

EARTHWORK SCHEDULE							
	20200100 EARTH EXCAVATION (CU YD)	20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	FURNISHED EXCAVATION EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	TOPSOIL 6" BALANCE WASTE (+) OR SHORTAGE (-) (SQ YD)	20700220 POROUS GRANULAR EMBANKMENT (CU YD)
ROUTE 14							
PRE-STAGE 1							
STA. 493+00 TO STA. 505+00	2,771	652	2,355	395	1,960	-1,131	0
STA. 505+00 TO STA. 520+00	1,637	718	1,391	710	681	-225	0
STA. 520+00 TO STA. 535+00	365	148	310	85	225	-275	0
STA. 535+00 TO STA. 550+00	910	657	774	2,124	-1,350	-175	0
STA. 550+00 TO STA. 565+00	369	27	314	71	243	81	0
STA. 565+00 TO STA. 578+00	1,049	590	892	955	-63	987	0
STA. 578+00 TO STA. 593+00	993	233	844	44	800	174	0
STA. 593+00 TO STA. 608+00	794	228	675	115	560	680	0
STA. 608+00 TO STA. 619+25.58	0	0	0	0	0	0	0
SUBTOTAL	8,888	3,253	7,555	4,499	3,056	116	0
STAGE 1							
STA. 493+00 TO STA. 505+00	3,041	878	2,585	988	1,597	-1,661	553
STA. 505+00 TO STA. 520+00	4,527	720	3,848	1,370	2,478	-2,932	363
STA. 520+00 TO STA. 535+00	6,062	401	5,153	1,856	3,297	-577	327
STA. 535+00 TO STA. 550+00	2,362	1,032	2,008	1,815	193	-1,959	705
STA. 550+00 TO STA. 565+00	4,973	906	4,227	1,084	3,143	-1,881	893
STA. 565+00 TO STA. 578+00	3,174	1,018	2,698	1,674	1,024	-2,720	724
STA. 578+00 TO STA. 593+00	3,210	581	2,729	774	1,955	-1,338	465
STA. 593+00 TO STA. 608+00	2,797	365	2,377	823	1,554	-98	252
STA. 608+00 TO STA. 619+25.58	2,235	0	1,900	41	1,859	-317	0
SUBTOTAL	32,381	5,901	27,525	10,425	17,100	-13,483	4,282
STAGE 2							
STA. 493+00 TO STA. 505+00	1,534	678	1,304	892	412	-1,476	553
STA. 505+00 TO STA. 520+00	2,339	452	1,988	1,167	821	-2,244	363
STA. 520+00 TO STA. 535+00	1,094	471	930	1,435	-505	-2,586	327
STA. 535+00 TO STA. 550+00	1,781	891	1,514	2,560	-1,046	-2,236	705
STA. 550+00 TO STA. 565+00	1,089	1,618	926	4,864	-3,938	-1,670	893
STA. 565+00 TO STA. 578+00	2,946	990	2,504	952	1,552	-1,899	724
STA. 578+00 TO STA. 593+00	1,844	742	1,567	853	714	-1,115	465
STA. 593+00 TO STA. 608+00	846	410	719	628	91	-742	252
STA. 608+00 TO STA. 619+25.58	0	0	0	0	0	0	0
SUBTOTAL	13,473	6,252	11,452	13,351	-1,899	-13,968	4,282
STAGE 3							
STA. 493+00 TO STA. 505+00	839	474	713	421	292	0	475
STA. 505+00 TO STA. 520+00	669	311	569	250	319	0	311
STA. 520+00 TO STA. 535+00	978	281	831	678	153	0	281
STA. 535+00 TO STA. 550+00	315	605	268	616	-348	0	605
STA. 550+00 TO STA. 565+00	261	765	222	921	-699	0	765
STA. 565+00 TO STA. 578+00	833	621	708	649	59	0	621
STA. 578+00 TO STA. 593+00	704	399	598	534	64	0	399
STA. 593+00 TO STA. 608+00	268	216	228	216	12	0	216
STA. 608+00 TO STA. 619+25.58	0	0	0	0	0	0	0
SUBTOTAL	4,867	3,672	4,137	4,284	-147	0	3,673
LUCAS RD/COLLEGE ENTRANCE #3							
PRE-STAGE 1							
STA. 3+27.57 TO STA. 9+50.00	73	105	62	154	-92	0	0
STA. 10+50.00 TO STA. 15+76.00	2,355	439	2,002	160	1,842	0	0
SUBTOTAL	2,428	544	2,064	314	1,750	0	0
STAGE 1							
STA. 3+27.57 TO STA. 9+50.00	884	960	751	705	46	-956	0
STA. 10+50.00 TO STA. 15+76.00	0	56	0	581	-581	0	0
SUBTOTAL	884	1,016	751	1,286	-535	-956	0
STAGE 2							
STA. 3+27.57 TO STA. 9+50.00	566	854	481	79	402	-1,301	0
STA. 10+50.00 TO STA. 15+76.00	0	56	0	39	-39	0	0
SUBTOTAL	566	910	481	118	363	-1,301	0
BASIN							
STA. 535+00 TO STA. 537+00	8,215	0	6,983	0	6,983	0	0
STA. 538+00	1,020	0	867	0	867	0	0
SUBTOTAL	9,235	0	7,850	0	7,850	0	0
DRAINAGE EASEMENT							
STA. 572+00 TO STA. 572+50	415	0	353	0	353	0	0
SUBTOTAL	415	0	353	0	353	0	0

EARTHWORK SCHEDULE (CONTINUED)							
	20200100 EARTH EXCAVATION (CU YD)	20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	FURNISHED EXCAVATION EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	TOPSOIL 6" BALANCE WASTE (+) OR SHORTAGE (-) (SQ YD)	20700220 POROUS GRANULAR EMBANKMENT (CU YD)
RIDGEFIELD ROAD SOUTH							
STAGE 1							
STA. 901+00 TO STA. 907+07.30	578	520	491	850	-359	571	262
SUBTOTAL	578	520	491	850	-359	571	262
STAGE 2							
STA. 901+00 TO STA. 907+07.30	1,719	486	1,461	215	1,246	-2,286	263
SUBTOTAL	1,719	486	1,461	215	1,246	-2,286	263
LENNY DRIVE							
PRE-STAGE 1							
STA. 0+00 TO STA. 4+08	90	7	77	2	75	0	0
SUBTOTAL	90	7	77	2	75	0	0
STAGE 1							
STA. 0+00 TO STA. 4+08	560	149	476	1,579	-1,103	-92	148
SUBTOTAL	560	149	476	1,579	-1,103	-92	148
STAGE 2							
STA. 0+00 TO STA. 4+08	356	166	303	126	177	-310	149
SUBTOTAL	356	166	303	126	177	-310	149
ILLINOIS ROUTE 176							
PRE-STAGE 1							
STA. 591+00 TO STA. 598+00	402	286	342	1,188	-846	853	0
STA. 602+00 TO STA. 608+00	399	201	339	485	-146	600	0
SUBTOTAL	801	487	681	1,673	-992	1,453	0
STAGE 1							
STA. 591+00 TO STA. 598+00	859	996	730	967	-237	-1,025	830
STA. 602+00 TO STA. 608+00	884	134	751	581	170	-321	56
SUBTOTAL	1,743	1,130	1,481	1,548	-67	-1,346	886
STAGE 2							
STA. 591+00 TO STA. 598+00	903	830	768	151	617	-1,806	830
STA. 602+00 TO STA. 608+00	640	56	544	182	362	-603	55
SUBTOTAL	1,543	886	1,312	333	979	-2,409	885
TOTAL	80,527	25,379	68,450	40,603	27,847	-34,011	14,830

NOTES:

- 'REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL' INCLUDES EXCAVATION OF MATERIALS TO THE DEPTH AND WIDTH AS NOTED IN THE SUBGRADE TREATMENT RECOMMENDATIONS AS SHOWN ON THE SCHEDULE OF QUANTITIES.
- POROUS GRANULAR EMBANKMENT SUBGRADE (PGES) HAS BEEN PROVIDED FOR USE AT LOCATIONS OF SUBGRADE TREATMENT RECOMMENDATIONS AS SHOWN ON THE SCHEDULE OF QUANTITIES AND WILL BE PAID FOR AS 'POROUS GRANULAR EMBANKMENT'. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES SHALL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. ALL POTENTIALLY UNSTABLE SOIL SHALL BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND THE GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL (SSM). AFTER EXCAVATION TO ROUGH SUBGRADE ELEVATION, THE ENGINEER WILL OBSERVE THE BEHAVIOR OF THE ENTIRE EXPOSED SUBGRADE UNDER THE TRAFFIC OF HEAVY, RUBBER-TIRED CONSTRUCTION EQUIPMENT SUCH AS MOTOR GRADERS OR FULLY LOADED DUMP TRUCKS. WHEREVER THERE IS EXCESSIVE DEFLECTION OR RUTTING OR AS DETERMINED BY THE ENGINEER, THE SOIL SHALL BE TREATED IN ACCORDANCE WITH THE GUIDELINES IN THE SSM. ANY PGES OR 'REMOVAL OF UNSUITABLE MATERIAL' NOT NEEDED AT THE TIME OF CONSTRUCTION SHALL BE DEDUCTED FROM THE CONTRACT WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR.
- EXISTING TOPSOIL DEPTH IS ESTIMATED TO BE 6". 4" OF EXISTING TOPSOIL DEPTH IS ESTIMATED TO BE UNSUITABLE MATERIAL AND INCLUDED IN THE QUANTITY 'REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL'.
- PROPOSED TOPSOIL 6" SHALL CONSIST OF THE AMOUNT OF SUITABLE TOPSOIL AVAILABLE PAID FOR AS 'TOPSOIL EXCAVATION AND PLACEMENT' AND ALL ADDITIONAL TOPSOIL NEEDED PAID FOR AS 'TOPSOIL FURNISH AND PLACE, 6"'.
- SHRINKAGE FACTOR OF 15% WAS USED FOR THE CALCULATIONS.