

PTA SCHEDULE A GRADING SUMMARY													REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
													9	HI	HI-A-AD-6(2) Saddle Road	C3	C10
Station to Station			ROADWAY EXCAVATION			ADJUSTMENTS TO EXCAVATION			Total Excavation Available for Fills (CCY) <sup>1</sup>	ROADWAY EMBANKMENT (No Pay)				Total Embankment (CCY)	Mass Ordinate <sup>5</sup>		
			(BCY)							(CCY)							
			(+) Roadway Prism (BCY) <sup>1</sup>	(+) Approach Roads (BCY)	20401 Roadway Excavation (BCY)	(+) 20402 Subexcavation <sup>34</sup> (BCY)	(-) Topsoil Stripping in Cuts <sup>2</sup> (BCY)	Shrink/Swell Factor		(+) Roadway Prism (CCY)	(+) Approach Roads (CCY)	(+) Subexcavation Replacement (CCY)	(+) Backfill Topsoil Stripping Under Fills (CCY)				
98+00	to	111+00	116521		116521	7590	2461	1.08	130774	0	2	7590	0	7592	123182		
111+00	to	126+00	1397		1397	91	207	1.00	1282	49140		91	1880	51112	73352		
126+00	to	135+00	11492	562	12053	785	908	1.08	12826	204	1	785	58	1048	85130		
135+00	to	165+00	1032		1032	67	192	1.00	908	36422		67	3008	39498	46540		
165+00	to	173+00	10130		10130	660	768	1.08	10774	2		660	0	663	56651		
173+00	to	191+50	73	6	79	5	34	1.00	50	21406	52	5	1714	23177	33524		
191+50	to	199+00	8598		8598	560	811	1.08	8973	81		560	29	671	41826		
199+00	to	206+00	279		279	18	42	1.00	255	16833		18	1098	17950	24131		
206+00	to	209+50	2755		2755	179	183	0.80	2202	491		179	91	763	25570		
209+50	to	213+50	8		8	0	24	1.00	-17	5284		0	358	5642	19911		
213+50	to	217+00	398		398	26	121	1.08	328	1444		26	151	1622	18617		
217+00	to	227+00	43		43	3	41	1.00	6	9406		3	901	10310	8313		
227+00	to	231+00	131	96	227	15	90	1.08	165	2032	0	15	193	2240	6238		
TOTAL			152857	664	153520	10000	5880		168526	142747	54	10000	9480	162288	6238		

Notes:

1. BCY = Bank Cubic Yard = One cubic yard of material as it lies in the natural bank state.  
CCY = Compacted Cubic Yard = One cubic yard of material after it has been compacted to the specification density.

2. Depth assumed for topsoil stripping = 6 inches (use to cover slopes and revegetate).  
3. Subexcavation quantity is arbitrary in amount and location and is subject to change.  
4. Subexcavation material to be used as topsoil and/or embankment after processing. See SCRs.  
5. Excess material shown at end of mass ordinate column to be paid for under item 20412 - Waste.  
Excess material to be stockpiled. For stockpile locations, see SCRs.

DO NOT ASSUME THAT THE SHRINK/SWELL FACTORS INDICATED ON THE PLAN SHEETS INDIRECTLY INDICATE THE AMOUNT OF ROCK OR DEPTH TO ROCK TO BE EXPECTED IN THE SPECIFIC CUT OR EXCAVATION. MORE OR LESS ROCK MAY BE ENCOUNTERED IN THE EXCAVATIONS THAN INFERRED FROM THE SHRINK/SWELL FACTORS SHOWN ON THE PLAN SHEETS. FOR SUBSURFACE INFORMATION, REFER TO THE PROJECT GEOTECHNICAL REPORT.

SPECIAL METHODS AND EQUIPMENT WILL BE NECESSARY TO EXCAVATE AND EMBANK MATERIALS CONSISTING OF ROCK. REMOVE SUCH MATERIAL TO THE LINES AND GRADES INDICATED REGARDLESS OF HARDNESS OR QUANTITY. REMOVAL OF SUCH MATERIAL TO THE LINES AND GRADES INDICATED SHALL NOT GIVE CAUSE FOR A CLAIM FOR ADDITIONAL COMPENSATION REGARDLESS OF HARDNESS OR DIFFICULTY IN REMOVING. CONSIDER THE EXCAVATED ROCK MATERIALS USABLE WHEN THE EXCAVATED ROCK MATERIALS ARE PROCESSED TO THE MAXIMUM PARTICLE SIZE AND GRADATION INDICATED IN THE SPECIFICATIONS.

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PTA SCHEDULE B GRADING SUMMARY													REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
													9	HI	HI-A-AD-6(2) Saddle Road	C4	C10
Station to Station			ROADWAY EXCAVATION			ADJUSTMENTS TO EXCAVATION			Total Excavation Available for Fills (CCY) <sup>1</sup>	ROADWAY EMBANKMENT (No Pay)				Total Embankment (CCY)	Mass Ordinate <sup>5</sup>		
			(BCY)							(CCY)							
			(+) Roadway Prism (BCY) <sup>1</sup>	(+) Approach Roads (BCY)	20401 Roadway Excavation (BCY)	(+) 20402 Subexcavation <sup>34</sup> (BCY)	(-) Topsoil Stripping in Cuts <sup>2</sup> (BCY)	Shrink/ Swell Factor		(+) Roadway Prism (CCY)	(+) Approach Roads (CCY)	(+) Subexcavation Replacement (CCY)	(+) Backfill Topsoil Stripping Under Fills (CCY)				
87+00	to	92+00	441		441	23	43	1.00	422	14511		23	545	15079	-14657		
92+00	to	98+00	27262	2296	29557	1554	824	1.08	32711	32	2	1554	18	1606	16448		
98+00	to	111+00	111621		111621	5868	2461	1.08	123656	0		5868	0	5869	134235		
111+00	to	126+00	1397		1397	73	207	1.00	1265	49140		73	1880	51094	84406		
126+00	to	135+00	11492	562	12053	634	908	1.08	12663	204	1	634	58	897	96172		
135+00	to	165+00	1032		1032	54	192	1.00	895	36422		54	3008	39485	57582		
165+00	to	173+00	10130		10130	533	768	1.08	10637	2		533	0	535	67684		
173+00	to	191+50	73	6	79	4	34	1.00	49	21406	52	4	1714	23176	44557		
191+50	to	199+00	8598		8598	452	811	1.08	8857	81		452	29	563	52851		
199+00	to	206+00	279		279	15	42	1.00	252	16833		15	1098	17946	35157		
206+00	to	209+50	2755		2755	145	183	0.80	2175	491		145	91	728	36604		
209+50	to	213+50	8		8	0	24	1.00	-17	5284		0	358	5642	30945		
213+50	to	217+00	398		398	21	121	1.08	323	1444		21	151	1617	29651		
217+00	to	227+00	43		43	2	41	1.00	5	9406		2	901	10310	19346		
227+00	to	231+00	131	96	227	12	90	1.08	162	2032	0	12	193	2237	17271		
231+00	to	242+00	1138		1138	60	77	1.00	1121	18293		60	1255	19609	-1217		
242+00	to	249+00	10275		10275	540	724	1.08	10899	35		540	0	575	9107		
249+00	to	258+50	173		173	9	80	1.00	102	7170		9	702	7882	1327		
TOTAL			187245	2960	190205	10000	7629	18	206177	182788	54	10000	12000	204850	1327		

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