

SECTION NO.	HIGHWAY	COUNTY	SHEETS
06-00092-02-PV	22	ST. CLAIR	3 OF 63
FHWA REG. NO. 7	ILLINOIS	ARA-5011(297)	
FEDERAL AID PROJECT		CONTRACT #97415	

GENERAL NOTES

LEGEND

⊖ VALVE	— — — — —	EXISTING R.O.W.
⊕ FIRE HYDRANT	- - - - -	PROPOSED R.O.W.
⊗ LIGHT STANDARD	CONSTRUCTION LIMITS
⊙ WATER METER	- - - - -	TEMPORARY CONSTRUCTION EASEMENT
⊙ GAS METER	— — — — —	ELECTRIC
⊕ POWER POLE	— — — — —	FIBER OPTIC
⊕ MAILBOX	— — — — —	GASLINE
⊕ TELEPHONE DROP BOX	— — — — —	EXISTING SANITARY SEWER
⊙ BUSH	— — — — —	TELEPHONE
⊙ BUSH	— — — — —	WATERLINE
⊙ TREE (LESS THAN 6" DIA.)	— — — — —	WOVEN WIRE FENCE
⊙ TREE (6" -15" DIA.)	— — — — —	CHAIN LINK FENCE
⊙ TREE (15" DIA. AND UP)		
● PERMANENT SURVEY MARKER		
— — — — —		EXISTING CULVERT TO BE REMOVED

GENERAL NOTES

- ALL CULVERT PIPE TO BE REMOVED WHICH IS CONSIDERED TO BE SALVABLE BY THE ENGINEER SHALL REMAIN THE PROPERTY OF THE COUNTY. ALL OTHERS SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN EXPENSE.
- THE LIMITS OF CONSTRUCTION AND TEMPORARY CONSTRUCTION EASEMENTS ARE SHOWN ON THE PLAN VIEW SHEETS.
- THE FOLLOWING UTILITIES MAY HAVE FACILITIES LOCATED WITHIN THE LIMITS OF CONSTRUCTION WHICH MAY REQUIRE ADJUSTMENT OR REMOVAL:

AMEREN IP 1050 W BOULEVARD BELLEVILLE, IL 62222	AT&T 203 GOETHE STREET COLLINSVILLE, IL 62234	CHARTER COMMUNICATIONS 200 W. DIVISION MARYVILLE, IL 62062
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- IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN SUBMITTING HIS BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCES CAUSED BY SAME.
- NO SEEDING WILL BE PERMITTED OUTSIDE THE DATES LISTED IN THE STANDARD SPECIFICATIONS UNLESS GRANTED, IN WRITING, BY THE ENGINEER.
 - (INTENTIONALLY LEFT BLANK)
 - ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.
 - THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.
 - FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.
 - THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO ORDERING STORM SEWERS, INLETS AND PIPE CULVERTS AS TO THE EXACT LENGTH AND/OR QUANTITY REQUIRED.
 - THE FOLLOWING FACTORS WERE USED IN COMPUTING QUANTITIES FOR THIS PROJECT:

LIME	55 LBS/SQ YD/FT THK	} 102 LBS/CU FT UNIT WEIGHT OF SOIL (DRY)
CEMENT FOR SOIL STABILIZATION	73 LBS/SQ YD/FT THK	
ALL AGGREGATE	2.10 TONS/CU YD	
BITUMINOUS MATERIALS (PRIME COAT) ON AGGREGATE	0.35 GALS/CU YD	
AGGREGATE (PRIME COAT)	6 POUNDS/SQ.YD.	
HMA SURFACE AND BINDER COURSES	112 LBS/SQ YD /IN THK	
INCIDENTAL HMA SURFACING	110 LBS/SQ YD /IN THK	

- WHEN REMOVING THE EXISTING ROADBED MATERIAL THE CONTRACTOR SHALL ENSURE THAT ALL OIL & CHIP, BITUMINOUS CONCRETE, ETC. HAS BEEN COMPLETELY REMOVED SO AS TO NOT INTERFERE WITH THE LIME-SOIL REACTION.
- A TILLER-TYPE GATORING MACHINE AS OPPOSED TO A TRACTOR-TOWED DISC SHALL BE USED IN THE LIME MODIFICATION PROCESS TO ENSURE THAT A MORE UNIFORM DISTRIBUTION OF LIME IS ACHIEVED.
- ANY PORTION OF THE RIGHT-OF-WAY THAT WILL BE PERMANENTLY EXPOSED IN THE COMPLETED ROADWAY SHALL BE CONSTRUCTED USING NATIVE MATERIALS OF A CLASSIFICATION THAT WILL SUPPORT VEGETATION AND HAVE A PLASTICITY INDEX OF 12 OR GREATER.
- AREAS OF THE ROADWAY THAT ARE TO RECEIVE FILL SHALL BE PROOFROLLED PRIOR TO FILL PLACEMENT. IF UNACCEPTABLE MATERIALS ARE ENCOUNTERED, THEY SHOULD BE REMOVED AND REPLACED WITH ENGINEERED FILL, OR STABILIZED, PRIOR TO THE PLACEMENT OF THE FILL MATERIAL.
- COHESIVE FILL SHOULD BE PLACED IN MAXIMUM 8-INCH-THICK LOOSE LIFTS AND MECHANICALLY COMPACTED TO AT LEAST 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASSHTO T-99.
- THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT

MIXTURE USE	MAINLINE		TEMPORARY TRANSITION PAVEMENT
	SURFACE	BINDER	
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	10%	15%	10%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)	IL-12.5	IL-19.0	IL-12.5
FRICITION AGGREGATE	MIXTURE C		MIXTURE C
MIXTURE WEIGHT	112 lbs/sq yd/in thk	112 lbs/sq yd/in thk	112 lbs/sq yd/in thk

- ALL MATERIAL THAT IS TO BE USED FOR EMBANKMENT SHALL MEET THE ILLINOIS DEPARTMENT OF TRANSPORTATION EMBANKMENT SPECIFICATIONS AS GIVEN IN SECTIONS 202, 204 AND 205 OF THE STANDARD SPECIFICATIONS AND AS FOLLOWS:
 - IT MUST FALL IN TO ONE OF THE FOLLOWING HIGHWAY RESEARCH BOARD CLASSIFICATIONS: A-1, A-2, A-3, A-4, A-6 OR A-7-6.
 - IT SHALL HAVE A LIQUID LIMIT OF 49 OR LESS.
 - ANY A-4, A-6 OR A-7-6 MATERIALS TO BE USED AS BORROW MATERIAL FOR EMBANKMENT CONSTRUCTION SHALL NOT HAVE AN ORGANIC CONTENT GREATER THAN 7 PERCENT.
 - CLASSIFICATION OF THE MATERIAL FOR POINTS 1 AND 2 SHALL BE DETERMINED IN ACCORDANCE WITH THE LATEST AASHTO DESIGNATION: M145
 - WHEN TESTED FOR DENSITY IN PLACE, ANY SOIL CLASSIFIED AS AN A-4 SHALL NOT CONTAIN MORE THAN 100 PERCENT OF THE OPTIMUM MOISTURE CONTENT DETERMINED ACCORDING TO AASHTO T-99.
 - THE OUTSIDE 9 FEET OF THOSE PORTIONS OF THE EMBANKMENT THAT WILL BE PERMANENTLY EXPOSED IN THE COMPLETED ROADWAY SHALL BE CONSTRUCTED USING NATIVE MATERIALS OF A CLASSIFICATION THAT WILL SUPPORT VEGETATION AND CONTAIN A PLASTICITY INDEX OF 12 OR GREATER.

PLOT DATE: 11.24.2009

	INITIALS	DATE
DESIGNED	R GEORGEN	MAY 2008
CHECKED	T HOLDENER	DEC 2008
DRAWN	R GEORGEN	JULY 2008
CHECKED	T HOLDENER	DEC 2008
PREPARED BY ST. CLAIR COUNTY HIGHWAY DEPARTMENT		