

# HIGHWAY STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 202001-01 EARTH MEDIAN DITCH CHECK
- 280001-05 TEMPORARY EROSION CONTROL SYSTEMS
- 420001-07 PAVEMENT JOINTS
- 420206-08 ENTRANCE RAMP TERMINAL (JOINTED PCC RAMP PAVEMENT ADJACENT TO CRC MAINLINE PAVEMENT)
- 420306-06 EXIT RAMP TERMINAL (JOINTED PCC RAMP PAVEMENT ADJACENT TO CRC MAINLINE PAVEMENT)
- 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 482006-03 HMA SHOULDER ADJACENT TO RIGID PAVEMENT
- 483001-04 PCC SHOULDER
- 542311-01 GRATING FOR CONCRETE FLARED END SECTION (FOR 24" (600 mm) THRU 54" (1350 mm) PIPE)
- 542401-01 METAL END SECTION FOR PIPE CULVERTS
- 542601-02 REINFORCED CONCRETE PIPE ELBOW
- 601001-03 SUB-SURFACE DRAINS
- 601101-01 CONCRETE HEADWALL FOR PIPE DRAIN
- 602106-01 DRAINAGE STRUCTURES, TYPES 4, 5, & 6
- 602301-02 INLET, TYPE A
- 602306-02 INLET, TYPE B
- 602401-02 MANHOLE, TYPE A
- 602416-01 MANHOLE, TYPE A, 8' (2.4 m) DIAMETER
- 602601-02 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
- 602701-02 MANHOLE STEPS
- 604001-03 FRAME AND LIDS, TYPE 1
- 604071-04 FRAME AND GRATE, TYPE 20
- 604091-02 FRAME AND GRATE, TYPE 24
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
- 606301-04 PC CONCRETE ISLANDS AND MEDIANS
- 606306-03 CORRUGATED PC CONCRETE MEDIANS
- 606401-01 PAVED DITCH
- 630001-08 STEEL PLATE BEAM GUARDRAIL
- 630201-06 PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
- 630301-05 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 631011-06 TRAFFIC BARRIER TERMINAL, TYPE 2
- 631026-05 TRAFFIC BARRIER TERMINAL, TYPE 5
- 631031-08 TRAFFIC BARRIER TERMINAL, TYPE 6
- 635001-01 DELINEATORS
- 635006-03 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 635011-02 REFLECTOR MARKER AND MOUNTING DETAILS
- 637006-02 CONCRETE BARRIER, DOUBLE FACE, 42 in. (1065 mm) HEIGHT
- 642001-01 SHOULDER RUMBLE STRIPS
- 666001-01 RIGHT OF WAY MARKERS
- 665001-02 WOVEN WIRE FENCE
- 701006-03 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701101-02 OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
- 701326-03 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS >45 MPH
- 701402-07 LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
- 701426-03 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > 45 MPH
- 701451-01 RAMP CLOSURE FREEWAY/EXPRESSWAY
- 701901-01 TRAFFIC CONTROL DEVICES
- 704001-06 TEMPORARY CONCRETE BARRIER
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-02 SIGN PANEL ERECTION DETAIL
- 720011-01 METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
- 720021-02 SIGN PANELS EXTRUDED ALUMINUM TYPE
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 825016 LIGHTING CONTROLLER 480V, PEDESTAL MOUNTED
- 825026 LIGHTING CONTROLLER 480V, BASE MOUNTED
- 836001 LIGHT POLE FOUNDATION
- 837001 LIGHT TOWER FOUNDATION
- 878001-08 CONCRETE FOUNDATION DETAILS
- 701400-04 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY**

# DISTRICT STANDARDS

- 251-2 DETAIL OF EROSION CONTROL BLANKET LINING AROUND END SECTION
- 406-8 HMA DETAIL AT BUTT JOINTS
- 406-11 BUTT JOINT DETAILS
- 550-1 CONC. COLLAR FOR SEWER CONNECTION
- 601-2 SLOTTED DRAIN PIPE
- 606-1 ISLAND DETAIL
- 611-1 FIELD TILE DETAILS
- 611-2 FIELD TILE DETAILS
- 701-1 TOTAL INTERSTATE CLOSURE AT NIGHT
- 701-10 STANDARD 701400 (SPECIAL)
- 703-1 SHORT TERM PAVEMENT MARKING
- 780-1 TYPICAL APPLICATION @ LEFT TURN LANES
- 780-5 ADVANCE AND INTERSECTION LANE DIVIDER LINES
- 780-6 INTERSTATE RAMP TRANSITION LINE
- 780-10 TYPICAL PLACEMENT OF ARROWS IN TURN LANES
- 780-12 RAMP PAVEMENT MARKING
- 780-19 LEFT TURN LANE WITH APPROACH MEDIAN
- 780-20 LETTER AND ARROW GRID SCALE
- 780-21 TYPICAL ISLAND
- 781-1 RAISED REFLECTIVE PAVEMENT MARKERS
- 782-1 PRISMATIC CURB REFLECTORS AT CURB MEDIANS
- 782-2 PRISMATIC REFLECTORS
- 782-4 BARRIER WALL MARKER

# GENERAL NOTES

1. THE THICKNESS OF HMA 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 HMA IS PLACED.
2. THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.
3. THE BASE COURSE WIDENING SHALL BE CARRIED THROUGH ALL ENTRANCES, SIDE ROADS, AND MAILBOX TURNOUTS. EXCEPTIONS WILL BE SHOWN ON THE PLANS.
4. EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
5. BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
6. THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.
7. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
8. SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.
9. ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
10. ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.
11. ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.
12. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
13. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
14. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

| MATERIAL                                      | THICKNESS | UNIT                       |
|---|-----------|----------------------------|
| GRANULAR MATERIALS                            | 2.05      | TONS / CU YD               |
| BIT MATERIALS (PRIME COAT) ON AGGREGATE BASES | 0.375     | GAL / SQ YD                |
| BITUMINOUS MATERIALS (PRIME COAT)             | 0.08      | GAL / SQ YD                |
| POLYMERIZED BIT MATERIALS (PRIME COAT)        | 0.10      | GAL / SQ YD                |
| FOR ADDITIONAL HMA LIFTS "FOG COAT"           | 0.08      | GAL / SQ YD                |
| FOR ADDITIONAL HMA LIFTS "FOG COAT"           | 0.05      | GAL / SQ YD                |
| AGGREGATE PRIME COAT                          | 0.002     | TONS / SQ YD               |
| HMA RESURFACING                               | 112       | LBS / SQ YD / IN           |
| SHORT TERM PAVEMENT MARKING                   | 10        | FT / 100 FT OF APPLICATION |
| MIX FOR CRACKS, JTS & FLGWYS                  | 0.0003    | TONS / SQ YD               |
| LEVEL BINDER (HAND METHOD)                    | 0.0005    | TONS / SQ YD               |
| SUPPLEMENTAL WATERING                         | 3         | GAL / SQ YD / APPLICATION  |
| CALCIUM CHLORIDE                              | 2         | LB / SQ YD / APPLICATION   |
| TEMPORARY DITCH CHECKS                        | 5         | TONS AGGREGATE             |

15. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.
16. ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.
17. THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.
18. MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE: COMCAST, AT&T, AND COMED
19. NON-MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE: NONE
20. THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.
21. 246 QUANTITY OF THE DELINEATORS ARE PROVIDED FOR INSTALLATION ACCORDING TO THE HIGHWAY STANDARD 635001-01.
22. 730 SQ YD OF STABILIZED CONSTRUCTION ENTRANCE HAS BEEN PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. ALL ADDITIONAL QUANTITIES MUST BE APPROVED IN WRITING BY THE ENGINEER.
23. THE CONTRACTOR SHALL PROVIDE PERMANENT LIGHTING FOR I-80 AND ALL RAMPS PRIOR TO BEAM REMOVAL OR BEAM SETTING OPERATIONS.
24. TEMPORARY CONCRETE BARRIER FOR CENTER PIER CONSTRUCTION MUST BE PLACED/REMOVED DURING OFF-PEAK HOURS. PEAK HOURS ARE 5AM TO 12 NOON FOR EASTBOUND I-80 AND 12 NOON TO 8PM FOR WESTBOUND I-80.
25. THE CONTRACTOR SHALL CLOSE BRISBIN RD (NORTH OF US6) TO TRAFFIC ON MARCH 1, 2011 BEFORE I-80 STAGE 2 CONSTRUCTION AND REOPEN BRISBIN RD (NORTH OF US6) TO TRAFFIC ON DECEMBER 15, 2011 AFTER I-80 STAGE 7 CONSTRUCTION.

# COMMITMENTS

1. THERE IS A WETLAND IN THE PROJECT AREA WHICH IS SHOWN ON THE PLANS. NO CONSTRUCTION ACTIVITIES, INCLUDING EQUIPMENT AND MATERIAL STORAGE, OR DRIVING OF VEHICLES AND EQUIPMENT SHALL TAKE PLACE BEYOND THE CONSTRUCTION LIMITS SHOWN ON THE CONTRACT PLANS SO AS TO AVOID ANY WETLAND IMPACTS.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

PREPARED BY: Dan Bloom  
Acting DISTRICT STUDIES & PLANS ENGINEER

DATE: 6-25-10

EXAMINED BY: Herbert K. Jung  
DISTRICT CONSTRUCTION ENGINEER

Tom P. Phillips  
DISTRICT MATERIALS ENGINEER

James A. Huchens  
DISTRICT OPERATIONS ENGINEER

\* FAI 80 & FAS 297 / FAU 392

| FILE NAME                                | USER NAME | DESIGNED  | REVISED | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | HIGHWAY STANDARDS,<br>GENERAL NOTES AND COMMITMENTS | F.A.U.<br>RTE.            | SECTION                   | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|--|-----------|-----------|---------|---|---|---------------------------|---------------------------|--------|-----------------|--------------|
| t:\1812\CAD\Sheets\6366408-shr-gonno.dgn | .USER.    | CGC       |         |   |   | *                         | (32,47-4) HBK-4 & G(N)    | GRUNDY | 351             | 2            |
|  |           | DRAWN     | REVISED |   |   |                           |                           |        |                 |              |
|  |           | CHECKED   | REVISED |   |   |                           |                           |        |                 |              |
|  |           | DATE      | REVISED |   |   |                           |                           |        |                 |              |
|  |           | 5/20/2010 |         |   |   |                           |                           |        |                 |              |
|  |           |           |         |   |   | SCALE: NONE               | SHEET NO. 2 OF 351 SHEETS | STA.   | TO STA.         |              |
|  |           |           |         |   |   | ILLINOIS FED. AID PROJECT |                           |        |                 |              |
|  |           |           |         |   |   | CONTRACT NO. 66408        |                           |        |                 |              |