04-29-11 LETTING ITEM 131

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	3-I	CLINTON	8	1
	ILLINOIS	CONTRACT NO. 76E31		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP ROUTE 805 (IL 161)
SECTION 3-I
PROJECT HSIP-0805(073)
HSIP – SAFETY SHOULDER & RUMBLE STRIP
CLINTON COUNTY

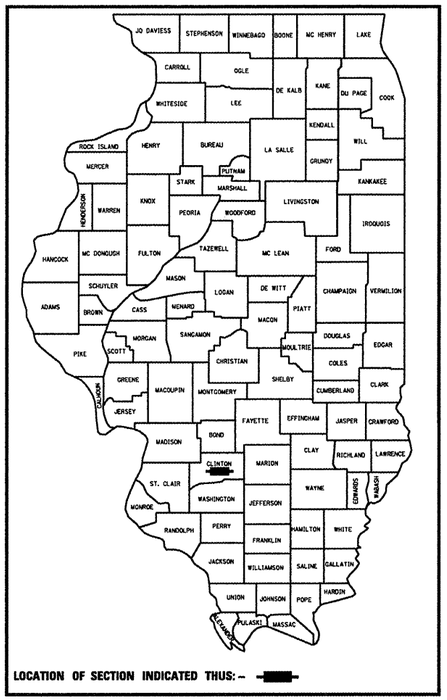
C-98-010-11

D-98-011-11

INDEX OF SHEETS

1. COVER SHEET, PROJECT LIMITS, ADT
2. GENERAL NOTES, STANDARDS, COMMITMENTS
3. SUMMARY OF QUANTITIES
4. LOCATION MAP
5. SCHEDULES
6. TYPICAL SECTION

7.–8. CROSS SECTION SHEETS



LOCATION OF SECTION INDICATED THUS:–

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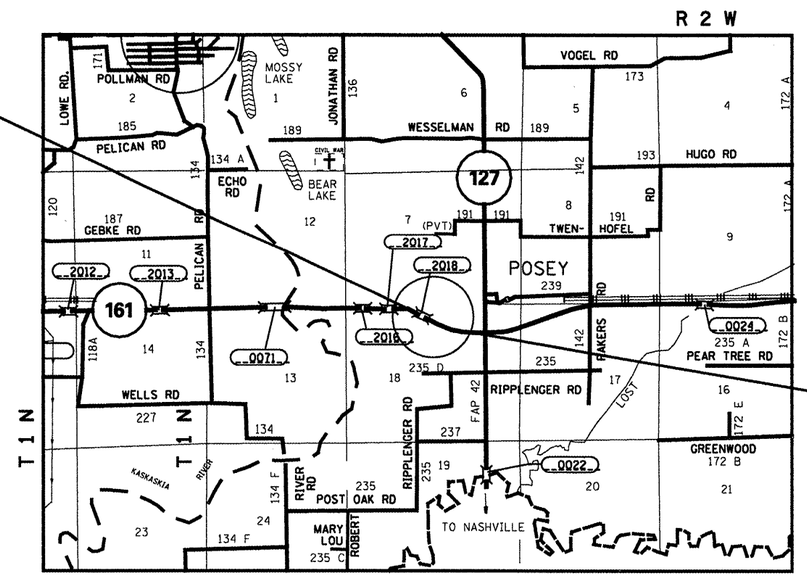
STA. 235+00
LAT: 38.536145
LONG: –89.362793



END PROJECT:
STA. 271+00
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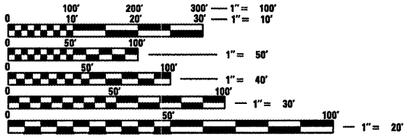
LONG: –89.353265



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Feb 7 2011
McKane
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER
March 25 2011
Scott E. Stitt P.E. /BL
acting ENGINEER OF DESIGN AND ENVIRONMENT
March 25 2011
Christine M. Reed /BL
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROJECT ENGINEER: PATTI LEBEAU (618)346-3179
PROJECT MANAGER: CHERYL KEPLAR (618)346-3186

CONTRACT NO. 76E31

NOT TO SCALE

GROSS LENGTH = 3,600 FT. = 0.68 MILE
NET LENGTH = 3,600 FT. = 0.68 MILE

FUNCTIONAL CLASSIFICATION:
RURAL MINOR ARTERIAL

TRAFFIC DATA:
2009 = 2150
2010 = 2200
2030 = 2700
SU = 2.8%
MU = 3.7%

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GENERAL NOTES

1. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.

2. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

•AT&T ILLINOIS - COMMUNICATIONS	AERIAL, BURIED
•AMEREN ILLINOIS - GAS & ELECTRIC	AERIAL, BURIED
•HOFFMAN RURAL WATER DISTRICT - WATER	BURIED
•PAETEC - COMMUNICATIONS	BURIED

MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY •. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

4. 'ROAD CONSTRUCTION AHEAD' SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT PLUS THE INTERSECTING SIDEROADS, AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE AND 48" X 48".

5. THE FOLLOWING SUPERPAVE MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	SHOULDER >2.25"	SHOULDER <2.25"
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	SEE CONTRACT RAP	SEE CONTRACT RAP
DESIGN AIR VOIDS	SPECIAL PROVISION	SPECIAL PROVISION
MIX COMPOSITION	••2.0% @ Ndes=30	••2.0% @ Ndes=30
(GRADATION MIXTURE)	NMAS 3/4"	NMAS 1/2"
FRICTION AGG		

••TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%

PLAN QUANTITIES FOR HMA (HOT MIX ASPHALT) CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

6. ANY EXCAVATION OR DROP-OFF MORE THAN 3" AT EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE LIGHTING.

7. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.

8. IF ANY UNSUITABLE MATERIAL IS ENCOUNTERED DURING CONSTRUCTION, IT WILL BE NECESSARY TO REMOVE THE UNSUITABLE MATERIAL AND REPLACE IT WITH SUITABLE MATERIAL AS APPROVED BY THE ENGINEER.

9. ALL AREAS DISTURBED FOR ANY REASON SHALL BE SEEDED WITH CLASS 2A SEEDING AS DIRECTED BY THE ENGINEER. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04.

10. MULCH SHALL CONFORM TO SECTION 251 OF THE STANDARD SPECIFICATIONS. MULCH, UNLESS OTHERWISE PERMITTED BY ENGINEER, SHALL CONFORM TO METHOD 2, PROCEDURE 2 AS SPECIFIED IN ARTICLE 251.

11. THE CONTRACTOR AND ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PREFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WAS CREATED USING MICROFLIM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE ASSUMED TO BE APPROXIMATE.

12. EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE.

13. EARTHWORK FROM EARTH EXCAVATION IS TO BE USED FOR EARTH SHOULDERS. NO ADDITIONAL COMPENSATION SHALL BE APPLIED.

COMMITMENTS

NO COMMITMENTS

STANDARDS

000001-06
001006
482006-03
606101-04
642001-01
701006-03
701101-02
701106-02
701011-02
701201-04
701311-03
701326-04
701901-01
780001-02

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, COMMITMENTS & STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - ___	REVISED - ___			805	3-1	CLINTON	8	2
	PLOT SCALE = #SCALE#	CHECKED - ___	REVISED - ___					CONTRACT NO. 76E31		
	PLOT DATE = #DATE#	DATE - _____	REVISED - ___		SCALE: _____ SHEET NO. __ OF ___ SHEETS STA. _____ TO STA. _____	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0021 90% FED 10% STATE	———	———
20200500	EARTH EXCAVATION (WIDENING)	CU YD	562.5	562.5		
25000210	SEEDING, CLASS 2A	ACRE	1.25	1.25		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	112.5	112.5		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	112.5	112.5		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	112.5	112.5		
25100115	MULCH, METHOD 2	ACRE	1.25	1.25		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	125	125		
28000400	PERIMETER EROSION BARRIER	FOOT	200	200		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	2400	2400		
64200105	SHOULDER RUMBLE STRIPS	FOOT	7200	7200		
67100100	MOBILIZATION	L SUM	1	1		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	15	15		
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		———	———	———

FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES
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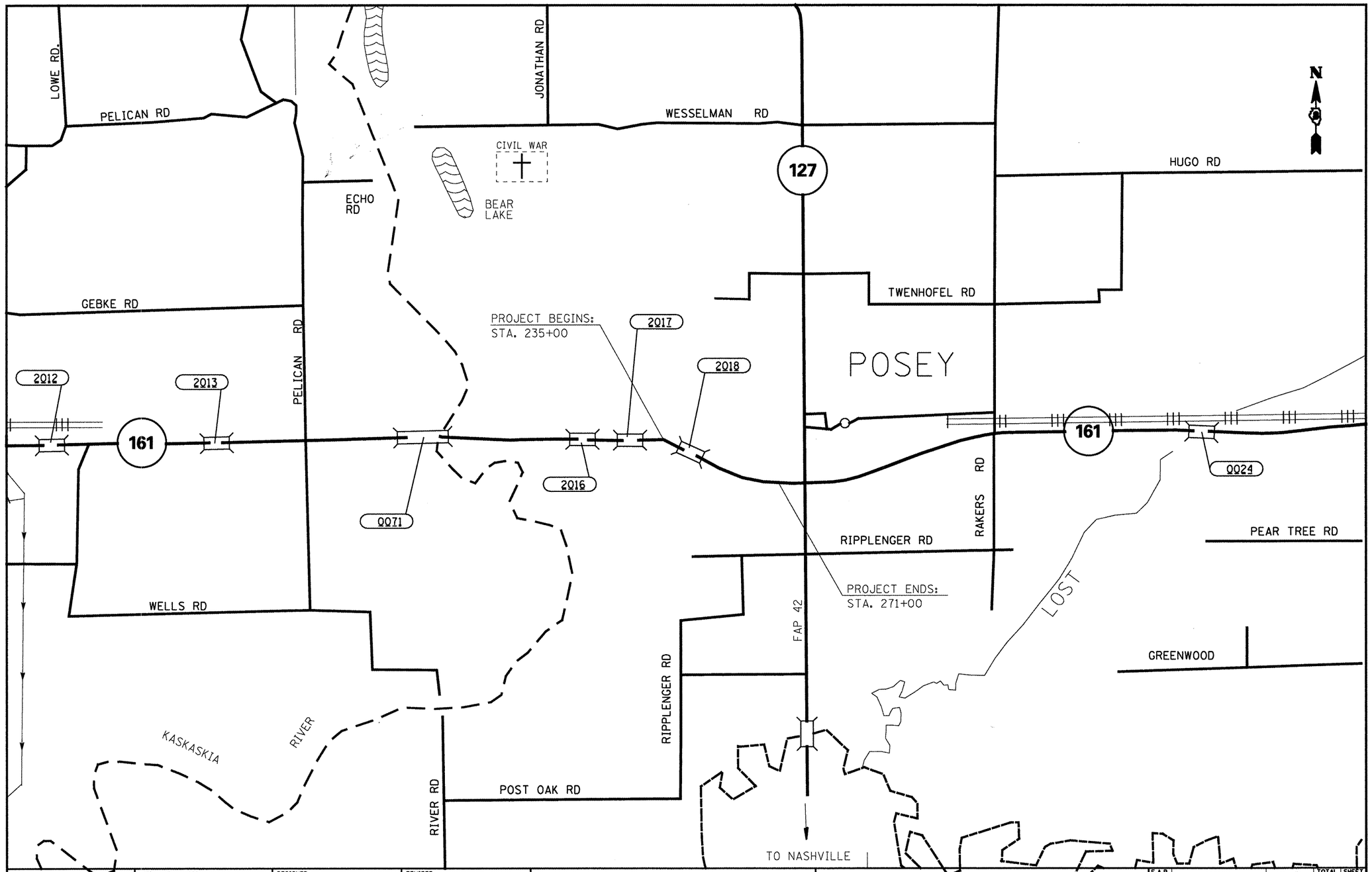
	PLOT DATE = #DATE#	DATE - _____	REVISED - ___		SCALE: _____ SHEET NO. __ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	3-1	CLINTON	8	3
		CONTRACT NO. 76E31		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



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	PLOT DATE = #DATE#	DATE - _____	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LAYOUT

SCALE: _____ | SHEET NO. __ OF ___ SHEETS | STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	3-1	CLINTON	8	4

CONTRACT NO. 76E31

FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT

EARTHWORK VOL							
STATION	END AREA CUT SQ FT	END AREA FILL SQ FT	DIST FEET	UNADJUSTED CUT CU YD	ADJUSTED CUT CU YD	FILL CU YD	EARTHWORK BALANCE WASTE(+)/SHORTAGE(-) CU YD
235+00.00	4.00	2.00					
			200	29.6	22.2	12.2	10.0
237+00.00	4.00	1.30					
			200	29.6	22.2	12.2	10.0
239+00.00	4.00	2.00					
			200	29.6	22.2	11.1	11.1
241+00.00	4.00	1.00					
			200	29.6	22.2	7.4	14.8
243+00.00	4.00	1.00					
			200	29.6	22.2	7.2	15.0
245+00.00	4.00	0.95					
			200	29.6	22.2	10.9	11.3
247+00.00	4.00	2.00					
			200	29.6	22.2	9.6	12.6
249+00.00	4.00	0.59					
			200	29.6	22.2	5.9	16.3
251+00.00	4.00	1.00					
			200	29.6	22.2	7.4	14.8
253+00.00	4.00	1.00					
			200	29.6	22.2	7.4	14.8
255+00.00	4.00	1.00					
			200	29.6	22.2	7.4	14.8
257+00.00	4.00	1.00					
			200	29.6	22.2	9.3	12.9
259+00.00	4.00	3.00					
			400	59.3	44.5	37.0	7.5
261+00.00	4.00	1.50					
			200	29.6	22.2	13.0	9.2
263+00.00	4.00	2.00					
			200	29.6	22.2	11.9	10.3
265+00.00	4.00	1.20					
			200	29.6	22.2	11.9	10.3
267+00.00	4.00	2.00					
			200	29.6	22.2	14.8	7.4
269+00.00	4.00	2.00					
			200	29.6	22.2	11.1	11.1
271+00.00	4.00	1.00					
SUB-TOTAL				562.5	421.9	207.7	214.2

SEEDING									
STA.	TO	STA.	SIDE (LT/RT)	SEEDING CLASS 2 (ACRE)	NITROGEN FERTILIZER (POUND)	PHOSPHORUS FERTILIZER (POUND)	POTASSIUM NUTRIENT (POUND)	MULCH METHOD (ACRE)	PERIMETER EROSION BARRIER (FOOT)
235+00	TO	271+00	L	0.625	56.25	56.25	56.25	0.625	
235+00	TO	271+00	R	0.625	56.25	56.25	56.25	0.625	
237+75	TO	238+25	L/R						100
246+75	TO	247+25	L/R						100
TOTAL:				1.25	112.5	112.5	112.5	1.25	200

SHOULDER SCHEDULE						
STA.	TO	STA.	SIDE	LENGTH (FOOT)	HMA SHOULDERS 8" (SQ YD)	SHOULDER RUMBLE STRIP (FOOT)
235+00	TO	271+00	L/R	3600	2400	7200
TOTAL:					2400	7200

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES	F.A.P. RTE. 800	SECTION 3-1	COUNTY CLINTON	TOTAL SHEETS 8 / SHEET NO. 5
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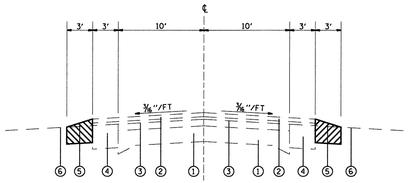
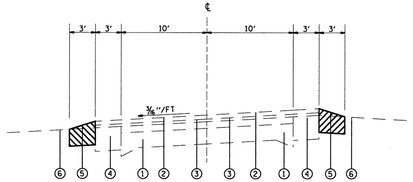
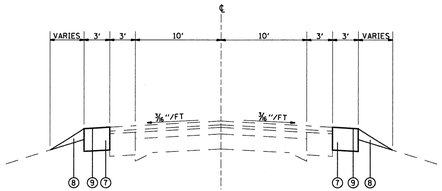
		DATE - --------	REVISED - ---		SCALE: ------- SHEET NO. __ OF ___ SHEETS STA. ------- TO STA. -------	FED. ROAD DIST. NO. ___ ILLINOIS FED. AID PROJECT			



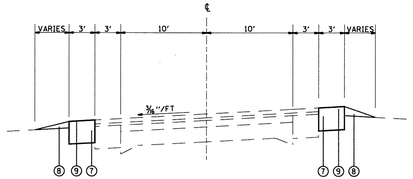
EXISTING TYPICAL SECTION
STA. 248+38.5 TO STA. 257+07.8
STA. 266+75 TO STA. 271+00



EXISTING SUPERELEVATED SECTION
STA. 235+00 TO STA. 248+38.5
STA. 257+07.8 TO STA. 266+75



PROPOSED TYPICAL SECTION
STA. 248+38.5 TO STA. 257+07.8
STA. 266+75 TO STA. 271+00



PROPOSED SUPERELEVATED SECTION
STA. 235+00 TO STA. 248+38.5
STA. 257+07.8 TO STA. 266+75

PROPOSED EARTH EXCAVATION

LEGEND

1. EXISTING PCC PAVEMENT 9-6-9
2. EXISTING BITUMINOUS OVERLAY 3" & VARIES
3. EXISTING LEVELING BINDER (IMA), TYPE 2, 1"
4. EXISTING CONCRETE SURFACE CSE, WIDENING 9"
5. EXISTING AGGREGATE SHOULDER, TYPE B
6. EXISTING TURF SHOULDER
7. PROPOSED HMA SHOULDER 8"
8. PROPOSED EARTH SHOULDER
9. PROPOSED SHOULDER RUMBLE STRIP

FILE NAME = MTLELK	USER NAME = MUSERM	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION
		DRAWN - ---	REVISED - ---		
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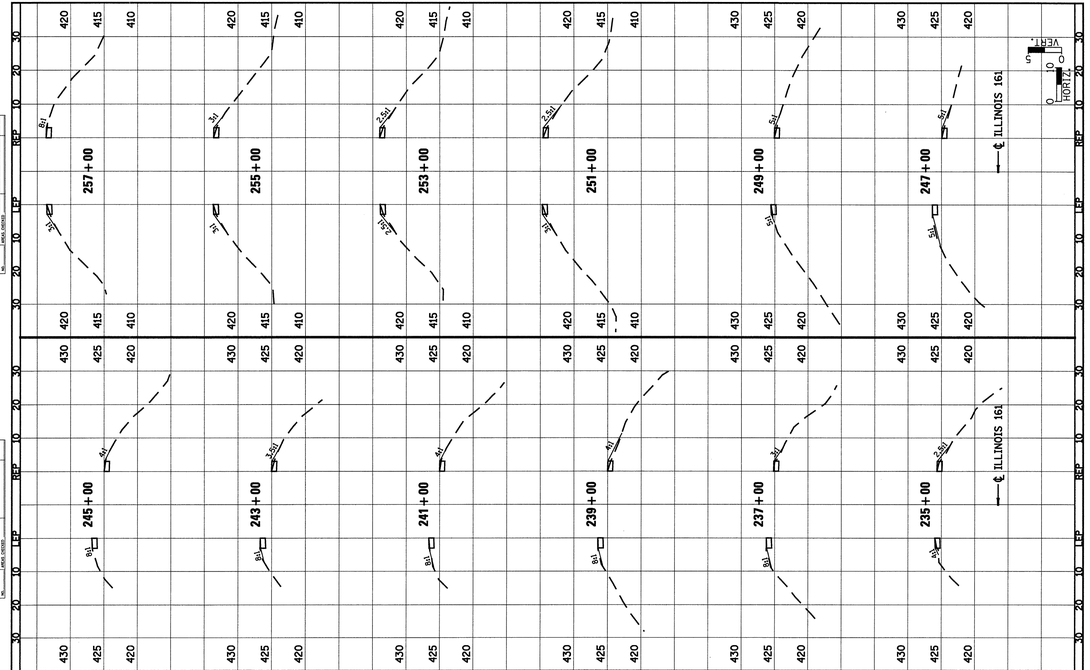
	PLOT DATE = $DATE	DATE - --------	REVISED - ---		SCALE: -------- SHEET NO. -- OF --- SHEETS STA. ---------- TO STA. ----------

F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.	SHEET NO.
905	2-1	CLINTON	48	8
		CONTRACT NO. 76E84		
		FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT



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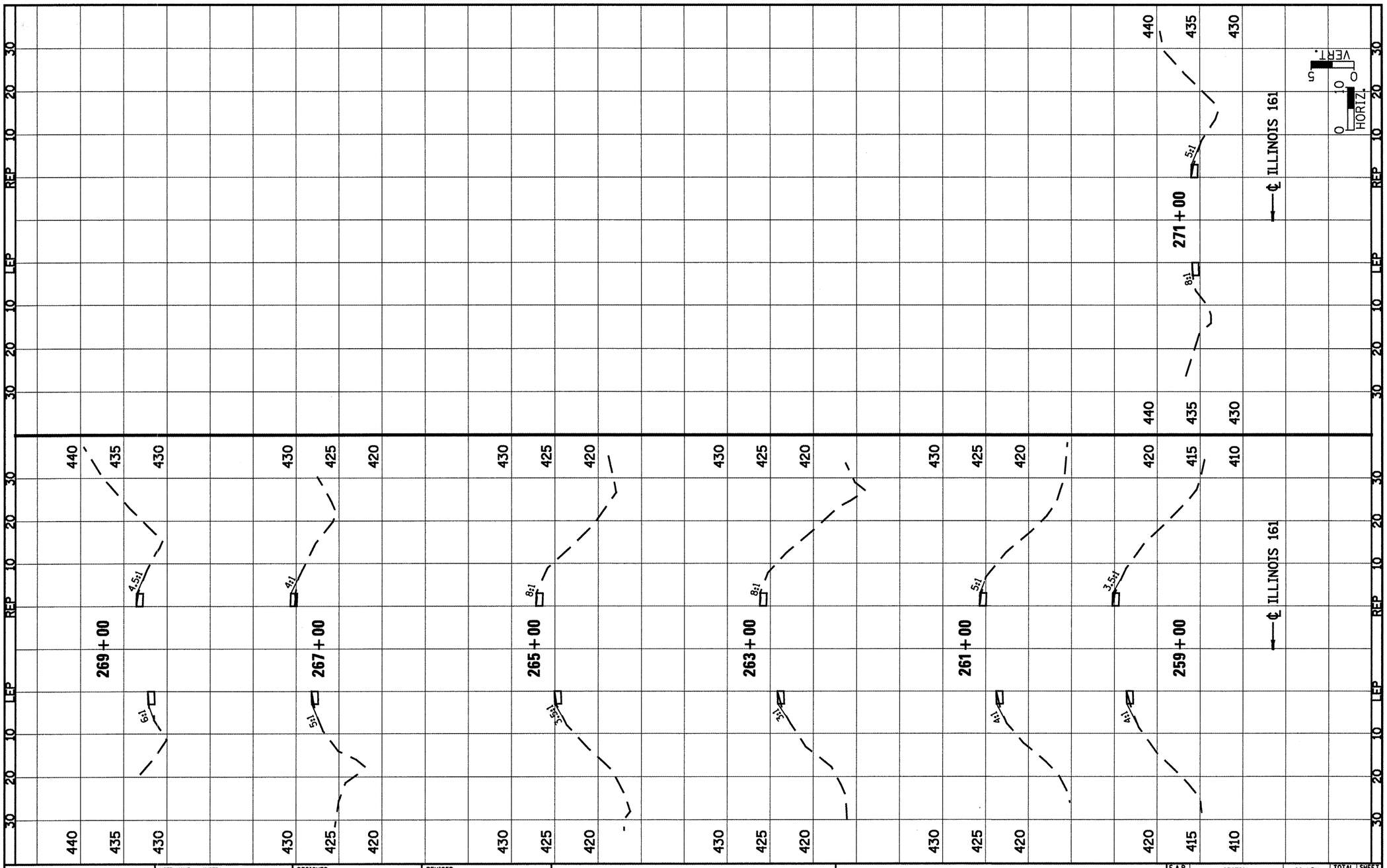
MFILE#	PLOT SCALE = MSCALE#	DRAWN - ...	REVISED - ...					CONTRACT NO. 76E31	
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT DATE = MDATE#	CHECKED - ...	REVISED - ...		SCALE: ..... SHEET NO. 1 OF 2 SHEETS STA. 235+00 TO STA. 257+00			ILLINOIS FED. AID PROJECT	
		DATE -	REVISED -						



FINAL SURVEY	SURVEYED	BY:	DATE
NOTE BOOK	PLOTTED		
NO.	TOPOGRAPHY AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TOPOGRAPHY AREAS		
	AREAS CHECKED		

FILE NAME = $FILE1$

USER NAME = $USER$

PLOT SCALE = $SCALE$

PLOT DATE = $DATE$

Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED - ---
DRAWN - ---
CHECKED - ---
DATE -

REVISED -
REVISED - ---
REVISED - ---
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS (ILLINOIS 161)

SCALE: _____ | SHEET NO. 2 OF 2 SHEETS | STA. 259+00 TO STA. 271+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	3-1	CLINTON	8	8

CONTRACT NO. 76E31

ILLINOIS FED. AID PROJECT