

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	**	*	196	80

STA. 420+00.00 TO STA. 454+00.00

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

* BROWN & SCHUYLER CONTRACT NO. 72432

** 9RS-4, (10,11) RS-3; (10B-1) R

SHEET 8 OF 123

SEEDING AND MULCH SCHEDULE

LOCATION STATION TO STATION	LT/RT	PLAN AREA (1:3 SLOPES & FLATTER)	PLAN AREA (SLOPES STEEPER THAN 1:3)	PLAN AREA x SLOPE FACTOR (1:3 SLOPES & FLATTER)	PLAN AREA x SLOPE FACTOR (SLOPES STEEPER THAN 1:3)	PLAN AREA (1:3 SLOPES & FLATTER)	PLAN AREA (SLOPES STEEPER THAN 1:3)	25000200	25000300	25000400	25000500	25000600	25000700	28000250	25100115
		SQ FT	SQ FT	SQ FT	SQ FT	SQ YD	SQ YD	ACRE	ACRE	NITROGEN (90 LB/ACRE)	PHOSPHORUS (90 LB/ACRE)	POTASSIUM (90 LB/ACRE)	AGRICULTURAL GROUND LESTONE (2 TON/ACRE)	TEMPORARY EROSION CONTROL SEEDING (100 LB/ACRE)	MULCH, METHOD 2
STA. 418+50 TO STA. 421+49	LT	17566.90		18515.51		2057.28		0.4251		38.26	38.26	38.26	0.8501	42.51	0.43
STA. 421+49 TO STA. 423+87	LT	0.00	9444.29				1173.19		0.2424	21.82	21.82	21.82	0.4848	24.24	
STA. 421+49 TO STA. 423+87	LT	3715.26		3915.88		435.10		0.0899		8.09	8.09	8.09	0.1798	8.99	0.09
STA. 419+00 TO STA. 427+49	RT	43223.90		45557.99		5062.00		1.0459		94.13	94.13	94.13	2.0917	104.59	1.05
STA. 427+46 TO STA. 430+48	LT	14789.00		15587.61		1731.96		0.3578		32.21	32.21	32.21	0.7157	35.78	0.36
STA. 427+59 TO STA. 428+65	RT	4600.59		4849.02		538.78		0.1113		10.02	10.02	10.02	0.2226	11.13	0.11
STA. 428+89 TO STA. 434+15	RT	23545.30		24816.75		2757.42		0.5697		51.27	51.27	51.27	1.1394	56.97	0.57
STA. 430+48 TO STA. 433+00	LT	17447.14		18389.29		2043.25		0.4222		37.99	37.99	37.99	0.8443	42.22	0.42
STA. 433+00 TO STA. 434+66	LT	0.00	11809.60			13203.13			0.3031	27.28	27.28	27.28	0.6062	30.31	
STA. 438+75 TO STA. 448+50	RT	46376.80		48881.15		5431.24		1.1222		100.99	100.99	100.99	2.2443	112.22	1.12
STA. 444+50 TO STA. 447+50	LT	0.00	20333.64			22733.01			0.5219	46.97	46.97	46.97	1.0438	52.19	
STA. 447+50 TO STA. 450+00	RT	7685.96	709.86	8101.00	793.62	900.11	88.18	0.1860	0.0182	18.38	18.38	18.38	0.3719	20.42	0.19
STA. 448+50 TO STA. 450+25	LT	5133.06		5410.25		601.14		0.1242		11.18	11.18	11.18	0.2484	12.42	0.12
STA. 450+00 TO STA. 450+30	LT	7777.05		8197.01		910.78		0.1882		16.94	16.94	16.94	0.3764	18.82	0.19
STA. 450+50 TO STA. 451+60	RT	2751.80		2751.78		305.75		0.0632		5.69	5.69	5.69	0.1263	6.32	0.06
STA. 451+84 TO STA. 454+00	RT	5993.28		6316.92		701.88		0.1450		13.05	13.05	13.05	0.2900	14.50	0.15
STA. 463+63 TO STA. 454+00	LT	1115.01		1175.22		130.58		0.0270		2.43	2.43	2.43	0.0540	2.70	0.03
TOTALS								5.00	1.10	537	537	537	11.9	586	5.00

EROSION CONTROL BLANKET

STATION TO STATION	LT/RT	SQ YD
STA. 421+49 TO STA. 423+87	LT	1106.03
STA. 433+00 TO STA. 434+66	LT	1467.01
STA. 439+50 TO STA. 450+19	RT	433.33
STA. 444+50 TO STA. 447+50	LT	2525.89
STA. 447+50 TO STA. 449+00	LT	88.18
STA. 450+50 TO STA. 451+60	RT	44.55
STA. 451+84 TO STA. 454+00	RT	97.29
STA. 450+63 TO STA. 453+19	LT	149.46
TOTALS		5912

AGGREGATE DITCH CHECKS

LOCATION	OFFSET FT	LT/RT	28000315 QUANTITY TON
STA. 419+39.14	65.6	RT	6
STA. 419+78.11	74.9	RT	6
STA. 420+17.09	84.0	RT	6
STA. 420+55.70	95.2	RT	6
STA. 421+90.14	35.2	LT	6
STA. 422+30.18	36.0	LT	6
STA. 422+30.85	85.1	LT	6
STA. 422+70.41	35.6	LT	6
STA. 422+71.27	83.9	LT	6
STA. 423+10.50	36.4	LT	6
STA. 423+11.57	83.9	LT	6
STA. 423+38.41	42.4	RT	6
STA. 423+50.80	36.0	LT	6
STA. 423+78.59	42.0	RT	6
STA. 424+18.53	42.4	RT	6
STA. 424+58.61	42.9	RT	6
STA. 424+71.21	35.1	LT	6
STA. 425+11.47	35.5	LT	6
STA. 425+51.98	35.0	LT	6
STA. 425+91.74	35.5	LT	6
STA. 426+19.74	36.8	LT	6
STA. 426+47.87	39.4	LT	6
STA. 426+76.31	42.3	LT	6
STA. 427+04.12	45.4	LT	6
STA. 427+88.65	53.3	LT	6
STA. 428+17.02	56.5	LT	6
STA. 428+44.96	59.2	LT	6
STA. 428+72.74	62.7	LT	6
STA. 429+00.93	66.2	LT	6
STA. 429+28.73	69.5	LT	6
STA. 429+56.71	73.3	LT	6
STA. 429+84.45	77.0	LT	6
STA. 430+12.17	80.0	LT	6
STA. 430+52.22	82.6	LT	6
STA. 431+01.60	86.4	LT	6
STA. 431+51.68	90.6	LT	6
STA. 432+00.99	95.5	LT	6
STA. 432+50.78	98.6	LT	6
STA. 433+00.15	100.4	LT	6
STA. 433+49.47	91.5	LT	6
STA. 433+99.56	80.8	LT	6
STA. 441+49.28	35.9	LT	6
STA. 441+50.46	35.5	RT	6
STA. 443+48.79	34.9	LT	6
STA. 443+51.01	34.9	RT	6
STA. 445+47.90	38.2	LT	6
STA. 445+51.97	35.7	RT	6
STA. 445+79.63	77.5	LT	6
STA. 446+08.03	74.4	LT	6
STA. 446+35.75	71.3	LT	6
STA. 446+63.43	61.2	LT	6
STA. 447+47.77	39.7	LT	6
STA. 447+51.99	37.9	RT	6
STA. 449+51.15	38.1	RT	6
STA. 451+01.26	37.8	RT	6
STA. 451+49.32	36.0	LT	6
STA. 453+49.59	35.5	RT	6
TOTAL			342

SUMMARY OF EARTHWORK

DESCRIPTION	LOCATION	STATION TO STATION	LENGTH	FOR INFORMATION ONLY					
				20200100	20400800	20200200	20200500		
				EARTH EX. VOLUME	EARTH EX. ADJUSTED FOR SHRINKAGE	EMBANKMENT VOLUME	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (FURNISHED EX.)	ROCK EX. VOLUME	EARTH EX. (WIDENING) VOLUME
US 24				CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
BEGINNING TO CENTER OF BRIDGE	STA. 418+50.00	TO STA. 436+68.66	1818.66 FT	7850	6280	23782	-17502		
CENTER OF BRIDGE TO END	STA. 436+68.66	TO STA. 454+00.00	1731.34 FT	22012	17610	1060	16550		
CENTER OF BRIDGE TO STA. 444+50	STA. 439+50.00	TO STA. 444+50.00	500.00 FT					27671	
BEGINNING TO STA. 424+00	STA. 420+00.00	TO STA. 424+00.00	400.00 FT						90
STA. 450+00 TO END	STA. 450+00.00	TO STA. 454+00.00	400.00 FT						93
TOTAL				29862	23890	24842	-952	27671	183

NOTE: A SHRINKAGE FACTOR OF 20% WAS USED TO CALCULATE QUANTITIES OF WASTE MATERIAL.

RIPRAP FOR DITCHES AND CULVERTS

LOCATION	STATION TO STATION	RT/LT	LENGTH	WIDTH	ADJUSTED WIDTH (FOR SLOPES 1:3)	ADJUSTED WIDTH (FOR SLOPES 1.4:1)	ADJUSTED WIDTH (FOR SLOPES 1:2)	AREA	28100707	28200200
									STONE DUMPED RIPRAP, CLASS A4	FILTER FABRIC FOR USE WITH RIPRAP
STA. 419+00.00	TO		421+02.53	RT	177.66	8.00	9.21	182	182	182
STA. 420+99.80	TO		421+20.75	RT	50.00	25.00		125	125	125
STA. 421+62.00	TO		423+68.90	LT	205.48	9.00	10.07	230	230	230
STA. 422+00.00	TO		423+50.00	LT	150.00	8.00		175	175	175
STA. 423+52.00	TO		423+62.00	LT	10.00	47.00		52	52	52
STA. 424+51.00	TO		427+18.00	LT	266.20	9.00	10.07	298	298	298
STA. 427+66.50	TO		434+26.25	LT	668.85	8.00	9.21	684	684	684
STA. 439+50.00	TO		444+10.00	LT	465.00	8.00	10.49	542	542	542
STA. 442+25.00	TO		447+00.00	LT	487.74	8.00		568	568	568
STA. 444+10.00	TO		444+67.00	LT	57.20	10.00	13.10	749	749	749
STA. 447+53.00	TO		449+50.00	LT	196.27	9.00	11.80	257	257	257
STA. 449+50.00	TO		449+84.01	LT	34.20	21.55		82	82	82
STA. 449+84.01	TO		450+00.16	LT	15.99	16.25		29	29	29
TOTAL								3973	3973	3973

TOPSOIL EXCAVATION AND PLACEMENT

LOCATION	STATION TO STATION	LENGTH	FOR INFORMATION ONLY				
			TOPSOIL EX. VOLUME	TOPSOIL EX. ADJUSTED FOR SHRINKAGE	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) (FURNISHED EX.)	TOPSOIL PLACEMENT VOLUME	
STA. 424+50.00	TO		900.00 FT	1790	1342	1342	
STA. 418+50.00	TO		1818.66 FT		-1884	1884	
STA. 436+68.66	TO		1781.34 FT		-1177	1177	
TOTAL				1790	1342	-1719	3061

TREE REMOVAL (6 TO 15 UNITS DIAMETER)

LOCATION	OFFSET FT	LT/RT	20100110 QUANTITY UNIT
STA. 427+12.48	37.90	LT	6
STA. 432+69.53	9.00	LT	12
STA. 448+08.73	29.30	LT	15
STA. 449+41.88	48.60	LT	14
TOTAL			47

TREE REMOVAL, ACRES

LOCATION	STATION TO STATION	LT/RT	20100500 AREA ACRES
STA. 419+00.00	STA. 423+32.00	LT	0.443
STA. 423+14.00	STA. 424+21.00	RT	0.022
STA. 426+66.64	STA. 430+00.63	LT	0.132
STA. 430+02.92	STA. 435+13.32	LT	0.255
STA. 439+27.61	STA. 443+27.01	LT	0.800
STA. 443+84.74	STA. 446+96.61	RT	0.050
STA. 444+65.44	STA. 447+67.20	LT	0.356
TOTAL			2.1

INLET AND PIPE PROTECTION

LOCATION	OFFSET	EACH	28000500
	FT		QUANTITY
STA. 421+01	53.5' LT	1	1
STA. 423+68	36.7' LT	1	1
STA. 427+17	46.6' LT	1	1
STA. 450+03	38.3' RT	1	1
STA. 451+40	38.3' RT	1	1
STA. 453+18	36.9' LT	1	1
TOTAL			6

TREE REMOVAL (OVER 15 UNITS DIAMETER)

LOCATION	OFFSET	LT/RT	20100210
	FT		QUANTITY
STA. 423+64.25	52.40	LT	18
STA. 427+03.73	42.00	LT	66
STA. 443+17.01	108.10	LT	36
STA. 447+99.10	49.30	LT	20
STA. 449+02.88	56.00	LT	24
STA. 449+05.00	42.20	LT	30
TOTAL			194