

HIGHWAY STANDARDS

| | |
|-----------|---|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001001-02 | AREAS OF REINFORCEMENT BARS |
| 001005 | DECIMAL OF AN INCH AND OF A FOOT |
| 280001-07 | TEMPORARY EROSION CONTROL SYSTEMS |
| 542201-02 | REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 15" - 36" IN DIA AT RT ANGLE WITH ROADWAY |
| 542206-02 | REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 42" - 60" IN DIA AT RT ANGLE WITH ROADWAY |
| 542301-03 | PRECAST REINFORCED CONCRETE FLARED END SECTION |
| 542401-01 | METAL END SECTION FOR PIPE CULVERTS |
| 542501-02 | INLET BOX TYPE 24 (600) A |
| 542536-03 | INLET BOX TYPE 36 (900) A |
| 602306-03 | INLET - TYPE B |
| 602401-03 | MANHOLE TYPE A |
| 602601-02 | PRECAST REINFORCED CONCRETE FLAT SLAB TOP |
| 602701-02 | MANHOLE STEPS |
| 604001-03 | FRAME AND LIDS TYPE 1 |
| 630301-06 | SHOULDER WIDENING FOR TYPE I (SPECIAL) GUARDRAIL TERMINALS |
| 666001-01 | RIGHT OF WAY MARKERS |
| 701001-02 | OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY |
| 701006-04 | OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE |
| 701011-03 | OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED |
| 701901-03 | TRAFFIC CONTROL DEVICES |

GENERAL NOTES

- ILLINOIS STATE LAW REQUIRES A 48 - HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - AmeronCIPS - ELECTRIC
 - AmeronIP - GAS
 - AT&T ILLINOIS - COMMUNICATIONS
 - ILLINOIS AMERICAN WATER COMPANY - WATER
 - OWEST SOLUTIONS CENTER - COMMUNICATIONS
 - SHO-ME TECHNOLOGIES - COMMUNICATIONS
 - CHARTER COMMUNICATIONS
 - CLEARWAVE COMMUNICATIONS
 - CITY OF EAST ST. LOUIS
 - LEVEL 3 COMMUNICATIONS
 - SPRINT / NEXTEL
 - 360 NETWORKS INC.
 - EAST ST. LOUIS - SEWER
 - METRO EAST SANITARY DISTRICT (M.E.S.D.) - CAHOKIA CANAL
- MEMBERS OF J.U.L.I.E. (800-892-0123, OR 811) ARE INDICATED BY AN *.
NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
- THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO THE SPECIAL PROVISIONS FOR POTENTIAL UTILITY CONFLICTS.
- THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO THE FACT THAT THERE ARE WATER MAINS MAINTAINED BY THE ILLINOIS AMERICAN WATER COMPANY (IAWC) AND/OR PRIVATE OWNERS WITHIN THE R.O.W. THE CONTRACTOR SHALL LOCATE THE WATER MAIN LOCATIONS IN CONJUNCTION WITH IAWC AND/OR PRIVATE OWNERS PRIOR TO COMMENCEMENT OF CONSTRUCTION IN THESE AREAS.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED - ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL OVERHEAD, SURFACE, AND UNDERGROUND UTILITIES AND DISTRICT 8 ITS LINES/EQUIPMENT WITHIN THE PROJECT LIMITS WHETHER OR NOT THE UTILITIES ARE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED OR RELOCATED BY THE CONTRACTOR AT HIS/ HER OWN EXPENSE. ANY UTILITY OR DISTRICT 8 ITS EQUIPMENT THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED OR RELOCATED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.

GENERAL NOTES (CONTINUED)

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE CITY OF EAST ST. LOUIS FIRE AND POLICE DEPARTMENTS, AND MESO 14 WORKING DAYS PRIOR TO START OF CONSTRUCTION IN ORDER TO REVIEW AND COORDINATE THE CONSTRUCTION SCHEDULE.
EAST ST. LOUIS FIRE DEPT. CHIEF THOMAS GRIMMETT (618) 482-6875.
EAST ST. LOUIS POLICE DEPT. CHIEF LENZIE STEWART (618) 482-6740 OR 482-6700.
METRO EAST SANITARY DISTRICT (MESD) BOB SHIPLEY - (618) 452-9400
- CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE STATE ARCHAEOLOGICAL COORDINATOR - JOSEPH M. GALLOY, Ph.D., RPA (618) 251-3922 - 14 WORKING DAYS PRIOR TO START OF ANY PAVEMENT OR FOUNDATION REMOVAL.
- THE EXISTING TOPOGRAPHY SHOWN ON THE PLANS REFLECTS THE FINAL CONDITION AFTER THE COMPLETION OF CONTRACT 76E06 AND 76D05 NEAR ST. CLAIR AVENUE (IL RTE 3), AND DOES NOT NECESSARILY REFLECT CURRENT FIELD CONDITIONS.
- ALL MANHOLE LIDS OR INLET GRATES THAT ARE REMOVED DURING THIS CONTRACT SHALL REMAIN PROPERTY OF THE ILLINOIS DEPT. OF TRANSPORTATION AND SHALL BE REMOVED WITHOUT DAMAGE AND TRANSPORTED TO THE FOLLOWING ADDRESS: BOWMAN AVE. PUMP STATION, 728 EXCHANGE AVE., EAST ST. LOUIS, ILLINOIS - IF THERE ARE ANY QUESTIONS PLEASE CONTACT PETE SAWYER AT 618-346-3275.
- RIGHT OF WAY MARKERS SHALL BE INSTALLED SO THE BACK OF THE POST IS TWELVE (12") INCHES INSIDE THE RIGHT OF WAY BOUNDARY, THE RIGHT OF WAY MARKER SHALL BE A WITNESS TO THE RIGHT OF WAY CORNER WHICH IS THE PROPERTY PIN. THE RIGHT OF WAY CORNER OR PROPERTY PIN IS A 3/8" IRON ROD WITH IDOT ALUMINUM CAP THAT SHALL NOT BE REMOVED, DAMAGED OR DISTURBED WHEN SETTING THE RIGHT OF WAY MARKERS AT THE TWELVE INCH (12") OFFSET.
- ABBREVIATIONS: T.E. = TEMPORARY EASEMENT, P.E. = PERMANENT EASEMENT, PRCFES = PRECAST REINFORCED CONCRETE FLARED END SECTION, TBF = TRENCH BACKFILL.
- THE CONTRACTOR SHALL USE CAUTION WHEN EXCAVATING NEAR ANY RAILROAD LINE.
- IF THE CONTRACTOR ENCOUNTERS PREVIOUSLY UNIDENTIFIED UTILITIES DURING EXCAVATION, THE CONTRACTOR SHALL FIRST HAVE THE UTILITY COMPANY DETERMINE IF THE UTILITY IS ABANDONED. IF THE UTILITY IS ABANDONED, THE CONTRACTOR SHALL REMOVE THE PORTIONS OF THE UTILITY THAT CONFLICT WITH CONSTRUCTION OPERATIONS AND DISPOSE OF THE REMOVED UTILITY OUTSIDE OF THE STATE RIGHT OF WAY. THIS WORK SHALL BE PAID FOR PER ARTICLE 109.04. IF THE UTILITY IS NOT ABANDONED, THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY AND REQUEST THAT THE SERVICE BE TERMINATED OR RELOCATED TO THE SATISFACTION OF THE ENGINEER SO THAT THE PORTIONS OF THE UTILITY THAT CONFLICT WITH CONSTRUCTION OPERATIONS CAN BE REMOVED. THE DISPOSAL OF THE REMOVED UTILITY SHALL BE OUTSIDE OF THE STATE RIGHT OF WAY. THIS WORK SHALL BE PAID FOR PER ARTICLE 109.04.
- THE ILLINOIS DEPARTMENT OF TRANSPORTATION STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS.
- PLEASE CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRAINAGE THROUGH OUT THE CONSTRUCTION PROJECT. THE EMBANKMENT SURFACES SHALL BE SLOPED TO DRAIN OFF THE EMBANKMENT TO SIDE SLOPES OR MEDIAN DITCHES. MEDIAN DITCHES SHALL BE GRADED TO DRAIN ACROSS THE EMBANKMENT UNTIL SUCH TIME AS THE MEDIAN INLETS ARE INSTALLED AND FUNCTIONAL. DITCHES ALONG THE SIDES OF THE EMBANKMENT SHALL BE GRADED TO DRAIN THROUGH THE EMBANKMENT UNTIL SUCH TIME THAT PIPE CULVERTS ARE INSTALLED AND FUNCTIONAL. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN EARTH EXCAVATION AND/OR FURNISHED EXCAVATION.
- THE WORK DESCRIBED ON THE EROSION CONTROL AND SEDIMENT CONTROL SHEETS IS AN INTEGRAL PART OF THE STORM WATER POLLUTION PREVENTION PLAN USED TO OBTAIN THE NPDES PERMIT FROM IEPA FOR THE CONSTRUCTION OF THIS PROJECT.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ARTICLE 280.03 OF THE STANDARD SPECIFICATIONS WHICH STATES THAT "NO MORE THAN A TOTAL OF 10 ACRES ARE DISTURBED AT A TIME", GROUND WHICH IS DISTURBED SHALL BE GRADED AND PROTECTED BY PERMANENT OR TEMPORARY EROSION CONTROL MEASURES TO ALLOW OTHER AREAS FOR WORK TO PROCEED WITHOUT EXCEEDING THE 10 ACRE LIMIT.
- ACCESS TO THE RAILROAD YARDS SHALL BE MAINTAINED AT ALL TIMES, DIVISION STREET SHALL REMAIN OPEN UNTIL THE TEMPORARY RAILROAD ACCESS ROAD IS CONSTRUCTED AND OPEN TO TRAFFIC. CONTRACTOR ACCESS TO RELOCATED IL RTE 3 NORTH OF THE MLK BRIDGE SHALL BE OBTAINED VIA EXISTING MISSOURI AVENUE OR RELOCATED MISSOURI AVENUE. CROSSING RAILROAD PROPERTY UNDER THE MLK BRIDGE SHALL NOT BE ALLOWED UNLESS THE ROW IS OBTAINED BY THE DEPARTMENT.

GENERAL NOTES (CONTINUED)

- REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL INCLUDE THE EXCAVATION OF INSITU MATERIAL WHICH WILL BE UNSUITABLE TO SUPPORT THE PROPOSED EMBANKMENT. THE LOCATIONS AND DEPTHS OF REMOVAL HAVE BEEN ESTIMATED FROM BORING LOGS BUT FINAL LOCATIONS AND DEPTHS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER. GRANULAR EMBANKMENT SPECIAL IS INCLUDED TO REPLACE THE REMOVED UNSUITABLE MATERIAL.
- THE CONTRACTOR MAY BE ASKED TO ACQUIRE SOIL SAMPLES AND PERFORM SOIL TESTING FOR THIS PROJECT OR THE DEPARTMENT MAY CHOOSE TO OBTAIN AND TEST SAMPLES ON ITS OWN. ANY WORK REGARDING SOIL SAMPLING AND TESTING SHALL BE PAID FOR PER ARTICLE 109.04.
- NON SPECIAL WASTE EXCAVATION AND CLEAN EXCAVATION MATERIAL ARE BOTH ON SITE. THE CONTRACTOR SHALL TAKE CARE NOT TO INTERMIX THE TWO SOIL TYPES TO PREVENT CONTAMINATION OF CLEAN EXCAVATED MATERIAL. THE AREAS OF NON-SPECIAL WASTE MATERIAL ARE NOTED IN THE SPECIAL PROVISION REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES.

ARCHAEOLOGICAL EXCAVATION PITS

- THE CONTRACTOR SHALL BE ADVISED THAT ARCHAEOLOGICAL EXPLORATORY EXCAVATION MAY BE ONGOING WITHIN THE RELOCATED IL ROUTE 3 INTERCHANGE RIGHT OF WAY DURING THIS CONTRACT.
- SOME VARIATIONS IN REMOVAL QUANTITIES AND FURNISHED EMBANKMENT QUANTITIES DUE TO ONGOING ADJACENT CONTRACT CONSTRUCTION AND/ OR ENVIRONMENTAL/ARCHAEOLOGICAL INVESTIGATION IS TO BE EXPECTED. ADJUSTMENTS FOR SUCH VARIATIONS SHALL BE MADE IN THE FIELD BY THE ENGINEER. ALL REMOVAL ITEMS THAT HAVE BEEN DISPLACED DUE TO ONGOING ADJACENT CONTRACT CONSTRUCTION AND/ OR ENVIRONMENTAL/ ARCHAEOLOGICAL INVESTIGATION, BUT REMAIN ON SITE, MUST BE REMOVED BY THE CONTRACTOR PER THE CONTRACT PLANS. QUANTITIES FOR REMOVAL ITEMS THAT NO LONGER REMAIN ON SITE SHALL BE SUBTRACTED FROM THE CONTRACT IN ACCORDANCE WITH ARTICLE 104.02.
- ARCHAEOLOGICAL EXCAVATION PITS WHICH HAVE BEEN PREVIOUSLY EXCAVATED AND BACKFILLED BY OTHERS MAY BE PRESENT WITHIN THE CONTRACT LIMITS. ANY SUCH ARCHAEOLOGICAL EXCAVATION PIT AREAS WHICH LIE UNDER FUTURE ROADWAY EMBANKMENT WILL BE IDENTIFIED BY THE ENGINEER FOR RE-EXCAVATION AND RE-COMPACTON PER THE SPECIAL PROVISION FOR "EARTH EXCAVATION (SPECIAL)," UNUSED QUANTITY OF EARTH EXCAVATION (SPECIAL) SHALL BE SUBTRACTED FROM THE CONTRACT IN ACCORDANCE WITH 104.02.

COMMITMENTS

- ANY WATER WELLS FOUND DURING CONSTRUCTION WILL BE SEALED ACCORDING TO IEPA TO PREVENT GROUNDWATER POLLUTION FROM CONSTRUCTION AND FROM FUTURE ROADWAY MAINTENANCE.
- THE TREE REMOVALS WILL BE MITIGATED IN A FUTURE CONTRACT AS PART OF THE IDOT TREE REPLACEMENT PROGRAM UNDER DEPARTMENT POLICY D & E-18.
- IF ASH TREES ARE REMOVED ON THE PROJECT, THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH MEASURES SPECIFIED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE (IDOA) TO PREVENT THE SPREAD OF THE EMERALD ASH BORER. THE IDOA INFORMATION FOR ASH TREE REMOVAL CAN BE FOUND ON THE IDOA WEBSITE AT: www.AGR.STATE.IL.US/EAB.

MIX DESIGN CHART

| MIXTURE USE | HOT-MIX ASPHALT DRIVEWAYS/ ACCESS ROADS | |
|---------------------|---|----------------|
| | INCIDENTAL HOT-MIX ASPHALT SURFACING | BINDER COURSE |
| AC/PG | PG 64-22 | PG 64-22 |
| RAP % (MAX) | SEE RAP SPEC. | SEE RAP SPEC. |
| DESIGN AIR VOIDS | | |
| MIX COMPOSITION | 4.0% @ NDES=70 | 4.0% @ NDES=70 |
| (GRADATION MIXTURE) | IL 12.5/9.5 | IL 19.0 FG |
| FRICTION AGG | MIXTURE "D" | |

NOTES:

- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/50 YD³.



USER NAME = dmejar
PLOT SCALE = 2.0000' / 1" =
PLOT DATE = 2/6/2013

DESIGNED - JJO
DRAWN - JJO
CHECKED - PJM
DATE - 10/18/12

REVISED - 02/06/13
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

| | | | | |
|---------------------------|-------------------|------------------|------------------|--------------------|
| F.A.P. RTE. 788 | SECTION 520-1-2-1 | COUNTY ST. CLAIR | TOTAL SHEETS 121 | SHEET NO. 2 |
| ILLINOIS/FED. AID PROJECT | | | | CONTRACT NO. 76F70 |