

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	111RS-4, 111BR-1, Yc-15d-RS-1, & (W-15d)T-1	STEPHENSON & WINNEBAGO	335	3
STA.		TO STA.		
FED. ROAD DIST. NO. 2		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 64970				

GENERAL NOTES

SEE CROSS SECTIONS FOR SPECIAL DITCHES AND BACKSLOPES.

THE REMOVAL OF BITUMINOUS SURFACING NOT ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION. 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 OF THE TYPE SPECIFIED.

THE TOPSOIL EXCAVATION QUANTITIES HAVE BEEN ADJUSTED TO ALLOW FOR 25% SHRINKAGE OF TOPSOIL BETWEEN REMOVAL AND REPLACEMENT.

THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 4 OR 2A SHALL BE USED, EXCEPT IN FRONT OF PROPERTIES WHERE THE GRASS WILL BE MOWED, THEN USE SEEDING, CLASS 1. CLASS 2A SHALL BE USED ON FRONT SLOPES AND DITCH BOTTOMS. CLASS 4 SHALL BE USED BEHIND TYPE A GUTTER, ON ALL BACKSLOPES AND AREAS BEHIND THE BACKSLOPE, AND BEYOND THE TOE OF FRONT SLOPE ON FILL SECTIONS WITHOUT DITCHES.

PREVIOUSLY PUGMILLED SOTCKPILES 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.

PLACEMENT AND COMPACTION OF THE BACKFILL FOR PROPOSED ACROSS ROAD CULVERTS AND EXISTING ACROSS ROAD CULVERTS THAT ARE REMOVED SHALL CONFORM TO SECTION 502.10 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT THE MATERIAL SHALL CONFORM TO ARTICLE 208.02 OF THE STANDARD SPECIFICATIONS, AND SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD LABORATORY DENSITY. ANY MATERIAL CONFORMING TO THE REQUIREMENTS OF ARTICLE 1003.04 OR 1004.05 WHICH HAS BEEN EXCAVATED FROM THE TRENCHES SHALL BE USED FOR BACKFILLING THE TRENCHES. THE ENTIRE EXCAVATION, WITHIN 2 FEET OUTSIDE OF EACH SHOULDER, SHALL BE BACKFILLED WITH TRENCH BACKFILL MATERIAL TO THE BOTTOM OF THE PROPOSED SUBGRADE. THIS TRENCH BACKFILL MATERIAL WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE CLASS OF CONCRETE INVOLVED OR OTHER UNIT PRICE ITEM OF THE WORK FOR WHICH IT IS REQUIRED.

THE SUBGRADE ON THIS PROJECT, EXCLUSIVE OF ROCK CUT AREAS IS SCHEDULED TO BE IMPROVED TO A 300 mm (12") DEPTH ACCORDING TO MECHANISTIC PAVEMENT DESIGN. THE AREAS SCHEDULED TO BE IMPROVED TO A DEPTH GREATER THAN 300 mm (12") ARE ESTIMATED BASED ON THE ORIGINAL GEOTECHNICAL INVESTIGATION. THE SUBGRADE SHALL BE PROCESSED IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS BEFORE THE ENGINEER SHALL DETERMINE THE LIMITS AND THE ADDITIONAL THICKNESS OF IMPROVEMENT REQUIRED, IF ANY. ANY ADDITIONAL UNDERCUTTING REQUIRED AFTER THIS EVALUATION SHALL BE PAID FOR AS EARTH EXCAVATION.

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 A QUARRY LEDGE CAPABLE OF PRODUCING CLASS "D" QUALITY AGGREGATE. THE TOP 75MM (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.

ALL EMBANKMENT CONSTRUCTED OF COHESIVE SOIL SHALL BE CONSTRUCTED WITH NOT MORE THAN 110% OF OPTIMUM MOISTURE CONTENT, DETERMINED BY THE STANDARD PROCTOR TEST. COHESIVE SOIL SHALL BE DEFINED AS ANY SOIL WHICH CONTAINS GREATER THAN 10% PARTICLES BY WEIGHT PASSING THE #200 SIEVE. THE 110% OF OPTIMUM MOISTURE LIMIT MAY BE WAVED IN FREE-DRAINING GRANULAR MATERIAL WHEN APPROVED BY THE ENGINEER.

ALL CULVERT OFFSETS ARE MEASURED PERPENDICULAR FROM THE BASELINE TO THE END OF THE CENTER BARREL OF THE CULVERT.

WHEN LAYING OUT FOR PATCHING, THE MINIMUM DISTANCE BETWEEN NEW PATCHES (SAW CUT TO SAW CUT) SHALL BE 15 FEET. WHEN PATCH SPACING IS LESS THAN 15 FEET, THE PAVEMENT BETWEEN PATCHES SHALL ALSO BE REMOVED AND REPLACED.

THE EXISTING HOT-MIX ASPHALT SURFACE ON PRIVATE AND COMMERCIAL ENTRANCES SHALL BE BLADED OFF OR MILLED AND DISPOSED OF OUTSIDE THE PROJECT LIMITS. THE COST OF THE BLADING, MILLING, ROLLING, AND DISPOSAL IS INCLUDED IN THE CONTRACT UNIT PRICE FOR "INCIDENTAL HOT-MIX ASPHALT SURFACING".

THE CONTRACTOR WILL BE REQUIRED TO FURNISH 5 1/2" HIGH BRASS STENCILS AS APPROVED BY THE ENGINEER AND INSTALL STATIONING AT 250' INTERVALS. STATIONING SHALL BE PLACED ON BOTH LANES OF 2-LANE HIGHWAYS AND ON THE OUTSIDE LANES IN BOTH DIRECTIONS ON 4-LANE HIGHWAYS. THE STATIONS SHALL BE PLACED 6" INSIDE THE PAVEMENT MARKING EDGE SO THEY CAN BE READ FROM THE SHOULDER. THIS WORK WILL BE INCLUDED IN THE COST OF THE FINAL PAVEMENT SURFACE.

REFLECTIVE CRACK CONTROL SHALL BE PLACED ON THE EXISTING SURFACE PRIOR TO ANY RESURFACING, UNLESS PAVEMENT IS MILLED THEN IT WILL BE PLACED ON THE BINDER COURSE.

A NATIONWIDE 404 PERMIT HAS BEEN ISSUED FOR THIS PROJECT AND THE CONDITIONS OF THAT PERMIT MUST BE ADHERED TO.

THE NEW NUMBERS FOR THESE STRUCTURES WILL BE:

SN 089-0084	(BRIDGE)
SN 089-1100	(CULVERT #1)
SN 089-1069	(CULVERT #2)
SN 089-1094	(CULVERT #3)
SN 089-1101	(CULVERT #4)
SN 089-1093	(CULVERT #5)
SN 101-1094	(CULVERT #6)
SN 101-1320	(CULVERT #7)
SN 101-2048	(CULVERT #8)
SN 101-1088	(CULVERT #9)
SN 101-1319	(CULVERT #10)
SN 101-2049	(CULVERT #11)
SN 101-1089	(CULVERT #12)
SN 101-1051	(CULVERT #13)
SN 101-1083	(CULVERT #14)
SN 101-1082	(CULVERT #15)
SN 089-1092	(CULVERT #16)
SN 089-1090	(CULVERT #17)
SN 089-1091	(CULVERT #24)

THE CONTRACTOR SHALL SUBMIT FOUR COPIES OF THE REQUIRED SHOP DRAWINGS FOR REVIEW AND APPROVAL TO THE BUREAU OF BRIDGES AND STRUCTURES, 2300 SOUTH DIRKSEN PARKWAY, SPRINGFIELD, IL 62764. AFTER APPROVAL OF INITIAL SUBMITTAL, THE CONTRACTOR SHALL SUBMIT ONE SET OF SHOP DRAWINGS TO DAVE LIPPERT, ENGINEER OF MATERIALS, 126 EAST ASH STREET, SPRINGFIELD, IL 62706, AND EIGHT (8) SETS 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)

THE THICKNESS FOR THE BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE) ADJACENT TO EXISTING PAVEMENT SHALL BE A MINIMUM OF 300 mm (12"). THE MATERIAL SHALL BE 50 mm (2") HOT-MIX ASPHALT SURFACE COURSE, AND THE REMAINING THICKNESS SHALL BE HOT-MIX ASPHALT BINDER COURSE.

AT BRIDGE EXPANSION JOINTS, IF TEMPORARY EXPANSION JOINT BULKHEADS ARE ATTACHED TO ADJACENT DECK SLABS OR ABUTMENTS FOR SUPPORT, THE CONTRACTOR SHALL CUT THE ATTACHMENTS AS SOON AS THE CONCRETE HAS SET TO PREVENT JOINT DAMAGE DUE TO HORIZONTAL CONTRACTION OR EXPANSION.

THE CURB IS REQUIRED ON THE BRIDGE APPROACH PAVEMENT AS SHOWN ON THE BRIDGE APPROACH PAVEMENT DETAILS.

REFLECTOR MARKERS TYPE B SHALL BE INSTALLED ON THE TOP OF THE BRIDGE PARAPET WALLS. THE MARKERS SHALL BE ACCORDING TO STANDARD 635011 AND THE COLOR AND SPACING ACCORDING TO STANDARD 635006, EXCEPT THE MINIMUM IS 2 PER SIDE.

THE BORING LOGS FOR THESE STRUCTURES INDICATE THAT GROUNDWATER LEVELS MAY ENCOACH ON THE CONSTRUCTION LIMITS OF THESE CULVERTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL THE GROUND WATER AND DIVERT THE STREAM FLOW DURING CONSTRUCTION IN ORDER TO KEEP THE CONSTRUCTION AREA FREE OF WATER. THE METHOD OF CONTROLLING THE WATER SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER AND THE COST SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PRECAST CONCRETE BOX CULVERTS.

CULVERT & BRIDGE FLOWS MUST BE MAINTAINED THROUGHOUT THE PROJECT. NORMAL FLOW SHALL BE ALLOWED TO PASS AT THE RATE IT ENTERS THE JOBSITE. HIGH FLOWS SHALL BE ALLOWED TO PASS WITHOUT CAUSING DAMAGE TO UPSTREAM PROPERTIES.

THE PROPOSED PIPES FOR ENTRANCES AND SIDE ROADS SHALL BE PLACED IN LINE WITH THE EXISTING OR PROPOSED DITCH LINE.

THE MATERIAL NECESSARY TO BACKFILL THE CULVERT EXTENSIONS SHALL BE OBTAINED FROM EARTH EXCAVATION AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

THE CONTRACTOR SHALL CLEAN OUT ALL AR CULVERTS BEING EXTENDED AND STREAM FLOWS TO THE RIGHT-OF-WAY LINES. THE COST SHALL BE IN THE CONTRACT UNIT PRICE FOR CULVERT TO BE CLEANED.

THE CONTRACTOR SHALL REMOVE ALL ENTRANCE CULVERTS IN CONDITION FOR REUSE WHICH ARE NOT TO BE LEFT IN PLACE. THEY SHALL BE CLEANED AND STORED ALONG THE RIGHT-OF-WAY AS DIRECTED. IN NO CASE SHALL THEY BE ROUGHLY HANDLED OR SHOVED BY HEAVY MACHINERY. UNUSABLE MATERIALS SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE. COST OF THE WORK TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

IT IS ANTICIPATED THAT SEVERAL MAILBOXES WILL REQUIRE RELOCATION TO THE APPROACH SIDE OF THE ENTRANCES. WHEN THIS IS DONE, THE CONTRACTOR SHALL BE REQUIRED TO MOUNT THE MAILBOX ON A 4" X 4" WOOD POST 40 INCHES ABOVE THE SHOULDER SURFACE AND EXTENDING TO A MINIMUM OF 24 INCHES INTO THE EMBANKMENT. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION. THERE ARE AN ESTIMATED 5 MAILBOX TO BE RELOCATED.

IF, DURING THE GRINDING OR RESURFACING OPERATIONS, THE EXISTING MAILBOXES BECOME A HINDRANCE, THE CONTRACTOR SHALL BE REQUIRED TO CAREFULLY REMOVE AND REINSTALL THE MAILBOXES AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE INCIDENTAL HOT-MIX ASPHALT SURFACING.

NOSES OF CURBED CORNER ISLANDS NOTED AS 1 & 2 ON HIGHWAY STANDARD 606301 SHALL BE RAMPED UNLESS THE CURB FUNCTION IS FOR THE PROTECTION OF PEDESTRIANS, SIGNALS, LIGHT STANDARDS OR SIGN TRUSS SUPPORTS.

THE RESIDENT ENGINEER SHALL BE RESPONSIBLE FOR VIDEOTAPING THE CONDITION OF CEDARVILLE ROAD FROM IL ROUTE 75 TO IL ROUTE 70, OF LEECH ROAD FROM IL 70 TO FRITZ ROAD, AND OF FRITZ ROAD FROM DURAND TO LEECH ROAD PRIOR TO AND AFTER CONSTRUCTION TO ASSESS THE DAMAGE TO THE ROADWAY.

NOTIFY KURT GLAZIER OF THE TRAFFIC OPERATIONS SECTION. BUREAU OF OPERATIONS, AT 815-284-5478, TO REVIEW FOR NO PASSING ZONES TWO WEEKS PRIOR TO THE PLACEMENT OF THE FINAL STRIPING.

ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.

MILLING MACHINES ON THIS PROJECT SHALL BE CAPABLE OF REMOVING A LAYER OF BITUMINOUS A MINIMUM OF 6' WIDE AND 1-1/2 INCHES IN DEPTH IN A SINGLE PASS.

TO HELP AVOID EXCESS DROP OFFS AT THE EDGE OF PAVEMENT, THE EXISTING AGGREGATE WEDGE OR SHOULDER IS TO BE PULLED UP AND ROLLED TO MATCH THE EDGE OF PAVEMENT BEFORE PLACING ANY BITUMINOUS MATERIAL. ALL COSTS ASSOCIATED WITH PULLING UP THE SHOULDERS SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE OF THE TYPE SPECIFIED.

CONNECTING BANDS FOR CORRUGATED METAL PIPES SHALL BE METAL AND SHALL BE COATED WITH THE SAME MATERIAL AS THE PIPE SECTIONS. THE CONNETING BANDS SHALL BE A MINIMUM OF 18" WIDE.

GOOD NEIGHBOR POLICY ROUTES FOR THIS PROJECT:

WINNEBAGO COUNTY

PATTERSON RD. FROM IL-75 TO DURAND RD.  
HOLVERSON RD. FROM IL-75 TO DURAND RD.  
N. PECATONICA FROM IL-75 TO TRASK BRIDGE RD.

STEPHENSON COUNTY

ROCK CITY RD. FROM IL 75 TO CEDARVILLE RD.  
EGGERT RD. FROM IL 75 TO CEDARVILLE RD.  
FARWELL BRIDGE RD. FROM FARM SCHOOL RD. TO CEDARVILLE RD.  
FARM SCHOOL RD. FROM DAVIS RD. TO FARWELL BRIDGE RD.  
DAVIS RD. FROM IL 75 TO FARM SCHOOL RD.  
GEOKE RD. FROM CEDARVILLE RD. TO IL 75

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S):	SURFACE	LEVELING BINDER	SHOULDER TOP LIFT	SHOULDER BOTTOM LIFT	BIT OVER PATCHES	BINDER FOR FULL-DEPTH PAVEMENT
PG:	PG 64-22	PG 64-22	PG 58-22	PG 58-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0 @ N50	4.0 @ N50	3.0 @ N50	2.0 @ N50	4.0 @ N50	4.0 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 9.5 FG	IL 9.5 OR 12.5	BAM	IL 19.0	IL 19.0
FRICTION AGGREGATE	D	N/A	C	N/A	N/A	N/A
20 YEAR ESAL	1.3	1.3	N/A	N/A	N/A	1.3

HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12"

CONSISTS OF:

- 2" SURFACE
- 10" BINDER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.P. ROUTE 505 (IL 75)

GENERAL NOTES

SCALE: VERT.  
HORIZ.  
DATE: 3/3/09

DRAWN BY MTH  
CHECKED BY SPF