

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ST. CLAIR	101	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

• FAU 9251 / FAS 1848
 ** 28-3BR-I, 28-4BR

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HIGHWAY STANDARDS

000001-04	631011-02	701311-02
280001-01	631031-05	701321-08
406201	635006-02	701326-02
420401-05	635011-01	702001-06
482001	701006-02	704001-02
515001-02	701011-01	780001-01
630001-06	701301-02	781001-02
630301-03	701306-01	

GENERAL NOTES:

1. THE STANDARDS AND REVISION NUMBERS SHALL APPLY TO THIS PROJECT.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
3. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING BY CALLING J.U.L.I.E. AND BY NOTIFYING NON-J.U.L.I.E. MEMBERS INDIVIDUALLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - SBC (COMMUNICATIONS)
 - VERIZON NORTH, INC (COMMUNICATIONS)
 - BI-STATE DEVELOPMENT AGENCY (ELECTRIC)
 - ILLINOIS AMERICAN WATER CO.
 - AMEREN IP (GAS & ELECTRIC)
 - CITY OF BELLEVILLE (SANITARY SEWER)
 MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY •. NON-MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
4. THE CONTRACTOR SHALL PROVIDE TWO SIGNAL HEADS (EACH) FOR THE APPROACHES ON THE SIDE ROAD & PRIVATE DRIVES. THE SIGNALS, DETECTOR LOOPS, THE NUMBER OF TURNS OF WIRE IN THE LOOPS SHALL BE AS DETERMINED BY THE ENGINEER.
5. ALL ADDITIONAL TRAFFIC SIGNAL HEADS, LOOP DETECTORS AND ASSOCIATED EQUIPMENT REQUIRED TO MAINTAIN ACCESS AT THE SIDEROADS OR DRIVEWAY ENTRANCES SHALL BE INCLUDED IN THE COST OF "TEMPORARY BRIDGE TRAFFIC SIGNALS (STATE FURNISHED CONTROLLER)".
6. THE CONTRACTOR SHALL FURNISH AND INSTALL WOOD SIGN SUPPORTS IN ACCORDANCE WITH SECTION 730 OF THE STANDARD SPECIFICATIONS; HOWEVER, INSTALLATION BY METHOD 'A' (ARTICLE 730.04(G)) SHALL BE THE ONLY METHOD PERMITTED.
7. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND ENDING OF THE PROJECT AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLOURESCENT ORANGE.
8. ALL SIGNS THAT INTERFERE WITH CONSTRUCTION OPERATIONS SHALL BE REMOVED, STORED AND RE-ERECTED ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
9. ALL SAW CUTTING FOR REMOVAL ITEMS SHALL BE FULL DEPTH AND SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM.
10. NO TRENCHES OR OPEN PITS WILL BE PERMITTED ADJACENT TO A TRAFFIC LANE DURING NON-WORKING HOURS. ALL WIDENING TRENCHES SHALL BE BACKFILLED DURING THE SAME WORKING DAY IT WAS EXCAVATED.
11. THE COST FOR GRADING AND SHAPING ALONG THE PROPOSED BASE COURSE SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION".
12. THE TRAFFIC CONTROL MEASURES SHALL SUPPLEMENT AND BE IN ACCORDANCE WITH TRAFFIC CONTROL STANDARD 701321.
13. THE COST OF "BARRICADES, TYPE III" SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)".
14. THE PROPOSED TBT, TYPE 1 SPECIAL (TANGENT) TO BE USED DURING STAGE II CONSTRUCTION (NW & NE QUADRANTS - BOTH STRUCTURES) SHALL BE REMOVED AND RE-ERECTED AT IT'S FINAL LOCATION AS SHOWN IN THE PLANS AFTER STAGE CONSTRUCTION IS COMPLETE. THIS WORK SHALL BE PAID FOR AS "REMOVE AND RE-ERECT TRAFFIC CONTROL BARRIER TERMINAL, TYPE 1".
15. THE COST TO REMOVE ALL THE EXISTING TRAFFIC BARRIER TERMINALS SHALL BE INCLUDED IN THE COST OF "GUARDRAIL REMOVAL".

16. ACCESS TO ENTRANCES SHALL BE MAINTAINED AT ALL TIMES.
17. SEE STANDARD 635011 FOR BARRIER WALL MARKER DETAILS. "BARRIER WALL MARKERS, TYPE C" SHALL BE PLACED ON THE TOP OF THE BARRIER WALL. "BARRIER WALL MARKERS, TYPE B" SHALL BE PLACED ON THE SIDE OF THE BARRIER WALL.
18. A QUANTITY OF 987.5 FEET OF "TEMPORARY PAVEMENT MARKING - LINE 6" " WHITE HAS BEEN INCLUDED IN THE PLANS FOR PAINTING THE BOTTOM 6" OF THE TEMPORARY CONCRETE BARRIER.
19. THE BARRIER UNIT AT EACH END OF THE TRAFFIC CONTROL INSTALLATION SHALL BE SECURED TO THE PAVEMENT OR SHOULDER USING ALL SIX ANCHORING PINS FOR F-SHAPE BARRIER OR ALL SIX DOWEL BARS FOR NEW JERSEY SHAPE BARRIER.
20. THE TEMPORARY CONCRETE BARRIER (STATE OWNED) IS LOCATED AT IL ROUTE 111, NORTH OF I-55/70. THE CONTRACTOR SHALL PICK UP THE BARRIER AND RETURN THE BARRIER TO THE SAME LOCATION UPON COMPLETION OF THE PROJECT. ANY DAMAGED BARRIER WILL NOT HAVE TO BE REPLACED. THE CONTRACTOR SHALL DISPOSE OF DAMAGED CONCRETE BARRIER IN AN APPROVED DUMP SITE. THE CONNECTOR PINS SHALL BE FURNISHED BY THE CONTRACTOR AND THE COST SHALL BE INCLUDED WITH THE COST OF "TEMPORARY CONCRETE BARRIER (STATE OWNED)"

EROSION CONTROL PLAN

ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER RECOMMENDED INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER AND SILT FENCES WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE COMPOSED OF AGGREGATE, SILT PANELS, ROLLED EXCELSIOR, URETHANE FOAM/GEOTEXTILE (SILT WEDGES), EARTH MEDIAN AND/OR OTHER MATERIAL APPROVED BY THE EROSION AND SEDIMENT CONTROL COORDINATOR.

TEMPORARY DITCH CHECK, GEOTEXTILES, ROLLED EXCELSIOR, SILT WEDGES, PANELS SHALL BE LOCATED AT EVERY 1.5 FT FALL/RISE IN DITCH GRADE.

TEMPORARY DITCH CHECKS, AGGREGATE USES GRADING NO. 3 -- REMOVES AT END OF CONSTRUCTION

TEMPORARY SEEDING SHALL BE COMPLETED ON A WEEKLY BASIS ON EXPOSED GROUND AND SHALL BE PAID FOR AS "TEMPORARY EROSION CONTROL SEEDING" AND NO OTHER PAYMENT WILL BE PERMITTED. FOR CALCULATION PURPOSES, THREE APPLICATIONS OF TEMPORARY SEEDING WAS ASSUMED.

ALL AREAS DISTURBED FOR ANY REASON SHALL BE SEEDED WITH CLASS 2 SEEDING AS DIRECTED BY THE ENGINEER. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04, AND SHALL BE INCLUDED IN THE COST OF "SEEDING, CLASS 2".

CLASS 2 SEEDING AND EROSION CONTROL BLANKET SHALL BE PLACED AS SOON AS THE EARTHWORK IS COMPLETED.

EROSION CONTROL BLANKET IS TO BE PLACED ON ALL SLOPES 1:2 OR STEEPER.

EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.

FINAL SEEDING SHALL BE PERFORMED AS SOON AS POSSIBLE.

COMMITMENTS

AFTER WORK IS COMPLETE AROUND PARCEL #8503003, BEFORE FINALIZING THE PROJECT, THE RESIDENT ENGINEER WILL CONTACT MR. RENNER FOR A JOINT WALK-THROUGH.

BITUMINOUS MIXTURE CHART

MIXTURE USE	SURFACE	BINDER	SHOULDERS	TOP LIFT SHOULDERS	BRIDGE APP PVMT CONN (FLEXIBLE)	BASE COURSE
AC/PG	PG 64-22	PG 64-22	PG 58-22	PG 58-22	PG 64-22	PG 64-22
RAP % (MAX)	10%	15%	30%	30%	15%	30%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	2.0% @ Ndes=30	**2.0% @ Ndes=30	4.0% @ Ndes=70	2.0% @ Ndes=50
MIX COMPOSITION (GRADATION MIXTURE)						
FRICTION AGG	MIXTURE "D"	MIXTURE "B"	BAM	BAM	MIXTURE "B"	BSE CSE

** TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 MM THICKNESS).

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS
 FAU ROUTE 9251/FAS ROUTE 1848
 SECTION 28-3BR-I, 28-4BR
 ST. CLAIR COUNTY