

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
861A	119RS-3	RANDOLPH	14	1
		ILLINOIS	CONTRACT NO. 76F80	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

FAP ROUTE 861A (IL 150 /004)
SECTION 119RS-3
PROJECT NO. STP-AS8B(636)
RESURFACING - 3P
RANDOLPH COUNTY

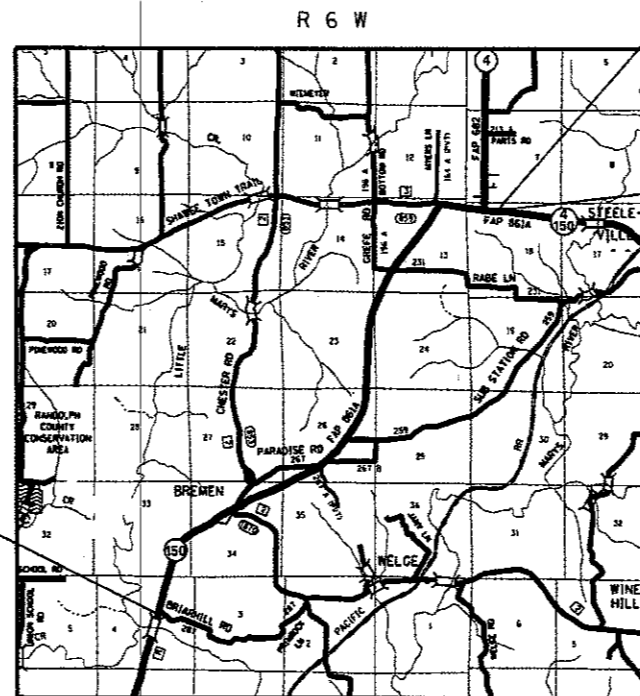
C-98-073-12

TRAFFIC DATA

ADT = 5150 (2015) (ACTUAL)
ADT = 5200 (2017) (ESTIMATED)
ADT = 6600 (2034) (ESTIMATED)
SU = 12.8%
MU = 26.0%

DESIGN DESIGNATION

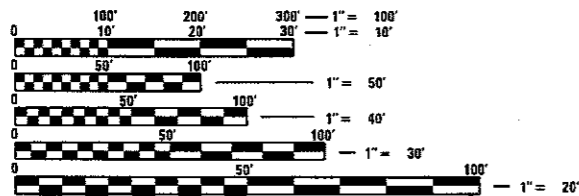
OTHER ARTERIAL



STA. EQUATION
STA. 988 + 00 BK =
STA. 0 + 29 AH

BEGIN PROJECT
STA. 986 + 66
LAT. : 38.01354
LONG. : -89.69798

END PROJECT
STA. 335 + 45
LAT. : 37.95083
LONG. : -89.76616



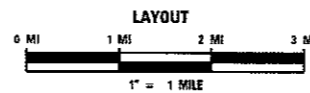
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: HERVE GELIN (618)346-3179
SQUAD LEADER: CECIL DOWNING (618)346-3186

CONTRACT NO. 76F80

LOCATION MAP



GROSS LENGTH = 33650 FT. = 6.373 MILE
NET LENGTH = 33650 FT. = 6.373 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED: Feb 1 20 18
Jeffrey Z. Kan... REGIONAL ENGINEER
Mar 23 20 18
... ENGINEER OF DESIGN AND ENVIRONMENT
Mar 23 20 18
Paul P. Ch... DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				ROADWAY	0005
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	105	105	
25000305	SEEDING, CLASS 3A	ACRE	0.25	0.25	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23	23	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	23	23	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23	23	
25100900	TURF REINFORCEMENT MAT	SQ YD	1042	1042	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	43684	43684	
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	21845	21845	
40600990	TEMPORARY RAMP	SQ YD	177	177	
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	12239	12239	
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	9518	9518	
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	99449	99449	
44200050	WELDED WIRE REINFORCEMENT	SQ YD	547	547	
44200192	PAVEMENT PATCHING, TYPE II, 16 INCH	SQ YD	439	439	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				ROADWAY	0005
44200196	PAVEMENT PATCHING, TYPE III, 16 INCH	SQ YD	212	212	
44200198	PAVEMENT PATCHING, TYPE IV, 16 INCH	SQ YD	827	827	
44201043	CLASS B PATCHES, TYPE II, 16 INCH	SQ YD	166	166	
44201047	CLASS B PATCHES, TYPE III, 16 INCH	SQ YD	74	74	
44201048	CLASS B PATCHES, TYPE IV, 16 INCH	SQ YD	473	473	
44201299	DOWEL BARS 1 1/2"	EACH	575	575	
44213200	SAW CUTS	FOOT	2093	2093	
44213204	TIE BARS 3/4"	EACH	138	138	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	67390	67390	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1826	1826	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	3688	3688	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	126	126	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	11051	11051	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	

FILE NAME = p:\11084EBID\INTEG\Illinois.gov\PW1007\Documents\1007 Offices\District 8\Projects\0875\DRAWING\Date\EA\Sheets\ds76f80-sht-plan-1.dwg
 USER NAME = DintelmanJN
 DESIGNED -
 CHECKED -
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 2/1/2018
 REVISIONS:
 REVISIONS:
 REVISIONS:

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

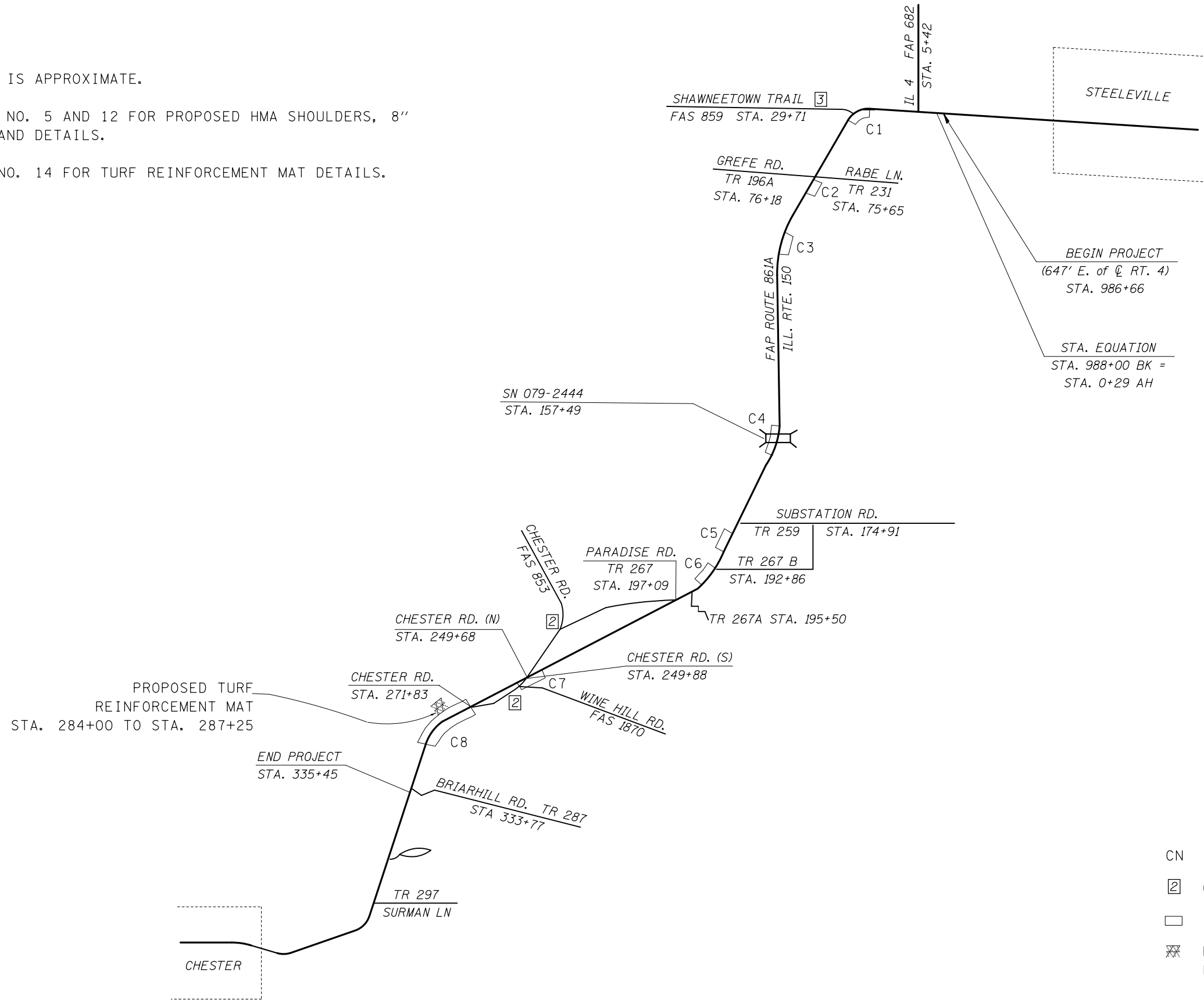
F.A.P. RTE. 861A SECTION 119RS-3 COUNTY RANDOLPH TOTAL SHEETS 14 SHEET NO. 3 CONTRACT NO. 76F80 ILLINOIS FED. AID PROJECT

NOTES:

STATIONING IS APPROXIMATE.

SEE SHEETS NO. 5 AND 12 FOR PROPOSED HMA SHOULDERS, 8" LOCATIONS AND DETAILS.

SEE SHEET NO. 14 FOR TURF REINFORCEMENT MAT DETAILS.

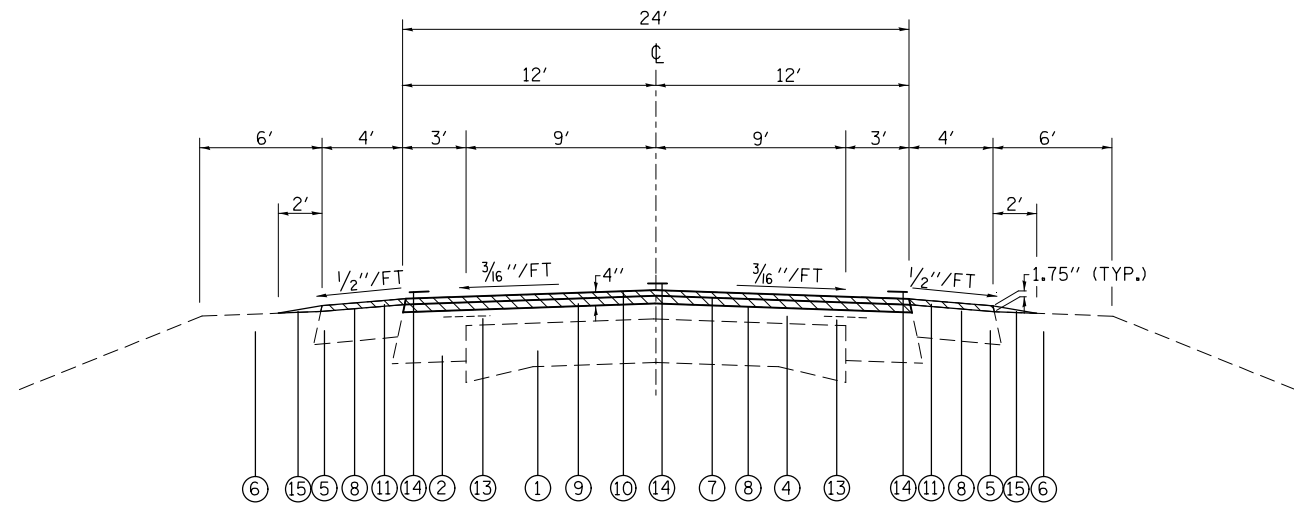


LEGEND:

- CN DENOTES CURVE
- ☐ COUNTY HIGHWAY
- PROPOSED HMA SHOULDERS, 8"
- ▨ PROPOSED TURF REINFORCEMENT MAT

NOT TO SCALE

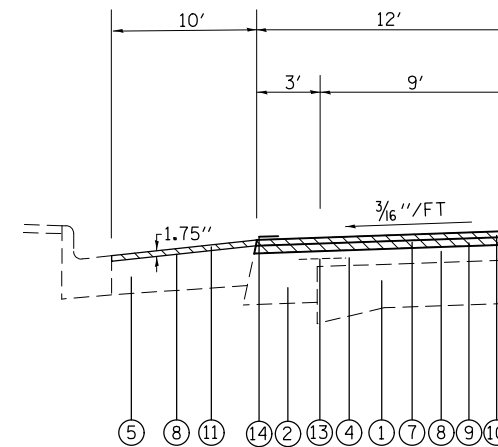
FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION MAP			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 8\Projects\0875\Drawings\EA\Sheets\d876f80-sht-plan\REVISED -		CHECKED -	REVISED -		861A	119RS-3	RANDOLPH	14	5			
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -		CONTRACT NO. 76F80			ILLINOIS FED. AID PROJECT				
PLOT DATE = 2/1/2018					SCALE: NTS	SHEET 1	OF 1 SHEETS	STA.	TO STA.			



TYPICAL SECTION

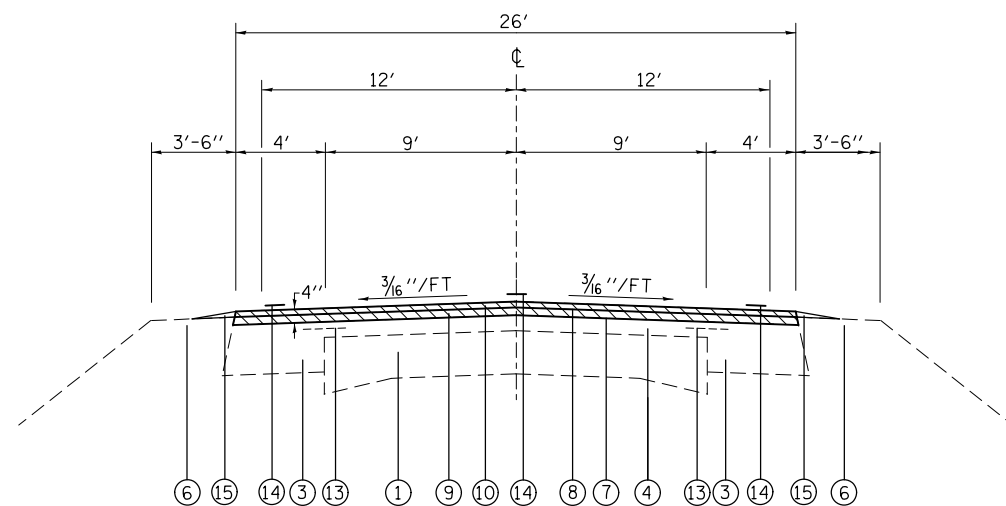
STA. 986+66 TO STA. 988+00 BK
 STA. 0+29 AH TO STA. 11+45

(SEE DETAIL AT RIGHT FOR AREAS WITH SHOULDER VARIATION)



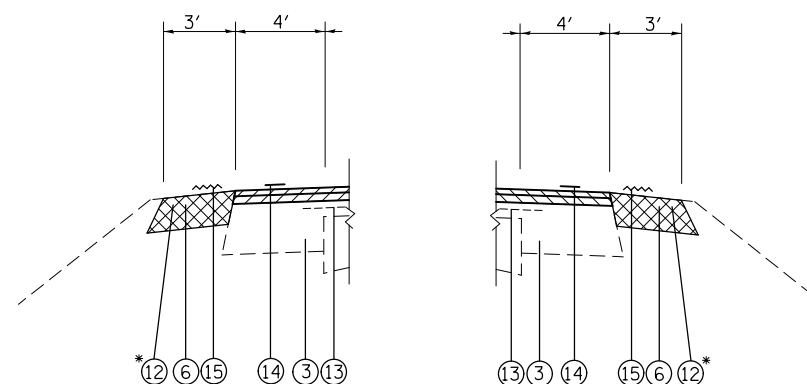
SHOULDER VARIATION (LEFT SIDE ONLY)

STA. 987+54 TO STA. 988+00 BK
 STA. 0+29 AH TO STA. 4+29
 STA. 6+29 TO STA. 8+29



TYPICAL SECTION

STA. 11+45 TO STA. 33+65



**TYPICAL SECTION
 HMA SHOULDERS 8"**

* HMA SHOULDERS, 8" SHALL BE PLACED AT THE STATIONS BELOW:

- STA. 22+92 TO STA. 33+61 LT (CURVE 1)
- STA. 77+97 TO STA. 85+97 LT (CURVE 2)
- STA. 100+22 TO STA. 109+27 LT (CURVE 3)
- STA. 141+70 TO STA. 160+66 RT (CURVE 4)
- STA. 172+63 TO STA. 181+91 RT (CURVE 5)
- STA. 191+46 TO STA. 200+40 RT (CURVE 6)
- STA. 245+34 TO STA. 254+98 LT (CURVE 7)
- STA. 273+19 TO STA. 287+27 LT
- STA. 273+32 TO STA. 287+27 RT
- STA. 287+27 TO STA. 296+23 (CURVE 8)

NOTES:

CARE SHALL BE EXERCISED NOT TO MILL INTO THE EXISTING PCC PAVEMENT NOTABLY IN THE VICINITY OF THE IL 150/4 INTERSECTION.

SEE THE SCHEDULE ON SHEET NO. 5 AND SHEET NO. 10 FOR DETAILS ON THE LOCATIONS AND PLACEMENT OF PROPOSED HMA SHOULDERS, 8".

LEGEND

- ① EXISTING 9'-6"-9" PCC PAVEMENT
- ② EXISTING HMA BASE COURSE WIDENING, 8"
- ③ EXISTING HMA BASE COURSE WIDENING, 9"
- ④ EXISTING HMA RESURFACING, ± 9"
- ⑤ EXISTING HMA SHOULDER, 8"
- ⑥ EXISTING AGGREGATE SHOULDERS, TYPE A, 8"
- ⑦ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)
- ⑧ PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- ⑨ PROPOSED HMA BINDER COURSE, 2.25"
- ⑩ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "D", N90 - 1.75"
- ⑪ PROPOSED HMA SHOULDERS, VARIES 1.75"
- ⑫ PROPOSED HMA SHOULDERS, 8"*
- ⑬ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑭ PROPOSED PAVEMENT MARKING
- ⑮ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

- PROPOSED HMA SURFACE REMOVAL

- PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER

FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\0875\BROWNDATA\EA0\sheet\d876f80-sht-plan\		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
861A	119RS-3	RANDOLPH	14	6
CONTRACT NO. 76F80				
ILLINOIS FED. AID PROJECT				

RESURFACING SCHEDULE																
LOCATION		AVERAGE ROADWAY WIDTH	LENGTH	AREA	HMA SURFACE REMOVAL - 4"	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	BITUMINOUS MATERIALS (TACK COAT)	STRIP REFLECTIVE CRACK CONTROL TREATMENT	HMA BINDER COURSE, 2.25"	POLYMERIZED HMA SURFACE COURSE, 1.75"	HMA SOULDERS		AGGREGATE WEDGE SHOULDER, TYPE B			
											LEFT	RIGHT	LEFT	RIGHT		
STATION	TO	STATION	FOOT	FOOT	SQ YD	SQ YD	POUND	POUND	FOOT	TON	TON	TON	TON	TON	TON	
986+51	TO	988+00	24	149	397.33	530	90	179	298	51	39	7	7	3	3	
0+29	TO	4+29	24	400	1066.67	1423	240	480	800	135	105	18	18		8	
4+29	TO	6+29	24	200	533.33	712	120	240	400	68	53	9	9	3	1	
6+29	TO	8+29	24	200	533.33	712	120	240	400	68	53	9	9		4	
8+29	TO	11+45	24	316	842.67	1124	190	380	632	107	83	14	14	6	6	
11+45	TO	18+62	26	717	2071.33	2550	467	933	1434	261	203			14	14	
18+62	TO	30+31	26	1169	3377.11	4157	760	1520	2338	426	331			22	22	
30+31	TO	76+18	26	4587	13251.33	13252	2982	5964	9174	1670	1299			129	129	
76+18	TO	157+49	26	8131	23489.56	23490	5286	10571	16262	2960	2302			228	228	
157+49	TO	174+91	26	1742	5032.44	5033	1133	2265	3484	635	494			49	49	
174+91	TO	197+09	26	2218	6407.56	6408	1442	2884	4436	808	628			63	63	
197+09	TO	249+68	26	5259	15192.67	15193	3419	6837	10518	1915	1489			148	148	
249+68	TO	271+83	26	2215	6398.89	6399	1440	2880	4430	807	628			63	63	
271+83	TO	333+77	26	6194	17893.78	17894	4027	8053	12388	2255	1754			174	174	
333+77	TO	335+75	26	198	572.00	572	129	258	396	73	57	6	6	6	6	
SUBTOTAL							99449	21845	43684	67390	12239	9518	63	63	908	918
TOTAL							99449	21845	43684	67390	12239	9518	126		1826	

HMA SHOULDER 8" SCHEDULE								
LOCATION				SIDE	EXCAVATING AND GRADING EXISTING SHOULDER	HMA SHOULDERS, 8"		SHOULDER RUMBLE STRIPS 8"
						LEFT	RIGHT	
STATION	TO	STATION			UNIT	SQ YD		FOOT
CURVE 1	22+92	TO	33+61	LT	11	357		1069
CURVE 2	77+97	TO	85+97	LT	8	267		800
CURVE 3	100+22	TO	109+27	LT	10	302		905
CURVE 4	151+70	TO	160+66	RT	9		299	896
CURVE 5	172+63	TO	181+91	RT	10		310	928
CURVE 6	191+46	TO	200+40	RT	9		298	894
CURVE 7	245+34	TO	254+98	LT	10	322		964
TANGENT	273+19	TO	287+27	LT	15	470		1408
TANGENT	273+32	TO	287+27	RT	14		465	1395
CURVE 8	287+27	TO	296+23	LT/RT	9	299	299	1792
SUBTOTALS					105	2017	1671	11051
TOTALS					105	3688		11051

SLOPE STABILIZATION SCHEDULE							
STATION	LENGTH OF SLOPE	AREA	TURF REINFORCEMENT MAT	SEEDING, CLASS 3A	FERTILIZER NUTRIENTS		
	FOOT	SQ YD	SQ YD	ACRE	NITROGEN POUND	PHOSPHORUS POUND	POTASSIUM POUND
284+00	27.0	76	76	0.02	1.8	1.8	1.8
284+25	27.8	78	78	0.02	1.8	1.8	1.8
284+50	28.4	79	79	0.02	1.8	1.8	1.8
284+75	28.8	80	80	0.02	1.8	1.8	1.8
285+00	28.9	79	79	0.02	1.8	1.8	1.8
285+25	27.7	78	78	0.02	1.8	1.8	1.8
285+50	28.6	80	80	0.02	1.8	1.8	1.8
285+75	29.1	82	82	0.02	1.8	1.8	1.8
286+00	29.6	83	83	0.02	1.8	1.8	1.8
286+25	29.9	84	84	0.02	1.8	1.8	1.8
286+50	30.5	83	83	0.02	1.8	1.8	1.8
286+75	29.0	81	81	0.02	1.8	1.8	1.8
287+00	29.1	80	80	0.02	1.8	1.8	1.8
287+25	28.3	*					
TOTALS			1042	0.25	23	23	23

NOTE: LENGTH OF SLOPE INCLUDES DITCH TO BE LINED.

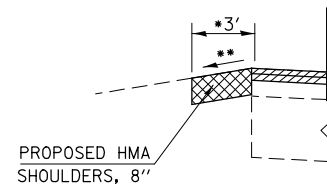
*ANTICIPATED LIMIT: ABOVE AREAS CALCULATED OVER 25' AT THE AVERAGE LENGTH OF SLOPE OVER THAT 25'.

PAVEMENT MARKING SCHEDULE

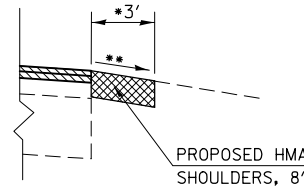
LOCATION			THERMOPLASTIC PAVEMENT MARKING				RAISED RELFLECTIVE PAVEMENT MARKER REMOVAL	RAISED RELFLECTIVE PAVEMENT MARKERS	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL
			4"		24"					
			SOLID WHITE EDGE LINE	SKIP-DASH YELLOW CENTERLINE	SOLID YELLOW LINE	SOLID WHITE STOP BARS				
STA.	TO	STA.	FOOT	FOOT	FOOT		EACH	EACH	FOOT	SQ FT
986+66	TO	14+67	2880	360		24	18	18	288	96
14+67	TO	25+78	2222	278	1111		14	14	224	75
25+78	TO	31+60	1164		1164		7	7	118	39
31+60	TO	49+40	3560	445	1780		22	22	356	119
49+40	TO	78+23	5766	721			36	36	578	193
78+23	TO	87+99	1952	244	976		12	12	196	65
87+99	TO	88+73	148	19			1	1	16	5
88+73	TO	97+97	1848	231			12	12	186	62
97+97	TO	101+03	612	77	536		4	4	62	21
101+03	TO	111+75	2144	268	970		13	13	216	72
111+75	TO	122+45	2140		2140		13	13	214	71
122+45	TO	132+25	1960	245	980		12	12	196	65
132+25	TO	136+37	824	103			5	5	84	28
136+37	TO	142+20	1166	146	283		7	7	118	39
142+20	TO	146+14	788	99			5	5	80	27
146+14	TO	149+80	732	92	366		5	5	74	25
149+80	TO	152+18	476		476		3	3	48	16
152+18	TO	161+18	1800	225	900		11	11	180	60
161+18	TO	162+58	280		280		2	2	28	9
162+58	TO	172+68	2020	253	1010		13	13	202	67
172+68	TO	174+68	400		400		3	3	40	13
174+68	TO	182+43	1550	194	775		10	10	156	52
182+43	TO	191+98	1910	239	955		12	12	192	64
191+98	TO	192+83	170		170		1	1	18	6
192+83	TO	200+93	1620	203	810		10	10	162	54
200+93	TO	203+03	420	53			3	3	42	14
203+03	TO	211+43	1680	210	840		11	11	168	56
211+43	TO	213+50	414	52			3	3	42	14
213+50	TO	221+20	1540	193	770		10	10	154	51
221+20	TO	223+70	500	63			3	3	50	17
223+70	TO	232+25	1710	214	855		11	11	172	57
232+25	TO	242+20	1990	249			12	12	200	67
242+20	TO	253+70	2300	288	1150		14	14	230	77
253+70	TO	255+40	340		340		2	2	34	11
255+40	TO	263+25	1570	196	785		10	10	158	53
263+25	TO	264+45	240		240		2	2	24	8
264+45	TO	274+35	1980	248	990		12	12	198	66
274+35	TO	276+25	380		380		2	2	38	13
276+25	TO	283+20	1390	174	695		9	9	140	47
283+20	TO	287+00	760		760		5	5	76	25
287+00	TO	293+45	1290	161	645		8	8	130	43
293+45	TO	296+45	600		600		4	4	60	20
296+45	TO	307+00	2110	264	1055		13	13	212	71
307+00	TO	335+45	5690	711			36	36	570	190
SUB-TOTAL			67036	7511	26187	24	419	419	6730	2243
TOTAL				100734		24	419	419	6730	2243

NOTES:
PRIOR TO HMA SURFACE REMOVAL, THE RESIDENT ENGINEER SHALL NOTE AND RECORD ALL NO PASSING ZONE LOCATIONS FOR REPLACEMENT DURING FINAL STRIPING OPERATIONS.
STOP BARS AT THE INTERSECTION OF IL 150 AND IL 4 SHALL BE PLACED ADJACENT TO THE EXISTING STOP SIGNS.
A QUANTITIY OF TEMPORARY PAVEMENT MARKING HAS BEEN INCLUDED IN THE PLANS EQUAL TOO THE THERMOPLASTIC PAVEMENT MARKING QUANTITIES.

FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SCHEDULE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 8\Projects\0876\Drawings\EA\Sheets\d876f80-sht-plan	DESIGNED -	REVISED -	861A			119R5-3	RANDOLPH	14	11	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 76F80							
PLOT DATE = 2/1/2018	DATE -	REVISED -	SCALE:			SHEET 5 OF 5 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		



PROPOSED HMA SHOULDERS, 8"



PROPOSED HMA SHOULDERS, 8"



- PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER

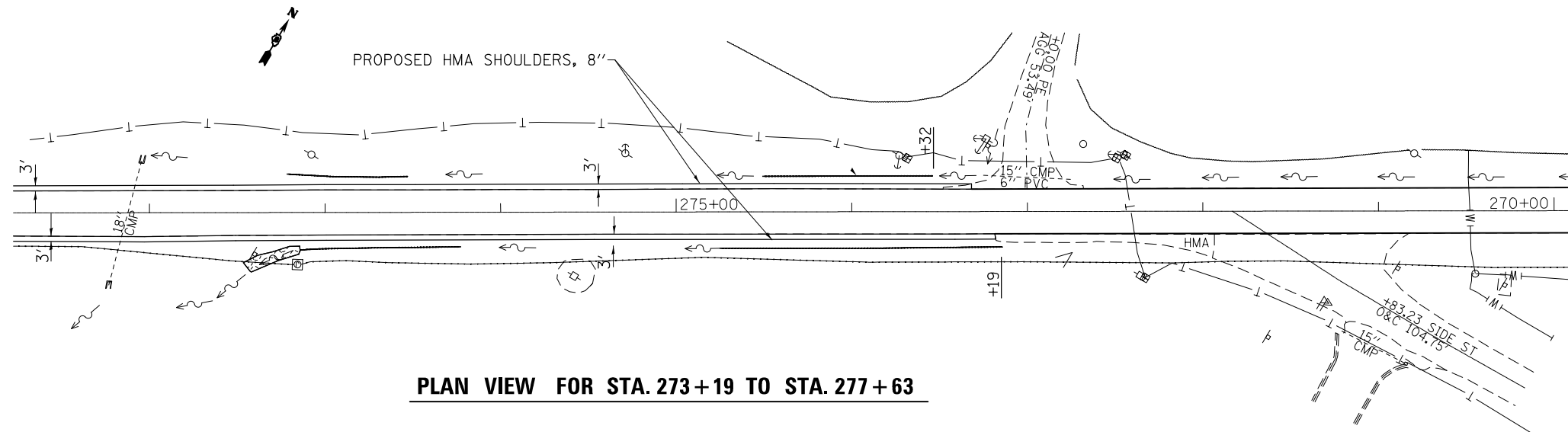
•WHEN THE SUPERELEVATION RATE OF THE PAVEMENT IS BETWEEN 0% AND 4%, THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SUPERELEVATION RATE OF THE PAVEMENT EXCEEDS 4%, THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN PAVEMENT AND SHOULDER WILL NOT BE GREATER THAN 12%.

••SLOPE SHALL BE THE SAME AS THE SUPERELEVATION RATE BUT NOT LESS THAN 4%.

SHOULDERS IN TANGENT AREAS SHALL BE SLOPED AT 4%.

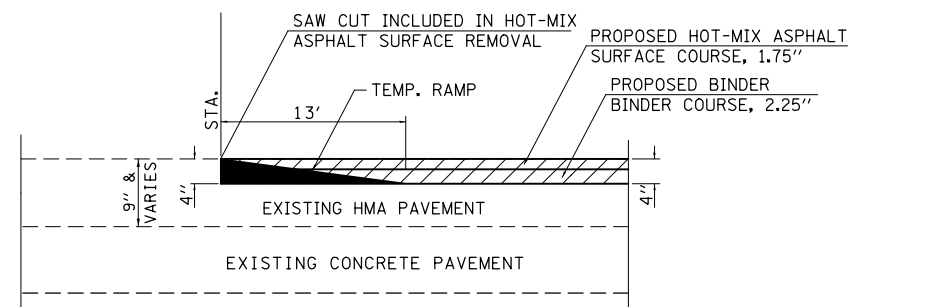
PROPOSED HMA SHOULDERS, 8" DETAIL

- STA. 22+92 TO STA. 33+61 LT (CURVE 1)
- STA. 77+97 TO STA. 85+97 LT (CURVE 2)
- STA. 100+22 TO STA. 109+27 LT (CURVE 3)
- STA. 141+70 TO STA. 160+66 RT (CURVE 4)
- STA. 172+63 TO STA. 181+91 RT (CURVE 5)
- STA. 191+46 TO STA. 200+40 RT (CURVE 6)
- STA. 245+34 TO STA. 254+98 LT (CURVE 7)
- STA. 273+19 TO STA. 287+27 LT
- STA. 273+32 TO STA. 287+27 RT
- STA. 287+27 TO STA. 296+23 LT & RT (CURVE 8)




PLAN VIEW FOR STA. 273+19 TO STA. 277+63

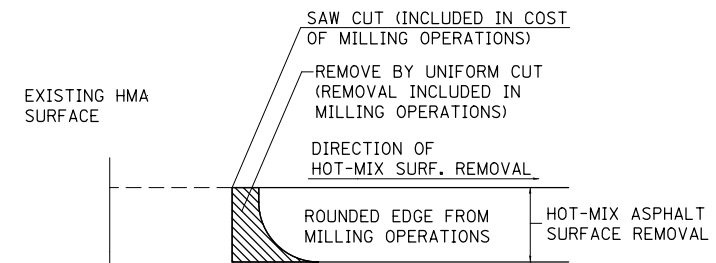
FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED SHOULDER DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 8\Projects\0875\Drawings\EA0\Sheets\d876f80-sht-plan\	DESIGNED -	REVISED -	REVISED -					861A	119RS-3	RANDOLPH	14	12
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 76F80			ILLINOIS FED. AID PROJECT				
PLOT DATE = 2/1/2018	DATE -	REVISED -	REVISED -		SCALE: NTS	SHEET 1	OF 1 SHEETS	STA.	TO STA.			



SURFACE TRANSITION DETAIL

NOT TO SCALE

 HOT-MIX ASPHALT SURFACE REMOVAL, 4"



NOTE: WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

MILLING DETAIL

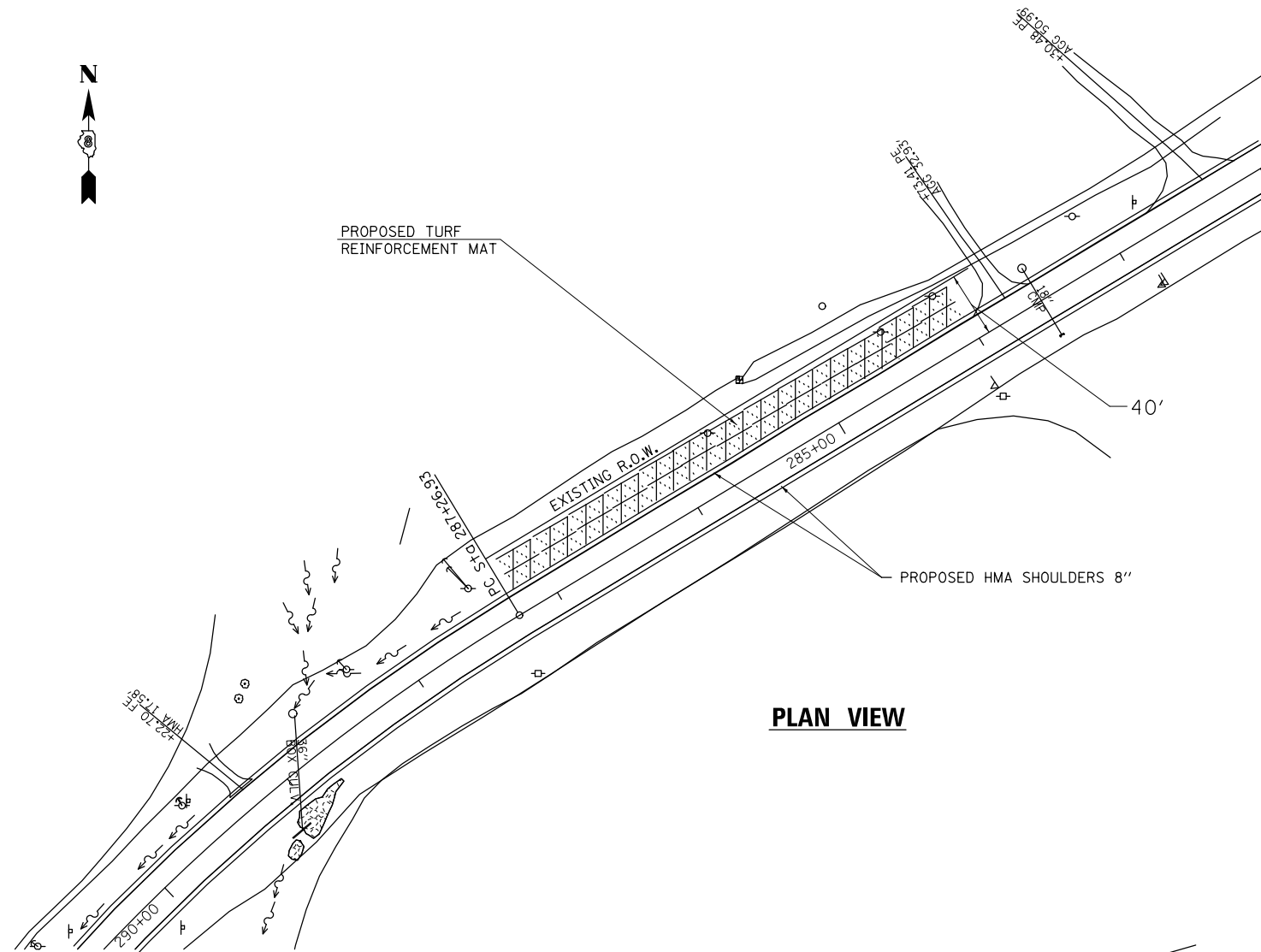
NOT TO SCALE

FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -
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	PLOT DATE = 2/1/2018	DATE -	REVISED -

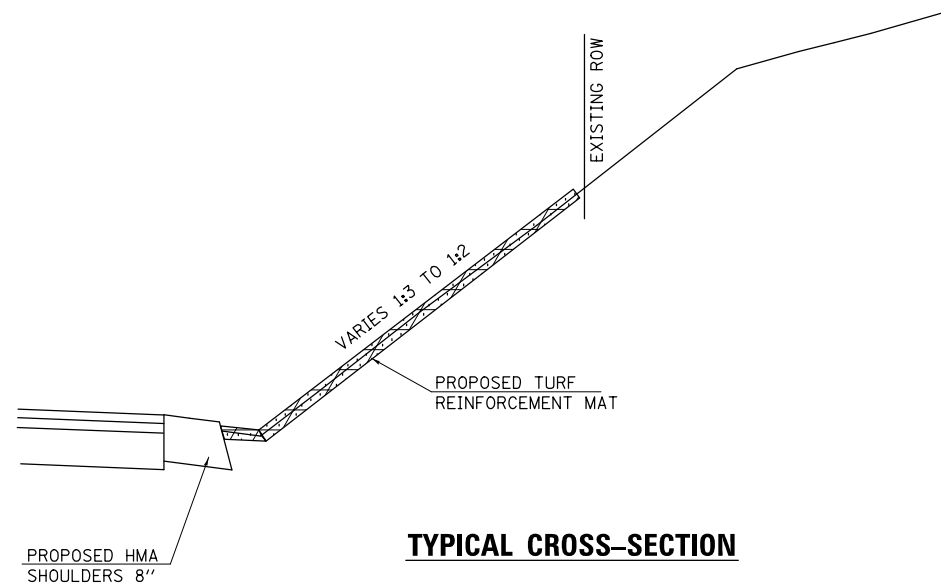
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
861A	119RS-3	RANDOLPH	14	13
CONTRACT NO. 76F80				
ILLINOIS FED. AID PROJECT				



PLAN VIEW



TYPICAL CROSS-SECTION

NOTES:

THE EXACT LIMITS OF SEEDING AND PLACEMENT OF TURF REINFORCEMENT MAT ARE TO BE DETERMINED AT THE DISCRETION OF THE DISTRICT GEOTECHNICAL ENGINEER AND THE RESIDENT ENGINEER.

THE GROUND SURFACE SHALL BE PREPARED ACCORDING TO MANUFACTURER RECOMMENDATIONS AND SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS. QUANTITIES FOR NITROGEN, PHOSPHORUS, AND POTASSIUM FERTILIZERS AND SEEDING, CLASS 3A HAVE BEEN INCLUDED IN THE CONTRACT PLANS FOR USE AT THIS LOCATION.

THE EXISTING DITCH SHALL BE REGRADED TO THE SATISFACTION OF THE RESIDENT ENGINEER PRIOR TO PLACEMENT OF THE MAT.

THE TURF REINFORCEMENT MAT SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR "TURF REINFORCEMENT MAT" WHICH PRICE SHALL INCLUDE ALL EQUIPMENT, LABOR AND MATERIALS NECESSARY TO COMPLETE THE WORK.

THE TURF REINFORCEMENT MAT SHALL MEET OR EXCEED TENSAR NORTH AMERICAN GREEN P550 SPECIFICATIONS AND COMPLY WITH THE SPECIFICATIONS ON THE TABLE BELOW:

PROPERTY	TEST METHOD	TYPICAL
THICKNESS	ASTM D6525	0.72 in. (18.29 mm)
DENSITY	ASTM D792	0.892 g/cm ³
MASS/UNIT AREA	ASTM 6566	21.25 oz./sy (723 g/sm)
UV STABILITY	ASTM D4355/1000 HR	100%
STIFFNESS	ASTM D1388	366.3 oz-in.
TENSILE STRENGTH-TD	ASTM D6818	1191.6 lbs./ft. (17.67 kN/m)
ELONGATION-TD	ASTM D6818	28.8%