

03

06-14-2019 LETTING ITEM 031

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

| F.A.P. RTE. | SECTION   | COUNTY       | TOTAL SHEETS | SHEET NO. |
|-------------|-----------|--------------|--------------|-----------|
| 717         | (101)RS-4 | MASON, LOGAN | 21           | 1         |

CONTRACT NO. 72L13

INDEX OF SHEETS

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- 8 TYPICAL SECTIONS
- 9 TIES AND BENCHMARKS
- 10-18 PLAN SHEETS
- 19-21 DETAIL SHEETS

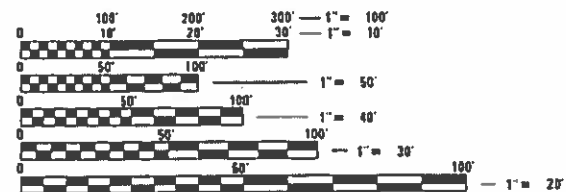
# PROPOSED HIGHWAY PLANS

FAP 717 (IL 10)  
SECTION (101)RS-4  
PROJECT STP-6KE8(930)  
3P RESURFACING  
MASON AND LOGAN COUNTY

C-96-049-19

**HIGHWAY CLASSIFICATION**

F.A.P. ROUTE 717 (IL 10)  
 CLASSIFICATION: MINOR ARTERIAL (IL 10)  
 ADT: 1575(2017) (IL 10)  
 DESIGN SPEED: 60 MPH & 50 MPH  
 POSTED SPEED: 55 MPH & 45 MPH  
 PV = 85.2% (IL 10)  
 SU = 9.5% (IL 10)  
 MU = 5.3% (IL 10)

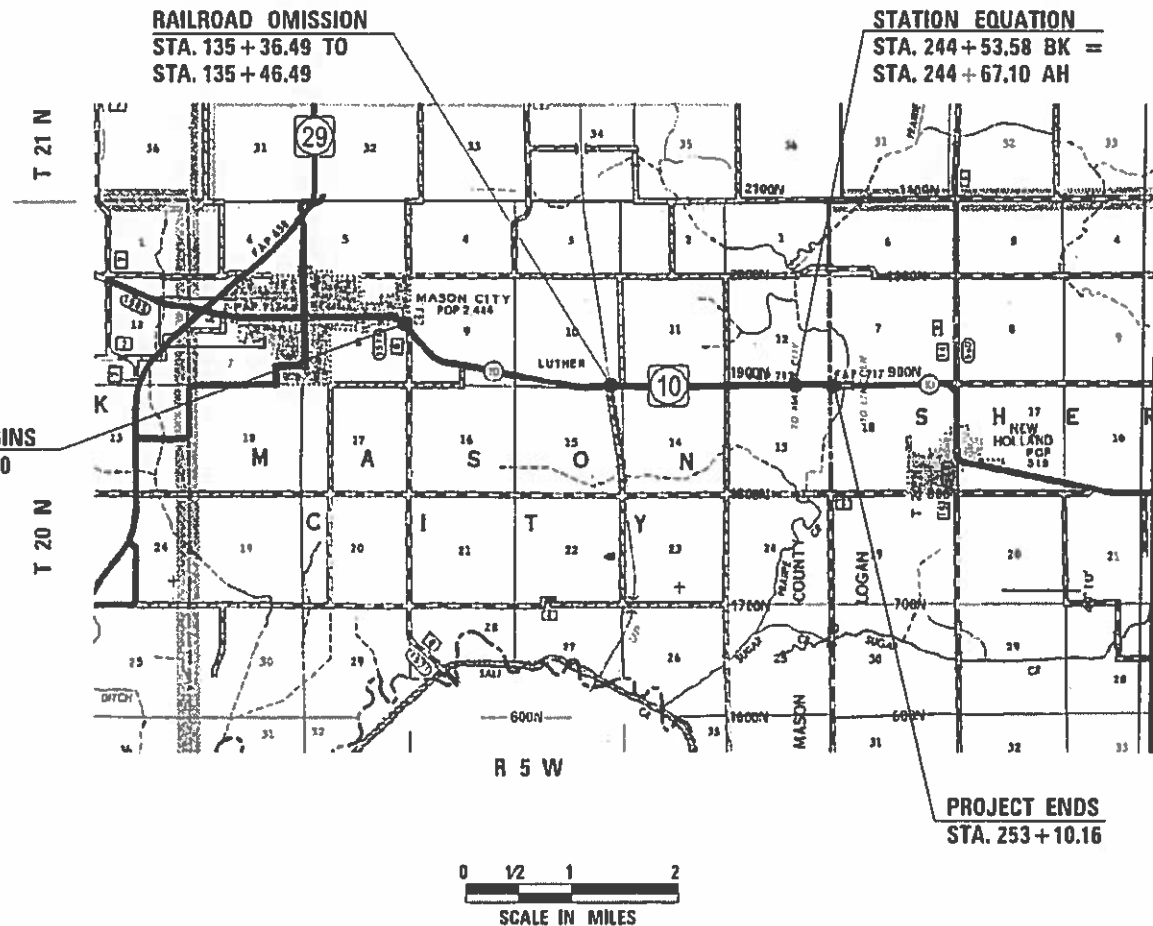


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JAY EDWARDS (217) 785-0597  
 PROJECT MANAGER: FRANK SHIMKUS (217) 785-9102

CONTRACT NO. 72L13



GROSS LENGTH = 22,546.64 FT. = 4.27 MILE  
 NET LENGTH = 22,536.64 FT. = 4.27 MILE

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED 12 March 2019

*Stephen Smith*  
 REGIONAL ENGINEER

May 10 2019  
*CA ETV*  
 ENGINEER OF DESIGN AND ENVIRONMENT

May 10 2019  
*Paul E. Chis*  
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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 OF THE STATE OF ILLINOIS

**GENERAL NOTES**

- IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- ACCESS TO ALL ENTRANCES AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES.
- THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE 1 1/2 " UNLESS OTHERWISE SPECIFIED IN A DETAIL SHOWN IN THE PLANS.
- UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT. EDGE LINES SHALL BE APPROXIMATELY 2" FROM THE EDGE LINE OF PAVEMENT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
- NO PASSING ZONES TO BE FIELD VERIFIED BY THE BUREAU OF OPERATIONS. THE RESIDENT ENGINEER SHALL NOTIFY THE BUREAU OF OPERATIONS AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PERMANENT PAVEMENT MARKING. (PH: 217-782-7314)
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:  

|  |   |
|--|---|
| SEEDING FERTILIZER RATIO (NIT:POS:POT) | 90:90:90 LBS./AC.                                       |
| BITUMINOUS MATERIALS (TACK COAT)       | 0.05 LB/SO. FT. (ON PAVEMENT: MILLED HMA)               |
| BITUMINOUS MATERIALS (TACK COAT)       | 0.025 LB/SO. FT. (ON PAVEMENT: HMA LIFTS)               |
| BITUMINOUS MATERIALS (PRIME COAT)      | 0.25 LB/SO. FT. ± 0.01                                  |
| BITUMINOUS CONCRETE SURFACE / BINDER   | 0.056 TON/CU. YD. PER 1"                                |
| AGGREGATE MATERIAL                     | 2.05 TON/CU. YD.  |
| RIPRAP                                 | 1.75 TON/SO. YD.  |
| AGRICULTURAL GROUND LIMESTONE          | 2 TONS/ACRE MULTIPLIED BY THE SOURCE CORRECTION FACTOR. |
- THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.
- NOTE THAT AGGREGATE SHOULDER AROUND MAILBOX TURNOUTS HAVE BEEN ADDED TO THE DISTRICT ENTRANCE DETAIL. NOTE THAT THE ADDITIONAL AGGREGATE WORK ON THE DETAIL ONLY PERTAINS TO THE MAILBOX TURNOUTS AND NOT THE SIDE ROADS.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS, MONUMENTS, AND PERMANENT SURVEY MARKERS UNTIL THE OWNER AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- NO COMMITMENTS MADE.

**STANDARDS**

- 000001-07 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 442201-03 CLASS C AND D PATCHES
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
- 701901-08 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

| MIXTURE USE(S):                             | HMA SURFACE COURSE | PATCHING    | INCIDENTAL HMA SURFACE/ SHOULDERS |
|---|--------------------|-------------|-----------------------------------|
| PG:   | PG 58-28           | PG 58-28    | PG 58-28                          |
| DESIGN AIR VOIDS:                           | 4.0% @ N 50        | 4.0% @ N 50 | 4.0% @ N 50                       |
| MIXTURE COMPOSITION:<br>(GRADATION MIXTURE) | IL 9.5             | IL 19.0     | IL 9.5                            |
| FRICTION AGGREGATE:                         | MIX "C"            | N/A         | MIX "C"                           |
| QUALITY MANAGEMENT                          | OCP                | QC/OA       | QC/OA                             |
| SUBLOT SIZE                                 | 1000 TON           | N/A         | N/A                               |

|  |              |
|--|--------------|
| <b>DISTRICT SIX</b>                    |              |
| EXAMINED <u>19 February</u>            | 20 <u>19</u> |
| <i>[Signature]</i>                     |              |
| <b>OPERATIONS ENGINEER</b>             |              |
| EXAMINED <u>12 March</u>               | 20 <u>19</u> |
| <i>[Signature]</i>                     |              |
| <b>PROJECT IMPLEMENTATION ENGINEER</b> |              |
| EXAMINED <u>February 27</u>            | 20 <u>19</u> |
| <i>[Signature]</i>                     |              |
| <b>PROGRAM DEVELOPMENT ENGINEER</b>    |              |

REV. - MS

CONSTRUCTION CODE

80% / 20% STP  
PPS# 6-01400-0000

| CODE NO. | ITEM   | UNIT   | TOTAL QUANTITY | ROADWAY    |                     |
|----------|--|--------|----------------|------------|---------------------|
|          |  |        |                | 0005 MASON | 0005 LOGAN          |
|          |  |        |                | 35800100   | PREPARATION OF BASE |
| 40600275 | BITUMINOUS MATERIALS (PRIME COAT)            | POUND  | 861            | 794        | 67                  |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT)             | POUND  | 30040          | 29190      | 850                 |
| 40600400 | MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS   | TON    | 3              | 3          |                     |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ YD  | 1610           | 1581       | 29                  |
| 40600990 | TEMPORARY RAMP                               | SQ YD  | 78             | 58         | 20                  |
| 40603310 | HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 | TON    | 7292           | 7098       | 194                 |
| 40800050 | INCIDENTAL HOT-MIX ASPHALT SURFACING         | TON    | 262            | 249        | 13                  |
| 44200192 | PAVEMENT PATCHING, TYPE II, 16 INCH          | SQ YD  | 110            | 110        |                     |
| 44200196 | PAVEMENT PATCHING, TYPE III, 16 INCH         | SQ YD  | 50             | 50         |                     |
| 44200198 | PAVEMENT PATCHING, TYPE IV, 16 INCH          | SQ YD  | 130            | 130        |                     |
| 48102100 | AGGREGATE WEDGE SHOULDER, TYPE B             | TON    | 1116           | 1089       | 27                  |
| 48203100 | HOT-MIX ASPHALT SHOULDERS                    | TON    | 18             |            | 18                  |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A              | CAL MO | 6              | 6          |                     |

|   |                       |            |           |
|---|-----------------------|------------|-----------|
| FILE NAME =   | USER NAME = shmkusft  | DESIGNED - | REVISED - |
| pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 6\Projects\0672L13\Drawings\CADsheets\0672L13-shr-soq.dgn |                       | CHECKED -  | REVISED - |
| Default   | PLOT DATE = 3/15/2019 | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

| SUMMARY OF QUANTITIES |       |    |        |
|-----------------------|-------|----|--------|
| SCALE:                | SHEET | OF | SHEETS |
|                       | STA.  | TO | STA.   |

|                           |            |        |                    |           |
|---------------------------|------------|--------|--------------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
| 717                       | (101) RS-4 | *      | 21                 | 3         |
|                           |            |        | CONTRACT NO. 72L13 |           |
| ILLINOIS FED. AID PROJECT |            |        |                    |           |

| CONSTRUCTION CODE |         |
|-------------------|---------|
| 80% / 20% STP     |         |
| PPS# 6-01400-0000 |         |
| ROADWAY           | ROADWAY |
| 0005              | 0005    |
| MASON             | LOGAN   |

| CODE NO.   | ITEM   | UNIT  | TOTAL QUANTITY | CONSTRUCTION CODE |         |
|------------|--|-------|----------------|-------------------|---------|
|            |  |       |                | ROADWAY           | ROADWAY |
|            |  |       |                | 0005              | 0005    |
|            |  |       |                | MASON             | LOGAN   |
| 67100100   | MOBILIZATION   | L SUM | 1              | 1                 |         |
| 70100450   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701201                  | L SUM | 1              | 1                 |         |
| 70100460   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701306                  | L SUM | 1              | 1                 |         |
| 70300100   | SHORT TERM PAVEMENT MARKING                                      | FOOT  | 4540           | 4412              | 128     |
| 70300150   | SHORT TERM PAVEMENT MARKING REMOVAL                              | SQ FT | 756            | 735               | 21      |
| * 78001120 | PAINT PAVEMENT MARKING - LINE 5"                                 | FOOT  | 58084          | 56724             | 1360    |
| * 78003100 | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS | SQ FT | 122            | 122               |         |
| * 78003180 | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"            | FOOT  | 78             | 78                |         |
| * 78100100 | RAISED REFLECTIVE PAVEMENT MARKER                                | EACH  | 286            | 277               | 9       |
| 78300200   | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL                        | EACH  | 286            | 277               | 9       |
| X4401198   | HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH                  | SQ YD | 65146          | 63285             | 1861    |
| Z0033700   | LONGITUDINAL JOINT SEALANT                                       | FOOT  | 22537          | 21937             | 600     |
| Z0034105   | MATERIAL TRANSFER DEVICE   | TON   | 7292           | 7098              | 194     |
| Z0048665   | RAILROAD PROTECTIVE LIABILITY INSURANCE                          | L SUM | 1              | 1                 |         |
| Z0049799   | PROTECTING OR RESETTING SURVEY MARKERS                           | EACH  | 3              | 3                 |         |

| CONSTRUCTION CODE |         |
|-------------------|---------|
| 80% / 20% STP     |         |
| PPS# 6-01400-0000 |         |
| ROADWAY           | ROADWAY |
| 0005              | 0005    |
| MASON             | LOGAN   |

| CODE NO.   | ITEM                               | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE |         |
|------------|------------------------------------|------|----------------|-------------------|---------|
|            |                                    |      |                | ROADWAY           | ROADWAY |
|            |                                    |      |                | 0005              | 0005    |
|            |                                    |      |                | MASON             | LOGAN   |
| Ø Z0076600 | TRAINEES                           | HOUR | 1000           | 1000              |         |
| Ø Z0076604 | TRAINEES TRAINING PROGRAM GRADUATE | HOUR | 1000           | 1000              |         |

Ø 0042

\* SPECIALTY ITEM

|  |                              |            |           |   |                              |                    |            |        |                           |           |    |
|--|------------------------------|------------|-----------|---|------------------------------|--------------------|------------|--------|---------------------------|-----------|----|
| FILE NAME =  | USER NAME = shmkusft         | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SUMMARY OF QUANTITIES</b> | F.A.P. RTE.        | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |    |
| pw\plnroom.dct.illinois.gov\PIDOT\Documents\IDOT Offices\District 6\Projects\0672L3000\Drawings\CAD\Sheets\0672L13-sh1-soq.dgn |                              | CHECKED -  | REVISED - |   |                              | 717                | (101) RS-4 | *      | 21                        | 4         |    |
| Default  | PLOT SCALE = 100.0000' / in. | DATE -     | REVISED - |   |                              | CONTRACT NO. 72L13 |            |        | ILLINOIS FED. AID PROJECT |           |    |
|  | PLOT DATE = 3/13/2019        |            |           |   |                              | SCALE:             | SHEET      | OF     | SHEETS                    | STA.      | TO |

REV. - MS



| ENTRANCE SCHEDULE                    |             |     |                         |                        |                                     |              |                   |                       |  |                                      |                             |                              |
|--------------------------------------|-------------|-----|-------------------------|------------------------|-------------------------------------|--------------|-------------------|-----------------------|--|--------------------------------------|-----------------------------|------------------------------|
| LOCATION                             |             |     | WIDTH ACROSS FRONT (FT) | WIDTH ACROSS BACK (FT) | LENGTH OF IMPROVEMENT FROM EOP (FT) | AREA (SQ YD) | EXIST. SURF. TYPE | PREP. OF BASE (SQ YD) | HOT-MIX ASPH. SURF. REMOVAL BUTT - JT. (SQ YD) | INCIDENTAL HOT-MIX ASPH. SURF. (TON) | BIT. MAT. TACK COAT (POUND) | BIT. MAT. PRIME COAT (POUND) |
| FAP 717 (IL 10)                      |             |     |                         |                        |                                     |              |                   |                       |  |                                      |                             |                              |
| STA. 33+03.79                        | P. E.       | LT. | 28                      | 14                     | 7                                   | 16.3         | HMA/AGG           |                       | 16.3   | 1.37                                 | 7.35                        |                              |
| STA. 34+14.06                        | C. E.       | LT. | 45                      | 26                     | 10                                  | 39.4         | HMA/AGG           |                       | 39.4   | 3.31                                 | 17.75                       |                              |
| STA. 34+18.05                        | C. E.       | RT. | 42                      | 27                     | 7                                   | 26.8         | HMA/AGG           |                       | 26.8   | 2.25                                 | 12.08                       |                              |
| STA. 36+02.33                        | C. E.       | LT. | 48.6                    | 30.5                   | 7                                   | 30.8         | HMA               |                       | 30.8   | 2.58                                 | 13.84                       |                              |
| STA. 36+26.47                        | C. E.       | RT. | 45.5                    | 30.5                   | 7                                   | 29.6         | HMA               |                       | 29.6   | 2.48                                 | 13.30                       |                              |
| STA. 37+30.41                        | C. E.       | LT. | 64.7                    | 46.5                   | 7                                   | 43.2         | CONC              |                       |  |                                      |                             |                              |
| STA. 37+45.28                        | C. E.       | RT. | 61                      | 43                     | 7                                   | 40.4         | HMA               |                       | 40.4   | 3.40                                 | 18.20                       |                              |
| STA. 38+94.63                        | C. E.       | RT. | 63                      | 47                     | 7                                   | 42.8         | AGG               | 42.8                  |  | 19.2                                 |                             | 96.26                        |
| STA. 39+16.66                        | C. E.       | LT. | 74                      | 56                     | 7                                   | 50.6         | AGG               | 50.6                  |  | 22.6                                 |                             | 113.76                       |
| STA. 46+31.37                        | C. E.       | RT. | 43                      | 29                     | 7                                   | 28.0         | AGG               | 28.0                  |  | 12.5                                 |                             | 63.01                        |
| STA. 48+76.11                        | C. E.       | RT. | 63                      | 46.5                   | 7                                   | 42.6         | AGG               | 42.6                  |  | 19.1                                 |                             | 95.82                        |
| STA. 78+09.50                        | F. E.       | LT. |                         |                        |                                     |              | EARTH             |                       |  |                                      |                             |                              |
| STA. 89+50.16                        | P. E.       | RT. | 47                      | 31                     | 7                                   | 30.3         | HMA               |                       | 30.3   | 2.55                                 | 13.65                       |                              |
| STA. 101+75.09                       | F. E.       | LT. |                         |                        |                                     |              | EARTH             |                       |  |                                      |                             |                              |
| STA. 112+35.65                       | P. E. W/MBT | LT. | 66.5                    | 41.5                   | 7                                   | 42.0         | HMA/AGG           |                       | 42.0   | 3.53                                 | 18.90                       |                              |
| STA. 120+47.76                       | MBT         | LT. | 68                      | 34                     | 7                                   | 39.7         | HMA               |                       | 39.7   | 3.33                                 | 17.85                       |                              |
| STA. 121+60.09                       | P. E.       | RT. | 31                      | 21                     | 7                                   | 20.2         | HMA/AGG           |                       | 20.2   | 1.70                                 | 9.10                        |                              |
| STA. 128+46.61                       | P. E.       | LT. | 36.6                    | 23.7                   | 7                                   | 23.5         | HMA/AGG           |                       | 23.5   | 1.97                                 | 10.55                       |                              |
| STA. 132+81.69                       | P. E. W/MBT | LT. | 74.8                    | 50                     | 7                                   | 48.5         | HMA/AGG           |                       | 48.5   | 4.08                                 | 21.84                       |                              |
| STA. 134+67.51                       | P. E.       | LT. | 76.3                    | 49                     | 7                                   | 48.7         | HMA/AGG           |                       | 48.7   | 4.09                                 | 21.93                       |                              |
| STA. 136+35.76                       | P. E.       | LT. | 30.7                    | 25.4                   | 7                                   | 21.8         | AGG               | 21.8                  |  | 4.3                                  |                             | 49.09                        |
| STA. 137+40.86                       | P. E. W/MBT | LT. | 57.9                    | 37.8                   | 7                                   | 37.2         | HMA/AGG           |                       | 37.2   | 3.13                                 | 16.75                       |                              |
| STA. 152+37.78                       | F. E.       | RT. |                         |                        |                                     |              | AGG               |                       |  |                                      |                             |                              |
| STA. 167+62.72                       | F. E.       | RT. |                         |                        |                                     |              | AGG               |                       |  |                                      |                             |                              |
| STA. 176+25.29                       | MBT         | LT. | 64                      | 20                     | 7                                   | 32.7         | AGG               | 32.7                  |  | 6.4                                  |                             | 73.51                        |
| STA. 176+26.80                       | P. E.       | RT. | 49                      | 27.5                   | 7                                   | 29.8         | HMA/AGG           |                       | 29.8   | 2.50                                 | 13.39                       |                              |
| STA. 180+82.68                       | F. E.       | LT. |                         |                        |                                     |              | EARTH             |                       |  |                                      |                             |                              |
| STA. 184+25.60                       | F. E.       | RT. |                         |                        |                                     |              | EARTH             |                       |  |                                      |                             |                              |
| STA. 212+46.17                       | F. E.       | RT. |                         |                        |                                     |              | EARTH             |                       |  |                                      |                             |                              |
| STA. 212+46.17                       | F. E.       | LT. |                         |                        |                                     |              | EARTH             |                       |  |                                      |                             |                              |
| STA. 216+92.83                       | P. E. W/MBT | RT. | 75                      | 61.5                   | 7                                   | 53.1         | AGG               | 53.1                  |  | 10.40                                |                             | 119.45                       |
| STA. 220+72.50                       | F. E.       | LT. |                         |                        |                                     |              | EARTH             |                       |  |                                      |                             |                              |
| STA. 232+83.66                       | MBT         | RT. | 63                      | 35                     | 7                                   | 38.1         | HMA               |                       | 38.1   | 3.20                                 | 17.15                       |                              |
| STA. 233+72.91                       | P. E.       | LT. | 40                      | 23                     | 7                                   | 24.5         | AGG               | 24.5                  |  | 4.80                                 |                             | 55.13                        |
| STA. 234+05.17                       | P. E.       | RT. | 37                      | 25                     | 7                                   | 24.1         | AGG               | 24.1                  |  | 4.73                                 |                             | 54.26                        |
| STA EQ = 244+53.58 BK = 244+67.10 AH |             |     |                         |                        |                                     |              |                   |                       |  |                                      |                             |                              |
| STA. 246+16.21                       | P. E.       | LT. | 34                      | 22.7                   | 7                                   | 22.1         | HMA               |                       | 22.1   | 1.85                                 | 9.92                        |                              |
| STA. 246+20.13                       | MBT         | RT. | 64                      | 20                     | 7                                   | 32.7         | AGG               | 32.7                  |  | 6.40                                 |                             | 73.51                        |
| STA. 247+03.50                       | C. E.       | RT. | 46                      | 31                     | 7                                   | 29.9         | AGG               | 29.9                  |  | 13.42                                |                             | 67.38                        |
| STA. 247+30.33                       | F. E.       | LT. |                         |                        |                                     |              | AGG               |                       |  |                                      |                             |                              |
| TOTAL MASON                          |             |     |                         |                        |                                     |              |                   | 352.8                 | 563.4  | 157.8                                | 253.6                       | 793.8                        |
| TOTAL LOGAN                          |             |     |                         |                        |                                     |              |                   | 29.9                  | 0.0  | 13.4                                 | 0.0                         | 67.4                         |
| TOTAL                                |             |     |                         |                        |                                     |              |                   | 382.7                 | 563.4  | 171.2                                | 253.6                       | 861.2                        |

| PROTECTING AND RESETTING SURVEY MARKERS SCHEDULE |           |          |             |             |      |          |       |  |  |
|--|-----------|----------|-------------|-------------|------|----------|-------|--|--|
| NOTE: COORDINATES ARE NAD83/2007 adj.            |           |          |             |             |      |          |       |  |  |
| POINT#   | STATION   | OFFSET   | NORTHING    | EASTING     | TYPE | LOCATION | NOTES | DESCRIPTION                                      |  |
| *7470  | 141+27.22 | 2.60 LT  | 1284808.084 | 2443408.089 | 1    | PVT      |       | S.E. CORNER SEC10, T20N, R5W 3rd P.M. MASON CO.  |  |
| 7488   | 194+23.24 | 2.64 LT  | 1284880.199 | 2448703.621 | 1    | PVT      |       | S.W. CORNER SEC12, T20N, R5W, 3rd P.M. MASON CO. |  |
| DB1000   | 247+31.24 | 11.03 RT | 1284943.054 | 2453997.759 | 1    | PVT      |       | N.W. CORNER SEC18, T20N, R4W, 3rd P.M. LOGAN CO. |  |
|  |           |          |             | TJM         |      |          |       | 5/19/2017  |  |

\* FOUND PIPE, FOR PERPETUATE LOCATION ONLY. NO MONUMENT RECORD TO BE FILED. ORIGINAL MONUMENT RECORD TIES DESTROYED.

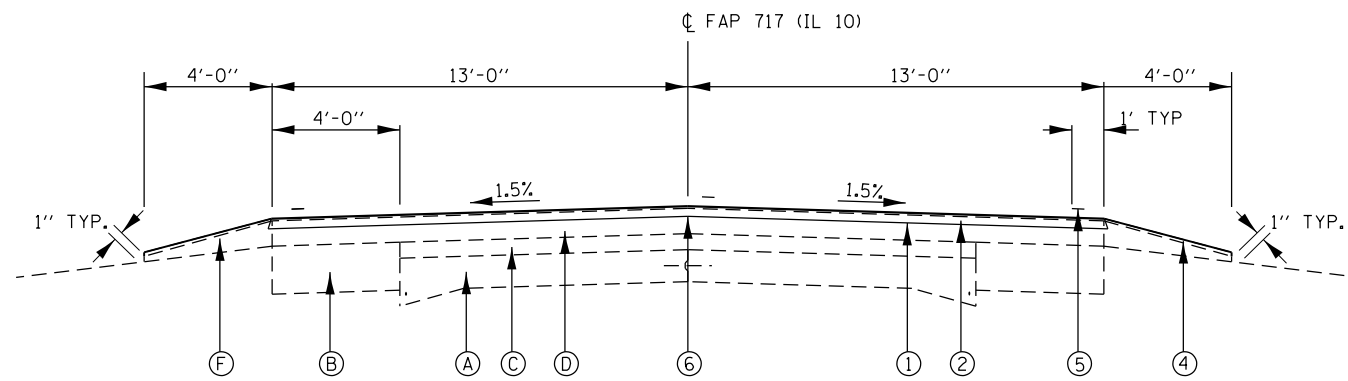
|  |                              |            |           |   |                                     |  |  |  |                           |           |        |              |           |
|--|------------------------------|------------|-----------|---|-------------------------------------|--|--|--|---------------------------|-----------|--------|--------------|-----------|
| FILE NAME =  | USER NAME = shmkusft         | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SCHEDULE OF QUANTITIES</b>       |  |  |  | F.A.P. RTE.               | SECTION   | COUNTY | TOTAL SHEETS | SHEET NO. |
| pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 6\Projects\0672L3\0672L3-CAD\Sheets\0672L3-sh-t-schedule | REVISIONS                    | CHECKED -  | REVISED - |   |                                     |  |  |  | 717                       | (10) RS-4 | *      | 21           | 6         |
| Default  | PLOT SCALE = 100.0000' / in. | DATE -     | REVISED - |   | SCALE: SHEET OF SHEETS STA. TO STA. |  |  |  | CONTRACT NO. 72L13        |           |        |              |           |
|  | PLOT DATE = 3/11/2019        | DATE -     | REVISED - |   |                                     |  |  |  | ILLINOIS FED. AID PROJECT |           |        |              |           |

| PAVEMENT MARKING                                  |                |                                      |                           |                    |  |   |  |
|---|----------------|--------------------------------------|---------------------------|--------------------|--|---|--|
| LOCATION<br>STATION TO STATION<br>IL10 (CHESTNUT) | LENGTH<br>(FT) | PAINT<br>PVT MARKING LINE 5"<br>(FT) |                           |                    | PREFORMED PLASTIC<br>PVT MARK, TY B LINE 24"<br>(FT) | PREFORMED PLASTIC<br>PVT MARK, LET & SMB<br>(SQ FT) |  |
|   |                | SKIP-DASH<br>YELLOW                  | SOLID (NO PASS)<br>YELLOW | EDGE LINE<br>WHITE | SOLID (STOP BAR)<br>WHITE                            | R, X<br>WHITE                                       |  |
|   |                | CL STA. 27+50.00 TO STA. 30+00.00    | 250.0                     | 70                 |  |   |  |
| CL STA. 30+00.00 TO STA. 49+00.00                 | 1,900.0        | 490                                  | 1900                      |                    |  |   |  |
| CL STA. 49+00.00 TO STA. 55+00.00                 | 600.0          |                                      | 1200                      |                    |  |   |  |
| CL STA. 55+00.00 TO STA. 65+00.00                 | 1,000.0        | 260                                  | 1000                      |                    |  |   |  |
| CL STA. 65+00.00 TO STA. 118+50.00                | 5,350.0        | 1350                                 |                           |                    |  |   |  |
| CL STA. 118+50.00 TO STA. 135+00.00               | 1,650.0        | 420                                  | 1650                      |                    |  |   |  |
| CL STA. 135+00.00 TO STA. 136+00.00               | 100.0          |                                      | 200                       |                    |  |   |  |
| CL STA. 136+00.00 TO STA. 145+50.00               | 950.0          | 250                                  | 950                       |                    |  |   |  |
| CL STA. 145+50.00 TO STA. 209+50.00               | 6,400.0        | 1610                                 |                           |                    |  |   |  |
| CL STA. 209+50.00 TO STA. 215+00.00               | 550.0          | 150                                  | 550                       |                    |  |   |  |
| CL STA. 215+00.00 TO STA. 226+50.00               | 1,150.0        | 300                                  |                           |                    |  |   |  |
| CL STA. 226+50.00 TO STA. 232+25.00               | 575.0          | 150                                  | 575                       |                    |  |   |  |
| CL STA. 232+25.00 TO STA. 244+53.58               | 1,228.6        | 320                                  |                           |                    |  |   |  |
| RT STA. 27+50.00 TO STA. 28+31.83                 | 81.8           |                                      |                           | 82                 |  |   |  |
| LT STA. 27+50.00 TO STA. 27+99.76                 | 49.8           |                                      |                           | 50                 |  |   |  |
| LT STA. 29+25.30 TO STA. 135+34.00                | 10,608.7       |                                      |                           | 10609              |  |   |  |
| LT STA. 135+44.11 TO STA. 141+01.00               | 556.9          |                                      |                           | 557                |  |   |  |
| RT STA. 29+69.63 TO STA. 61+42.25                 | 3,172.6        |                                      |                           | 3173               |  |   |  |
| RT STA. 62+20.16 TO STA. 134+34.08                | 7,213.9        |                                      |                           | 7214               |  |   |  |
| RT STA. 134+45.96 - -                             | -              |                                      |                           |                    | 13   |   |  |
| RT STA. 134+70.96                                 |                |                                      |                           |                    | 61   |   |  |
| RT STA. 134+95.96 - -                             | -              |                                      |                           |                    |  |   |  |
| RT STA. 135+05.09 TO STA. 135+37.43               | 32.3           |                                      |                           | 32                 |  |   |  |
| RT STA. 135+47.53 TO STA. 194+09.00               | 5,861.5        |                                      |                           | 5861               |  |   |  |
| RT STA. 135+20.96                                 |                |                                      |                           |                    | 13   |   |  |
| LT STA. 135+60.00                                 |                |                                      |                           |                    | 13   |   |  |
| LT STA. 135+85.00                                 |                |                                      |                           |                    | 13   |   |  |
| LT STA. 136+10.00                                 |                |                                      |                           |                    | 61   |   |  |
| LT STA. 136+35.00                                 |                |                                      |                           |                    | 13   |   |  |
| LT STA. 141+66.61 TO STA. 193+82.93               | 5,216.3        |                                      |                           | 5216               |  |   |  |
| LT STA. 194+48.94 TO STA. 244+53.58               | 5,004.6        |                                      |                           | 5005               |  |   |  |
| RT STA. 194+78.40 TO STA. 244+53.58               | 4,975.2        |                                      |                           | 4975               |  |   |  |
| STA. EQ 244+53.58 BK = 244+67.10 AH               |                |                                      |                           |                    |  |   |  |
| CL STA. 244+67.10 TO STA. 247+10.00               | 242.9          | 70                                   |                           |                    |  |   |  |
| CL STA. 247+10.00 TO STA. 253+10.16               | 600.2          | 160                                  |                           |                    |  |   |  |
| LT STA. 244+67.10 TO STA. 247+10.00               | 242.9          |                                      |                           | 243                |  |   |  |
| LT STA. 247+10.00 TO STA. 253+10.16               | 600.2          |                                      |                           | 600                |  |   |  |
| RT STA. 244+67.10 TO STA. 247+10.00               | 242.9          |                                      |                           | 243                |  |   |  |
| RT STA. 247+10.00 TO STA. 253+10.16               | 600.2          |                                      |                           | 600                |  |   |  |
| IL 10 MASON TOTAL                                 |                | 5440                                 | 8025                      | 43259              | 78   | 122   |  |
| IL 10 LOGAN TOTAL                                 |                | 160                                  | 0                         | 1200               | 0  | 0   |  |
| SUB-TOTAL   |                | 5600                                 | 8025                      | 44460              | 78   | 122   |  |
| TOTAL   |                |                                      | 58085                     |                    | 78   | 122   |  |

| RAISED REFLECTIVE PAVEMENT MARKER SCHEDULE        |             |                      |                   |                                       |                                      |  |
|---|-------------|----------------------|-------------------|---------------------------------------|--------------------------------------|--|
| LOCATION<br>STATION TO STATION<br>IL10 (CHESTNUT) | DESCRIPTION | REFLECTOR TYPE       | SPACING<br>(FEET) | RAISED REFL<br>PAVT MKR REM<br>(EACH) | RAISED REFL<br>PVT. MARKER<br>(EACH) |  |
| STA. 27+50.00 TO STA. 135+35.72                   | CL          | TWO WAY AMBER MARKER | 80                | 136                                   | 136                                  |  |
| STA. 135+45.82 TO STA. 244+54.58                  | CL          | TWO WAY AMBER MARKER | 80                | 137                                   | 137                                  |  |
| STA. EQ 244+53.58 BK = 244+67.10 AH               |             |                      |                   |                                       |                                      |  |
| STA. 244+67.10 TO STA. 247+10.00                  | CL          | TWO WAY AMBER MARKER | 80                | 4                                     | 4                                    |  |
| STA. 247+10.00 TO STA. 253+10.16                  | CL          | TWO WAY AMBER MARKER | 80                | 9                                     | 9                                    |  |
| MASON - TOTAL                                     |             |                      |                   | 277                                   | 277                                  |  |
| LOGAN - TOTAL                                     |             |                      |                   | 9                                     | 9                                    |  |
| TOTAL   |             |                      |                   | 286                                   | 286                                  |  |

| SHORT-TERM PAVEMENT MARKING                       |                |          |                              |                                 |  |  |
|---|----------------|----------|------------------------------|---------------------------------|--|--|
| LOCATION<br>STATION TO STATION<br>IL10 (CHESTNUT) | LENGTH<br>(FT) | SPACING  | NUMBER<br>OF<br>APPLICATIONS | SHORT-TERM<br>PAVE MARK<br>(FT) | SHORT-TERM<br>PAVE MARK REM<br>(SQ FT) |  |
| STA. 27+50.00 TO STA. 135+35.72                   | 10785.7        | 4' / 40' | 2                            | 2165                            | 360                                    |  |
| STA. 135+45.82 TO STA. 244+54.58                  | 10908.8        | 4' / 40' | 2                            | 2190                            | 365                                    |  |
| STA. EQ 244+53.58 BK = 244+67.10 AH               |                |          |                              |                                 |  |  |
| STA. 244+67.10 TO STA. 247+10.00                  | 242.9          | 4' / 40' | 2                            | 57                              | 9                                      |  |
| STA. 247+10.00 TO STA. 253+10.16                  | 600.2          | 4' / 40' | 2                            | 128                             | 21                                     |  |
| MASON SUB-TOTAL                                   |                |          |                              | 4411.5                          | 734.5                                  |  |
| LOGAN SUB-TOTAL                                   |                |          |                              | 128.0                           | 21.3                                   |  |
| TOTAL   |                |          |                              | 4540                            | 756                                    |  |

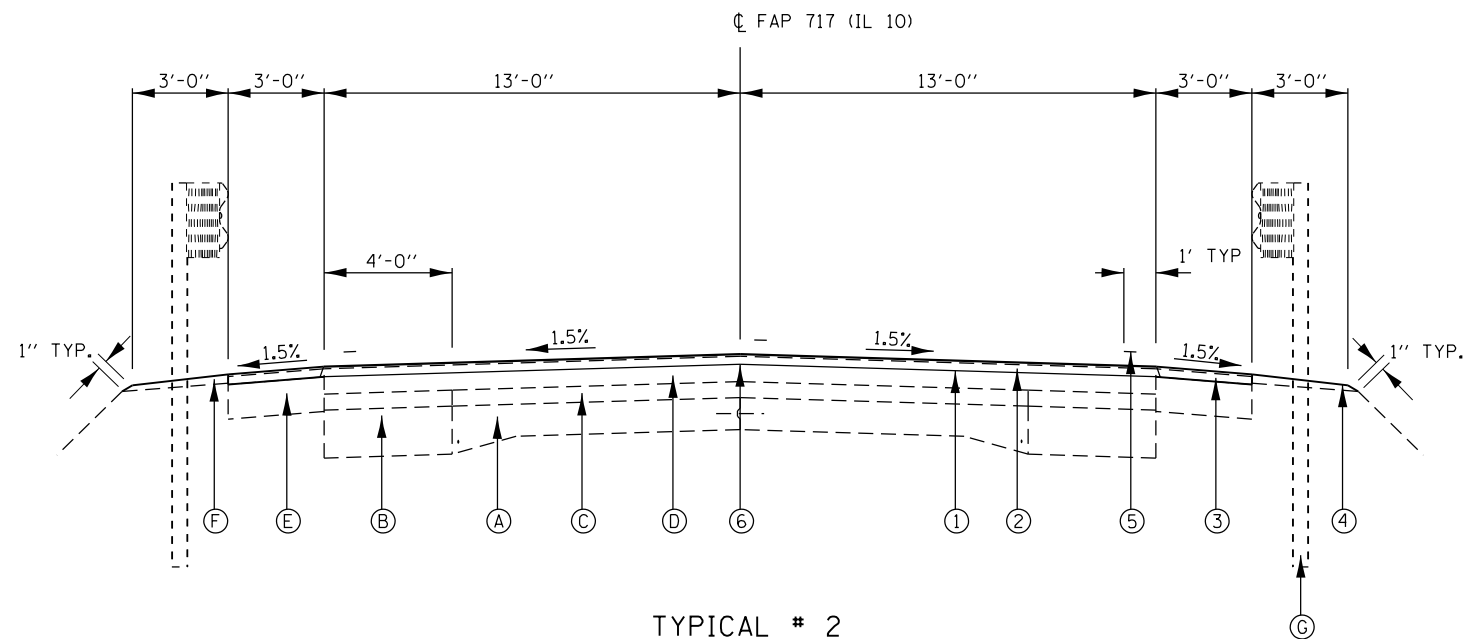
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| FILE NAME =   | USER NAME = shmkusft         | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | SCHEDULE OF QUANTITIES              |            |   | F.A.P.<br>RTE.     | SECTION | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
| pw\planroom.dot.illinois.gov\PIDOT\Documents\DOT Offices\District 6\Projects\0672L3\Drawings\CAD\Sheets\0672L3-shr-schedule |                              | CHECKED -  | REVISED - |   | 717                                 | (101) RS-4 | * | 21                 | 7       |        |                 |              |
| Default   | PLOT SCALE = 100.0000' / in. | DATE -     | REVISED - |   | SCALE: SHEET OF SHEETS STA. TO STA. |            |   | CONTRACT NO. 72L13 |         |        |                 |              |



**TYPICAL # 1**  
STA. 27+50.00 TO STA. 250+86.19

**LEGEND**

- (A) EXIST. PCC PAVEMENT 9-6-9
- (B) EXIST. HMA BASE COURSE WIDENING 9"
- (C) EXIST. HMA OVERLAY, 3"
- (D) EXIST. HMA OVERLAY, (4 3/4" - 6")
- (E) EXIST. HMA SHOULDER
- (F) EXIST. AGGREGATE SHOULDER
- (G) EXIST. GUARD RAIL (TO REMAIN IN PLACE)
  
- (1) PROP. HMA SURFACE REMOVAL, VARIABLE DEPTH
- (2) PROP. HMA SURFACE COURSE, MIX "C" N50, 2"
- (3) PROP. HMA SHOULDERS 2 "
- (4) PROP. AGGREGATE WEDGE SHOULDERS, TY B
- (5) PROP. PAVEMENT MARKING, 5"
- (6) PROP. LONGITUDINAL JOINT SEALANT



**TYPICAL # 2**  
STA. 250+86.19 TO STA. 253+10.16

**NOTE:**

SEE SUPER ELEVATION TABLE FOR LOCATIONS AND TRANSITIONS

MILLING DEPTH NEEDS MONITORED TO REMOVE ALL EXISTING STRIP REFLECTIVE CRACK CONTROL FABRIC. STRIP REFLECTIVE CRACK CONTROL LOCATED BELOW EXISTING 1.5" SURFACE.

|   |                           |            |           |
|---|---------------------------|------------|-----------|
| FILE NAME =   | USER NAME = s4mksust      | DESIGNED - | REVISED - |
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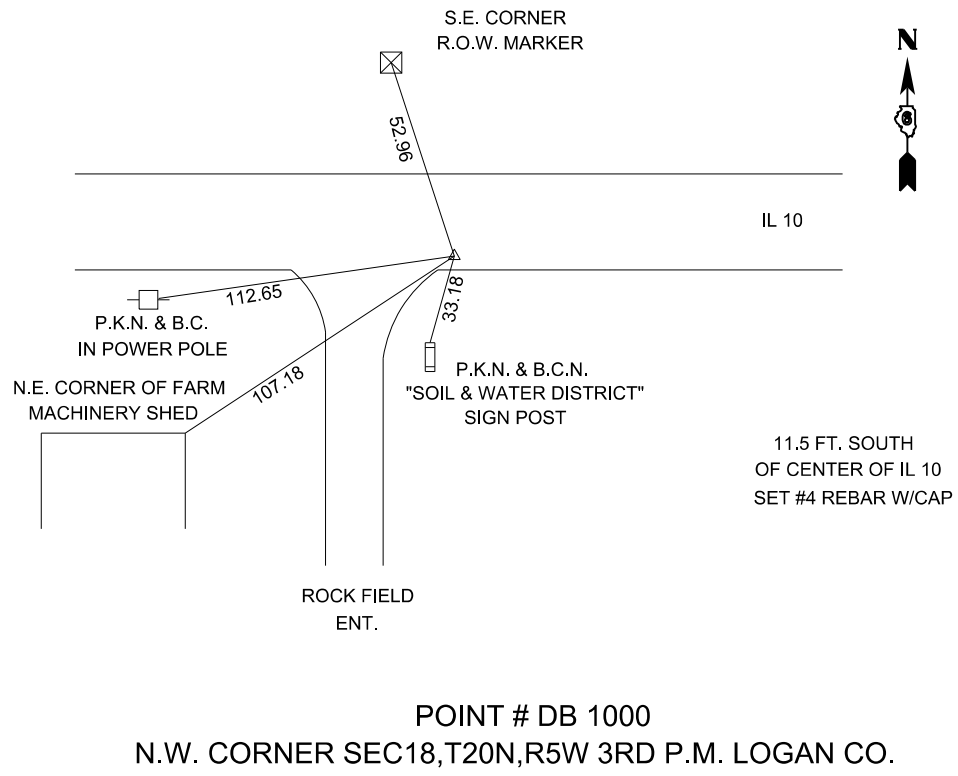
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS  
FAP 717 (IL 10)**

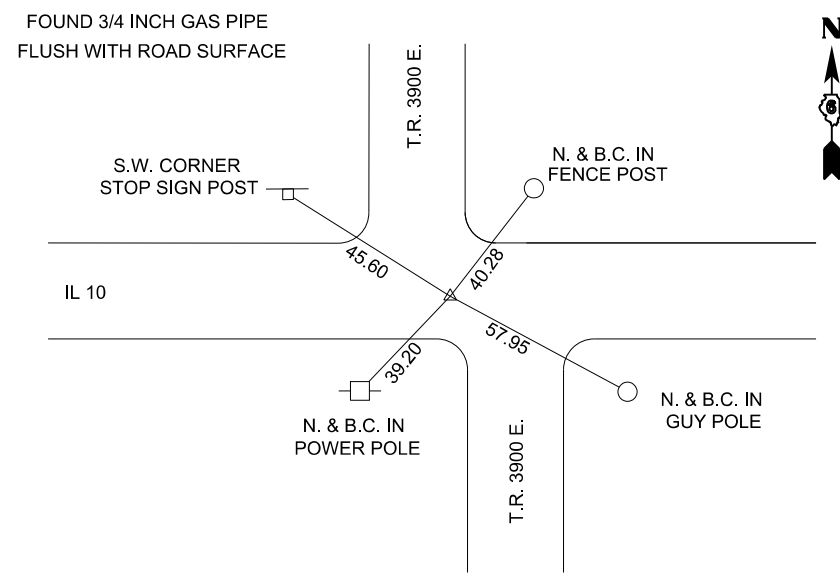
SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. P. RTE.       | SECTION    | COUNTY   | TOTAL SHEETS     | SHEET NO. |
|--------------------|------------|----------|------------------|-----------|
| 717                | (101) RS-4 | -        | 21               | 8         |
| CONTRACT NO. 72L13 |            |          |                  |           |
|                    |            | ILLINOIS | FED. AID PROJECT |           |



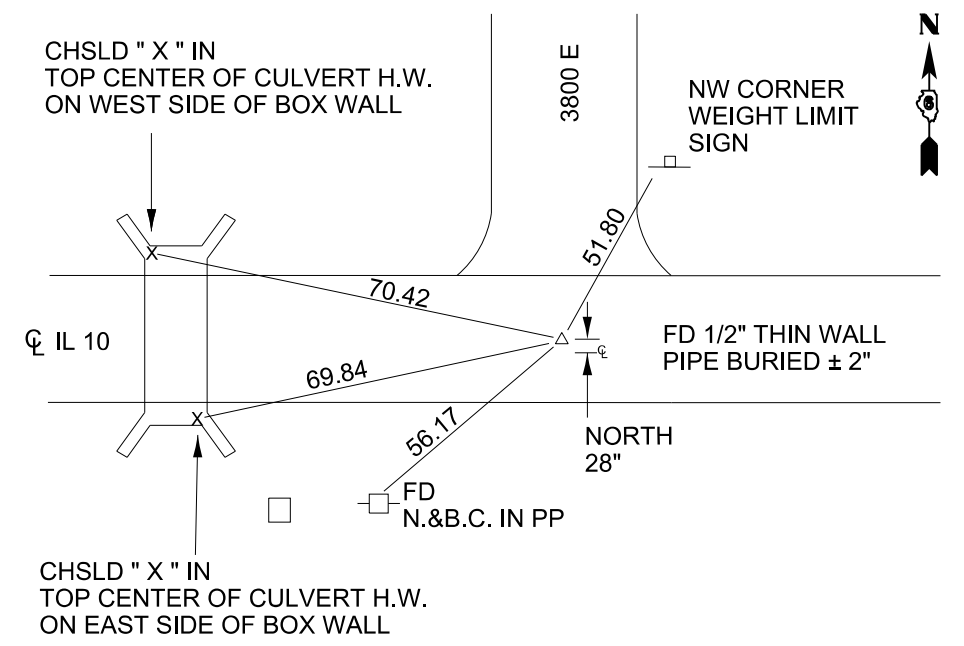


POINT # DB 1000  
N.W. CORNER SEC18,T20N,R5W 3RD P.M. LOGAN CO.



POINT # 7488  
S.W. CORNER SEC12,T20N, R5W, 3RD P.M. LOGAN CO.

T20N, R5W SEC 10 MASON CO.



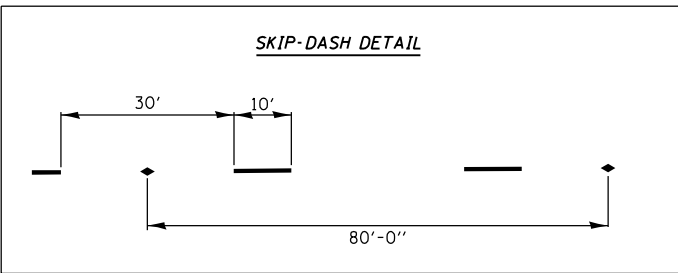
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| Default  | PLOT SCALE = 100,0000' / in.                                 | CHECKED -  | REVISED - |
|  | PLOT DATE = 3/11/2019  | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

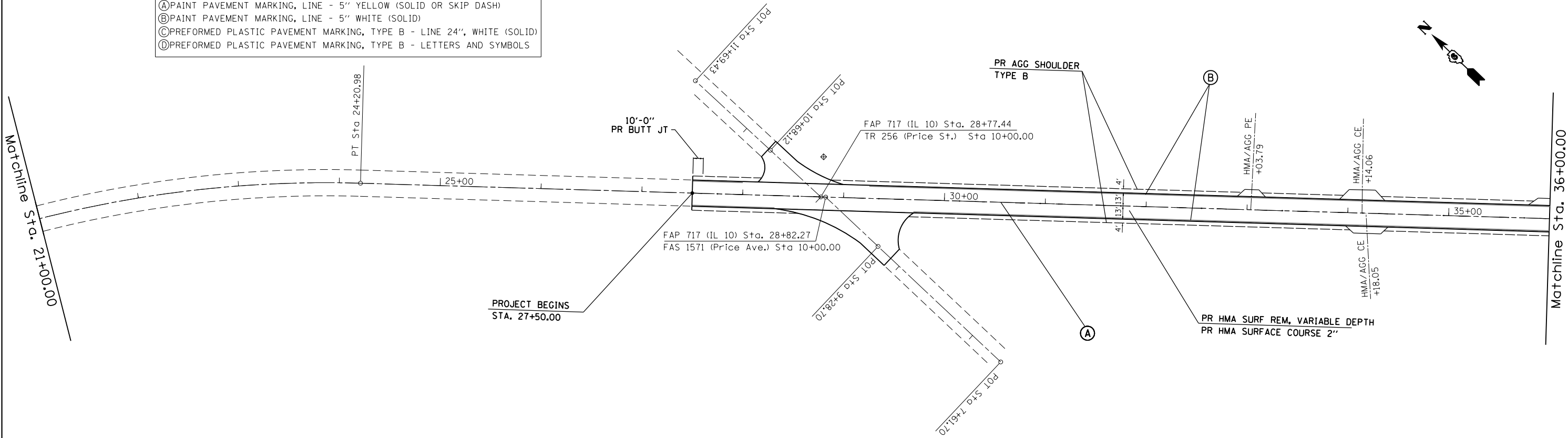
TIES & BENCHMARKS  
FAP 717 (IL 10)

SCALE: SHEET OF SHEETS STA. TO STA.

|                           |            |        |              |           |
|---------------------------|------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
| 717                       | (101) RS-4 |        | 21           | 9         |
| CONTRACT NO. 72L13        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |



| PAVEMENT MARKING LEGEND |  |
|-------------------------|--|
| (A)                     | PAINT PAVEMENT MARKING, LINE - 5" YELLOW (SOLID OR SKIP DASH)        |
| (B)                     | PAINT PAVEMENT MARKING, LINE - 5" WHITE (SOLID)                      |
| (C)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24", WHITE (SOLID) |
| (D)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS     |

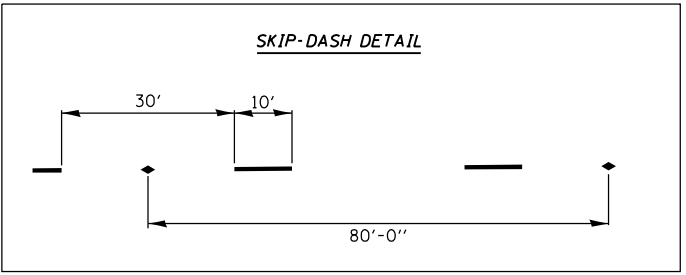
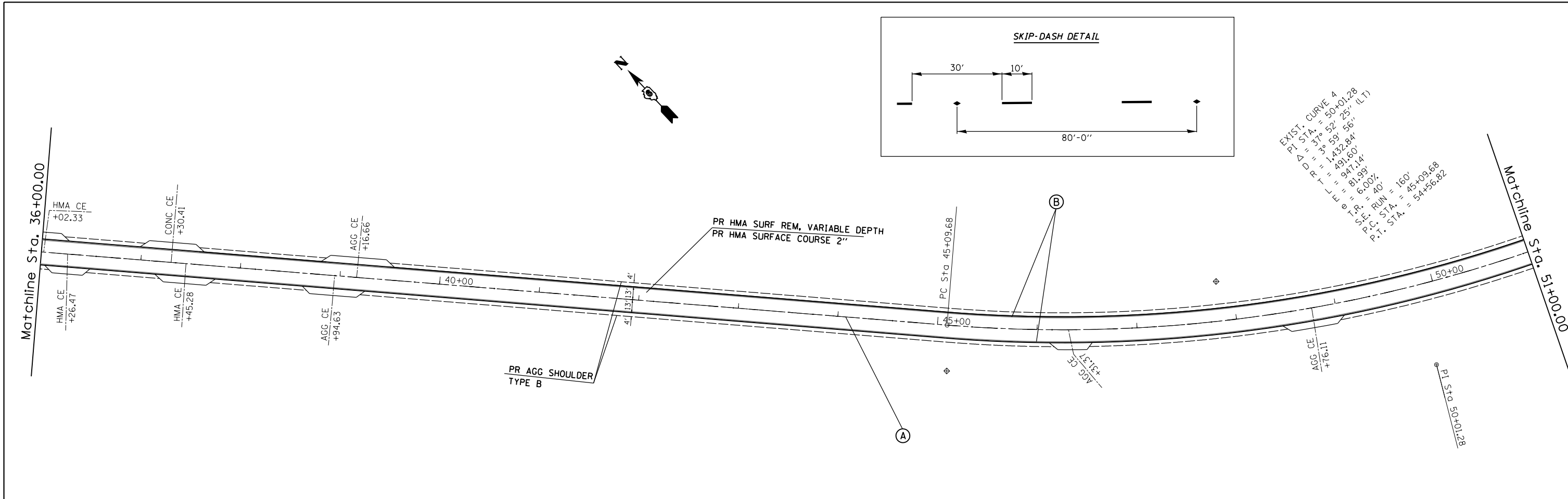


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| Default  | PLOT DATE = 3/11/2019 | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|                        |       |           |              |
|------------------------|-------|-----------|--------------|
| <b>PLAN SHEETS</b>     |       |           |              |
| <b>FAP 717 (IL 10)</b> |       |           |              |
| SCALE:                 | SHEET | OF SHEETS | STA. TO STA. |

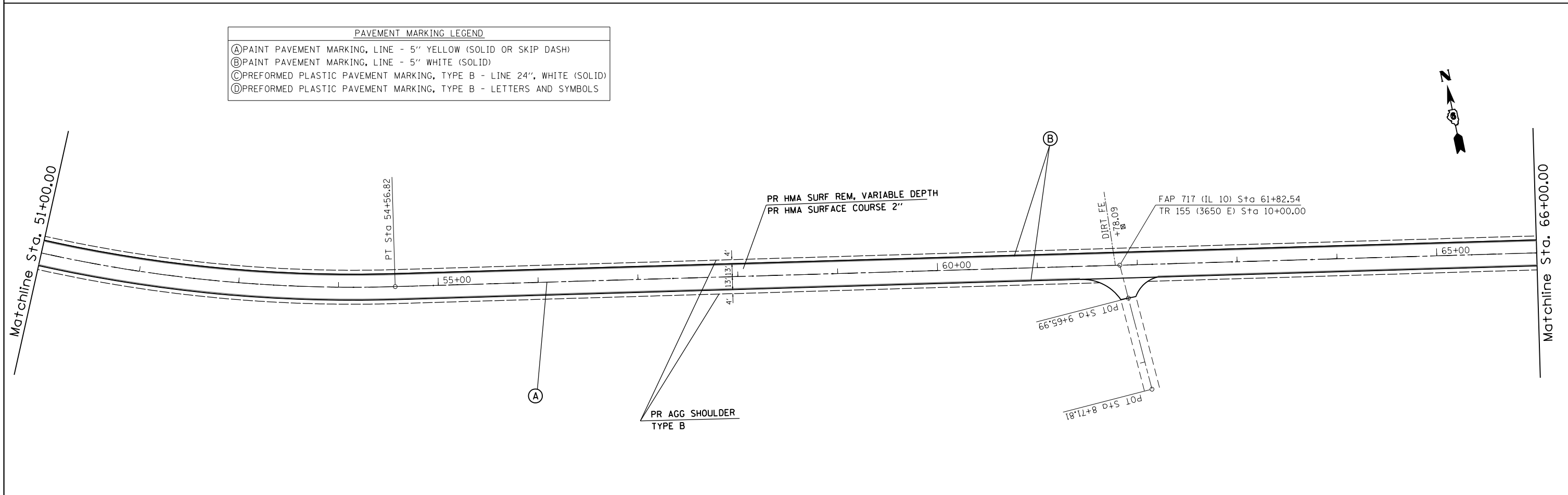
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| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
| 717                       | (101) RS-4 |        | 21                 | 10        |
| ILLINOIS FED. AID PROJECT |            |        | CONTRACT NO. 72L13 |           |



EXIST. CURVE 4  
 PI STA. = 50+01.28  
 $\Delta$  = 3° 52' 25" (L.T.)  
 $\Delta$  DRT = 1,432.84'  
 $\Delta$  L = 491.60'  
 $\Delta$  E = 947.14'  
 $\Delta$  T = 81.99'  
 $\Delta$  R = 6.00%  
 S.E. RUN = 40'  
 P.C. STA. = 45+09.68  
 P.T. STA. = 54+56.82

**PAVEMENT MARKING LEGEND**

|   |  |
|---|--|
| Ⓐ | PAINT PAVEMENT MARKING, LINE - 5" YELLOW (SOLID OR SKIP DASH)        |
| Ⓑ | PAINT PAVEMENT MARKING, LINE - 5" WHITE (SOLID)                      |
| Ⓒ | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24", WHITE (SOLID) |
| Ⓓ | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS     |



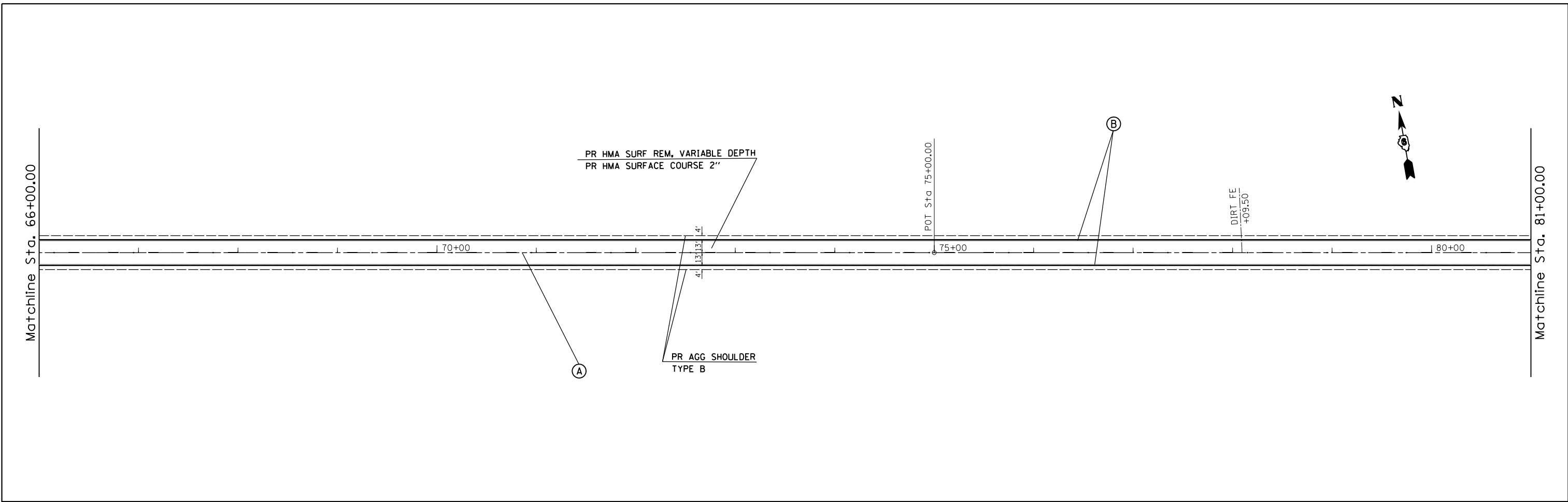
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| Default   | PLOT DATE = 3/11/2019 | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

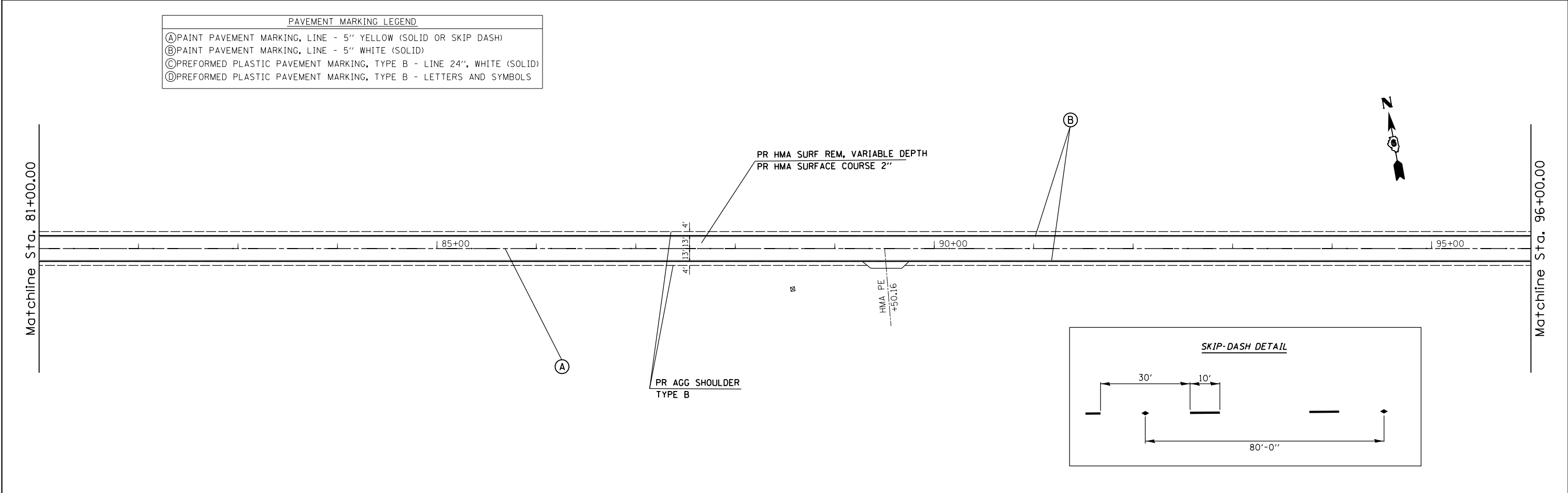
**PLAN SHEETS  
 FAP 717 (IL 10)**

|        |       |    |        |      |    |      |
|--------|-------|----|--------|------|----|------|
| SCALE: | SHEET | OF | SHEETS | STA. | TO | STA. |
|--------|-------|----|--------|------|----|------|

|                           |            |        |              |           |
|---------------------------|------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
| 717                       | (101) RS-4 |        | 21           | 11        |
| CONTRACT NO. 72L13        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |



| PAVEMENT MARKING LEGEND |  |
|-------------------------|--|
| (A)                     | PAINT PAVEMENT MARKING, LINE - 5" YELLOW (SOLID OR SKIP DASH)        |
| (B)                     | PAINT PAVEMENT MARKING, LINE - 5" WHITE (SOLID)                      |
| (C)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24", WHITE (SOLID) |
| (D)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS     |

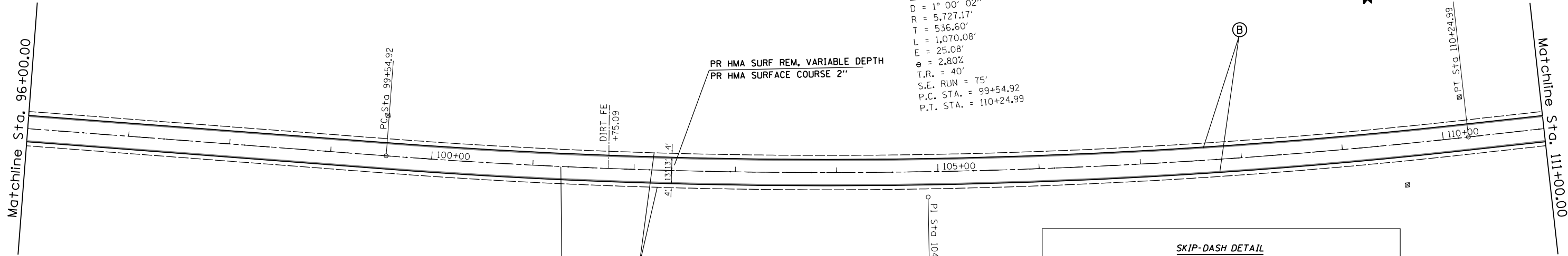


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| Default  | PLOT DATE = 3/11/2019 | DATE -     | REVISED - |

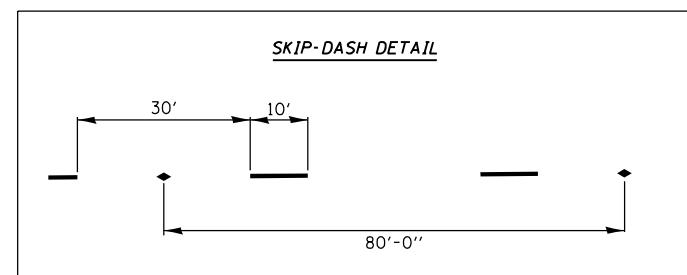
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|  |       |           |              |
|--|-------|-----------|--------------|
| <b>PLAN SHEETS<br/>FAP 717 (IL 10)</b> |       |           |              |
| SCALE:                                 | SHEET | OF SHEETS | STA. TO STA. |

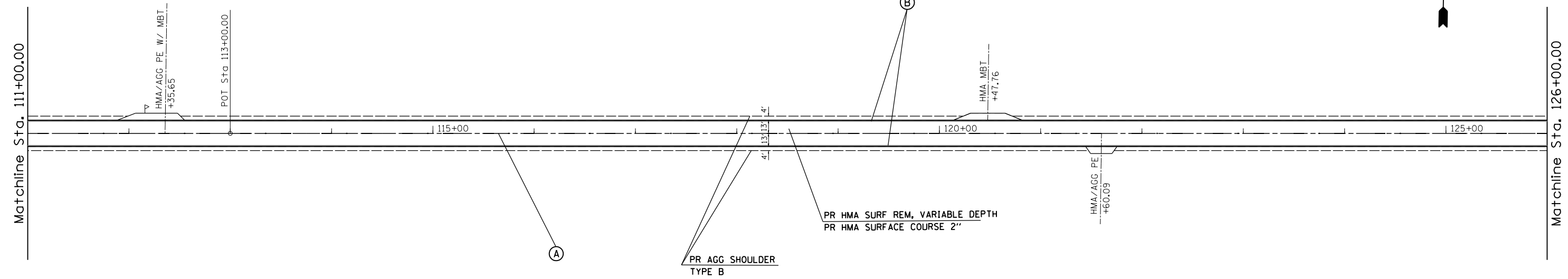
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|---------------------------|------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
| 717                       | (101) RS-4 |        | 21           | 12        |
| CONTRACT NO. 72L13        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |



EXIST. CURVE 5  
 PI STA. = 104+91.52  
 $\Delta = 10^\circ 42' 19''$  (LT)  
 $D = 1^\circ 00' 02''$   
 $R = 5,727.17'$   
 $T = 536.60'$   
 $L = 1,070.08'$   
 $E = 25.08'$   
 $e = 2.80\%$   
 $T.R. = 40'$   
 $S.E. RUN = 75'$   
 $P.C. STA. = 99+54.92$   
 $P.T. STA. = 110+24.99$



| PAVEMENT MARKING LEGEND |  |
|-------------------------|--|
| (A)                     | PAINT PAVEMENT MARKING, LINE - 5" YELLOW (SOLID OR SKIP DASH)        |
| (B)                     | PAINT PAVEMENT MARKING, LINE - 5" WHITE (SOLID)                      |
| (C)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24", WHITE (SOLID) |
| (D)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS     |



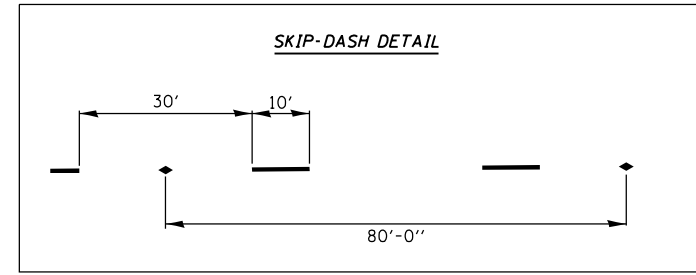
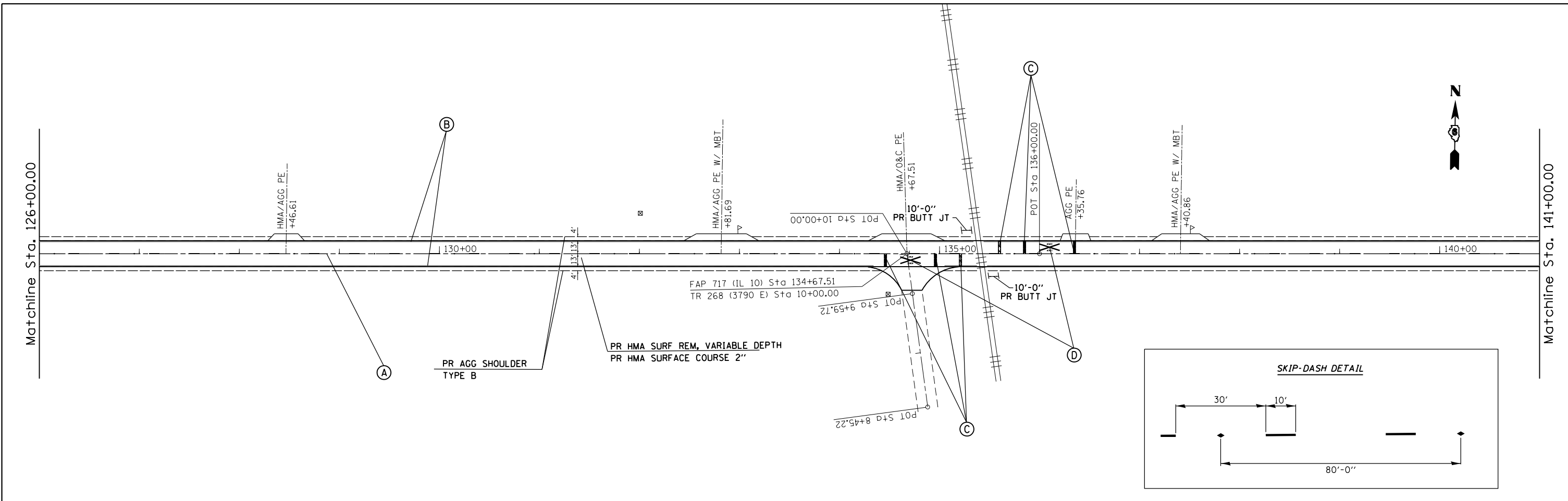
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

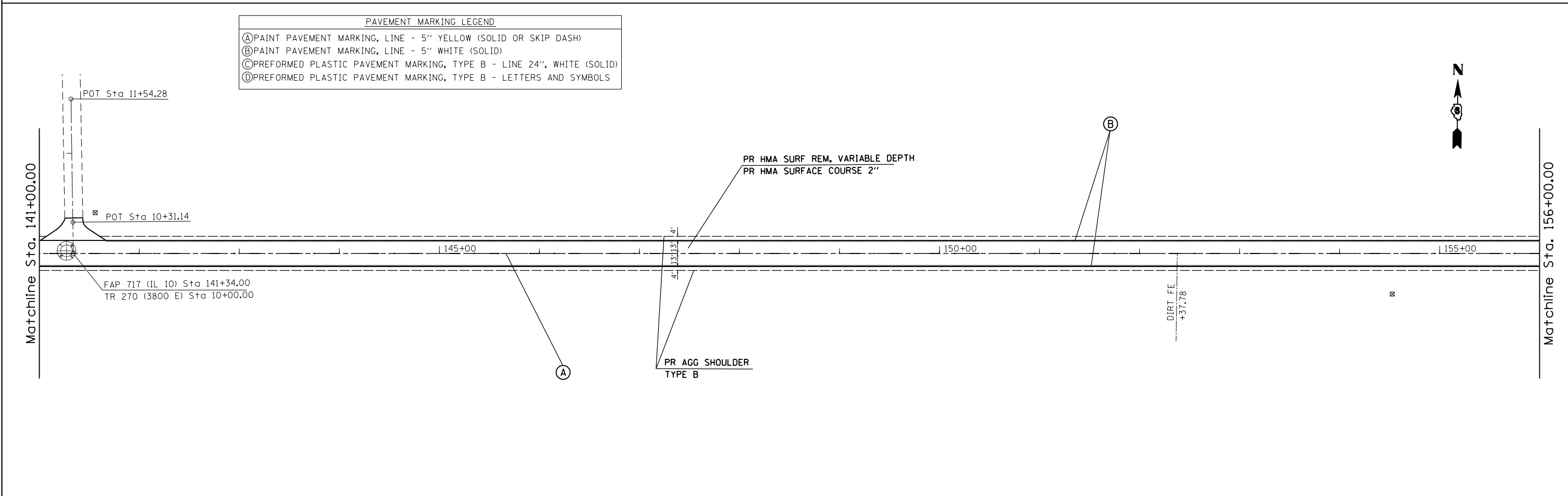
PLAN SHEETS  
 FAP 717 (IL 10)

|        |       |    |        |      |    |      |
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| SCALE: | SHEET | OF | SHEETS | STA. | TO | STA. |
|--------|-------|----|--------|------|----|------|

| F.A.P. RTE.        | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|------------|--------|---------------------------|-----------|
| 717                | (101) RS-4 |        | 21                        | 13        |
| CONTRACT NO. 72L13 |            |        | ILLINOIS FED. AID PROJECT |           |



| PAVEMENT MARKING LEGEND |  |
|-------------------------|--|
| (A)                     | PAINT PAVEMENT MARKING, LINE - 5" YELLOW (SOLID OR SKIP DASH)        |
| (B)                     | PAINT PAVEMENT MARKING, LINE - 5" WHITE (SOLID)                      |
| (C)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24", WHITE (SOLID) |
| (D)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS     |



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| Default  | PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - |
|  | PLOT DATE = 3/11/2019        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|  |       |           |              |
|--|-------|-----------|--------------|
| <b>PLAN SHEETS<br/>FAP 717 (IL 10)</b> |       |           |              |
| SCALE:                                 | SHEET | OF SHEETS | STA. TO STA. |

|                           |            |        |              |           |
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| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
| 717                       | (101) RS-4 |        | 21           | 14        |
| CONTRACT NO. 72L13        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |

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Matchline Sta. 171+00.00

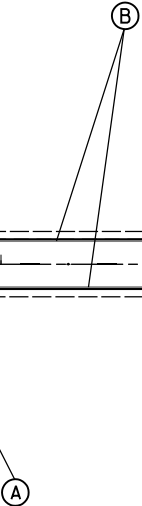


POT Sta. 160+00.00

160+00

165+00

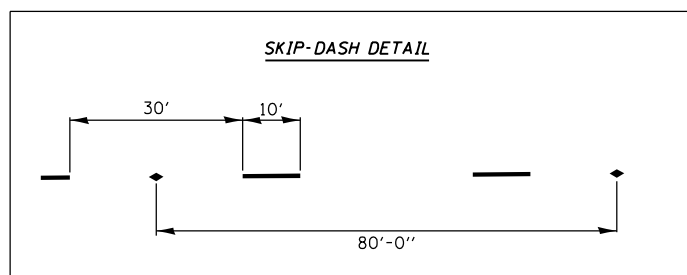
170+00



PR HMA SURF REM, VARIABLE DEPTH  
PR HMA SURFACE COURSE 2"

PR AGG SHOULDER  
TYPE B

DIRT FE  
+62.72



| PAVEMENT MARKING LEGEND |  |
|-------------------------|--|
| Ⓐ                       | PAINT PAVEMENT MARKING, LINE - 5" YELLOW (SOLID OR SKIP DASH)        |
| Ⓑ                       | PAINT PAVEMENT MARKING, LINE - 5" WHITE (SOLID)                      |
| Ⓒ                       | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24", WHITE (SOLID) |
| Ⓓ                       | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS     |

Matchline Sta. 171+00.00

Matchline Sta. 186+00.00



HMA/AGG PE  
+26.80

AGG MBT  
+25.29

175+00

180+00

185+00



PR HMA SURF REM, VARIABLE DEPTH  
PR HMA SURFACE COURSE 2"

PR AGG SHOULDER  
TYPE B

DIRT FE  
+82.68

DIRT FE  
+25.60

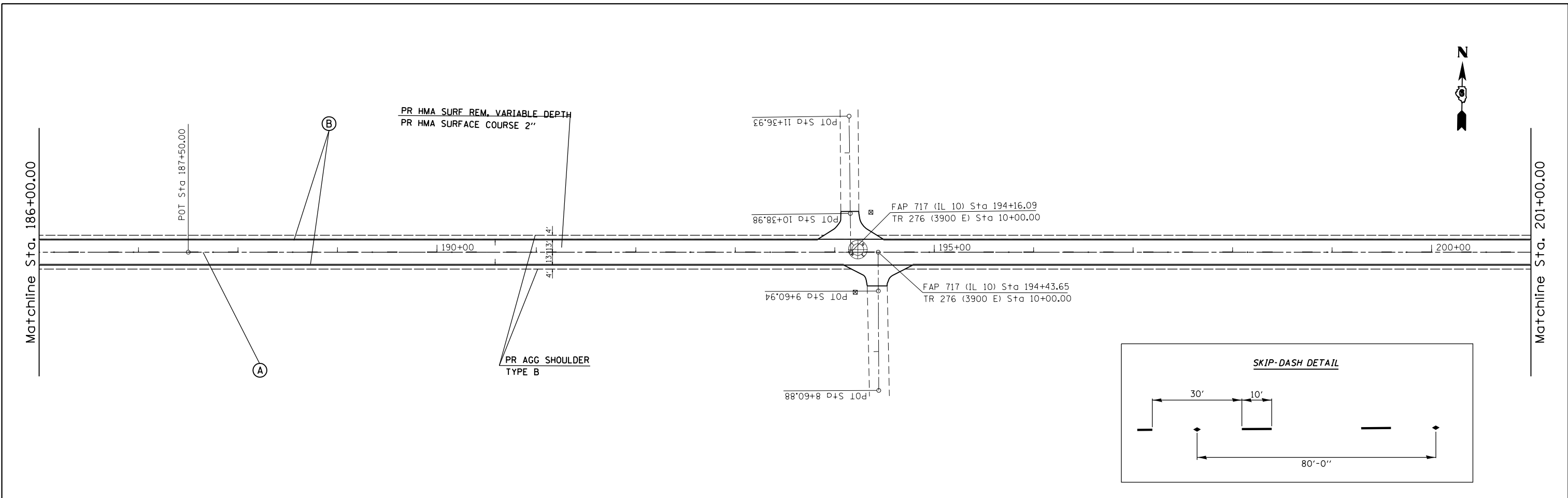
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

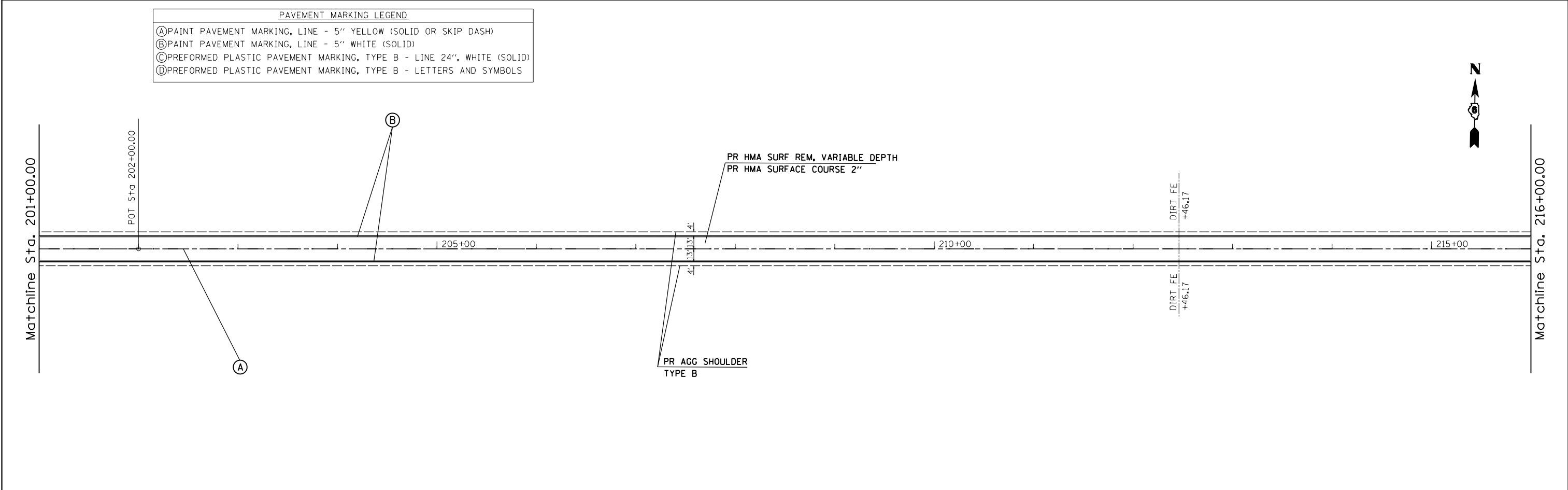
PLAN SHEETS  
FAP 717 (IL 10)

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE.        | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|------------|--------|---------------------------|-----------|
| 717                | (101) RS-4 |        | 21                        | 15        |
| CONTRACT NO. 72L13 |            |        | ILLINOIS FED. AID PROJECT |           |



| PAVEMENT MARKING LEGEND |  |
|-------------------------|--|
| (A)                     | PAINT PAVEMENT MARKING, LINE - 5" YELLOW (SOLID OR SKIP DASH)        |
| (B)                     | PAINT PAVEMENT MARKING, LINE - 5" WHITE (SOLID)                      |
| (C)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24", WHITE (SOLID) |
| (D)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS     |



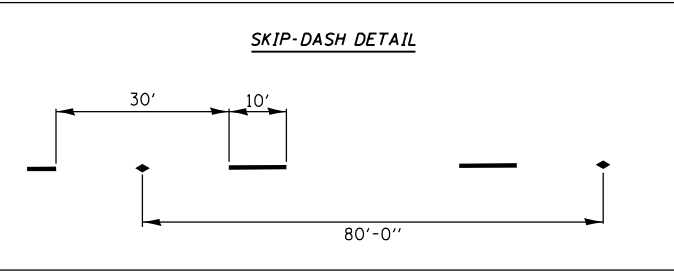
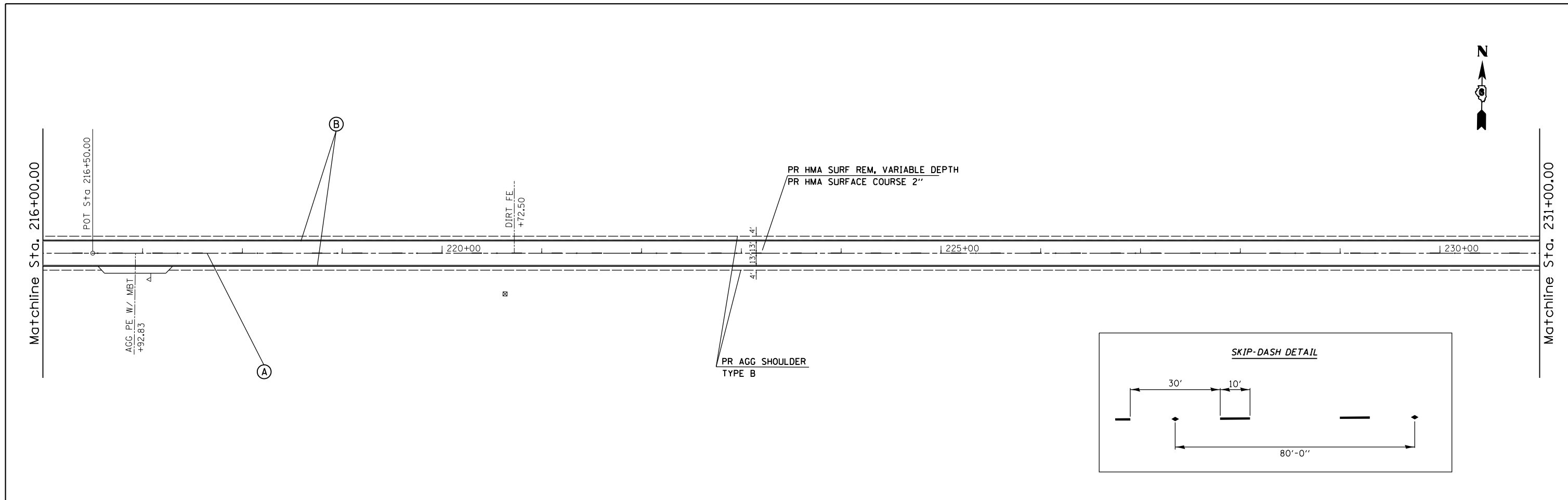
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

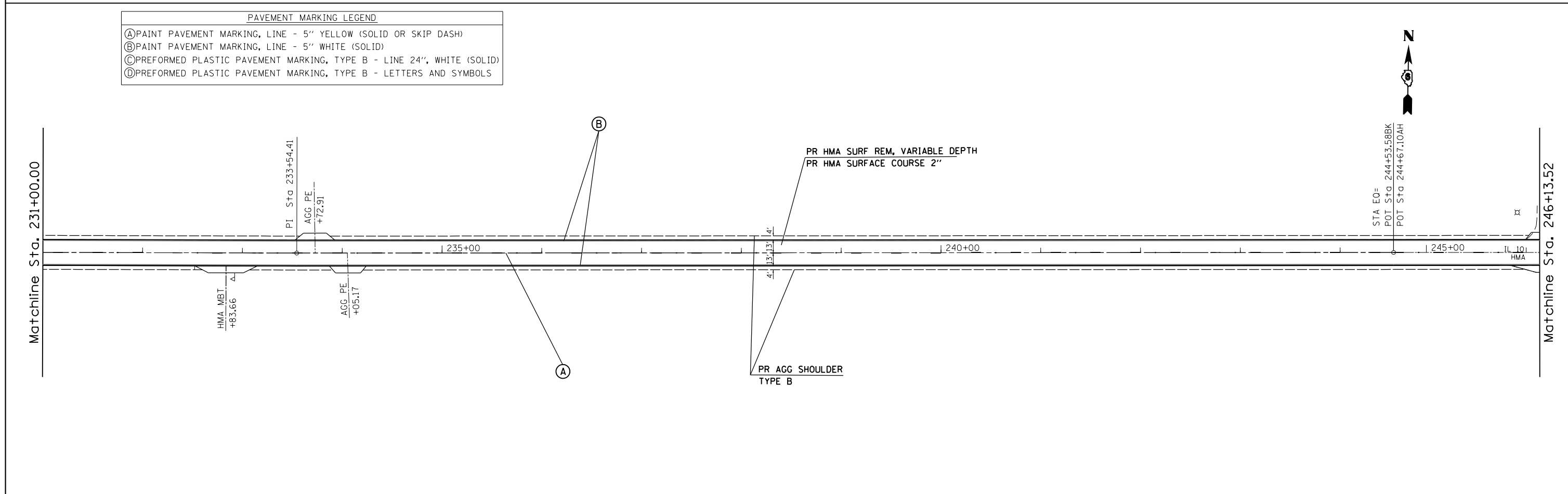
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| <b>FAP 717 (IL 10)</b> |       |           |              |
| SCALE:                 | SHEET | OF SHEETS | STA. TO STA. |

|                           |            |        |                    |           |
|---------------------------|------------|--------|--------------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
| 717                       | (101) RS-4 |        | 21                 | 16        |
| ILLINOIS FED. AID PROJECT |            |        | CONTRACT NO. 72L13 |           |





| PAVEMENT MARKING LEGEND |  |
|-------------------------|--|
| (A)                     | PAINT PAVEMENT MARKING, LINE - 5" YELLOW (SOLID OR SKIP DASH)        |
| (B)                     | PAINT PAVEMENT MARKING, LINE - 5" WHITE (SOLID)                      |
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| (D)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS     |



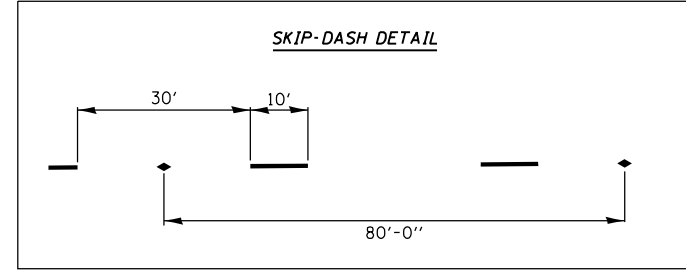
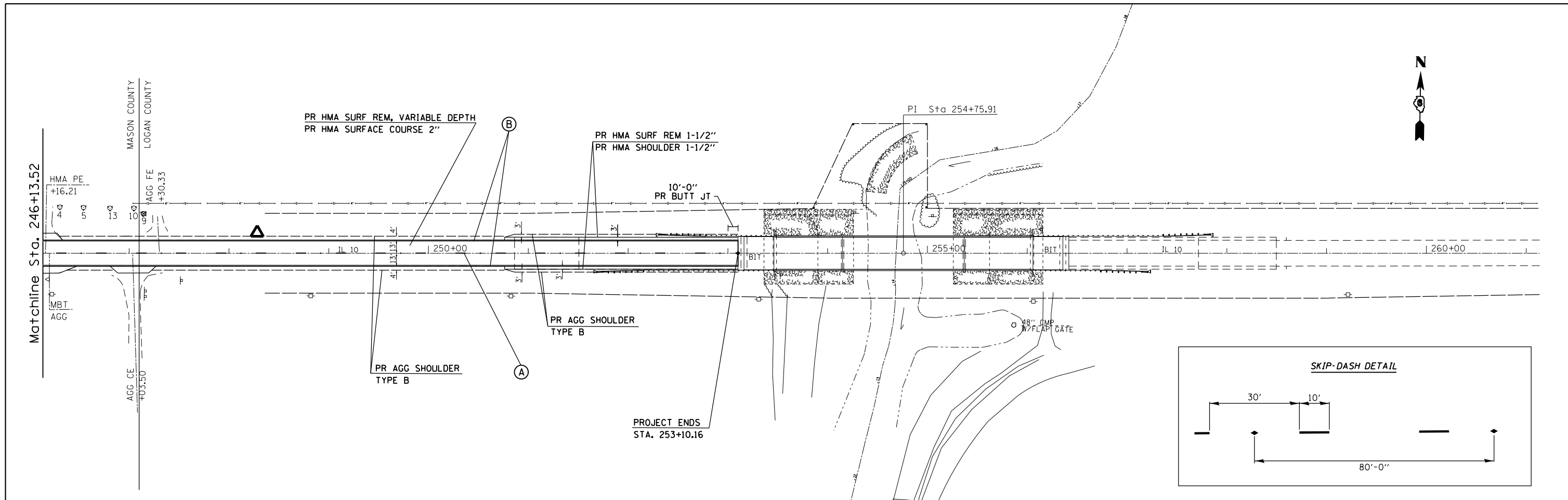
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| Default   | PLOT DATE = 3/11/2019        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS  
FAP 717 (IL 10)**

|        |       |    |        |      |    |      |
|--------|-------|----|--------|------|----|------|
| SCALE: | SHEET | OF | SHEETS | STA. | TO | STA. |
|--------|-------|----|--------|------|----|------|

| F.A.P. RTE.        | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|------------|--------|---------------------------|-----------|
| 717                | (101) RS-4 |        | 21                        | 17        |
| CONTRACT NO. 72L13 |            |        | ILLINOIS FED. AID PROJECT |           |



| PAVEMENT MARKING LEGEND |  |
|-------------------------|--|
| (A)                     | PAINT PAVEMENT MARKING, LINE - 5" YELLOW (SOLID OR SKIP DASH)        |
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| (D)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS     |

|  |                              |            |           |
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| Default  | PLOT DATE = 3/11/2019        | DATE -     | REVISED - |

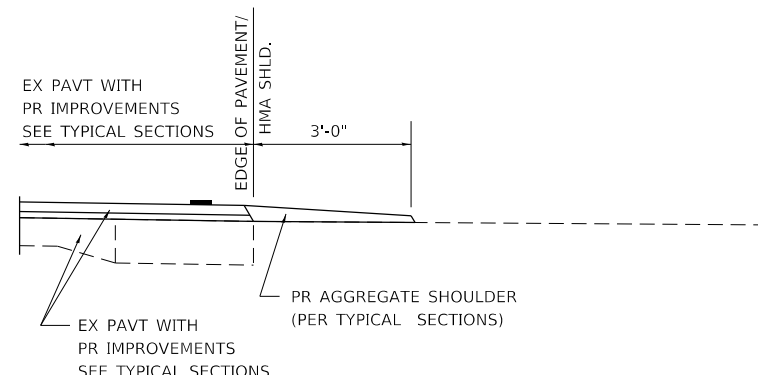
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS  
FAP 717 (IL 10)**

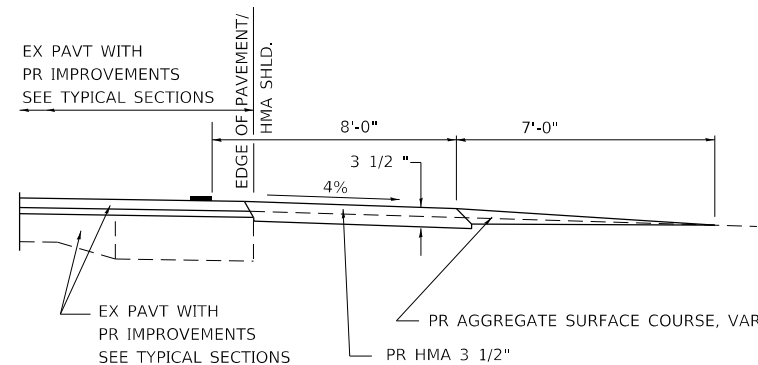
SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---------------------------|------------|--------|--------------------|-----------|
| 717                       | (101) RS-4 |        | 21                 | 18        |
| ILLINOIS FED. AID PROJECT |            |        | CONTRACT NO. 72L13 |           |

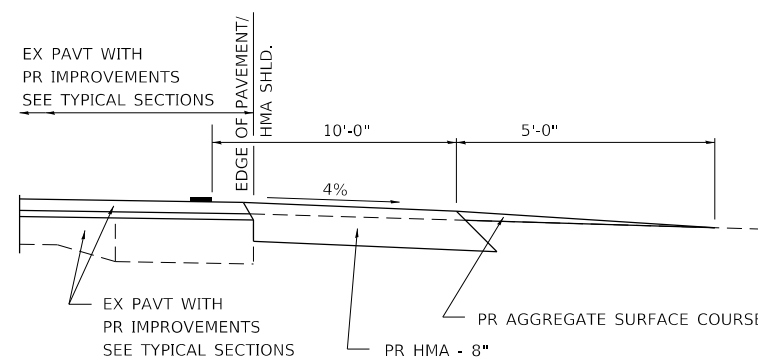
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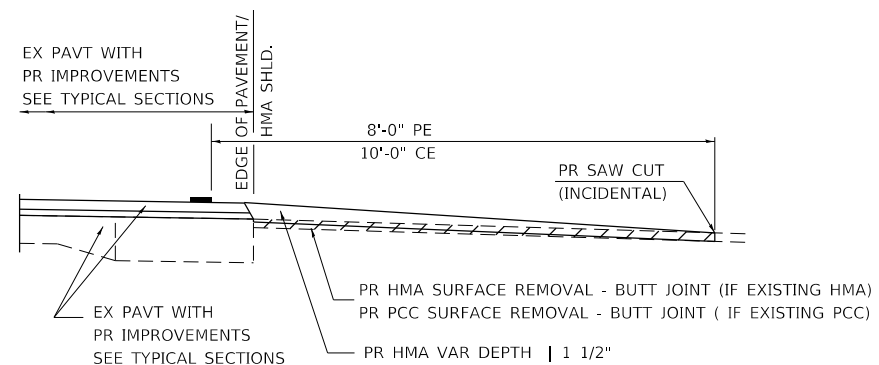
**SECTION A-A FOR EX EARTH/AGGREGATE FE**



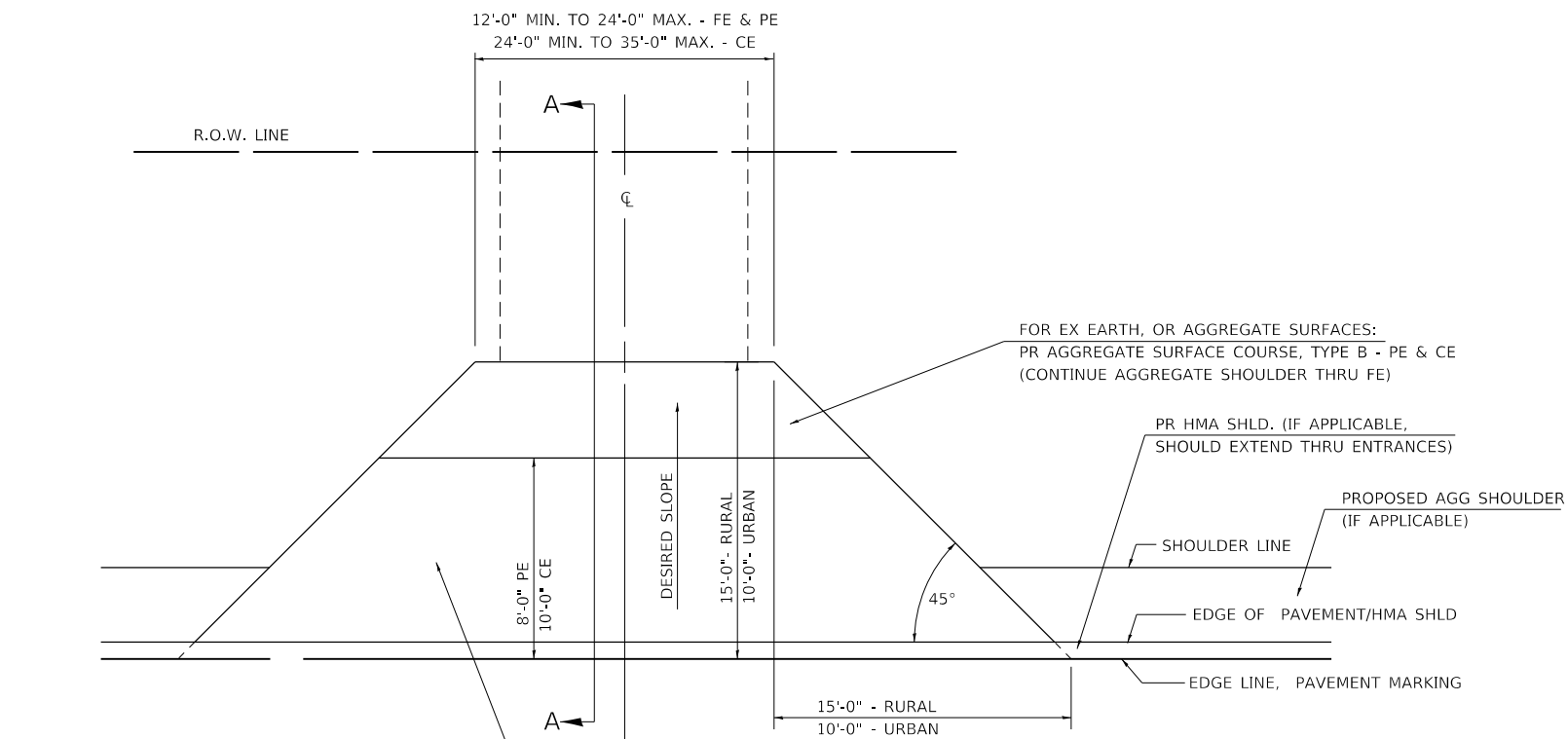
**SECTION A-A FOR EX EARTH/AGGREGATE PE**



**SECTION A-A FOR EX EARTH/AGGREGATE CE & SIDE ROAD**



**SECTION A-A FOR EX HMA/PC CONCRETE PE, CE & SIDE ROAD**



FOR EX EARTH, OR AGGREGATE SURFACES:  
PR AGGREGATE SURFACE COURSE, TYPE B - PE & CE  
(CONTINUE AGGREGATE SHOULDER THRU FE)

PR HMA SHLD. (IF APPLICABLE,  
SHOULD EXTEND THRU ENTRANCES)

PROPOSED AGG SHOULDER  
(IF APPLICABLE)

SHOULDER LINE

EDGE OF PAVEMENT/HMA SHLD

EDGE LINE, PAVEMENT MARKING

FOR EX EARTH OR AGGREGATE SURFACES:  
PR HMA SURFACE REMOVAL (IF APPLICABLE)  
PR AGGREGATE SHOULDER THRU - FE  
PR HMA CONCRETE 3 1/2" - PE  
PR HMA CONCRETE 8" - CE

FOR EX HMA CONCRETE SURFACES:  
PR HMA SURFACE REMOVAL-BUTT JOINT

FOR EX PCC SURFACES:  
PR PCC SURFACE REMOVAL-BUTT JOINT

**GENERAL NOTES:**

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

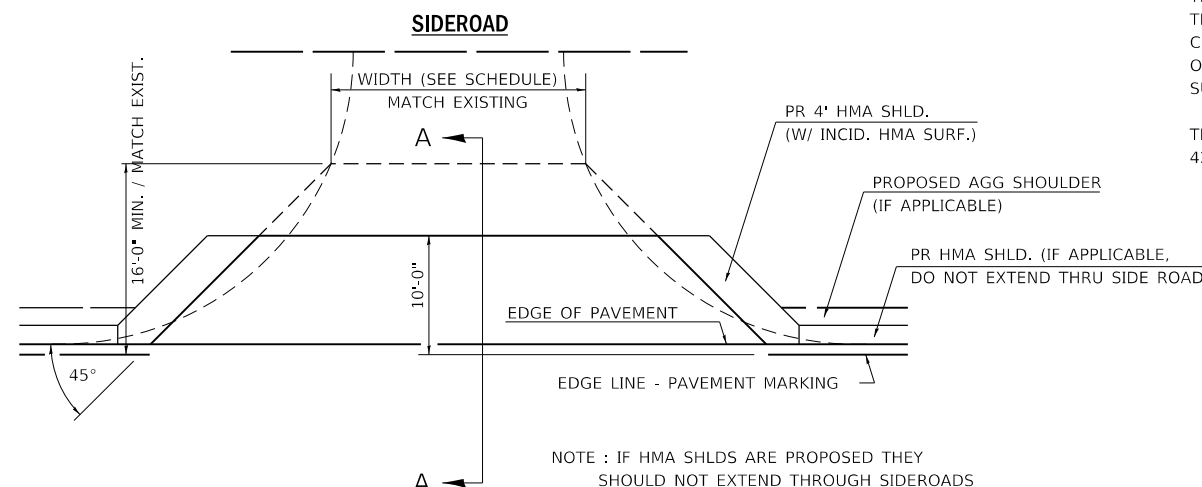
ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

HMA CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE HMA CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 3 INCHES AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF HMA BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 2 INCHES SHALL MEET THE REQUIREMENTS OF HMA CONCRETE SURFACE COURSE, SUPERPAVE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.



NOTE: IF HMA SHLDS ARE PROPOSED THEY SHOULD NOT EXTEND THROUGH SIDEROADS

|                              |                          |          |             |     |
|------------------------------|--------------------------|----------|-------------|-----|
| USER NAME = shimkusft        | DESIGNED -               | REVISD - | 2 / 19 / 03 | JCN |
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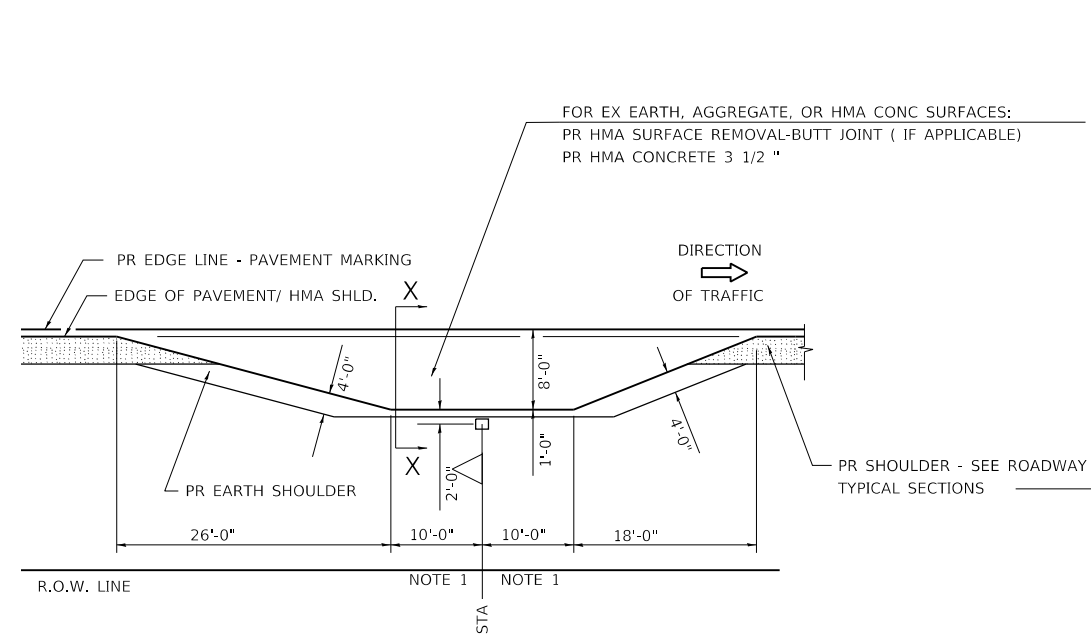
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DIST.6 DETAILS FOR RURAL/URBAN ENT., MAILBOX  
TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)**

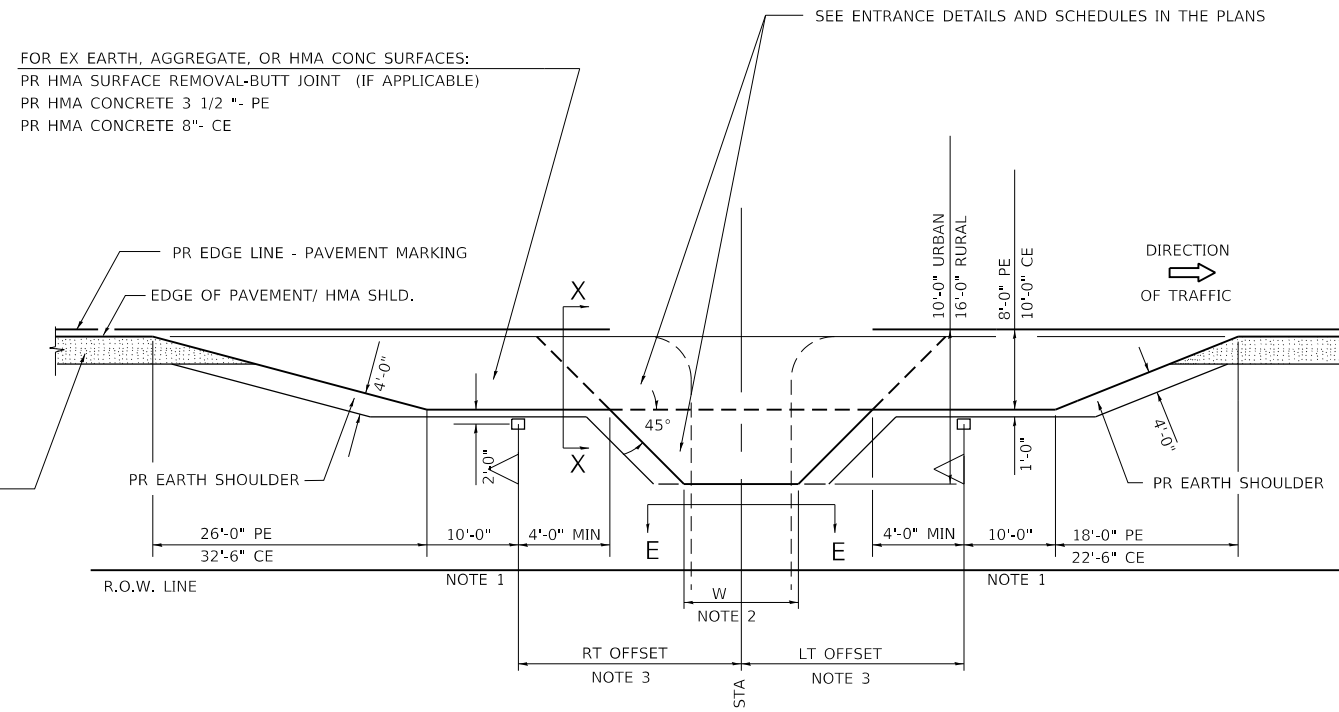
SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|--------|--------------|-----------|
| 717                       | (101) RS-4 | *      | 21           | 19        |
| CONTRACT NO. 72L13        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |

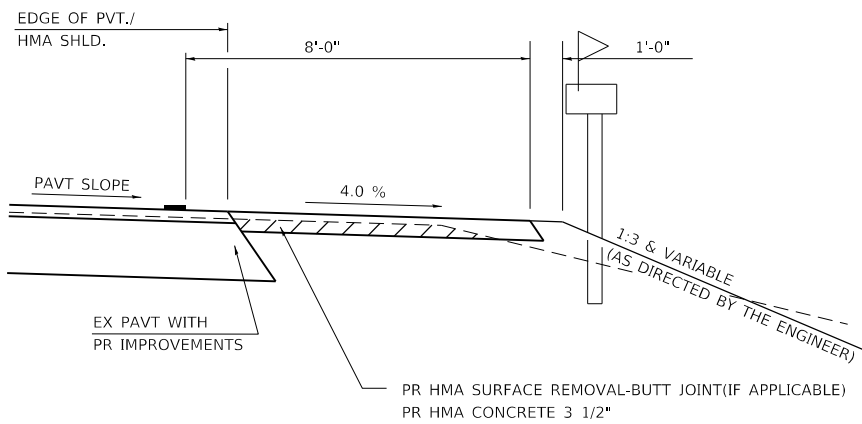
# DETAILS OF MAILBOX TURNOUTS



PLAN - MAILBOX TURNOUTS

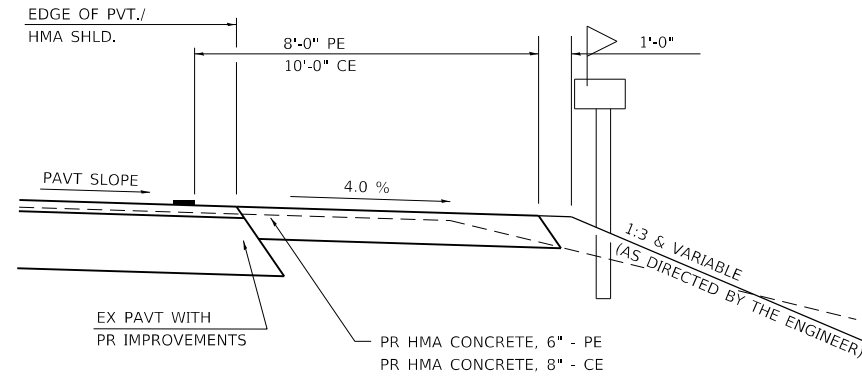


PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



SECTION X-X THRU MAILBOX TURNOUT  
 ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH  
 EX EARTH, AGGREGATE, OR HMA PE & FE

( DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.  
 IF EXISTING, TREAT SAME AS ENTRANCE. )



SECTION X-X THRU MAILBOX TURNOUT  
 COMBINED WITH EX HMA CONC & PC CONC PE & CE

( DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.  
 IF EXISTING, TREAT SAME AS ENTRANCE. )

- NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT, DIMENSION FROM CENTER OF END MAILBOX.
- NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.
- NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

ALL DIMENSIONS ARE IN INCHES  
 UNLESS OTHERWISE SHOWN.

MODEL: Default  
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 PROJECT: 72L13  
 SHEET: 20  
 DATE: 3/13/2019

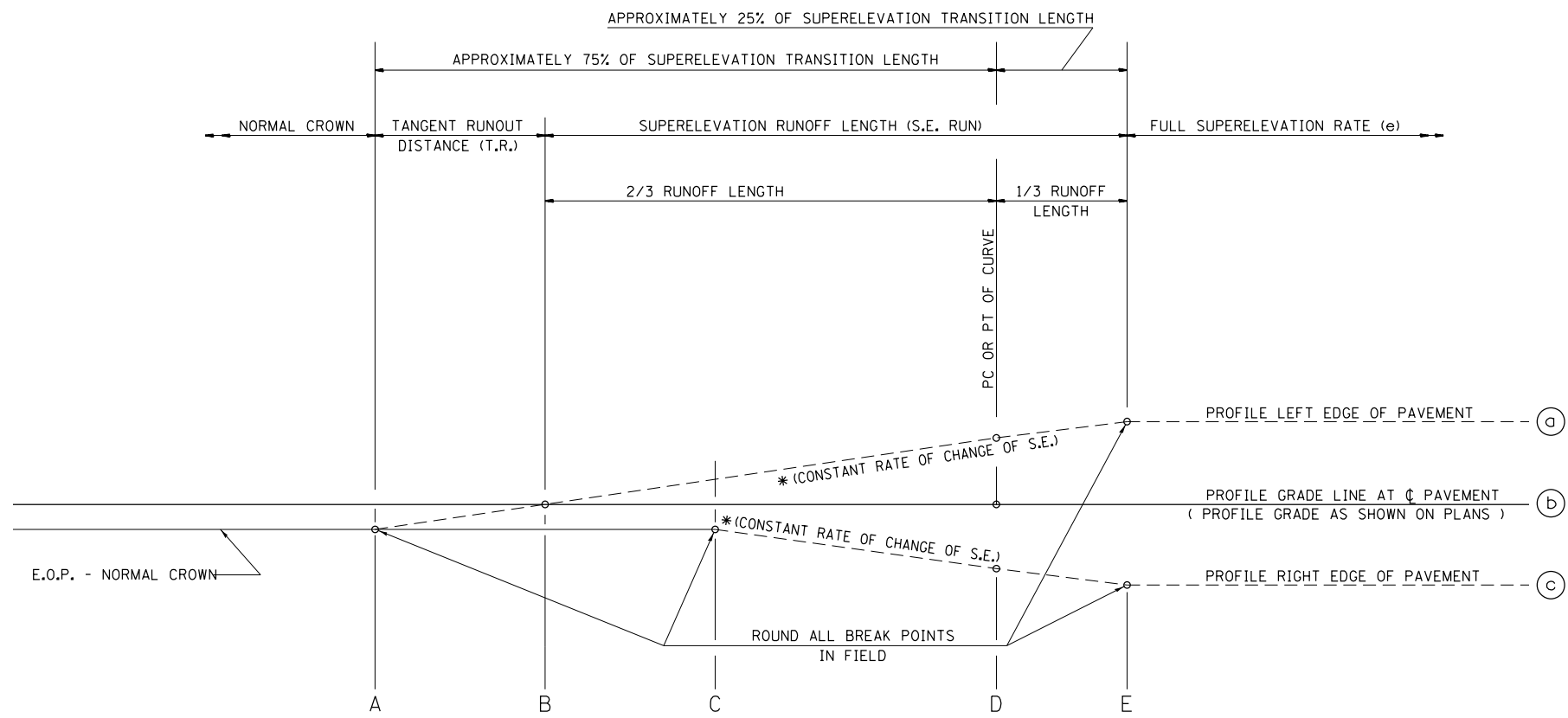
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| PLOT SCALE = 40,0000 ' / in. | CHECKED - JCN            | REVISED -             |
| PLOT DATE = 3/13/2019        | DATE - FEBRUARY 23, 1999 | REVISED -             |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DIST. 6 DETAILS FOR RURAL/URBAN ENT., MAILBOX  
 TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)

SCALE: SHEET OF SHEETS STA. TO STA.

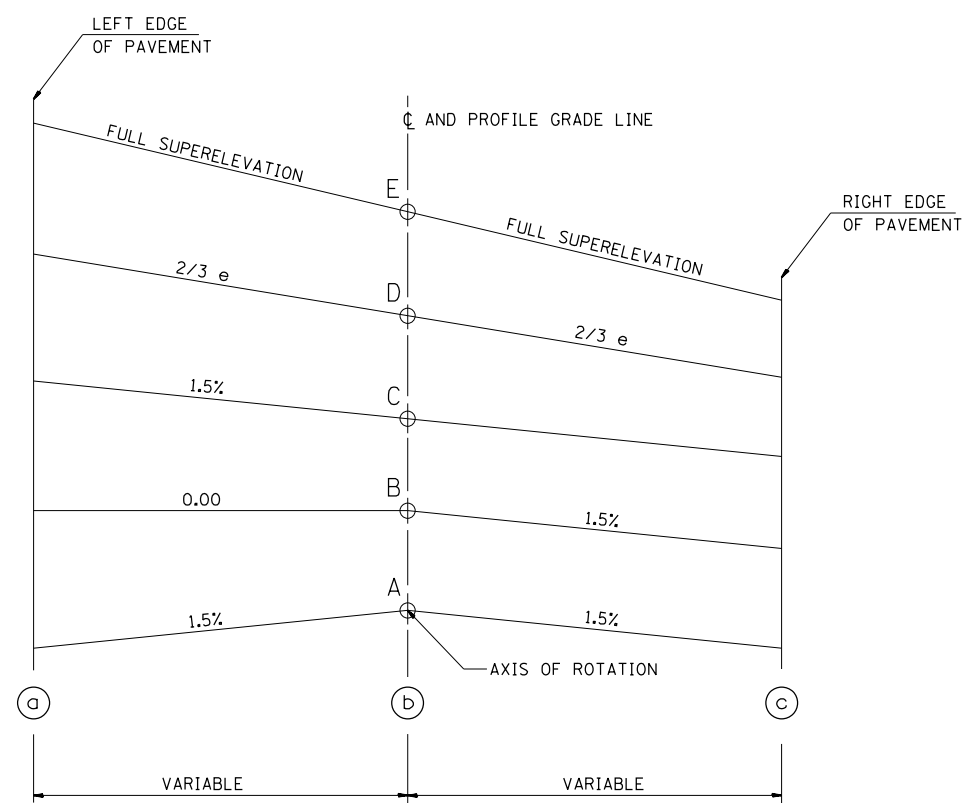
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|--------|--------------|-----------|
| 717                       | (101) RS-4 |        | 21           | 20        |
| CONTRACT NO. 72L13        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |



SEE PLANS FOR CURVE DATA INFORMATION

CURVE DATA  
P.I. STA=  
 $\Delta$ =  
R=  
T=  
L=  
E=  
e= SUPERELEVATION RATE IN PERCENT  
T.R.= TANGENT RUNOUT DISTANCE  
S.E. RUN= SUPERELEVATION RUNOFF LENGTH  
P.C. STA=  
P.T. STA=

TYPICAL PROFILE - S.E. TRANSITION



TYPICAL CROSS SECTION - S.E. TRANSITION

| TABLE OF SUPERELEVATION BREAK POINT LOCATION |       |                |                |                |                |                |            |
|--|-------|----------------|----------------|----------------|----------------|----------------|------------|
| CURVE NO.                                    | e     | A              | B              | C              | D              | E              | TRANSITION |
| 1  | 3.20% | STA. 5+03.77   | STA. 5+37.17   | STA. 5+70.57   | STA. 5+84.57   | STA. 6+08.27   | TRANS. IN  |
|  |       | STA. 12+57.07  | STA. 12+23.67  | STA. 11+90.27  | STA. 11+76.27  | STA. 11+52.57  | TRANS. OUT |
| 3  | 5.80% | STA. 13+15.38  | STA. 13+51.38  | STA. 13+87.38  | STA. 14+44.18  | STA. 14+90.58  | TRANS. IN  |
|  |       | STA. 25+49.78  | STA. 25+13.78  | STA. 24+77.78  | STA. 24+20.98  | STA. 23+74.58  | TRANS. OUT |
| 4  | 6.00% | STA. 43+63.08  | STA. 44+03.08  | STA. 44+43.08  | STA. 45+09.68  | STA. 45+62.98  | TRANS. IN  |
|  |       | STA. 56+03.42  | STA. 55+63.42  | STA. 55+23.42  | STA. 54+56.82  | STA. 54+03.52  | TRANS. OUT |
| 5  | 2.80% | STA. 98+65.19  | STA. 99+05.19  | STA. 99+45.19  | STA. 99+54.92  | STA. 99+79.79  | TRANS. IN  |
|  |       | STA. 111+14.72 | STA. 110+74.72 | STA. 110+34.72 | STA. 110+24.99 | STA. 110+00.12 | TRANS. OUT |

06-14-2019 LETTING ITEM 031

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

| F.A.P. RTE. | SECTION   | COUNTY       | TOTAL SHEETS | SHEET NO. |
|-------------|-----------|--------------|--------------|-----------|
| 717         | (101)RS-4 | MASON, LOGAN | 21           | 1         |

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3-4 SUMMARY OF QUANTITIES
- 5-7 SCHEDULES OF QUANTITIES
- 8 TYPICAL SECTIONS
- 9 TIES AND BENCHMARKS
- 10-18 PLAN SHEETS
- 19-21 DETAIL SHEETS

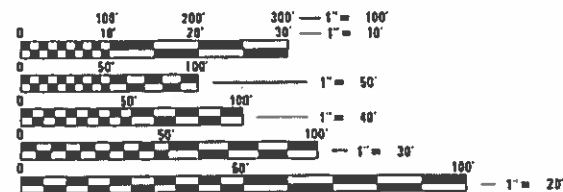
# PROPOSED HIGHWAY PLANS

FAP 717 (IL 10)  
SECTION (101)RS-4  
PROJECT STP-6KE8(930)  
3P RESURFACING  
MASON AND LOGAN COUNTY

C-96-049-19

**HIGHWAY CLASSIFICATION**

F.A.P. ROUTE 717 (IL 10)  
 CLASSIFICATION: MINOR ARTERIAL (IL 10)  
 ADT: 1575(2017) (IL 10)  
 DESIGN SPEED: 60 MPH & 50 MPH  
 POSTED SPEED: 55 MPH & 45 MPH  
 PV = 85.2% (IL 10)  
 SU = 9.5% (IL 10)  
 MU = 5.3% (IL 10)

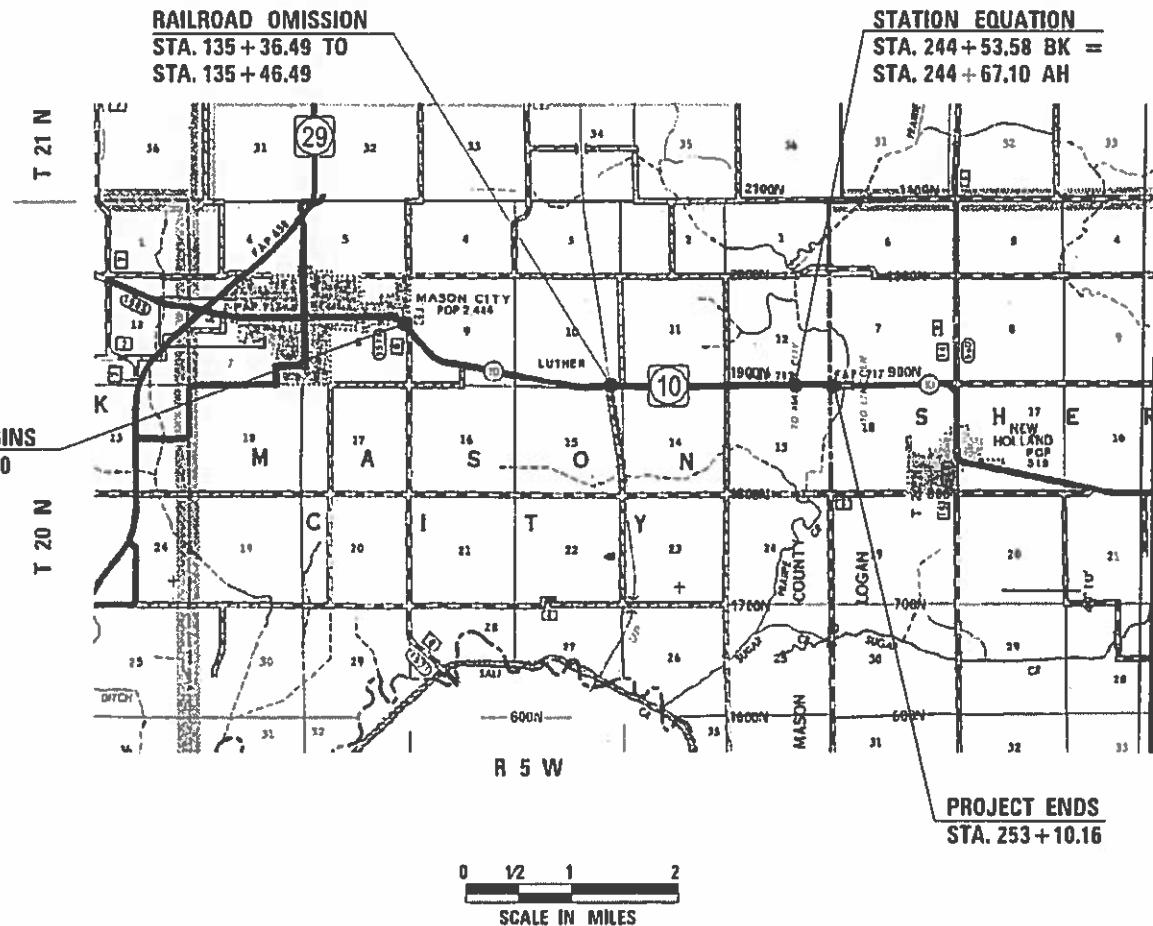


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JAY EDWARDS (217) 785-0597  
 PROJECT MANAGER: FRANK SHIMKUS (217) 785-9102

CONTRACT NO. 72L13



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED 12 March 2019

*Jeffrey Smith*  
 REGIONAL ENGINEER

May 10 2019  
*CA ETV*  
 ENGINEER OF DESIGN AND ENVIRONMENT

May 10 2019  
*Paul E. Chis*  
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
 OF THE STATE OF ILLINOIS

**GENERAL NOTES**

- IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- ACCESS TO ALL ENTRANCES AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES.
- THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE 1 1/2 " UNLESS OTHERWISE SPECIFIED IN A DETAIL SHOWN IN THE PLANS.
- UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT. EDGE LINES SHALL BE APPROXIMATELY 2" FROM THE EDGE LINE OF PAVEMENT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
- NO PASSING ZONES TO BE FIELD VERIFIED BY THE BUREAU OF OPERATIONS. THE RESIDENT ENGINEER SHALL NOTIFY THE BUREAU OF OPERATIONS AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PERMANENT PAVEMENT MARKING. (PH: 217-782-7314)
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:  

|  |   |
|--|---|
| SEEDING FERTILIZER RATIO (NIT:POS:POT) | 90:90:90 LBS./AC.                                       |
| BITUMINOUS MATERIALS (TACK COAT)       | 0.05 LB/SO. FT. (ON PAVEMENT: MILLED HMA)               |
| BITUMINOUS MATERIALS (TACK COAT)       | 0.025 LB/SO. FT. (ON PAVEMENT: HMA LIFTS)               |
| BITUMINOUS MATERIALS (PRIME COAT)      | 0.25 LB/SO. FT. ± 0.01                                  |
| BITUMINOUS CONCRETE SURFACE / BINDER   | 0.056 TON/CU. YD. PER 1"                                |
| AGGREGATE MATERIAL                     | 2.05 TON/CU. YD.  |
| RIPRAP                                 | 1.75 TON/SO. YD.  |
| AGRICULTURAL GROUND LIMESTONE          | 2 TONS/ACRE MULTIPLIED BY THE SOURCE CORRECTION FACTOR. |
- THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.
- NOTE THAT AGGREGATE SHOULDER AROUND MAILBOX TURNOUTS HAVE BEEN ADDED TO THE DISTRICT ENTRANCE DETAIL. NOTE THAT THE ADDITIONAL AGGREGATE WORK ON THE DETAIL ONLY PERTAINS TO THE MAILBOX TURNOUTS AND NOT THE SIDE ROADS.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS, MONUMENTS, AND PERMANENT SURVEY MARKERS UNTIL THE OWNER AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- NO COMMITMENTS MADE.

**STANDARDS**

- 000001-07 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 442201-03 CLASS C AND D PATCHES
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
- 701901-08 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

| MIXTURE USE(S):                             | HMA SURFACE COURSE | PATCHING    | INCIDENTAL HMA SURFACE/ SHOULDERS |
|---|--------------------|-------------|-----------------------------------|
| PG:   | PG 58-28           | PG 58-28    | PG 58-28                          |
| DESIGN AIR VOIDS:                           | 4.0% @ N 50        | 4.0% @ N 50 | 4.0% @ N 50                       |
| MIXTURE COMPOSITION:<br>(GRADATION MIXTURE) | IL 9.5             | IL 19.0     | IL 9.5                            |
| FRICTION AGGREGATE:                         | MIX "C"            | N/A         | MIX "C"                           |
| QUALITY MANAGEMENT                          | OCP                | QC/OA       | QC/OA                             |
| SUBLOT SIZE                                 | 1000 TON           | N/A         | N/A                               |

|                                 |              |
|---------------------------------|--------------|
| <b>DISTRICT SIX</b>             |              |
| EXAMINED <u>19 February</u>     | 20 <u>19</u> |
| <i>[Signature]</i>              |              |
| OPERATIONS ENGINEER             |              |
| EXAMINED <u>12 March</u>        | 20 <u>19</u> |
| <i>[Signature]</i>              |              |
| PROJECT IMPLEMENTATION ENGINEER |              |
| EXAMINED <u>February 27</u>     | 20 <u>19</u> |
| <i>[Signature]</i>              |              |
| PROGRAM DEVELOPMENT ENGINEER    |              |

REV. - MS

CONSTRUCTION CODE

80% / 20% STP  
PPS# 6-01400-0000

| CODE NO. | ITEM   | UNIT   | TOTAL QUANTITY | ROADWAY    |            |
|----------|--|--------|----------------|------------|------------|
|          |  |        |                | 0005 MASON | 0005 LOGAN |
|          |  |        |                |            |            |
| 35800100 | PREPARATION OF BASE                          | SQ YD  | 383            | 353        | 30         |
| 40600275 | BITUMINOUS MATERIALS (PRIME COAT)            | POUND  | 861            | 794        | 67         |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT)             | POUND  | 30040          | 29190      | 850        |
| 40600400 | MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS   | TON    | 3              | 3          |            |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ YD  | 1610           | 1581       | 29         |
| 40600990 | TEMPORARY RAMP                               | SQ YD  | 78             | 58         | 20         |
| 40603310 | HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 | TON    | 7292           | 7098       | 194        |
| 40800050 | INCIDENTAL HOT-MIX ASPHALT SURFACING         | TON    | 262            | 249        | 13         |
| 44200192 | PAVEMENT PATCHING, TYPE II, 16 INCH          | SQ YD  | 110            | 110        |            |
| 44200196 | PAVEMENT PATCHING, TYPE III, 16 INCH         | SQ YD  | 50             | 50         |            |
| 44200198 | PAVEMENT PATCHING, TYPE IV, 16 INCH          | SQ YD  | 130            | 130        |            |
| 48102100 | AGGREGATE WEDGE SHOULDER, TYPE B             | TON    | 1116           | 1089       | 27         |
| 48203100 | HOT-MIX ASPHALT SHOULDERS                    | TON    | 18             |            | 18         |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A              | CAL MO | 6              | 6          |            |

|  |                       |            |           |
|--|-----------------------|------------|-----------|
| FILE NAME =  | USER NAME = shmkusft  | DESIGNED - | REVISED - |
| p:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 6\Projects\0672L3\DRAWING\CADsheets\0672L13-shr-soq.dgn |                       | CHECKED -  | REVISED - |
| Default  | PLOT DATE = 3/15/2019 | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
|-------------|------------|--------|--------------------|-----------|
| 717         | (101) RS-4 | *      | 21                 | 3         |
|             |            |        | CONTRACT NO. 72L13 |           |

ILLINOIS FED. AID PROJECT



| CONSTRUCTION CODE |         |
|-------------------|---------|
| 80% / 20% STP     |         |
| PPS# 6-01400-0000 |         |
| ROADWAY           | ROADWAY |
| 0005              | 0005    |
| MASON             | LOGAN   |

| CODE NO.   | ITEM   | UNIT  | TOTAL QUANTITY | CONSTRUCTION CODE |         |
|------------|--|-------|----------------|-------------------|---------|
|            |  |       |                | ROADWAY           | ROADWAY |
|            |  |       |                | 0005              | 0005    |
|            |  |       |                | MASON             | LOGAN   |
| 67100100   | MOBILIZATION   | L SUM | 1              | 1                 |         |
| 70100450   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701201                  | L SUM | 1              | 1                 |         |
| 70100460   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701306                  | L SUM | 1              | 1                 |         |
| 70300100   | SHORT TERM PAVEMENT MARKING                                      | FOOT  | 4540           | 4412              | 128     |
| 70300150   | SHORT TERM PAVEMENT MARKING REMOVAL                              | SQ FT | 756            | 735               | 21      |
| * 78001120 | PAINT PAVEMENT MARKING - LINE 5"                                 | FOOT  | 58084          | 56724             | 1360    |
| * 78003100 | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS | SQ FT | 122            | 122               |         |
| * 78003180 | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"            | FOOT  | 78             | 78                |         |
| * 78100100 | RAISED REFLECTIVE PAVEMENT MARKER                                | EACH  | 286            | 277               | 9       |
| 78300200   | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL                        | EACH  | 286            | 277               | 9       |
| X4401198   | HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH                  | SQ YD | 65146          | 63285             | 1861    |
| Z0033700   | LONGITUDINAL JOINT SEALANT                                       | FOOT  | 22537          | 21937             | 600     |
| Z0034105   | MATERIAL TRANSFER DEVICE   | TON   | 7292           | 7098              | 194     |
| Z0048665   | RAILROAD PROTECTIVE LIABILITY INSURANCE                          | L SUM | 1              | 1                 |         |
| Z0049799   | PROTECTING OR RESETTING SURVEY MARKERS                           | EACH  | 3              | 3                 |         |

| CONSTRUCTION CODE |         |
|-------------------|---------|
| 80% / 20% STP     |         |
| PPS# 6-01400-0000 |         |
| ROADWAY           | ROADWAY |
| 0005              | 0005    |
| MASON             | LOGAN   |

| CODE NO.   | ITEM                               | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE |         |
|------------|------------------------------------|------|----------------|-------------------|---------|
|            |                                    |      |                | ROADWAY           | ROADWAY |
|            |                                    |      |                | 0005              | 0005    |
|            |                                    |      |                | MASON             | LOGAN   |
| Ø Z0076600 | TRAINEES                           | HOUR | 1000           | 1000              |         |
| Ø Z0076604 | TRAINEES TRAINING PROGRAM GRADUATE | HOUR | 1000           | 1000              |         |

Ø 0042

\* SPECIALTY ITEM

|  |                              |            |           |
|--|------------------------------|------------|-----------|
| FILE NAME =  | USER NAME = shmkusft         | DESIGNED - | REVISED - |
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| Default  | PLOT SCALE = 100.0000' / in. | DATE -     | REVISED - |
|  | PLOT DATE = 3/13/2019        |            |           |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION   | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---------------------------|-----------|--------|--------------------|-----------|
| 717                       | (10) RS-4 | *      | 21                 | 4         |
|                           |           |        | CONTRACT NO. 72L13 |           |
| ILLINOIS FED. AID PROJECT |           |        |                    |           |

REV. - MS

| PAVEMENT SCHEDULE   |             |            |              |   |                                       |                                   |   |                              |        |         |  |
|---|-------------|------------|--------------|---|---------------------------------------|-----------------------------------|---|------------------------------|--------|---------|--|
| LOCATION STATION TO STATION FAP 717 (IL 10)                   | LENGTH (FT) | WIDTH (FT) | AREA (SQ YD) | HOT-MIX ASPHALT SURF. REM. BUTT-JOINT (SQ YD) | HMA SURF. REMOVAL, VARI DEPTH (SQ YD) | LONGITUDINAL JOINT SEALANT (FOOT) | HMA SURF. COURSE MIX "C" N50 (2") (TON) | BIT. MAT. (TACK CT.) (POUND) |        |         |  |
| IL 10   |             |            |              |   |                                       |                                   |   |                              |        |         |  |
| EASTBOUND   |             |            |              |   |                                       |                                   |   |                              |        |         |  |
| (CL)  |             |            |              |   |                                       |                                   |   |                              |        |         |  |
| STA. 27+50.00 TO STA. 27+60.00                                | 10.00       | 13         | 14.4         | 14.4  |                                       | 10.0                              | 1.6                                     | 6.5                          |        |         |  |
| STA. 27+60.00 TO STA. 135+26.49                               | 10766.49    | 13         | 15551.6      |   | 15551.6                               | 10766.5                           | 1741.8                                  | 6998.2                       |        |         |  |
| STA. 135+26.49 TO STA. 135+36.49                              | 10.00       | 13         | 14.4         | 14.4  |                                       | 10.0                              | 1.6                                     | 6.5                          |        |         |  |
| PAVEMENT OMISSION (RAILROAD) STA. 135+36.49 TO STA. 135+46.49 |             |            |              |   |                                       |                                   |   |                              |        |         |  |
| STA. 135+46.49 TO STA. 135+56.49                              | 10.00       | 13         | 14.4         | 14.4  |                                       | 10.0                              | 1.6                                     | 6.5                          |        |         |  |
| STA. 135+56.49 TO STA. 244+53.58                              | 10897.09    | 13         | 15740.2      |   | 15740.2                               | 10897.1                           | 1762.9                                  | 7083.1                       |        |         |  |
| STA. EQ 244+53.58 BK = 244+67.10 AH                           |             |            |              |   |                                       |                                   |   |                              |        |         |  |
| STA. 244+67.10 TO STA. 247+10.00                              | 242.90      | 13         | 350.9        |   | 350.9                                 | 242.9                             | 39.3                                    | 157.9                        |        |         |  |
| STA. 247+10.00 TO STA. 253+00.16                              | 590.16      | 13         | 852.5        |   | 852.5                                 | 590.2                             | 95.5                                    | 383.6                        |        |         |  |
| STA. 253+00.16 TO STA. 253+10.16                              | 10.00       | 13         | 14.4         | 14.4  |                                       | 10.0                              | 1.6                                     | 6.5                          |        |         |  |
| WESTBOUND   |             |            |              |   |                                       |                                   |   |                              |        |         |  |
| STA. 27+50.00 TO STA. 27+60.00                                | 10.00       | 13         | 14.4         | 14.4  |                                       |                                   | 1.6                                     | 6.5                          |        |         |  |
| STA. 27+60.00 TO STA. 135+24.64                               | 10764.64    | 13         | 15548.9      |   | 15548.9                               |                                   | 1741.5                                  | 6997.0                       |        |         |  |
| STA. 135+24.64 TO STA. 135+34.64                              | 10.00       | 13         | 14.4         | 14.4  |                                       |                                   | 1.6                                     | 6.5                          |        |         |  |
| PAVEMENT OMISSION (RAILROAD) STA. 135+36.49 TO STA. 135+46.49 |             |            |              |   |                                       |                                   |   |                              |        |         |  |
| STA. 135+44.64 TO STA. 135+54.64                              | 10.00       | 13         | 14.4         | 14.4  |                                       |                                   | 1.6                                     | 6.5                          |        |         |  |
| STA. 135+54.64 TO STA. 244+53.58                              | 10898.94    | 13         | 15742.9      |   | 15742.9                               |                                   | 1763.2                                  | 7084.3                       |        |         |  |
| STA. EQ 244+53.58 BK = 244+67.10 AH                           |             |            |              |   |                                       |                                   |   |                              |        |         |  |
| STA. 244+67.10 TO STA. 247+10.00                              | 242.90      | 13         | 350.9        |   | 350.9                                 |                                   | 39.3                                    | 157.9                        |        |         |  |
| STA. 247+10.00 TO STA. 253+00.16                              | 590.16      | 13         | 852.5        |   | 852.5                                 |                                   | 95.5                                    | 383.6                        |        |         |  |
| STA. 253+00.16 TO STA. 253+10.16                              | 10.00       | 13         | 14.4         | 14.4  |                                       |                                   | 1.6                                     | 6.5                          |        |         |  |
|   |             |            |              | IL 10 (MASON) SUB-TOTAL                       | 63372.1                               | 86.7                              | 63285.4                                 | 21936.5                      | 7097.7 | 28517.4 |  |
|   |             |            |              | IL 10 (LOGAN) SUB-TOTAL                       | 1733.8                                | 28.9                              | 1704.9                                  | 600.2                        | 194.2  | 780.2   |  |
|   |             |            |              | IL 10 TOTAL                                   | 65106                                 | 116                               | 64990                                   | 22537                        | 7292   | 29298   |  |

| AGGREGATE SHOULDERS TYPE B                  |             |            |                             |        |
|---|-------------|------------|-----------------------------|--------|
| LOCATION STATION TO STATION FAP 717 (IL 10) | LENGTH (FT) | WIDTH (FT) | AGG SHOULDER (TONS)         |        |
| WESTBOUND                                   |             |            |                             |        |
| STA. 27+50.00 TO STA. 28+18.18              | 68.18       | 4          | 1.7                         |        |
| STA. 28+86.90 TO STA. 32+94.14              | 407.24      | 4          | 10.3                        |        |
| STA. 33+14.15 TO STA. 33+95.12              | 80.97       | 4          | 2.0                         |        |
| STA. 34+32.59 TO STA. 35+84.10              | 151.51      | 4          | 3.8                         |        |
| STA. 36+22.41 TO STA. 37+03.31              | 80.90       | 4          | 2.0                         |        |
| STA. 37+57.62 TO STA. 38+85.09              | 127.47      | 4          | 3.2                         |        |
| STA. 39+48.81 TO STA. 89+22.38              | 4973.57     | 4          | 125.4                       |        |
| STA. 89+61.23 TO STA. 111+98.73             | 2237.50     | 4          | 56.4                        |        |
| STA. 112+50.95 TO STA. 120+23.46            | 772.51      | 4          | 19.5                        |        |
| STA. 120+72.03 TO STA. 128+32.23            | 760.20      | 4          | 19.2                        |        |
| STA. 128+61.46 TO STA. 132+51.61            | 390.15      | 4          | 9.8                         |        |
| STA. 133+12.24 TO STA. 134+36.65            | 124.41      | 4          | 3.1                         |        |
| STA. 134+97.38 TO STA. 135+33.29            | 35.91       | 4          | 0.9                         |        |
| STA. 135+43.39 TO STA. 136+22.16            | 78.77       | 4          | 2.0                         |        |
| STA. 136+49.83 TO STA. 137+17.89            | 68.06       | 5          | 2.1                         |        |
| STA. 137+64.30 TO STA. 141+06.98            | 342.68      | 4          | 8.6                         |        |
| STA. 141+60.51 TO STA. 176+07.64            | 3447.13     | 4          | 86.9                        |        |
| STA. 176+46.43 TO STA. 193+89.28            | 1742.85     | 4          | 43.9                        |        |
| STA. 194+42.49 TO STA. 233+57.50            | 3915.01     | 4          | 98.7                        |        |
| STA. 233+87.79 TO STA. 244+53.58            | 1065.79     | 4          | 26.9                        |        |
| STA. EQ 244+53.58 BK = 244+67.10 AH         |             |            |                             |        |
| STA. 244+67.10 TO STA. 246+02.69            | 135.59      | 4          | 3.4                         |        |
| STA. 246+30.32 TO STA. 247+10.00            | 79.68       | 4          | 2.0                         |        |
| STA. 247+10.00 TO STA. 250+76.19            | 366.19      | 4          | 9.2                         |        |
| STA. 250+76.19 TO STA. 253+10.16            | 233.97      | 3          | 4.4                         |        |
| EASTBOUND                                   |             |            |                             |        |
| STA. 27+50.00 TO STA. 28+56.33              | 106.33      | 4          | 2.7                         |        |
| STA. 29+64.94 TO STA. 34+02.70              | 437.76      | 4          | 11.0                        |        |
| STA. 34+36.25 TO STA. 36+08.89              | 172.64      | 4          | 4.4                         |        |
| STA. 36+45.88 TO STA. 37+20.15              | 74.27       | 4          | 1.9                         |        |
| STA. 37+70.87 TO STA. 38+67.55              | 96.68       | 4          | 2.4                         |        |
| STA. 39+21.41 TO STA. 46+17.15              | 695.74      | 4          | 17.5                        |        |
| STA. 46+51.93 TO STA. 48+49.36              | 197.43      | 4          | 5.0                         |        |
| STA. 49+02.30 TO STA. 61+62.24              | 1259.94     | 4          | 31.8                        |        |
| STA. 62+09.97 TO STA. 89+32.56              | 2722.59     | 4          | 68.6                        |        |
| STA. 89+70.55 TO STA. 121+47.22             | 3176.67     | 4          | 80.1                        |        |
| STA. 121+72.50 TO STA. 134+42.10            | 1269.60     | 4          | 32.0                        |        |
| STA. 135+03.58 TO STA. 135+38.14            | 34.56       | 4          | 0.9                         |        |
| STA. 135+48.24 TO STA. 176+08.21            | 4059.97     | 5          | 127.9                       |        |
| STA. 176+44.93 TO STA. 194+16.80            | 1771.87     | 4          | 44.7                        |        |
| STA. 194+70.64 TO STA. 216+58.95            | 2188.31     | 4          | 55.2                        |        |
| STA. 217+26.25 TO STA. 232+60.03            | 1533.78     | 4          | 38.7                        |        |
| STA. 233+07.01 TO STA. 233+90.62            | 83.61       | 4          | 2.1                         |        |
| STA. 234+20.78 TO STA. 244+53.58            | 1032.80     | 4          | 26.0                        |        |
| STA. EQ 244+53.58 BK = 244+67.10 AH         |             |            |                             |        |
| STA. 244+67.10 TO STA. 245+98.85            | 131.75      | 4          | 3.3                         |        |
| STA. 246+37.49 TO STA. 246+85.37            | 47.88       | 4          | 1.2                         |        |
| STA. 247+22.64 TO STA. 250+76.19            | 353.55      | 4          | 8.9                         |        |
| STA. 250+76.19 TO STA. 253+10.16            | 233.97      | 3          | 4.4                         |        |
|   |             |            | SUB TOTAL MASON             | 1089.3 |
|   |             |            | SUB TOTAL LOGAN             | 27.0   |
|   |             |            | AGG SHOULDER TYPE B - TOTAL | 1116.3 |

(USED AVE DEPTH 1.0")

| SIDE ROAD PAVEMENT SCHEDULE                 |             |               |              |                                      |                                      |                              |       |  |  |  |
|---|-------------|---------------|--------------|--------------------------------------|--------------------------------------|------------------------------|-------|--|--|--|
| LOCATION STATION TO STATION FAP 717 (IL 10) | LENGTH (FT) | WIDTH (FT)    | AREA (SQ YD) | HMA SURF. REMOVAL BUTT-JOINT (SQ YD) | INCIDENTAL HOT-MIX ASPH. SURF. (TON) | BIT. MAT. (TACK CT.) (POUND) |       |  |  |  |
| SIDE ROAD                                   |             |               |              |                                      |                                      |                              |       |  |  |  |
| PRICE ST.                                   |             |               |              |                                      |                                      |                              |       |  |  |  |
| STA. 10+19.41 TO STA. 10+70.21              | 50.80       | 84.7 TO 20.8  | 167.6        | 167.6                                | 16.4                                 | 75.4                         |       |  |  |  |
| PRICE AVE.                                  |             |               |              |                                      |                                      |                              |       |  |  |  |
| STA. 9+11.47 TO STA. 9+80.30                | 68.83       | 137.3 TO 22.2 | 303.0        | 303.0                                | 29.7                                 | 136.3                        |       |  |  |  |
| E Co Rd 900 N / 3650 E                      |             |               |              |                                      |                                      |                              |       |  |  |  |
| STA. 9+65.99 TO STA. 9+86.65                | 20.66       | 15.5 TO 77.4  | 76.7         | 76.7                                 | 7.5                                  | 34.5                         |       |  |  |  |
| N Co Rd 3790 E                              |             |               |              |                                      |                                      |                              |       |  |  |  |
| STA. 9+63.03 TO STA. 9+86.88                | 23.85       | 20.4 TO 90.5  | 111.6        | 111.6                                | 10.9                                 | 50.2                         |       |  |  |  |
| N Co Rd 3800 E                              |             |               |              |                                      |                                      |                              |       |  |  |  |
| STA. 10+13.00 TO STA. 10+35.41              | 22.41       | 65.6 TO 18.0  | 88.6         | 88.6                                 | 8.7                                  | 39.9                         |       |  |  |  |
| N Co Rd 3900 E (S026)                       |             |               |              |                                      |                                      |                              |       |  |  |  |
| STA. 10+13.00 TO STA. 10+41.02              | 28.02       | 66.0 TO 18.0  | 99.7         | 99.7                                 | 9.8                                  | 44.8                         |       |  |  |  |
| N Co Rd 3900 E (S027)                       |             |               |              |                                      |                                      |                              |       |  |  |  |
| STA. 9+66.06 TO STA. 9+87.00                | 20.94       | 69.0 TO 20.0  | 83.5         | 83.5                                 | 8.2                                  | 37.6                         |       |  |  |  |
|   |             |               |              | SIDE ROAD (MASON) TOTAL              | 930.7                                | 91.2                         | 418.8 |  |  |  |

| TEMPORARY RAMPS                        |             |            |                        |      |
|--|-------------|------------|------------------------|------|
| LOCATION STATION BEGIN FAP 717 (IL 10) | LENGTH (FT) | WIDTH (FT) | TEMPORARY RAMP (SQ YD) |      |
| 27+50.00                               | 6.7         | 26.00      | 19.4                   |      |
| 135+35.72                              | 6.7         | 26.00      | 19.4                   |      |
| 135+45.82                              | 6.7         | 26.00      | 19.4                   |      |
| STA. EQ 244+53.58 BK = 244+67.10 AH    |             |            |                        |      |
| 253+10.16                              | 6.7         | 26.00      | 19.4                   |      |
|  |             |            | MASON - TOTAL          | 58.1 |
|  |             |            | LOGAN - TOTAL          | 19.4 |
|  |             |            | TEMPORARY RAMP - TOTAL | 77.4 |

| HOT-MIX ASPHALT SHOULDER SCHEDULE           |             |            |              |                                   |                                     |  |      |
|---|-------------|------------|--------------|-----------------------------------|-------------------------------------|--|------|
| LOCATION STATION TO STATION FAP 717 (IL 10) | LENGTH (FT) | WIDTH (FT) | AREA (SQ YD) | HMA SURF. REM. VARI DEPTH (SQ YD) | HOT-MIX ASPHALT SHOULDERS, 2" (TON) | BITUMINOUS MATERIALS (TACK COAT) (POUND) |      |
| WESTBOUND                                   |             |            |              |                                   |                                     |  |      |
| STA. 250+76.19 TO STA. 253+10.16            | 233.97      | 3.0        | 78.0         | 78.0                              | 8.7                                 | 35.10                                    |      |
| EASTBOUND                                   |             |            |              |                                   |                                     |  |      |
| STA. 250+76.19 TO STA. 253+10.16            | 233.97      | 3.0        | 78.0         | 78.0                              | 8.7                                 | 35.10                                    |      |
|   |             |            |              | LOGAN TOTAL                       | 156.0                               | 17.5                                     | 70.2 |

| ENTRANCE SCHEDULE                    |             |     |                         |                        |                                     |              |                   |                       |  |                                      |                             |                              |
|--------------------------------------|-------------|-----|-------------------------|------------------------|-------------------------------------|--------------|-------------------|-----------------------|--|--------------------------------------|-----------------------------|------------------------------|
| LOCATION                             |             |     | WIDTH ACROSS FRONT (FT) | WIDTH ACROSS BACK (FT) | LENGTH OF IMPROVEMENT FROM EOP (FT) | AREA (SQ YD) | EXIST. SURF. TYPE | PREP. OF BASE (SQ YD) | HOT-MIX ASPH. SURF. REMOVAL BUTT - JT. (SQ YD) | INCIDENTAL HOT-MIX ASPH. SURF. (TON) | BIT. MAT. TACK COAT (POUND) | BIT. MAT. PRIME COAT (POUND) |
| FAP 717 (IL 10)                      |             |     |                         |                        |                                     |              |                   |                       |  |                                      |                             |                              |
| STA. 33+03.79                        | P. E.       | LT. | 28                      | 14                     | 7                                   | 16.3         | HMA/AGG           |                       | 16.3   | 1.37                                 | 7.35                        |                              |
| STA. 34+14.06                        | C. E.       | LT. | 45                      | 26                     | 10                                  | 39.4         | HMA/AGG           |                       | 39.4   | 3.31                                 | 17.75                       |                              |
| STA. 34+18.05                        | C. E.       | RT. | 42                      | 27                     | 7                                   | 26.8         | HMA/AGG           |                       | 26.8   | 2.25                                 | 12.08                       |                              |
| STA. 36+02.33                        | C. E.       | LT. | 48.6                    | 30.5                   | 7                                   | 30.8         | HMA               |                       | 30.8   | 2.58                                 | 13.84                       |                              |
| STA. 36+26.47                        | C. E.       | RT. | 45.5                    | 30.5                   | 7                                   | 29.6         | HMA               |                       | 29.6   | 2.48                                 | 13.30                       |                              |
| STA. 37+30.41                        | C. E.       | LT. | 64.7                    | 46.5                   | 7                                   | 43.2         | CONC              |                       |  |                                      |                             |                              |
| STA. 37+45.28                        | C. E.       | RT. | 61                      | 43                     | 7                                   | 40.4         | HMA               |                       | 40.4   | 3.40                                 | 18.20                       |                              |
| STA. 38+94.63                        | C. E.       | RT. | 63                      | 47                     | 7                                   | 42.8         | AGG               | 42.8                  |  | 19.2                                 |                             | 96.26                        |
| STA. 39+16.66                        | C. E.       | LT. | 74                      | 56                     | 7                                   | 50.6         | AGG               | 50.6                  |  | 22.6                                 |                             | 113.76                       |
| STA. 46+31.37                        | C. E.       | RT. | 43                      | 29                     | 7                                   | 28.0         | AGG               | 28.0                  |  | 12.5                                 |                             | 63.01                        |
| STA. 48+76.11                        | C. E.       | RT. | 63                      | 46.5                   | 7                                   | 42.6         | AGG               | 42.6                  |  | 19.1                                 |                             | 95.82                        |
| STA. 78+09.50                        | F. E.       | LT. |                         |                        |                                     |              | EARTH             |                       |  |                                      |                             |                              |
| STA. 89+50.16                        | P. E.       | RT. | 47                      | 31                     | 7                                   | 30.3         | HMA               |                       | 30.3   | 2.55                                 | 13.65                       |                              |
| STA. 101+75.09                       | F. E.       | LT. |                         |                        |                                     |              | EARTH             |                       |  |                                      |                             |                              |
| STA. 112+35.65                       | P. E. W/MBT | LT. | 66.5                    | 41.5                   | 7                                   | 42.0         | HMA/AGG           |                       | 42.0   | 3.53                                 | 18.90                       |                              |
| STA. 120+47.76                       | MBT         | LT. | 68                      | 34                     | 7                                   | 39.7         | HMA               |                       | 39.7   | 3.33                                 | 17.85                       |                              |
| STA. 121+60.09                       | P. E.       | RT. | 31                      | 21                     | 7                                   | 20.2         | HMA/AGG           |                       | 20.2   | 1.70                                 | 9.10                        |                              |
| STA. 128+46.61                       | P. E.       | LT. | 36.6                    | 23.7                   | 7                                   | 23.5         | HMA/AGG           |                       | 23.5   | 1.97                                 | 10.55                       |                              |
| STA. 132+81.69                       | P. E. W/MBT | LT. | 74.8                    | 50                     | 7                                   | 48.5         | HMA/AGG           |                       | 48.5   | 4.08                                 | 21.84                       |                              |
| STA. 134+67.51                       | P. E.       | LT. | 76.3                    | 49                     | 7                                   | 48.7         | HMA/AGG           |                       | 48.7   | 4.09                                 | 21.93                       |                              |
| STA. 136+35.76                       | P. E.       | LT. | 30.7                    | 25.4                   | 7                                   | 21.8         | AGG               | 21.8                  |  | 4.3                                  |                             | 49.09                        |
| STA. 137+40.86                       | P. E. W/MBT | LT. | 57.9                    | 37.8                   | 7                                   | 37.2         | HMA/AGG           |                       | 37.2   | 3.13                                 | 16.75                       |                              |
| STA. 152+37.78                       | F. E.       | RT. |                         |                        |                                     |              | AGG               |                       |  |                                      |                             |                              |
| STA. 167+62.72                       | F. E.       | RT. |                         |                        |                                     |              | AGG               |                       |  |                                      |                             |                              |
| STA. 176+25.29                       | MBT         | LT. | 64                      | 20                     | 7                                   | 32.7         | AGG               | 32.7                  |  | 6.4                                  |                             | 73.51                        |
| STA. 176+26.80                       | P. E.       | RT. | 49                      | 27.5                   | 7                                   | 29.8         | HMA/AGG           |                       | 29.8   | 2.50                                 | 13.39                       |                              |
| STA. 180+82.68                       | F. E.       | LT. |                         |                        |                                     |              | EARTH             |                       |  |                                      |                             |                              |
| STA. 184+25.60                       | F. E.       | RT. |                         |                        |                                     |              | EARTH             |                       |  |                                      |                             |                              |
| STA. 212+46.17                       | F. E.       | RT. |                         |                        |                                     |              | EARTH             |                       |  |                                      |                             |                              |
| STA. 212+46.17                       | F. E.       | LT. |                         |                        |                                     |              | EARTH             |                       |  |                                      |                             |                              |
| STA. 216+92.83                       | P. E. W/MBT | RT. | 75                      | 61.5                   | 7                                   | 53.1         | AGG               | 53.1                  |  | 10.40                                |                             | 119.45                       |
| STA. 220+72.50                       | F. E.       | LT. |                         |                        |                                     |              | EARTH             |                       |  |                                      |                             |                              |
| STA. 232+83.66                       | MBT         | RT. | 63                      | 35                     | 7                                   | 38.1         | HMA               |                       | 38.1   | 3.20                                 | 17.15                       |                              |
| STA. 233+72.91                       | P. E.       | LT. | 40                      | 23                     | 7                                   | 24.5         | AGG               | 24.5                  |  | 4.80                                 |                             | 55.13                        |
| STA. 234+05.17                       | P. E.       | RT. | 37                      | 25                     | 7                                   | 24.1         | AGG               | 24.1                  |  | 4.73                                 |                             | 54.26                        |
| STA EQ = 244+53.58 BK = 244+67.10 AH |             |     |                         |                        |                                     |              |                   |                       |  |                                      |                             |                              |
| STA. 246+16.21                       | P. E.       | LT. | 34                      | 22.7                   | 7                                   | 22.1         | HMA               |                       | 22.1   | 1.85                                 | 9.92                        |                              |
| STA. 246+20.13                       | MBT         | RT. | 64                      | 20                     | 7                                   | 32.7         | AGG               | 32.7                  |  | 6.40                                 |                             | 73.51                        |
| STA. 247+03.50                       | C. E.       | RT. | 46                      | 31                     | 7                                   | 29.9         | AGG               | 29.9                  |  | 13.42                                |                             | 67.38                        |
| STA. 247+30.33                       | F. E.       | LT. |                         |                        |                                     |              | AGG               |                       |  |                                      |                             |                              |
| TOTAL MASON                          |             |     |                         |                        |                                     |              |                   | 352.8                 | 563.4  | 157.8                                | 253.6                       | 793.8                        |
| TOTAL LOGAN                          |             |     |                         |                        |                                     |              |                   | 29.9                  | 0.0  | 13.4                                 | 0.0                         | 67.4                         |
| TOTAL                                |             |     |                         |                        |                                     |              |                   | 382.7                 | 563.4  | 171.2                                | 253.6                       | 861.2                        |

| PROTECTING AND RESETTING SURVEY MARKERS SCHEDULE |           |          |             |             |      |          |       |  |  |
|--|-----------|----------|-------------|-------------|------|----------|-------|--|--|
| NOTE: COORDINATES ARE NAD83/2007 adj.            |           |          |             |             |      |          |       |  |  |
| POINT#   | STATION   | OFFSET   | NORTHING    | EASTING     | TYPE | LOCATION | NOTES | DESCRIPTION                                      |  |
| *7470  | 141+27.22 | 2.60 LT  | 1284808.084 | 2443408.089 | 1    | PVT      |       | S.E. CORNER SEC10, T20N, R5W 3rd P.M. MASON CO.  |  |
| 7488   | 194+23.24 | 2.64 LT  | 1284880.199 | 2448703.621 | 1    | PVT      |       | S.W. CORNER SEC12, T20N, R5W, 3rd P.M. MASON CO. |  |
| DB1000   | 247+31.24 | 11.03 RT | 1284943.054 | 2453997.759 | 1    | PVT      |       | N.W. CORNER SEC18, T20N, R4W, 3rd P.M. LOGAN CO. |  |
|  |           |          |             | TJM         |      |          |       | 5/19/2017  |  |

\* FOUND PIPE, FOR PERPETUATE LOCATION ONLY. NO MONUMENT RECORD TO BE FILED. ORIGINAL MONUMENT RECORD TIES DESTROYED.

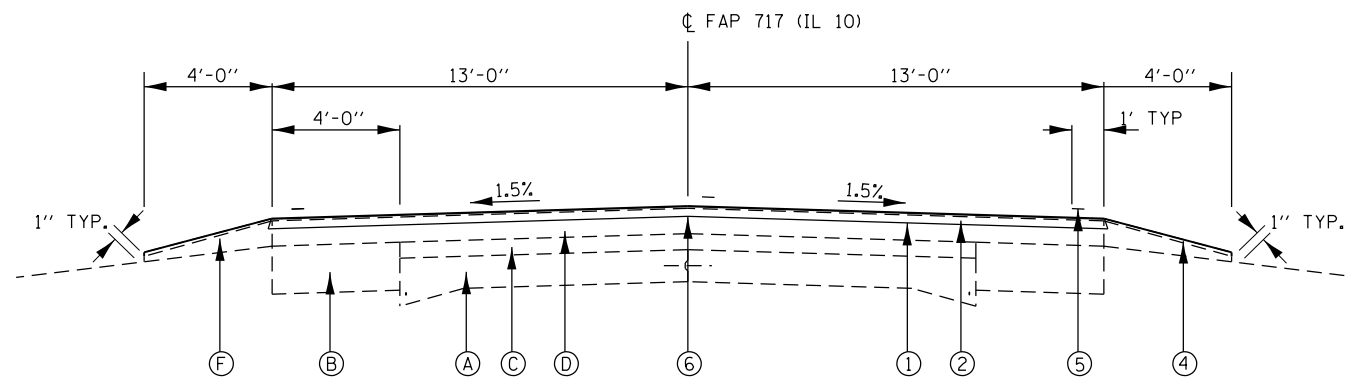
|   |                              |            |           |   |                                     |  |  |  |  |           |        |              |           |
|---|------------------------------|------------|-----------|---|-------------------------------------|--|--|--|--|-----------|--------|--------------|-----------|
| FILE NAME =   | USER NAME = shmkusft         | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SCHEDULE OF QUANTITIES</b>       |  |  |  | F.A.P. RTE.                            | SECTION   | COUNTY | TOTAL SHEETS | SHEET NO. |
| pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 6\Projects\0672L3\0672L3-CAD\Sheets\0672L3-shr-schedule.dwg | 30                           | REVISIONS  | REVISED - |   |                                     |  |  |  | 717                                    | (10) RS-4 | *      | 21           | 6         |
| Default   | PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - |   | SCALE: SHEET OF SHEETS STA. TO STA. |  |  |  | CONTRACT NO. 72L13                     |           |        |              |           |
|   | PLOT DATE = 3/11/2019        | DATE -     | REVISED - |   |                                     |  |  |  | ILLINOIS FED. AID PROJECT MASON, LOGAN |           |        |              |           |

| PAVEMENT MARKING                                  |                |                                      |                           |                    |  |   |  |
|---|----------------|--------------------------------------|---------------------------|--------------------|--|---|--|
| LOCATION<br>STATION TO STATION<br>IL10 (CHESTNUT) | LENGTH<br>(FT) | PAINT<br>PVT MARKING LINE 5"<br>(FT) |                           |                    | PREFORMED PLASTIC<br>PVT MARK, TY B LINE 24"<br>(FT) | PREFORMED PLASTIC<br>PVT MARK, LET & SMB<br>(SQ FT) |  |
|   |                | SKIP-DASH<br>YELLOW                  | SOLID (NO PASS)<br>YELLOW | EDGE LINE<br>WHITE | SOLID (STOP BAR)<br>WHITE                            | R, X<br>WHITE                                       |  |
|   |                | CL STA. 27+50.00 TO STA. 30+00.00    | 250.0                     | 70                 |  |   |  |
| CL STA. 30+00.00 TO STA. 49+00.00                 | 1,900.0        | 490                                  | 1900                      |                    |  |   |  |
| CL STA. 49+00.00 TO STA. 55+00.00                 | 600.0          |                                      | 1200                      |                    |  |   |  |
| CL STA. 55+00.00 TO STA. 65+00.00                 | 1,000.0        | 260                                  | 1000                      |                    |  |   |  |
| CL STA. 65+00.00 TO STA. 118+50.00                | 5,350.0        | 1350                                 |                           |                    |  |   |  |
| CL STA. 118+50.00 TO STA. 135+00.00               | 1,650.0        | 420                                  | 1650                      |                    |  |   |  |
| CL STA. 135+00.00 TO STA. 136+00.00               | 100.0          |                                      | 200                       |                    |  |   |  |
| CL STA. 136+00.00 TO STA. 145+50.00               | 950.0          | 250                                  | 950                       |                    |  |   |  |
| CL STA. 145+50.00 TO STA. 209+50.00               | 6,400.0        | 1610                                 |                           |                    |  |   |  |
| CL STA. 209+50.00 TO STA. 215+00.00               | 550.0          | 150                                  | 550                       |                    |  |   |  |
| CL STA. 215+00.00 TO STA. 226+50.00               | 1,150.0        | 300                                  |                           |                    |  |   |  |
| CL STA. 226+50.00 TO STA. 232+25.00               | 575.0          | 150                                  | 575                       |                    |  |   |  |
| CL STA. 232+25.00 TO STA. 244+53.58               | 1,228.6        | 320                                  |                           |                    |  |   |  |
| RT STA. 27+50.00 TO STA. 28+31.83                 | 81.8           |                                      |                           | 82                 |  |   |  |
| LT STA. 27+50.00 TO STA. 27+99.76                 | 49.8           |                                      |                           | 50                 |  |   |  |
| LT STA. 29+25.30 TO STA. 135+34.00                | 10,608.7       |                                      |                           | 10609              |  |   |  |
| LT STA. 135+44.11 TO STA. 141+01.00               | 556.9          |                                      |                           | 557                |  |   |  |
| RT STA. 29+69.63 TO STA. 61+42.25                 | 3,172.6        |                                      |                           | 3173               |  |   |  |
| RT STA. 62+20.16 TO STA. 134+34.08                | 7,213.9        |                                      |                           | 7214               |  |   |  |
| RT STA. 134+45.96 - -                             | -              |                                      |                           |                    | 13   |   |  |
| RT STA. 134+70.96                                 |                |                                      |                           |                    | 61   |   |  |
| RT STA. 134+95.96 - -                             | -              |                                      |                           |                    |  |   |  |
| RT STA. 135+05.09 TO STA. 135+37.43               | 32.3           |                                      |                           | 32                 |  |   |  |
| RT STA. 135+47.53 TO STA. 194+09.00               | 5,861.5        |                                      |                           | 5861               |  |   |  |
| RT STA. 135+20.96                                 |                |                                      |                           |                    | 13   |   |  |
| LT STA. 135+60.00                                 |                |                                      |                           |                    | 13   |   |  |
| LT STA. 135+85.00                                 |                |                                      |                           |                    | 13   |   |  |
| LT STA. 136+10.00                                 |                |                                      |                           |                    | 61   |   |  |
| LT STA. 136+35.00                                 |                |                                      |                           |                    | 13   |   |  |
| LT STA. 141+66.61 TO STA. 193+82.93               | 5,216.3        |                                      |                           | 5216               |  |   |  |
| LT STA. 194+48.94 TO STA. 244+53.58               | 5,004.6        |                                      |                           | 5005               |  |   |  |
| RT STA. 194+78.40 TO STA. 244+53.58               | 4,975.2        |                                      |                           | 4975               |  |   |  |
| STA. EQ 244+53.58 BK = 244+67.10 AH               |                |                                      |                           |                    |  |   |  |
| CL STA. 244+67.10 TO STA. 247+10.00               | 242.9          | 70                                   |                           |                    |  |   |  |
| CL STA. 247+10.00 TO STA. 253+10.16               | 600.2          | 160                                  |                           |                    |  |   |  |
| LT STA. 244+67.10 TO STA. 247+10.00               | 242.9          |                                      |                           | 243                |  |   |  |
| LT STA. 247+10.00 TO STA. 253+10.16               | 600.2          |                                      |                           | 600                |  |   |  |
| RT STA. 244+67.10 TO STA. 247+10.00               | 242.9          |                                      |                           | 243                |  |   |  |
| RT STA. 247+10.00 TO STA. 253+10.16               | 600.2          |                                      |                           | 600                |  |   |  |
| IL 10 MASON TOTAL                                 |                | 5440                                 | 8025                      | 43259              | 78   | 122   |  |
| IL 10 LOGAN TOTAL                                 |                | 160                                  | 0                         | 1200               | 0  | 0   |  |
| SUB-TOTAL   |                | 5600                                 | 8025                      | 44460              | 78   | 122   |  |
| TOTAL   |                |                                      | 58085                     |                    | 78   | 122   |  |

| RAISED REFLECTIVE PAVEMENT MARKER SCHEDULE        |             |                      |                   |                                       |                                      |  |
|---|-------------|----------------------|-------------------|---------------------------------------|--------------------------------------|--|
| LOCATION<br>STATION TO STATION<br>IL10 (CHESTNUT) | DESCRIPTION | REFLECTOR TYPE       | SPACING<br>(FEET) | RAISED REFL<br>PAVT MKR REM<br>(EACH) | RAISED REFL<br>PVT. MARKER<br>(EACH) |  |
| STA. 27+50.00 TO STA. 135+35.72                   | CL          | TWO WAY AMBER MARKER | 80                | 136                                   | 136                                  |  |
| STA. 135+45.82 TO STA. 244+54.58                  | CL          | TWO WAY AMBER MARKER | 80                | 137                                   | 137                                  |  |
| STA. EQ 244+53.58 BK = 244+67.10 AH               |             |                      |                   |                                       |                                      |  |
| STA. 244+67.10 TO STA. 247+10.00                  | CL          | TWO WAY AMBER MARKER | 80                | 4                                     | 4                                    |  |
| STA. 247+10.00 TO STA. 253+10.16                  | CL          | TWO WAY AMBER MARKER | 80                | 9                                     | 9                                    |  |
| MASON - TOTAL                                     |             |                      |                   | 277                                   | 277                                  |  |
| LOGAN - TOTAL                                     |             |                      |                   | 9                                     | 9                                    |  |
| TOTAL   |             |                      |                   | 286                                   | 286                                  |  |

| SHORT-TERM PAVEMENT MARKING                       |                |          |                              |                                 |  |  |
|---|----------------|----------|------------------------------|---------------------------------|--|--|
| LOCATION<br>STATION TO STATION<br>IL10 (CHESTNUT) | LENGTH<br>(FT) | SPACING  | NUMBER<br>OF<br>APPLICATIONS | SHORT-TERM<br>PAVE MARK<br>(FT) | SHORT-TERM<br>PAVE MARK REM<br>(SQ FT) |  |
| STA. 27+50.00 TO STA. 135+35.72                   | 10785.7        | 4' / 40' | 2                            | 2165                            | 360                                    |  |
| STA. 135+45.82 TO STA. 244+54.58                  | 10908.8        | 4' / 40' | 2                            | 2190                            | 365                                    |  |
| STA. EQ 244+53.58 BK = 244+67.10 AH               |                |          |                              |                                 |  |  |
| STA. 244+67.10 TO STA. 247+10.00                  | 242.9          | 4' / 40' | 2                            | 57                              | 9                                      |  |
| STA. 247+10.00 TO STA. 253+10.16                  | 600.2          | 4' / 40' | 2                            | 128                             | 21                                     |  |
| MASON SUB-TOTAL                                   |                |          |                              | 4411.5                          | 734.5                                  |  |
| LOGAN SUB-TOTAL                                   |                |          |                              | 128.0                           | 21.3                                   |  |
| TOTAL   |                |          |                              | 4540                            | 756                                    |  |

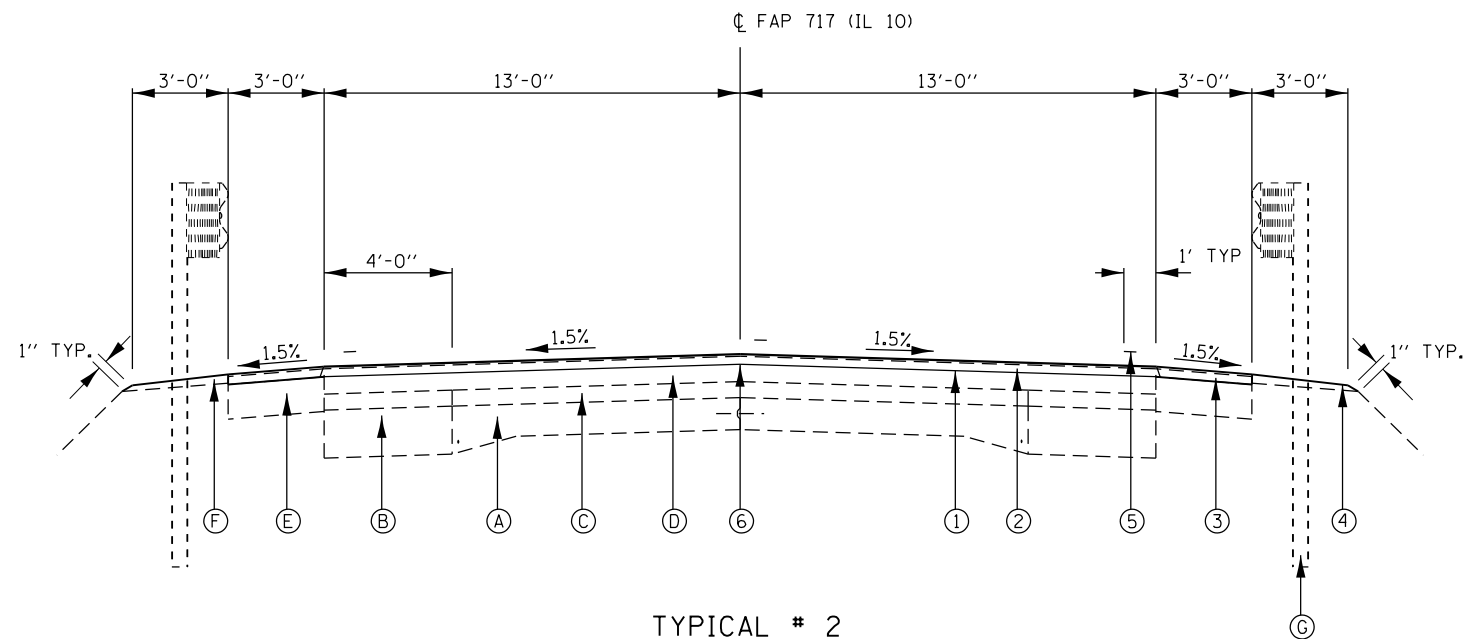
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| pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 6\Projects\0672L3\DRAWING\CAD\Sheets\0672L3-shr-schedule.dwg |                              | CHECKED -  | REVISED - |   | 717                                 | (101) RS-4 | * | 21                 | 7       |        |                 |              |
| Default  | PLOT SCALE = 100.0000' / in. | DATE -     | REVISED - |   | SCALE: SHEET OF SHEETS STA. TO STA. |            |   | CONTRACT NO. 72L13 |         |        |                 |              |



**TYPICAL # 1**  
STA. 27+50.00 TO STA. 250+86.19

**LEGEND**

- (A) EXIST. PCC PAVEMENT 9-6-9
- (B) EXIST. HMA BASE COURSE WIDENING 9"
- (C) EXIST. HMA OVERLAY, 3"
- (D) EXIST. HMA OVERLAY, (4 3/4" - 6")
- (E) EXIST. HMA SHOULDER
- (F) EXIST. AGGREGATE SHOULDER
- (G) EXIST. GUARD RAIL (TO REMAIN IN PLACE)
  
- (1) PROP. HMA SURFACE REMOVAL, VARIABLE DEPTH
- (2) PROP. HMA SURFACE COURSE, MIX "C" N50, 2"
- (3) PROP. HMA SHOULDERS 2 "
- (4) PROP. AGGREGATE WEDGE SHOULDERS, TY B
- (5) PROP. PAVEMENT MARKING, 5"
- (6) PROP. LONGITUDINAL JOINT SEALANT



**TYPICAL # 2**  
STA. 250+86.19 TO STA. 253+10.16

**NOTE:**

SEE SUPER ELEVATION TABLE FOR LOCATIONS AND TRANSITIONS

MILLING DEPTH NEEDS MONITORED TO REMOVE ALL EXISTING STRIP REFLECTIVE CRACK CONTROL FABRIC. STRIP REFLECTIVE CRACK CONTROL LOCATED BELOW EXISTING 1.5" SURFACE.

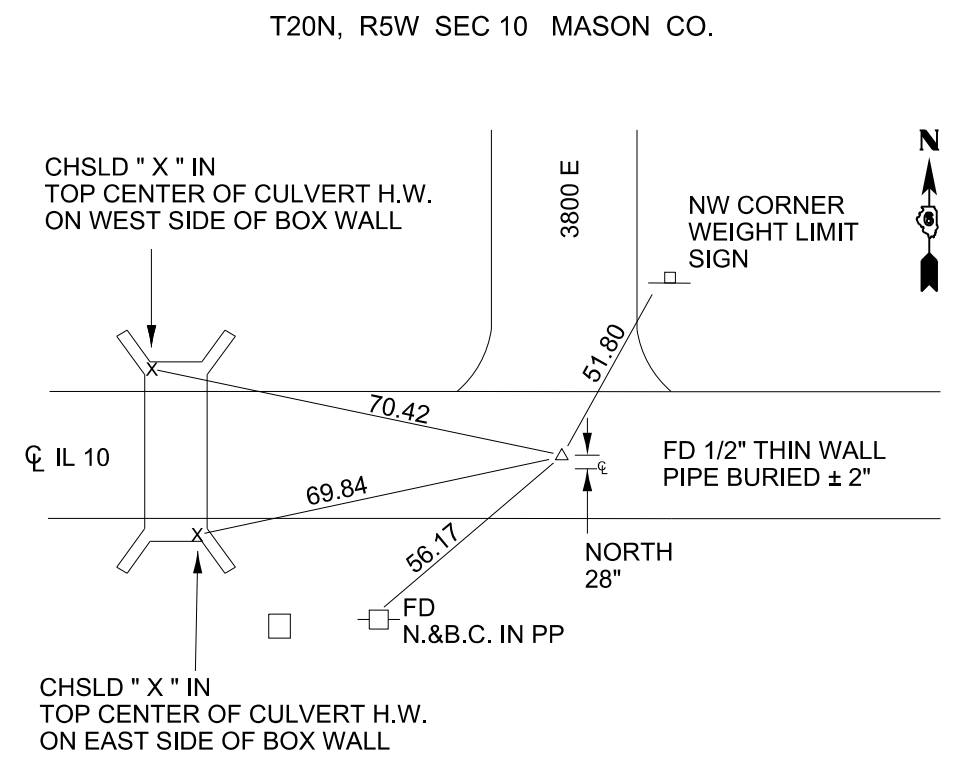
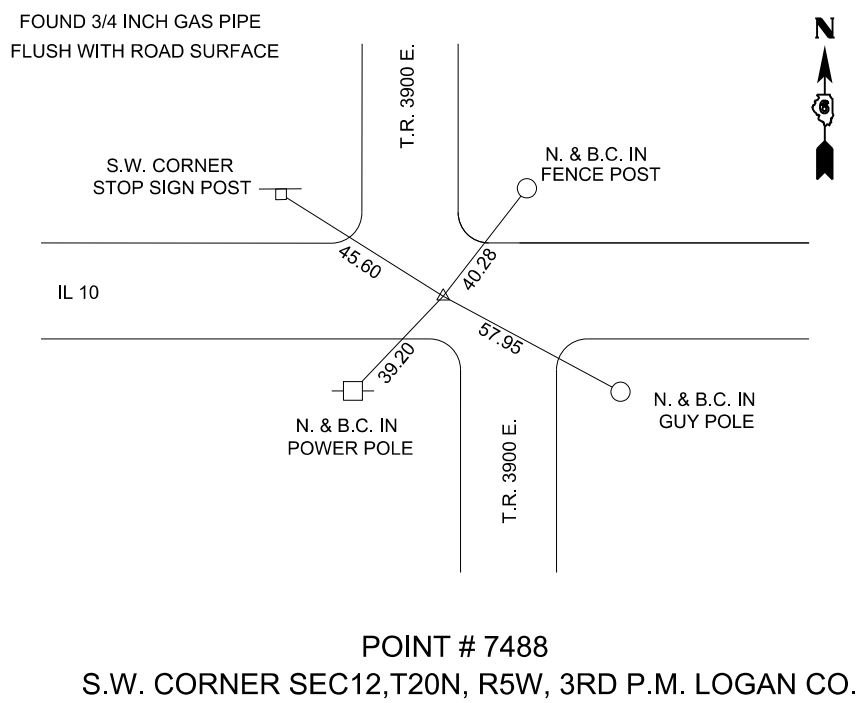
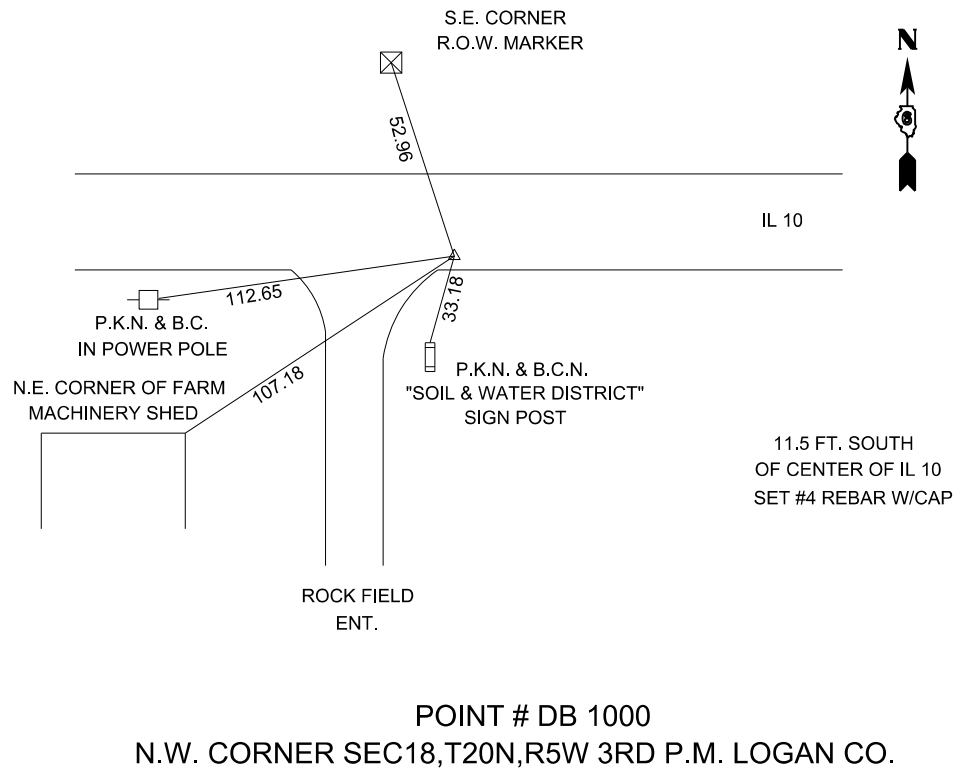
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| Default  | PLOT SCALE = 60,000 / in. | CHECKED -  | REVISED - |
|  | PLOT DATE = 3/12/2019     | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS  
FAP 717 (IL 10)**

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. P. RTE.       | SECTION    | COUNTY   | TOTAL SHEETS     | SHEET NO. |
|--------------------|------------|----------|------------------|-----------|
| 717                | (101) RS-4 | -        | 21               | 8         |
| CONTRACT NO. 72L13 |            |          |                  |           |
|                    |            | ILLINOIS | FED. AID PROJECT |           |

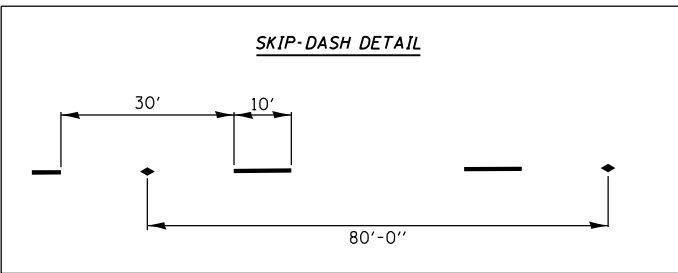


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|  | PLOT DATE = 3/11/2019  | DATE -     | REVISED - |

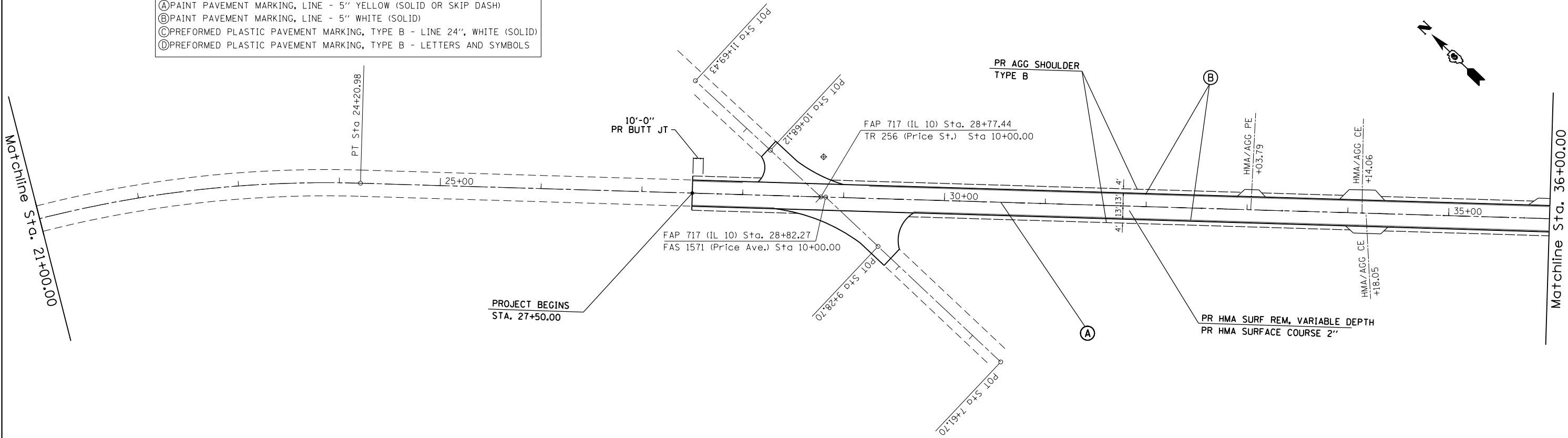
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|                              |       |           |              |
|------------------------------|-------|-----------|--------------|
| <b>TIES &amp; BENCHMARKS</b> |       |           |              |
| <b>FAP 717 (IL 10)</b>       |       |           |              |
| SCALE:                       | SHEET | OF SHEETS | STA. TO STA. |

|                           |            |        |              |           |
|---------------------------|------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
| 717                       | (101) RS-4 |        | 21           | 9         |
| CONTRACT NO. 72L13        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |



| PAVEMENT MARKING LEGEND |  |
|-------------------------|--|
| (A)                     | PAINT PAVEMENT MARKING, LINE - 5" YELLOW (SOLID OR SKIP DASH)        |
| (B)                     | PAINT PAVEMENT MARKING, LINE - 5" WHITE (SOLID)                      |
| (C)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24", WHITE (SOLID) |
| (D)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS     |

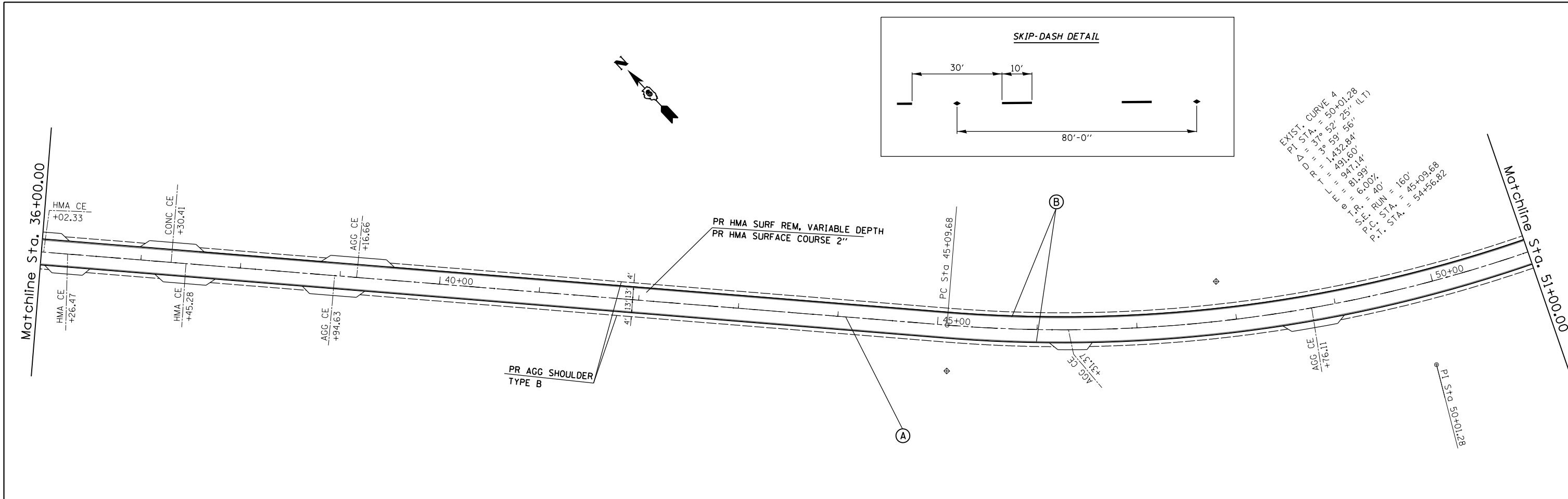


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| Default  | PLOT DATE = 3/11/2019 | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

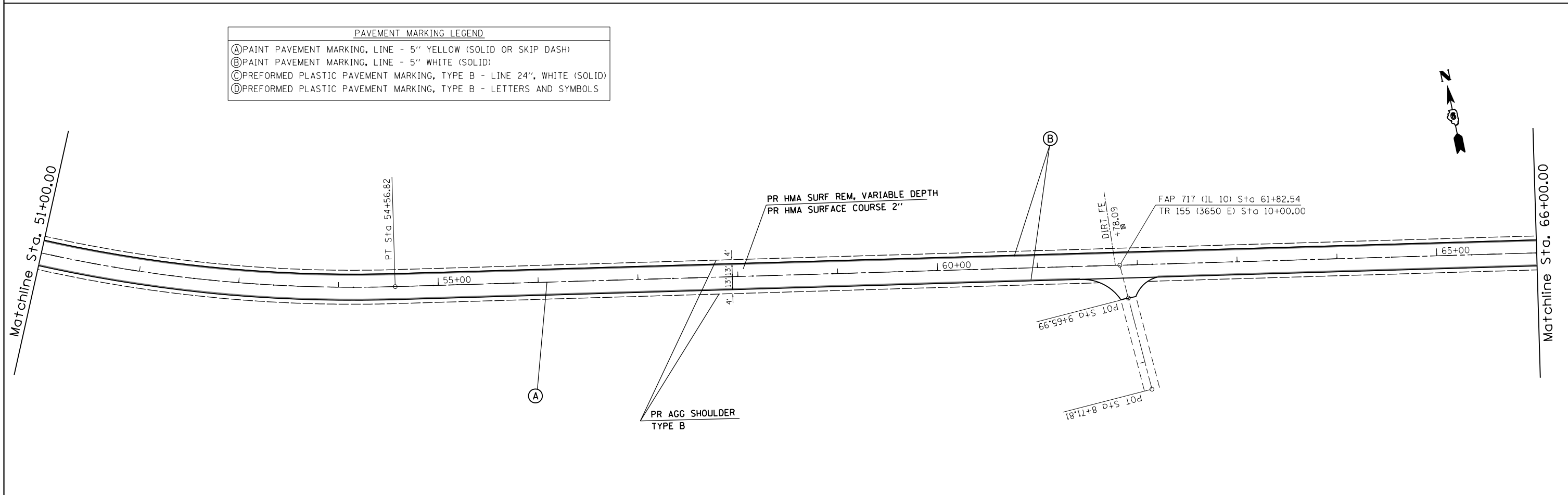
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| <b>PLAN SHEETS</b>     |       |           |              |
| <b>FAP 717 (IL 10)</b> |       |           |              |
| SCALE:                 | SHEET | OF SHEETS | STA. TO STA. |

|                    |            |        |                           |           |
|--------------------|------------|--------|---------------------------|-----------|
| F.A.P. RTE.        | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
| 717                | (101) RS-4 |        | 21                        | 10        |
| CONTRACT NO. 72L13 |            |        | ILLINOIS FED. AID PROJECT |           |



**PAVEMENT MARKING LEGEND**

|   |  |
|---|--|
| Ⓐ | PAINT PAVEMENT MARKING, LINE - 5" YELLOW (SOLID OR SKIP DASH)        |
| Ⓑ | PAINT PAVEMENT MARKING, LINE - 5" WHITE (SOLID)                      |
| Ⓒ | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24", WHITE (SOLID) |
| Ⓓ | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS     |



|   |                       |            |           |
|---|-----------------------|------------|-----------|
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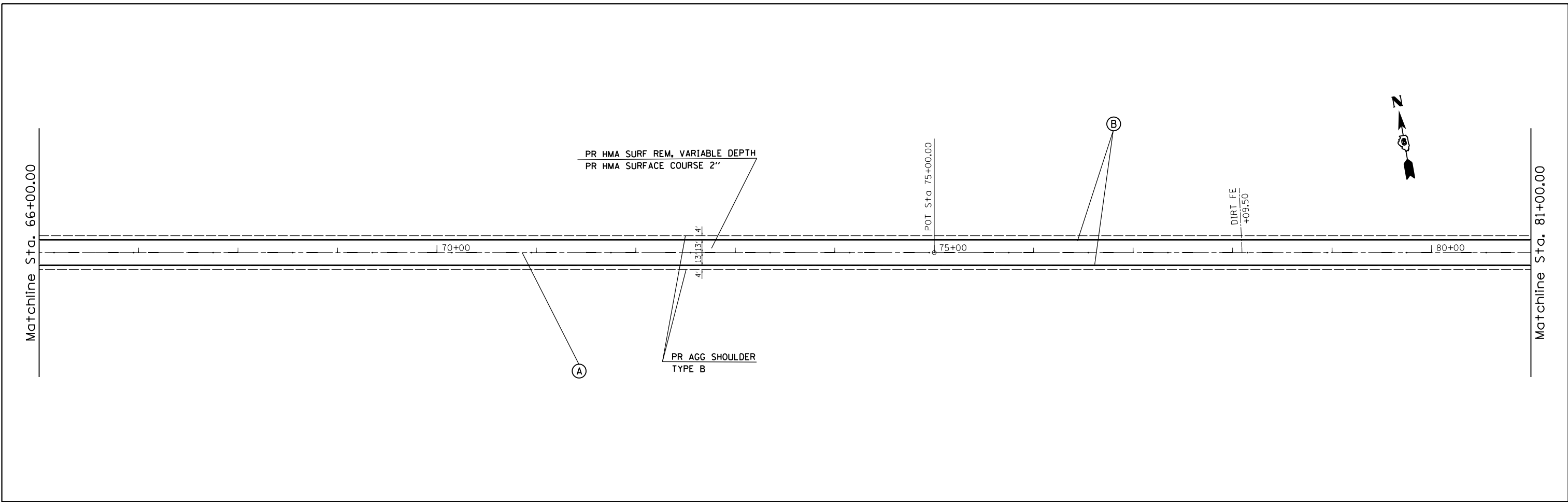
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS  
 FAP 717 (IL 10)**

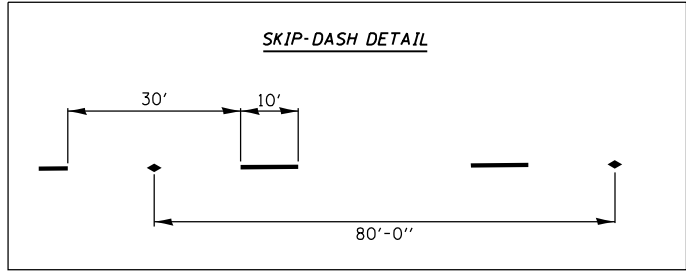
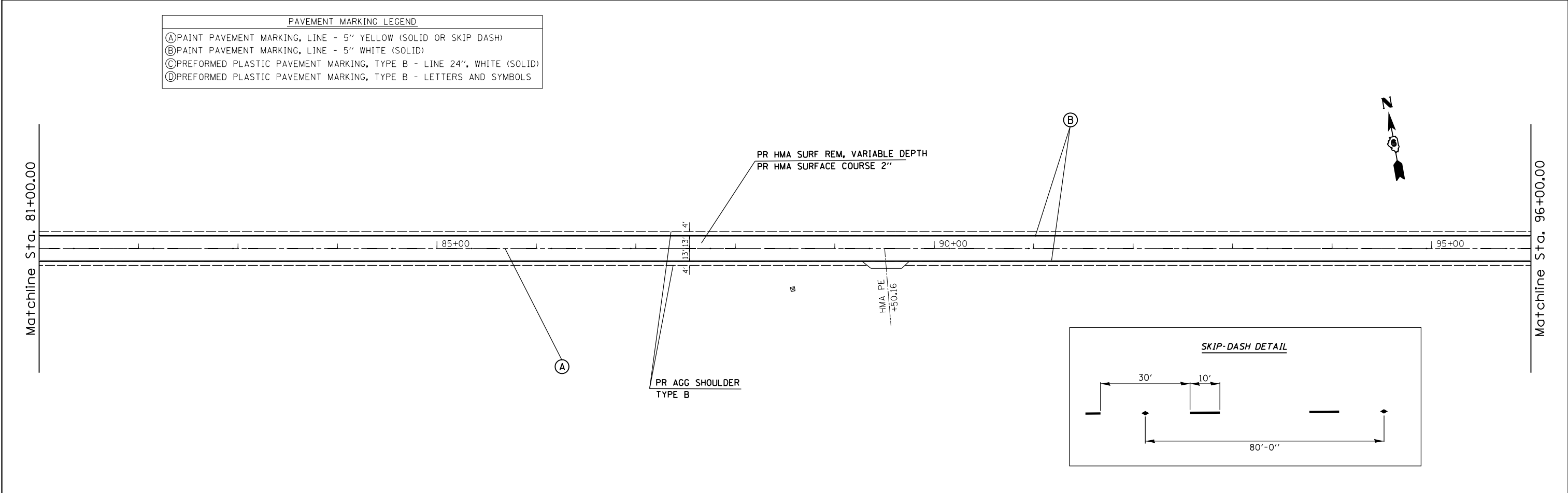
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| SCALE: | SHEET | OF | SHEETS | STA. | TO | STA. |
|--------|-------|----|--------|------|----|------|

|                           |            |        |              |           |
|---------------------------|------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
| 717                       | (101) RS-4 |        | 21           | 11        |
| CONTRACT NO. 72L13        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |





| PAVEMENT MARKING LEGEND |  |
|-------------------------|--|
| Ⓐ                       | PAINT PAVEMENT MARKING, LINE - 5" YELLOW (SOLID OR SKIP DASH)        |
| Ⓑ                       | PAINT PAVEMENT MARKING, LINE - 5" WHITE (SOLID)                      |
| Ⓒ                       | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24", WHITE (SOLID) |
| Ⓓ                       | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS     |

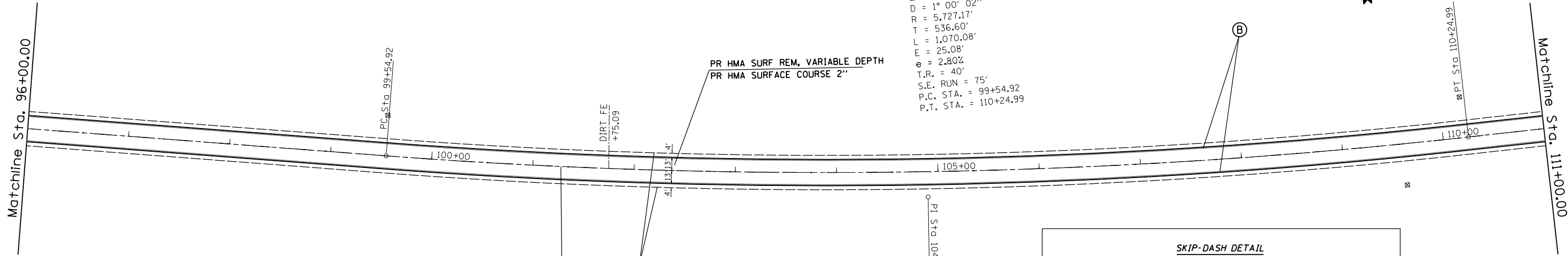


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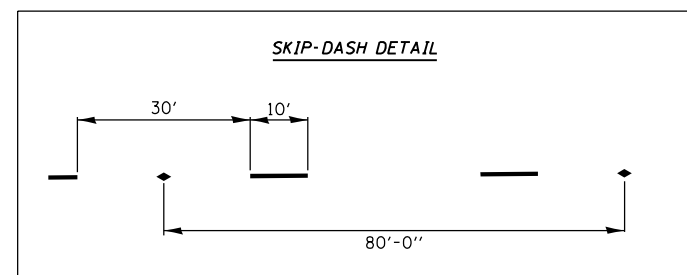
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|  |       |           |              |
|--|-------|-----------|--------------|
| <b>PLAN SHEETS<br/>FAP 717 (IL 10)</b> |       |           |              |
| SCALE:                                 | SHEET | OF SHEETS | STA. TO STA. |

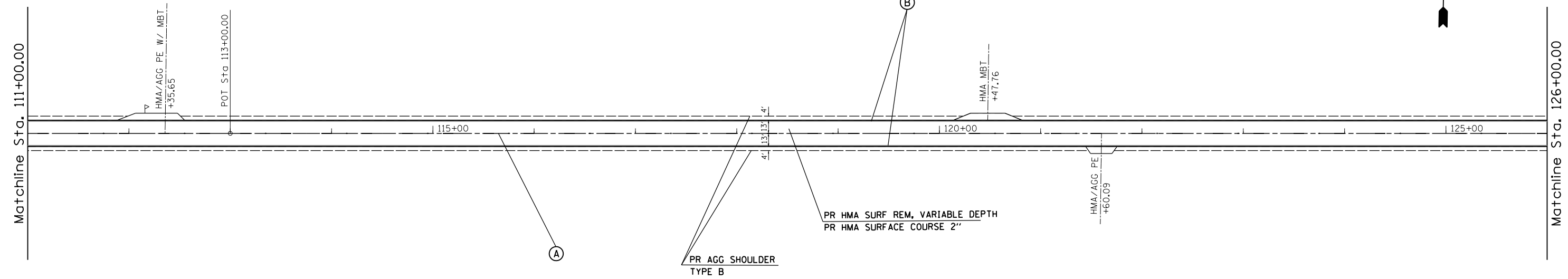
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| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
| 717                       | (101) RS-4 |        | 21                 | 12        |
| ILLINOIS FED. AID PROJECT |            |        | CONTRACT NO. 72L13 |           |



EXIST. CURVE 5  
 PI STA. = 104+91.52  
 $\Delta = 10^\circ 42' 19''$  (LT)  
 $D = 1^\circ 00' 02''$   
 $R = 5,727.17'$   
 $T = 536.60'$   
 $L = 1,070.08'$   
 $E = 25.08'$   
 $e = 2.80\%$   
 $T.R. = 40'$   
 $S.E. RUN = 75'$   
 $P.C. STA. = 99+54.92$   
 $P.T. STA. = 110+24.99$



| PAVEMENT MARKING LEGEND |  |
|-------------------------|--|
| (A)                     | PAINT PAVEMENT MARKING, LINE - 5" YELLOW (SOLID OR SKIP DASH)        |
| (B)                     | PAINT PAVEMENT MARKING, LINE - 5" WHITE (SOLID)                      |
| (C)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24", WHITE (SOLID) |
| (D)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS     |



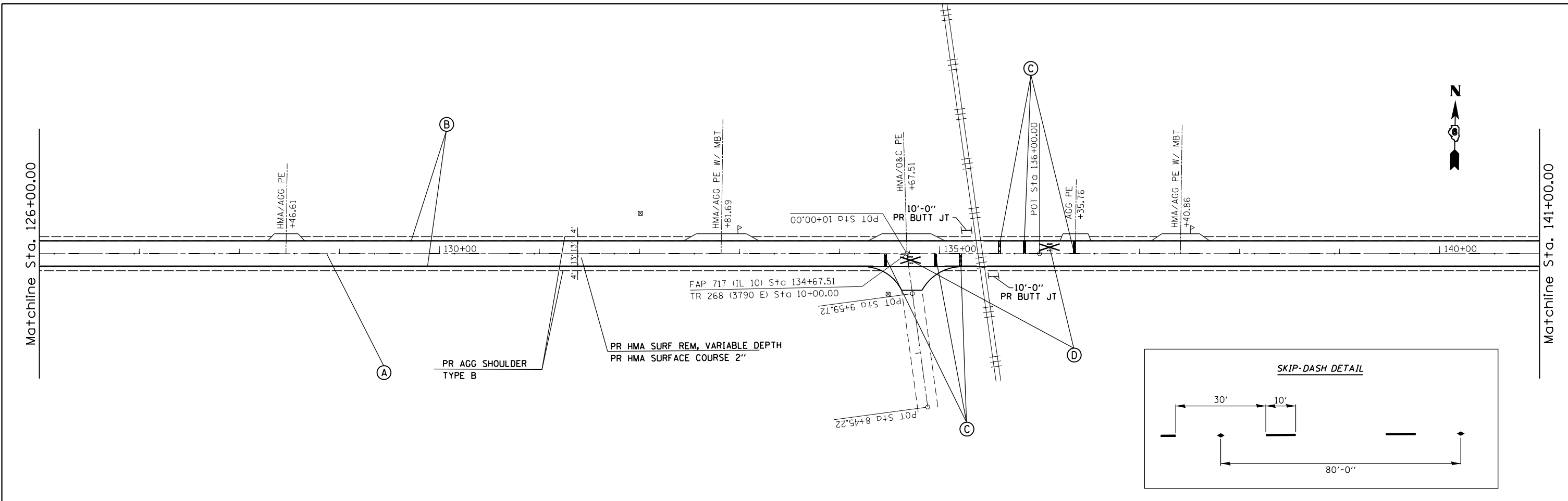
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| Default  | PLOT DATE = 3/11/2019 | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

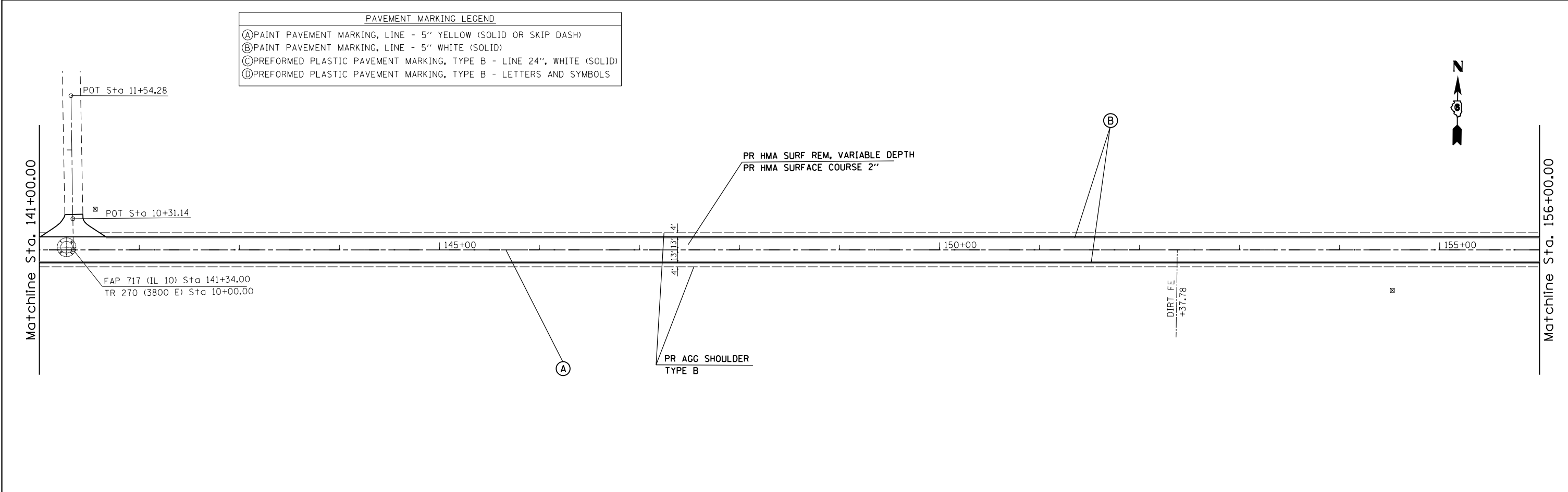
**PLAN SHEETS  
 FAP 717 (IL 10)**

|        |       |    |        |      |    |      |
|--------|-------|----|--------|------|----|------|
| SCALE: | SHEET | OF | SHEETS | STA. | TO | STA. |
|--------|-------|----|--------|------|----|------|

| F.A.P. RTE.        | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|------------|--------|---------------------------|-----------|
| 717                | (101) RS-4 |        | 21                        | 13        |
| CONTRACT NO. 72L13 |            |        | ILLINOIS FED. AID PROJECT |           |



| PAVEMENT MARKING LEGEND |  |
|-------------------------|--|
| (A)                     | PAINT PAVEMENT MARKING, LINE - 5" YELLOW (SOLID OR SKIP DASH)        |
| (B)                     | PAINT PAVEMENT MARKING, LINE - 5" WHITE (SOLID)                      |
| (C)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24", WHITE (SOLID) |
| (D)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS     |



|  |                              |            |           |
|--|------------------------------|------------|-----------|
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|  | PLOT SCALE = 100.0000' / in. | DATE -     | REVISED - |
| Default  | PLOT DATE = 3/11/2019        |            |           |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|                        |       |           |              |
|------------------------|-------|-----------|--------------|
| <b>PLAN SHEETS</b>     |       |           |              |
| <b>FAP 717 (IL 10)</b> |       |           |              |
| SCALE:                 | SHEET | OF SHEETS | STA. TO STA. |

|                           |            |        |              |           |
|---------------------------|------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
| 717                       | (101) RS-4 |        | 21           | 14        |
| CONTRACT NO. 72L13        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |

Matchline Sta. 156+00.00

Matchline Sta. 171+00.00

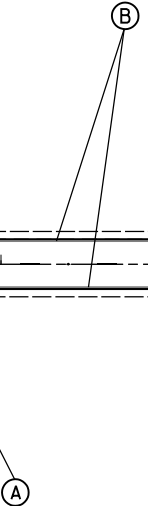


POT Sta. 160+00.00

160+00

165+00

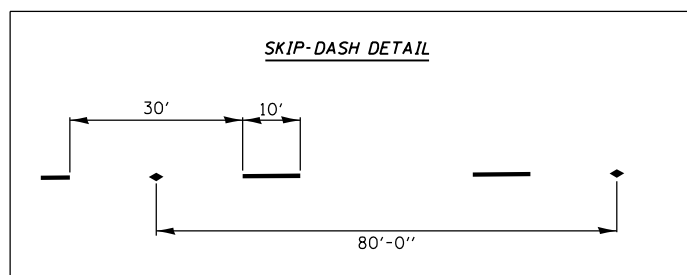
170+00



PR HMA SURF REM, VARIABLE DEPTH  
PR HMA SURFACE COURSE 2"

PR AGG SHOULDER  
TYPE B

DIRT FE  
+62.72



| PAVEMENT MARKING LEGEND |  |
|-------------------------|--|
| Ⓐ                       | PAINT PAVEMENT MARKING, LINE - 5" YELLOW (SOLID OR SKIP DASH)        |
| Ⓑ                       | PAINT PAVEMENT MARKING, LINE - 5" WHITE (SOLID)                      |
| Ⓒ                       | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24", WHITE (SOLID) |
| Ⓓ                       | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS     |

Matchline Sta. 171+00.00

Matchline Sta. 186+00.00



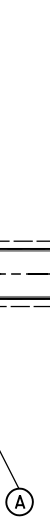
HMA/AGG PE  
+26.80

AGG MBT  
+25.29

175+00

180+00

185+00



PR HMA SURF REM, VARIABLE DEPTH  
PR HMA SURFACE COURSE 2"

PR AGG SHOULDER  
TYPE B

DIRT FE  
+82.68

DIRT FE  
+25.60

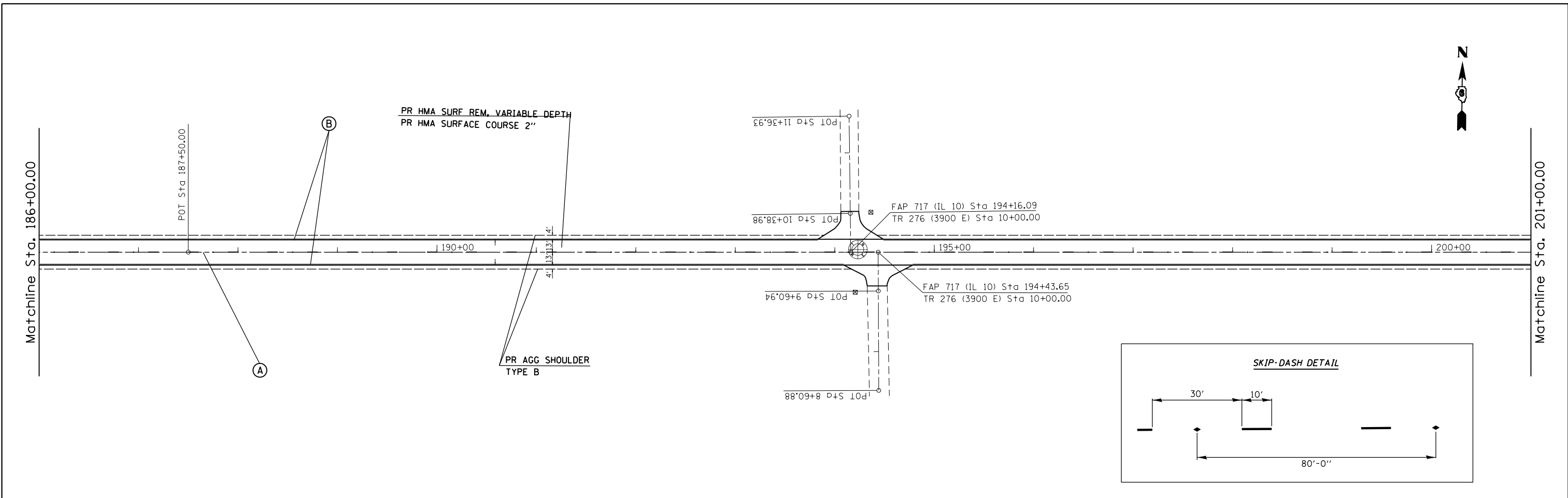
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|  | PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - |
| Default  | PLOT DATE = 3/11/2019        | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

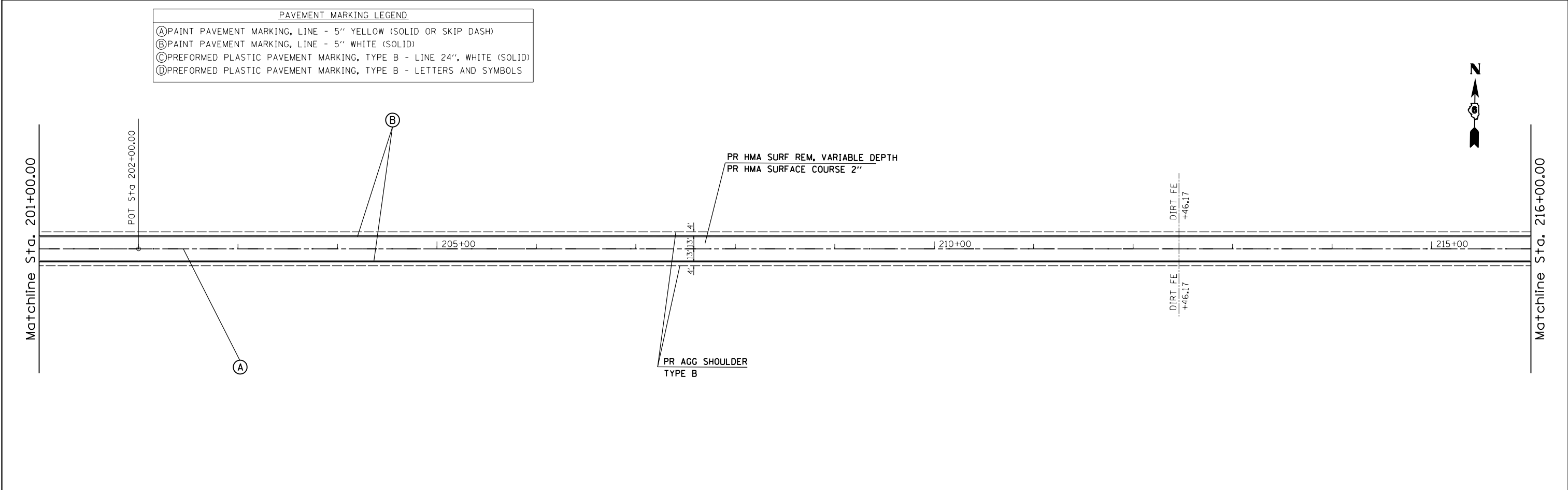
PLAN SHEETS  
FAP 717 (IL 10)

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE.        | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|------------|--------|---------------------------|-----------|
| 717                | (101) RS-4 |        | 21                        | 15        |
| CONTRACT NO. 72L13 |            |        | ILLINOIS FED. AID PROJECT |           |



| PAVEMENT MARKING LEGEND |  |
|-------------------------|--|
| (A)                     | PAINT PAVEMENT MARKING, LINE - 5" YELLOW (SOLID OR SKIP DASH)        |
| (B)                     | PAINT PAVEMENT MARKING, LINE - 5" WHITE (SOLID)                      |
| (C)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24", WHITE (SOLID) |
| (D)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS     |

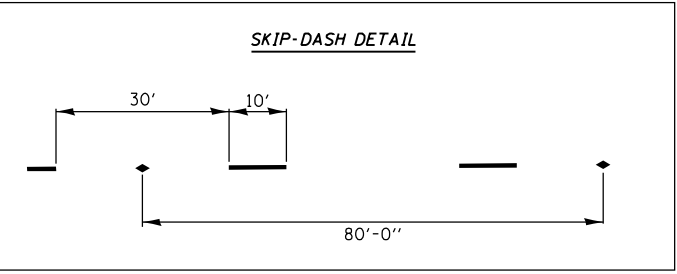
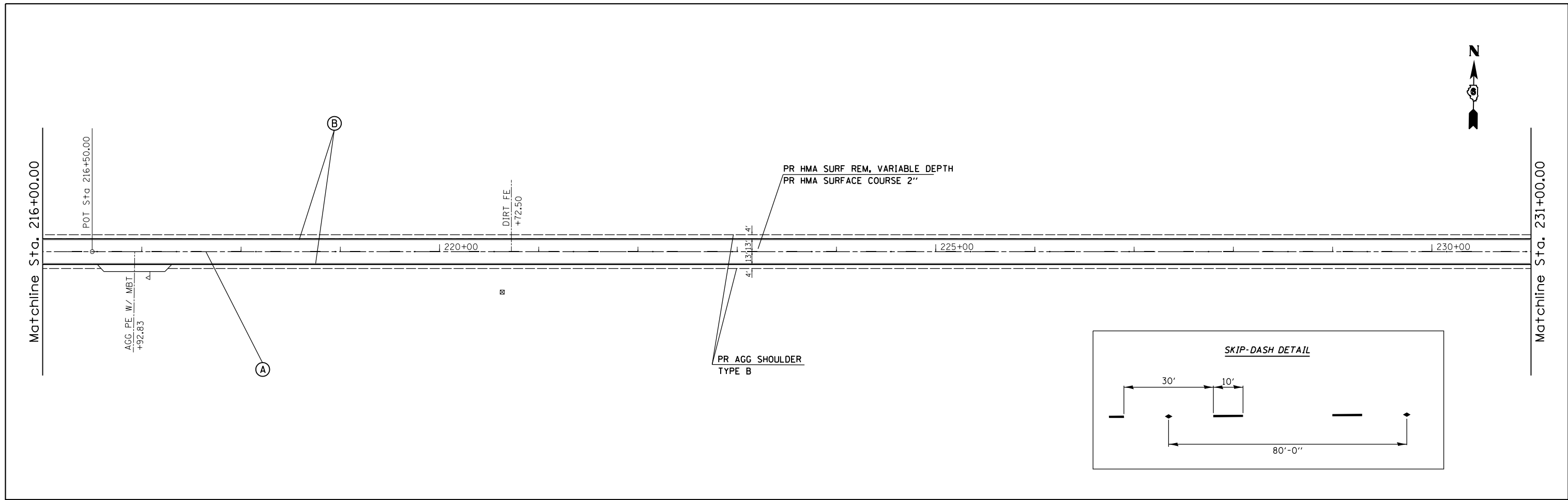


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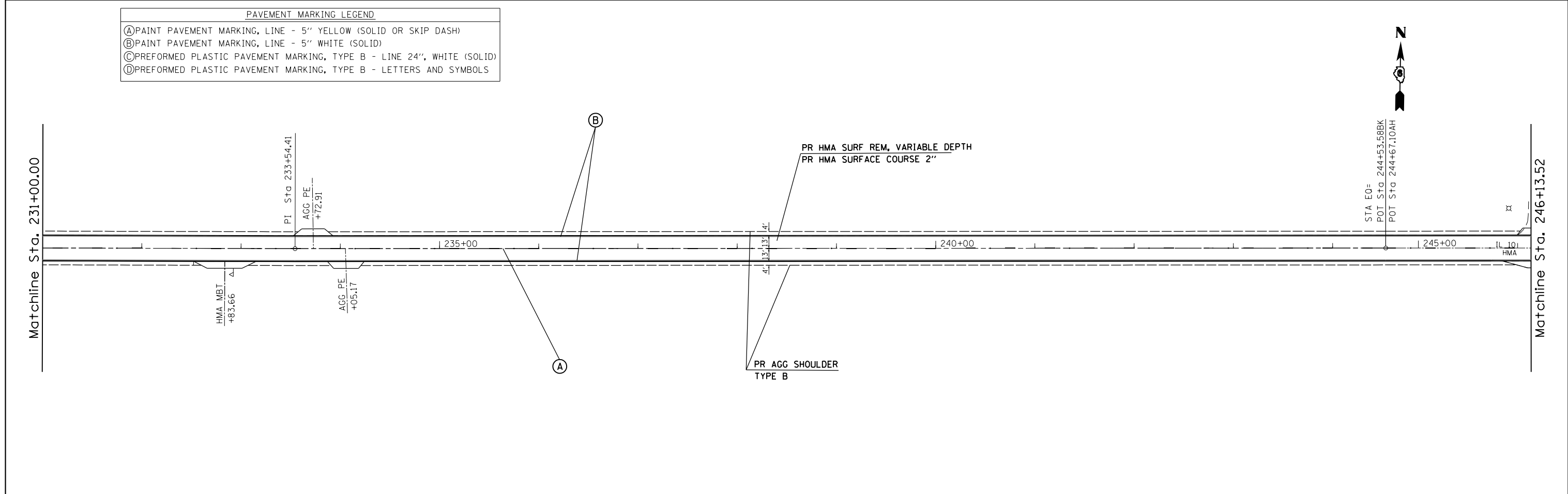
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|                        |       |           |              |
|------------------------|-------|-----------|--------------|
| <b>PLAN SHEETS</b>     |       |           |              |
| <b>FAP 717 (IL 10)</b> |       |           |              |
| SCALE:                 | SHEET | OF SHEETS | STA. TO STA. |

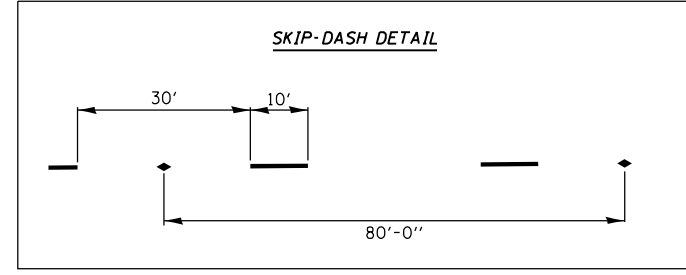
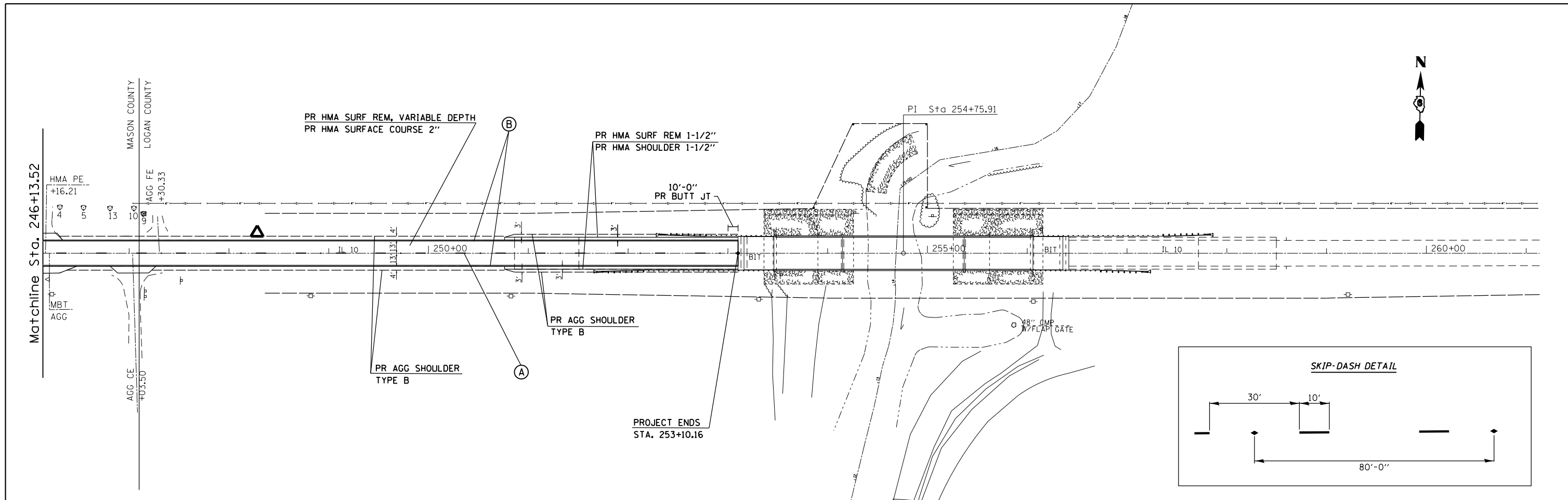
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|---------------------------|------------|--------|--------------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
| 717                       | (101) RS-4 |        | 21                 | 16        |
| ILLINOIS FED. AID PROJECT |            |        | CONTRACT NO. 72L13 |           |



| PAVEMENT MARKING LEGEND |  |
|-------------------------|--|
| (A)                     | PAINT PAVEMENT MARKING, LINE - 5" YELLOW (SOLID OR SKIP DASH)        |
| (B)                     | PAINT PAVEMENT MARKING, LINE - 5" WHITE (SOLID)                      |
| (C)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24", WHITE (SOLID) |
| (D)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS     |



|   |                              |            |           |   |  |            |    |        |             |                  |        |              |           |
|---|------------------------------|------------|-----------|---|--|------------|----|--------|-------------|------------------|--------|--------------|-----------|
| FILE NAME =   | USER NAME = shmkusft         | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PLAN SHEETS<br/>FAP 717 (IL 10)</b> |            |    |        | F.A.P. RTE. | SECTION          | COUNTY | TOTAL SHEETS | SHEET NO. |
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| Default   | PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - |   | CONTRACT NO. 72L13                     |            |    |        | ILLINOIS    | FED. AID PROJECT |        |              |           |
|   | PLOT DATE = 3/11/2019        | DATE -     | REVISED - |   | SCALE:                                 | SHEET      | OF | SHEETS | STA.        | TO               | STA.   |              |           |



| PAVEMENT MARKING LEGEND |  |
|-------------------------|--|
| (A)                     | PAINT PAVEMENT MARKING, LINE - 5" YELLOW (SOLID OR SKIP DASH)        |
| (B)                     | PAINT PAVEMENT MARKING, LINE - 5" WHITE (SOLID)                      |
| (C)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24", WHITE (SOLID) |
| (D)                     | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS     |

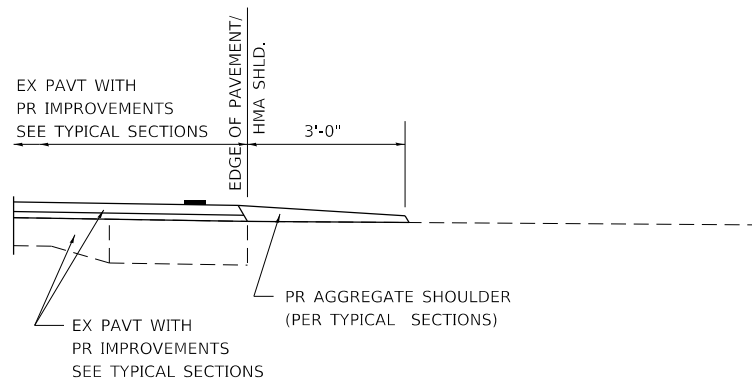
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

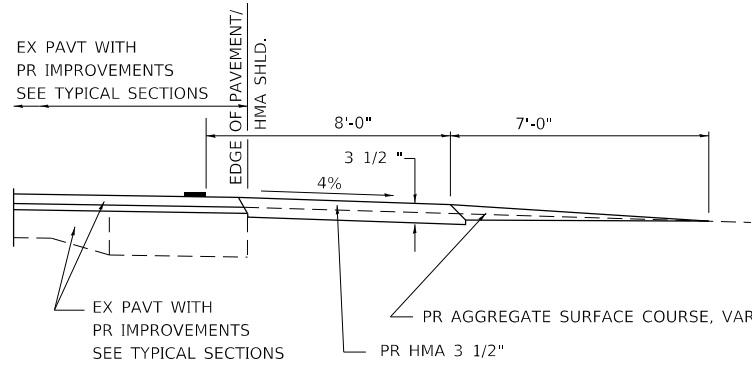
**PLAN SHEETS  
FAP 717 (IL 10)**

SCALE: SHEET OF SHEETS STA. TO STA.

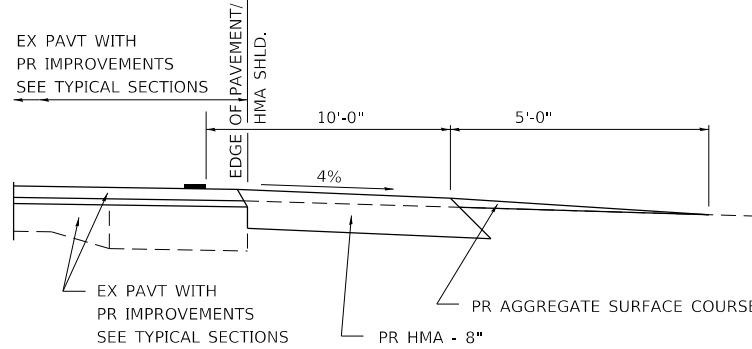
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| ILLINOIS FED. AID PROJECT |            |        | CONTRACT NO. 72L13 |           |



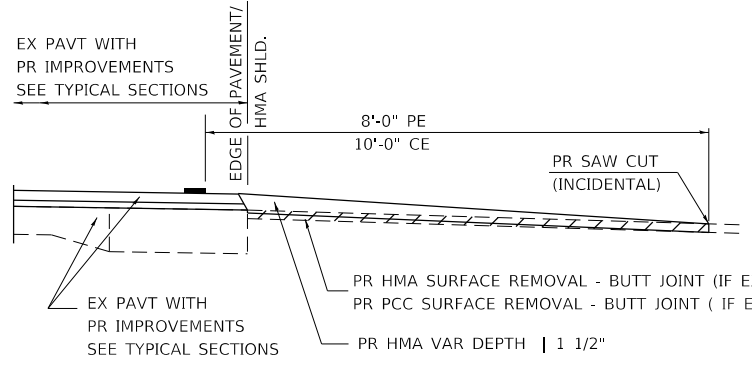
**SECTION A-A FOR EX EARTH/ AGGREGATE FE**



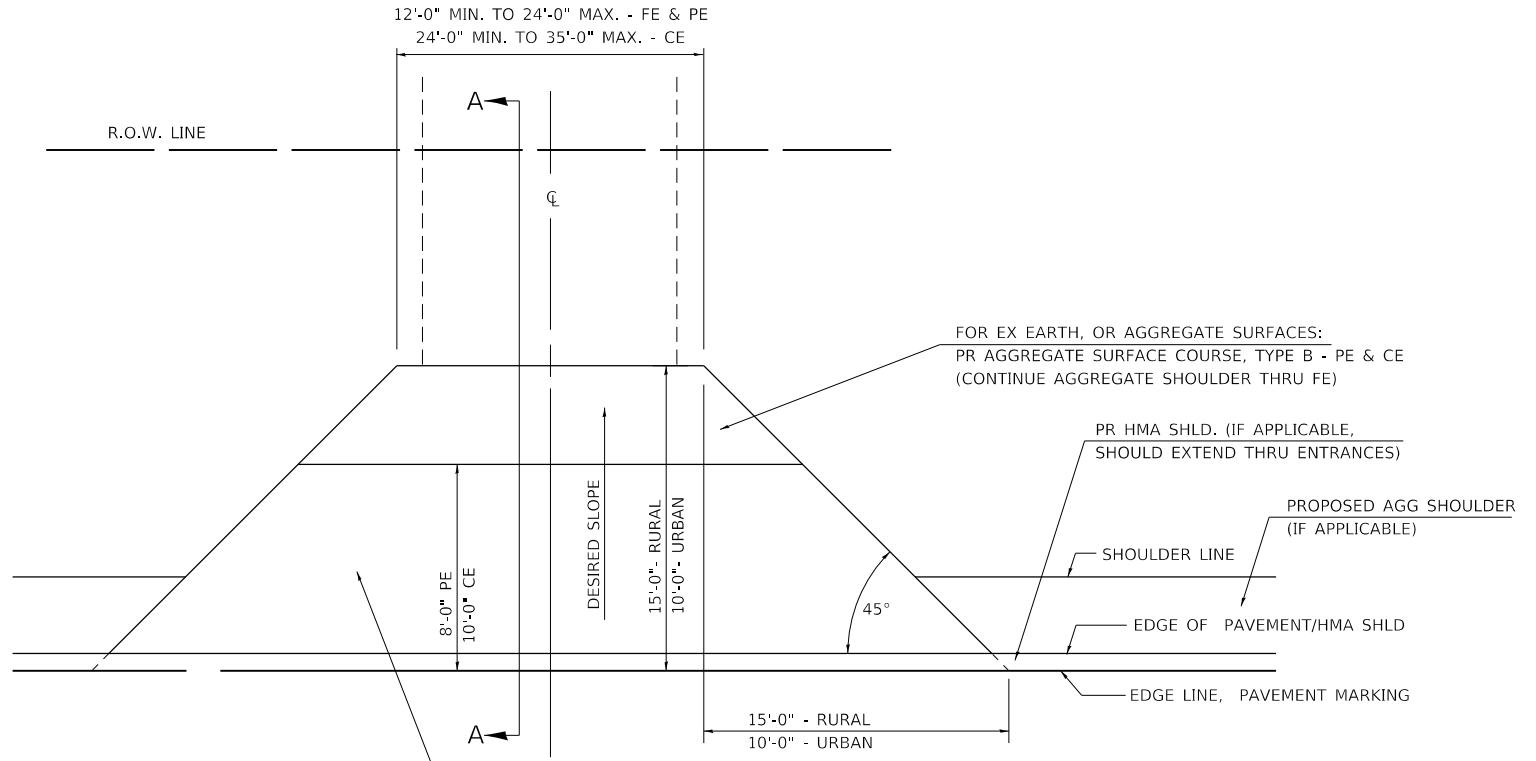
**SECTION A-A FOR EX EARTH/AGGREGATE PE**



**SECTION A-A FOR EX EARTH/AGGREGATE CE & SIDE ROAD**



**SECTION A-A FOR EX HMA/ PC CONCRETE PE, CE & SIDE ROAD**



FOR EX EARTH OR AGGREGATE SURFACES:  
 PR HMA SURFACE REMOVAL (IF APPLICABLE)  
 PR AGGREGATE SHOULDER THRU - FE  
 PR HMA CONCRETE 3 1/2" - PE  
 PR HMA CONCRETE 8" - CE

FOR EX HMA CONCRETE SURFACES:  
 PR HMA SURFACE REMOVAL-BUTT JOINT

FOR EX PCC SURFACES:  
 PR PCC SURFACE REMOVAL-BUTT JOINT

**GENERAL NOTES:**

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

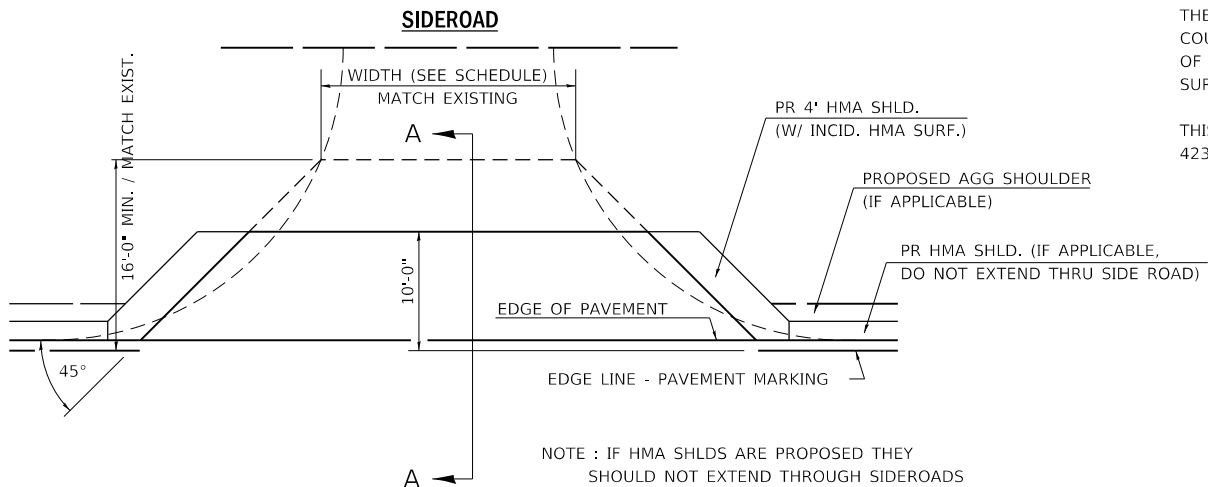
ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

HMA CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE HMA CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 3 INCHES AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF HMA BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 2 INCHES SHALL MEET THE REQUIREMENTS OF HMA CONCRETE SURFACE COURSE, SUPERPAVE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.



NOTE : IF HMA SHLDS ARE PROPOSED THEY SHOULD NOT EXTEND THROUGH SIDEROADS

MODEL: Default FILE: 71713\_010113\_010113\_CADDData/CADD sheets/0672L13.rvt-13-11-2019.dwg

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| PLOT SCALE = 40,0000 ' / in. | CHECKED - JCN            | REVISED -             |
| PLOT DATE = 3/13/2019        | DATE - FEBRUARY 23, 1999 | REVISED -             |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

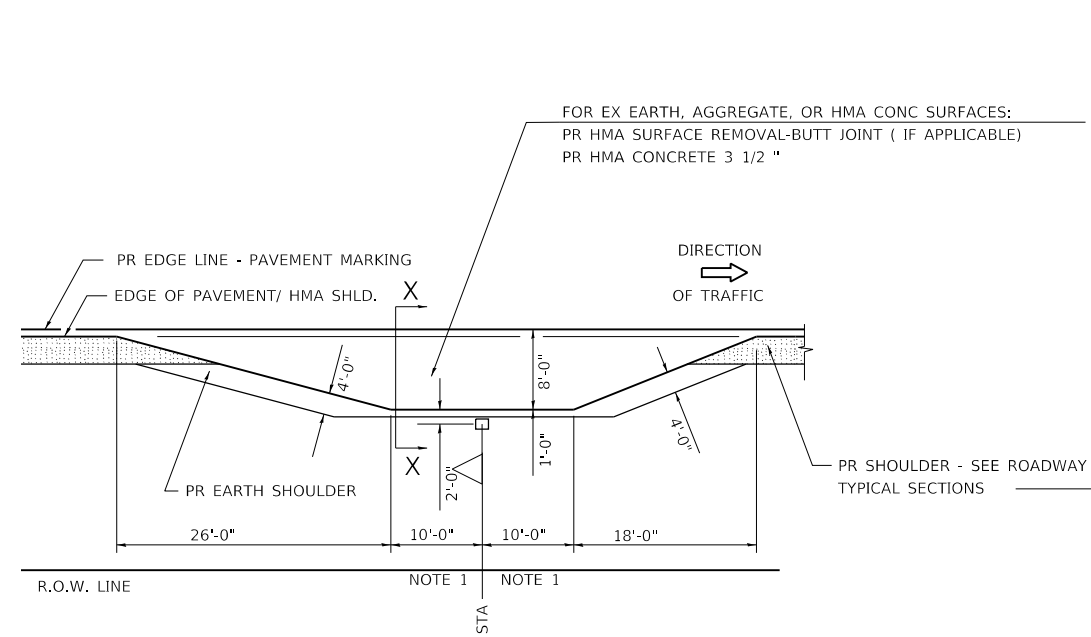
**DIST.6 DETAILS FOR RURAL/URBAN ENT., MAILBOX  
TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)**

SCALE: SHEET OF SHEETS STA. TO STA.

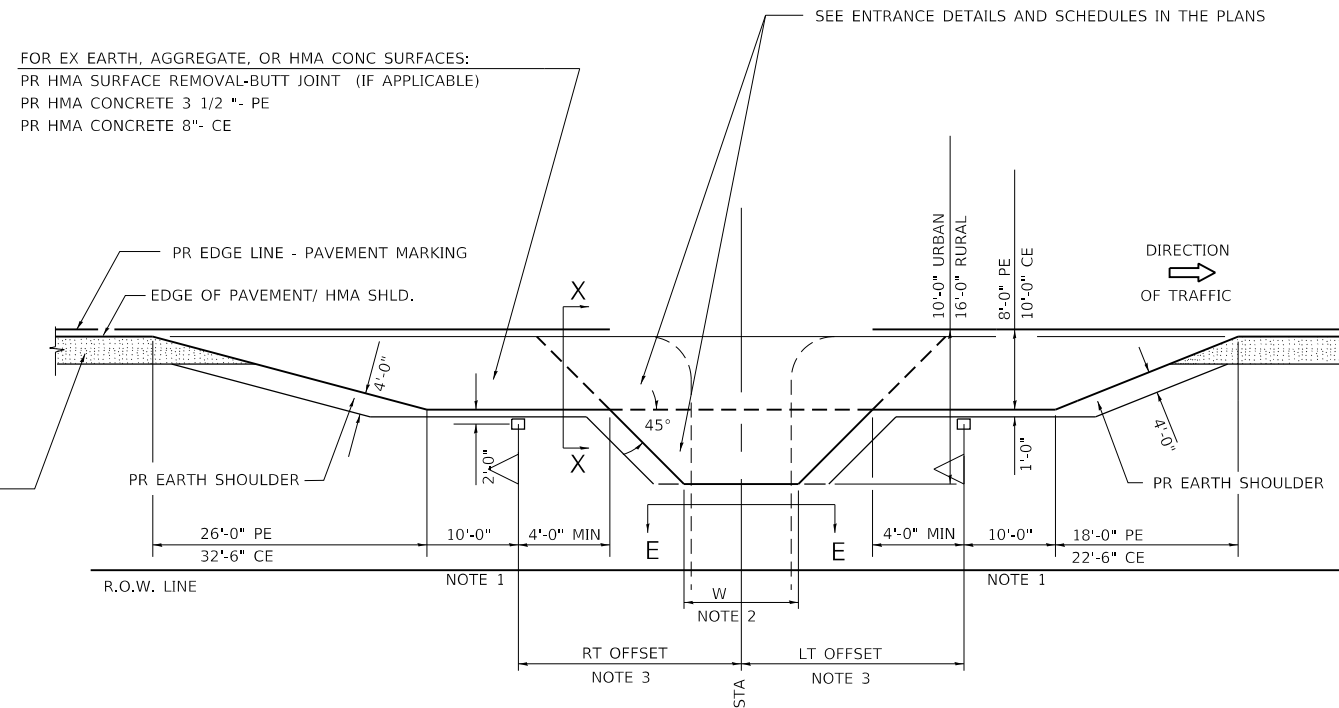
| F.A.P. RTE.        | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------|--------|--------------|-----------|
| 717                | (101) RS-4 | *      | 21           | 19        |
| CONTRACT NO. 72L13 |            |        |              |           |



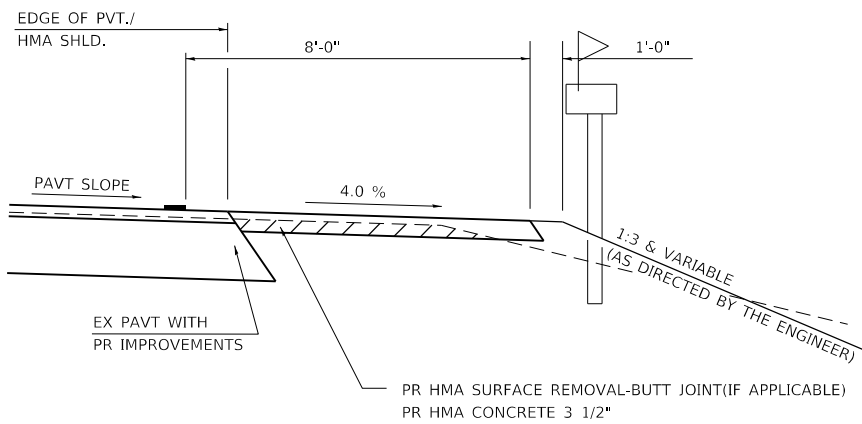
# DETAILS OF MAILBOX TURNOUTS



PLAN - MAILBOX TURNOUTS

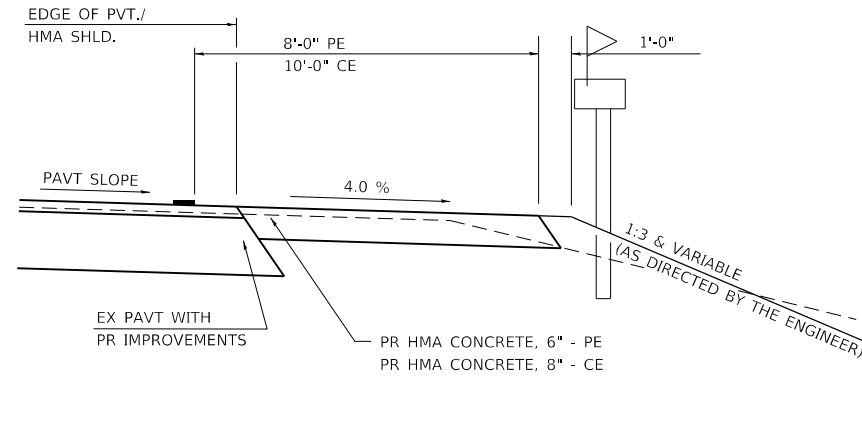


PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



SECTION X-X THRU MAILBOX TURNOUT  
 ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH  
 EX EARTH, AGGREGATE, OR HMA PE & FE

( DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.  
 IF EXISTING, TREAT SAME AS ENTRANCE. )



SECTION X-X THRU MAILBOX TURNOUT  
 COMBINED WITH EX HMA CONC & PC CONC PE & CE

( DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.  
 IF EXISTING, TREAT SAME AS ENTRANCE. )

- NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT, DIMENSION FROM CENTER OF END MAILBOX.
- NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.
- NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

ALL DIMENSIONS ARE IN INCHES  
 UNLESS OTHERWISE SHOWN.

MODEL: Default  
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 PROJECT: 72L13  
 SHEET: 20  
 DATE: 3/13/2019

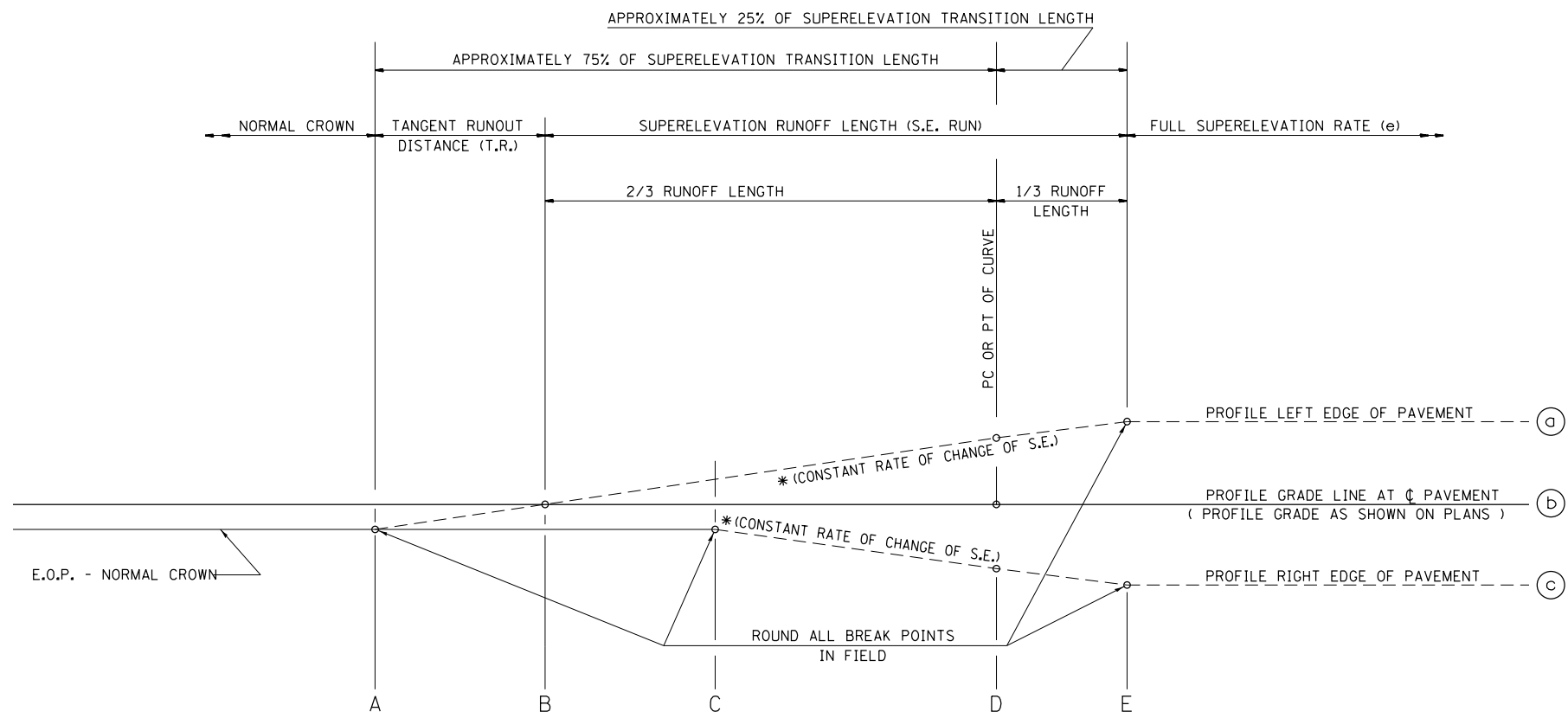
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|                              | DRAWN - CADD             | REVISED - 4/01/04 | JCN |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JCN            | REVISED -         |     |
| PLOT DATE = 3/13/2019        | DATE - FEBRUARY 23, 1999 | REVISED -         |     |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DIST. 6 DETAILS FOR RURAL/URBAN ENT., MAILBOX  
 TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)

SCALE: SHEET OF SHEETS STA. TO STA.

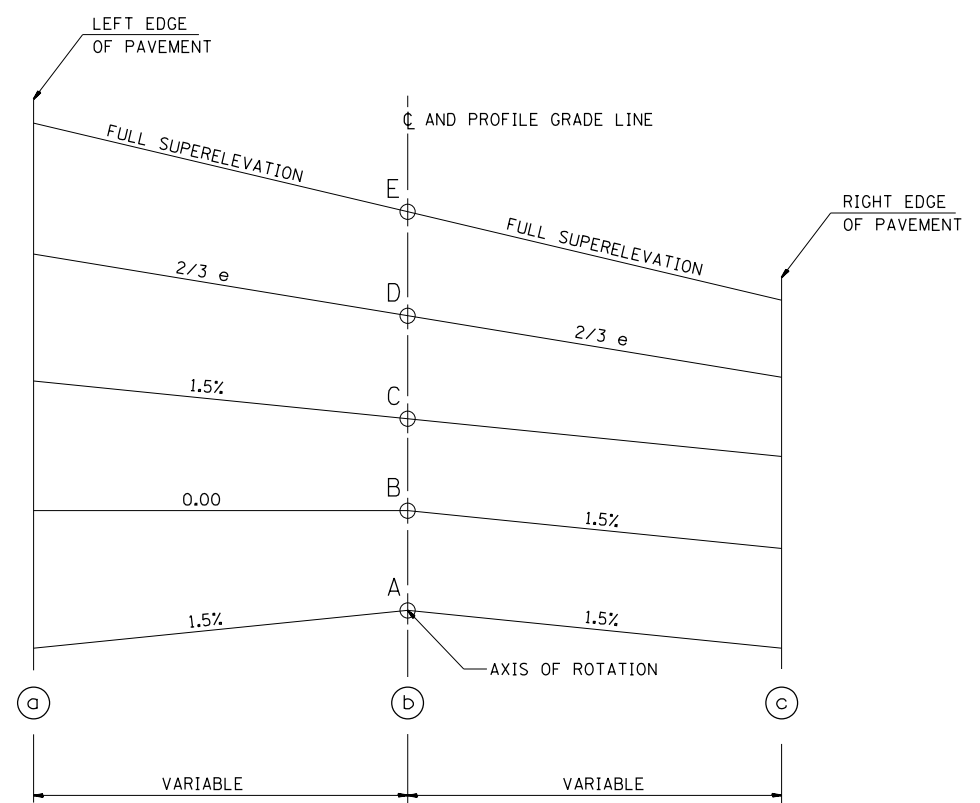
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|--------|--------------|-----------|
| 717                       | (101) RS-4 |        | 21           | 20        |
| CONTRACT NO. 72L13        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |



SEE PLANS FOR CURVE DATA INFORMATION

CURVE DATA  
P.I. STA=  
 $\Delta$ =  
R=  
T=  
L=  
E=  
e= SUPERELEVATION RATE IN PERCENT  
T.R.= TANGENT RUNOUT DISTANCE  
S.E. RUN= SUPERELEVATION RUNOFF LENGTH  
P.C. STA=  
P.T. STA=

TYPICAL PROFILE - S.E. TRANSITION



TYPICAL CROSS SECTION - S.E. TRANSITION

| TABLE OF SUPERELEVATION BREAK POINT LOCATION |       |                |                |                |                |                |            |
|--|-------|----------------|----------------|----------------|----------------|----------------|------------|
| CURVE NO.                                    | e     | A              | B              | C              | D              | E              | TRANSITION |
| 1  | 3.20% | STA. 5+03.77   | STA. 5+37.17   | STA. 5+70.57   | STA. 5+84.57   | STA. 6+08.27   | TRANS. IN  |
|  |       | STA. 12+57.07  | STA. 12+23.67  | STA. 11+90.27  | STA. 11+76.27  | STA. 11+52.57  | TRANS. OUT |
| 3  | 5.80% | STA. 13+15.38  | STA. 13+51.38  | STA. 13+87.38  | STA. 14+44.18  | STA. 14+90.58  | TRANS. IN  |
|  |       | STA. 25+49.78  | STA. 25+13.78  | STA. 24+77.78  | STA. 24+20.98  | STA. 23+74.58  | TRANS. OUT |
| 4  | 6.00% | STA. 43+63.08  | STA. 44+03.08  | STA. 44+43.08  | STA. 45+09.68  | STA. 45+62.98  | TRANS. IN  |
|  |       | STA. 56+03.42  | STA. 55+63.42  | STA. 55+23.42  | STA. 54+56.82  | STA. 54+03.52  | TRANS. OUT |
| 5  | 2.80% | STA. 98+65.19  | STA. 99+05.19  | STA. 99+45.19  | STA. 99+54.92  | STA. 99+79.79  | TRANS. IN  |
|  |       | STA. 111+14.72 | STA. 110+74.72 | STA. 110+34.72 | STA. 110+24.99 | STA. 110+00.12 | TRANS. OUT |