

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(48X-2)BR-2	VERMILION	26	3

CONTRACT NO. 70017

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. -105.09B
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON U.S.C.&G.S. VERTICAL DATUM OF 1929.

G.N. -107.31
UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED AND THEIR ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY. THESE UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED. J.U.L.I.E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800) 892-0123.
THE FOLLOWING UTILITY OWNERS MARKED WITH AN '•' BELONG TO J.U.L.I.E.:

Mr. Greg Curtis Telephone
•Verizon North, Inc.
212 E. Grove Street
Rantoul, Illinois 61866
217/892-3359

Mr. Larry Magellitz Electric
•AMEREN-CIPS
1205 East Pells Street
P.O. Box 23
Paxton, Illinois 60957
217/379-5441

G.N. -205
BENCHING PROCEDURES SHALL BE USED IN AREAS WHERE EXISTING EMBANKMENTS ARE WIDENED FOR THE PROPOSED PAVEMENT. STEPS SHALL BE CUT INTO THE EXISTING EMBANKMENT SLOPES AND SHALL HAVE THE FOLLOWING DIMENSIONS:
HORIZONTAL: 4
VERTICAL: 1

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. -281
THE RIPRAP GRADATION SHALL BE IN ACCORDANCE WITH THE GRADATION SPECIFIED IN THE PLANS OR, WITH APPROVAL OF THE ENGINEER, A RIPRAP GRADATION MEETING A D50 GREATER THAN OR EQUAL TO 152 mm (0.50 FEET). D50 IS DEFINED AS THE MEAN ROCK SIZE AS DESCRIBED IN THE FHWA HYDRAULIC ENGINEERING CIRCULARS (HEC 11, HEC 14 AND HEC 15).

IF GRAVEL IS USED FOR THE BEDDING MATERIAL UNDER RIPRAP, THE GRAVEL SHALL BE CRUSHED AS ALLOWED UNDER ARTICLE 1005.01.

G.N. -406H
MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project if a bituminous concrete patch is used:

Location(s):	Pavement Patch (F.D.) Binder & Base Course (option)	Pavement Patch (F.D.) Surface
Mixture Use(s):	••	•
AC/PG:	PG 64-22	PG 64-22
RAP %: (Max)••	25%	15%
Design Air Voids:	4% @ N Design = 50	4% @ N Design = 50
Mixture Composition: (Gradation Mixture)	IL 19.0	IL 9.5
Friction Aggregate:	N/A	Mix D

- This mix shall be used for the top 2 1/4" of Pavement Patch (F.D.)
- This mix shall be used for the bottom 12" of Pavement Patch (F.D.) and Base Course (option)

G.N. -502.10
THE CUBICAL DEPOSIT OF COARSE AGGREGATE SHALL BE COMPLETELY ENCLOSED IN A FABRIC ENVELOPE. THE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE PORTIONS OF SECTION 1080 AND SECTION 282 WITH EITHER THE 200 GRAMS PER SQUARE METER OR 270 GRAMS PER SQUARE METER (6 OZ. OR 8 OZ. PER SQUARE YARD) MATERIAL ALLOWED. FREE EDGES SHALL OVERLAP BY 300 mm (12 inches).

THIS REQUIREMENT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE VARIOUS ITEMS REQUIRING PLACEMENT OF THE CUBICAL DEPOSITS OF COARSE AGGREGATE.

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 METER (FOOT) FOR PRECAST CONCRETE BOX CULVERTS OF THE SIZE SPECIFIED.

G.N. -540A
CAST IN PLACE END SECTIONS, HEADWALLS, AND COLLARS ARE REQUIRED FOR PRECAST BOX CULVERTS. SHOP PLANS WILL NOT BE REQUIRED WITH CAST IN PLACE ITEMS CONSTRUCTED AS SHOWN IN THE PLANS. SHOP PLANS SHALL BE SUBMITTED FOR CHANGED OR MODIFIED CAST IN PLACE DETAILS IN ACCORDANCE WITH ARTICLE 540.06.

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

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

G.N. -703A
SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N. -704
TEMPORARY CONCRETE BARRIER, STATE OWNED AND TEMPORARY CONCRETE BARRIER TERMINAL SECTION, STATE OWNED ARE LOCATED AT RANTOUL, IL. CONNECTING PINS, DOWEL BARS, STYROFOAM PADS, AND DRIFT PINS USED WITH THE BARRIERS AND TERMINAL SECTIONS SHALL BE FURNISHED BY THE CONTRACTOR.

THE COST OF NECESSARY CONNECTING PINS, DOWEL BARS AND STYROFOAM PADS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER METER FOR TEMPORARY CONCRETE BARRIER, STATE OWNED. THE COST OF NECESSARY STYROFOAM PADS AND DRIFT PINS SHALL BE INCLUDED IN THE COST EACH FOR TEMPORARY CONCRETE BARRIER TERMINAL SECTION, STATE OWNED.

G.N. -781
RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPANCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

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 45 mm (1 3/4 INCHES) IN THICKNESS. CA-13 OR CA-16 MAY BE USED WHEN THE SURFACE COURSE IS 45 mm (1 3/4 INCHES) OR MORE IN THICKNESS.'

G.N. -Z0038
AN ALUMINUM 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 DEPARTMENT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR PERMANENT BENCH MARKS.