

INDEX OF SHEETS

- 01 COVER SHEET
- 02 INDEX OF SHEETS, STANDARDS, GENERAL NOTES & COMMITMENTS
- 03-08 SUMMARY OF QUANTITIES
- 09-10 SCHEDULE OF QUANTITIES
- 11-13 TYPICAL SECTIONS
- 14 BENCHMARKS, HORIZONTAL ALIGNMENT & LOCAL TIES
- 15-18 DETOUR PLANS
- 19 ROADWAY PLAN
- 20 ROADWAY PROFILE
- 21 GRADING PLAN
- 22-27 CULVERT PLANS
- 28 SOUTH PRIVATE ENTRANCE DETAIL
- 29 NORTH PRIVATE ENTRANCE DETAIL
- 30-34 CROSS SECTIONS
- 35 SOUTH PRIVATE ENTRANCE CROSS SECTIONS
- 36-38 NORTH PRIVATE ENTRANCE CROSS SECTIONS

STATE STANDARDS

- 000001-06
- 001001-02
- 001006
- 280001-07
- 515001-03
- 542001-03
- 542301-03
- 602306-03
- 604001-03
- 604046-02
- 606201-02
- 630001-10
- 635001-01
- 635006-03
- 635011-02
- 666001-01
- 667101-02
- 701006-04
- 701011-03
- 701201-04
- 701306-03
- 701311-03
- 701901-03
- 720001-01
- 720006-03
- 720011-01
- 728001-01
- 729001-01
- 780001-03
- 781001-03
- BLR-21-9

GENERAL NOTES:

THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 2 SHALL BE USED.

FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SEEDING OR PLACEMENT OF SOD AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS.

THE LOCATIONS OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCED NOTICE IS REQUIRED.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF RIGHT-OF-WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE RESIDENT ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. IF THE ENGINEER DECIDES TO HAVE THE CONTRACTOR RESET THE MONUMENT, THIS WORK SHALL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

ALL ELEVATIONS SHOWN IN THE PLANS ARE NAVD88 DATUM.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS SHOWN IN THE PLANS.

THE COST OF REMOVAL OF ANY EXISTING SIGNS, OR OTHER OBSTRUCTIONS WHICH INTERFERE WITH CONSTRUCTION WILL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.

THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NORMAL THICKNESS. DEVIATIONS FROM THE NORMAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. AREAS TO BE SEEDED SHALL BE DETERMINED BY THE ENGINEER.

EXISTING PAVEMENT DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS, AND NOT OTHERWISE NECESSARY TO REPLACE, SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

THE EXISTING ROAD SIGNS AND MAILBOXES THAT INTERFERE WITH CONSTRUCTION SHALL BE 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 FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT.

Mixture Use(s):	HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50	LEVEL BINDER (MACHINE METHOD), N50	HOT-MIX ASPHALT BASE COURSE/WIDENING, 10"	INCIDENTAL HOT-MIX ASPHALT SURFACE COURSE AND HMA SHOULDER (TOP LIFT)	HOT-MIX ASPHALT SHOULDER (LOWER LIFTS)
PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 58-22
Design Air Voids	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	2.0% @ N DESIGN = 30
Mixture Composition (Gradation Mixture)	IL 9.5 OR 12.5	IL 9.5	IL 19.0	IL 9.5 OR 12.5	BAM
Friction Aggregate	MIX "C"	N/A	N/A	MIX "C"	N/A

GENERAL NOTES (CONT'D):

STRUCTURE EXCAVATION SHALL BE INCLUDED IN THE CONTRACT COST PER FOOT FOR PRECAST CONCRETE BOX CULVERTS 12' x 8'.

THE FOLLOWING APPLICATION RATES WERE USED FOR QUANTITY CALCULATIONS.

HOT-MIX ASPHALT SURFACE COURSE	0.056 TON / SQ YD / IN
LEVELING BINDER	0.056 TON / SQ YD / IN
BITUMINOUS MATERIALS (PRIME COAT)	0.00038 TON / SQ YD
NITROGEN FERTILIZER NUTRIENT	90 LB / ACRE
PHOSPHOROUS FERTILIZER NUTRIENT	90 LB / ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LB / ACRE
TEMPORARY EROSION CONTROL SEEDING	400 LB / ACRE
AGGREGATE SHOULDERS, TYPE B	1.89 TON/CU YD
RIPRAP	1.50 TON/CU YD
AGRICULTURAL GROUND LIMESTONE	2.0 TON/ACRE

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 ALLOW AN IMPROVED DESIGN FOR FUTURE PROJECTS.

DISTRICT SIX	
EXAMINED <u>10/11</u> 20 <u>12</u>	
<i>Bill Boyer</i>	
OPERATIONS ENGINEER	
EXAMINED <u>Oct 11</u> 20 <u>12</u>	
<i>Tommy Fount</i>	
PROJECT IMPLEMENTATION ENGINEER	
EXAMINED <u>Oct-11</u> 20 <u>12</u>	
<i>JRM/L</i>	
PROGRAM DEVELOPMENT ENGINEER	