

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 321	05-00057-02-RS	IROQUOIS	100	2
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO.	
CONTRACT NO. 87322				

GENERAL NOTES

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007", (HERE IN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2008; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE DETAILS IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE DOCUMENTS.

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

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS INCLUDED IN THESE PLANS.

THE LOCATION OF EXISTING GAS MAINS, ELECTRIC POWER LINES, TELEPHONE, AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE. IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION

THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL COMMERCIAL, PRIVATE AND FIELD ENTRANCES AT ALL TIMES EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE 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 INCLUDED IN THE COST OF EARTH EXCAVATION.

ALL DISTURBED AREAS WITHIN THE CONSTRUCTION LIMITS SHALL BE FERTILIZED AND SEEDED. SEEDING SHALL BE CLASS 2 (SPECIAL) ACCORDING TO THE APPLICABLE ARTICLES OF SECTION 250 OF THE STANDARD SPECIFICATIONS. SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.

EARTHWORK COMPACTION SHALL BE TO THE SATISFACTION OF THE ENGINEER.

AT ALL LOCATIONS WHERE THE PROPOSED HOT-MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT-MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

ALL SAW CUTTING OF EXISTING PAVEMENT SHALL BE CONSIDERED IN THE PAY ITEM INVOLVED. THE MINIMUM SAW DEPTH IN THE PAVEMENT SHALL BE 1/2" UNLESS OTHERWISE NOTED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123. A MINIMUM OF 48 HOURS ADVANCED NOTICE IS REQUIRED.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

GRANULAR MATERIALS:	2.05 TONS / CU YD
BITUMINOUS MATERIALS PRIME COAT (ON PAVEMENT):	0.1 GAL / SQ YD
BITUMINOUS MATERIALS PRIME COAT (INTERMEDIATE LIFTS (FOG COAT)):	0.04 GAL / SQ YD
BITUMINOUS MATERIALS PRIME COAT (ON AGGREGATE SURFACE):	0.35 GAL / SQ YD
AGGREGATE PRIME COAT:	0.002 TONS / SQ YD
HMA RESURFACING:	112 LBS / SQ YD / INCH OF THICKNESS
SHORT TERM PAVEMENT MARKING:	10 FT / 100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS:	0.0003 TONS / SY YD
LEVEL BINDER (MACHINE METHOD):	112 LBS / SQ YD / INCH OF THICKNESS
SUPPLEMENTAL WATERING:	3 GAL / SQ YD / APPLICATION
CALCIUM CHLORIDE:	2 LB / SQ YD / APPLICATION
TEMPORARY DITCH CHECKS:	5 TONS AGGREGATE
RIPRAP:	1.75 TONS / CU YD

	HMA LEVELING BINDER	HMA SURFACE	HMA SHOULDERS 6" and 3"	INCIDENTAL HMA SURFACING
PG GRADE	PG58-22	PG64-22	PG58-22	PG64-22
MAX % RAP ALLOWABLE**	25%	15%	50%	15%
DESIGN AIR VOIDS	4% @ N50	4% @ N50	3% @ N50	4% @ N50
MIXTURE COMPOSITION	IL 9.5	IL 12.5 OR IL 9.5	IL 19.0	IL 12.5 OR IL 9.5
FRICTION AGGREGATE		MIXTURE C		MIXTURE C
DENSITY	SATISFACTION OF ENGINEER	NUCLEAR/ CORES	*NUCLEAR/ CORES	NUCLEAR/ CORES

* MATERIAL SHALL BE COMPACTED TO 93.0-97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUB GRADE THAT MINIMUM PERCENT COMPACTION SHALL BE 92 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QA/QC SPECIFICATIONS.
** IF THE RAP PERCENTAGE IS DIFFERENT THAN LISTED ABOVE, THE PG GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER

THE FOLLOWING PAY ITEMS HAVE BEEN INCLUDED TO ESTABLISH UNIT RATES:

CLASS D PATCHES, TYPE II, 11 INCH
CLASS D PATCHES, TYPE III, 11 INCH
CLASS D PATCHES, TYPE IV, 11 INCH

HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	
	
ELGIN • SPRINGFIELD	
PROJECT NUMBER: 03-46-0001-1	DATE: 03/04/08
DESIGNED: L.F.S.	CHECKED: _____ DRAWN: W.J.S.

GENERAL NOTES AND MIXTURE REQUIREMENTS
F.A.S. 321 / C.H. 4
SECTION 05-00057-02-RS
IROQUOIS COUNTY