Construction Materials Table 2
Hanson and Hutchinson
Counties, South Dakota

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BeE:							
Betts	45	Fair		Poor		Poor	
		Low content of organic matter	0.12	Slope	0.00	Slope	0.00
		Carbonate content	0.92	Low strength	0.00	Carbonate content	0.92
		Water erosion	0.99	Shrink-swell	0.87		
Ethan	40	Fair		Poor		Poor	
		Low content of organic matter	0.12	Low strength	0.00	Slope	0.00
		Carbonate content	0.68	Slope	0.50	Carbonate content	0.68
		Water erosion	0.99	Shrink-swell	0.87		
Bo:							
Bon	90	Good		Fair		Good	
				Low strength	0.22		
Ca:							
Chaska	85	Fair		Poor		Poor	
		Low content of organic matter	0.88	Depth to saturated zone	0.00	Depth to saturated zone	0.00
Cb:							
Chaska	85	Fair		Fair		Fair	
		Low content of organic matter	0.88	Depth to saturated zone	0.53	Depth to saturated zone	0.53
Cc:							
Clamo	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Water erosion	0.90	Depth to saturated zone	0.00	Depth to saturated zone	0.00
				Shrink-swell	0.12	Salinity	0.88
CdA:							
Clarno	85	Fair		Poor		Good	
		Low content of organic matter	0.12	Low strength	0.00		
		Water erosion	0.99	Shrink-swell	0.87		

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
CdB:							
Clarno----------	85	Fair		Poor		Good	
		Low content of organic matter	0.12	Low strength	0.00		
		Water erosion	0.99	Shrink-swell	0.87		
CeA:							
Clarno----------	55	Fair		Poor		Good	
		Low content of organic matter	0.12	Low strength	0.00		
		Water erosion	0.99	Shrink-swell	0.87		
Davison----------	30	Fair		Fair		Fair	
		Low content of organic matter	0.12	Depth to saturated zone	0.98	Carbonate content	0.84
		Carbonate content	0.84			Depth to saturated zone	0.98
		Water erosion	0.99				
CeB:							
Davison----------	25	Fair		Fair		Fair	
		Low content of organic matter	0.12	Depth to saturated zone	0.98	Carbonate content	0.84
		Carbonate content	0.84			Depth to saturated zone	0.98
		Water erosion	0.99				
CnC:							
Clarno----------	60	Fair		Poor		Good	
		Low content of organic matter	0.12	Low strength	0.00		
		Water erosion	0.99	Shrink-swell	0.87		
Ethan----------	25	Fair		Poor		Fair	
		Low content of organic matter	0.12	Low strength	0.00	Carbonate content	0.68
		Carbonate content	0.68	Shrink-swell	0.87		
		Water erosion	0.99				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
CsA:							
Clarno----------	60	Fair		Poor		Good	
		Low content of organic matter	0.12	Low strength	0.00		
		Water erosion	0.99	Shrink-swell	0.87		
Stickney----------	20	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Salinity	0.88	Shrink-swell	0.59	Salinity	0.00
		Water erosion	0.99				
Ct:							
Crossplain----------	45	Fair		Poor		Poor	
		Low content of organic matter	0.88	Low strength	0.00	Depth to saturated zone	0.00
		Water erosion	0.99	Depth to saturated zone	0.00		
				Shrink-swell	0.71		
Harps----------	30	Fair		Fair		Fair	
		Low content of organic matter	0.12	Depth to saturated zone	0.04	Depth to saturated zone	0.04
		Carbonate content	0.32			Carbonate content	0.68
DaB:							
Davis----------	80	Fair		Poor		Good	
		Low content of organic matter	0.50	Low strength	0.00		
DaC:							
Davis----------	85	Fair		Poor		Good	
		Low content of organic matter	0.50	Low strength	0.00		
DbA:							
Davison----------	70	Fair		Fair		Fair	
		Low content of organic matter	0.12	Depth to saturated zone	0.98	Carbonate content	0.84
		Carbonate content	0.84			Depth to saturated zone	0.98
		Water erosion	0.99				

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
DcB:							
Davison----------	45	Fair		Fair		Fair	
		Low content of organic matter	0.12	Depth to saturated zone	0.98	Carbonate content	0.84
		Carbonate content	0.84			Depth to saturated zone	0.98
		Water erosion	0.99				
Onita----------	30	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.12	Shrink-swell	0.62		
		Water erosion	0.90				
DeA:							
Delmont----------	85	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Low content of organic matter	0.12			Rock fragments	0.00
		Droughty	0.90			Hard to reclaim	0.32
DeB:							
Delmont----------	80	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Low content of organic matter	0.12			Rock fragments	0.00
		Droughty	0.90			Hard to reclaim	0.32
DmB:							
Delmont----------	50	Fair		Poor		Fair	
		Droughty	0.07	Depth to bedrock	0.00	Depth to bedrock	0.16
		Depth to bedrock	0.16				
Rock Outcrop, Hard--	35	Not rated		Not rated		Not rated	
DnD:							
Delmont----------	55	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Low content of organic matter	0.12			Rock fragments	0.00
		Droughty	0.90			Hard to reclaim	0.32
						Slope	0.84

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Talmo----------	25	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Low content of organic matter	0.12			Rock fragments	0.00
		Droughty	0.30			Hard to reclaim	0.00
						Slope	0.96
Do:							
Dimo----------	85	Fair		Fair		Fair	
		Low content of organic matter	0.12	Depth to saturated zone	0.76	Hard to reclaim	0.08
						Depth to saturated zone	0.76
DsA:							
Dudley----------	40	Poor		Poor		Poor	
		Sodium content	0.00	Low strength	0.00	Salinity	0.00
		Low content of organic matter	0.12	Shrink-swell	0.62	Sodium content	0.40
		Salinity	0.50				
		Water erosion	0.99				
Stickney----------	35	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Salinity	0.88	Shrink-swell	0.59	Salinity	0.00
		Water erosion	0.99				
Du:							
Durrstein----------	85	Poor		Poor		Poor	
		Sodium content	0.00	Depth to saturated zone	0.00	Sodium content	0.00
		Too clayey	0.00	Low strength	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.12	Shrink-swell	0.00	Too Clayey	0.00
		Salinity	0.88			Salinity	0.00
		Water erosion	0.99				
EaC:							
Egan----------	80	Fair		Poor		Good	
		Low content of organic matter	0.50	Low strength	0.00		
		Water erosion	0.90	Shrink-swell	0.87		

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
EbC2:							
Egan----------	60	Fair		Poor		Good	
		Low content of organic matter	0.50	Low strength	0.00		
		Water erosion	0.90	Shrink-swell	0.87		
Betts----------	25	Fair		Poor		Fair	
		Low content of organic matter	0.12	Low strength	0.00	Carbonate content	0.92
		Carbonate content	0.92	Shrink-swell	0.87		
		Water erosion	0.99				
EgB:							
Egan----------	40	Fair		Poor		Good	
		Low content of organic matter	0.50	Low strength	0.00		
		Water erosion	0.90	Shrink-swell	0.87		
Wentworth----------	40	Fair		Poor		Good	
		Low content of organic matter	0.50	Low strength	0.00		
		Water erosion	0.90	Shrink-swell	0.87		
EnA:							
Enet----------	80	Fair		Good		Fair	
		Low content of organic matter	0.12			Hard to reclaim	0.82
EtB:							
Ethan----------	55	Fair		Poor		Fair	
		Low content of organic matter	0.12	Low strength	0.00	Carbonate content	0.68
		Carbonate content	0.68	Shrink-swell	0.87		
		Water erosion	0.99				
Betts----------	25	Fair		Poor		Fair	
		Low content of organic matter	0.12	Low strength	0.00	Carbonate content	0.92
		Carbonate content	0.92	Shrink-swell	0.87		
		Water erosion	0.99				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
EtC2:							
Ethan----------	50	Fair		Poor		Fair	
		Low content of organic matter	0.12	Low strength	0.00	Carbonate content	0.68
		Carbonate content	0.68	Shrink-swell	0.87		
		Water erosion	0.99				
Betts----------	30	Fair		Poor		Fair	
		Low content of organic matter	0.12	Low strength	0.00	Carbonate content	0.92
		Carbonate content	0.92	Shrink-swell	0.87		
		Water erosion	0.99				
EtD:							
Ethan----------	45	Fair		Poor		Fair	
		Low content of organic matter	0.12	Low strength	0.00	Slope	0.37
		Carbonate content	0.68	Shrink-swell	0.87	Carbonate content	0.68
		Water erosion	0.99				
Betts----------	30	Fair		Poor		Fair	
		Low content of organic matter	0.12	Low strength	0.00	Slope	0.37
		Carbonate content	0.92	Shrink-swell	0.87	Carbonate content	0.92
		Water erosion	0.99				
EuB:							
Clarno----------	40	Fair		Poor		Good	
		Low content of organic matter	0.12	Low strength	0.00		
		Water erosion	0.99	Shrink-swell	0.87		
Ethan----------	40	Fair		Poor		Fair	
		Low content of organic matter	0.12	Low strength	0.00	Carbonate content	0.68
		Carbonate content	0.68	Shrink-swell	0.87		
		Water erosion	0.99				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
EuC:							
Ethan----------	45	Fair		Poor		Fair	
		Low content of organic matter	0.12	Low strength	0.00	Carbonate content	0.68
		Carbonate content	0.68	Shrink-swell	0.87		
		Water erosion	0.99				
Clarno----------	40	Fair		Poor		Good	
		Low content of organic matter	0.12	Low strength	0.00		
		Water erosion	0.99	Shrink-swell	0.87		
EwC:							
Ethan----------	50	Fair		Poor		Fair	
		Low content of organic matter	0.12	Low strength	0.00	Carbonate content	0.68
		Carbonate content	0.68	Shrink-swell	0.87		
		Water erosion	0.99				
Homme----------	30	Fair		Poor		Fair	
		Too clayey	0.24	Low strength	0.00	Too Clayey	0.23
		Water erosion	0.99	Shrink-swell	0.69		
Fa:							
Fedora----------	90	Fair		Poor		Poor	
		Carbonate content	0.46	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.88				
GRAV:							
Orthents, Gravelly--	100	Fair		Not Rated		Poor	
		Droughty	0.05	Slope	0.00	Rock fragments	0.00
		Low content of organic matter	0.12			Slope	0.00
		Too sandy	0.14			Too sandy	0.14
						Hard to reclaim	0.18
HaA:							
Hand----------	80	Good		Fair		Good	
				Low strength	0.78		
				Shrink-swell	0.94		

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HaB:							
Hand----------	80	Good		Fair		Good	
				Low strength	0.78		
				Shrink-swell	0.94		
HaC:							
Hand----------	85	Good		Fair		Good	
				Low strength	0.78		
				Shrink-swell	0.94		
HbC:							
Hand----------	60	Good		Fair		Good	
				Low strength	0.78		
				Shrink-swell	0.94		
Betts----------	25	Fair		Poor		Fair	
		Low content of organic matter	0.12	Low strength	0.00	Carbonate content	0.92
		Carbonate content	0.92	Shrink-swell	0.87		
		Water erosion	0.99				
HcA:							
Hand----------	60	Good		Fair		Good	
				Low strength	0.78		
				Shrink-swell	0.94		
Bonilla----------	25	Fair		Poor		Good	
		Low content of organic matter	0.50	Low strength	0.00		
				Shrink-swell	0.87		
HdB:							
Hand----------	65	Good		Fair		Good	
				Low strength	0.78		
				Shrink-swell	0.94		
Davison----------	25	Fair		Fair		Fair	
		Low content of organic matter	0.12	Depth to saturated zone	0.98	Carbonate content	0.84
		Carbonate content	0.84			Depth to saturated zone	0.98
		Water erosion	0.99				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HmA:							
Henkin----------	85	Good		Good		Good	
HmB:							
Henkin----------	90	Good		Good		Good	
HnB:							
Alwilda----------	90	Fair		Good		Poor	
		Low content of organic matter	0.12			Rock fragments	0.00
		Too sandy	0.19			Too sandy	0.19
		Droughty	0.83			Hard to reclaim	0.50
HoC:							
Homme----------	60	Fair		Poor		Fair	
		Too clayey	0.24	Low strength	0.00	Too Clayey	0.23
		Water erosion	0.99	Shrink-swell	0.69		
Ethan----------	25	Fair		Poor		Fair	
		Low content of organic matter	0.12	Low strength	0.00	Carbonate content	0.68
		Carbonate content	0.68	Shrink-swell	0.87		
		Water erosion	0.99				
HtA:							
Homme----------	60	Fair		Poor		Fair	
		Too clayey	0.24	Low strength	0.00	Too Clayey	0.23
		Water erosion	0.99	Shrink-swell	0.69		
Onita----------	25	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.12	Shrink-swell	0.62		
		Water erosion	0.90				
HtB:							
Homme----------	60	Fair		Poor		Fair	
		Too clayey	0.24	Low strength	0.00	Too Clayey	0.23
		Water erosion	0.99	Shrink-swell	0.69		

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Onita----------	25	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.12	Shrink-swell	0.62		
		Water erosion	0.90				
Ja:							
James----------	80	Poor		Poor		Poor	
		Too clayey	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Salinity	0.00	Shrink-swell	0.00	Salinity	0.00
		Sodium content	0.22	Low strength	0.00	Too Clayey	0.00
		Water erosion	0.99			Sodium content	0.22
La:							
Lamo----------	80	Fair		Poor		Fair	
		Low content of organic matter	0.88	Low strength	0.00	Depth to saturated zone	0.53
		Water erosion	0.90	Depth to saturated zone	0.53		
				Shrink-swell	0.87		
Lm:							
Lamo----------	45	Fair		Poor		Fair	
		Low content of organic matter	0.88	Low strength	0.00	Depth to saturated zone	0.53
		Water erosion	0.90	Depth to saturated zone	0.53		
				Shrink-swell	0.87		
Wann----------	30	Fair		Fair		Fair	
		Low content of organic matter	0.88	Depth to saturated zone	0.91	Depth to saturated zone	0.91
		Sodium content	0.97			Rock fragments	0.97
						Sodium content	0.98
M-W:							
Miscellaneous Water-	100	Not rated		Not rated		Not rated	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ma:							
Worthing----------	100	Poor		Poor		Poor	
		Too clayey	0.00	Depth to saturated zone	0.00	Too Clayey	0.00
		Water erosion	0.99	Low strength	0.00	Depth to saturated zone	0.00
				Shrink-swell	0.00		
OaA:							
Onita----------	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.12	Shrink-swell	0.62		
		Water erosion	0.90				
PcA:							
Prosper----------	50	Fair		Poor		Fair	
		Low content of organic matter	0.12	Low strength	0.00	Too Clayey	0.93
		Too clayey	0.98	Shrink-swell	0.90		
		Water erosion	0.99				
Clarno----------	40	Fair		Poor		Good	
		Low content of organic matter	0.12	Low strength	0.00		
		Water erosion	0.99	Shrink-swell	0.87		
Pr:							
Prosper----------	55	Fair		Poor		Fair	
		Low content of organic matter	0.12	Low strength	0.00	Too Clayey	0.93
		Too clayey	0.98	Shrink-swell	0.90		
		Water erosion	0.99				
Stickney----------	30	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Salinity	0.88	Shrink-swell	0.59	Salinity	0.00
		Water erosion	0.99				

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(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ps:							
Crossplain----------	40	Fair		Poor		Poor	
		Low content of organic matter	0.88	Low strength	0.00	Depth to saturated zone	0.00
		Water erosion	0.99	Depth to saturated zone	0.00		
				Shrink-swell	0.71		
Prosper----------	40	Fair		Poor		Fair	
		Low content of organic matter	0.12	Low strength	0.00	Too Clayey	0.93
		Too clayey	0.98	Shrink-swell	0.90		
		Water erosion	0.99				
QUAR:							
Rock Outcrop, Hard--	100	Not rated		Not rated		Not rated	
ReB:							
Redstoe----------	85	Poor		Poor		Poor	
		Carbonate content	0.00	Depth to bedrock	0.00	Carbonate content	0.00
		Depth to bedrock	0.58	Low strength	0.00	Depth to bedrock	0.58
		Droughty	0.58	Shrink-swell	0.96		
		Water erosion	0.90				
Sa:							
Salmo----------	90	Fair		Poor		Poor	
		Salinity	0.88	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Carbonate content	0.97	Low strength	0.00	Salinity	0.00
		Sodium content	0.97	Shrink-swell	0.87	Carbonate content	0.97
St:							
Arlo----------	85	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Carbonate content	0.68			Hard to reclaim	0.82
						Carbonate content	0.92

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Te:							
Tetonka----------	85	Poor		Poor		Poor	
		Too clayey	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Water erosion	0.99	Low strength	0.00	Too Clayey	0.00
				Shrink-swell	0.00		
Tt:							
Tetonka----------	65	Poor		Poor		Poor	
		Too clayey	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Water erosion	0.99	Low strength	0.00	Too Clayey	0.00
				Shrink-swell	0.00		
Harps----------	25	Fair		Fair		Fair	
		Low content of organic matter	0.12	Depth to saturated zone	0.04	Depth to saturated zone	0.04
		Carbonate content	0.32			Carbonate content	0.68
Tw:							
Tetonka----------	40	Poor		Poor		Poor	
		Too clayey	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Water erosion	0.99	Low strength	0.00	Too Clayey	0.00
				Shrink-swell	0.00		
Whitewood----------	40	Fair		Poor		Poor	
		Low content of organic matter	0.12	Low strength	0.00	Depth to saturated zone	0.00
		Water erosion	0.90	Depth to saturated zone	0.00		
				Shrink-swell	0.87		
W:							
Water----------	100	Not rated		Not rated		Not rated	
Wa:							
Wann----------	90	Fair		Fair		Fair	
		Low content of organic matter	0.88	Depth to saturated zone	0.91	Depth to saturated zone	0.91
		Sodium content	0.97			Rock fragments	0.97
						Sodium content	0.98

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ww:							
Worthing----------	85	Poor		Poor		Poor	
		Too clayey	0.00	Depth to saturated zone	0.00	Too Clayey	0.00
		Water erosion	0.99	Low strength	0.00	Depth to saturated zone	0.00
				Shrink-swell	0.00		