

INDEX OF SHEETS

| SHEET NO. | ITEM |
|-----------|---|
| 1 | COVER SHEET |
| 2 | INDEX OF SHEETS, GENERAL NOTES, & HIGHWAY STANDARDS |
| 3-4A | SUMMARY OF QUANTITIES |
| 5 | TYPICAL SECTIONS |
| 6 | SCHEDULES OF QUANTITIES |
| 7-9 | PLAN & PROFILE SHEETS |
| 10-12 | STAGE CONSTRUCTION DETAILS |
| 13 | EROSION CONTROL & DRAINAGE PLAN |
| 14 | MISCELLANEOUS DETAILS |
| 15-20 | STRUCTURE PLAN SHEETS & DETAILS |
| 21 | SHEET PILING WALL DETAILS |
| 22 | BAR SPLICER ASSEMBLY DETAILS |
| 23 | TEMPORARY CONCRETE BARRIER DETAILS |
| 24 | SOIL BORING LOGS |
| 25-28 | EXISTING STRUCTURE PLANS |
| 29-34 | CROSS SECTIONS |

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 34:

| 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 |
| 280001-07 | TEMPORARY EROSION CONTROL SYSTEMS |
| 515001-03 | NAME PLATE FOR BRIDGES |
| 630001-10 | STEEL PLATE BEAM GUARDRAIL |
| 630201-06 | PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL |
| 630301-06 | SHOULDER WIDENING FOR TYPE I (SPECIAL) GUARDRAIL TERMINALS |
| 635001-01 | DELINEATORS |
| 635006-03 | REFLECTOR AND TERMINAL MARKER PLACEMENT |
| 635011-02 | REFLECTOR MARKER AND MOUNTING DETAILS |
| 701001-02 | OFF-ROAD OPERATIONS, 2L2W, 15' MINIMUM AWAY FROM PAVEMENT EDGE |
| 701006-05 | OFF-ROAD OPERATIONS, 2L2W, 15' AWAY TO EDGE OF PAVEMENT |
| 701011-04 | OFF-ROAD MOVING OPERATIONS, 2L2W, DAY ONLY |
| 701201-04 | LANE CLOSURE, 2L2W, DAY ONLY |
| 701301-04 | LANE CLOSURE, 2L2W, SHORT TIME OPERATIONS |
| 701311-03 | LANE CLOSURE, 2L2W, MOVING OPERATIONS - DAY ONLY |
| 701321-13 | LANE CLOSURE, 2L2W, BRIDGE REPAIR WITH BARRIER |
| 701326-04 | LANE CLOSURE, 2L2W, PAVEMENT WIDENING |
| 701901-03 | TRAFFIC CONTROL DEVICES |
| 704001-07 | TEMPORARY CONCRETE BARRIER |
| 720001-01 | SIGN PANEL MOUNTING DETAILS |
| 720006-04 | SIGN PANEL ERECTION DETAILS |
| 720011-01 | METAL POSTS FOR SIGNS, MARKERS, & DELINEATORS |
| 729001-01 | APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS) |
| 780001-04 | TYPICAL PAVEMENT MARKINGS |
| 781001-03 | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS |
| 442201-03 | CLASS C AND D PATCHES |

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 FAP 781 (ILLINOIS ROUTE 33) AT STRUCTURE NUMBER 051-0035. STRUCTURE NUMBER 051-0035 IS LOCATED 1.5 MILES SOUTH OF THE CRAWFORD COUNTY LINE IN LAWRENCE COUNTY. THE WORK INCLUDED IN SECTION 109B-1 CONSISTS OF BASE COURSE WIDENING, STRUCTURE REMOVAL, BOX CULVERT CONSTRUCTION, EARTHWORK, PAVEMENT MARKING, TRAFFIC CONTROL, AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION.

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIAL. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. THE CONTRACTOR WILL BE PAID FOR THE QUANTITY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE. FIELD MARKINGS OF UTILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 96 HOURS ADVANCE NOTICE THROUGH THE J.U.L.I.E. SYSTEM BY CALLING 800-892-0123.

ANY EXCAVATION NECESSARY FOR CONSTRUCTION OF THE PCC BASE COURSE WIDENING, 8" SHALL BE INCLUDED IN THE COST OF THE PCC BASE COURSE WIDENING, 8" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. PCC BASE COURSE WIDENING EXCEEDING 6' IN WIDTH SHALL BE PAID FOR AS PCC BASE COURSE WIDENING OF THE THICKNESS SPECIFIED.

PCC BASE COURSE WIDENING SHALL BE MILLED TO THE SAME DEPTH AS THE ADJACENT ROADWAY TO FACILITATE CONSTRUCTION OF HMA SHOULDERS. THIS WORK WILL BE PAID FOR AS PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH). MILLING BUTT JOINTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH.

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

REMOVAL OF TEMPORARY CONCRETE BARRIER FROM THE PROJECT SITE SHALL BE CONSIDERED INCLUDED IN THE TEMPORARY CONCRETE BARRIER PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR REMOVING THE TEMPORARY CONCRETE BARRIER.

THE PAY ITEM TEMPORARY RAMP HAS BEEN INCLUDED FOR THE CONSTRUCTION OF TEMPORARY RAMPS IN ACCORDANCE WITH ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS. THE COST PER SQUARE YARD SHALL INCLUDE BOTH THE INSTALLATION AND THE REMOVAL OF THE TEMPORARY RAMPS.

THE ENGINEER SHALL BE THE SOLE JUDGE REGARDING THE CURING TIMES FOR ALL HOT-MIX ASPHALT.

EXISTING TRAFFIC BARRIER TERMINALS TO BE REMOVED SHALL BE PAID FOR AS GUARDRAIL REMOVAL.

ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.

THE CONTRACTOR WILL BE REQUIRED TO MODIFY THE EXISTING CHANNEL, AS DIRECTED BY THE ENGINEER, TO MATCH BOTH ENDS OF THE PROPOSED BOX CULVERT. THE COST SHALL BE INCLUDED IN THE PAY ITEM FOR STONE RIPRAP, CLASS A4.

GENERAL NOTES (Cont'd)

SHORT-TERM PAVEMENT MARKING ON MILLED SURFACES SHALL BE PAINT. SHORT-TERM PAVEMENT MARKING ON THE HMA SURFACE COURSE SHALL BE TAPE.

PAVEMENT MARKING SHALL BE APPLIED IN ACCORDANCE WITH SECTION 780 OF THE STANDARD SPECIFICATIONS.

THE TOTAL QUANTITY OF PAINT PAVEMENT MARKING-LINE 4" CONSISTS OF 909 FEET OF WHITE AND 200 FEET OF YELLOW.

ALL RAISED REFLECTIVE PAVEMENT MARKERS ARE TWO-WAY AMBER MARKERS.

LENSES ON THE RAISED REFLECTIVE PAVEMENT MARKERS IN THE TAPER AREAS SHALL BE REMOVED. REMOVING, STORING, AND REINSTALLATION OF THE LENSES SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

| | |
|----------------------|--|
| MIXTURE USE: | SURFACE COURSE (1 1/2") |
| APPLICATION: | HOT MIX ASPHALT SURFACE COURSE, MIX "C", N70 |
| PG GRADE: | PG 64-22 |
| DESIGN AIR VOIDS: | 4.0% @ NDESIGN = 70 |
| MIXTURE COMPOSITION: | IL-9.5 |
| FRICTION AGGREGATE: | MIXTURE C |

| | |
|----------------------|-----------------------------|
| MIXTURE USE: | HMA BASE COURSE (10") |
| APPLICATION: | HOT MIX ASPHALT BASE COURSE |
| PG GRADE: | PG 64-22 |
| DESIGN AIR VOIDS: | 4.0% @ NDESIGN = 70 |
| MIXTURE COMPOSITION: | IL-19.0 |
| FRICTION AGGREGATE: | N/A |

| | |
|----------------------|---------------------------|
| MIXTURE USE: | HMA SHOULDERS |
| APPLICATION: | HOT MIX ASPHALT SHOULDERS |
| PG GRADE: | PG 64-22 |
| DESIGN AIR VOIDS: | 4.0% @ NDESIGN = 30 |
| MIXTURE COMPOSITION: | IL-19.0L |
| FRICTION AGGREGATE: | N/A |

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

| | |
|-----------------------------------|--------------------|
| AGGREGATE MATERIALS | 2.05 TONS/CU YD |
| BITUMINOUS MATERIALS (PRIME COAT) | 0.05 LBS/SQ FT |
| HOT-MIX ASPHALT | 112 LBS/SQ YD/INCH |

HMA MIXTURES REQUIREMENTS

| MIXTURE USE: | SURFACE COURSE | BASE COURSE, 10" | HOT-MIX ASPHALT SHOULDERS |
|----------------------|--|-----------------------------|---------------------------|
| APPLICATION: | HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 | HOT-MIX ASPHALT BASE COURSE | HOT-MIX ASPHALT SHOULDERS |
| PG GRADE: | PG64-22 | PG64-22 | PG64-22 |
| DESIGN AIR VOIDS: | 4.0% AT NDESIGN = 70 | 4.0% AT NDESIGN = 70 | 4.0% AT NDESIGN = 30 |
| MIXTURE COMPOSITION: | IL-9.5 | IL-19.0 | IL-19.0L |
| FRICTION AGGREGATE: | MIXTURE C | NA | NA |