

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-12	CHRISTIAN	284	3
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		

GENERAL NOTES

- ELEVATIONS ARE BASED ON N.G.S. VERTICAL DATUM OF 1929.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED AGENT, OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
- ALL UNSURFACED AREAS WITHIN THE R.O.W. AND EASEMENTS SHALL BE SEEDED, FERTILIZED, AND MULCHED AS SHOWN IN THE PLANS, SPECIAL PROVISIONS, AND AS DIRECTED BY THE ENGINEER. SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION.
- IN ACCORDANCE WITH STATE OF ILLINOIS P.A. 86-0674, THE CONTRACTOR IS TO NOTIFY ALL UTILITY COMPANIES NOT MORE THAN 14 DAYS NOR LESS THAN 48 HOURS (EXCLUSIVE OF SATURDAYS, SUNDAYS, AND HOLIDAYS) IN ADVANCE OF THE START OF EXCAVATION OR DEMOLITION.

J.U.L.I.E. TELEPHONE NUMBER
1-800-892-0123

KNOWN UTILITIES LOCATED WITHIN THE LIMITS OF THIS IMPROVEMENT ARE:

MEDIA COMM. 4290 BLUESTEM ROAD P.O. BOX 288 CHARLESTON, IL 61920 MR. JOHN WILSON 217-348-5533 CABLE	VERIZON NORTH, INC. 330 WEST BEECHER ST. JACKSONVILLE, IL 62650 MR. CHARLES JENKINS 217-243-0211 TELEPHONE	AMEREN IP 2460 N. JASPER ST. DECATUR, IL 62526 MR. JEFFREY JONES 217-424-6724 GAS
SHELBY ELECTRIC COOP. P.O. BOX 560 SHELBYVILLE, IL 62565 MR. JIM MATLOCK 217-774-3986 ELECTRIC	AMEREN CIPS 700 JERSEY STREET P.O. BOX 1089 QUINCY, IL 62301 MR. ROGER DONALDSON 217-221-0805 ELECTRIC	IL CONSOLIDATED COMMUNICATIONS 1000 SPRESSER STREET TAYLORVILLE, IL 62568-8338 MR. JOHN ROSA
CEBRIDGE CONNECTIONS FIBER OPTIC	CITY OF ASSUMPTION 504 COLEGROVE STREET ASSUMPTION, IL 62510 217-226-3719 WATER & SEWER	
- THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE, AND ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATIONS, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER, SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVE GROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- MAINTAIN EXISTING TRAFFIC CONTROL AT ALL INTERSECTIONS DURING CONSTRUCTION.
- TOPSOIL SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE TYPICAL SECTIONS, AS DESCRIBED IN THE EARTHWORK SCHEDULE, AND AT ANY ADDITIONAL LOCATIONS SPECIFIED BY THE ENGINEER. TOPSOIL SHALL BE OBTAINED FROM THE DESIGNATED AREAS AS SHOWN IN THE PLANS. EXCAVATED TOPSOIL SHALL BE STORED NEAR PLACEMENT AREAS AT LOCATIONS DESIGNATED BY THE ENGINEER.
- THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO COMPENSATION WILL BE ALLOWED.
- FERTILIZER NUTRIENTS SHALL BE APPLIED TO BOTH THE SEEDED AREAS AND THE AREAS COVERED WITH EROSION CONTROL BLANKET.
- DO NOT INCLUDE MULCH OR EMULSIFIED ASPHALT ON EROSION CONTROL BLANKET AREAS.
- BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.
- PROTECTIVE COAT SHALL BE APPLIED TO THE SURFACE OF NEW CONCRETE ACCORDING TO SECTION 503 OF THE STANDARD SPECIFICATIONS.
- UNLESS OTHERWISE NOTED, THE OFFSETS SHOWN IN THE PLANS FOR THE END OF PIPE CULVERTS ARE TO THE END OF THE LAST SECTION OF PIPE NOT TO THE END OF THE END SECTION.

- ALL TREES, BRUSH AND SHRUBS WITHIN THE CONSTRUCTION LIMITS WILL BE REMOVED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. TREES ALONG THE EDGE OF RIGHT OF WAY, OUTSIDE THE CONSTRUCTION LIMITS SHALL BE SAVED IF, IN THE OPINION OF THE ENGINEER, THEY DO NOT INTERFERE WITH CONSTRUCTION OPERATIONS. THE CONTRACTOR WILL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
- ALL EXISTING FENCE WITHIN THE PROPOSED RIGHT OF WAY SHALL BE REMOVED. THE COST OF THE FENCE REMOVAL WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REMOVED PRIOR TO RESURFACING.
- ALL PIPE TEES WHICH ARE TO BE PLUGGED, SHALL RECEIVE A 6" THICK PLUG OF CAST IN PLACE CONCRETE OR A PRECAST CONCRETE PLUG (DETAILED IN THE PLANS) AS DIRECTED BY THE ENGINEER TO SATISFACTORILY SEAL THE END OF THE PIPE TEE. ALL COSTS ARE TO INCLUDED IN BID PRICE OF THE PIPE TEE.
- A SUBSURFACE INVESTIGATION HAS BEEN PERFORMED FOR THIS PROJECT. GEOTECHNICAL DATA INCLUDING BORING LOGS AND LABORATORY TEST RESULTS ARE AVAILABLE FOR CONTRACTOR REVIEW PRIOR TO BIDDING. THE DATA CAN BE REVIEWED AT THE DISTRICT SIX ANNEX LOCATED AT 2713 STEVENSON DRIVE, SPRINGFIELD, IL. CONTACT THE DISTRICT GEOTECHNICAL ENGINEER AT 217-782-6709.
- PREPARATION OF THE AGGREGATE BASE FOR A-3 BITUMINOUS SURFACE TREATMENT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR THE BITUMINOUS SURFACE TREATMENT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- PERMANENT RIGHT OF WAY MARKERS SHALL BE INSTALLED PRIOR TO THE BEGINNING OF EARTHWORK CONSTRUCTION.
- WATER FOR LIME MODIFIED SOILS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF PROCESSING THE MODIFIED SOIL.
- THE REMOVAL OF OIL AND CHIP PAVEMENT SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- IF THERE IS A DISCREPANCY BETWEEN THE RIGHT OF WAY SHOWN ON THE PLANS AND THE PLAT OF HIGHWAYS, THE PLAT OF HIGHWAYS ALWAYS TAKES PRECEDENCE.
- ANY REFERENCES OR CALL-OUTS IN THESE PLANS TO "BITUMINOUS CONCRETE" SHALL BE INTERPRETED TO MEAN "HOT-MIX ASPHALT".

RATES OF APPLICATION TABLE

AGGREGATE SUBGRADE, ROCKFILL	1.89 TON / CU YD
AGGREGATE (SURFACE, BASE, SUBBASE, OR BACKFILL)	2.05 TON / CU YD
SUBBASE GRANULAR MATERIAL, TYPE C	1.80 TON / CU YD
STONE DUMPED RIPRAP	1.75 TON / CU YD
BITUMINOUS SURFACE TREATMENTS:	
BITUMINOUS MATERIALS (PRIME COAT)	0.001425 TON / SQ YD
BITUMINOUS MATERIALS (COVER AND SEAL COAT)	0.001425 TON / SQ YD
COVER SEAL AGGREGATE	0.01 TON / SQ YD
SEAL COAT AGGREGATE	0.01 TON / SQ YD
HOT-MIX ASPHALT:	
BITUMINOUS MATERIALS (PRIME COAT)	0.00038 TON / SQ YD (on pavement)
BITUMINOUS MATERIALS (PRIME COAT)	0.001425 TON / SQ YD (on aggregate)
AGGREGATE PRIME COAT	0.002 TON / SQ YD
HOT MIX ASPHALT SURFACE / BINDER (112 lbs)	0.056 TON / SQ YD • IN
SEEDING AREAS:	
NITROGEN FERTILIZER NUTRIENT	90 LBS / ACRE
PHOSPHOROUS FERTILIZER NUTRIENT	90 LBS / ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS / ACRE
AGRICULTURAL GROUND LIMESTONE	2 TON / ACRE
MULCH	2 TON / ACRE
LIME FOR MODIFIED SOILS, 12"	0.02 TON / SQ YD

COMMITMENTS

THE FIELD/RESIDENT ENGINEER SHALL CONTACT STUDIES & PLANS CONCERNING ANY MAJOR PLAN CHANGES TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN, AND TO ALLOW IMPROVEMENTS IN THE DESIGN FOR FUTURE PROJECTS.

SEEDING SHALL BE COMPLETED AS DESIGNATED IN THE STORM WATER POLLUTION PREVENTION PLAN. ALL AREAS OF POTENTIAL FOR EROSION SHALL BE SEEDED BY OCTOBER 1, OF EACH YEAR AND SHALL NOT BE REOPENED UNTIL AFTER THE WINTER SHUT-DOWN PERIOD (SEE SWPPP).

DUST CONTROL WILL BE HANDLED PROPERLY BY IDOT'S CONTRACTOR. WATER TRUCKS SHALL BE PROVIDED TO KEEP DUST FROM THE PREGRADE FROM BLOWING NEAR HOMES & INTERFERING WITH TRAFFIC VISIBILITY.

STORM WATER POLLUTION PREVENTION PLAN REQUIRED FOR NPDES PERMIT BY IEPA.

COMMITMENTS TO PARCEL 6085188 (MARK A. & ROBIN M. MILLER) AS FOLLOWS:

- THE PALLET PILE WITH BRUSH AND SMALL BURN PILE WITHIN THE T.E. LIMITS WILL NEED TO BE REMOVED FROM PROPERTY BY CONTRACTOR.
- CONCRETE POSTS (2) THAT ARE WITHIN T.E. NEAR THE GARAGE WILL BE LEFT IN PLACE.
- THE SIDEWALK FROM THE HOUSE TO THE US 51 WILL ONLY BE REMOVED ENOUGH TO ACCOMMODATE THE DITCH WORK.

MIXTURE REQUIREMENTS

MIXTURE NUMBER:	NO. 1	NO. 2	NO. 3
LOCATION(S):	US 51	US 51	US 51
MIXTURE USE(S):	FD BINDER (LOWER LIFTS)	FD BINDER (TOP LIFT)	FD SURFACE
AC/PG:	PG64-22	SBS PG64-28	SBS PG70-28
DESIGN AIR VOIDS:	4.0% @ Ndesign = 70	4.0% @ Ndesign = 70	4.0% @ Ndesign = 70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0	IL-19.0	IL-9.5 or IL-12.5
FRICITION AGGREGATE	N/A	N/A	MIX D

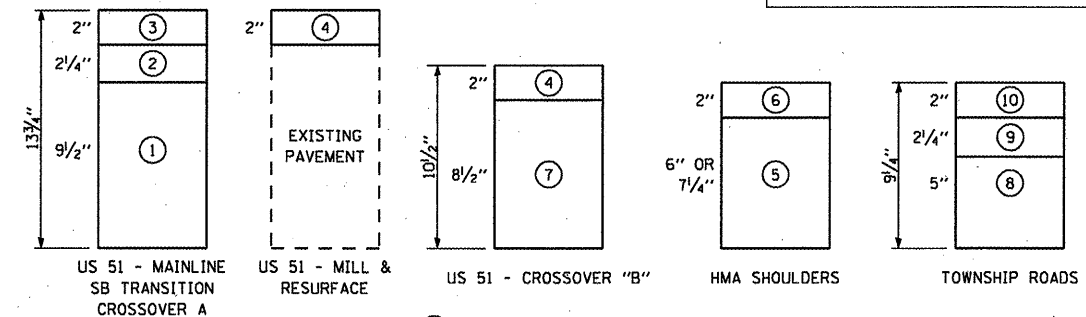
MIXTURE NUMBER:	NO. 4	NO. 5	NO. 6
LOCATION(S):	US 51 MILL & RESURF. CROSSOVER B	ALL	ALL
MIXTURE USE(S):	HMA SURFACE	HMA SHOULDERS (LOWER LIFTS)	HMA SHOULDERS (TOP LIFTS)
AC/PG:	SBS-PG 70-22	PG58-22	PG64-22
DESIGN AIR VOIDS:	4.0% @ Ndesign = 70	2.0% @ Ndesign = 30	4.0% @ Ndesign = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5 OR IL-12.5	BAM	IL-9.5 OR IL-12.5
FRICITION AGGREGATE	MIX "D"	N/A	MIX "C"

MIXTURE NUMBER:	NO. 7	NO. 8	NO. 9
LOCATION(S):	ALL	TOWNSHIP ROADS	TOWNSHIP ROADS
MIXTURE USE(S):	HMA BASE COURSE / WIDENING	FD BINDER (LOWER LIFTS)	FD BINDER (TOP LIFT)
AC/PG:	PG64-22	PG64-22	SBS PG64-28
DESIGN AIR VOIDS:	4.0% @ Ndesign = 70	4.0% @ Ndesign = 50	4.0% @ Ndesign = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0	IL-19.0	IL-19.0
FRICITION AGGREGATE	N/A	N/A	N/A

MIXTURE NUMBER:	NO. 10	NO. 11
LOCATION(S):	TOWNSHIP ROADS	ALL
MIXTURE USE(S):	FD SURFACE	INCIDENTAL HMA SURFACING
AC/PG:	SBS PG64-28	PG64-22
DESIGN AIR VOIDS:	4.0% @ Ndesign = 50	4.0% @ Ndesign = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5 OR IL-12.5	IL-9.5 OR IL-12.5
FRICITION AGGREGATE	MIX "C"	MIX "C"

NOTE: SURFACE COURSE FOR US 51- MAINLINE RT & CROSSOVER "A" TO BE CONSTRUCTED DURING STAGE 2.

PAVING LIFT DIAGRAMS



⊙ DESIGNATES MIXTURE NUMBER IN TABLE ON THIS SHEET
INDIVIDUAL LIFT THICKNESS LESS THAN AS SHOWN WILL NOT BE PERMITTED.

REVISIONS	
NAME	DATE
MIX RE. & PAVING LIFT	3/25/2010

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES
FAP 322 (US 51)
SECTION 11-12
CHRISTIAN COUNTY

SCALE: NONE DRAWN BY: BGJ
DATE: 8/22/06 CHECKED BY: TLD