

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	*	STEPHENSON	290	27
STA.		TO STA.		
FED. ROAD DIST. NO. 2		ILLINOIS	FED. AID PROJECT	
• 177-(3, 4, 4-1)-1				

# GENERAL NOTES

1. SEE CROSS SECTIONS FOR SPECIAL DITCHES AND BACKSLOPES.
2. 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.
3. THE FINAL TOP (6 INCHES) OF SOIL IN ANY RIGHT-OF-WAY AREA DISTURBED 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.
4. THE NUMBER OF CHANGEABLE MESSAGE SIGNS REQUIRED IS FOUR (4).
5. NOT USED
6. THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 4 OR CLASS 6 (MODIFIED) SHALL BE USED. CLASS 6 (MODIFIED) SHALL BE USED ON FRONT SLOPES 1:6 AND ALL THE MEDIAN. CLASS 4 SHALL BE USED BEHIND TYPE A GUTTER, ON ALL BACKSLOPES AND FORESLOPE GREATER OR EQUAL TO 1:3 AND AREAS BEHIND THE BACKSLOPE, AND BEYOND THE TOE OF FRONT SLOPE ON FILL SECTIONS WITHOUT DITCHES. SEEDING CLASS 7 (SPECIAL) SHALL BE USED AT THE WETLAND MITIGATION SITE.
7. WHEN MULCH WITH EMULSIFIED ASPHALT IS APPLIED, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO COVER OR PROTECT ALL TRAFFIC SIGNS, GUARDRAIL AND CURBS. ANY SIGNS, GUARDRAIL OR CURBS WHICH BECOME COVERED WITH ASPHALTIC MATERIAL SHALL BE CLEANED BY THE CONTRACTOR AT HIS OWN EXPENSE.
8. 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. (DIST GN#57)
9. 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.
10. THE ADDITIONAL EMBANKMENT REQUIRED TO BUILD UP THE SHOULDER FOR THE TRAFFIC BARRIER TERMINAL, TYPE 1, AS SHOWN ON THE PLANS, SHALL BE HAULED FROM EXCESS EARTH EXCAVATION FROM WITHIN THE PROJECT AND SHALL BE PLACED PRIOR TO THE INSTALLATION OF THE TERMINAL. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD OF EARTH EXCAVATION. AN ESTIMATED 50 CUBIC YARDS OF EMBANKMENT IS REQUIRED AT EACH TERMINAL LOCATION.
11. 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 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 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.
12. 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 75 mm (#200 SIEVE). THE 110% OF OPTIMUM MOISTURE LIMIT MAY BE WAIVED IN FREE-DRAINING GRANULAR MATERIAL WHEN APPROVED BY THE ENGINEER.
13. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

Mixture Use(s):	EB Overlay		WB Full Depth *		Dit Repl Patches & Flex Con	Side Road/ Top Shoulder	Bottom Shoulder
	Surface	Level Binder	Surface	Binder			
ACPG:	SBS PG 70-22	SBS PG 70-22	SBS PG 70-28	SBS PG 70-28	SBS PG 70-22	PG 58-22	PG 58-22
RAP%: (Max)*	0	0	0	0	0	30	30
Design Air Voids:	4.2@N90	4.2@N90	4.2@N90	4.2@N90	4.2@N90	3@N50	2@N50
Mixture Composition (Gradation Mixture)	IL 9.5 OR 12.5	IL 9.5	IL 9.5 OR 12.5	IL 19.0	IL 19.0	IL 12.5 or 9.5	BAM
Friction Aggregate	Mix D	N/A	Mix D	N/A	N/A	Mix C	N/A
20 Year ESAL	11.9	N/A	11.9	11.9	11.9	N/A	N/A

\* POLYMERIZED BIT. CONC. PAVEMENT, (FULL DEPTH), SUPERPAVE, 14" SHALL BE COMPOSED OF THE FOLLOWING TWO MIXES:  
 - 12" BIT. CONC. BINDER CSE, SUPERPAVE, IL-19, N90  
 - 2" POLY. BIT. CONC. SURF. CSE, SUPERPAVE, MIX "D", N90

14. THE CONTRACTOR WILL BE REQUIRED TO FURNISH 140 MM (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 150 MM (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.
15. ROCK CUT AREAS SHALL HAVE 6 INCHES OF AGGREGATE SUBBASE CONSTRUCTED FROM GRADATION CA-6 OR CA-10. THIS WORK SHALL BE PAID FOR PER TON SUBBASE GRANULAR MATERIAL, TYPE A.

16. GUARDRAIL POSTS MAY BE DRIVEN THROUGH BITUMINOUS SHOULDERS IF THE SHOULDER IS NOT DAMAGED AS DETERMINED BY THE ENGINEER. IF THE SHOULDER IS BEING DAMAGED, THE CONTRACTOR SHALL CORE HOLES IN THE SHOULDER ACCORDING TO ARTICLE 630.06 OF THE STANDARD SPECIFICATIONS.
17. DELINEATORS SHALL BE INSTALLED AS SHOWN IN STANDARD 635001, EXCEPT THAT THE POST SHALL BE ROTATED 180 AND ONLY METAL-BACKED DELINEATORS SHALL BE PERMITTED. (DIST GN#83)
18. USE B-15.15 (B-6.06) OR B-10.15 (B-4.06) CURB AND GUTTER ON ALL SIDES OF ISLANDS WHEN ISLAND IS OFFSET SHOULDER WIDTH, BUT OFFSET SHOULD NOT BE GREATER THAN 2.4 M (8 FEET) EDGE TO FACE. (DIST GN#58)
19. 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 MATERIAL 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.
20. THE PROPOSED PIPES FOR ENTRANCES AND SIDE ROADS SHALL BE PLACED IN LINE WITH THE EXISTING OR PROPOSED DITCH LINE, UNLESS OTHERWISE NOTED.
21. GRADING QUANTITIES FOR THE CONSTRUCTION OF THE TRAFFIC BARRIER TERMINALS, AS SHOWN IN THE PLANS, ARE INCLUDED IN THE QUANTITY FOR EARTH EXCAVATION.
22. SALVAGE EXISTING DELINEATORS WITHIN THE PROJECT LIMITS AND PLACE ONE AT EACH END OF APPROACH GUARDRAIL TERMINAL SECTION. THE WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.
23. THE CONTRACTOR SHALL INSTALL 450MM (18") DIAMETER FORMED OPENINGS IN THE CONCRETE MEDIAN SPACED AT INTERVALS NO GREATER THAN 75 M (250 FEET), AND/OR AS DIRECTED BY THE ENGINEER. SURFACE, PAVEMENT SURFACES OR OTHER EXISTING OBSTRUCTIONS BENEATH THESE OPENINGS SHALL BE ALL EXISTING REMOVED BY THE CONTRACTOR. ALL COSTS INCURRED SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE METER (SQUARE FOOT) FOR P.C. CONCRETE MEDIAN SURFACE, 100 MM (4 INCH). (DIST GN#65)
24. NOT USED
25. MULCH SHALL BE APPLIED AT A RATE OF 2 TONS/ ACRE OF SEEDING UNLESS OTHERWISE SPECIFIED BY THE ENGINEER. EMULSIFIED ASPHALT SHALL BE APPLIED AT A RATE OF 75 GALLONS/ TON (764 POUNDS/ TON) OF MULCH.
26. 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 THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:
27. MR. LARRY MEYERS  
COMMONWEALTH EDISON, INC  
123 ENERGY AVENUE  
ROCKFORD, IL 61109  
(815) 490-2869

MR. ROBERT TRUEBLOOD  
CITY OF FREEPORT SEWER & WATER  
230 WEST STEPHENSON  
FREEPORT, IL 61021  
(815) 235-7183

FOLLOWING ARE THE KNOWN UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS WHICH ARE NOT MEMBERS OF JULIE AND SHOULD BE NOTIFIED INDIVIDUALLY BY THE CONTRACTOR:

MR. DENNIS SCHULTZ  
IDOT - DIXON  
819 DEPOT AVENUE  
DIXON, IL 61021  
(815) 284-5469

THE LOCATIONS OF THE UTILITIES ON THESE PLANS ARE APPROXIMATE AND WILL NEED TO BE VERIFIED IN THE FIELD.

REVISIONS	
NAME	DATE
PRE-FINAL	05/24/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

## GENERAL NOTES US ROUTE 20

SCALE: VERT.  
HORIZ.  
DATE 10/28/05

DRAWN BY  
CHECKED BY