

HELENE BLOCK GRANT ROAD REPAIR PROGRAM

Field Soil Investigation Sheet

HBG-SOIL-001 • Soil determinations only — engineering criteria excluded • Page 1 of 2

Date: _____

Project ID: _____

Evaluator: _____

A. SITE INFORMATION

Landowner / Applicant		County	
Road / Trail Name or ID		Parcel / PIN	
GPS Coordinates			
Road Type	<input type="checkbox"/> Farm road <input type="checkbox"/> Forest trail <input type="checkbox"/> Access road <input type="checkbox"/> Other: _____		
Applicable CPS	<input type="checkbox"/> 560 <input type="checkbox"/> 561 <input type="checkbox"/> 578 <input type="checkbox"/> 655 Length of Road / Crossing: _____		
WSS Series / Map Unit			
WSS Drainage Class	<input type="checkbox"/> Well / Excessive <input type="checkbox"/> Mod. Well <input type="checkbox"/> Somewhat Poor <input type="checkbox"/> Poor <input type="checkbox"/> Very Poor		
WSS Road Suitability			

B. SOIL PROFILE OBSERVATIONS & USCS CLASSIFICATION

Horizon	Depth (in)	Texture (field)	Color (Munsell)	Structure	Drainage / Mottling	USCS Symbol

Field conditions consistent with mapped series? <input type="checkbox"/> Yes <input type="checkbox"/> No* — note deviation in observations below	Overall (most limiting) USCS Suitability: <input type="checkbox"/> SUITABLE <input type="checkbox"/> PROVISIONAL <input type="checkbox"/> NOT SUITABLE
Profile deviations / fill material / additional observations:	
Observed drainage (field): <input type="checkbox"/> Well/Exc <input type="checkbox"/> Mod. Well <input type="checkbox"/> Somewhat Poor <input type="checkbox"/> Poor <input type="checkbox"/> Very Poor	
Rutting: <input type="checkbox"/> None <input type="checkbox"/> Minor <input type="checkbox"/> Active	
Erosion: <input type="checkbox"/> None <input type="checkbox"/> Minor <input type="checkbox"/> Active	
Visible slope instability: <input type="checkbox"/> None <input type="checkbox"/> Present — photograph and note location	

D. TRACK 1 SOIL CRITERIA — Check all that apply. ALL boxes checked = Track 1 eligible (full funding).

Evaluate Track 1 first on every project. If all items are confirmed, Track 2 is not required.

<input type="checkbox"/>	USCS classification is SUITABLE or PROVISIONAL for all soils in corridor <i>NOT SUITABLE soils (CH, MH, OL, OH, PT) absent from footprint — if present, Track 1 is not eligible</i>
<input type="checkbox"/>	Subbase soils (CPS 561): USCS documented; Provisional or Not Suitable subbase flagged for geotextile requirement
<input type="checkbox"/>	Surface material confirmed non-toxic and non-acid-forming (no mine spoil, slag, or reactive material)
<input type="checkbox"/>	No hydric soil indicators in footprint <i>No F-horizon, depleted matrix, or aquic conditions — if present, flag for program administrator</i>
<input type="checkbox"/>	Cut / fill slope soils documented — no active instability observed; slide-prone conditions flagged
<input type="checkbox"/>	No ponding, seepage, or saturated soils at or near road / crossing surface
<input type="checkbox"/>	No active rutting on road surface inconsistent with USCS classification and traffic load
<input type="checkbox"/>	No active erosion or surface displacement on road surface or adjacent disturbed soils
<input type="checkbox"/>	Shoulder / disturbed soils: vegetative cover adequate to limit erosion
<input type="checkbox"/>	Stream crossing soils (CPS 578): approach and backfill USCS documented; scour-susceptible soils flagged for engineering
<input type="checkbox"/>	Stream crossing (if present): approach and backfill soils free of high-plasticity or organic material; no scour or undermining evident
<input checked="" type="checkbox"/>	ALL BOXES CHECKED → TRACK 1 ELIGIBLE (full funding). Skip Section E. Proceed to sign-off.
<input checked="" type="checkbox"/>	ANY BOX UNCHECKED → PROCEED TO TRACK 2 (Section E). Document which items were not met.

E. TRACK 2 SOIL STABILITY DETERMINATION — Complete only if any Track 1 item was unchecked. ALL boxes checked = Track 2 eligible (partial funding).

Track 1 items NOT met (list):

Projects with Not Suitable USCS soils (CH, MH, OL, OH, PT) in the road/trail footprint are not eligible under Track 2.

<input type="checkbox"/>	USCS is PROVISIONAL at most limiting — NOT SUITABLE soils absent <i>If NOT SUITABLE present, Track 2 not eligible — note below and proceed to sign-off</i>
<input type="checkbox"/>	No active rutting — surface maintaining integrity under current traffic
<input type="checkbox"/>	No active erosion or surface displacement on road / crossing or disturbed soils
<input type="checkbox"/>	Soil drainage non-limiting — no ponding or saturated surface conditions
<input type="checkbox"/>	Cut / fill slopes stable — no slumping, sliding, or piping
<input type="checkbox"/>	Stream crossing soils (if present): approach and backfill free of high-plasticity or organic material
<input type="checkbox"/>	No hydric soil indicators in footprint
<input type="checkbox"/>	Vegetative cover on disturbed soils adequate given USCS erodibility

▶	ALL BOXES CHECKED → TRACK 2 ELIGIBLE (partial funding). Complete stability narrative below and proceed to sign-off.
▶	ANY BOX UNCHECKED → NOT ELIGIBLE. Document reason below and proceed to sign-off.
Track 2 Stability Rationale (required — reference USCS, field observations, and basis for stability finding; attach additional pages as needed):	

F. EVALUATOR SIGN-OFF & ELIGIBILITY DETERMINATION

Evaluator Name		Title / Credentials	
Agency / Organization		Date of Field Evaluation	

<input type="checkbox"/> TRACK 1 ELIGIBLE Full funding — all soil criteria met	<input type="checkbox"/> TRACK 2 ELIGIBLE Partial funding — stable per determination	<input type="checkbox"/> NOT ELIGIBLE Soils do not support stable road / trail use
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Signature of Evaluator:	
Date Signed:	

Notes for program administrator / engineering referral flags:

Soil Group	Symbols	Typical Drainage	Rating	Notes
Gravel — clean	GW, GP	Well–Excessive	SUITABLE	Best bearing; no geotextile needed
Gravel — with fines	GM, GC	Well–Mod. well	SUITABLE	Good bearing; check fines content
Sand — clean	SW, SP	Well–Excessive	SUITABLE	Good when confined; watch steep grades
Silty/clayey sand	SM, SC	Mod. well–Poor	PROVISIONAL	Geotextile required; flag engineering
Low-plasticity silt	ML	Poor–Mod. well	PROVISIONAL	Erodible; frost-susceptible; flag eng.
Low-plasticity clay	CL	Poor–Mod. well	PROVISIONAL	Seasonal bearing loss; flag engineering
High-plasticity silt	MH	Poor	NOT SUITABLE	Very low bearing; avoid siting
High-plasticity clay	CH	Poor–Very poor	NOT SUITABLE	Extreme rutting risk; wetland flag
Organic silt/clay	OL, OH	Very poor	NOT SUITABLE	Compressible; wetland indicator
Peat/highly organic	PT	Very poor	NOT SUITABLE	No bearing capacity; do not site