

**BID PROPOSAL TO PROVIDE LABOR, EQUIPMENT, AND MATERIAL TO COMPLETE THE FOLLOWING WORK:**

**ONSITE SCOPE OF WORK:**

Provide improvement for repair at BRUSH ROAD CULVERT as described herein. Work to proceed as designed & directed by Brush Road Corporation. Contractor does not warrant repair design but will have all insurance needed to meet state requirements. BRUSH ROAD to remain open during repair work. Traffic control and safety barricades to be provided at all times.

**1. SUBDRAIN INTALLATION:**

Excavate to expose and remove 10 l/f section of existing 24" diameter corrugated steel culvert pipe and remove existing corrugated steel pipe riser from existing concrete weir. Place 4" PVC SDR35 perforated pipe from weir location downstream through existing 24" diameter corrugated steel pipe for a distance to be determined by existing blockage or misalignment of pipe connect PVC SDR35 vertical inspection riser to proposed finish grade at weir location. Deliver and place CLASS 2 permeable drain rock from existing channel flow line elevation to elevation 12" above top of existing concrete weir extending downstream to Brush Road embankment and extending 35 l/f upstream from weir with min. depth of drain rock of 18" above existing channel flow line.

**2. FILL PLACEMENT:**

Deliver, place and compact approximately 500 C.Y. CLEAN FILL DIRT from drain rock elevation to proposed finish grades.

**3. NEW CULVERT PLACEMENT:**

Install 130 l/f of 48" HDPE pipe at minimum 2% gradient extending from 35 l/f upstream of existing concrete weir to downstream side of Brush Road embankment including 20 l/f section of slope side pipe anchored to down slope embankment. Provide min. cover of 24" at Brush Road crossing. Install and connect 24" HDPE vertical riser pipe with grate and cover for drain inlet/maintenance riser at location approximately 20 ft. from uphill edge of Brush Road. Provide grading using drain rock to establish surface drainage pattern to drain inlet. Connect 8" PVC SDR35 to replace existing pipe from uphill Brush Road. Construct 4ft high reinforced (#4 rebar @ 1ft centers vertical & horizontal) concrete wing walls/floor structure at inflow of 48" HDPE pipe to extend 4ft upstream from pipe. Dowel floor to existing bedrock as possible. Install removable steel gate at pipe inflow.

**4. BRUSH ROAD ASPHALT REPAIR:**

Place 3" thick AC over 12" thick compacted CLASS 2 baserock to repair 8' wide saw cut section required for new culvert installation across Brush Road.

**5. ENERGY DISSIPATOR:**

Deliver and place fill dirt and provide minor grading at downstream side of Brush Road as required to direct channel flow downhill from 48" culvert outfall. Deliver and place 4" by 8" rock rip-rap 10 ft. wide by 12" thick with filter fabric underlayment from 48" culvert outfall to outfall of existing 24" corrugated steel pipe.

**6. EROSION CONTROL:**

Place straw mulch and seed with standard erosion control mix all disturbed slopes. Place straw wattle at atline of state right-of-way.

TO:

**BRUSH ROAD CORPORATION**  
**21105 OLD WELL ROAD**  
**LOS GATOS, CA 95033**

ATTN: KURT ANSLINGER  
408- 828-5824

WORK TO START AFTER APRIL 15, 2009 AND MUST BE COMPLETED BY JULY 1, 2009.  
PAYMENTS AS FOLLOWS : 10% AT SIGNING , 75% PER BILLING AND 15% UPON COMPLETION.