

GENERAL NOTES

1. THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 4 OR 2A SHALL BE USED. 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.

2. PLACEMENT AND COMPACTION OF THE BACKFILL FOR THE PROPOSED ACROSS ROAD CULVERTS AND EXISTING ACROSS ROAD CULVERTS THAT ARE REMOVED, SHALL CONFORM TO ARTICLES 502.10 AND 542.04 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT THE MATERIAL, EITHER PRODUCTION AGGREGATE OR EXCAVATED 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. THE TOP ONE FOOT OF BACKFILL BENEATH THE PROPOSED PAVEMENT/PATCH SHALL BE AGGREGATE AND HAVE A GRADATION OF CA06 OR CA10. THE CONTRACTOR SHALL NOT BE PAID SEPARATELY FOR AGGREGATE BACKFILL MATERIAL FOR THE CULVERT INSTALLATION.

THE ENTIRE EXCAVATION, WITHIN 2 FEET OUTSIDE OF EACH SHOULDER, SHALL BE BACKFILLED TO THE BOTTOM OF THE PROPOSED PAVEMENT/PATCH. IMPERVIOUS MATERIAL SHALL BE USED ON THE OUTER 3 FEET AT EACH END OF THE CULVERT.

THE CONTRACTOR MAY, AT NO ADDITIONAL COST, BACKFILL THE CULVERT TRENCH WITH AGGREGATE IN LIEU OF SELECT MATERIAL. THE AGGREGATE SHALL BE PLACED IN LIFTS NOT EXCEEDING 8 INCHES IN DEPTH, LOOSE MEASUREMENT, AND COMPACTED MEANS TO THE SATISFACTION OF THE ENGINEER.

3. THE DROP OFF THAT OCCURS AT ENTRANCE EDGES AS A RESULT OF RESURFACING OF THE ENTRANCE SHALL BE CORRECTED USING AGGREGATE SHOULDER MATERIAL. THIS WORK SHALL BE PAID FOR BY THE TON FOR AGGREGATE SHOULDERS OF THE TYPE SPECIFIED IN THE PLANS.

4. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION AND MIXTURE USE(S):	SURFACE
PG:	PG 58-28
DESIGN AIR VOIDS:	4.0% @ N50
MIXTURE COMPOSITION:	IL 9.5
FRICTION AGGREGATE:	D
20 YEAR ESAL	1.8
MIXTURE WEIGHT:	112 LBS/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA
SUBLOT TONNAGE:	N/A
MATERIAL TRANSFER DEVICE:	NO

LOCATION AND MIXTURE USE(S):	SHOULDERS	
	TOP LIFT	ALL LOWER LIFTS
PG:	PG 58-28	PG 58-28
DESIGN AIR VOIDS:	4.0 @ N50	4.0 @ N50
MIXTURE COMPOSITION:	IL 9.5FG	IL 19.0
FRICTION AGGREGATE:	C	N/A
MIXTURE WEIGHT:	112 LBS/SQ YD/IN	N/A
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA
SUBLOT TONNAGE:	N/A	N/A
MATERIAL TRANSFER DEVICE:	N/A	N/A

5. 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.

6. THE AREA TO BE TACKED OR PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAY'S PRODUCTION, BUT NO MORE THAN FIVE DAYS IN ADVANCE OF THE PLACEMENT OF THE HMA, UNLESS APPROVED BY THE ENGINEER.

7. THE NEW NUMBERS FOR THE STRUCTURES WILL BE 043-1117 (SOUTH CULVERT) AND 043-1118 (NORTH CULVERT).

8. THE BORING LOGS FOR THIS STRUCTURE INDICATE THAT GROUNDWATER LEVELS MAY ENCR OACH 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 PRECAST CONCRETE BOX CULVERTS.

9. CULVERT 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.

10. 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 EACH HEADWALL OR END SECTION OF ACROSS ROAD CULVERTS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR DELINEATORS.

11. 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.

12. PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:

- ALL WORDS, SUCH AS "ONLY", SHALL BE 8 FEET HIGH.
- ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
- THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8 INCHES, NOT 7 INCHES, AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.
- CENTERLINE SKIP DASH PAVEMENT MARKING ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED, AND ONE-WAY ROADWAY SHALL BE ACCORDING TO DISTRICT STANDARD 41.1.

13. PERMANENT SURVEY MARKERS, TYPE II, SHALL BE SET AS DIRECTED BY THE ENGINEER. CULVERT PROJECTS SHALL HAVE ONE SURVEY MARKER PLACED NEAR THE STRUCTURE. ESTIMATED: 2 EACH.

14. PERMANENT SURVEY MARKERS, TYPE II SHALL BE CAST-IN-PLACE AS SHOWN ON DISTRICT STANDARD 66.2, OR ANOTHER OPTION 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.

15. THE PERMANENT SURVEY MARKERS, IF POSSIBLE, SHALL BE INSTALLED AT THE BEGINNING OF THE JOB AND PROTECTED THROUGHOUT.

16. 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 THE CHIEF OF SURVEYS. THE ENGINEER SHALL SUBMIT THIS INFORMATION TO THE DISTRICT CHIEF OF SURVEYS.

17. THE CONTRACTOR SHALL BEGIN FENCE ERECTION AS SOON AS CLEARING OPERATIONS PERMIT. BEFORE REMOVING EXISTING FENCE FROM AN AREA THAT CONTAINS LIVESTOCK, THE CONTRACTOR SHALL ERECT, ALONG THE PROPOSED RIGHT OF WAY LINES, A TEMPORARY FENCE OR WIRE MEETING THE APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL CONCENTRATE HIS PERMANENT FENCING OPERATIONS AT THESE LOCATIONS AND AT OTHER SPECIFIC LOCATIONS AS DIRECTED BY THE ENGINEER. THE COST OF ARRANGING WORK AS HEREIN SPECIFIED WILL NOT BE PAID FOR AS A SEPARATE ITEM BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR WOVEN WIRE FENCE, 4'.

18. ALL GUTTER OUTLETS SHALL BE EXTENDED TO DITCH FLOW AS DIRECTED BY THE ENGINEER.

19. RIGHT-OF-WAY MARKERS WILL BE ERECTED PER HIGHWAY STANDARD 666001 WITH THE BACK FACE OF THE MARKER ON THE RIGHT-OF-WAY LINE, UNLESS THE NEW RIGHT-OF-WAY LINE HAS BEEN SURVEYED AND PINNED, IN WHICH INSTANCE THE RIGHT OF WAY MARKERS WILL BE ERECTED 12 INCHES INSIDE THE NEW RIGHT-OF-WAY LINE. THE METHOD OF INSTALLATION SHALL BE APPROVED BY THE ENGINEER.

20. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

1. JO-CARROLL ENERGY	(815) 858-5522, (800) 892-0123
2. IFIBER	(815) 753-5798
3. FRONTIER (NORTH)	(815) 544-6171, (800) 892-0123

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.

21. WHEN RELOCATE TEMPORARY CONCRETE BARRIER IS SPECIFIED, THE WALL SHALL BE REMOVED, STORAGE AND TRANSPORTATION TO AND FROM STORAGE, WHEN THE WALL IS NOT NEEDED FOR A TIME AS SHOWN ON THE STAGING PLANS, RELOCATED, AND REINSTATED AT THE NEW LOCATION. THE REINSTALLATION REQUIREMENTS SHALL BE THE SAME AS THOSE FOR A NEW INSTALLATION. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR RELOCATE TEMPORARY CONCRETE BARRIER. IT IS ANTICIPATED TO USE TEMPORARY CONCRETE BARRIER FOR CONSTRUCTION OF THE SOUTHERN CULVERT (SN 043-1117).

22. THE TEMPORARY CONCRETE BARRIER SHALL BE PINNED TO THE PAVEMENT WITH 3 ANCHOR PINS PER SECTION ON THE TRAFFIC SIDE OF THE BARRIER WALL AT THE FOLLOWING LOCATIONS:

- STAGE 1: STATION 143+76 TO STATION 144+44
- STAGE 2: STATION 143+76 TO STATION 144+44

THE BARRIER UNIT AT EACH END SHALL BE ANCHORED AS SPECIFIED IN ARTICLE 704.04. ALL ANCHORING AND PINNING HOLES SHALL BE CORE DRILLED.

23. ANY FARM DRAIN, FIELD TILE SYSTEM, OR OTHER TILE FACILITY ENCOUNTERED DURING THE PROPOSED WORK SHALL BE LOCATED, STAKED AND REPORTED TO THE RESIDENT ENGINEER. DRAINAGE LINES WHICH ARE CUT OR DAMAGED BY GRADING, TRENCHING, EXCAVATION, OR OTHER CONSTRUCTION ACTIVITIES SHALL BE REPAIRED SO AS TO MAINTAIN ITS ORIGINAL ALIGNMENT. IF THIS CANNOT BE ACCOMPLISHED, THE TILE SHALL BE REPAIRED AND CONNECTED TO THE PROPOSED DITCH IN SUCH A MANNER AS TO RENDER THE LINES USABLE FOR THE PURPOSES INTENDED. THE WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS.

24. ANY DRAIN TILE LINES WHICH ARE CUT OR DAMAGED DURING CONSTRUCTION ACTIVITIES SHALL BE REPAIRED SO AS TO MAINTAIN IT ORIGINAL ALIGNMENT. THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 611. REPLACEMENT SHALL BE DRAIN PIPE OF THE SAME PIPE SIZE WITH A MINIMUM REPLACEMENT BEING DRAIN PIPE, 12". A TYPE B INLET WITH TYPE 1 CLOSED LID SHALL BE INSTALLED TO CONNECT THE TILES. A NOMINAL QUANTITY OF EACH ITEM HAS BEEN ADDED TO THE PLANS.

25. ALL ABANDONED DRAIN TILES WITHIN DISTURBED AREAS SHALL BE REMOVED IN THEIR ENTIRETY.

26. THE CONTRACTOR SHALL CONSTRUCT EACH CULVERT SEPARATELY. THE CONTRACTOR SHALL PERFORM THEIR WORK ON THE SOUTHERN CULVERT (SN 043-1117) FIRST IN THE 2023 CONSTRUCTION SEASON. THE CONTRACTOR SHALL NOT SET UP THE DETOUR OR BEGIN THEIR WORK ON THE NORTHERN CULVERT (SN 043-1118) UNTIL COMPLETION OF THE SOUTHERN CULVERT (SN 043-1117). THE CONTRACTOR MAY STORE EXCAVATION FROM THE SOUTHERN CULVERT (SN 043-1117) AT THE NORTHERN CULVERT SITE (SN 043-1118) BUT MUST MAINTAIN EXISTING DRAINAGE PATTERNS AND CONSTRUCT EROSION CONTROL PRIOR TO PLACEMENT.

COMMITMENTS

- TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT WILL NOT BE CLEARED FROM APRIL 1 THROUGH SEPTEMBER 30. THE U.S. FISH AND WILDLIFE SERVICE CONCURRED WITH THE DETERMINATION AND DATE RESTRICTION ON TREE CLEARING.
- TREES SHALL BE REMOVED BETWEEN OCTOBER 1, 2022 AND MARCH 31, 2023. ALL OTHER WORK SHALL NOT BEGIN UNTIL 2023.
- THE ILLINOIS HERITAGE DATABASE CONTAINS RECORDS OF THE STATE-LISTED PALLID SHINER AND BLACK SANDSHELL MUSSEL. THE 2015 RECORD OF PALLID SHINER AND THE 2012 RECORD OF THE BLACK SANDSHELL MUSSEL BOTH OCCUR 0.5 MILES SOUTHEAST OF THE IMPROVEMENT IN THE APPLE RIVER. THERE WILL BE NO WORK PERFORMED IN THE APPLE RIVER.

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PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-gennote.dgn

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND COMMITMENTS

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	3
			CONTRACT NO. 64K62	
		ILLINOIS	FED. AID PROJECT	FPNHPP A35(192)

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE	80% FED 20% STATE
				S. CULVERT (043-1117)	N. CULVERT (043-1118)
				0004 RURAL	0004 RURAL
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	3,348	1,761	1,587
X0323660	DROP BOX NO. 1	EACH	1		1
X0328017	STREAM MITIGATION BANK CREDITS	EACH	436		436
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	50	50
X2810110	STONE RIPRAP, CLASS A5 (SPECIAL)	SQ YD	464	251	213
X7010218	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.0	0.5	0.5
Z0022800	FENCE REMOVAL	FOOT	1,428	273	1,155
Z0023600	FILLING EXISTING CULVERTS	EACH	1		1
* Z0025505	PROPERTY MARKERS	EACH	5	3	2
* Z0054500	ROCK FILL	TON	394	394	
Z0073400	TEMPORARY SUPPORT SYSTEM	EACH	1	1	

\* SPECIALTY ITEM



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PLOT DATE = 3-17-2022	CHECKED DTH	REVISED -
	DATE = 3-17-2022	FILE = D200915-sht-soq.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NTS SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	9
			CONTRACT NO. 64K62	
ILLINOIS FED. AID PROJECT FPNHPP A35(192)				