

SEEDING SCHEDULE

LOCATION STATION TO STATION	LT/RT	PLAN AREA (BACKSLOPES) SQ FT	PLAN AREA (FORESLOPES & DITCH BOTTOMS) SQ FT	PLAN AREA x SLOPE FACTOR FOR BACKSLOPES SQ FT	PLAN AREA x SLOPE FACTOR FOR FORESLOPES SQ FT	PLAN AREA (BACKSLOPES) SQ YD	PLAN AREA (FORESLOPES & DITCH BOTTOMS) SQ YD	SEEDING, CLASS 4 ACRE	SEEDING, CLASS 6 (MODIFIED) ACRE	MULCH. METHOD 2 (ON TEMP SEEDING AREA) ACRE	TEMPORARY EROSION CONTROL SEEDING (100 LB/ACRE) POUND
STA. 669+00.00 TO STA. 670+00.00	LT	612.20	3009.47	648.93	3144.90	72.10	349.43	0.01	0.07	0.09	8.71
STA. 669+00.00 TO STA. 670+00.00	RT	1026.60	4021.24	1088.20	4202.20	120.91	466.91	0.02	0.10	0.12	12.15
STA. 670+00.00 TO STA. 671+00.00	LT	584.12	3326.33	619.17	3476.01	68.80	386.22	0.01	0.08	0.09	9.40
STA. 670+00.00 TO STA. 671+00.00	RT	1284.08	4437.48	1361.12	4637.17	151.24	515.24	0.03	0.11	0.14	13.77
STA. 671+00.00 TO STA. 672+00.00	LT	658.91	3346.86	698.44	3497.47	77.60	388.61	0.02	0.08	0.10	9.63
STA. 671+00.00 TO STA. 672+00.00	RT	2418.65	4332.41	2563.77	4527.37	284.86	503.04	0.06	0.10	0.16	16.28
STA. 672+00.00 TO STA. 672+50.00	LT	358.21	1690.19	379.70	1766.25	42.19	196.25	0.01	0.04	0.05	4.93
STA. 672+50.00 TO STA. 673+50.00	LT	919.14	2414.07	974.29	2522.70	108.25	280.30	0.02	0.06	0.08	8.03
STA. 672+00.00 TO STA. 673+00.00	RT	3192.46	4389.55	3384.01	4587.08	376.00	509.68	0.08	0.11	0.18	18.30
STA. 673+00.00 TO STA. 674+15.00	RT	2184.48	3865.64	2315.55	4039.59	257.28	448.84	0.05	0.09	0.15	14.59
STA. 675+30.00 TO STA. 676+00.00	LT		4979.56		5203.64		578.18		0.12	0.12	11.95
STA. 676+00.00 TO STA. 677+00.00	LT		7874.69		8229.05		914.34		0.19	0.19	18.89
STA. 676+00.00 TO STA. 677+00.00	RT		1784.96		1865.28		207.25		0.04	0.04	4.28
STA. 677+00.00 TO STA. 678+00.00	LT		7396.67		7729.52		858.84		0.18	0.18	17.74
STA. 677+00.00 TO STA. 678+00.00	RT		2877.06		3006.53		334.06		0.07	0.07	6.30
STA. 678+00.00 TO STA. 679+00.00	LT		7791.51		8142.13		904.68		0.19	0.19	18.69
STA. 678+00.00 TO STA. 679+00.00	RT		2727.13		2849.85		316.65		0.07	0.07	6.54
STA. 679+00.00 TO STA. 680+00.00	LT		6657.26		6956.84		772.98		0.16	0.16	15.97
STA. 679+00.00 TO STA. 680+00.00	RT		6236.38		6517.02		724.11		0.15	0.15	14.96
STA. 680+00.00 TO STA. 680+50.00	LT		2125.38		2221.02		246.78		0.05	0.05	5.10
STA. 680+00.00 TO STA. 680+50.00	RT		1741.11		1819.46		202.16		0.04	0.04	4.18
<b>TOTALS</b>								<b>0.32</b>	<b>2.09</b>	<b>2.41</b>	<b>240.99</b>

DESIGNED BY: GJM	CHECKED BY: GJM	DRAWN BY: AMPH	CHECKED BY: GJM
RANDOLPH & ASSOCIATES, INC. 111 N. PIONEER PARKWAY, P.O. BOX 1111, CHICAGO, ILL. 60601-1111 CONSULTING ENGINEERS & LAND SURVEYORS			
FILE NUMBER: 136.111	DATE: AUG 2005	F.A.P. RTE: 646	SECTION: 102 BR-2
COUNTY: WHITESIDE	TOTAL SHEETS: 69	SHEET NO.: 10	CONTRACT NO. 64427

MULCH METHOD 2 SUMMARY	25100115
LOCATION	ACRES
Mulch on Temporary Seeding	2.41
Mulch on Permanent Seeding	2.06
<b>TOTAL</b>	<b>4.47</b>

CHANNEL EXCAVATION		20300100	
LOCATION STATION TO STATION	LENGTH	CHANNEL EX. VOLUME	CU YD
☐ STA. 673+84.63 TO ☐ STA. 674+07.35	22.72 FT		457.70
☐ STA. 675+48.00 TO ☐ STA. 675+70.63	22.63 FT		690.66
<b>TOTAL</b>			<b>1148.36</b>

POROUS GRANULAR EMBANKMENT				20700220		
LOCATION STATION TO STATION	LENGTH	WIDTH	AREA	THICKNESS	VOLUME	
				FEET	CU YD	
ROADWAY						
☐ STA. 673+48.63 TO ☐ STA. 673+84.63	36	41	1476	1.2	65.60	
☐ STA. 675+70.63 TO ☐ STA. 676+06.63	36	41	1476	1.2	65.60	
<b>TOTAL</b>					<b>131.20</b>	

MULCH METHOD 2 AND EROSION CONTROL BLANKET										
LOCATION STATION TO STATION	LT/RT	PLAN AREA SLOPE 3:1 OR FLATTER SQ FT	PLAN AREA SLOPE STEEPER THAN 3:1 SQ FT	PLAN AREA x SLOPE FACTOR 3:1 OR FLATTER (1.045) SQ FT	PLAN AREA x SLOPE FACTOR, STEEPER THAN 3:1 (1.07) SQ FT	PLAN AREA SLOPE 3:1 OR FLATTER SQ YD	PLAN AREA SLOPE STEEPER THAN 3:1 SQ YD	MULCH. METHOD 2 (3:1 OR FLATTER) (ON PERMANENT SEEDING) ACRE	EROSION CONTROL BLANKET (STEEPER THAN 3:1) SQ YD	EROSION CONTROL BLANKET (DITCHES - 4' WIDE) SQ YD
STA. 669+00.00 TO STA. 670+00.00	LT	3621.67		3784.65		420.52		0.09		44.44
STA. 669+00.00 TO STA. 670+00.00	RT	5047.84		5274.99		586.11		0.12		44.44
STA. 670+00.00 TO STA. 671+00.00	LT	3910.45		4086.42		454.05		0.09		44.44
STA. 670+00.00 TO STA. 671+00.00	RT	5721.56		5979.03		664.34		0.14		44.44
STA. 671+00.00 TO STA. 672+00.00	LT	4005.77		4186.03		465.11		0.10		44.44
STA. 671+00.00 TO STA. 672+00.00	RT	6751.06		7054.86		783.87		0.16		44.44
STA. 672+00.00 TO STA. 672+50.00	LT	2048.40		2140.58		237.84		0.05		22.22
STA. 672+50.00 TO STA. 673+50.00	LT		3333.21		3566.53		396.28		396.28	
STA. 672+00.00 TO STA. 673+00.00	RT	7582.01		7923.20		880.36		0.18		44.44
STA. 673+00.00 TO STA. 674+15.00	RT		6050.12		6473.63		719.29		719.29	
STA. 675+30.00 TO STA. 676+00.00	LT		4979.56		5328.13		592.01		592.01	
STA. 676+00.00 TO STA. 677+00.00	LT	7874.69		8229.05		914.34		0.19		44.44
STA. 676+00.00 TO STA. 677+00.00	RT	1784.96		1865.28		207.25		0.04		
STA. 677+00.00 TO STA. 678+00.00	LT	7396.67		7729.52		858.84		0.18		44.44
STA. 677+00.00 TO STA. 678+00.00	RT	2877.06		3006.53		334.06		0.07		
STA. 678+00.00 TO STA. 679+00.00	LT	7791.51		8142.13		904.68		0.19		44.44
STA. 678+00.00 TO STA. 679+00.00	RT	2727.13		2849.85		316.65		0.07		
STA. 679+00.00 TO STA. 680+00.00	LT	6657.26		6956.84		772.98		0.16		26.67
STA. 679+00.00 TO STA. 680+00.00	RT	6236.38		6517.02		724.11		0.15		
STA. 680+00.00 TO STA. 680+50.00	LT	2125.38		2221.02		246.78		0.05		
STA. 680+00.00 TO STA. 680+50.00	RT	1741.11		1819.46		202.16		0.04		
<b>SUBTOTALS</b>								<b>2.06</b>	<b>1707.59</b>	<b>493.33</b>
<b>TOTALS</b>								<b>2.06</b>	<b>2200.92</b>	

SUMMARY OF EARTHWORK				
LOCATION STATION TO STATION	LENGTH	20200100	FOR INFORMATION ONLY	
		EARTH EXCAVATION	EARTH EX. ADJUSTED FOR SHRINKAGE	EMBANKMENT VOLUME
		CU YD	CU YD	CU YD
STA. 668+50.00 TO STA. 669+00.00	50.00 FT	44.70	33.53	70.10
STA. 669+00.00 TO STA. 670+00.00	100.00 FT	200.10	150.08	295.80
STA. 670+00.00 TO STA. 671+00.00	100.00 FT	265.90	199.43	430.30
STA. 671+00.00 TO STA. 672+00.00	100.00 FT	480.00	360.00	758.80
STA. 672+00.00 TO STA. 673+00.00	100.00 FT	686.50	514.88	775.30
STA. 673+00.00 TO STA. 674+00.00	100.00 FT	358.00	268.50	268.90
STA. 674+00.00 TO STA. 675+00.00	100.00 FT	0.00	0.00	10.40
STA. 675+00.00 TO STA. 676+00.00	100.00 FT	176.00	132.00	321.00
STA. 676+00.00 TO STA. 677+00.00	100.00 FT	106.20	79.65	1349.70
STA. 677+00.00 TO STA. 678+00.00	100.00 FT	8.90	6.68	1658.70
STA. 678+00.00 TO STA. 679+00.00	100.00 FT	9.00	6.75	1311.50
STA. 679+00.00 TO STA. 680+00.00	100.00 FT	488.00	366.00	1312.20
STA. 680+00.00 TO STA. 681+00.00	100.00 FT	10.30	7.73	520.40
<b>TOTAL</b>		<b>2833.60</b>	<b>2125.20</b>	<b>9083.10</b>

NOTE: A SHRINKAGE FACTOR OF 25% WAS USED TO CALCULATE QUANTITIES OF WASTE MATERIAL.

TREE REMOVAL (6-15 UNITS DIAMETER)				20100110
LOCATION STATION	OFFSET	LT/RT	UNIT	
STA. 680+19.71	36.31	LT	8	
STA. 680+24.72	35.14	LT	12	
<b>TOTAL</b>			<b>20</b>	

INLET & PIPE PROTECTION			28000500
LOCATION STATION	LT/RT	EACH	
STA. 672+97.80	LT	1	
STA. 673+70.10	RT	1	
STA. 679+63.40	LT	1	
<b>TOTAL</b>		<b>3</b>	

FILTER FABRIC		28200200
LOCATION STATION	LT/RT	AREA SQ YD
ROADWAY		
STA. 672+90.60 TO STA. 673+37.93	LT	24.65
STA. 673+65.00	RT	6.18
STA. 675+83.00	LT	4.12
STA. 676+19.00	RT	4.44
BRIDGE		784
<b>TOTAL</b>		<b>823.39</b>

TEMPORARY DITCH CHECK		28000300
LOCATION STATION	LT/RT	EACH
STA. 669+00.00	LT	1
STA. 670+00.00	LT	1
STA. 671+50.00	LT	1
STA. 672+50.00	LT	1
STA. 670+00.00	RT	1
STA. 671+00.00	RT	1
STA. 672+00.00	RT	1
STA. 673+00.00	RT	1
STA. 676+00.00	LT	1
STA. 677+00.00	LT	1
STA. 678+50.00	LT	1
<b>TOTAL</b>		<b>11</b>

PERIMETER EROSION BARRIER		28000400
LOCATION STATION TO STATION	LT/RT	LENGTH FEET
STATION 675+00.00 TO STATION 681+00.00	LT	740
STATION 676+50.00 TO STATION 680+50.00	RT	500
<b>TOTAL</b>		<b>1240</b>

TREE REMOVAL (OVER 15 UNITS DIAMETER)				20100210
LOCATION STATION	OFFSET	LT/RT	UNIT	
STA. 669+50.47	57.92	RT	2-20"	
STA. 670+17.84	57.5	RT	24	
STA. 679+46.00	36.3	LT	23	
STA. 680+29.77	35.48	RT	30	
STA. 680+34.67	34.13	LT	24	
<b>TOTAL</b>			<b>141</b>	

STONE DUMPED RIPRAP, CLASS A4		28100807
LOCATION STATION	LT/RT	WEIGHT TON
STA. 672+90.60 TO STA. 673+37.93	LT	16.43
STA. 673+65.00	RT	4.12
STA. 675+83.00	LT	2.75
STA. 676+19.00	RT	2.96
<b>TOTAL</b>		<b>26.26</b>

SCHEDULE OF QUANTITIES  
 IL 40 OVER GREEN RIVER  
 F.A.P. RTE 646 (IL RTE 40) SECTION 102 BR-2  
 WHITESIDE COUNTY

10/2005  
 10/2005  
 10/2005