

Cut	Slake Durability Index Sample Depth			Unconfined Sample Dpth		Rock Type	Unit Top Elevation	Unit Bottom Elevation	Unit RQD	Slake Durability Index	ODOT Rock Index Property Classification	Unconfined Compressive Strength (psi)	Rock Cut Slope Recommendations (Table A GB3) H:V
	Boring	Run	Depth	Run	Depth (ft.)								
US 52	R-2014	2	31.5'-32.7'	2	PL Data	Sandstone	644.7	626.7	50%	37.6	Poor	7,774	1.0:1
US 52	R-2014	3	42.4'-43.4'	3	43.4'-43.7'	Sandstone interbedded w/ Shale	626.7	618.9	66%	64.9	Fair	10,425	0.5:1 or 1.0:1
US 52	R-2014	5	54.5'-55.5'	5	55.5'-55.9'	Sandstone	618.9	562.2	99%	96.1	Very Good	7,447	0.25:1 or 0.5:1
US 52	R-2014	6	64.9'-65.7'	6	64.3'-64.8'	Sandstone	618.9	562.2	99%	98.7	Very Good	13,985	0.25:1 or 0.5:1
1	R-2016	2	27.0'-28.1'	2	26.6'-27.0'	Sandstone	706	627.9	98%	98.3	Very Good	8,879	0.25:1 or 0.5:1
1	R-2016	3	38.2'-39.6'	3	39.6'-40.0'	Sandstone	706	627.9	98%	98.4	Very Good	9,626	0.25:1 or 0.5:1
1	R-2016	5	55.4'-55.6'	5	56.6'-57.0'	Sandstone	706	627.9	98%	96.6	Very Good	12,576	0.25:1 or 0.5:1
1	R-15	3	45.5'-46.5'	3	46.6'-47.0'	Sandstone	658.8	628.4	88%	98.1	Very Good	1,911	0.25:1 or 0.5:1
1	R-15	5	68.0'-68.7'	5	66.3'-66.7'	Siltstone interbedded/ SS	628.4	619.3	91%	89.8	Very Good	4,352	0.25:1 or 0.5:1
1	R-17	6	62.0'-63.0'	6	65.0'-65.4'	Sandstone	620.8	564.2	100%	98.4	Very Good	9,419	0.25:1 or 0.5:1
1	R-18	12	117.8'-118.8'	12	119.0'-119.4'	Sandstone	629.9	622.4	100%	92.4	Very Good	3,044	0.25:1 or 0.5:1
1	R-18	16	150.0'-151.0'	16	151.1'-151.5'	Sandstone	622.4	566.2	99%	97.5	Very Good	10,810	0.25:1 or 0.5:1
1	R-23	2	26.9'-27.9'	2	26.1'-26.5'	Sandstone	658.3	638.6	60%	98.2	Very Good	1,621	2.0:1
1	R-23	3	30.5'-31.5'	2	26.1'-26.5'	Sandstone	658.3	638.6	60%	4.1	Fair	1,621	2.0:1
SR 140	B-1406	2	12.0'-13.3'	2	13.3'-13.9'	Sandstone	708.5	692	80%	96.8	Very Good	7,841	0.25:1 or 0.5:1
SR 140	B-1406	4	30.5'-31.5'	4	32.1'-32.6'	Sandstone	692	602	99%	93.2	Very Good	10,114	0.25:1 or 0.5:1
SR 140	B-1406	7	64.5'-65.3'	7	65.6'-66.2'	Sandstone	692	602	99%	97.8	Very Good	9,236	0.25:1 or 0.5:1
SR 140	B-1408	2	32.2'-33.5'	2	31.8'-32.2'	Sandstone	632	587.3	80%	96.9	Very Good	11,233	0.25:1 or 0.5:1
SR 140	B-1408	4	47.2'-48.1'	4	46.8'-47.2'	Sandstone	632	587.3	80%	97.8	Very Good	13,025	0.25:1 or 0.5:1
SR 140	B-1409	2	26.0'-28.1'	2	28.5'-29.1'	Sandstone	627.6	617	93%	97.8	Very Good	8,887	0.25:1 or 0.5:1
SR 140	B-1409	4	47.2'-48.2'	4	46.7'-47.2'	Sandstone	617	586	90%	91.5	Very Good	10,867	0.25:1 or 0.5:1
2	R-2037	2	19.4'-20.6'	2	20.6'-21.3'	Sandstone	747.5	728.7	78%	88.4	Good	2,969	1.0:1
2	R-2037	2	41.0'-42.1'	4	42.1'-42.5'	Shale	726	719.7	78%	93.2	Very Good	5,662	0.25:1 or 0.5:1
2	R-2037	2	56.5'-57.5'	6	57.5'-57.9'	Sandstone	719.7	648.6	100%	99	Very Good	13,945	0.25:1 or 0.5:1
2	R-2037	2	78.1'-79.1'	8	77.5'-78.1'	Sandstone	719.7	648.6	100%	97.8	Very Good	10,019	0.25:1 or 0.5:1
2	R-43	2	28.6'-29.7'	2	29.7'-30.3'	Sandstone	781.3	765.5	65%	39.4	Fair	10,909	0.25:1 or 0.5:1
2	R-43	4	48.5'-49.5'	4	48.0'-48.5'	Sandstone	765.5	746.6	80%	96	Very Good	11,468	0.25:1 or 0.5:1
2	R-43	6	69.5'-70.5'	6	70.5'-70.8'	Shale interbedded w/SS	746.6	728.4	62%	74.2	Fair	12,415	0.5:1 or 1.0:1
2	R-43	8	84.3'-85.4'	8	83.8'-84.3'	Sandstone	728.4	688.2	90%	98.2	Very Good	11,340	0.25:1 or 0.5:1
2	R-47	3	26.0'-27.0'	1	24.5'-25.9'	Sandstone	826.6	795.9	34%	80.1	Good	2,629	1.0:1
2	R-47	5	45.5'-46.5'	5	46.5'-46.9'	Shale	795.9	785.2	58%	11.7	Fair	2,332	1.0:1 or 1.5:1
2	R-47	7	60.8'-61.8'	7	62.0'-62.4'	Sandstone	785.2	756.1	91%	84.5	Very Good	5,340	0.25:1 or 0.5:1
2	R-47	14	134.0'-135.0'	14	135.2'-135.6'	Sandstone	756.1	658.6	98%	98.7	Very Good	12,216	0.25:1 or 0.5:1
3	R-70			8	78.2'-78.6'	Sandstone	737	677	85%	89.0	Good	9,029	0.25:1 or 0.5:1
3	R-70	11	109.5'-110.8'	11	110.5'-111.0'	Sandstone	677	647	98%	89.0	Very Good	7,588	0.25:1 or 0.5:1
3	R-70	13		13	130.5'-131.1'	Sandstone	647	617.5	100%	89.0	Very Good	9,892	0.25:1 or 0.5:1
3	R-73	3	30.5'-31.5'	3	28.3'-28.7'	Shale	813.4	794.5	84%	4.1	Very Poor	1,402	2.0:1
3	R-73	6	58.2'-59.0'		PL Data	Shale	776.7	773.2	100%	25.0	Poor	5,901	1.0:1
3	R-73	9	84.5'-85.5'	9	91.5'-91.9'	Siltstone interbedded w/SS	773.2	745.4	100%	83.5	Very Good	9,309	0.25:1 or 0.5:1
3	R-73			13	125.0'-125.4'	Sandstone	745.4	660.2	100%	83.5	Very Good	8,085	0.25:1 or 0.5:1
3	R-74	5	49.0'-50.0'	5	46.7'-47.1'	Shale	815.8	809.6	78%	5.6	Good	1,911	1.0:1
3	R-78	2	28.2'-29.2'	2	27.0'-27.5'	Shale interbedded w/SS	855.2	836.8	95%	58.4	Very Good	533	2.0:1
3	R-78	4		4	45.2'-45.6'	Sandstone	836.8	827.6	95%	50	Very Good	7,568	0.25:1 or 0.5:1
3	R-78	6	63.2'-64.2'			Siltstone	814	807.1	58%	93.5	Very Good	8,085	0.25:1 or 0.5:1
3		7		7	77.0'-77.5'	Siltstone interbedded w/Claystone	803.1	786.6	90%	53	Very Good	6,413	0.25:1 or 0.5:1
3	R-78	8	80.0'-90.0'			Siltstone interbedded w/Claystone	803.1	786.6	90%	53.0	Very Good	6,000	0.25:1 or 0.5:1
3	R-78	12		12	75.0'-75.5'	Sandstone	746.6	662.1	100%	75.0	Very Good	7,932	0.25:1 or 0.5:1
3	R-78	16		16	169.0'-169.6'	Sandstone	746.6	662.1	100%	75.0	Very Good	10,461	0.25:1 or 0.5:1
3	R-80	6	59.5'-60.5'	6	53.8'-54.2'	Sandstone	754.4	684.4	99%	1.7	Very Good	7,492	1.0:1 or 1.5:1
3	R-80			10	98.2'-98.6'	Sandstone	754.4	684.4	99%	50.0	Very Good	10,939	0.25:1 or 0.5:1
3	R-81	2	20.0'-30.0'		PL Data	Shale interbedded w/SS	845.6	833.8	50%	76.5	Fair	7,098	1.0:1 or 2.0:1

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	Boring	Run	Depth	Run	Depth (ft.)								
3	R-81	5	50.3'-60.0'	5	59.0'-59.4'	Sandstone	812	788	93%	87.6	Very Good	14,914	0.25:1 or 0.5:1
3	R-81			9	93.0'-93.4'	Sandstone	788.3	752.6	100%	50	Very Good	10,067	0.25:1 or 0.5:1
3	R-84	4	30.0'-35.8'	4	31.1'-31.6'	Sandstone interbedded w/ shale	837.8	832.5	20%	3.3	Very Poor	2,801	2.0:1
3	R-84	4	35.8'-40.0'	4	39.1'-39.7'	Shale	832.5	828	20%	56.7	Poor	2,273	2.0:1
3	R-84	6	50.0'-58.3'	6	54.1'-54.5'	Siltstone interbedded w/shale	821.5	810	85%	41.5	Good	3,758	0.5:1 or 1.0:1
4	R-111	1	17.7'-18.7'	2	21.1'-20.5'	Sandstone	803.6	790.3	95%	57.8	Very Good	12,399	0.25:1 or 0.5:1
4	R-111	3	39.0'-39.7'	3	40.0'-40.4'	Sandstone	790.3	756.9	100%	98.2	Very Good	10,493	0.25:1 or 0.5:1
4	R-111	4		4	40.7'-41.1'	Sandstone	790.3	756.9	100%	50.0	Very Good	3,201	0.25:1 or 0.5:1
4	R-111	5	53.6'-54.6'	5	53.0'-53.4	Sandstone	790.3	756.9	100%	97.5	Very Good	12,131	0.25:1 or 0.5:1
5	R-121	2	26.9'-27.6'			Siltstone	805.6	784.6	50%	5.6	Very Poor	1,407	2.0:1
5	R-121A	4	38.9'-39.6'	4	41.4'-41.9'	Shale	817.3	808.9	90%	10.2	Very Good	987	2.0:1
5	R-121A	5	47.4'-47.9'	5	52.5'-53.0'	Siltstone	808.9	789.8	90%	19.4	Very Good	1,749	1.0:1
5	R-122	2	18.8'-19.4'	2	18.3'-18.8'	Shale	856	841.1	55%	4.9	Fair	1,918	1.0:1 or 1.5:1
5	R-122			3	30.8'-31.2'	Sandstone interbedded w/Shale	841.1	835	60%	50	Fair	6,049	1.0:1
5	R-122	4	34.5'-35.5'	4	33.9'-34.5'	Shale	835	810.3	90%	1.7	Very Good	2,101	1.0:1
5	R-122	7	66'.8-67.9'	8	77.2'-77.9'	Siltstone w/ SS interbeds	810.3	787.8	92%	49	Very Good	4,920	0.25:1 or 0.5:1
5	R-122	10	95.1'-96.1'	9	84.8'-85.5'	Sandstone	787.8	756.2	97%	97.6	Very Good	4,983	0.25:1 or 0.5:1
5	R-122	10	95.1'-96.1'	10	96.2'-96.6'	Sandstone	787.8	756.2	97%	97.6	Very Good	11,696	0.25:1 or 0.5:1
6	R-145A	3	37.5'-38.5'	3	38.4'-38.8'	Shale	874.7	857	55%	45.2	Fair	703	2.0:1
6	R-145A	4	47.3'-48.3'	4	48.3'-48.7'	Sandstone	855	845.5	4%	76.3	Fair	4,072	0.5:1 or 1.0:1
6	R-145A	5	54.7'-55.7'		PL Data	Shale	845.5	834.4	58%	11.4	Fair	1,000	1.0:1 or 1.5:1.0
6	R-145A	6	65.7'-66.7'			Shale	834.4	826.1	55%	3.1	Fair	1,239	1.0:1 or 1.5:1.0
6	R-145A	7	81.3'-82.2'	7	80.8'-81.3'	Sandstone	826.1	783.4	88%	96.3	Very Good	11,150	0.25:1 or 0.5:1
6	R-146	3	22.0'-32.0'	3	31.6'-32.3'	Sandstone	884.8	842.7	93%	67.0	Very Good	2,324	1.0:1
6	R-146	5	50.6'-51.6'		See PL	Sandstone	884.8	842.7	93%	84.4	Very Good	3,381	0.25:1 or 0.5:1
6	R-147	4	33.0'-43.0'			Shale	835.2	826.5	94%	12.7	Very Good	840	2.0:1
7	R-150			3	34.0'-34.4'	Shale	843.6	826.8	67%	50	Fair	2,270	1.0:1 or 1.5:1
7	R-150			6	61.1'-62.5'	Sandstone	826.8	782.1	85%	75	Good	9,870	0.25:1 or 0.5:1
7	R-152A	7	63.6'-64.4'	7	64.5'-64.9'	Sandstone	819.3	782.3	99%	18.7	Very Good	5,416	0.25:1 or 0.5:1
7	R-153	3	23.0'-24.0'	3	24.0'-24.6'	Shale	879	850.1	70%	14.6	Fair	699	2.0:1
7	R-153	6	53.0'-54.0'	6	56.0'-56.5'	Sandstone	846.3	835	85%	80.9	Good	6,492	0.25:1 or 0.5:1
7	R-153	7	64.8'-65.8'	7	66.2'-66.7'	Shale	829	817.1	100%	41.1	Very Good	1,891	1.0:1
7	R-153	8	81.3'-82.3'	8	82.3'-82.8'	Shale	817.1	806.9	73%	41.9	Good	5,348	0.25:1 or 0.5:1
7	R-153	11	103.0'-104.0'	11	104.0'-104.4'	Sandstone	799.6	767	95%	88.1	Very Good	8,845	0.25:1 or 0.5:1
7	R-153*	3	26.2'-28.0'		PL Data	Shale	879	850.1	70%	64.2	Fair	699	2.0:1
7	R-153**	6	57.0'-58.0'			Sandstone	846.3	835	85%	1.4	Good	6,492	0.25:1 or 0.5:1
7	R-153	7	71.9'-73.0'			Shale	829	817.1	100%	38.8	Very Good	1,891	1.0:1
7	R-154	3	40.0'-40.4'			Sandstone	815.6	761.2	89%	50	Very Good	10,607	0.25:1 or 0.5:1
7	R-154	6	65.5'-65.9'			Sandstone	815.6	761.2	89%	75	Very Good	11,269	0.25:1 or 0.5:1
7	R-156	6	62.5'-63.5'			Siltstone	809.9	800.2	95%	61.3	Very Good	1,995	1.0:1
7	R-156	10	100.0'-100.9'	10	101.1'-101.5'	Sandstone	800.2	754.4	98%	91.1	Very Good	2,974	1.0:1
8	R-2169	1		1	9.1'-9.5'	Sandstone	800.9	784.4	97%	75.0	Very Good	5,323	0.25:1 or 0.5:1
8	R-2169	4		4	36.5'-37.0'	Sandstone	780.5	757.8	100%	75.0	Very Good	8,478	0.25:1 or 0.5:1
9	R-186	3	22.2'-23.2'	3	23.2'-23.7'	Sandstone interbedded w/siltstone	701.1	677.6	50%	97.0	Very Good	7,168	1.0:1
9	R-189	1	5.0'-6.0'	1	7.0'-7.4'	Sandstone	757.6	734.5	41%	89.2	Good	4,621	0.5:1 or 1.0:1
9	R-189	4	36.3'-37.5'	4	35.8'-36.3'	Sandstone	734.5	687.6	60%	97.9	Very Good	8,880	0.25:1 or 0.5:1
10	R-199	1	42.5'-43.5'	1	46.0'-46.4'	Shale interbedded w/SS	779.4	776.9	0%	18.6	Very Poor	1,701	2.0:1
10	R-199	1	46.4'-47.4'	1	46.0'-46.4'	Shale interbedded w/SS	779.4	776.9	0%	63.5	Fair	1,701	2.0:1
10	R-199	4	73.1'-74.2'	4	72.5'-73.1'	Sandstone	776.9	682.9	80%	98.1	Very Good	9,933	0.25:1 or 0.5:1
10	R-199	10	130.0'-130.9'	10	130.9'-131.5'	Sandstone	776.9	682.9	80%	96.5	Very Good	12,224	0.25:1 or 0.5:1
10	R-199	10	132.5'-133.5'	10	133.5'-134.0'	Sandstone	776.9	682.9	80%	96.5	Very Good	11,781	0.25:1 or 0.5:1