

GENERAL NOTES

1) THE THICKNESS OF HOT-MIX ASPHALT MIXTURE 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 HOT-MIX ASPHALT MIXTURE IS PLACED.

2) FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:
 ALL HOT-MIX ASPHALT: 2.016 TONS / CU YD
 HOT-MIX ASPHALT MATERIALS ON PAVEMENT: 0.09 GAL / SQ YD
 AGGREGATE (PRIME COAT): 0.0015 TONS / SQ YD
 ALL AGGREGATE: 2.05 TONS / CU YD
 RIP RAP: 1.50 TONS / CU YD

3) IN ADDITION TO THE REQUIREMENTS OF ARTICLE 107.16 THE CONTRACTOR SHALL PROTECT THE SURFACE OF ALL BRIDGE DECK AND BRIDGE APPROACH PAVEMENTS IN A MANNER SATISFACTORY TO THE ENGINEER BEFORE ANY EQUIPMENT IS ALLOWED TO CROSS THE STRUCTURES. PROTECTION SHALL BE PROVIDED FOR ALL EQUIPMENT AS DEFINED IN ARTICLE 107.17 REGARDLESS IF TRACK MOUNTED OR WHEELED.

4) ALL OBSTRUCTIONS WHICH ARE WITHIN THE CLEAR ZONE SHOWN ON THE TYPICAL SECTION, AND ARE NOT SHIELDED BY THE PROPOSED GUARDRAIL, SHALL BE REMOVED WITHIN PROJECT LIMITS. TYPICAL OBSTRUCTIONS ARE HEADWALLS, FOUNDATIONS, ETC. WHICH PROJECT 4 INCHES OR MORE ABOVE THE GROUND LINE; AND TREES WHICH WILL MATURE TO A DIAMETER OF 100 mm (4 IN) OR GREATER.

5) TREES SHALL BE PRESERVED THROUGHOUT THIS SECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. GENERALLY, TREES OUTSIDE THE CLEAR ZONE, AND WHICH DO NOT INTERFERE WITH CONSTRUCTION, SHALL NOT BE DISTURBED.

6) PRIOR TO THE PLACEMENT OF THE FINAL PAVEMENT MARKINGS, THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

7) ATTAINMENT OF PROPER CROWN SHALL BE FULLY ACCOMPLISHED WITH THE HOT-MIX ASPHALT BINDER COURSE.

8) IF SO DIRECTED BY THE ENGINEER, DITCHES ADJACENT TO EMBANKMENTS SHALL BE CONSTRUCTED PRIOR TO STARTING THE CONSTRUCTION OF THE EMBANKMENT FILL.

9) THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8%. THE SHOULDER ON THE OUTSIDE OF SUPERELEVATED CURVES SHALL BE FLATTENED ACCORDINGLY.

10) THE ONLY TEMPORARY EASEMENT THAT MAY BE USED BY THE CONTRACTOR IS THE TEMPORARY EASEMENT SHOWN ON THE PLAN/PROFILE SHEETS (SHEETS 13-15) AND THE ROW SHEETS (SHEETS 21, 22).

11) THE REMOVAL OF EXISTING ENTRANCE PIPE CULVERTS ENCASED IN CONCRETE WILL BE CONSIDERED INCLUDED IN THE OTHER ITEMS OF CONSTRUCTION IF ONLY THE ENDS OF THE CULVERT (2 FT OR LESS) ARE ENCASED. IF MORE THAN 2FT AT THE ENDS OF THE CULVERT ARE ENCASED IN CONCRETE, THE REMOVAL WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

12) THE ENGINEER SHALL BE THE SOLE JUDGE AS TO THE FINAL PLACEMENT OF ALL PROPOSED TREE PLANTINGS.

13) TO MINIMIZE THE TIME THAT THE EMBANKMENT IS EXPOSED, THE REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FROM STA 1116+00 TO STA 1117+75 SHALL BE COMPLETED IN ONE CONTINUOUS OPERATIONS WITH NO LENGTHY PERIODS OF SHUTDOWN ALLOWED.

14) COMMITMENTS: AS AGREED TO WITH THE PROPERTY OWNER AND AS DETAILED IN THE PLANS, "A NEW ENTRANCE AND CULVERT WILL BE CONSTRUCTED AT ± STA. 1127+50 RT. AND A NEW CULVERT WILL BE CONSTRUCTED UNDER THE EXISTING ENTRANCE AT ± STA. 1130+00 RT. THE SIDE DITCH WOULD ALSO BE GRADED/SHAPED FROM STA. 1127+00 RT. TO STA. 1131+00 RT.

MIXTURE REQUIREMENTS

| | |
|------------------------------------------|--------------------------------------------------------|
| LOCATION(S): | HOT-MIX ASPHALT SURFACE COURSE, IL 4 |
| MIXTURE USE(S): | POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX C, N90 |
| AC/PG: | SBS PG76-22 |
| RAP% (MAX): | 0 |
| DESIGN AIR VOIDS: | 4.0%, 90 GYRATION DESIGN |
| MIXTURE COMPOSITION: (GRADATION MIXTURE) | IL-9.5 MM OR 12.5 MM |
| FRICITION AGGREGATE: | C SURFACE |

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|------------------------------------------|------------------------------------------|
| LOCATION(S): | HOT-MIX ASPHALT SHOULDERS, IL 4 & DETOUR |
| MIXTURE USE(S): | HOT-MIX ASPHALT SHOULDER, N30 |
| AC/PG: | PG58-22 |
| RAP% (MAX): | 50 |
| DESIGN AIR VOIDS: | 2.0%, 30 GYRATION DESIGN |
| MIXTURE COMPOSITION: (GRADATION MIXTURE) | HMA SHOULDERS |
| FRICITION AGGREGATE: | NONE |

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|------------------------------------------|---------------------------------------------------------|
| LOCATION(S): | HOT-MIX ASPHALT BINDER COURSE (TOP LIFT), IL 4 |
| MIXTURE USE(S): | POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0 |
| AC/PG: | SBS PG76-22 |
| RAP% (MAX): | 0 |
| DESIGN AIR VOIDS: | 4.0%, 90 GYRATION DESIGN |
| MIXTURE COMPOSITION: (GRADATION MIXTURE) | IL-19.0 |
| FRICITION AGGREGATE: | NONE |

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|------------------------------------------|---------------------------------------------------|
| LOCATION(S): | HOT-MIX ASPHALT BINDER COURSE (LOWER LIFTS), IL 4 |
| MIXTURE USE(S): | HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0 |
| AC/PG: | PG64-22 |
| RAP% (MAX): | 10 |
| DESIGN AIR VOIDS: | 4.0%, 90 GYRATION DESIGN |
| MIXTURE COMPOSITION: (GRADATION MIXTURE) | IL-19.0 |
| FRICITION AGGREGATE: | NONE |

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|------------------------------------------|---------------------------------------|
| LOCATION(S): | LEVELING BINDER, HMA SURFACE, DETOUR |
| MIXTURE USE(S): | LEVELING BINDER (MACHINE METHOD), N90 |
| AC/PG: | PG64-22 |
| RAP% (MAX): | 10% |
| DESIGN AIR VOIDS: | 4.0%, 90 GYRATION DESIGN |
| MIXTURE COMPOSITION: (GRADATION MIXTURE) | IL-9.5 MM OR 12.5 MM |
| FRICITION AGGREGATE: | C SURFACE |

STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 280001-06 TEMPORARY EROSION CONTROL SYSTEMS
- 420001-07 PAVEMENT JOINTS
- ~~420401-08~~ BRIDGE APPROACH PAVEMENT CONNECTOR
- 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 482006-03 HMA SHOULDER ADJACENT TO RIGID PAVEMENT
- 515001-03 NAME PLATES FOR BRIDGES
- 542401-01 METAL END SECTIONS FOR CULVERTS
- ~~60101-01~~ CONCRETE HEADWALL FOR PIPE DRAIN
- 630001-10 STEEL PLATE BEAM GUARDRAIL
- 630201-06 PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
- 630301-05 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 631031-10 TRAFFIC BARRIER TERMINAL, TYPE 6
- 635006-03 REFLECTOR AND TERMINAL MARKER REPLACEMENT
- 635011-02 REFLECTOR MARKER AND MOUNTING DETAILS
- 666001-01 RIGHT OF WAY MARKERS
- 701001-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 4.5m (15') AWAY
- 701006-03 OFF-RD OPERATIONS, 2L, 2W, 4.5m (15') TO 600mm (24") FROM PVT. EDGE
- 701011-02 OFF RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY FOR SPEEDS > 45 MPH
- 701311-03 LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
- 701901-02 TRAFFIC CONTROL DEVICES
- 780001-03 TYPICAL PAVEMENT MARKINGS
- BLR 21-9 TYP. APP. OF TRAFFIC CONTROL DEVICES FOR CONSTR. ON RURAL LOCAL HIGHWAYS.

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DATE: Oct 15th 2011

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| USER NAME = halsteadw | DESIGNED - | REVISED - |
| PLDT SCALE = 50,0000 / in | DRAWN - | REVISED - |
| PLDT DATE = 10/14/2011 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MIX REQUIREMENTS, GENERAL NOTES, STANDARDS

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

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|---------------------------|----------------|----------------|------------------|--------------------|
| F.A.P. RTE. 686 | SECTION 114B-1 | COUNTY JACKSON | TOTAL SHEETS 114 | SHEET NO. 2 |
| | | | | CONTRACT NO. 78049 |
| ILLINOIS FED. AID PROJECT | | | | |