

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	99-00124-02-PV	COLES	229	13
D-95-025-97				

**GENERAL NOTES**

G.N.-100  
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-201  
TREES THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ANY TREE DUE TO ITS LOCATION AND DEEMED SUITABLE FOR SAVING BY THE ENGINEER SHALL BE PROTECTED DURING CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS

G.N. 202  
GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N. 250C  
SEEDING, CLASS 7 AND MULCH, METHOD 2 IS INCLUDED IN THIS CONTRACT TO SEED NEW EARTH SHOULDERS DURING TIME PERIODS WHEN PERMANENT SEEDING IS NOT ALLOWED. SOME OR ALL OF THE CLASS 7 SEEDING AND MULCH WILL BE DELETED IF IT IS POSSIBLE TO PLACE PERMANENT SEEDING ON EARTH SHOULDERS AT THE TIME OF THEIR COMPLETION.

G.N.-302  
WHERE SMALL QUANTITIES OF LIME MODIFICATION ARE SHOWN IN THE PLANS, SUBBASE GRANULAR MATERIAL, TYPE A MAY BE SUBSTITUTED AND CONSTRUCTED ACCORDING TO THE APPLICABLE PORTIONS OF SECTION 311. THE DEPTH OF THE SUBBASE GRANULAR MATERIAL SHALL BE THE SAME AS THE PROPOSED DEPTH OF THE LIME MODIFICATION. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR PROCESSING LIME MODIFIED SOILS OF THE DEPTH SPECIFIED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.406D  
ALL LEVELING BINDER OR BINDER SHALL BE GIVEN A FOG COAT OF PRIME BEFORE THE SURFACE COURSE IS PLACED WHEN DIRECTED BY THE ENGINEER.

THE FOG COAT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER GALLON FOR BITUMINOUS MATERIAL (PRIME COAT) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

FOR THE PAY ITEM BITUMINOUS MATERIAL (PRIME COAT), EITHER RC-70 OR AN EMULSIFIED POLYMER PRIME SS-1HP SHALL BE USED.

G.N.-482  
ALL MATERIAL PLACED AS BITUMINOUS SHOULDERS SUPERPAVE SHALL BE COMPACTED TO 93-97 PERCENT OF THE MAXIMUM THEORETICAL DENSITY. THIS REQUIREMENT SHALL APPLY TO BOTH B.A.M. AND IL 9.5L GRADATION SHOULDER MIXES. THIS MAXIMUM DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE OF FOUR TESTS AS IN OTHER QC/OA TESTING. A NUCLEAR GAUGE DENSITY/CORE CORRELATION SHALL BE PERFORMED FOR BOTH THE B.A.M. AND IL 9.5L MIXES USING STANDARD CORRELATION PROCEDURES.

G.N.-540  
THE CONTRACTOR SHALL ASSEMBLE AND MATCH-MARK THE PRECAST BOX CULVERT SECTIONS AND END SECTIONS PRIOR TO SHIPMENT OF THESE COMPONENTS FROM THE MANUFACTURER, AND AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER FIT ON EACH JOINT. ANY SECTIONS OR END SECTIONS WHICH DO NOT PROVIDE A PROPER FIT AT THE JOINT SHALL BE REJECTED BY THE ENGINEER AND REPLACED BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION BEING ALLOWED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR PRECAST CONCRETE BOX CULVERTS OF THE SIZE SPECIFIED.

G.N.-542  
BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.

G.N.-542.07  
AT LOCATIONS WHERE END SECTIONS ARE SPECIFIED, CAST-IN-PLACE CONCRETE HEADWALLS WILL NOT BE ALLOWED.

G.N.-542B  
ALL THE ENTRANCE CULVERTS LENGTHS SHOWN IN THE PLANS WERE CALCULATED WITH THE ASSUMPTION THAT METAL PIPES AND METAL END SECTION WOULD BE USED.

G.N.-542D  
THIS WORK SHALL CONSIST OF REPLACING THE EXISTING ENTRANCE CULVERTS AT LOCATIONS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. PRIOR TO REPLACING THE CULVERT THE DITCH SHALL BE CLEANED FOR 25 FEET EACH WAY FROM THE ENDS OF THE CULVERT AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR PIPE CULVERTS OF THE TYPE AND SIZE SPECIFIED AND SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY TO COMPLETE THE WORK AS HEREIN SPECIFIED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-631  
IF THE CONTRACTOR ELECTS TO USE THE ALTERNATE MOUNTING METHOD OF THRU DRILLING THE MOUNTING HOLES FOR THE TRAFFIC BARRIER TERMINALS, TYPE 6, THE HOLES SHALL BE DRILLED USING A CORE DRILL. A HAMMER DRILL WILL NOT BE ALLOWED.

G.N.-Z0038  
A BRONZE TABLET OF THE TYPE SHOWN ON STANDARD 667101 SHALL BE PLACED ON THE PROPOSED STRUCTURE AS DIRECTED BY THE ENGINEER. THE BENCH MARK ELEVATION WILL BE ESTABLISHED AND MARKED BY THE STATE.  
ESTIMATED QUANTITY:  
1 EACH\*\*PERMANENT BENCH MARK

G.N.-1004.01  
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

G.N.-1004.03  
REVISE ARTICLE 1004.03 (c) NOTE 5/ OF THE STANDARD SPECIFICATIONS TO READ:  
'5/ GRADATION CA-16 SHALL BE USED IN LIEU OF CA-13 WHEN THE SURFACE COURSE IS LESS THAN 1 3/4 INCHES IN THICKNESS. CA-13 OR CA-16 MAY BE USED WHEN THE SURFACE COURSE IS 1 3/4 INCHES OR MORE IN THICKNESS.

THESE PLANS HAVE BEEN PREPARED USING STANDARD SYMBOLS AS INDICATED IN THESE PLANS, AND THEY SHALL TAKE PRECEDENT OVER THOSE SHOWN ON STANDARD 000001 IF THERE IS A CONFLICT.

WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER OR AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE FOLLOWING IS A LIST OF NAMES OF IDENTIFIED UTILITY COMPANIES HAVING UTILITIES LOCATED ALONG THIS SECTION. COLES - MOULTRIE ELECTIC COOPERATIVE, CONSOLIDATED COMMUNICATIONS, AMEREN CIPS.

SEEDING, CLASS 2 SHALL BE USED ALONG PROPOSED C.H. 18. SEEDING, CLASS 2A SHALL BE USED IN THE INTERCHANGE AREA WITHIN THE ACCESS CONTROL LIMITS, EXCEPT WHERE SHOWN ON THE WETLAND PLANS. SEEDING, CLASS 3 SHALL BE USED AT THE 2:1 SLOPES AT THE STRUCTURE OVER F.A.I. 57.

THE DELINEATORS REMOVED FOR THE RAMP CONSTRUCTION SHALL BE REMOVED IN A MANNER THAT WILL NOT CAUSE ANY DAMAGE TO THE EXISTING POST OR REFLECTORS. THE REMOVED DELINEATORS SHALL BE REINSTALLED ALONG THE INTERCHANGE RAMPS. SEE STANDARD 635001 AND SECTION 635 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE BASED ON FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE. BURIED UTILITIES ARE NOT SHOWN IN THE CROSS SECTIONS. THE CONTRACTOR SHALL OBTAIN EXACT UTILITY LOCATIONS FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

ADDITIONAL DEPTH REQUIRED IN DRAINAGE STRUCTURES DUE TO CONFLICTS WITH OTHER UTILITY LINES WILL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE BID FOR DRAINAGE STRUCTURES AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

UTILITY ADJUSTMENTS SHALL BE MADE BY THE UTILITY COMPANIES UNLESS NOTED OTHERWISE.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

A TEST STRIP SHALL BE CONSTRUCTED FOR THE BINDER COURSE MATERIAL ONLY.

A 12" LAYER OF LIME IMPROVED SUBGRADE WITH A TREATMENT RATE OF 4.5% (45LBS OF BY-PRODUCT LIME AND 5 GALLONS OF WATER PER SQUARE YARD OF SUBGRADE SOIL PROCESSED 1 FOOT DEEP) WAS USED FOR ESTIMATING QUANTITIES. THE EXACT PERCENT OF LIME WILL BE DETERMINED BY TESTING REPRESENTATIVE SUBGRADE SOIL SAMPLES WITH THE BY-PRODUCT LIME TO BE USED ON THE JOB

ELEVATION DATUM IS BASE ON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD29)

THE FOLLOWING CONVERSION FACTORS WERE USED TO COMPUTE QUANTITIES:  
BITUMINOUS MATERIALS (PRIME COAT) 0.10 GAL./SQ.YD. (BETWEEN BINDER & SURFACE COURSE)  
0.50 GAL./SQ.YD. (ON AGGREGATE BASES)

AGGREGATE (PRIME COAT) 4 LBS./SQ.YD.  
CA-6 (ROCK FILL CAP AND AGGREGATE SHOULDERS, TY A) 135 pcf  
ROCK FILL CORE 115 pcf  
AGGREGATE SURFACE COURSE & BASE COURSE  
TYPE B 2.05 TON/CY  
BIT. CONC. SURFACE COURSE, SUPERPAVE, IL 9.5L (LOW ESAL) AND  
INCIDENTAL BITUMINOUS SURFACING 112 LB/SY/IN.

PROPOSED CULVERT INVERT ELEVATIONS ARE BASED ON INFORMATION FROM AERIAL MAPPING. THE CONTRACTOR SHALL VERIFY EXISTING GROUND ELEVATIONS AT CULVERT LOCATIONS. THE ENGINEER MAY ADJUST PROPOSED INVERT ELEVATIONS WHERE NECESSARY TO MEET ACTUAL FIELD CONDITIONS.

INTERNET ACCESSIBILITY TO THE BITUMINOUS PLANT QUALITY CONTROL LAB WILL BE PROVIDED SO THAT BITUMINOUS PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THIS WORK SHALL BE INCLUDED IN THE COST OF ALL BITUMINOUS PAY ITEMS.

GN 406H

MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION(S):	CH 18	CH 18 / TR 700E	CH 18 / 700E	700E	780E / 800E / 870E / 900E	ALL	ALL
MIXTURE USE(S):	2" POLYMER SURFACE	TOP 2.25" POLYMER BINDER	BOTTOM BINDER	2" POLYMER SURFACE	SURFACE & ALL INCIDENTAL	TOP 2" ALL BIT. SHLD. EXCEPT FOR SHT. 4 NOTE LOCATIONS.	BOTTOM SHOULDER LIFTS (2/4" MIN. LIFT)
AC/PG:	SBS PG 64-28	SBS PG 64-28	PG 64-22	SBS PG 64-28	PG 64-22	PG 58-22	PG 58-22
RAP %: (MAX)	0	0	25	0	30	30	30
DESIGN AIR VOIDS:	4.0% @ Ndes = 70	4.0% @ Ndes = 70	4.0% @ Ndes = 70	4.0% @ Ndes = 70	3.0% @ Ndes = 30	3.0% @ Ndes = 30	2.0% @ Ndes = 30
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5	IL 19.0	IL 19.0	IL 9.5	IL 9.5L	IL 9.5L	B.A.M.
FRICTION AGGREGATE:	MIX D	N/A	N/A	MIX C	MIX C	MIX C	N.A.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p style="text-align: center;"><b>GENERAL NOTES.</b> FAI-57, FAS 642 SEC NO. 15-23K, 99-00124-02-PV COLES COUNTY, ILLINOIS</p> <p>SCALE: NOT TO SCALE      DRAWN BY    DJP DATE 08/08/2005      CHECKED BY   SKM</p>

LAYOUT 12/26/03  
 DRAWN 12/26/03  
 REVIEWED 01/09/04  
 08/08/2005  
 15-23K-02-PV-00124-02-PV-013

