

HELENE BLOCK GRANT ROAD REPAIR PROGRAM

Engineering Decision Sheet — Stream Crossing - Version 1.1 (07/10/2026)

HBG-ENG-002 • CPS 578 • Engineering criteria only — soils evaluation excluded • One form per crossing

Date: _____

Project ID: _____

Crossing #: _____

Evaluator: _____

A. SITE INFORMATION

Landowner / Applicant		County	
			Trout County: ☐ Yes ☐ No
Road Name or ID		Parcel / PIN	
GPS Location of Crossing		Stream Classification	
Crossing Type	☐ Culvert ☐ Ford		
Repair Status	☐ Complete ☐ Incomplete / Partially Complete		
Mapped Floodplain?	☐ Yes — floodplain development permit / no-rise cert may be required ☐ No		
Approx. Date of Repair			

⚠ SOILS REVIEW TRIGGER (HBG-SOIL-001) — Check all that apply. If ANY box is checked, request soils review.

- ☐ Active rutting or erosion on crossing approach
- ☐ Ponding or saturated soils at crossing surface or approach
- ☐ Visible slope instability at approaches (slumping, cracking, toe bulging, alligator cracking)
- ☐ Crossing surface without geotextile where subgrade is soft or unstable
- ☐ Visible scour, piping, or undermining at culvert inlet or outlet

SOILS REVIEW REQUIRED? ☐ Yes ☐ No

B. TRACK 1 — CPS 578 COMPLIANCE (Check all that apply)

Evaluate Track 1 first on every project.

GENERAL — ALL CROSSING TYPES

	Location is in an area with a stable streambed away from abrupt channel grade or alignment changes, large tributaries, and 300' from known spawning areas of listed species
	Travel-way width adequate for the intended use
	All side slope cuts and fills in soil $\leq 2H:1V$; rock cuts/fills $\leq 1.5H:1V$
	Approaches blend with existing topography — ascent/descent grades $\leq 4H:1V$
	Approaches constructed with suitable material to withstand repeated use
	Surface runoff diverted around approaches to prevent erosion

	Livestock access excluded using fence and gates, as needed
	All disturbed areas vegetated
	Crossing does not create an aquatic organism passage barrier

CULVERT CROSSINGS — Complete if crossing type is culvert

	HBG_ENG_002_FS_CPS578 has been completed in the field
	Culvert embedded minimum 6" below existing stream bottom (at least one pipe for multi-pipe crossings)
	Culvert slope matches stream slope and slope does not exceed 6%
	Culvert will safely pass design storm
	Stable overflow / emergency bypass provided to safely pass flows exceeding culvert capacity

FORD CROSSINGS — Complete if crossing type is ford

	Watercourse is wide and shallow with firm streambed
	Ford is not immediately downstream from a culvert or pipe
	Ford crossing surface is flush with or below streambed (top surface $\leq$ 0.5 ft above original streambed)
	Cross-sectional area of crossing $\geq$ natural channel cross-sectional area
	Crossing slopes toward center of stream to provide thalweg (low flow) channel
	Cross-stream fencing installed at ford to exclude livestock and allow passage of floodwater and large woody material during high flows

▶	ALL APPLICABLE BOXES CHECKED → TRACK 1 ELIGIBLE. Skip Section C. Proceed to sign-off.
▶	ANY BOX UNCHECKED → PROCEED TO TRACK 2 (Section C). Document which items were not met.

C. TRACK 2 — STABILITY DETERMINATION | Complete only if any Track 1 item was unchecked.

Track 1 items NOT met (list):	
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Project ID: _____

A stream crossing is considered stable and safe when it is passable under normal flow conditions and does not exhibit active structural or hydraulic failure, even if it does not fully meet CPS 578 design criteria. ALL conditions below must be observed. Document justification in the narrative.

	No observable structural failure of the crossing or its fill material
	No observable erosion in fill material or scour at inlet/outlet delivering sediment to stream
	Crossing is not creating an upstream impoundment

▶	ALL BOXES CHECKED → TRACK 2 ELIGIBLE 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 field observations and basis for stability finding; attach additional pages as needed):

D. EVALUATOR SIGN-OFF & ELIGIBILITY DETERMINATION

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

TRACK 1 ELIGIBLE Full funding — CPS 578 criteria met

TRACK 2 ELIGIBLE Partial funding — stable per determination

NOT ELIGIBLE Does not meet CPS 578 or stability criteria

Signature of Evaluator:	
Date Signed:	

E. LANDOWNER/APPLICANT SIGN-OFF & ELIGIBILITY DETERMINATION	
If it was determined that the Project does Not meet Track 1 And Does Meet Track 2 or Is Not Eligible	
Does Landowner/Applicant want to go through design and re-install to bring project Track 1: NRCS Standard	
☐ Yes ☐ No ☐ Needs Additional Time to Evaluate Options	
Signature of Landowner/Applicant:	
Date Signed:	

Additional Notes and Potential Constraints: