

F.A.I. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	(06-4HB-1D)	BUREAU	32	3
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT PERMISSION FROM THE DEPARTMENT.
- THE REMOVAL OF BITUMINOUS SURFACING NOT ON A FLEXIBLE TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PAVEMENT REMOVAL. THE REMOVAL OF BITUMINOUS SURFACING ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PAVEMENT REMOVAL.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- THE WEIGHT OF BITUMINOUS CONCRETE SURFACE COURSE USED IN CALCULATING QUANTITIES IS BASED ON 112 POUNDS PER INCH OF THICKNESS PER SQUARE YARD.
- THE FINAL TOP 100MM (FOUR INCHES) OF SOIL IN ANY RIGHT-OF-WAY AREA DISTRIBUTED BY THE CONTRACTOR MUST BE CAPABLE OF SUPPORTING VEGETATION. THE SOIL MUST BE FROM THE A HORIZON (ZERO TO 2' DEEP) OF SOIL PROFILES OF LOCAL SOILS.
- THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 2A SHALL BE USED. THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC METER (CUBIC YARD) FOR EARTH EXCAVATION.
- FERTILIZER SHALL BE APPLIED TO ALL DISTRIBUTED 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. THIS WORK SHALL BE INCLUDED IN THE EARTH EXCAVATION
- PREVIOUSLY PUGMILLED STOCKPILES OF "TYPE A" OLDER THAN 1 MONTH WILL NOT BE APPROVED FOR USE UNTIL A MOISTURE CHECK IS RUN TO VERIFY MOISTURE CONTENT. MATERIAL SHIPPED TO PROJECTS WITHOUT BEING TESTED WILL NOT BE ACCEPTED.
- EXCEPT FOR THE TOP 75 MM (3"), ALL AGGREGATE BASES AND SUBBASES 300 MM (12") IN THICKNESS SHALL BE CONSTRUCTED OF AGGREGATE GRADATION CA-2. IF THE SPECIFIED THICKNESS EXCEEDS 300 MM (12"), THE BASES OR SUBBASES SHALL BE CONSTRUCTED OF TOPSIZE 150 MM (6") BREAKER-RUN CRUSHED STONE WITH 70% TO 90% BY WEIGHT, PASSING THE 4" SIEVE AND 15% TO 40% BY WEIGHT, PASSING THE 50 MM (2") SIZE SIEVE, EXCEPT FOR THE TOP 75 MM (3"). THE BREAKER-RUN CRUSHED STONE SHALL BE REASONABLY UNIFORMLY GRADED FROM COARSE TO FINE AND BE TAKEN FROM QUARRY LEDGE CAPABLE OF PRODUCING CLASS "D" QUALITY AGGREGATE. THE TOP 75 MM (3") SHALL BE GRADATION CA-6 OR CA-10 REGARDLESS OF THICKNESS. THE WATER NECESSARY TO ACHIEVE COMPACTION IN ALL BUT THE TOP 75 MM (3") LAYER MAY BE ADDED AFTER THE SUBBASE OR BASE COURSE IS PLACED ON THE GRADE.
- ON FULL DEPTH PAVEMENT, SHOULDER WIDTHS OF 1.8 M (6 FT) OR LESS MAYBE PLACED, AT THE CONTRACTOR'S OPTION, SIMULTANEOUSLY WITH THE ADJACENT TRAFFIC LANE FOR BOTH THE BINDER AND SURFACE COURSES, PROVIDED THE CROSS SLOPE OF BOTH THE PAVEMENT AND SHOULDER CAN BE SATISFACTORILY OBTAINED. THE SHOULDER WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE METER (SQUARE YARD) FOR BITUMINOUS SHOULDERS OF THE THICKNESS SPECIFIED ON THE PLANS.
- BITUMINOUS PRIME COAT SHALL BE PLACED IN ACCORDANCE WITH SECTION 406 OF THE STANDARD SPECIFICATIONS. THE COST OF THE PRIME COAT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER METRIC TON (TON) FOR LEVELING BINDER (MACHINE METHOD) OR BITUMINOUS CONCRETE SURFACE COURSE OF THE TYPE SPECIFIED.
- THIS STRUCTURE WILL RETAIN THE SAME NUMBER 006-0116
- THE CONTRACTOR SHALL SUBMIT FOUR COPIES OF THE REQUIRED SHOP DRAWINGS FOR REVIEW AND APPROVAL TO THE BUREAU OF BRIDGES AND STRUCTURES, 2003 SOUTH DIRKSEN PARKWAY, SPRINGFIELD, IL 62764. AFTER APPROVAL OF INITIAL SUBMITTAL, THE CONTRACTOR SHALL SUBMIT ONE SET OF SHOP DRAWINGS TO ERIC HARM, ENGINEER OF MATERIALS, 126 EAST ASH STREET, SPRINGFIELD, IL 62706, AND EIGHT (8) SHEETS OF SHOP DRAWINGS TO BE DISTRIBUTED TO:

DISTRICT 2 DISTRICT ENGINEER (1)
 FABRICATOR (1)
 CONTRACTOR (2)
 RESIDENT ENGINEER (2)
 DISTRICT 2 BUREAU OF MATERIALS (2)

- PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:
 - ALL WORDS, SUCH AS ONLY, SHALL BE 2.4 M (8 FEET) HIGH.
 - ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
 - THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 200 MM (8"), NOT 180 MM (7") AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.
- PERMANENT SURVEY MARKERS, TYPE II, SHALL BE SET AT INTERVALS OF 1.6 KM (1 MILE) OR AS DIRECTED BY THE ENGINEER. BRIDGE OR CULVERT PROJECTS SHALL HAVE TWO SURVEY MARKERS PLACED NEAR THE STRUCTURE. ESTIMATED: 2 EACH.
- PERMANENT SURVEY MARKERS, TYPE II SHALL BE CAST-IN-PLACE AS SHOWN ON HIGHWAY STANDARD 667101.
- THE CONTRACTOR SHALL PLACE A PERMANENT SURVEY MARKER, TYPE II, USING THE USGS TABLE PROVIDED AT THE LOCATION DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DESCRIPTION OF LOCATION, ELEVATION, AND COORDINATES FOR EACH PERMANENT SURVEY MARKER. THE ENGINEER SHALL SUBMIT THIS INFORMATION TO THE SURVEY CREW.
- REMOVAL AND RE-ERECTION OF THE FENCE (FOR CONSTRUCTION OF THE WINGWALLS) WILL BE INCLUDED IN THE COST OF THE REMOVAL OF EXISTING CONCRETE DECK
- THE CONTRACTOR SHALL REMOVE AND PROTECT ALL EXISTING THRIE BEAM GUARDRAIL AND DELIVER TO THE LANGLY MAINTENANCE YARD (IL RTE 40/1-80). PLEASE CONTACT ALEX PATELLI - MAINTENANCE FIELD TECHNICIAN WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION AT (815) 875-2287 FOR DELIVERY INSTRUCTIONS. COST OF THIS WORK TO BE INCLUDED IN THE COST OF REMOVAL OF EXISTING CONCRETE DECK.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

VERIZON AMEREN IP NICOR GAS CO.

- THE APPLICABLE PORTIONS OF ARTICLE 105.07 OF THE STANDARD SPECIFICATION SHALL APPLY EXCEPT FOR THE FOLLOWING: THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE THE VERTICAL DEPTHS OF THE UNDERGROUND UTILITIES WHICH MAY INTERFERE WITH CONSTRUCTION OPERATIONS. THIS WORK WILL NOT BE MEASURED OR PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICE FOR THE ITEM OF CONSTRUCTION INVOLVED. PER SB 699 (90 DAY UTILITY RELOCATION LAW), ONCE RIGHT-OF-WAY IS CLEAR TO AWARD THE PROJECT, A NOTICE WILL BE SENT TO THE UTILITY COMPANIES INSTRUCTING THEM TO HAVE THEIR FACILITIES RELOCATED WITHIN 90 DAYS. ESTIMATED DATE RELOCATION COMPLETE = LETTING DATE + 135 DAYS.
- CADD DATA WILL BE AVAILABLE TO CONTRACTORS AND CONSULTANTS WORKING ON THIS PROJECT. THIS INFORMATION WILL BE PROVIDED UPON REQUEST AS MICROSTATION CADD FILES AND GEOPAK COORDINATE GEOMETRY FILES ONLY. IF DATA IS REQUIRED IN OTHER FORMATS IT WILL BE YOUR RESPONSIBILITY TO MAKE THOSE CONVERSIONS. IF ANY DISCREPANCY OR INCONSISTENCY ARISES BETWEEN THE ELECTRONIC DATA AND THE INFORMATION ON THE HARD COPY, THE INFORMATION ON THE HARD COPY SHOULD BE USED. CONTACT THE DISTRICT'S PROJECT ENGINEER TO REQUEST THESE FILES.
- THE CONTRACTOR SHALL CONTACT THE BUREAU COUNTY ENGINEER - JEFF PEACOCK AT (815) 875-4477 FOR SETUP AND PLACEMENT OF TWO CHANGEABLE MESSAGE SIGNS. THE ADDRESS FOR THE BUREAU COUNTY ENGINEER IS: RTE. 34 E, PRINCETON, IL. 61356.
- THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

BITUMINOUS MIXTURE REQUIREMENTS						
OPERATION	ITEM	AC TYPE	VOIDS	MAX RAP %	MIX TYPE	20 YEAR ESAL
ROADWAY RECONSTRUCT. (FULL-DEPTH)	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	PG 58-22	3% @ 50 GYR	15%	IL 9.5 OR 12.5	0.01
	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50	PG 58-22	3% @ 50 GYR	25%	IL 19.0	
ROADWAY RESURFACING	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	PG 58-22	3% @ 50 GYR	15%	IL 9.5 OR 12.5	0.01
	LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N50	PG 58-22	3% @ 50 GYR	25%	IL 9.5	
BITUMINOUS SHOULDER	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	PG 58-22	3% @ 50 GYR	15%	IL 9.5 OR 12.5	0.01
	BITUMINOUS SHOULDER, SUPERPAVE, 6"	PG 58-22	2% @ 30 GYR	50%	BAM	

** IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE MATERIALS ENGINEER.

HIGHWAY STANDARDS

STANDARD NUMBER	DESCRIPTION
00001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001	AREAS OF REINFORCING BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
515001-02	NAME PLATE FOR BRIDGES
606001-02	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-06	STEEL PLATE BEAM GUARDRAIL
631031-05	REFLECTOR AND TERMINAL MARKER PLACEMENT
635006-02	REFLECTOR MARKER AND MOUNTING DETAILS
635011-01	TRAFFIC BARRIER TERMINAL, TYPE 6
667101	PERMANENT SURVEY MARKERS
701101-01	OFF-ROAD OPERATINS, MULTILANE 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE
701106-01	OFF ROAD OPERATIONS, MULTILANE, MORE THAN 4.5m (15') AWAY
701301-02	LANE CLOSURE, 2L, 2W, SHORT TERM OPERATIONS
701400-02	APPROACH TO LANE CLOSURE, FREEAY/EXPRESSWAY
701406-04	LANE CLOSURE, FREEWAY/EXPRESSAY, DAY OPERATIONS ONLY
702001-06	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAS 244 (BACKBONE ROAD)
 BRIDGE REHABILITATION
 GENERAL NOTES, HIGHWAY STANDARDS
 & BITUMINOUS MIXTURE TABLE
 DATE: 2/17/06
 GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
 CHICAGO, ILLINOIS