

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
212	19-00117-01-PV	MERCER	5	1
ILLINOIS CONTRACT NO. 89782				

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES & SUMMARY OF QUANTITIES
- 3 TYPICAL SECTIONS
- 4 OVERALL PLAN
- 5 TRAFFIC CONTROL PLAN

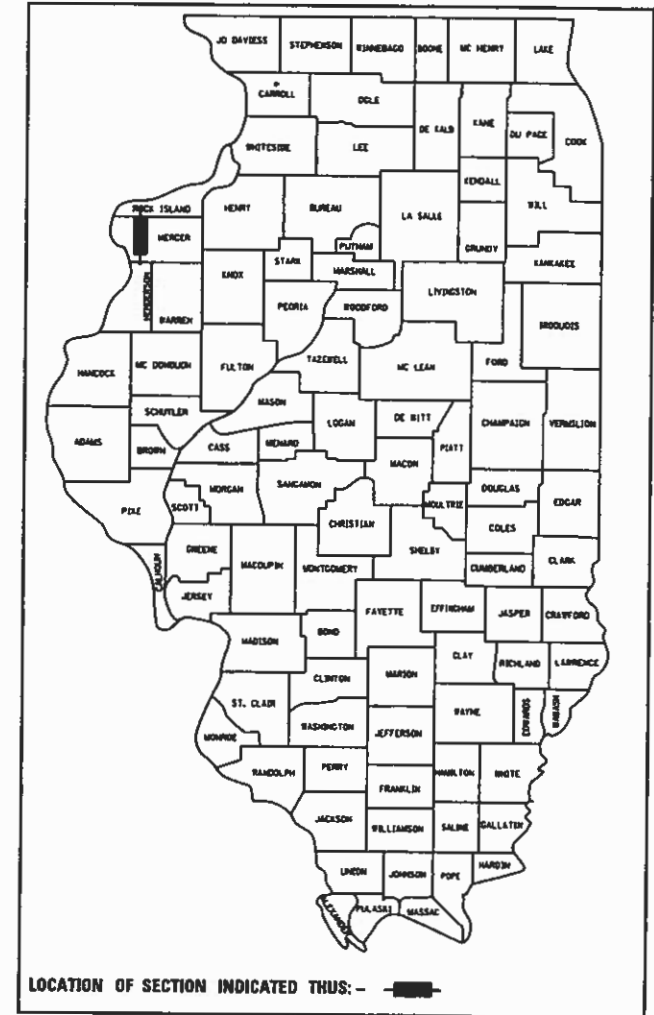
LIST OF HIGHWAY STANDARDS

- 630001-12 STEEL PLATE BEAM GUARDRAIL
- 630106-02 LONG-SPAN GUARDRAIL OVER CULVERT
- 630301-09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701901-08 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- B.L.R. 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
- B.L.R. 22-7 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO-WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

**PROPOSED
HIGHWAY PLANS**

**COUNTY HIGHWAY 9 (FAS ROUTE 212)
SECTION 19-00117-01-PV
PROJECT U3NH(078)
FULL-DEPTH RECLAMATION
MERCER COUNTY**

C-94-049-20



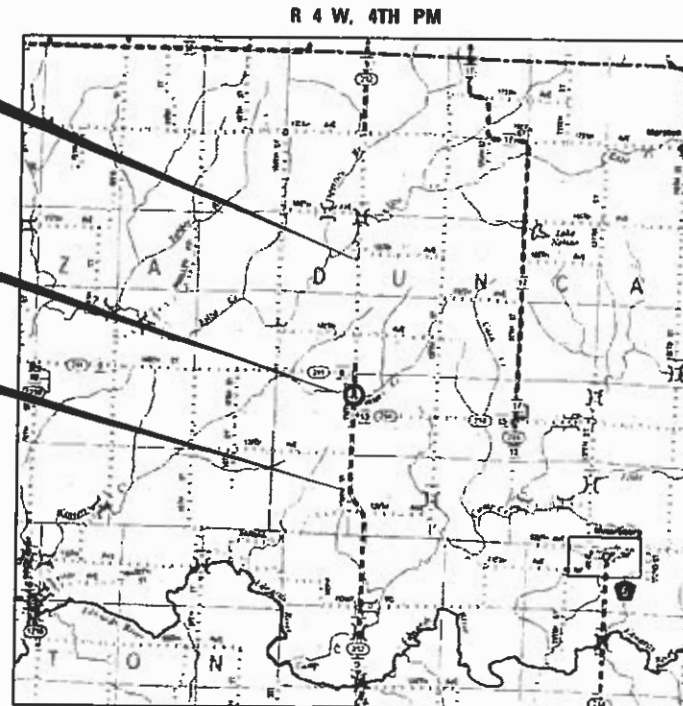
LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

FUNCTIONAL CLASSIFICATION
RURAL MAJOR COLLECTOR
2015 ADT = 250
DESIGN SPEED = 40 MPH
PV = 88% SU = 7% MU = 5%

**END IMPROVEMENT
COUNTY HIGHWAY 9**

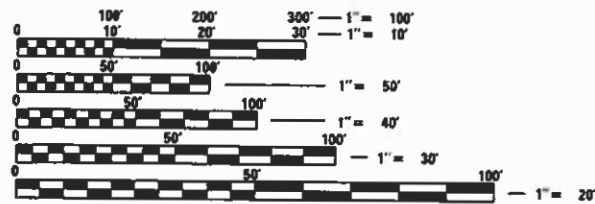
**BRIDGE
OMISSION**

**BEGIN IMPROVEMENT
COUNTY HIGHWAY 9**



LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 14,520.00 FT. = 2.750 MILES
NET LENGTH = 14,502.00 FT. = 2.747 MILES



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT MANAGER: SHANE LARSON, P.E.
PROJECT ENGINEER: RYAN BRADLE, P.E.
CATALOG 036021-00D
CONTRACT NO. 89782

Hutchinson Engineering, Inc.
Jacksonville - Pearl
Quad Cities - Shorewood
Since 1945
2020 JOB #4599

SHANE LARSON
062-051122
REGISTERED
PROFESSIONAL
ENGINEER OF
STATE OF ILLINOIS
EXPIRES: 11/30/21
SIGNATURE
ENGINEER'S SEAL

APPROVED March 14 20 20
[Signature]
LOCAL AGENCY OFFICIAL

PASSED 04.02 20 20
[Signature]
DISTRICT FOUR ENGINEER OF
LOCAL ROADS & STREETS

Releasing For
Bid Based on
Limited Review April 2, 20 20
[Signature]
REGION THREE ENGINEER
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

GENERAL NOTES

ALL REFERENCES TO THE "DEPARTMENT" OR "ENGINEER" IN THE IDOT STANDARD SPECIFICATIONS SHALL ALSO INCLUDE THE MERCER COUNTY ENGINEER.

THE SURFACE PROFILE MILLING QUANTITY AND LOCATIONS WILL BE AT THE DISCRETION OF THE ENGINEER.

PROPERTY OWNER ACCESS REQUIREMENT

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (CULTURAL AND NATURAL RESOURCES REVIEW OF BORROW AREAS)
- BDE FORM 2290 (WASTE/USE AREA REVIEW)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW AREA ENTRY AGREEMENT FORM - D4 PID101

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS SHALL BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

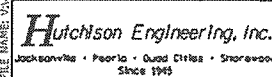
ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED ENVIRONMENTAL CLEARANCES AND SIX WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

SUMMARY OF QUANTITIES					CONSTRUCTION CODE
SPECIAL PROVISION (SP)	CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	80% FEDERAL
					20% LOCAL ROADWAY
					0005
					RURAL
SP	30200550	PROCESSING MODIFIED SOIL 10"	SQ YD	38672	38672
SP	35200500	CEMENT	100 WT	19259	19259
	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	100	100
	48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	735	735
Δ	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 8 FOOT POSTS	FOOT	75	75
Δ	63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	100	100
Δ	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1(SPECIAL) TANGENT	EACH	4	4
	87100100	MOBILIZATION	L SUM	1	1
Δ	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4
Δ	78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	37920	37920
SP	LR403300	SURFACE PROFILE MILLING	SQ YD	38672	38672
SP	LR403410	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	GALLON	53175	53175
SP	LR403500	COVER COAT AGGREGATE	TON	888	888
SP	LR403600	SEAL COAT AGGREGATE	TON	444	444
SP	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1
SP	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1

Δ SPECIALTY ITEMS

NUMBER: 19-00117-01-PV, Ch. 9, EDR - Project: B, Mercer County, Section: 000, LADD, Sheet: 01-15, 19-00117-01-PV, 2-0000000000.dwg
 FILE NAME: 19-00117-01-PV, Ch. 9, EDR - Project: B, Mercer County, Section: 000, LADD, Sheet: 01-15, 19-00117-01-PV, 2-0000000000.dwg

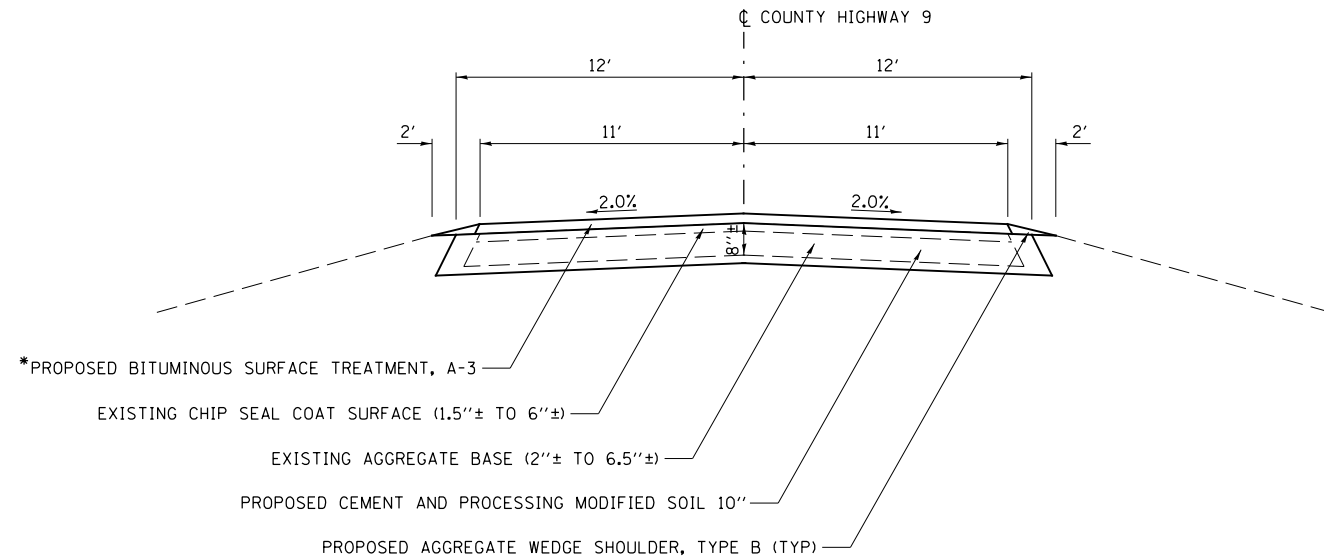


USER NAME	= Shughes	DESIGNED -	WSL	REVISED -	
		DRAWN -	SRH	REVISED -	
PLOT SCALE	= 2,000' = 1"	CHECKED -	WSL	REVISED -	
PLOT DATE	= 3/16/2020	DATE -	7-5-18	REVISED -	

**MERCER COUNTY
HIGHWAY DEPARTMENT**

**COUNTY HIGHWAY 9
GENERAL NOTES & SUMMARY OF QUANTITIES**

SCALE: N/A	SHEET 1 OF 1 SHEETS	STA. N/A	TO STA. N/A	P.S.S. REF: 212	SECTION 19-00117-01-PV	COUNTY MERCER	TOTAL SHEETS 5	SHEET NO. 2
				CONTRACT NO. B9782				



COUNTY HIGHWAY 9 TYPICAL SECTION

110TH ST. TO 2.75 MILES NORTH

*PROPOSED BITUMINOUS SURFACE TREATMENT, A-3 SHALL CONSIST OF THE FOLLOWING PAY ITEMS:
 BITUMINOUS MATERIALS (COVER AND SEAL COATS)
 COVER COAT AGGREGATE
 SEAL COAT AGGREGATE
 THE BITUMINOUS MATERIALS (PRIME COAT) AND SAND SHALL BE PROVIDED AND APPLIED ACCORDING TO ARTICLE 352.13 AND SHALL NOT BE PAID FOR SEPARATELY.
 THE BITUMINOUS MATERIALS (COVER AND SEAL COATS) SHALL BE HFRS-2. THE COVER COAT AND SEAL COAT AGGREGATES SHALL BE CLASS A - CA 16.

NOTES

- EXISTING CROSS SLOPE IS VARIABLE.
- EXISTING ROADWAY SURFACE IS 22'±.
- CEMENT PERCENTAGE IS ESTIMATED TO BE 5% BY WEIGHT (10" DEEP AND 24' WIDE).
- FINAL A-3 SURFACE SHALL BE 22' WIDE.
- AGGREGATE SURFACE COURSE, TYPE B HAS BEEN INCLUDED FOR USE AT ENTRANCES AND AGGREGATE SIDE ROADS TO TAPER ANY ELEVATION DIFFERENCE BETWEEN THE EXISTING ENTRANCE/SIDE ROAD ELEVATION AND PROPOSED FINISHED ROADWAY ELEVATION, AS NECESSARY.
- CONTRACTOR SHALL REPLACE GUARDRAIL AT THE STRUCTURE ON CH 9 LOCATED BETWEEN 135TH AVE. AND 140TH AVE. OVER WINTERS CREEK.
 GUARDRAIL REPLACEMENT AT THIS STRUCTURE SHALL INCLUDE THE FOLLOWING:
 EXISTING GUARDRAIL REMOVAL (BY OTHERS)
 LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN
 APPROACH ENDS: 37.5' OF STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (ATTACHED TO END OF LONG-SPAN GUARDRAIL)
 1 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 OPPOSING ENDS: 1 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (ATTACHED TO END OF LONG-SPAN GUARDRAIL)
- PROJECT ALSO INCLUDES GUARDRAIL REPLACEMENT AT 1 STRUCTURE. THE EMBANKMENT REQUIRED FOR GUARDRAIL FLARES WILL BE CONSTRUCTED BY MERCER COUNTY

MODEL Default
 FILE: \\miller.vt.399 - CH 9 FDR - Phase II (Mercer County) Middle Section\CADD\CADD_Sheets\1044599-phc-3-typical.dgn

Hutchison Engineering, Inc.
 Jacksonville - Peoria - Quad Cities - Shorewood
 Since 1945

USER NAME = SHughes	DESIGNED - WSL	REVISED -
PLOT SCALE = 6,000' / in.	DRAWN - SRH	REVISED -
PLOT DATE = 4/1/2020	CHECKED - WSL	REVISED -
	DATE - 12-3-19	REVISED -

**MERCER COUNTY
 HIGHWAY DEPARTMENT**

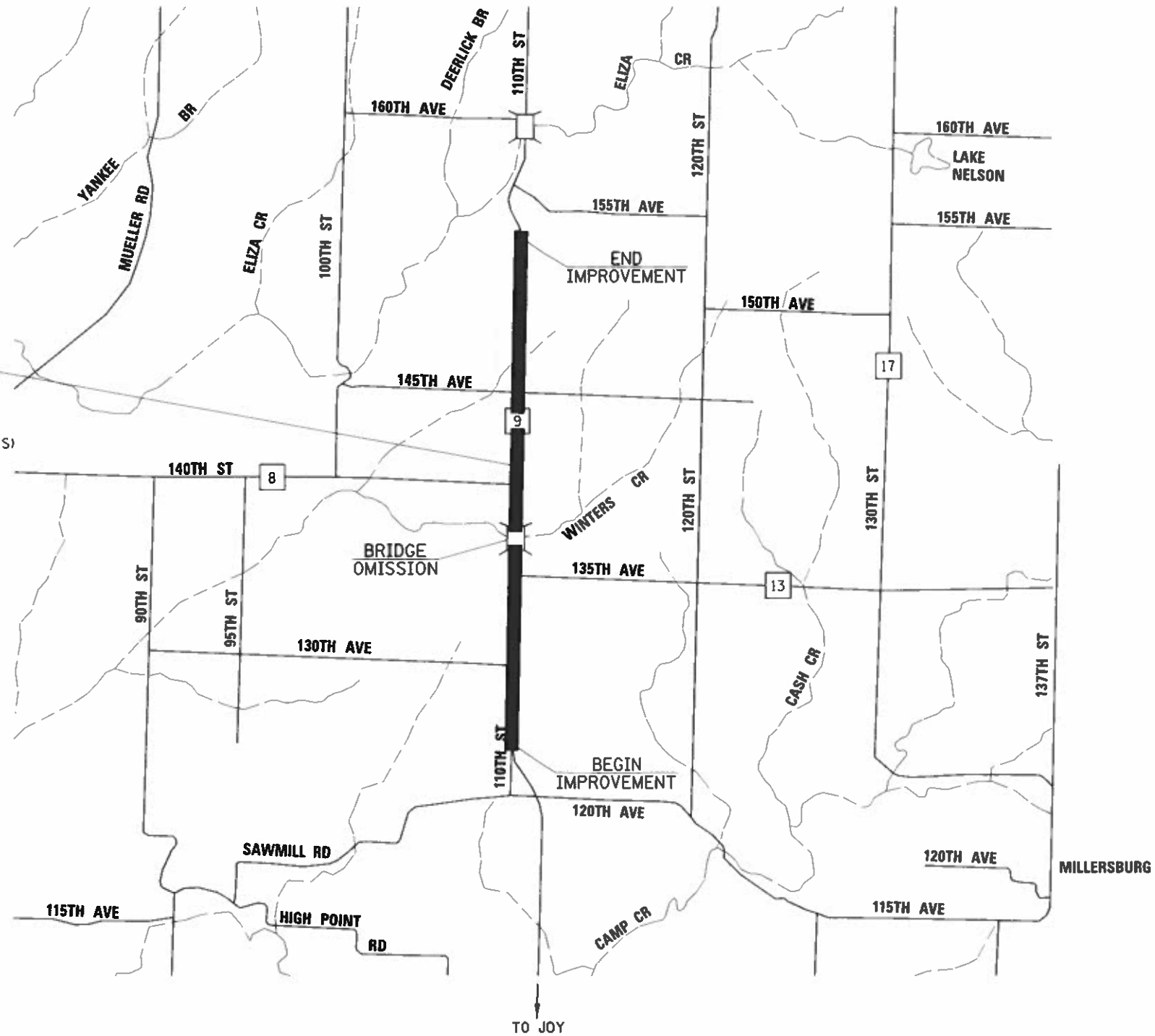
**COUNTY HIGHWAY 9
 TYPICAL SECTIONS**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
212	19-00117-01-PV	MERCER	5	3
CONTRACT NO. 89782				
ILLINOIS FED. AID PROJECT				

FULL-DEPTH RECLAMATION LIMITS
 110TH ST TO 2.75 MILES NORTH
PAY ITEMS INCLUDE:
 -PROCESSING MODIFIED SOIL 10"
 -CEMENT
 -SURFACE PROFILE MILLING
 -BITUMINOUS MATERIALS (COVER AND SEAL COATS)
 -COVER COAT AGGREGATE
 -SEAL COAT AGGREGATE
 -PAINT PAVEMENT MARKING - LINE 5"

PROJECT ALSO INCLUDES GUARDRAIL REPLACEMENT
 AT 1 STRUCTURE.
 THE EMBANKMENT REQUIRED FOR GUARDRAIL FLARES
 WILL BE CONSTRUCTED BY MERCER COUNTY.



PROJECT: MILLERSBURG - JOY - I-75 - Phase II (Mile 1.0) Middle Section CADD - UDD Sheets D-14599-01-4-plan.dgn
 FILE NAME: V:\4599 - CH 3 PDR - Phase II (Mile 1.0) Middle Section CADD - UDD Sheets D-14599-01-4-plan.dgn

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 Jacksonville - Peoria - Ovid Cities - Shorewood
 Since 1945

USER NAME = Shughes	DESIGNED - WSL	REVISED -
	DRAWN - SRH	REVISED -
	CHECKED - WSL	REVISED -
	DATE - 12-3-19	REVISED -
PLOT SCALE = 2,000' = 1"		
PLOT DATE = 3/13/2020		

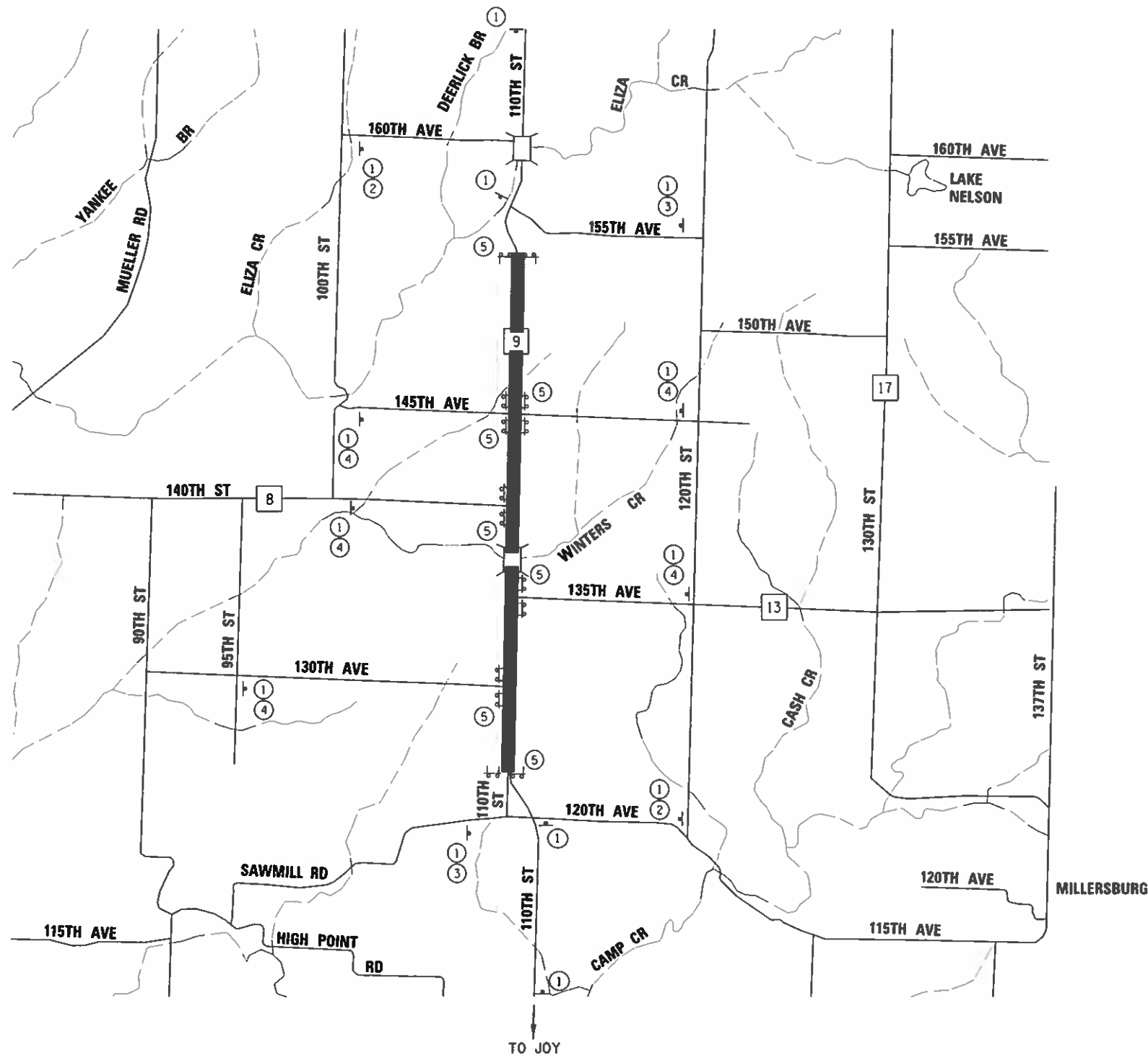
**MERCER COUNTY
 HIGHWAY DEPARTMENT**

**COUNTY HIGHWAY 9
 OVERALL PLAN**

SCALE: N/A SHEET 1 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
212	19-00117-01-PV	MERCER	5	4
CONTRACT NO. 89782				

ILLINOIS FED. AID PROJECT



- LEGEND**
- ① ROAD CLOSED AHEAD
 - ② →
 - ③ ←
 - ④ ↔
 - ⑤ ROAD CLOSED
 - ⊥ POST MOUNTED SIGN
 - ⊥⊥ TYPE III BARRICADE

- MAINTENANCE OF TRAFFIC NOTES:**
1. LENGTH OF PROJECT SHALL BE TEMPORARILY SIGNED WITH SIGN G20-1100 (NO PASSING ZONES NOT STRIPED NEXT XX MILES PER IL MUTCD), ANY EXISTING PASSING ZONES SIGNS SHALL BE COVERED UNTIL PERMANENT PAVEMENT MARKINGS HAVE BEEN PLACED.
 2. ALL WORK ASSOCIATED WITH MAINTENANCE OF TRAFFIC SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION (SPECIAL).
 3. CONTRACTOR SHALL SET UP AND MAINTAIN ROAD CLOSURE TRAFFIC CONTROL TO ENSURE THE ROADWAY SURFACE IS PROTECTED WHILE IT IS CURING DURING EACH PHASE OF THE PROJECT.

PROJECT: 19-00117-01-PV
 FILE NAME: 19-00117-01-PV - Phase II (Mile) - Section CADD - DDD - Sheet: D44599-01-5 - Traffic.dwg
 JACKSONVILLE - PEORIA - QUAD CITIES - SHOREWOOD
 SINCE 1945

Hutchinson Engineering, Inc.
 JACKSONVILLE - PEORIA - QUAD CITIES - SHOREWOOD
 SINCE 1945

USER NAME = RBradh	DESIGNED = WSL	REVISED =
DRAWN = SRH	CHECKED = WSL	REVISED =
DATE = 12-3-19	REVISIONS =	

PLotted DATE = 1/12/2020	DATE = 12-3-19	REVISIONS =
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**MERCER COUNTY
 HIGHWAY DEPARTMENT**

**COUNTY HIGHWAY 9
 TRAFFIC CONTROL PLAN**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
212	19-00117-01-PV	MERCER	5	5
CONTRACT NO. 89782				

ILLINOIS FED. AID PROJECT