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| **Estimated Budget for the Martinez Crossing, Nash Mill Road.** | |
| **Item Description** | **Total Cost** |
| Heavy Equipment Mobilization and Demobilization | $5,100 |
| Water Diversion and PG&E Power Pole Relocation | $63,530 |
| Channel Restoration, Crossing Removal, Materials Transport and Storage, and Nash Mill Road Upgrading | $229,455 |
| Martinez Crossing Rebuild, Culvert and Riprap Installation | $64,167 |
| Erosion Control (materials and labor) | $6,780 |
| Revegetation (materials and labor) | $2,800 |
| Permitting (assumes grant or permit coordination process is in place) | $5,000 |
| Martinez Domestic Water Infrastructure Replacement and permitting, and Boondoggle Cr. Culvert Upgrade | $21,995 |
| Technical Oversight of Construction (including required grant monitoring and reporting) | $37,500 |
| **Total Construction Cost** | **$436,327** |

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| **Graded Materials** | **Volume (yd3)** |
| Sediment and road fill to be excavated | 10,340 |
| Design crossing backfill | 3,330 |
| Sediment to be permanently removed from the channel | 7,010 |
| Exported sediment to be stored locally on Nash Mill Road | 6,150 |
| Exported sediment requiring off-site disposal | 860 |

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| Equipment Type | Hours | Prevailing Wage Rate ($/hr) |
| Excavator | 269 | 190 |
| Bulldozer | 345 | 175 |
| Off-Highway Dump Truck | 436 | 210 |
| Roller/Compactor | 120 | 170 |
| Water Truck | 120 | 150 |
| Grader | 6 | 175 |
| Lowboy | 29 | 150 |
| Labor | 235 | 90 |
| Totals | 1,560 | - |

Potential Episodic Sediment Savings: 8,890 yd3

Potential Chronic Sediment Savings: 630 yd3/decade

**Pacific Watershed Associates for Francois Christen, Nash Ranch Road Association – 8/7/2015**