

1. SEE CROSS SECTIONS FOR SPECIAL DITCHES AND BACKSLOPES.
2. THE FINAL TOP FOUR 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.
3. ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTH MOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.
4. 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. THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION.
5. FERTILIZER SHALL BE APPLIED TO ALL DISTURBED 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 COST OF EARTH EXCAVATION.
6. MULCH METHOD II SHALL BE APPLIED OVER ALL SEEDED AREAS. THIS SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
7. 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.
8. 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. IMPERVIOUS MATERIALS SHALL BE USED ON THE OUTER 3 FEET AT EACH END OF THE CULVERT. THIS TRENCH BACKFILL MATERIALS 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 IS REQUIRED.
9. CLASS C PATCHES SHALL BE TIED TO THE ADJACENT LANE WHEN THE PATCHES ARE MORE THAN 20 FT. THE COST OF THE TIE BARS SHALL BE INCLUDED IN THE COST OF THE PATCH.
10. THE EXISTING HOT-MIX ASPHALT ON PRIVATE AND COMMERCIAL ENTRANCES SHALL BE BLADED OFF OR MILLED AND DISPOSED OF OUTSIDE THE PROJECT LIMITS. THIS COULD BE THE ENTIRE ENTRANCE OR TAPERED AT THE END DEPENDING ON IF THE MAINLINE IS RESURFACED OR MILLED AND RESURFACED. THE COST OF THE BLADING, MILLING, ROLLING, AND DISPOSAL IS INCLUDED IN THE CONTRACT UNIT PRICE FOR INCIDENTAL HOT-MIX ASPHALT SURFACING.
11. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USES	SHOULDER SURFACE	SHOULDER BASE
PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N DESIGN=50	2% @ N DESIGN=50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL-9.5 MM OR IL-12.5 MM	BAM OR IL 19.0
FRICTION AGGREGATE	C	N/A
20 YEAR ESAL	0.9	N/A
12. THE NEW NUMBER FOR THIS STRUCTURE WILL BE S.N. 081-2038.
13. CULVERT & BRIDGE FLOWS MUST BE MAINTAINED THROUGHOUT THE PROJECT. NORMAL FLOW SHALL BE ALLOWED TO PASS AT THE RATE IT ENTERS THE JOB SITE. HIGH FLOWS SHALL BE ALLOWED TO PASS WITHOUT CAUSING DAMAGE TO UPSTREAM PROPERTIES.
14. THE PROPOSED PIPES FOR ENTRANCES AND SIDE ROADS SHALL BE PLACED IN LINE WITH THE EXISTING OR PROPOSED DITCH LINE
15. WHERE FIELD TILE IS ENCOUNTERED, STORM SEWER OR PIPE DRAIN WILL BE USED IN ACCORDANCE WITH SECTION 611. THE MINIMUM SIZE FOR REPLACEMENT WILL BE 6" FOR PIPE DRAINS AND 8" FOR STORM SEWER, BUT THE SIZE MUST BE AT LEAST 2" LARGER THAN THE ADJOINING TILE. A FIELD TILE JUNCTION VAULT WILL BE CONSTRUCTED AT THE RIGHT-OF-WAY TO CONNECT THE TILE AND STORM SEWER. SEE THE SUMMARY OF QUANTITIES FOR THE ESTIMATED QUANTITIES.
16. EMBANKMENT QUANTITIES FOR THE CONSTRUCTION OF THE TRAFFIC BARRIER TERMINALS AS SHOWN IN THE PLANS ARE INCLUDED IN QUANTITIES FOR EARTH EXCAVATION.
17. THE CONTRACTOR SHALL SUPPLY THE RESIDENT ENGINEER WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS FOR THE TYPE OF STEEL PLATE BEAM GUARDRAIL TERMINAL TYPE 1 SPECIAL (TANGENT) OR STEEL PLATE BEAM GUARDRAIL TERMINAL TYPE I SPECIAL (FLARED).
18. 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. DELINEATORS SHALL BE PLACED AT THE ENDS OF APPROACH GUARDRAIL TERMINAL SECTIONS, AND AT EACH HEADWALL OR END SECTION OF AR CULVERTS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR DELINEATORS.
19. ONE 16d GALVANIZED NAIL SHALL BE USED TO TOE NAIL THE WOOD BLOCK OUT TO THE WOOD POST ON ALL TRAFFIC BARRIER TERMINAL TYPE I SPECIALS.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTING AND MAINTAINING AN ELECTRONIC LOG OF ALL STAKEOUT SURVEY THAT IS PERFORMED ON THE JOB, EITHER BY HIM/HER OR ANY SUBCONTRACTOR PERFORMING THE STAKEOUT. UPON REQUEST, ALL LOGS SHALL BE SUBMITTED TO THE DEPARTMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK, BUT SHALL BE CONSIDERED INCLUDED IN THE COST FOR CONSTRUCTION LAYOUT.
21. PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS: 1. ALL WORDS, SUCH AS ONLY, SHALL BE 2.4 M (8 FEET) HIGH. 2. ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE. 3. 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.
22. 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 ONE SURVEY MARKER PLACED NEAR THE STRUCTURE. ESTIMATED: 2 EACH.
23. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DESCRIPTION OF LOCATION, ELEVATION, AND COORDINATES FOR EACH PERMANENT SURVEY MARKER. THE HORIZONTAL COORDINATES MUST BE DERIVED BY GPS AND THE ELEVATION DERIVED USING AN ELECTRONIC LEVEL. THE META DATA, SUCH AS THE GEOID USED, (NGS ADJUSTMENT IE: 97 HARN, 03, 07), AND THE BASE POINT(S) NAME OR NUMBER SHALL BE SUBMITTED ALONG WITH A COMPLETE COLLECTION LOG. IF COLLECTED USING RTK METHOD, IT WILL REQUIRE EITHER 3 COLLECTIONS (AVERAGED) FROM 2 DIFFERENT BASES, OR A MINIMUM OF 3 COLLECTIONS (AVERAGED), AT LEAST 2 HOURS APART, FROM THE SAME BASE. IF USING A CORS TYPE NETWORK, THE COLLECTION PROCEDURE SHALL INCLUDE LOCALIZING WITH CHECK SHOTS ON AT LEAST 2 DIFFERENT HARN MONUMENTS BOTH BEFORE AND AFTER COLLECTION. THE LEVEL CIRCUIT SHALL BE RUN FROM FURNISHED MARK TO FURNISHED MARK AND THEN ADJUSTED. THE ERROR OF CLOSURE SHALL BE SUBMITTED WITH THE ELECTRONIC LEVEL NOTES IN A RECOGNIZED FORMAT APPROVED BY THE ENGINEER AND/OR CHIEF OF SURVEYS. THE ENGINEER SHALL SUBMIT THIS INFORMATION TO THE DISTRICT CHIEF OF SURVEYS.
24. THE TEMPORARY CONCRETE BARRIER SHALL BE ANCHORED TO THE PAVEMENT WITH 6 ANCHORS PER SECTION AT THE FOLLOWING LOCATIONS:

STAGE 1	STAGE 2
STA. 943+30.09 TO STA. 946+79.82	STA. 942+33.21 TO STA. 946+32.99
25. 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 = AWARD DATE + 100 DAYS.
26. 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 THESE 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.
27. TEMPORARY IMPACT ATTENUATORS WILL BE MEASURED AS EACH FOR EACH ATTENUATOR SUPPLIED ON THE JOB AS SPECIFIED IN THE PLANS, AND SHALL INCLUDE THE COST OF RENTING/OWING THE ATTENUATOR FOR THE TIME REQUIRED ON THE JOB PLUS HAULING TO AND FROM THE PROJECT SITE, AS WELL AS ONE PLACEMENT AND REMOVAL FROM THE ROADWAY. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, TEMPORARY OF THE TYPE SPECIFIED.

RELOCATE TEMPORARY IMPACT ATTENUATORS WILL BE PAID FOR AS EACH AND WILL BE PAID FOR EACH TIME THE IMPACT ATTENUATOR IS REQUIRED BY STAGING TO BE PICKED UP AND MOVED TO A DIFFERENT LOCATION ON THE PROJECT, WHETHER IT IS TO ANOTHER LOCATION ON THE ROADWAY OR TO A STORAGE/STAGING LOCATION FOR THE PROJECT. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, RELOCATE OF THE TYPE SPECIFIED.
28. TEMPORARY TAPERS SHALL BE CONSTRUCTED ON ALL BRIDGES WHEN THE ADJACENT RESURFACING CANNOT BE PLACED BEFORE WINTER. QUANTITIES HAVE BEEN INCLUDED IN THE PLANS FOR A 50' TO 1" V/H TAPER ON INTERSTATE AND 30' TO 1" V/H TAPER ON ALL OTHER HIGHWAYS. THE TAPER SHALL BE REMOVED BEFORE RESURFACING AND WILL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE COURSE.
29. INSTALL RUMBLE STRIPS IN ALL SHOULDERS IN ACCORDANCE WITH STATE STANDARD 642006. RUMBLE STRIPS SHALL BE PLACED ON SHOULDERS ON BOTH SIDES OF THE PAVEMENT.
30. BITUMINOUS AND AGGREGATE PRIME COAT SHALL BE PLACED IN ACCORDANCE WITH SECTION 406 OF THE STANDARD SPECIFICATIONS. THE COST OF THE PRIME COATS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER TON FOR HMA SURFACE COURSE OF THE TYPE SPECIFIED.
31. THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 704 OF THE STANDARD SPECIFICATIONS. TEMPORARY CONCRETE BARRIER WILL BE MEASURED IN FEET ALONG THE CENTERLINE OF THE BARRIERS AND SHALL INCLUDE THE COST OF RENTING/OWING THE BARRIER FOR THE TIME REQUIRED ON THE JOB PLUS HAULING TO AND FROM THE PROJECT SITE, AS WELL AS ONE PLACEMENT AND REMOVE AL FROM THE ROADWAY IN ACCORDANCE WITH SECTION 704 OF THE STANDARD SPECIFICATIONS. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR TEMPORARY CONCRETE BARRIER.

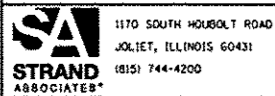
RELOCATE TEMPORARY CONCRETE BARRIER WILL BE PAID FOR IN FEET ALONG THE CENTERLINE OF THE BARRIER, AND WILL BE PAID FOR EACH TIME THE BARRIERS REQUIRED BY STAGING TO BE PICKED UP AND MOVED TO A DIFFERENT LOCATION ON THE PROJECT, WHETHER IT IS TO ANOTHER LOCATION ON THE ROADWAY OR TO A STORAGE. STAGING LOCATION FOR THE PROJECT. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR REALLOCATE TEMPORARY CONCRETE BARRIER.
32. A NATIONWIDE 404 PERMIT HAS BEEN ISSUED FOR THIS PROJECT AND THE CONDITIONS OF THAT PERMIT MUST BE ADHERED TO.
33. THE BORING LOGS FOR THIS STRUCTURE INDICATE THAT GROUNDWATER LEVELS MAY ENROACH ON THE CONSTRUCTION LIMITS OF THIS CULVERT. 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 CONCRETE BOX CULVERTS.
34. A PRECAST BOX CULVERT IS NOT AN OPTION ON THE PROJECT DUE TO SOIL CONDITIONS.
35. CONNECTING BANDS FOR CORRUGATED METAL PIPES SHALL BE METAL AND SHALL BE COATED WITH THE SAME MATERIAL AS THE PIPE SECTIONS. THE CONNECTING BANDS SHALL BE A MINIMUM OF 18" WIDE.
36. THE UNDERDRAIN SYSTEM SCHEDULED ON THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH SECTION 601 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, EXCEPT CA 16 SHALL BE USED IN LIEU OF FA 1 OR FA 2 FOR TRENCH BACKFILL. THE CA 16 SHALL BE ACCORDING TO ARTICLE 1004.05 AND ARTICLE 1004.01 OF THE STANDARD SPECIFICATIONS, EXCEPT IN THE TABLE, COURSE AGGREGATE GRADATION, THE PERCENT PASSING THE NO. 16 SIEVE SHALL BE 4±4%. THE TRENCH SHALL BE WRAPPED USING A FABRIC ENVELOPE MEETING THE REQUIREMENTS OF ARTICLE 1080.05 OF THE STANDARD SPECIFICATIONS. FABRIC ENCASING THE PIPE SHALL BE ELIMINATED.
37. PERMANENT SURVEY MARKERS, TYPE II SHALL BE CAST-IN-PLACE AS SHOWN ON DISTRICT STANDARD 66.2. OPTION 2 WOULD BE TO INSTALL A VAULTED STYLE MONUMENT AS DESCRIBED BY NGS AS A 3D MONUMENT (TOP SECURITY SLEEVE ROD MONUMENT), WITH INSTALLATION INSTRUCTIONS PROVIDED BY THE DISTRICT CHIEF OF SURVEYS. IF POURED IN PLACE, THE BOTTOM OF THE MARKER SHALL BE 5'-0" BELOW THE GROUND SURFACE.
38. THE PERMANENT SURVEY MARKERS, IF POSSIBLE, SHALL BE INSTALLED AT THE BEGINNING OF THE JOB AND PROTECTED THROUGHOUT.
39. TREE PLANTING LAYOUT SHALL BE PERFORMED BY THE DISTRICT LANDSCAPE ARCHITECT. MULCH SHALL BE PLACED 4" THICK AND TO THE DIAMETER AROUND THE TREE AS SHOWN ON DISTRICT STANDARD 92.1. THE MULCH SHALL BE HARDWOOD WOOD CHIPS PLACED ON WEED BARRIER FABRIC. THIS WORK SHALL BE INCLUDED IN THE COST OF THE TREE.
40. 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 800-92-0123. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

NAME AND ADDRESS OF UTILITY	TYPE	TELEPHONE
MR. MATTHEW J CHANCELLOR MIDAMERICAN ENERGY COMPANY 2811 5TH AVE. ROCK ISLAND IL, 61201	ELECTRIC	(309) 793-3833
MR. STEVE HAMPTON MIDAMERICAN ENERGY COMPANY 2811 5TH AVE. ROCK ISLAND, IL 61201	GAS	(309) 793-3707
MR. DAVID DAY FRONTIER/CITIZENS 684 N. BROAD PO BOX 12 LANARK, IL 61046	TELEPHONE	(815) 493-1101
MR. DENNIS JARDING MEDIACOM 3900-26TH AVE. MOLINE, IL 61265	CATV	(309) 743-4750
MR. JEFF KLOCKO IOWA NETWORK SERVICES, INC. 4201 CORPORATE DRIVE WEST DES MOINES, IA 50266	COMMUNICATION	(515) 830-0445

1

34. A PRECAST BOX CULVERT IS NOT AN OPTION ON THE PROJECT DUE TO SOIL CONDITIONS.

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1170 SOUTH HOBBS ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = brianf	DESIGNED -	REVISED -
PLOT SCALE = 48.8888' / IN.	DRAWN -	REVISED -
PLOT DATE = 8/15/2012	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: AS SHOWN	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	3

CONTRACT NO. 64925

IDOT IS NOT A MEMBER OF JULIE. IF YOU ARE NEAR ANY OVERHEAD LIGHTING, INTERSECTION LIGHTING OR TRAFFIC SIGNALS, CONTACT THE IDOT TRAFFIC OFFICE AT 815-284-5469 AT LEAST 48 HOURS PRIOR TO WORK.

Rev. 10-26-12

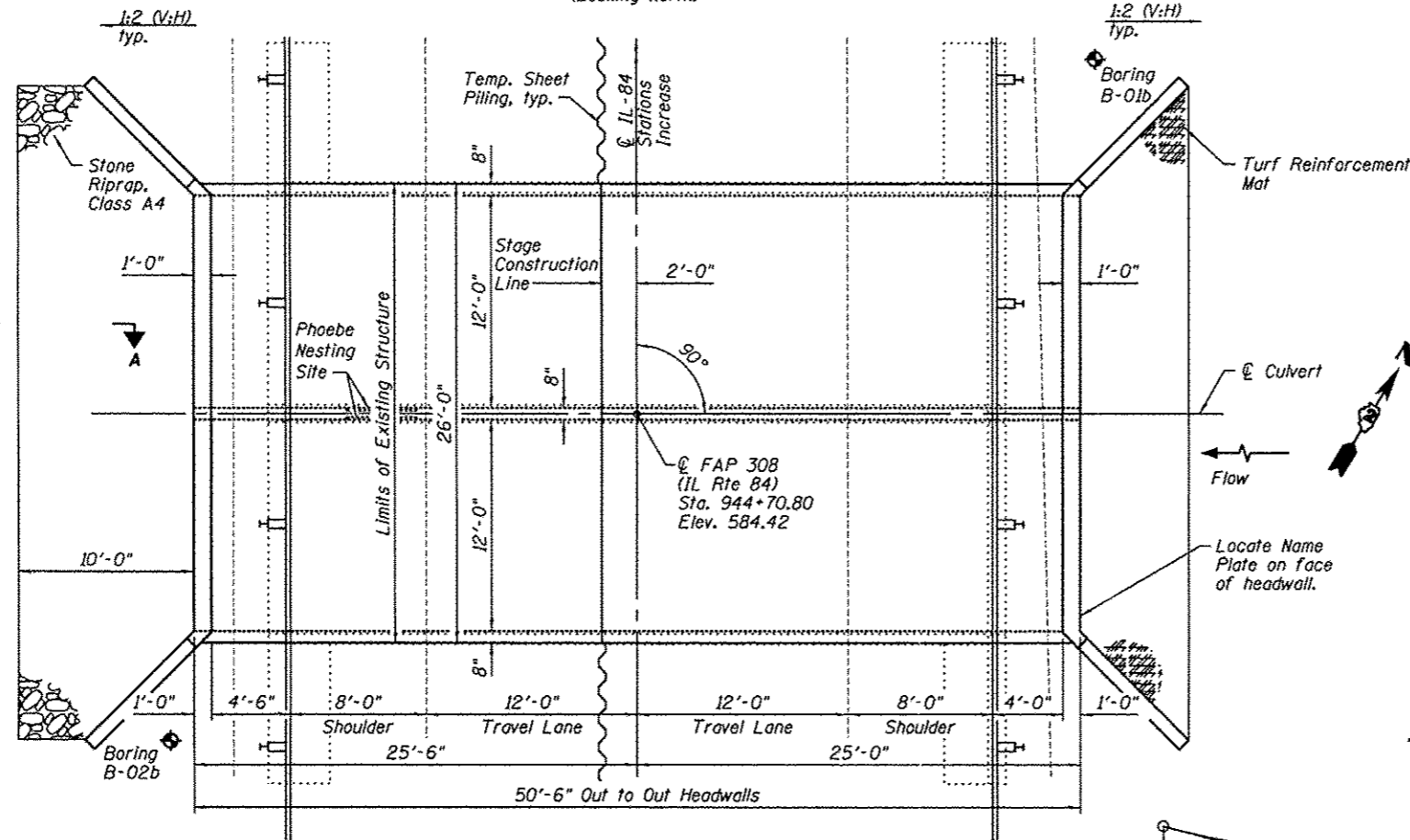
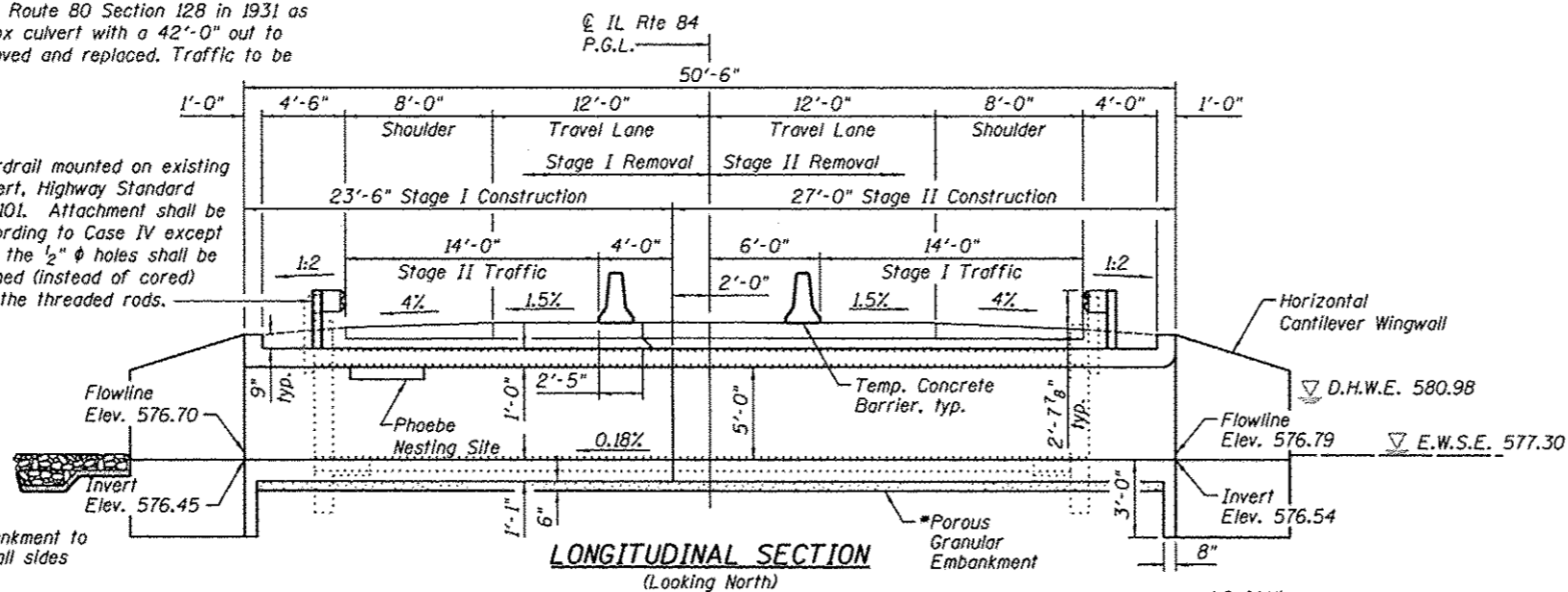
Benchmark: Railroad spike in Power Pole south of Structure Elev. 594.35.

Existing Structure: SN 081-2001 built as Route 80 Section 128 in 1931 as a double 12' x 5' reinforced concrete box culvert with a 42'-0" out to out length. Existing structure to be removed and replaced. Traffic to be maintained utilizing stage construction.

No Salvage
Precast alternate is not allowed.

Guardrail mounted on existing culvert, Highway Standard 630101. Attachment shall be according to Case IV except that the 1/2" φ holes shall be formed (instead of cored) for the threaded rods.

• Porous Granular Embankment to extend 2'-0" beyond all sides of the Box Culvert



INDEX OF SHEETS

- 1 General Plan and Elevation
- 2 Stage Construction and Temporary Sheet Piling
- 3 Temporary Concrete Barrier For Stage Construction
- 4 Culvert Details
- 5 Bar Splicer Assembly and Mechanical Splicer Details
- 6-7 Soil Boring Logs

CURVE DATA

Δ = 18° 14' 31" (RT)
D = 1° 0' 0"
T = 919.88'
L = 1,824.19'
E = 73.37'
R = 5,729.56'
S.E. = 0.0135'/ft.
P.C. = Sta. 925+11.60
P.T. = Sta. 943+35.79
P.I. = Sta. 934+31.48

STATION 944+70.80
BUILT 20 BY
STATE OF ILLINOIS
F.A.P. RTE. 308 SEC. 110T
LOADING HL-93
STRUCTURE NO. 081-2038

NAME PLATE
See Std. 515001

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

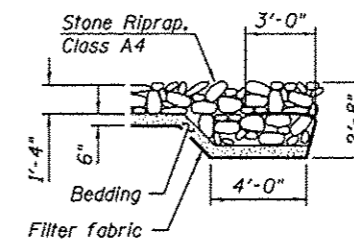
DESIGN SPECIFICATIONS

2010 AASHTO LRFD Bridge Design Specifications, 5th Edition with 2010 Interim Revisions

DESIGN STRESSES

FIELD UNITS

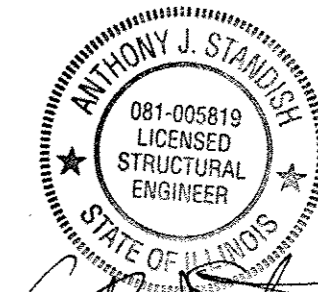
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)



SECTION A-A

APPROVED
For Structural Adequacy Only

[Signature]
Engineer of Bridges & Structures



[Signature]
exp 11/2012

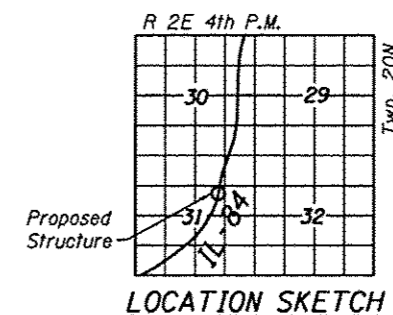
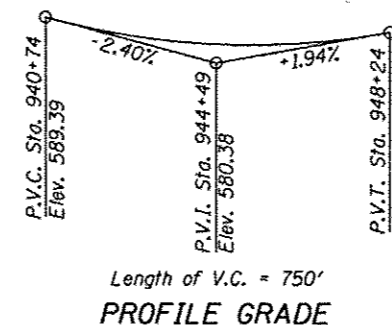
WATERWAY INFORMATION

Drainage Area = 1.54 sq. mi. Low Grade Elev. 584.32 @ Sta. 944+88

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Head - Ft.		Headwater Elev.		
			Exist.	Prop.	H.W.E. Exist.	Prop.	Exist.	Prop.	
Design	10	408	81	81	580.18	0.59	0.57	580.77	580.75
Base	100	809	100	100	580.94	1.18	1.16	582.12	582.10
Overtop Existing	371	1050	120	120	582.30	2.02	N/A	584.32	N/A
Overtop Proposed	371	1050	120	120	582.30	N/A	2.02	N/A	584.32
Max. Calc.	500	1131	120	120	582.61	2.11	2.11	584.72	584.72

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	Upstream	Downstream
	573.54	573.45



GENERAL PLAN & ELEVATION
IL- 84 OVER DRAINAGE DITCH
F.A.P. RTE. 308 - SEC. 110T
ROCK ISLAND COUNTY
STATION 944+70.80
STRUCTURE NO. 081-2038

Rev. 10-26-12

(F.A.P. 308 Along C of Roadway)

SA
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
STRAND
ASSOCIATES IDPR NO. 184-001273

USER NAME = vorseman
DESIGNED RRD
CHECKED AJS
DRAWN BJF
CHECKED RRD
PLOT SCALE =
PLOT DATE = 10/1/2012

DESIGNED RRD
CHECKED AJS
DRAWN BJF
CHECKED RRD

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 081-2038
SHEET NO. 1 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	28
CONTRACT NO. 64925			ILLINOIS FED. AID PROJECT	