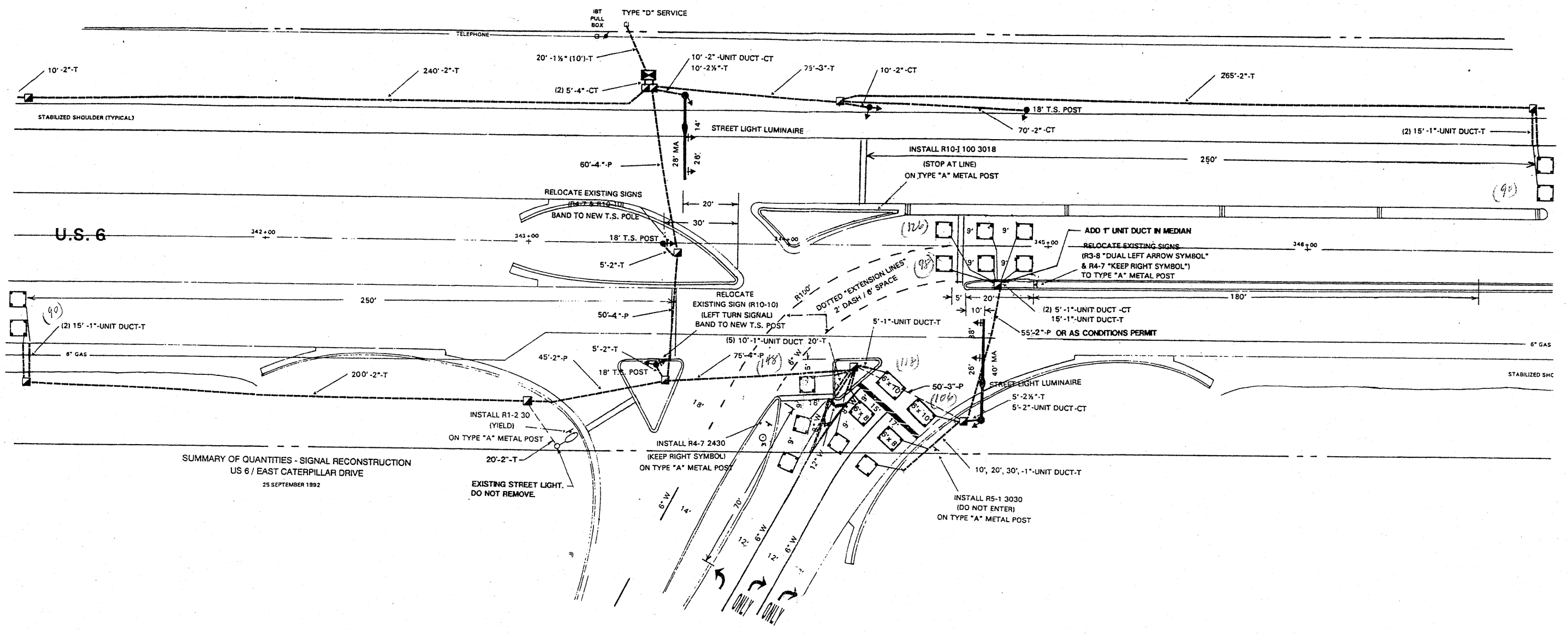
|                |         |        |              |           |
|----------------|---------|--------|--------------|-----------|
| F.A. RTE.      | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| * 1-D-1-RS-3   | Will    | 34     | 17           |           |
| CONTRACT NO. * |         |        |              |           |

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

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
\* FARRINGTON

**TRAFFIC SIGNAL LEGEND**

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



SUMMARY OF QUANTITIES - SIGNAL RECONSTRUCTION  
US 6 / EAST CATERPILLAR DRIVE  
25 SEPTEMBER 1992

**EAST CATERPILLAR DRIVE**

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                       |
|----------|----------|------|----------------------------|
| 86600600 | 776      | FOOT | DETECTOR LOOP, REPLACEMENT |

|  |                            |                |           |
|--|----------------------------|----------------|-----------|
| FILE NAME =                            | USER NAME = kenthaphixaybc | DESIGNED - BCK | REVISED - |
| cr:\pwork\VP\DOT\KANTHAPHIXAYBC\081126 | 4\tr-offic_legend_v7.dgn   | DRAWN - BCK    | REVISED - |
|  | PLOT SCALE = 3/8" = 1' IN. | CHECKED - DAD  | REVISED - |
|  | PLOT DATE = 4/3/2009       | DATE -         | REVISED - |

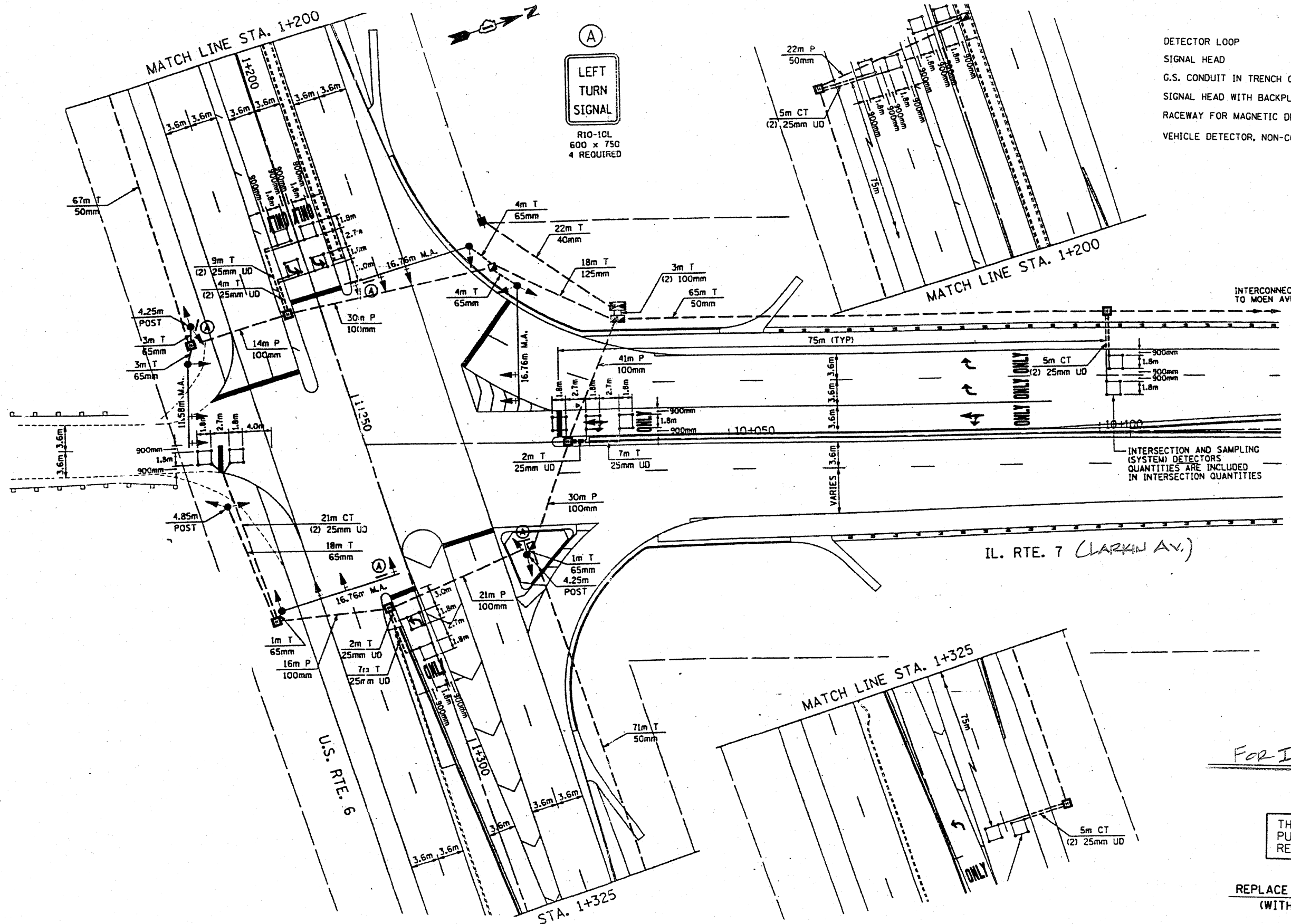
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT**  
U.S. ROUTE 6 @ E. CATERPILLAR DR.

|           |         |        |              |           |
|-----------|---------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| *         |         | WILL   | 34           | 18        |

**TRAFFIC SIGNAL LEGEND**

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



*FOR INFORMATION ONLY*

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                       |
|----------|----------|------|----------------------------|
| 86600600 |          | FOOT | DETECTOR LOOP, REPLACEMENT |

|  |                             |                |           |
|--|-----------------------------|----------------|-----------|
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|  | PLOT SCALE = 39.9360' / IN. | CHECKED - DAD  | REVISED - |
|  | PLOT DATE = 4/3/2009        | DATE -         | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT  
U.S. ROUTE 6 @ IL. RTE. 7**

|   |         |        |              |           |
|---|---------|--------|--------------|-----------|
| F.A. RTE.                                     | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| * 1-D-1-RS-3                                  |         | WILL   | 34           | 19        |
| CONTRACT NO. *                                |         |        |              |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |         |        |              |           |
| * PAPER 0318 FAU0318 * 60401                  |         |        |              |           |

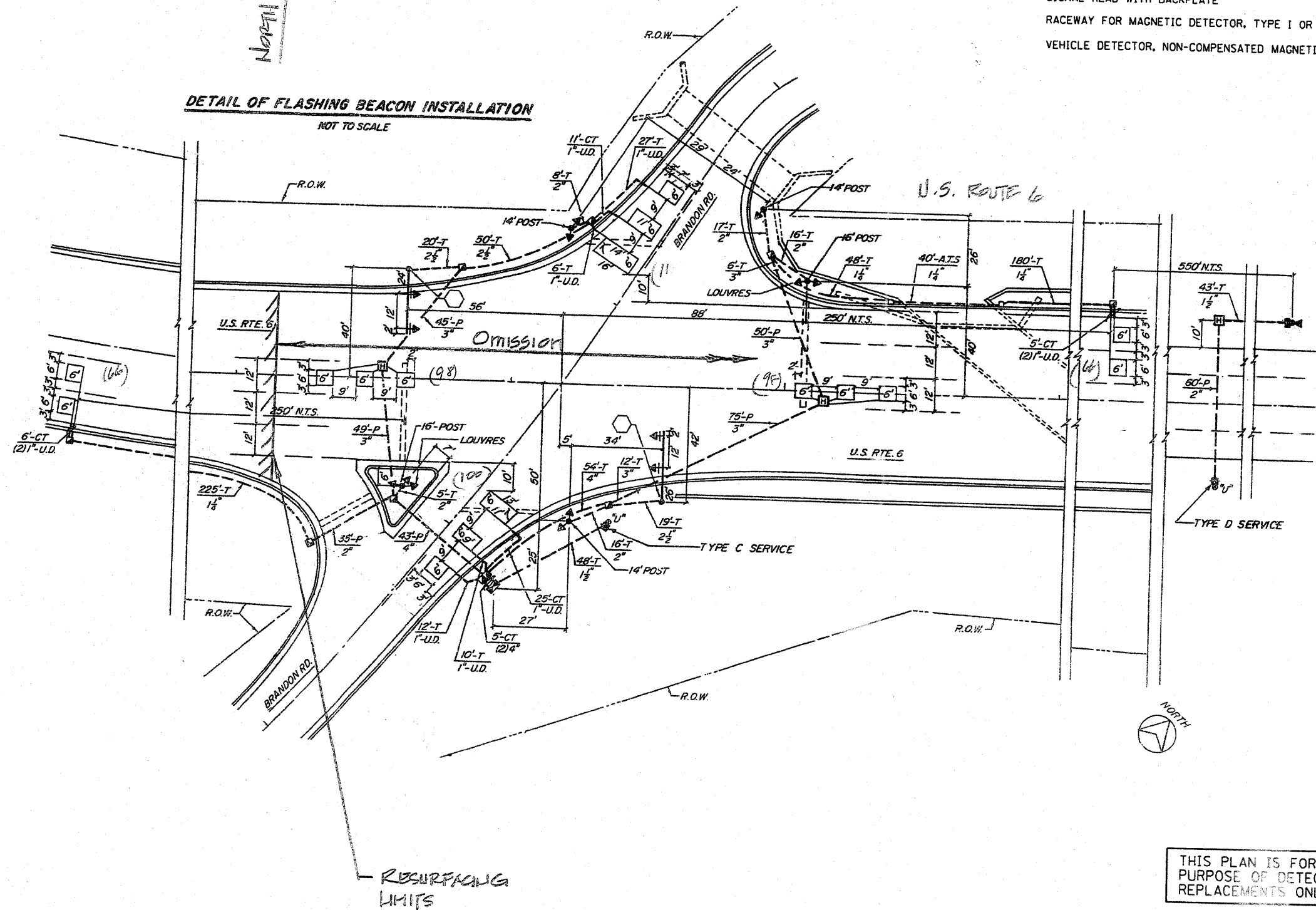
SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

**TRAFFIC SIGNAL LEGEND**

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

**DETAIL OF FLASHING BEACON INSTALLATION**

NOT TO SCALE



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                       |
|----------|----------|------|----------------------------|
| 86600600 | 666      | FOOT | DETECTOR LOOP, REPLACEMENT |

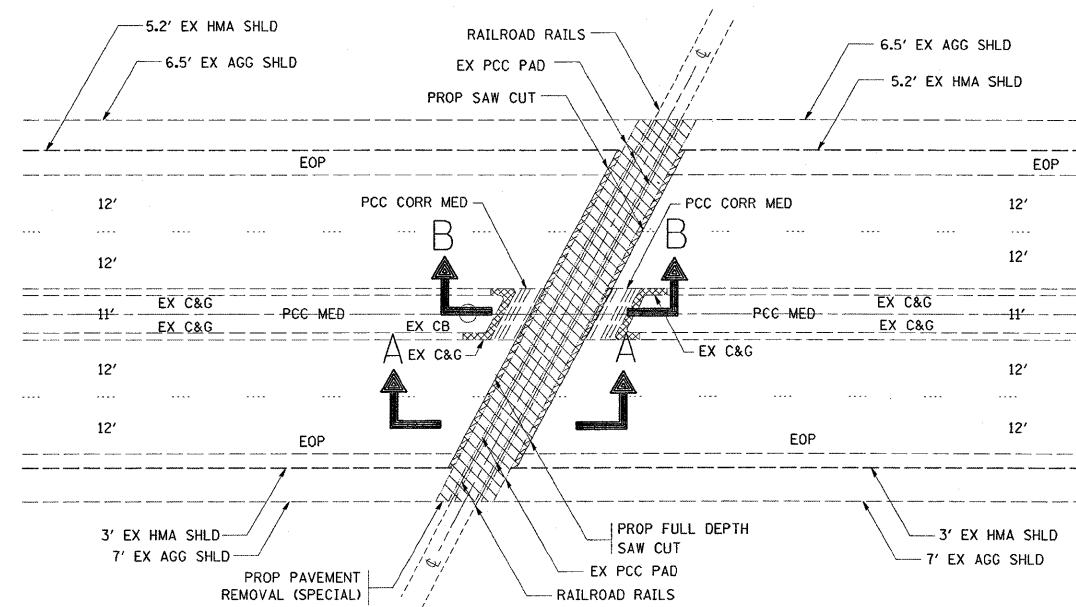
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|  | PLOT SCALE = 3/9.9360" / IN. | CHECKED - DAD  | REVISED - |
|  | PLOT DATE = 4/3/2009         | DATE -         | REVISED - |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT**  
**U.S. ROUTE 6 @ BRANDON RD.**

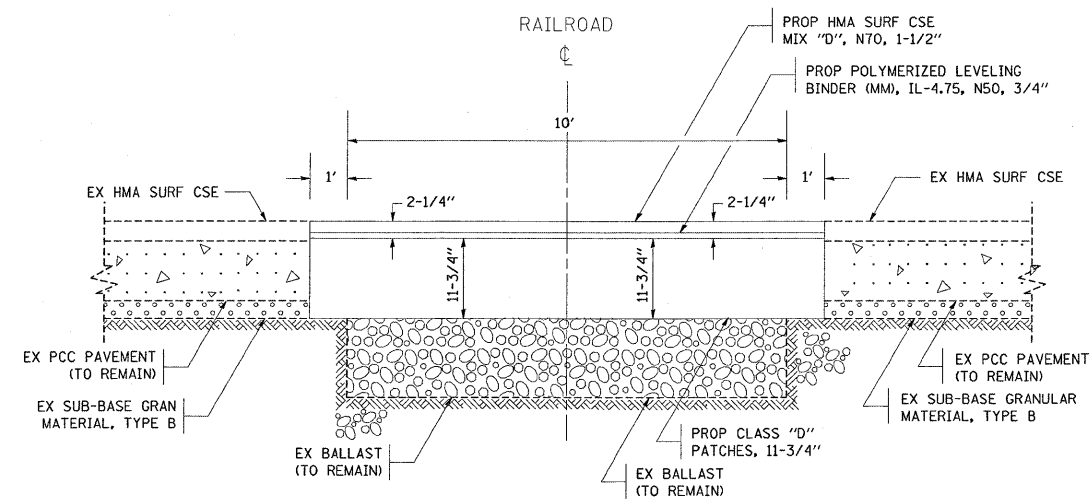
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|---|---------|--------|--------------|-----------|
| F.A. RTE. *                                   | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| * 1-07-RS-3                                   | WIL     |        | 34           | 20        |
| CONTRACT NO. *                                |         |        |              |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |         |        |              |           |
| * FAD 06/EX 0216                              |         |        |              |           |

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



EXISTING PLAN VIEW  
STATION 177+88

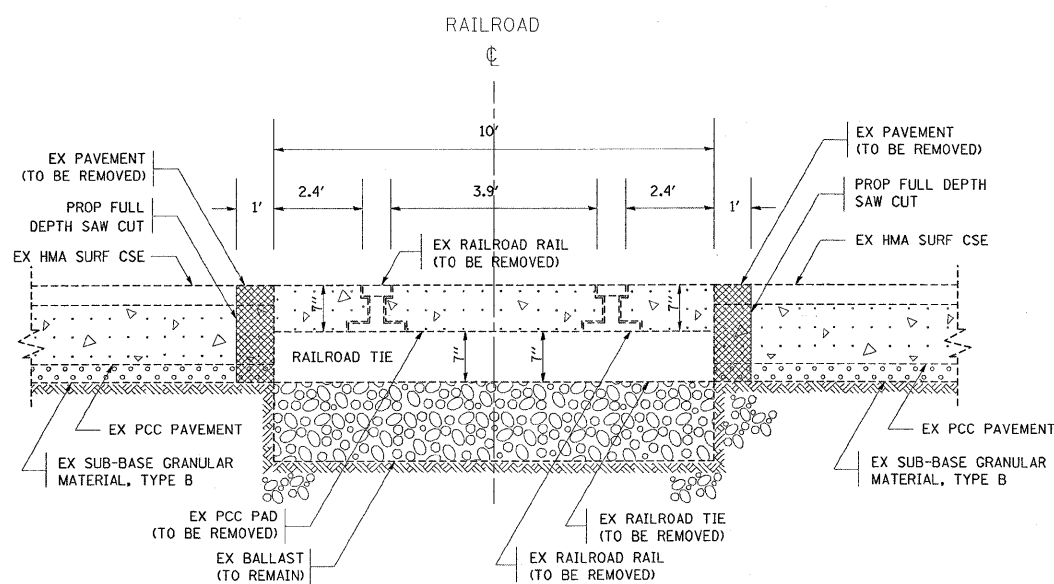
US 6



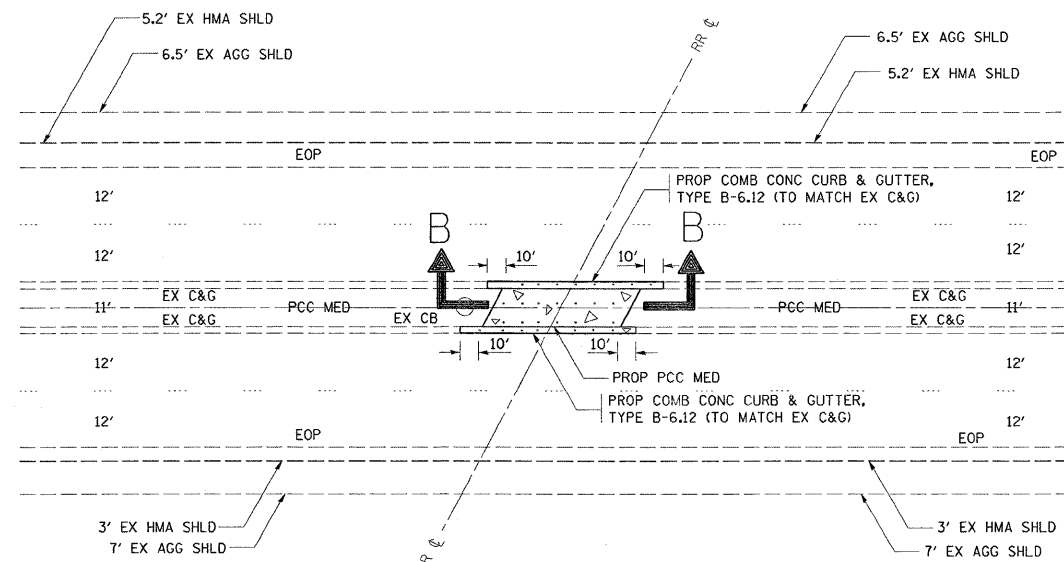
PROPOSED TYPICAL SECTION  
SECTION A-A

NOTE:

REMOVAL OF RAILS, TIES, TIE PLATES & FASTENINGS, AND PRE-FABRICATED RR CROSSING MATERIALS SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED AS INCLUDED IN THE COST PER SQUARE YARD OF "PAVEMENT REMOVAL (SPECIAL)".



EXISTING TYPICAL SECTION  
SECTION A-A

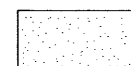


PROP MEDIAN PLAN VIEW  
SECTION B-B

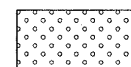
US 6



PAVEMENT REMOVAL SPECIAL



SODDING SALT TOLERANT



SUB-BASE GRANULAR MATERIAL TYPE B



BALLAST



EARTH EXCAVATION



COMBINATION CONCRETE CURB & GUTTER REMOVAL

FILE NAME =  
c:\pwork\p\1007\GALBANNB\0140152\0179\09\shp-plan.dgn

USER NAME = galbannb  
PLOT SCALE = 50.0000' / IN.  
PLOT DATE = 6/27/2009

DESIGNED - 04-09-2004  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

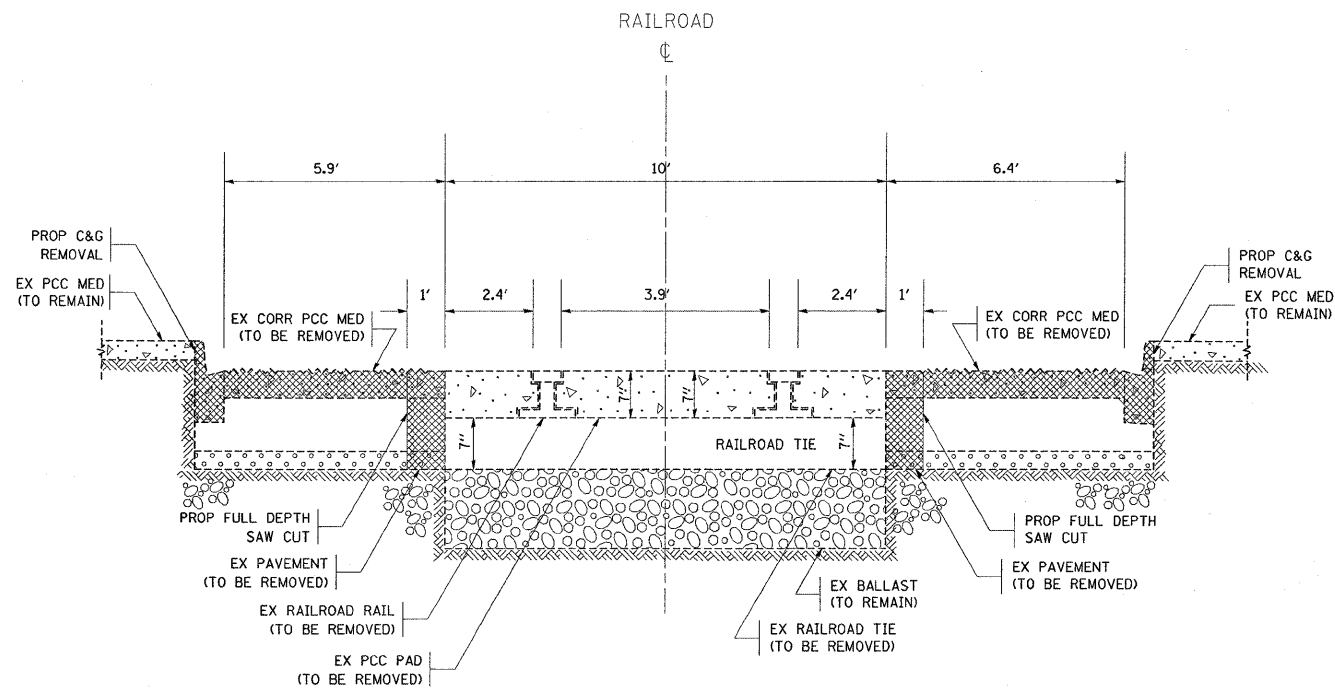
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

US 6 (CHANNAHON ROAD)  
RAILROAD REMOVAL DETAILS

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

\* FAP 856/FAU 318

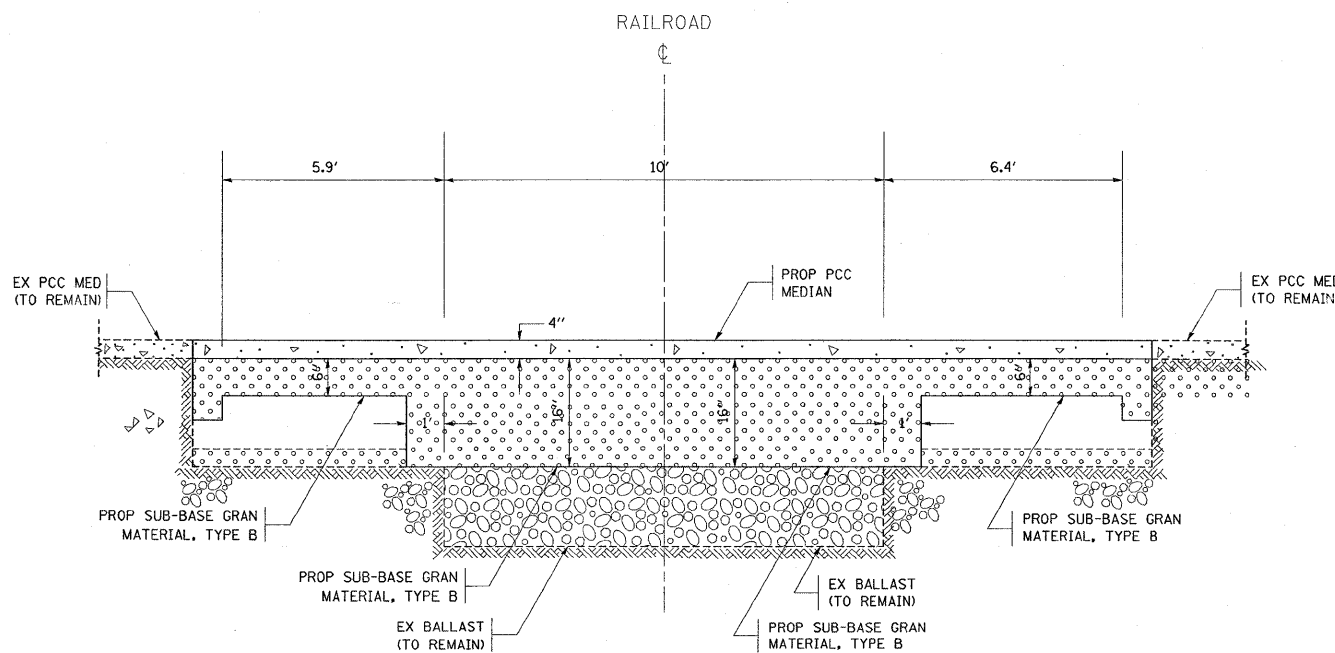
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 1-D-1-RS-3                |         | WILL   | 35           | 21        |
| CONTRACT NO. 60H61        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



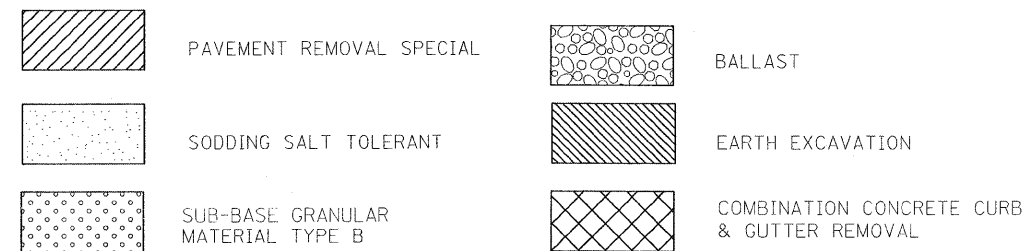
EXISTING MEDIAN SECTION DETAIL  
SECTION B-B

NOTE:

REMOVAL OF RAILS, TIES, TIE PLATES & FASTENINGS, AND PRE-FABRICATED RR CROSSING MATERIALS SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED AS INCLUDED IN THE COST PER SQUARE YARD OF "PAVEMENT REMOVAL (SPECIAL)".



PROPOSED MEDIAN SECTION DETAIL  
SECTION B-B



FILE NAME =  
c:\p\work\PWIDOT\GALBANNB\0140162\017

USER NAME = galbannb  
989-sht-plan.dgn  
PLOT SCALE = 50.0000' / IN.  
PLOT DATE = 6/27/2009

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

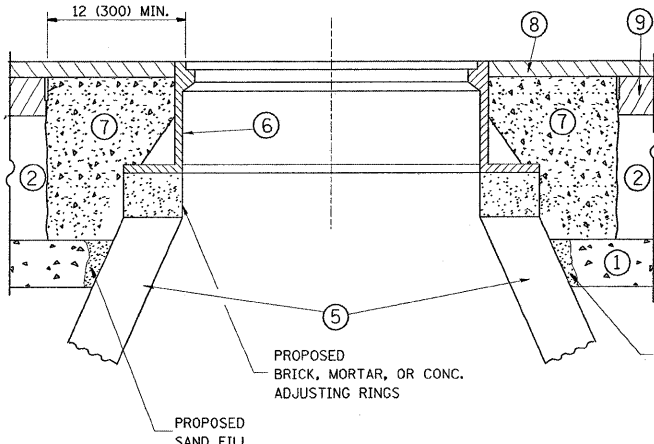
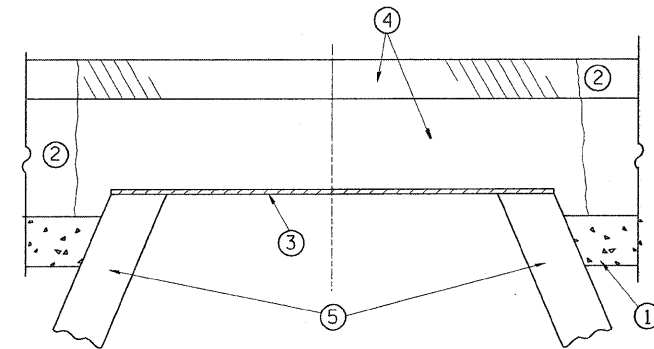
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

US 6 (CHANNAHON ROAD)  
RAILROAD REMOVAL DETAIL

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

\* FAP 856/FAU 318

|                    |            |        |                           |           |
|--------------------|------------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
| .                  | 1-D-1-RS-3 | WILL   | 34                        | 22        |
| CONTRACT NO. 60H61 |            |        | ILLINOIS FED. AID PROJECT |           |



**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 SI CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE 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 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS SI CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
- 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:** THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL"

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**

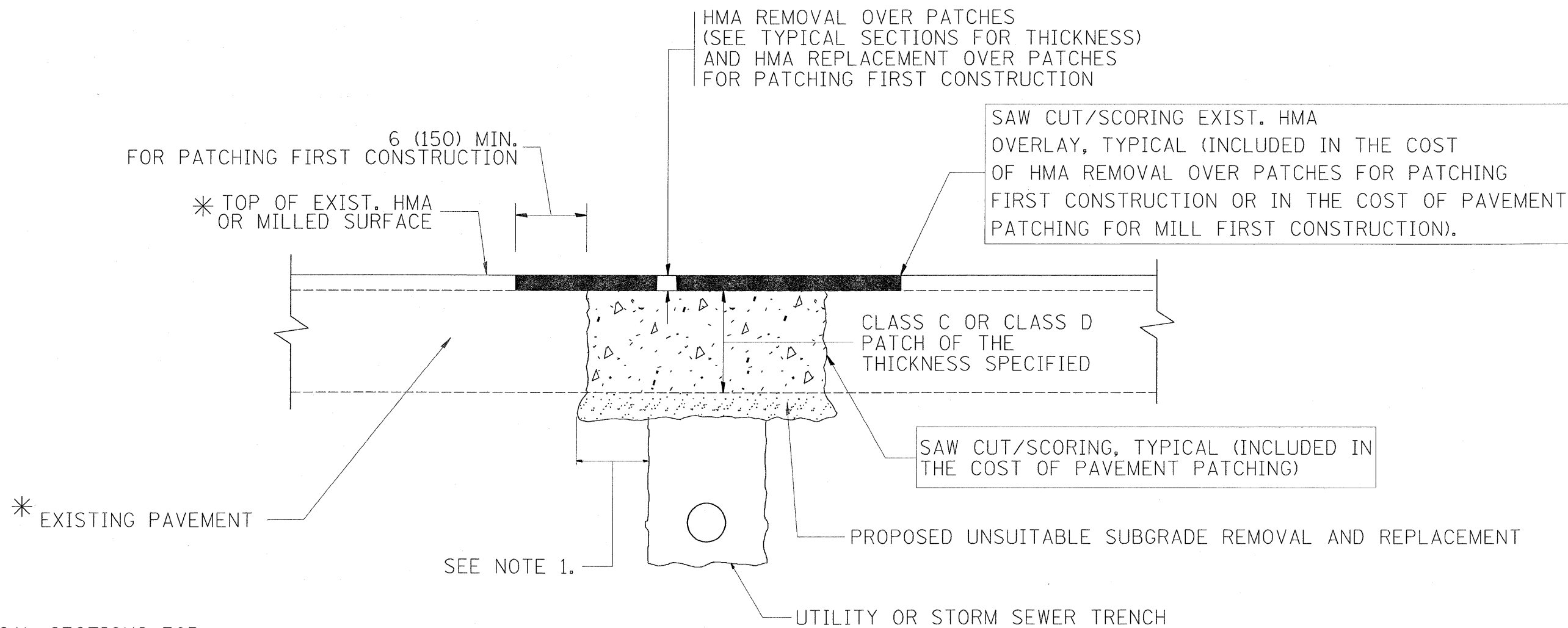
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN  
• FAP 856/FAU 0318

|                                       |                              |                    |                                |
|---------------------------------------|------------------------------|--------------------|--------------------------------|
| FILE NAME =                           | USER NAME = galbannb         | DESIGNED - R. SHAH | REVISED - R. SHAH 03-10-95     |
| ct:\pwork\PWIDOT\GALBANNB\0140162\01s | Std.dgn                      | DRAWN -            | REVISED - A. ABBAS 03-21-97    |
|                                       | PLOT SCALE = 50,0000 ' / IN. | CHECKED -          | REVISED - R. WIEDEMAN 05-14-04 |
|                                       | PLOT DATE = 6/27/2009        | DATE - 10-25-94    | REVISED - R. BORO 01-01-07     |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|  |                         |      |         |
|--|-------------------------|------|---------|
| <b>DETAILS FOR<br/>FRAMES AND LIDS ADJUSTMENT WITH MILLING</b> |                         |      |         |
| SCALE: NONE  | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

|   |            |                    |              |           |
|---|------------|--------------------|--------------|-----------|
| F.A. RTE.                                       | SECTION    | COUNTY             | TOTAL SHEETS | SHEET NO. |
| •   | 1-D-1-RS-3 | WILL               | 34           | 23        |
| <b>BD600-03 (BD-8)</b>                          |            | CONTRACT NO. 60H61 |              |           |
| 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.

\* FAP 856/FAU 0318

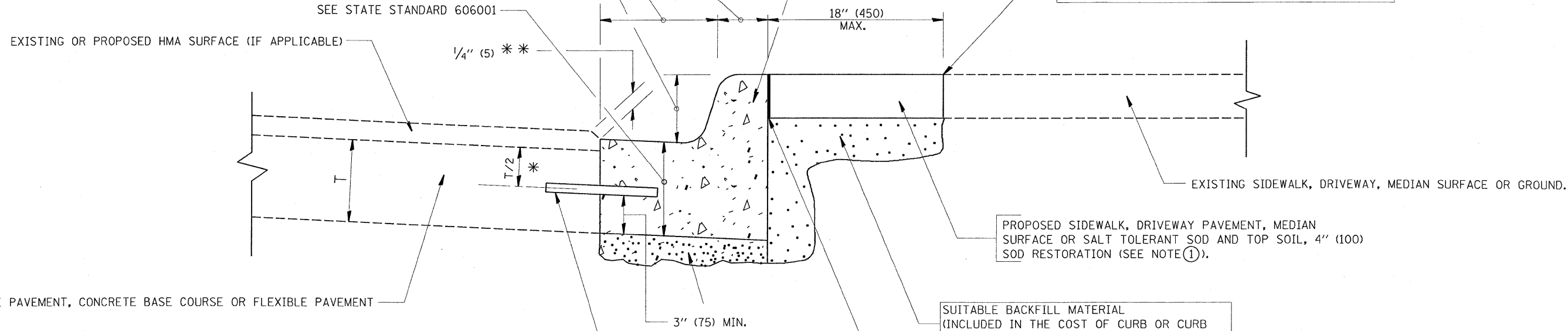
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|--|-----------------------------|--------------------|-----------------------------|---|--|-------------------------|--------------------|---|---------|--------|--------------|-----------|
| FILE NAME =                              | USER NAME = galbannb        | DESIGNED - R. SHAH | REVISED - A. ABBAS 04-27-98 | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PAVEMENT PATCHING FOR<br/>HMA SURFACED PAVEMENT</b> |                         |                    | F.A. RTE.                                       | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ct:\pw\work\NFW\DOT\GALBANNB\0142162\Dis | Std.dgn                     | DRAWN -            | REVISED - R. BORO 01-01-07  |   |  |                         |                    | 1-D-1-RS-3                                      | WILL    | 34     | 24           |           |
|  | PLOT SCALE = 50.0000' / IN. | CHECKED -          | REVISED - R. BORO 09-04-07  |   | <b>BD400-04 (BD-22)</b>                                |                         | CONTRACT NO. 60H61 |   |         |        |              |           |
|  | PLOT DATE = 6/26/2009       | DATE - 10-25-94    | REVISED - K. ENG 10-27-08   |   | SCALE: NONE  | SHEET NO. 1 OF 1 SHEETS | STA. TO STA.       | 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.



- \* 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.

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, 4" (100) 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 HMA 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.

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.)

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

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

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).

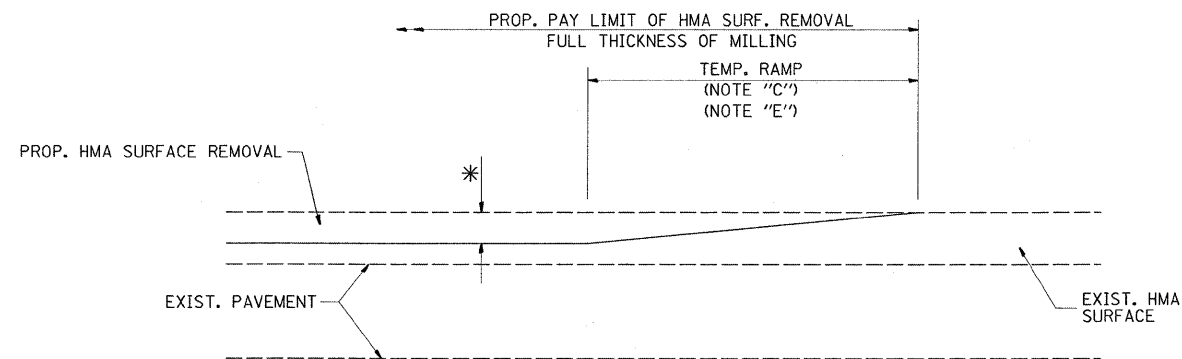
**BASIS OF PAYMENT:**  
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

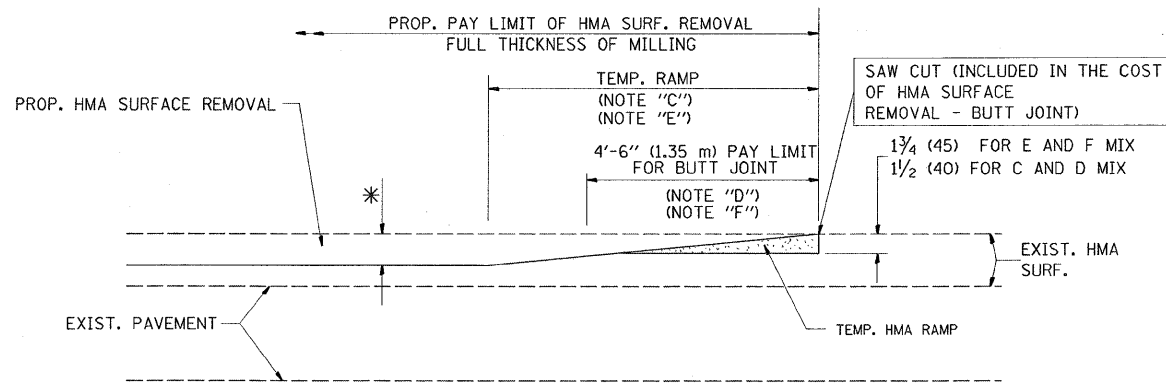
\* FAP 856/FAU 0318

|                                       |                             |                      |                             |   |  |                         |                    |         |            |              |           |    |
|---------------------------------------|-----------------------------|----------------------|-----------------------------|---|--|-------------------------|--------------------|---------|------------|--------------|-----------|----|
| FILE NAME =                           | USER NAME = galborrb        | DESIGNED - A. HOUSEH | REVISED - R. SHAH 10-03-96  | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>CURB OR CURB AND GUTTER<br/>REMOVAL AND REPLACEMENT</b> |                         | F.A. RTE.          | SECTION | COUNTY     | TOTAL SHEETS | SHEET NO. |    |
| ct:\pwork\PWIDOT\GALBANNB\0140162\Dis | Std.dgn                     | DRAWN -              | REVISED - A. ABBAS 03-21-97 |   | SCALE: NONE  | SHEET NO. 1 OF 1 SHEETS | STA.               | TO STA. | 1-D-1-RS-3 | WILL         | 34        | 25 |
|                                       | PLOT SCALE = 50.0000' / IN. | CHECKED -            | REVISED - M. GOMEZ 01-22-01 |   | BD600-06 (BD-24)   |                         | CONTRACT NO. 60H61 |         |            |              |           |    |
|                                       | PLOT DATE = 6/26/2009       | DATE - 03-11-94      | REVISED - R. BORO 01-01-07  |   | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT            |                         |                    |         |            |              |           |    |



MILLED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

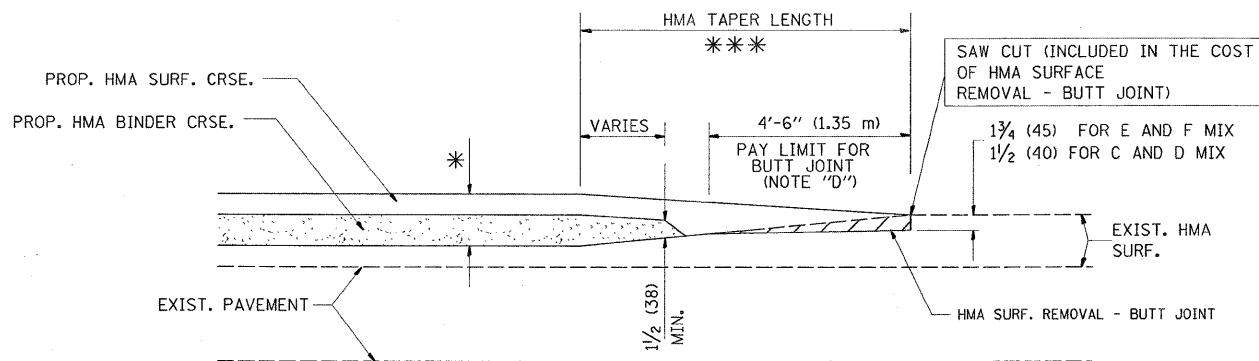
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

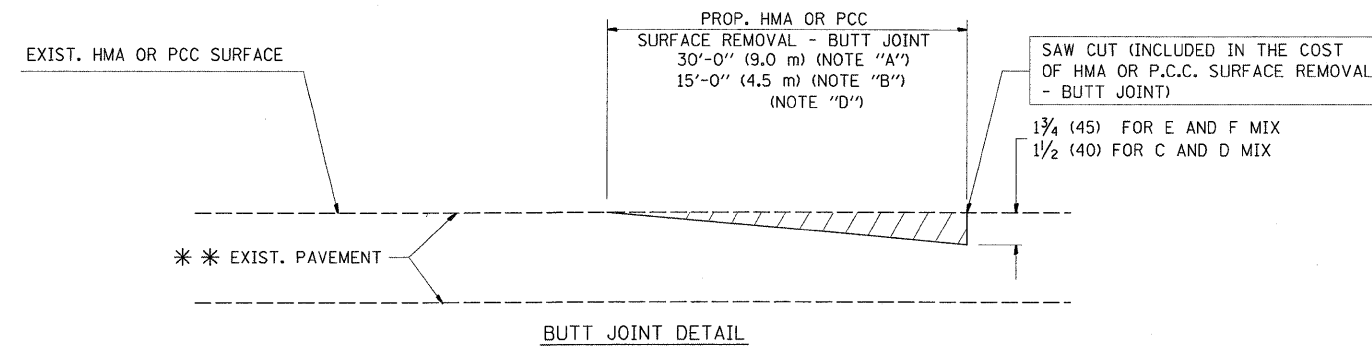
OPTION 2

TYPICAL TEMPORARY RAMP

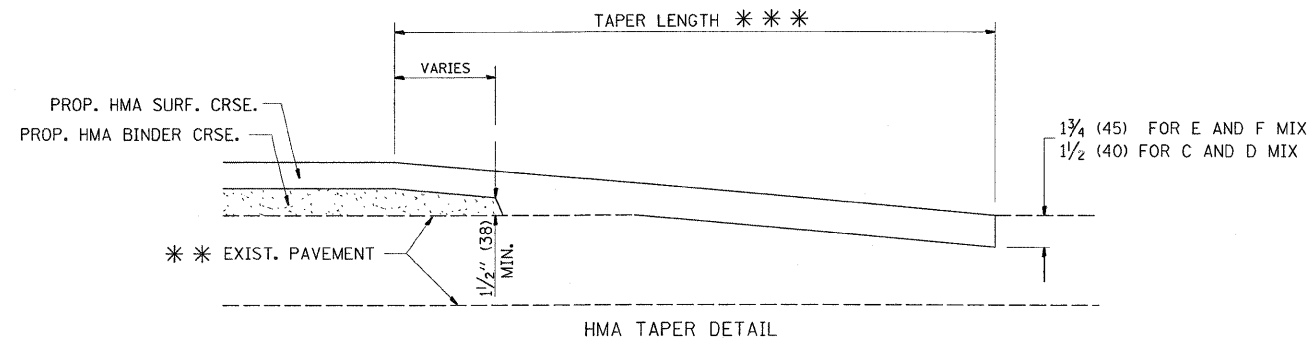


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER  
FOR MILLING AND RESURFACING



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.

\* FAP 856/FAU 0318

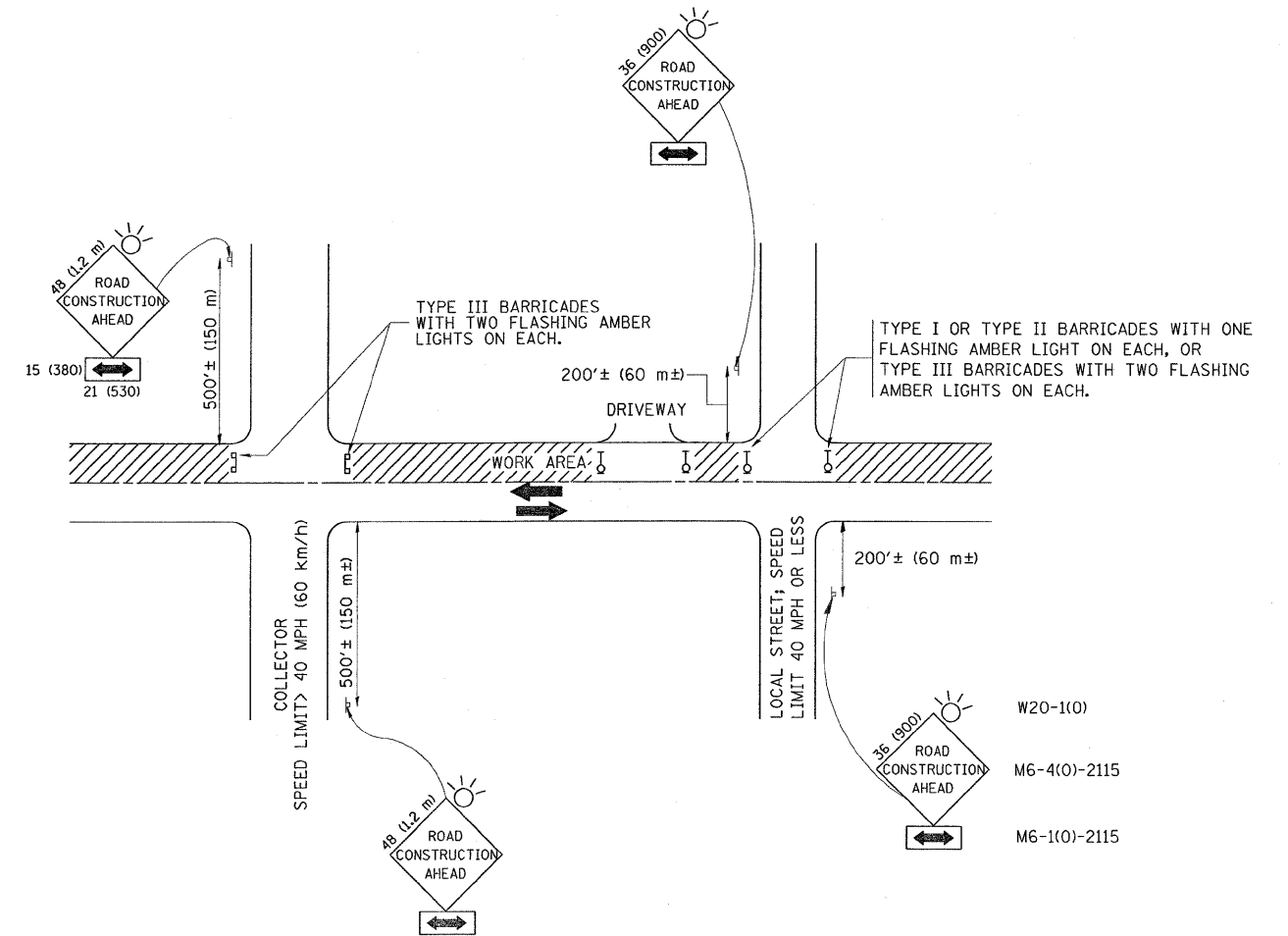
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|   | PLOT SCALE = 50.0000' / IN. | CHECKED -             | REVISED - M. GOMEZ 04-06-01 |
|   | PLOT DATE = 6/26/2009       | DATE - 06-13-90       | REVISED - R. BORO 01-01-07  |

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. RTE.                                       | SECTION    | COUNTY             | TOTAL SHEETS | SHEET NO. |
| *   | 1-D-1-RS-3 | WILL               | 34           | 26        |
| BD400-05 BD32                                   |            | CONTRACT NO. 60H61 |              |           |
| 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

1. 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:
  - a) 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.
  - b) 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.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) 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.
  - b) 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.
3. 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.  
 \* FAP 856/FAU 0318

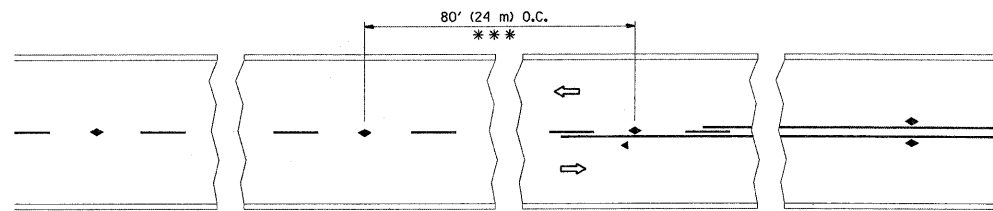
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|                                       | PLDT SCALE = 50.0000" / IN. | CHECKED -      | REVISED - A. HOUSEH 10-15-96    |
|                                       | PLDT DATE = 6/26/2009       | DATE - 06-89   | REVISED - T. RAMMACHER 01-06-00 |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

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

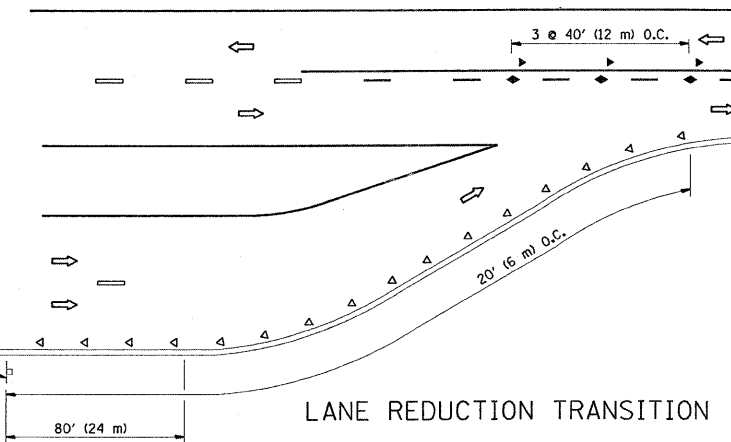
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|   |            |                    |              |           |
|---|------------|--------------------|--------------|-----------|
| F.A. RTE.   | SECTION    | COUNTY             | TOTAL SHEETS | SHEET NO. |
|   | 1-D-1-RS-3 | WILL               | 34           | 27        |
|   | TC-10      | CONTRACT NO. 60H61 |              |           |
| FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT |            |                    |              |           |

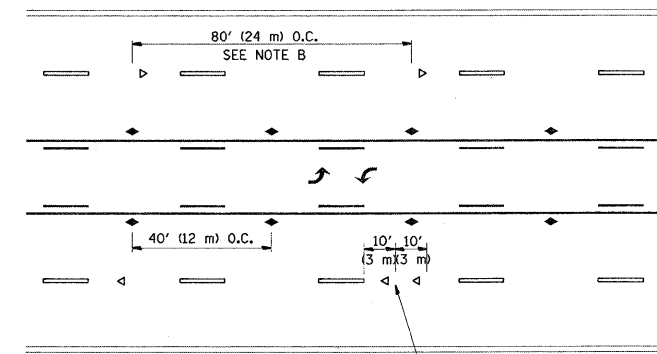


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

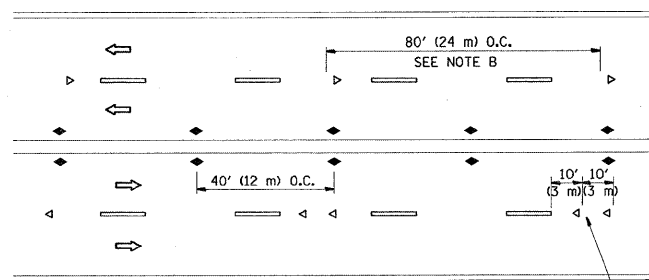
TWO-LANE/TWO-WAY



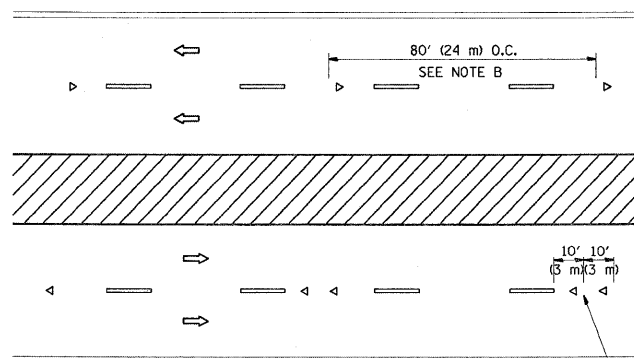
LANE REDUCTION TRANSITION



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

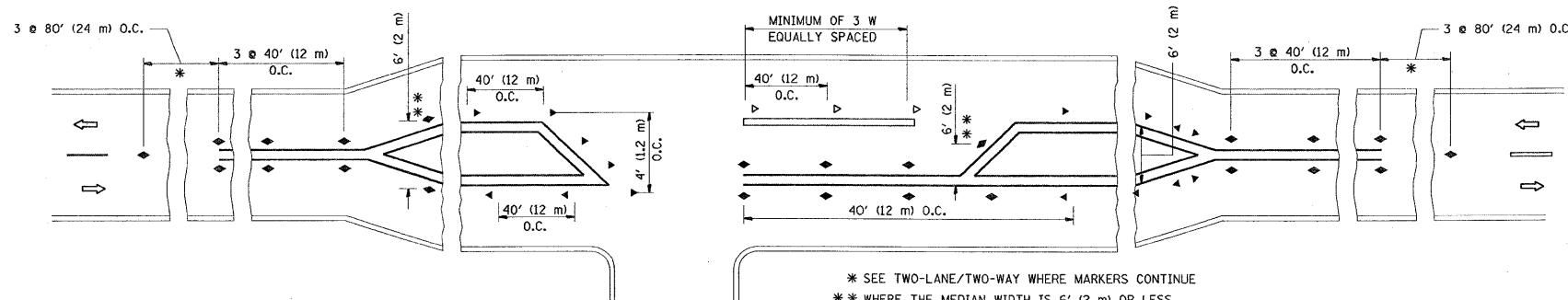
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- 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.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

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 SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



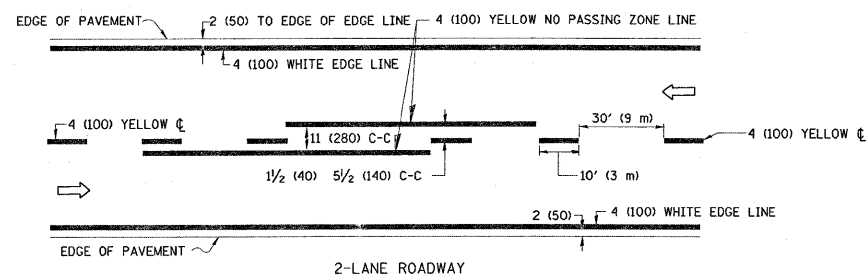
LEFT TURN

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

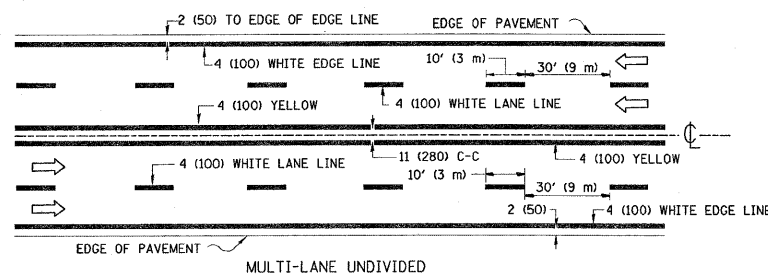
All dimensions are in inches (millimeters) unless otherwise shown.

\* FAP 856/FAU 0318

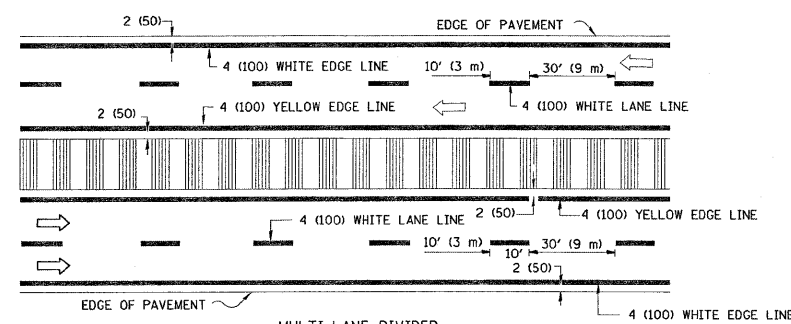
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| at:\pwork\p\WID01\GALBANNB\0140162\Dis | Std.dgn                     | DRAWN -    | REVISED - T. RAMMACHER 03-12-99 |   | SCALE: NONE  | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.   | 1-D-1-RS-3 | WILL               | 34           | 28        |
|  | PLOT SCALE = 50.0000' / IN. | CHECKED -  | REVISED - T. RAMMACHER 01-06-00 |   |  |                         |      | <b>TC-11</b>                                    |            | CONTRACT NO. 60H61 |              |           |
|  | PLOT DATE = 6/26/2009       | DATE -     | REVISED -                       |   |  |                         |      | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |            |                    |              |           |



2-LANE ROADWAY



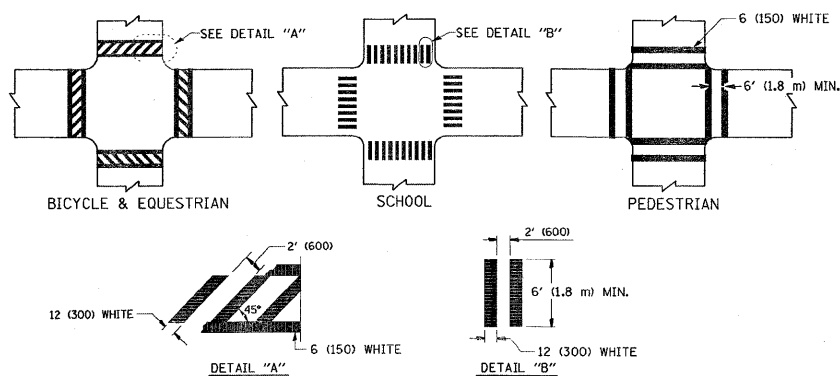
MULTI-LANE UNDIVIDED



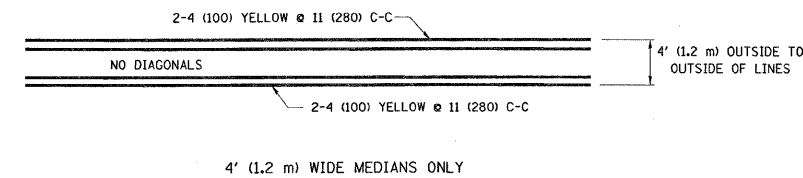
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

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

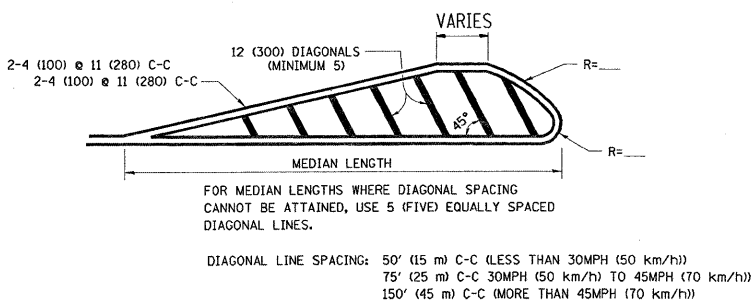
TYPICAL LANE AND EDGE LINE MARKING



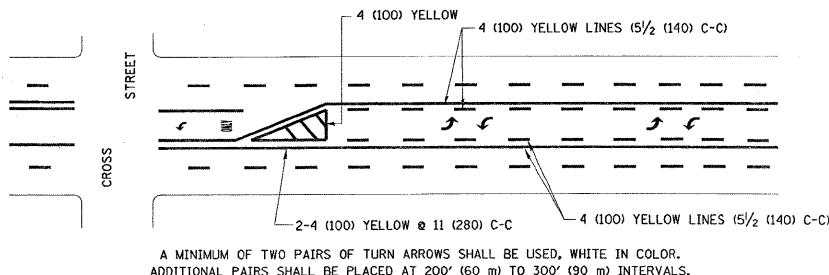
TYPICAL CROSSWALK MARKING



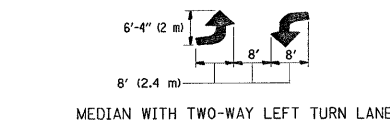
4' (1.2 m) WIDE MEDIANS ONLY



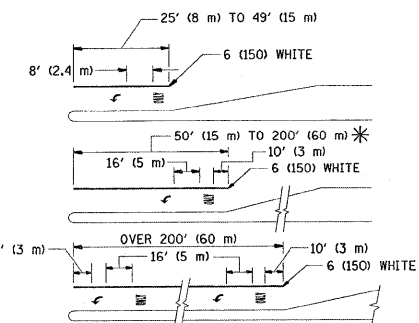
MEDIANS OVER 4' (1.2 m) WIDE



TYPICAL PAINTED MEDIAN MARKING

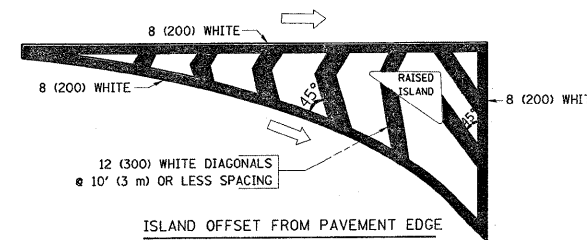


MEDIAN WITH TWO-WAY LEFT TURN LANE

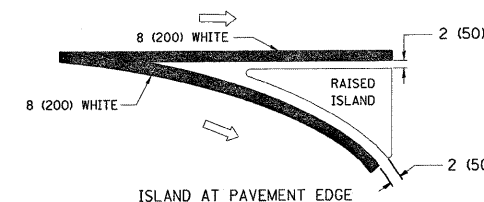


TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND 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 FOR BOTH DIRECTIONS                                      | 4 (100)<br>2 @ 4 (100)   | SOLID<br>SOLID                  | YELLOW<br>YELLOW                                  | 5/2 (140) C-C FROM SKIP-DASH CENTERLINE<br>11 (280) C-C<br>OMIT SKIP-DASH CENTERLINE BETWEEN   |
| LANE LINES  | 4 (100)<br>5 (125) ON FREEWAYS   | SKIP-DASH<br>SKIP-DASH          | WHITE<br>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<br>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<br>8' (2.4m) LEFT ARROW   | SKIP-DASH AND SOLID<br>IN PAIRS | YELLOW<br>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<br>SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL             |
| CROSSWALK LINES (PEDESTRIAN)<br>A. DIAGONALS (BIKE & EQUESTRIAN)<br>B. LONGITUDINAL BARS (SCHOOL) | 2 @ 6 (150)<br>12 (300) @ 45°<br>12 (300) @ 90°  | SOLID<br>SOLID<br>SOLID         | WHITE<br>WHITE<br>WHITE                           | NOT LESS THAN 6' (1.8 m) APART<br>2' (600) APART<br>2' (600) APART<br>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°<br>NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS | SOLID                           | YELLOW: TWO WAY TRAFFIC<br>WHITE: ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE<br>SEE TYPICAL PAINTED MEDIAN MARKING.  |
| GORE MARKING AND CHANNELIZING LINES   | 8 (200) WITH 12 (300) DIAGONALS @ 45°  | SOLID                           | WHITE   | DIAGONALS:<br>15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h))<br>20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)<br>30' (9 m) C-C (OVER 45MPH (70 km/h))              |
| RAILROAD CROSSING   | 24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"               | SOLID                           | WHITE   | SEE STATE STANDARD 780001<br>AREA OF:<br>"R"=3.6 SQ. FT. (0.33 m²) EACH<br>"X"=54.0 SQ. FT. (5.0 m²)   |
| SHOULDER DIAGONALS  | 12 (300) @ 45°   | SOLID                           | WHITE - RIGHT<br>YELLOW - LEFT                    | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))<br>75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h))<br>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.

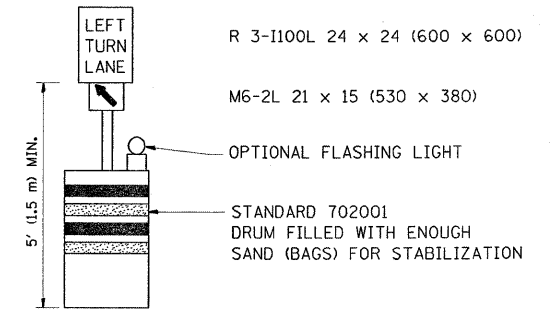
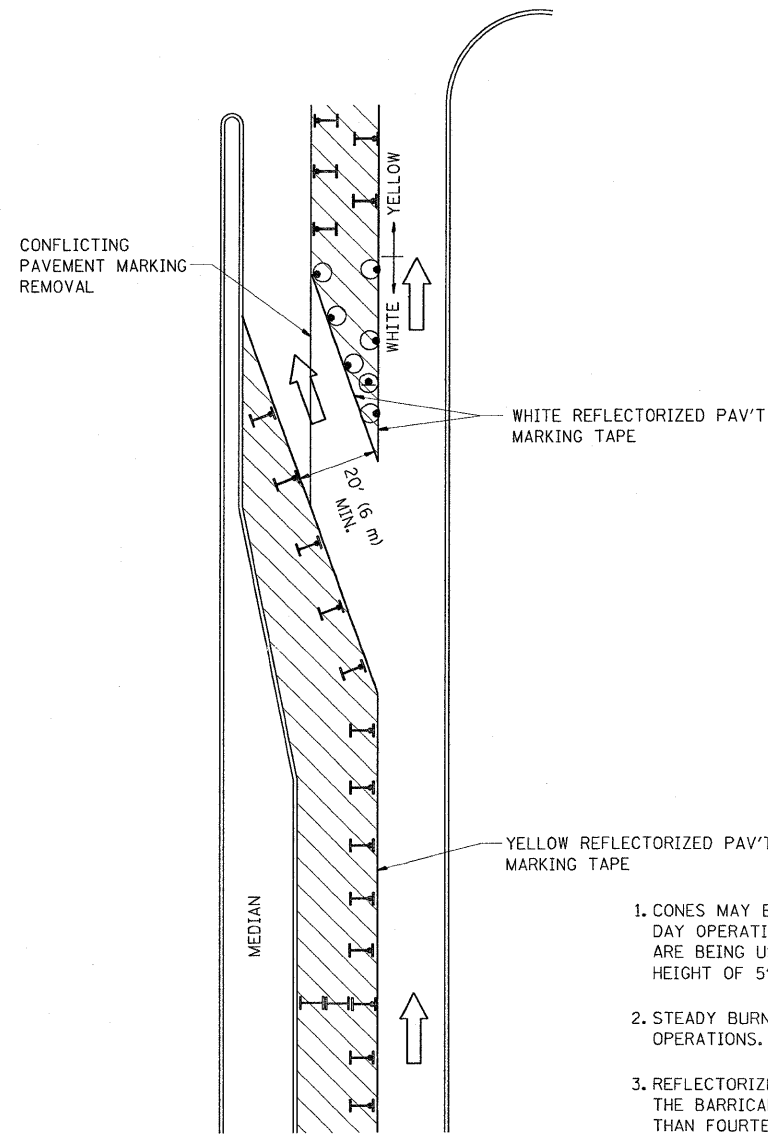
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|  | PLOT SCALE = 50.0000' / IN. | CHECKED -        | REVISED - A. HOUSEH 10-17-96    |
|  | PLOT DATE = 6/26/2009       | DATE - 03-19-90  | REVISED - T. RAMMACHER 01-06-00 |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

|   |            |        |                    |           |
|---|------------|--------|--------------------|-----------|
| F.A. RTE.                                       | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
| *   | I-D-1-RS-3 | WILL   | 34                 | 29        |
| TC-13   |            |        | CONTRACT NO. 60H61 |           |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |            |        |                    |           |







\* FAP 856/FAU 0318



**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 BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

**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

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

• FAP856/FAU0318

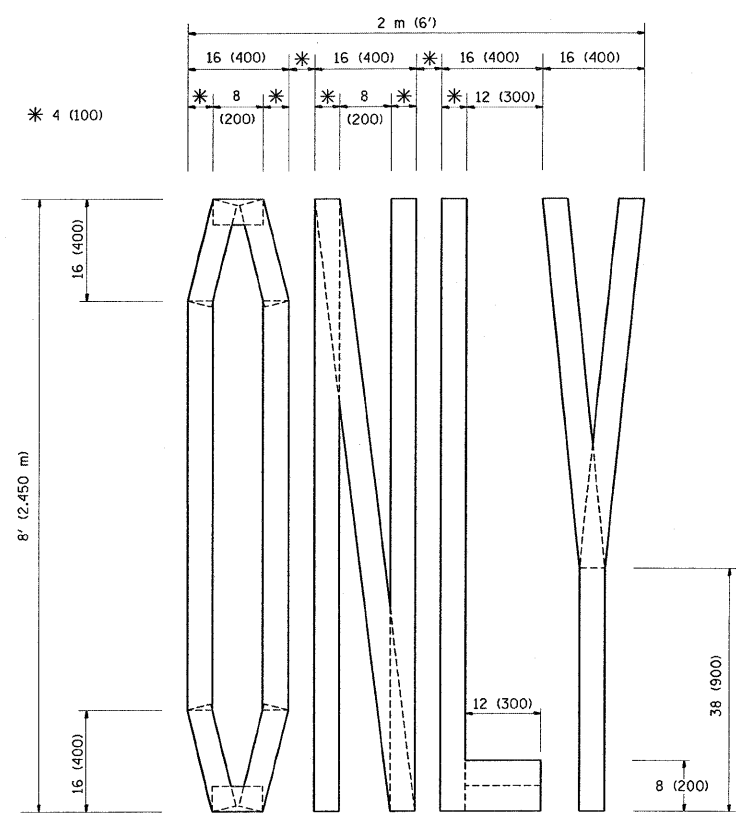
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|  | PLOT SCALE = 50.0000' / IN. | CHECKED -  | REVISED - A. HOUSEH 10-12-96   |
|  | PLOT DATE = 6/26/2009       | DATE -     | REVISED -T. RAMMACHER 01-06-00 |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

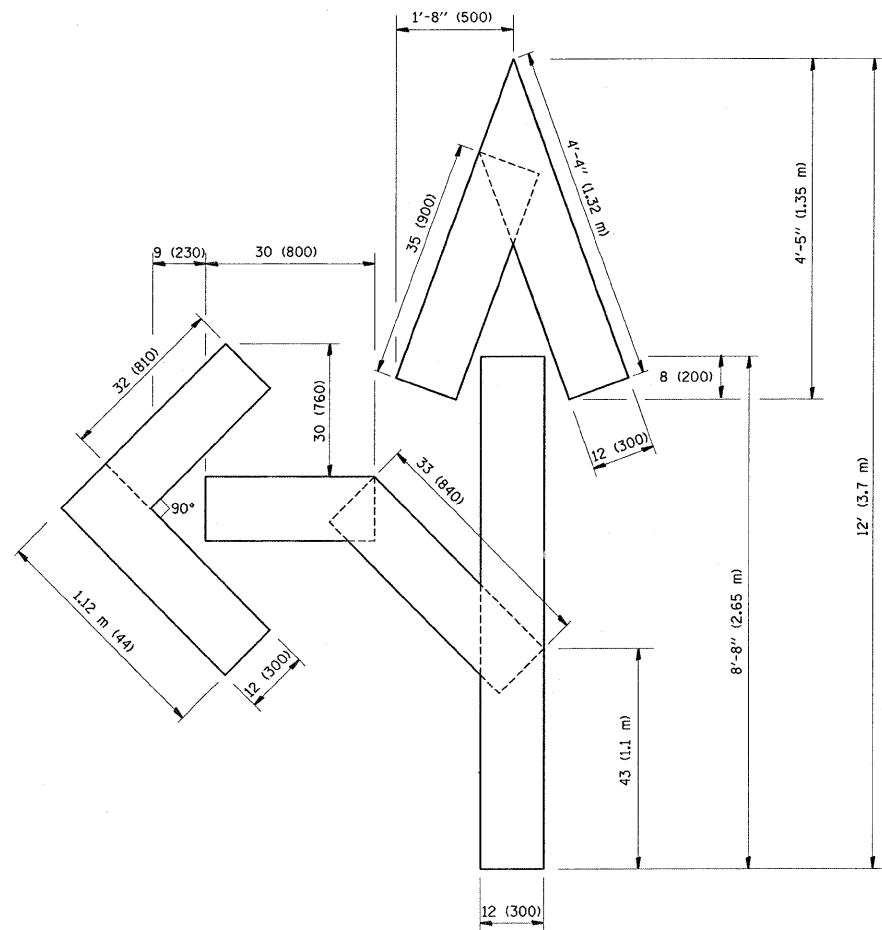
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

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

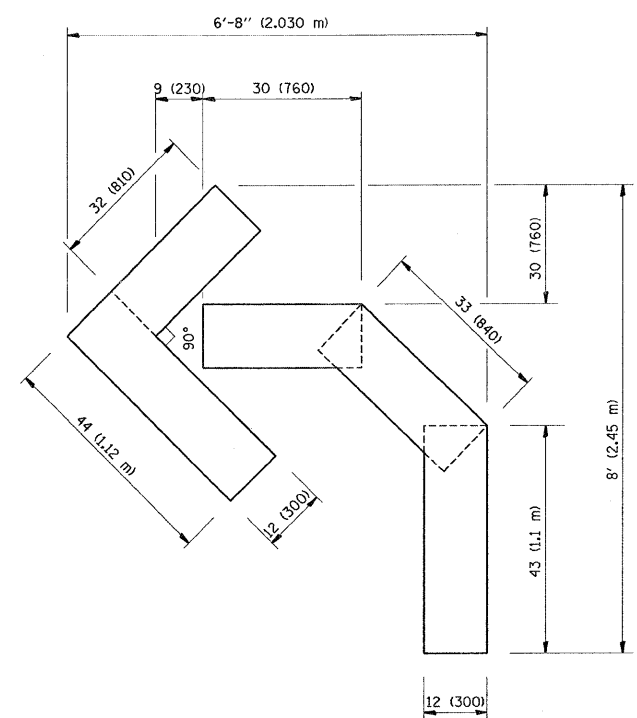
|   |            |                    |              |           |
|---|------------|--------------------|--------------|-----------|
| F.A. RTE.                                       | SECTION    | COUNTY             | TOTAL SHEETS | SHEET NO. |
| •   | 1-D-1-RS-3 | WILL               | 34           | 30        |
| <b>TC-14</b>                                    |            | CONTRACT NO. 60H61 |              |           |
| 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.

• FAP 856/FAU 0318

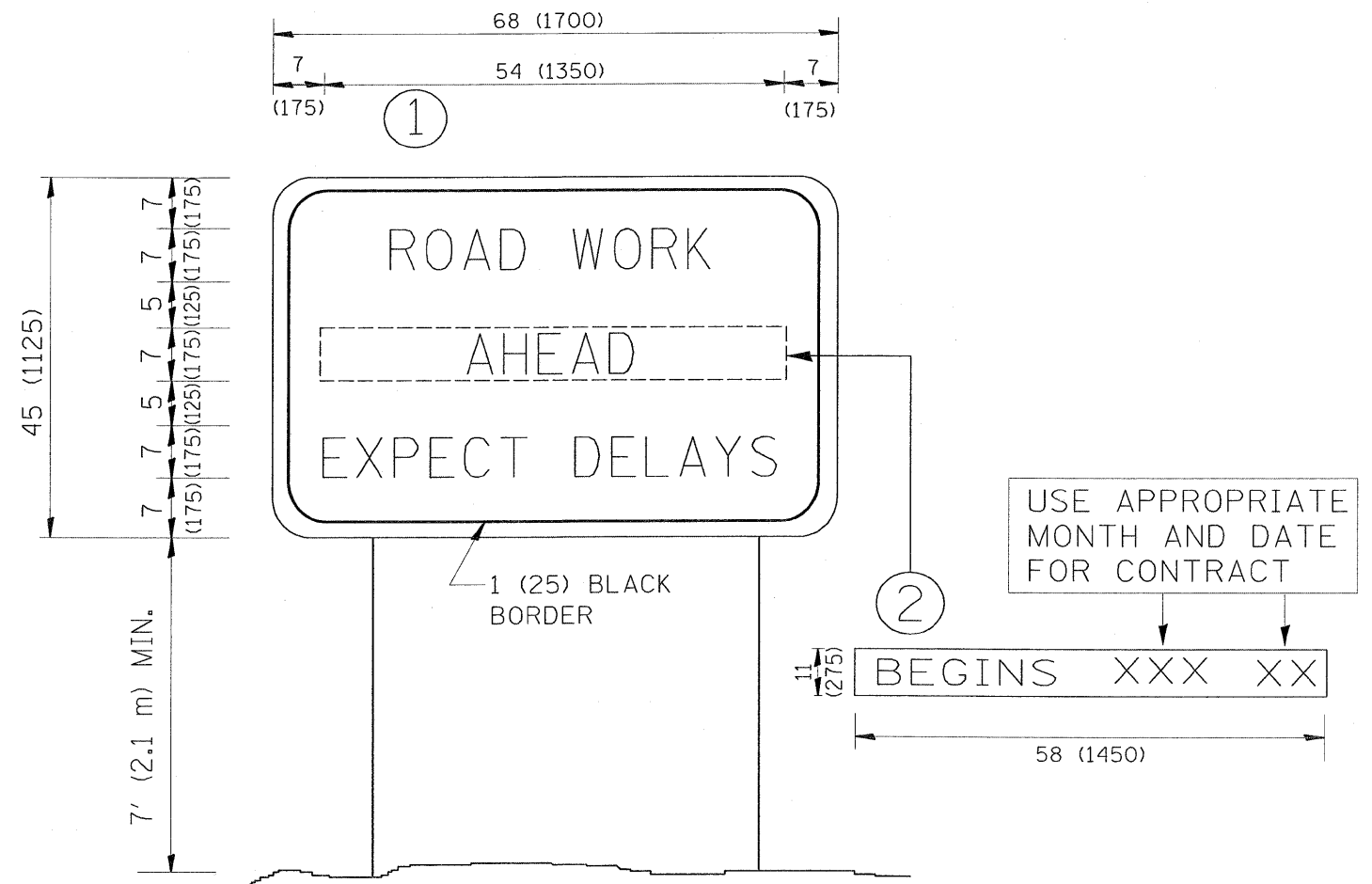
|                                       |                             |                 |                                |
|---------------------------------------|-----------------------------|-----------------|--------------------------------|
| FILE NAME =                           | USER NAME = galbannb        | DESIGNED -      | REVISED -T. RAMMACHER 06-05-96 |
| ca:\pwork\pwork\GALBANNB\d0140162\Dis | Std.dgn                     | DRAWN -         | REVISED -T. RAMMACHER 11-04-97 |
|                                       | PLOT SCALE = 50.0000 "/ IN. | CHECKED -       | REVISED -T. RAMMACHER 03-02-98 |
|                                       | PLOT DATE = 6/26/2009       | 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. RTE.                                       | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
| •   | 1-D-1-RS-3 | WILL   | 34                 | 31        |
| TC-16   |            |        | CONTRACT NO. 60H61 |           |
| 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.

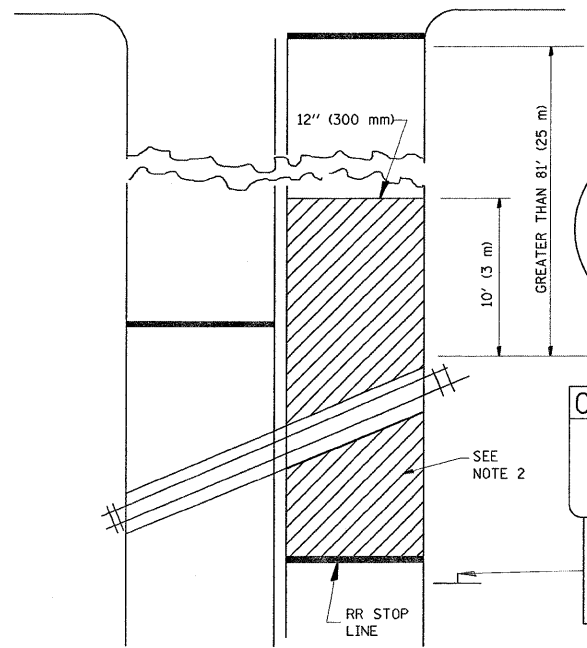
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

• FAP 856/FAU 0318

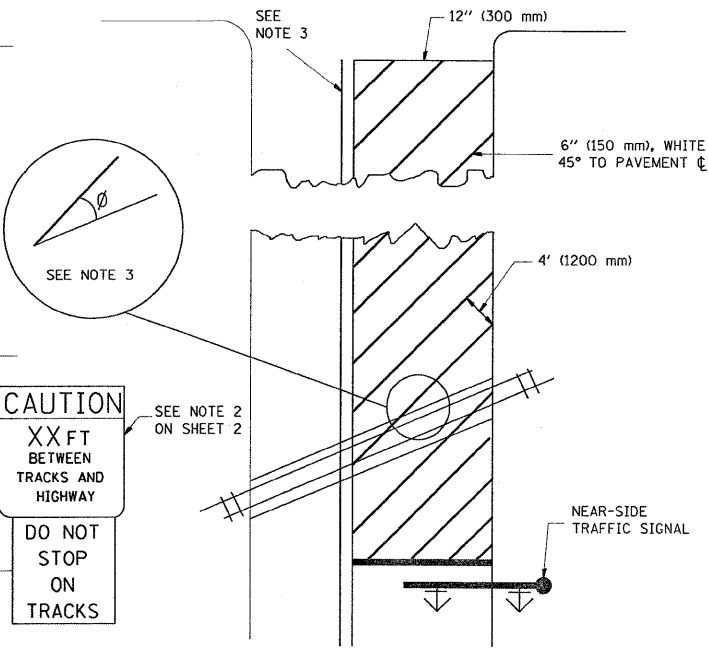
|  |                              |            |                                 |   |   |             |                           |         |        |              |            |      |    |    |
|--|------------------------------|------------|---------------------------------|---|---|-------------|---------------------------|---------|--------|--------------|------------|------|----|----|
| FILE NAME =                              | USER NAME = galbannb         | DESIGNED - | REVISED - R. MIRS 09-15-97      | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>ARTERIAL ROAD<br/>INFORMATION SIGN</b>       |             | F.A. RTE.:                | SECTION | COUNTY | TOTAL SHEETS | SHEET NO.  |      |    |    |
| ct:\pw\work\PIWIDOT\GALBANNB\0140162\Dis | Std.dgn                      | DRAWN -    | REVISED - R. MIRS 12-11-97      |   | SCALE: NONE                                     | SHEET NO. 1 | OF 1                      | SHEETS  | STA.   | TO STA.      | 1-D-1-RS-3 | WILL | 34 | 32 |
|  | PLOT SCALE = 50,0000 ' / IN. | CHECKED -  | REVISED - T. RAMMACHER 02-02-99 |   | <b>TC-22</b>                                    |             | <b>CONTRACT NO. 60H61</b> |         |        |              |            |      |    |    |
|  | PLOT DATE = 6/26/2009        | DATE -     | REVISED - C. JUCIUS 01-31-07    |   | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |             |                           |         |        |              |            |      |    |    |



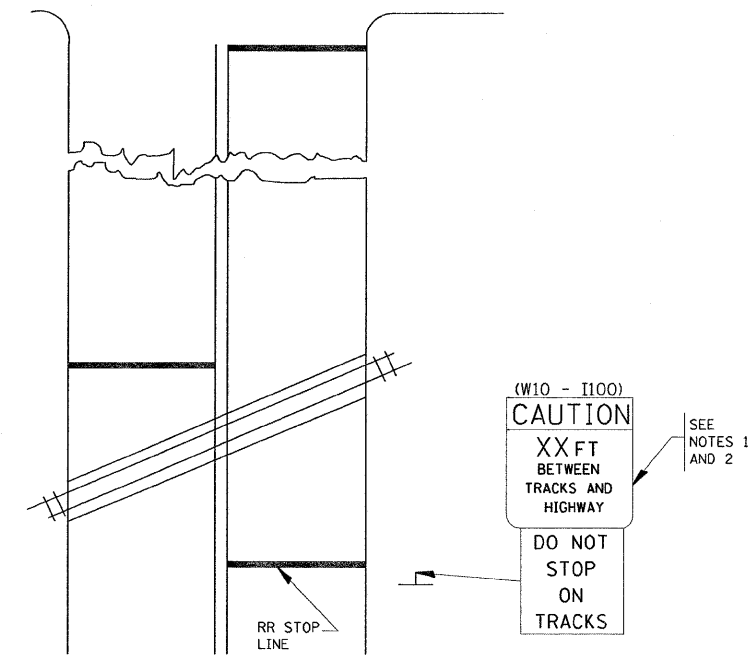
WITH INTERSECTION TRAFFIC SIGNALS



WITH NEAR-SIDE TRAFFIC SIGNALS



WITH NONSIGNALIZED INTERSECTION  
81' (25 m) OR LESS TO CLOSEST RAIL



CAUTION  
XX FT  
BETWEEN  
TRACKS AND  
HIGHWAY  
DO NOT  
STOP  
ON  
TRACKS

(W10 - I100)  
CAUTION  
XX FT  
BETWEEN  
TRACKS AND  
HIGHWAY  
DO NOT  
STOP  
ON  
TRACKS

NOTES:

- PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED, THE PAVEMENT MARKINGS EXTENDS TO THE INTERSECTION.
- WHERE THE ANGLE BETWEEN THE DIAGONAL STRIPES AND THE TRACK ( $\theta$ ) WOULD BE LESS THAN APPROXIMATELY 20°, THE STRIPES SHOULD BE SLOPED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

NOTE:

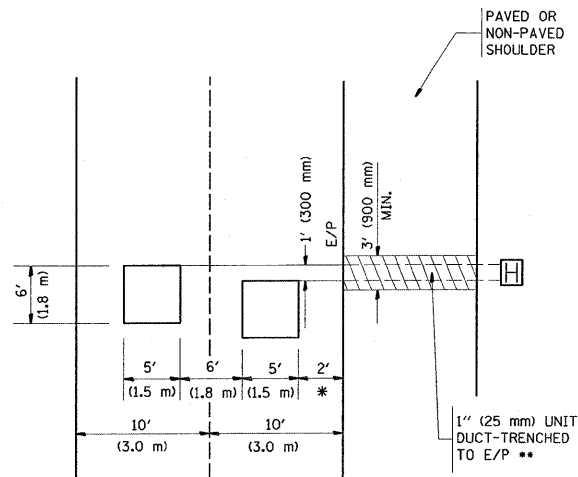
- DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET (1.8 m) FROM THE RAIL CLOSEST TO THE INTERSECTION TO THE STOP LINE OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 5 FEET (1.5 m). WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE THE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6-FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION.

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

|                                      |                      |            |                    |   |   |                         |      |   |            |                  |              |           |
|--------------------------------------|----------------------|------------|--------------------|---|---|-------------------------|------|---|------------|------------------|--------------|-----------|
| FILE NAME =                          | USER NAME = galbannb | DESIGNED - | REVISED - 01-01-07 | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING<br/>TREATMENT FOR RAILROAD CROSSINGS</b> |                         |      | F.A. RTE.   | SECTION    | COUNTY           | TOTAL SHEETS | SHEET NO. |
| c:\pwork\PWIDOT\GALBANNB\0140162\01s | Std.dgn              | DRAWN -    | REVISED -          |   | SCALE: NONE   | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.   | 1-0-1-RS-3 | WILL             | 34           | 33        |
|                                      |                      | CHECKED -  | REVISED -          |   |   |                         |      | <b>TC-23</b>  |            | CONTRACT NO. NO. |              |           |
|                                      |                      | DATE -     | REVISED -          |   |   |                         |      | 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.



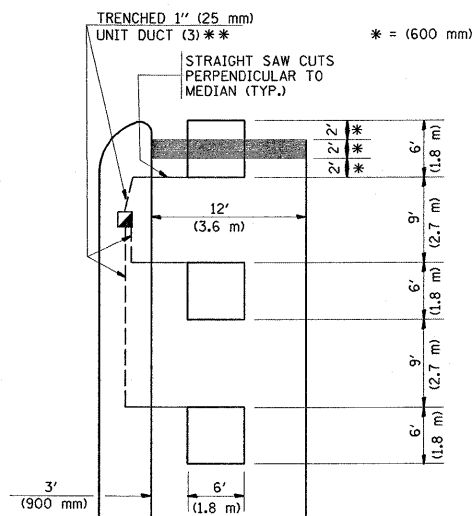
\* = (600 mm)

\*\* 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.



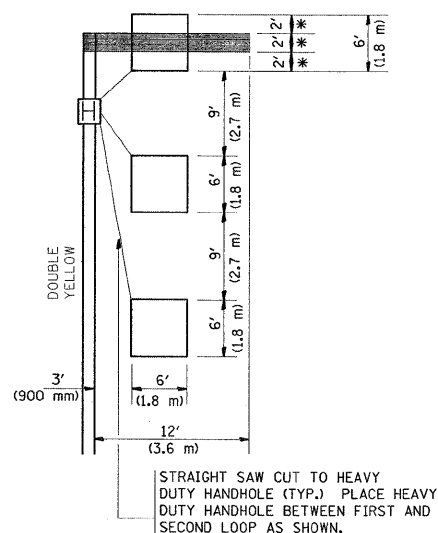
\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS  
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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**

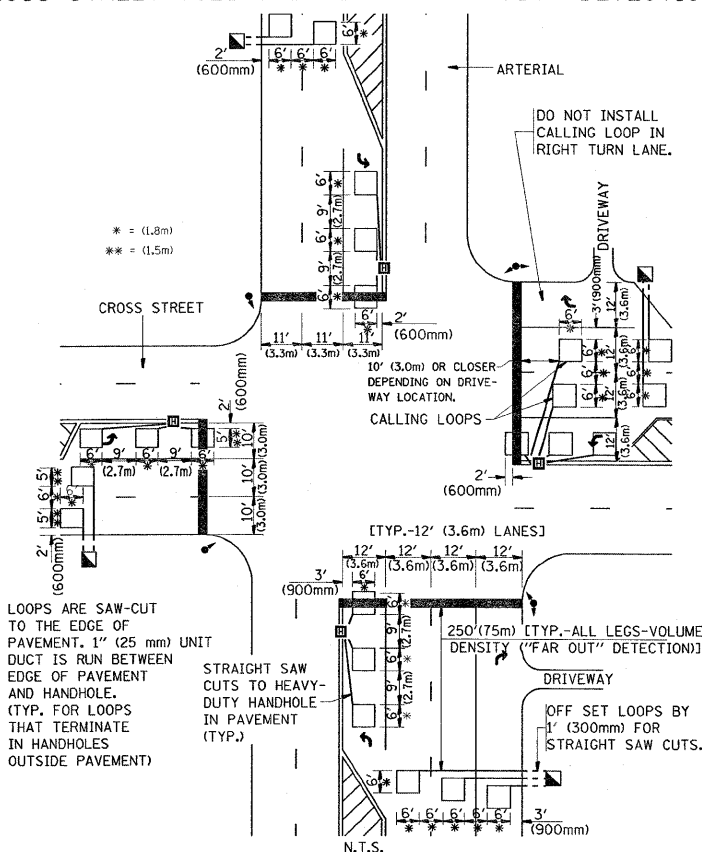
(PROTECTED / PERMITTED LEFT TURN PHASING)

\* = (600 mm)



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

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

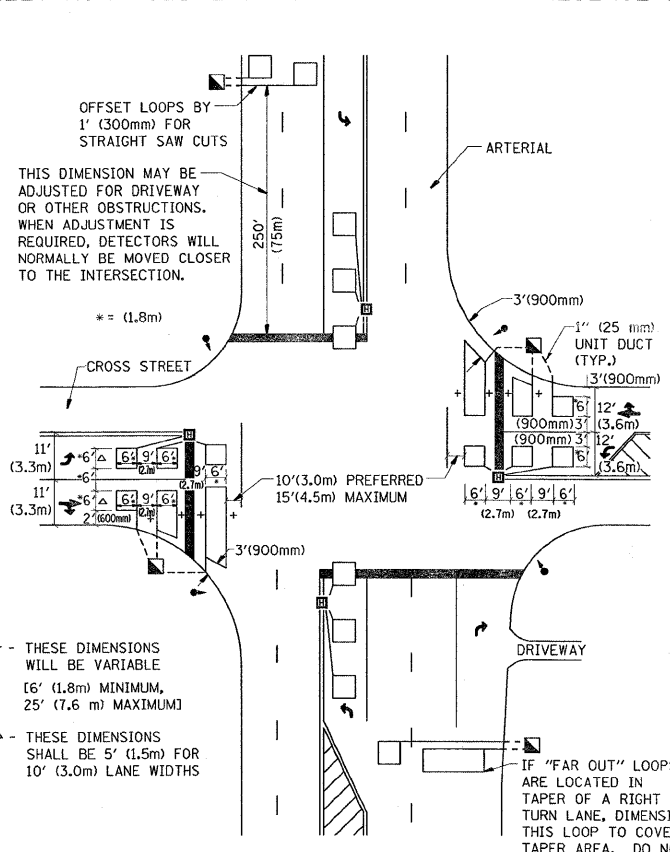


LOOPS ARE SAW-CUT  
TO THE EDGE OF  
PAVEMENT. 1" (25 mm) UNIT  
DUCT IS RUN BETWEEN  
EDGE OF PAVEMENT  
AND HANDHOLE.  
(TYP. FOR LOOPS  
THAT TERMINATE  
IN HANDHOLES  
OUTSIDE PAVEMENT)

STRAIGHT SAW  
CUTS TO HEAVY-  
DUTY HANDHOLE  
IN PAVEMENT  
(TYP.)

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

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



+ - THESE DIMENSIONS  
WILL BE VARIABLE  
(6' (1.8m) MINIMUM,  
25' (7.6 m) MAXIMUM)

△ - THESE DIMENSIONS  
SHALL BE 5' (1.5m) FOR  
10' (3.0m) LANE WIDTHS

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

**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 DIMENSIONS 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.

\* FAP856/FAU0318

|  |                      |                  |           |   |  |                         |      |                       |                    |                  |              |           |
|--|----------------------|------------------|-----------|---|--|-------------------------|------|-----------------------|--------------------|------------------|--------------|-----------|
| FILE NAME =                            | USER NAME = galbannb | DESIGNED -       | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>DISTRICT 1 - DETECTOR LOOP INSTALLATION<br/>DETAILS FOR ROADWAY RESURFACING</b> |                         |      | F.A. RTE.             | SECTION            | COUNTY           | TOTAL SHEETS | SHEET NO. |
| cr:\pwork\PIWIDOT\GALBANNB\0140162\Dis | Std.dgn              | DRAWN -          | REVISED - |   | 1-D-1-RS-3   | WILL                    | 34   | 34                    |                    |                  |              |           |
| PLOT SCALE = 50.0000 / IN.             |                      | CHECKED - R.K.F. | REVISED - |   | <b>TS-07</b>   |                         |      | FED. ROAD DIST. NO. 1 | ILLINOIS           | FED. AID PROJECT |              |           |
| PLOT DATE = 6/26/2009                  |                      | DATE             | REVISED - |   | SCALE: NONE  | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.               | CONTRACT NO. 60H61 |                  |              |           |