

GENERAL NOTES

1. 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.
2. 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.
3. 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:

NEW WAVE COMM. SBC/AMERITECH AMEREN ILLINOIS
1176 E. 1500 NORTH ROAD 990 SOUTH SIDE DRIVE 370 S. MAIN STREET, MC D-50
TAYLORVILLE, IL 62568 DECATUR, IL 62523 DECATUR, IL 62523
MR. LARRY REPSCHER MR. TOM LONG MR. JACOB COLBERT
217-287-7992 217-429-8596 217-424-6645
CABLE TELEPHONE GAS

AMEREN CIPS IL CONSOLIDATED COMM. SHELBY ELECTRIC COOP.
420 N. 2400 EAST ROAD 121 S. 17TH STREET ROUTE 128 & N. SIXTH STREET
PANA, IL 62557 MATTOON, IL 61938 P.O. BOX 560
MR. CLINT FREDERICK MR. DOUG SOWERS SHELBYVILLE, IL 62565
217-562-1441 217-235-4419 MR. JIM MATLOCK
ELECTRIC TELEPHONE 217-774-3986
ELECTRIC
4. 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.
5. 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.
6. 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.
7. FERTILIZER NUTRIENTS SHALL BE APPLIED TO BOTH THE SEEDED AREAS AND THE AREAS COVERED WITH EROSION CONTROL BLANKET.
8. DO NOT INCLUDE MULCH OR EMULSIFIED ASPHALT ON EROSION CONTROL BLANKET AREAS.
9. BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.
10. PROTECTIVE COAT SHALL BE APPLIED TO THE SURFACE OF NEW CONCRETE ACCORDING TO SECTION 503 OF THE STANDARD SPECIFICATIONS.
11. 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.
12. 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.
13. 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.
14. 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.

15. 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.
16. PERMANENT RIGHT OF WAY MARKERS SHALL BE INSTALLED PRIOR TO THE BEGINNING OF EARTHWORK CONSTRUCTION.
17. THE REMOVAL OF OIL AND CHIP PAVEMENT SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
18. 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.
19. EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REMOVED PRIOR TO RESURFACING.
20. 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.
21. ANY REFERENCES OR CALL-OUTS IN THESE PLANS TO "BITUMINOUS CONCRETE" SHALL BE INTERPRETED TO MEAN "HOT-MIX ASPHALT".

RATES OF APPLICATION TABLE

AGGREGATE 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	1.50 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.

AMEREN ILLINOIS SHALL BE NOTIFIED PRIOR TO EXCAVATION NEAR THE GAS LINE AT STATION 436+20 SO THEY CAN HAVE A REPRESENTATIVE PRESENT.

MIXTURE REQUIREMENTS

MIXTURE NUMBER:	NO. 1	NO. 2	NO. 3
LOCATION(S):	US 51	US 51 & CROSSOVER A	US 51, US 51 MILL & RESURF. CROSSOVER A, EX US 51
MIXTURE USE(S):	FD BINDER (LOWER LIFTS)	FD/HMA INTERMEDIATE SURFACE	FD/HMA SURFACE
AC/PG:	PG 64-22	SBS PG 64-28	SBS PG 70-28
DESIGN AIR VOIDS:	4.0% @ Ndesign = 70	4.0% @ Ndesign = 70	4.0% @ Ndesign = 70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0	IL-9.5 OR IL-12.5	IL-9.5 OR IL-12.5
FRICTION AGGREGATE	N/A	MIX "C"	MIX "D"

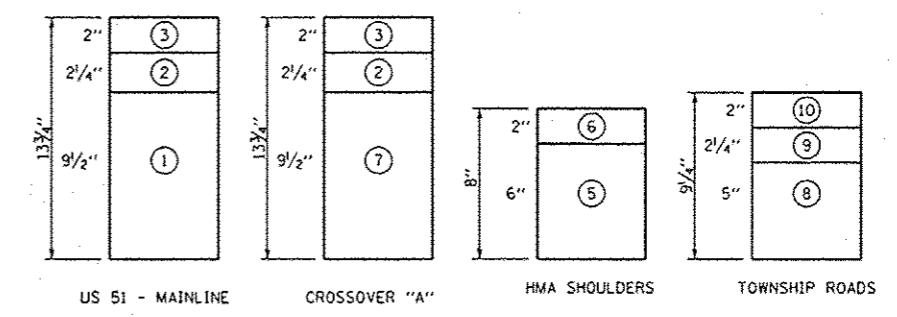
MIXTURE NUMBER:	NO. 4	NO. 5	NO. 6
LOCATION(S):	RELOCATED US 51, CROSSOVERS B & D	ALL	ALL
MIXTURE USE(S):	HMA SURFACE	HMA SHOULDERS (LOWER LIFTS)	HMA SHOULDERS (TOP LIFTS)
AC/PG:	PG 64-22	PG 58-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ Ndesign = 70	2.0% @ Ndesign = 30	4.0% @ Ndesign = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5 OR IL-12.5	BAM	IL-9.5 OR IL-12.5
FRICTION AGGREGATE	MIX "C"	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 / BINDER / PATCHING / FLEXIBLE CONNECTOR	FD BINDER (LOWER LIFTS)	FD BINDER (TOP LIFT)
AC/PG:	PG 64-22	PG 64-22	SBS PG 64-28
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
FRICTION AGGREGATE	N/A	N/A	N/A

MIXTURE NUMBER:	NO. 10	NO. 11	NO. 12
LOCATION(S):	TOWNSHIP ROADS	ALL	EXISTING US 51
MIXTURE USE(S):	FD SURFACE	INCIDENTAL HMA SURFACING	LEVELING BINDER (MACHINE METHOD)
AC/PG:	SBS PG 64-28	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ Ndesign = 50	4.0% @ Ndesign = 50	4.0% @ Ndesign = 70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5 OR IL-12.5	IL-9.5 OR IL-12.5	IL-9.5
FRICTION AGGREGATE	MIX "C"	MIX "C"	N/A

NOTE: HMA PAY FOR PERFORMANCE USING PERCENT WITHIN LIMITS APPLIES TO THE PAY ITEM HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4".

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY

SCALE: NONE DRAWN BY: BJC
DATE: CHECKED BY: .