

## INDEX OF SHEETS

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THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING THE LAST NUMBERED SHEET OF THE PLANS.

| STD. NO.  | DESCRIPTION   |
|-----------|---|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS                                   |
| 001001-02 | AREAS OF REINFORCEMENT BARS   |
| 001006    | DECIMAL OF AN INCH AND OF A FOOT  |
| 442001-04 | CLASS A PATCHES   |
| 642001-02 | SHOULDER RUMBLE STRIPS, 16 IN.  |
| 701101-04 | OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE                   |
| 701106-02 | OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY                              |
| 701400-07 | APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY                                    |
| 701401-08 | LANE CLOSURE, FREEWAY/EXPRESSWAY  |
| 701406-08 | LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY                           |
| 701426-06 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS >= 45 MPH |
| 701901-03 | TRAFFIC CONTROL DEVICES   |
| 780001-04 | TYPICAL PAVEMENT MARKINGS   |
| 781001-03 | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS                         |

## GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS; THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012; AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

THIS PROJECT IS LOCATED ON WEST BOUND I-70 (I-70) IN CUMBERLAND COUNTY, FROM THE EFFINGHAM COUNTY LINE TO 2 MILES EAST OF THE EFFINGHAM COUNTY LINE. THE WORK INCLUDED IN SECTION (18-45)RS-4 CONSISTS OF PATCHING, HOT-MIX ASPHALT SURFACE REMOVAL, HOT-MIX ASPHALT RESURFACING, PAVEMENT MARKING, AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION.

PAVEMENT MARKING SHALL BE APPLIED IN ACCORDANCE WITH SECTION 780 OF THE STANDARD SPECIFICATIONS. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED SURFACE, BITUMINOUS MATERIALS (PRIME COAT), AND HOT-MIX ASPHALT SURFACE COURSE AS SPECIFIED IN SECTION 703 OF THE STANDARD SPECIFICATIONS. TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND HOT-MIX ASPHALT SHOULDERS. PAINT SHALL BE USED ON MILLED SURFACES.

THE TOTAL QUANTITY OF MODIFIED URETHANE PAVEMENT MARKING - LINE 4" CONSISTS OF 10062 FEET OF YELLOW AND 10062 FEET OF WHITE.

THE TOTAL QUANTITY OF PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6" CONSISTS OF 2520 FEET OF WHITE.

THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS DOUBLE MARKERS ON I-70 AS SHOWN ON STANDARD 781001. THE TOTAL QUANTITY OF RAISED REFLECTIVE PAVEMENT MARKERS IS 250 ONE-WAY CRYSTAL.

ALL OF THE EXISTING HMA SHALL BE REMOVED OFF THE ORIGINAL CONCRETE PAVEMENT. THE SHOULDERS SHALL BE MILLED AT INTERMITTENT LOCATIONS TO ALLOW FOR ADEQUATE DRAINAGE. THE LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. THE COST OF ALLOWING ADEQUATE DRAINAGE SHALL BE INCLUDED IN THE COST OF THE PAY ITEMS INVOLVED.

## GENERAL NOTES (Cont'd)

AN ESTIMATED QUANTITY OF HOT-MIX ASPHALT SHOULDERS AND PAVED SHOULDER REMOVAL HAS BEEN INCLUDED FOR ANY NECESSARY SHOULDER REPAIR. THE QUANTITIES SHOWN IN THE PLANS ARE ESTIMATES ONLY, THE FINAL LOCATIONS AND QUANTITIES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE EXISTING PAVEMENT SHALL BE PATCHED IN ACCORDANCE WITH SECTION 442 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS. CLASS A PAVEMENT PATCHING IS INCLUDED FOR PATCHING THE PAVEMENT ON I-70. THE PAVEMENT SHALL BE PATCHED AFTER THE EXISTING HMA HAS BEEN REMOVED FROM THE LANE UNDER CONSTRUCTION. AN ESTIMATED QUANTITY OF HOT-MIX ASPHALT FOR PATCHING POTHOLES (COLD MIX) HAS BEEN INCLUDED FOR ANY NECESSARY POTHOLE PATCHING. THE QUANTITIES OF PATCHING AND POTHOLE PATCHING SHOWN IN THE PLANS ARE ESTIMATES ONLY, THE FINAL LOCATIONS AND QUANTITIES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS.

THE CONTRACTOR WILL BE REQUIRED TO USE A MATERIAL TRANSFER DEVICE AT ALL TIMES WHEN CONSTRUCTING THE POLYMERIZED HMA SURFACE COURSE. STONE MATRIX ASPHALT, N80. THE HMA CROSS SECTION TO BE CONSTRUCTED IS NOT CONSIDERED FULL-DEPTH HMA PAVEMENT.

THE CONTRACTOR SHALL PROVIDE INTERNET ACCESSIBILITY TO THE HOT-MIX ASPHALT PLANT QUALITY CONTROL LAB SO THAT HOT-MIX ASPHALT PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THIS WORK SHALL BE INCLUDED IN THE COST OF ALL HOT-MIX ASPHALT ITEMS.

IN ADDITION TO THE REQUIREMENTS IN ARTICLE 701.15(1), A LAPTOP COMPUTER SHALL BE SUPPLIED BY THE CONTRACTOR.

A UNIFORMLY STRAIGHT SAW CUT SHALL BE MADE AT LOCATIONS WHERE PROPOSED NEW CONSTRUCTION WILL ABUT EXISTING HOT-MIX ASPHALT SURFACES. THE SAW CUT SHALL BE MADE FULL DEPTH THROUGH THE EXISTING SURFACE. THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT ITEMS INVOLVED AND NO EXTRA COMPENSATION WILL BE ALLOWED.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

| APPLICATION  | AC/PG        | DESIGN AIR VOIDS | MIXTURE COMPOSITION | FRICTION AGGREGATE |
|--|--------------|------------------|---------------------|--------------------|
| HMA SURFACE COURSE - POLYMERIZED HMA SURFACE COURSE, SMA, N80                        | SBS PG 76-22 | 4.0% @ N=80      | 1L - 12.5           | N/A                |
| TOP BINDER COURSE LIFT - POLYMERIZED HMA BINDER COURSE, 1L-19.0 FC, N90              | SBS PG 70-22 | 4.0% @ N=90      | 1L - 19.0 FC        | N/A                |
| BINDER COURSE LIFT #1 - HMA BINDER COURSE, 1L-19.0 FC, N90                           | PG 64-22     | 4.0% @ N=90      | 1L - 19.0 FC        | N/A                |
| HMA SHOULDERS - 2" OVERLAY AND REPAIR TOP LIFT (2") HMA SURFACE COURSE, MIX "C", N90 | PG 64-22     | 4.0% @ N=90      | 1L - 9.5            | MIX C              |
| HMA SHOULDER REPAIR (FULL DEPTH) BOTTOM LIFTS - HMA BINDER COURSE, 1L-19.0, N90      | PG 64-22     | 4.0% @ N=90      | 1L - 19.0           | N/A                |

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN THE CALCULATING PLAN QUANTITIES:

|  |                    |
|--|--------------------|
| BITUMINOUS MATERIALS (PRIME COAT)          | 0.05 LBS/SQ FT     |
| BITUMINOUS MATERIALS (PRIME COAT)-FOG COAT | 0.025 LBS/SQ FT    |
| STONE MATRIX HOT-MIX ASPHALT               | 130 LBS/SQ YD/INCH |
| HOT-MIX ASPHALT BINDER                     | 112 LBS/SQ YD/INCH |
| HOT-MIX ASPHALT SHOULDERS                  | 112 LBS/SQ YD/INCH |

|                                       |                           |            |           |   |  |             |            |        |                           |         |        |                 |              |
|---------------------------------------|---------------------------|------------|-----------|---|--|-------------|------------|--------|---------------------------|---------|--------|-----------------|--------------|
| FILE NAME =                           | USER NAME = staffennk     | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>INDEX OF SHEETS AND<br/>GENERAL NOTES</b> |             |            |        | F.A.I.<br>RTE.            | SECTION | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
| c:\pwwork\pwwork\staffennk\0293160\07 | 4386-ah1-index.dgn        | DRAWN -    | REVISED - |   | 70   | (18-45)RS-4 | CUMBERLAND | 17     | 2                         |         |        |                 |              |
| Default                               | PLOT SCALE = 1/8" = 1'-0" | CHECKED -  | REVISED - |   | CONTRACT NO. 74386                           |             |            |        | ILLINOIS FED. AID PROJECT |         |        |                 |              |
|                                       | PLOT DATE = 5/9/2014      | DATE -     | REVISED - |   | SCALE: N/A                                   | SHEET 1     | OF 1       | SHEETS | STA.                      | TO STA. |        |                 |              |