

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 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:

- *AMEREN IP
- *AT&T ILLINOIS
- *CITY OF CENTRALIA - WATER
- *COUNTYMARK COOPERATIVE, LLP.
- *RACCOON WATER COMPANY
- *SHELL OIL COMPANY.
- *TRI-COUNTY ELECTRIC COOPERATIVE, INC.
- *VILLAGE OF WALNUT HILL

(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. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THE LOCATION.

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

5. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, BINDER COURSE AND FINAL SURFACE COURSE. ONLY THE REMOVAL OF THE FINAL SURFACE APPLICATION WILL BE PAID FOR (WORK ZONE PAVEMENT MARKING REMOVAL - SQ. FT). AN AMOUNT OF TEMPORARY PAVEMENT MARKING WHICH EQUALS THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS ALSO BEEN ADDED TO THE PLANS.

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

MIXTURE USE	INCIDENTAL & SURFACE	LEVEL BINDER	PARTIAL DEPTH PATCH
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	10%	10%	10%
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90
MIX COMPOSITION (GRADATION MIXTURE)			
FRICITION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "C"

MIXTURE USE	SHOULDERS	TOP LIFT SHOULDERS	BINDER
AC/PG	PG 58-22	PG 58-22	PG 64-22
RAP % (MAX)	30%	30%	10%
DESIGN AIR VOIDS	2.0% @ Ndes=30	*2.0% @ Ndes=30	4.0% @ Ndes=90
MIX COMPOSITION (GRADATION MIXTURE)			
FRICITION AGG	BAM	BAM	MIXTURE "B"

*TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% AIR VOIDS AND ADD ASPHALT TO REDUCE AIR 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.

7. THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

8. THE AVERAGE MILLING DEPTH WILL BE 1 1/2". ACTUAL MILLING DEPTHS MAY VARY DEPENDING ON THE EXTENT OF THE CHANNELIZATION. IT IS ESTIMATED THAT 105515 SQ. YDS. (8863.3 TONS) OF HMA SURFACE WILL BE REMOVED.

9. FLAGMEN SHALL BE PRESENT DURING ALL CLOSURE HOURS INCLUDING LUNCH HOUR AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

10. 'ROAD CONSTRUCTION AHEAD' SIGNS SHALL BE PLACED AT THE BEGINNING AND 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".

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

12. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.

13. ALL TEMPORARY PAVEMENT MARKING SHALL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

14. SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEMS AS INDICATED AND IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATION.

15. FLAGGERS SHALL BE PRESENT AT SIDEROADS PER THE STANDARDS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

16. ALL WORK SHALL CONFORM TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007 AND ALL APPLICABLE SUPPLEMENTAL SPECIFICATIONS.

17. THE RELOCATION OF ALL SIGN POSTS AND SIGNS IS INCLUDED IN THE UNIT COST FOR "EARTH EXCAVATION (WIDENING)". NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

18. 15 CALENDAR DAYS TRAFFIC CONTROL SURVEILLANCE HAS BEEN INCLUDED IN THE PLANS.

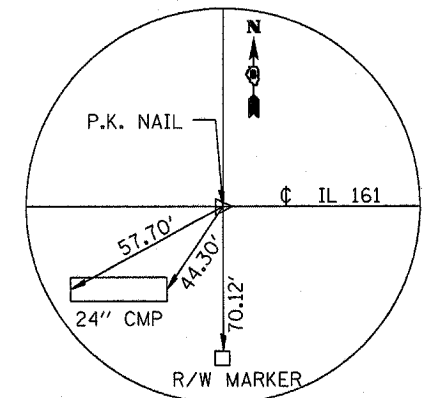
19. LOCATION OF CONCRETE HEADWALLS FOR PIPE DRAINS WILL BE DETERMINED BY ENGINEER.

COMMITMENTS

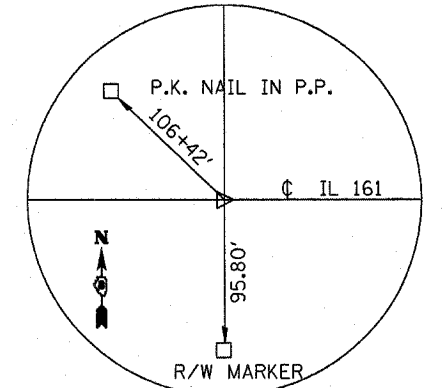
NO COMMITMENTS

STANDARDS

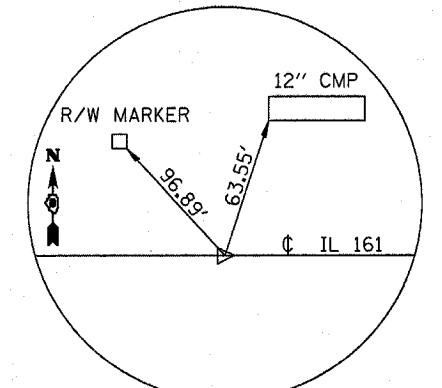
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635006-02	701336-04
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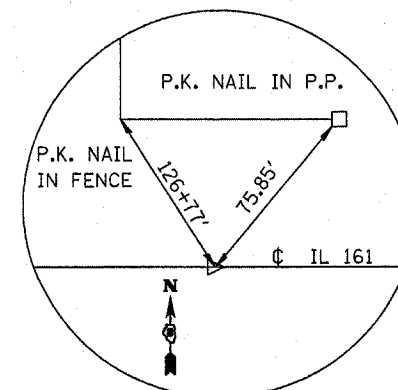
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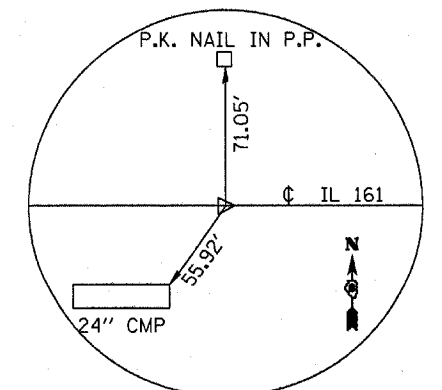
P.T. STA. 319+96.439



P.O.T. STA. 329+96.489



P.O.T. STA. 349+96.489



P.O.T. STA. 339+96.489

REV. 2-21-08

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, COMMITMENTS & STANDARDS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1)RS	MARION	81	2
CONTRACT NO. 76B33				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			100% STATE	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			100% STATE	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	I=000	-----	-----	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	I=000	-----	-----
20200500	EARTH EXCAVATION (WIDENING)	CU YD	1348	1348			54248515	CONCRETE COLLAR	EACH	2	2		
25000210	SEEDING, CLASS 2A	ACRE	0.9	0.9			542A2755	PIPE CULVERTS, CLASS A, TYPE 4 30"	FOOT	23	23		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	81	81			60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	6	6		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	81	81			60107700	PIPE UNDERDRAINS 6"	FOOT	3200	3200		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	81	81			*63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	423	423		
25100115	MULCH, METHOD 2	ACRE	0.9	0.9			*63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	8	8		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	90	90			*63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4		
28000300	TEMPORARY DITCH CHECKS	EACH	4	4			63200310	GUARDRAIL REMOVAL	FOOT	875	875		
28000400	PERIMETER EROSION BARRIER	FOOT	1053	1053			67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10		
28000500	INLET AND PIPE PROTECTION	EACH	4	4			67100100	MOBILIZATION	L SUM	1	1		
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	3378	3378			70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		
30201500	LIME	TON	33	33			70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
31101900	SUB-BASE GRANULAR MATERIAL, TYPE C	TON	160	160			70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1		
35501327	HOT-MIX ASPHALT BASE COURSE, 10 3/4"	SQ YD	1786	1786			70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1		
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	192	192			70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	15	15		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	33.3	33.3			70300100	SHORT-TERM PAVEMENT MARKING	FOOT	21819	21819		
40600300	AGGREGATE (PRIME COAT)	TON	161	161			70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	62.4	62.4		
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	3407	3407			70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	79898	79898		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	850	850			70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	337	337		
40600990	TEMPORARY RAMP	SQ YD	307	307			70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	8878	8878		
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	6813	6813			*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	62.4	62.4		
40800020	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.17	0.17			*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	81,802	81802		
40800030	AGGREGATE (PRIME COAT)	TON	0.8	0.8			*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	337	337		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	45	45			*78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	729	729		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	104093	104093			*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	402	402		
44004250	PAVED SHOULDER REMOVAL	SQ YD	1493.3	1493.3			*78200410	GUARDRAIL MARKERS, TYPE A	EACH	20	20		
44200156	PAVEMENT PATCHING, TYPE II, 13 INCH	SQ YD	1050	1050			*78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4		
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	3200	3200			78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	375	375		
48100100	AGGREGATE SHOULDERS, TYPE A	TON	400	400			Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1180	1180									
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	1423	1423									
48203100	HOT-MIX ASPHALT SHOULDERS	TON	3146	3146									
50105220	PIPE CULVERT REMOVAL	FOOT	16	16									
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2	2									

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*SPECIALTY ITEMS

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - ---	REVISED - ---		805	(101,102,61-1-1)RS	MARION	81	3			
PLOT SCALE = #SCALE#		CHECKED - ---	REVISED - ---		SCALE: _____ SHEET NO. ____ OF _____ SHEETS STA. _____ TO STA. _____			CONTRACT NO. 76B33				
PLOT DATE = #DATE#		DATE - -----	REVISED - ---		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT							

RESURFACING SCHEDULE

STATION	TO	STATION	SQYD	FEET	HMA CONC. SURF. CSE. MIX D, N90	(40600200) BITUMINOUS MATERIAL PRIME COAT	(40600300) AGGREGATE PRIME COAT	H.M.A. SURF. REMOVAL 1 1/2"	LEVELING BINDER N90	AGGREGATE SHOULDER WEDGE, TYPE B		HMA SHOULDERS		HMA SHOULDERS 8"		PAVED SHOULDER REMOVAL	STRIP REFLECTIVE CRACK CONTROL	PIPE UNDERDRAINS 6"	AGGREGATE SHOULDER, TYPE A	
					TONS	TONS	TONS	SQ. YDS.	TON	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE	TON	TON	TON	TON	SQ YD
181+00.	TO	183+58.12	688.32	258.12	57.82	0.29	1.38	917.76	28.91	5.42	5.42	8.03	8.03							
183+58.12	TO	210+49.28	7176.43	2691.16	602.82	2.99	14.35	9568.57	301.41	56.51	56.51	83.72	83.72							
210+49.28	TO	212+52.	540.59	202.72	45.41	0.23	1.08	720.78	22.70	4.26	4.26	6.31	6.31							
BRIDGE OMISSION																				
213+99.	TO	215+85.	496.00	186	41.66	0.21	0.99	661.33	20.83	3.91	3.91	5.79	5.79							
BRIDGE OMISSION																				
217+62.	TO	265+12.58	12668.21	4750.58	1064.13	5.29	25.34	16890.95	532.06	99.76	99.76	147.80	147.80							
265+12.58	TO	279+26.53	3770.53	1413.95	316.72	1.57	7.54	5027.38	158.36	29.69	29.69	43.99	43.99							
279+26.53	TO	293+49.12	3793.57	1422.59	318.66	1.58	7.59	5058.10	159.33	29.87	29.87	44.26	44.26							
293+49.12	TO	303+52.89	2676.72	1003.77	224.84	1.12	5.35	3568.96	112.42	21.08	21.08	31.23	31.23							
303+52.89	TO	314+00.	2792.29	1047.11	234.55	1.16	5.58	3723.06	117.28	21.99	21.99	32.58	32.58							
314+00.	TO	320+00.	2200.00	600	184.80	0.81	3.20	2133.33	92.40					266.67	266.67	560	1200	1200	150	
320+00.	TO	326+50.	2744.44	650	230.53	0.72	4.98	2311.11	115.27					288.89	288.89	606.67	1300	1300	162.5	
326+50.	TO	330+00.	1283.33	350	107.80	0.56	2.28	1244.44	53.90					155.56	155.56	326.67	700	700	87.5	
330+00.	TO	352+67.93	6047.81	2267.93	508.02	2.52	12.10	8063.75	254.01	47.63	47.63	70.56	70.56							
352+67.93	TO	393+61.18	10915.33	4093.25	916.89	4.55	21.83	14553.78	458.44	85.96	85.96	127.35	127.35							
393+61.18	TO	413+01.14	5173.23	1939.96	434.55	2.16	10.35	6897.64	217.28	40.74	40.74	60.35	60.35							
413+01.14	TO	447+81.91	9282.05	3480.77	779.69	3.87	18.56	12376.07	389.85	73.10	73.10	108.29	108.29							
447+81.91	TO	461+37.03	3613.65	1355.12	303.55	1.51	7.23	4818.20	151.77	28.46	28.46	42.16	42.16							
461+37.03	TO	481+00.	5234.59	1962.97	439.71	2.18	10.47	6979.45	219.85	41.22	41.22	61.07	61.07							
TOTAL:					6812.16	33.33	160.20	105514.67	3406.08	1179.19		1746.95		1422.22	1493.33	3200.00	3200.00	400.00		

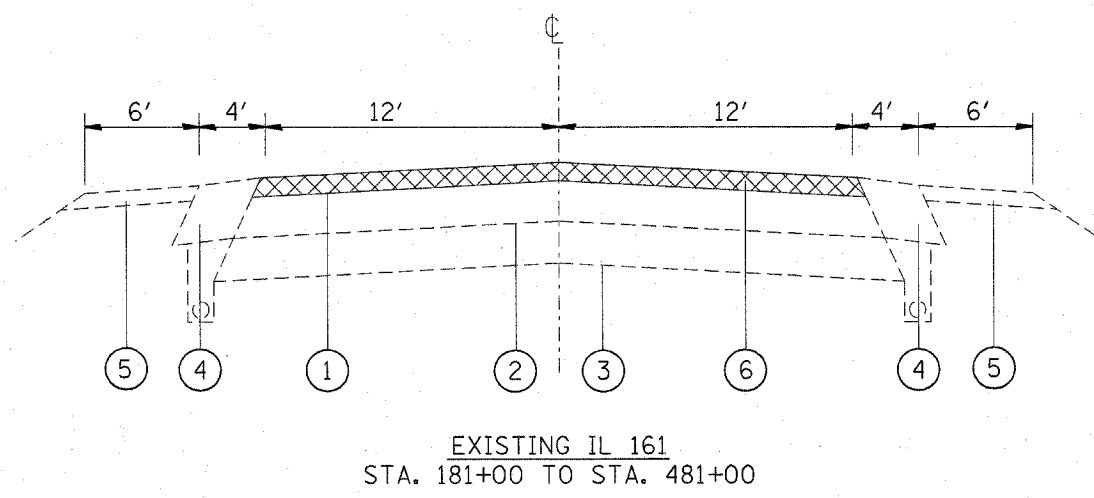
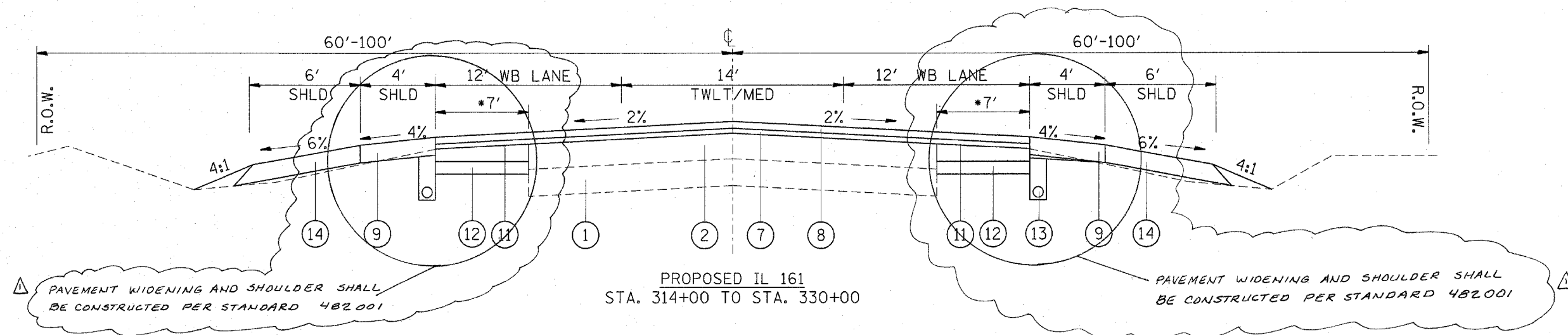
EARTHWORK SCHEDULE

STATION	TO	STATION	UNADJUSTED WIDENING EXCAVATION (CU YD)	WIDENING EXCAVATION ADJUSTED FOR 25% SHINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
313+50	TO	314+00.00	0.0	0.0	0.0	0.0
314+00.00	TO	314+50.00	45.7	34.3	5.6	28.7
314+50.00	TO	315+00.00	44.1	33.1	10.9	22.2
315+00.00	TO	315+50.00	46.9	35.2	11.2	24
315+50.00	TO	315+62.14	15.6	11.7	1.4	10.3
315+62.14	TO	315+78.03	21	15.8	0.8	15
315+78.03	TO	316+00.00	23.2	17.4	1.1	16.3
316+00.00	TO	316+50.00	50	37.5	9.8	27.7
316+50.00	TO	317+00.00	54.5	40.9	13	27.9
317+00.00	TO	317+50.00	66.8	50.1	5.2	44.9
317+50.00	TO	317+59.62	14	10.5	0.4	10.1
317+59.62	TO	318+00.00	50.4	37.8	14.7	23.1
318+00.00	TO	318+50.00	55.2	41.4	35.1	6.3
318+50.00	TO	319+00.00	56.8	42.6	41.4	1.2
319+00.00	TO	319+50.00	61.1	45.8	42.3	3.5
319+50.00	TO	320+00.00	69.5	52.1	33.7	18.4
320+00.00	TO	320+50.00	77.5	58.1	30.9	27.2
320+50.00	TO	320+89.63	60.1	45.1	19.4	25.7
320+89.63	TO	321+54.52	93.2	69.9	197.1	-127.2
321+54.52	TO	322+00.00	67.6	50.7	148.7	-98
322+00.00	TO	322+77.53	120.6	90.5	51.4	39.1
322+77.53	TO	323+50.00	109.6	82.2	60.4	21.8
323+50.00	TO	324+00.00	70.8	53.1	61.8	-8.7
324+00.00	TO	324+20.62	31.3	23.5	26.3	-2.8
324+20.62	TO	324+50.00	42.5	31.9	63.4	-31.5
TOTAL =			1348.0	1011.2	886.0	125.2

SEEDING								
STA	TO	STA	SIDE (LT/RT)	SEEDING, CLASS 2 (ACRE)	NITROGEN FERTILIZER (POUND)	PHOSPHORUS FERTILIZER (POUND)	POTASSIUM NUTRIENT (POUND)	MULCH METHOD (ACRE)
314+00	TO	330+00	RT	0.46	41.4	41.4	41.4	0.46
314+00	TO	330+00	LT	0.44	39.6	39.6	39.6	0.44
TOTAL:				0.90	81.0	81.0	81.0	0.90

STATION	AREA	AGGREGATE FOR TEMPORARY ACCESS (TON)
314+45.89	429	15.89
315+58.33	546	20.22
315+78.45	320	11.85
317+49.79	375	13.89
317+58.98	249	9.22
320+89.19	632	23.41
322+77.37	352	13.04
325+82.04	315	11.67
326+71.03	486	18.00
327+22.05	593	21.96
327+96.75	473	17.52
329+35.29	414	15.33
TOTAL:		192.00

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LEGEND

- ① EXISTING BITUMINOUS BINDER AND SURFACE COURSE ± 4 1/4"
- ② EXISTING P.C.C. PAVEMENT
- ③ EXISTING STABILIZED SUB BASE
- ④ EXISTING STABILIZED SHOULDER (8")
- ⑤ EXISTING AGGREGATE SHOULDER TYPE B
- ⑥ PROPOSED HMA SURFACE REMOVAL 1 1/2"
- ⑦ PROPOSED LEVELING BINDER 3/4"
- ⑧ PROPOSED HMA SURFACE COURSE 1 1/2"
- ⑨ PROPOSED HMA SHOULDERS 8"
- ⑩ PROPOSED AGGREGATE WEDGE, TYPE B
- ⑪ PROPOSED HMA BINDER COURSE, 10 3/4"
- ⑫ PROPOSED LIME MODIFIED SOIL, 12"
- ⑬ PROPOSED PIPE UNDERDRAINS 6"
- ⑭ PROPOSED AGGREGATE SHOULDER, TYPE A 6"
- ⑮ PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
- ⑯ PROPOSED AGGREGATE MATERIAL (PRIME COAT)
- ⑰ PROPOSED STRIP REFLECTIVE CRACK CONTROL

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FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION	SCALE: _____	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	F.A.P. RTE. 805	SECTION (101,102,61-1)RS	COUNTY MARION	TOTAL SHEETS 81	SHEET NO. 9	
		DRAWN - ---	REVISED - ---						FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		CONTRACT NO. 76833	
		CHECKED - ---	REVISED - ---											
		DATE - ---	REVISED - ---											