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LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001 - 06	STANDARD SYMBOLS, ABBREVIATION AND PATTERNS
001001 - 02	AREAS OF REINFORCEMENT BARS
280001 - 06	TEMPORARY EROSION CONTROL SYSTEMS
420401 - 08	BRIDGE APPROACH PAVEMENT CONNECTOR
515001 - 03	NAME PLATE FOR BRIDGES
631032 - 07	TRAFFIC BARRIER TERMINAL, TYPE 6A
635006 - 03	REFLECTOR & TERMINAL MARKER PLACEMENT
701901 - 02	TRAFFIC CONTROL DEVICES
720001 - 01	SIGN PANEL MOUNTING DETAILS
720008 - 03	SIGN PANEL ERECTION DETAILS
720011 - 01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001 - 01	TELESCOPING STEEL SIGN SUPPORT
729001 - 01	APPLICATIONS FOR TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)
780001 - 03	TYPICAL PAVEMENT MARKINGS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

CONTACTS:

COMED ELECTRICAL  
TERESA DISMUKES TWO LINCOLN CENTER  
OAKBROOK TERRACE, IL 60181  
630-576-7141

AURORA SCHOOL DISTRICT #131  
630-299-8340

NICOR GAS  
CONSTANCE LANE  
1844 FERRY ROAD  
NAPERVILLE, IL 60563  
630-388-3830

CITY OF AURORA POLICE DEPARTMENT  
630-256-5330

AT&T BROADBAND CABLE  
EARL FLEMING  
1000 COMMERCE DR. 2ND FLOOR  
OAKBROOK, IL 60523  
630-573-6462

CITY OF AURORA FIRE DEPARTMENT  
630-256-4000

CITY OF AURORA SEWER & WATER  
RAY HULL  
649 S RIVER ST  
AURORA, IL 60506  
630-256-3710

FOX METRO RECLAMATION DISTRICT SEWER  
JEFF HUMM  
630-892-4378  
682 ILLINOIS ST  
OSWEGO, IL 60543

GENERAL NOTES:

- THE CONTRACTOR WILL BE ALLOWED TO SET UP A YARD AND/OR FIELD OFFICE IN THE CONTRACTOR'S STAGING AREA.
- BEFORE STARTING ANY EXCAVATION WORK, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, CABLE AND GAS FACILITIES. (48-HOUR NOTIFICATION IS REQUIRED.)
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE PIPE OUTLETS FROM ALL CATCH BASINS ARE FREE OF BLOCKAGES AND DEBRIS.
- ALL EXISTING GRASS AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESEED AND PROTECTED FROM EROSION WITH EROSION CONTROL BLANKETS.
- THE CONTRACTOR SHALL PROTECT ALL IDENTIFIED TREES DURING CONSTRUCTION. AT THE CONTRACTOR'S EXPENSE, ALL BROKEN TREE LIMBS OVER ONE-INCH (1") IN DIAMETER SHALL BE MADE FLUSH WITH THE NEXT LARGE BRANCH. ALL LIMBS, BRANCHES, SCRUB BRUSH, AND OTHER DEBRIS SHALL BE DISPOSED OF BY THE CONTRACTOR OUTSIDE THE LIMITS OF THE PROJECT.
- ALL TREES IN OR ADJACENT TO THE WORK AREA WITH DIAMETERS LARGER THAN TEN-INCHES (10") SHALL HAVE THEIR TRUNKS PROTECTED FROM CONSTRUCTION ACTIVITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL STREETS USED BY CONTRACTOR, SUB-CONTRACTORS, AND SUPPLIERS CLEAN AND FREE OF ALL DIRT, MUD, AND OTHER CONSTRUCTION DEBRIS, AND WILL BE REQUIRED TO CLEAN THEM AS IS NECESSARY IN ORDER TO MAINTAIN THEM IN A SAFE CONDITION. THE CONTRACTOR SHALL BE ESPECIALLY RESPONSIVE TO REQUESTS FROM THE ENGINEER, AURORA TOWNSHIP, POLICE AND FIRE DEPARTMENTS, OR ANY OFFICIAL OF THE OWNER TO COOPERATE THROUGHOUT THE PROJECT DURATION. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
- THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN CONFORMANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", STATE OF ILLINOIS, AND ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS. BARRICADES AND OTHER REQUIRED TRAFFIC CONTROL WILL BE PAID UNDER THE LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR.
- LAYOUT OF SLOPE PROTECTION SYSTEM MAY BE VARIED IN THE FIELD TO SUIT GROUND CONDITIONS AS DIRECTED BY THE ENGINEER.
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.
- UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE AND FIRE DEPARTMENTS SHOULD BE NOTIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- DURING THE CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED, AT HIS EXPENSE, TO HAVE AVAILABLE A WATER TRUCK OR SIMILAR EQUIPMENT TO CONTROL DUST. IF NECESSARY, THE CONTRACTOR SHALL BE REQUIRED TO CONTROL DUST DURING NON-WORKING HOURS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
- SPECIAL CARE SHALL BE TAKEN DURING EXCAVATION NEAR UTILITIES AND TREES TO BE SAVED-IN ORDER TO AVOID UNNECESSARY DAMAGE.
- ALL WORK PERFORMED SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF THE OSHA. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A SAFE AND HEALTHFUL WORKING CONDITION THROUGHOUT THE CONSTRUCTION OF THE VARIOUS IMPROVEMENTS.
- THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL SECTION/SUBSECTION MONUMENTS OR PROPERTY MONUMENTS.

17. COST OF SAWCUTS SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL.

18. DISPOSAL OF UNUSED AND SURPLUS EXCAVATED MATERIALS AND DEBRIS  
  
THIS WORK SHALL CONSIST OF THE SATISFACTORY REMOVAL AND DISPOSAL OF EXCAVATED MATERIALS, EXCAVATED UNSUITABLE MATERIALS, UNUSED MATERIALS, CONSTRUCTION DEBRIS FROM ROADWAY AND UTILITY WORK, FROM THE EXISTING BRIDGE REMOVAL, AND WORK TO ADDRESS SCOPE OF WORK ELEMENTS OF THE WATERWAY OPENING AS SHOWN ON THE PLANS, AND ANY OTHER ORGANIC WASTE MATERIALS.

THIS WORK SHALL BE PERFORMED ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS FOR REMOVAL OF UNSUITABLE MATERIAL AND ORGANIC WASTE.

UTILITY COORDINATION:

- UTILITIES IN THE VICINITY OF THE PROJECT ARE SHOWN ON SHEETS 5 OF THIS PLAN SET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE UTILITY.
- THE LOCATION AND ELEVATION OF EXISTING UTILITIES ARE APPROXIMATE AND ARE PROVIDED BY THE UTILITY. THE EXACT LOCATIONS AND ELEVATION ARE TO BE VERIFIED BY THE CONTRACTOR THROUGH THE UTILITY.

CONCRETE GENERAL NOTES:

- REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42, OR M-53 GRADE 60.
- REINFORCING BARS DESIGNATED (E) SHALL BE EPOXY-COATED. DAMAGE TO THE EPOXY COATING DURING HANDLING, PLACEMENT, ETC., SHALL BE REPAIRED WITH A COMPATIBLE EPOXY.
- ALL ACCESSORIES, INCLUDING BOLSTERS, CHAIRS, TIE WIRE, ETC., USED TO TIE OR SUPPORT THE EPOXY-COATED BARS SHALL BE EPOXY-COATED.
- STRUCTURAL CONCRETE: CONCRETE SHALL BE IDOT CLASS SI HAVING A MINIMUM COMPRESSIVE STRENGTH (FC) OF 3,500 PSI AT 14 DAYS. THE CONCRETE MIX SHALL HAVE AN AIR CONTENT BETWEEN 5 AND 8 PERCENT OF THE VOLUME OF THE CONCRETE. THE CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS TO THE ENGINEER FOR APPROVAL.
- THE BACK FACE OF THE ABUTMENT WINGWALLS AND RETAINING WALLS SHALL BE WATERPROOFED ACCORDING TO ARTICLE 503.18 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL MAKE ALLOWANCE FOR THE LATERAL DEFLECTION OF FORMS, SHRINKAGE AND SETTLEMENT OF FALSEWORK OR BRACES, IN ADDITION TO ALLOWANCE FOR DEADLOAD DEFLECTION, AS APPLICABLE.
- DESIGN AND CONSTRUCTION OF FORMWORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED IN ACCORDANCE WITH ACI 347 AND THE STANDARD SPECIFICATIONS.

DEMOLITION NOTES:

- THE EXTENT OF DEMOLITION WORK IS SHOWN ON AND REASONABLY INFERRABLE FROM THE DRAWINGS.
- PROVIDE FOR OFF-SITE DISPOSAL OF ALL DEMOLISHED MATERIAL.
- THE ITEM "REMOVAL OF EXISTING STRUCTURE" SHALL INCLUDE THE ENTIRE SUPERSTRUCTURE AND PORTIONS OF THE SUBSTRUCTURE OF THE EXISTING BRIDGE AS NOTED ON THE DEMOLITION PLAN.

MOISTURE PROTECTION:

- DESIGNATED CONCRETE SURFACE SHALL BE COATED WITH A SILANE SURFACE SEALER. THE SEALER SHALL BE ISOBUTYL TRIMETHOXY SILANE IN A 40% SOLIDS SOLUTION OF ANHYDROUS ISOPROPYL ALCOHOL. SURFACES TO RECEIVE SILANE INCLUDE THE RIGID CONCRETE PAVEMENT, AND OTHER ENGINEER DESIGNATED SURFACES.
- THE SILANE SURFACE SEALER SHALL BE CONSIDERED AN ALTERNATE TO THE DEPARTMENT'S PROTECTIVE COAT REQUIREMENTS FOR CONCRETE CAST IN THE FALL.

EPOXY-GROUTED DOWELS:

- ALL DRILLED-IN REINFORCING BAR DOWELS SHALL BE SET WITH IDOT PRE-QUALIFIED EPOXY ADHESIVE GROUTING MATERIAL MEETING THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS. REINFORCING BARS TO BE EPOXY-GROUTED MAY BE EPOXY COATED, AS SHOWN ON THE PLANS.
- FOLLOWING DRILLING, ANCHOR HOLES SHALL BE THOROUGHLY CLEANED WITH OIL-FREE AND MOISTURE-FREE COMPRESSED AIR, USING A NOZZLE EXTENDED TO THE BOTTOM OF THE HOLE, AND SUPPLEMENTED WITH A PERMITTED TO DRY. CORE-DRILLED HOLES SHALL BE FLUSHED WITH CLEAN WATER IMMEDIATELY FOLLOWING DRILLING, BLOWN OUT WITH COMPRESSED AIR, AND BRUSH OR OTHER TOOL AS NECESSARY TO REMOVE ALL DUST AND LOOSE MATERIAL.
- UNLESS OTHERWISE INDICATED, ADHESIVE OR GROUT SHALL BE PLACED THROUGH A TUBE OF GUN EXTENSION, BEGINNING AT THE MAXIMUM DEPTH OF THE HOLE AND WITHDRAWN AS ADHESIVE IS PUMPED, FOLLOWED BY INSERTION OF THE ANCHOR TO THE SPECIFIED DEPTH. SPACES AROUND ANCHORS AT THE SURFACE SHALL BE SEALED AT VERTICAL AND OVERHEAD LOCATIONS WHERE NECESSARY TO PREVENT ESCAPE OF THE ADHESIVE DURING CURING.
- EPOXY-GROUTED REINFORCING BARS SHALL NOT BE BENT AFTER BEING EMBEDDED IN HARDENED, SOUND CONCRETE UNLESS PERMITTED BY THE ENGINEER.

REFERENCE STANDARDS:

- ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT)
  - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (ADOPTED JANUARY 1, 2012)
  - SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS (ADOPTED JANUARY 1, 2012)
  - HIGHWAY STANDARDS
- AMERICAN ASSOCIATION OF STATE HIGHWAYS AND TRANSPORTATION OFFICIALS (AASHTO)
  - STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES
  - STANDARD SPECIFICATIONS FOR TRANSPORTATION MATERIALS AND METHODS OF SAMPLING AND TESTING
  - BRIDGE WELDING CODE (ANSI/AASHTO/AWS D1.5)
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
  - CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	DESIGN AIR VOIDS	THICKNESS
<b>ROADWAY RESURFACING</b> HMA SURFACE COURSE, MIX "D", N50 (IL-9.5 mm) HMA BINDER COURSE, IL-19.0, N50	4% @ 50 GYR 4% @ 50 GYR	1 1/2" 2 1/4" & VARIES
<b>ROADWAY RECONSTRUCTION</b> HMA SURFACE COURSE, MIX "D", N50 (IL-9.5 mm) HMA BINDER COURSE, IL-19.0, N50	4% @ 50 GYR 4% @ 50 GYR	1 1/2" 2 1/4" & VARIES
<b>BRIDGE APPROACH PAVEMENT CONNECTOR FLEXIBLE, 15"</b> HMA SURFACE COURSE, MIX "D", N50 (IL-9.5 mm) HMA BINDER COURSE, IL-19.0, N50	4% @ 50 GYR 4% @ 50 GYR	1 1/2" 6"

NOTE:

- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112LBS/SQ YD/IN.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE SBS/SBR PG 76-22 AND FOR NON-POLYMERIZED HMA THE AC TYPE SHALL BE 64-22 UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS.
- SEE SHEET 30 FOR TYPICAL SECTIONS



DESIGNED -- JJT	REVISED --
DRAWN -- ASK	REVISED --
CHECKED -- JJT	REVISED --
DATE -- 10/7/2011	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INDEX TO SHEETS & GENERAL NOTES  
AUSTIN AVE OVER INDIAN CREEK

SCALE: NONE	SHEET NO. 1 OF 1	STA. 11+83.56 TO STA. 13+88.72	F.A.P. RTE.	SECTION 03-01130-00-BR	COUNTY KANE	TOTAL SHEETS 33	SHEET NO. 2
			D-91-352-04		CONTRACT NO. 63660		
			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				