Appendix H. Griff Creek Location Hydraulic Study Form

LOCATION HYDRAULIC STUDY FORM

Floodplain Description: The floodplain is connected to the low flow	M.P.West of int. w/Hwy 267 O BRIDGE culvert and road fill channel and is heavily vegetated with grasses ent has encroached on the upper floodplain in		
	imize floodplain impacts) hange in the roadway footprint at the Griff rel culvert, and no changes will be made to ation and profile) will be maintained with no sign only calls for repaying. Standard BMP's		
2. ADT: Current <u>19,100</u>	Projected <u>24,000</u>		
3. Hydraulic Data: Base Flood Q ₁₀₀ = <u>196</u> WSE ₁₀₀ = <u>n/a</u> The flood of record, if greate Q= <u>n/a</u> ft ³ / s WSE= <u>n/a</u> Overtopping flood Q= <u>520</u> ft ³ / s Are NFIP maps and studies available? Project site is mapped in association with Leben completed for Griff Creek. 4. Is the highway location alternative within YES NO X 5. Attach map with flood limits outlined showithin the base floodplain.	wse= top of road elevation yes_x no_ ake Tahoe mapping, no detailed study has a regulatory floodway?		
Potential Q100 backwater damages:			
A. Residences? NO B. Other Bldgs? NO C. Crops? NO D. Natural and beneficial FLOODPLAIN VALUES?	YES X YES X YES NO X YES		
LOODI LAIN VALOLO:	NO_X		
6. Type of Traffic:			
A. Emergency supply or evacuation route? B. Emergency vehicle access? C. Practicable detour available? D. School bus or mail route?	NOYESX NOYESX NOX_YES NOVESY		

7. Estimated duration of traffic interruption for 100-year event hours: <u>2 - 6</u>				
8. Estimated value of Q100 flood damages (if any) – moderate risk level.				
B Pr	roperty	\$no change \$no change \$no change		
The proposed project will not change the configuration of the current culverts. The roadway elevation and profile at the crossing will also remain consistent with the current (pre-project) condition. Therefore, the culvert hydraulics and overtopping will not change and flood damage risk will remain the same.				
9. Assessment of Level of Risk Low_X Moderate_High				
For High Risk projects, during design phase, additional Design Study Risk Analysis May be necessary to determine design alternative.				
Prepared Steven Se	by: eville, P.E.	No. 60513 Exp. O6.30.2003 CIVIL ATTE OF CALIFORNIA	AACB *	
_	e – Dist. Hydi nbers 3,4,5,7	raulic Engineer,9)		Date
Is there any longitudinal encroachment, significant encroachment, or any support of incompatible Floodplain development? NO X YES				
If yes, provide evaluation and discussion of practicability of alternatives in accordance with 23 CFR 650.113				
Information developed to comply with the Federal requirement for the Location Hydraulic Study shall be retained in the project files.				
	e – Dist. Proje nbers 1,2,6,8			Date

