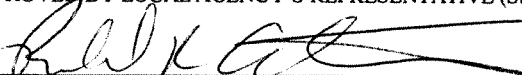


U.S. DEPARTMENT OF TRANSPORTATION	FEDERAL HIGHWAY ADMINISTRATION	CALIFORNIA DEPARTMENT OF TRANSPORTATION	
REQUEST FOR APPROVAL OF COST-EFFECTIVENESS/PUBLIC INTEREST FINDING			
COST-EFFECTIVENESS DETERMINATION REQUIRED		PUBLIC INTEREST DETERMINATION REQUIRED	
<input type="checkbox"/> Experimental Contracting methods (23 CFR 635.204) <input type="checkbox"/> Informal Bid (Less than three week advertisement) (23 CFR 635.112)* <input checked="" type="checkbox"/> Use of force account (day labor) (23 CFR 635.201) <input checked="" type="checkbox"/> Use of publicly owned equipment (23 CFR 635.106) <input type="checkbox"/> Other: _____		<input type="checkbox"/> Use of State-furnished materials (23 CFR 635.407) <input type="checkbox"/> Mandatory use of borrow/disposal sites (23 CFR 635.407)* <input type="checkbox"/> Use of patented and proprietary materials (23 CFR 635.411)* <input type="checkbox"/> Waiver of Buy America Requirements (23 CFR 635.410) <input type="checkbox"/> Other: _____	
* Requires Caltrans/FHWA approval			
FEDERAL-AID PROJECT	CLASS OF FEDERAL FUNDS:	<input type="checkbox"/> IM <input type="checkbox"/> NH <input checked="" type="checkbox"/> STP <input type="checkbox"/> OTHER:	
	STEWARDSHIP:	<input checked="" type="checkbox"/> STATE AUTHORIZED <input type="checkbox"/> FULL OVERSIGHT	
EA	DIST-CO-RTE- PM	ESTIMATED COST	FEDERAL FUNDS
928969L	03-ED-0-CR	\$62,358	\$55,206
GENERAL LOCATION		GENERAL DESCRIPTION OF WORK:	
Ice House Road Bridge Maintenance		Preventative Maintenance	
REASONS THAT REQUESTED APPROVAL IS CONSIDERED TO BE COST-EFFECTIVE OR IN THE PUBLIC'S BEST INTEREST (STATE):			
<p>County Maintenance Division staff will provide labor and materials for final stage of bridge maintenance project. County staff will remove and replace roadway section at approaches to 4 of the 5 bridges, replace asphalt concrete dike, and install overside drains and re-stripe new roadway segments. The attached estimate and "Cost Effectiveness Determination Notes" provide justification in using County staff, materials and labor, as a cost savings in anticipated.</p> <p>All County-furnished materials and equipment have been competitively bid. The materials meet our specifications and are readily available for County force account work.</p>			
REMARKS (STATE):			
APPROVED BY LOCAL AGENCY'S REPRESENTATIVE (State Author. Projects)		REPRESENTATIVE NAME AND TITLE:	DATE:
		Rick Carter Senior Civil Engineer	2/26/10

Distribution: 1) Local Agency File--Original 2) DLAE-Copy 3) Caltrans Project Manager -Copy if on the SHS

**Cost-Effectiveness/Public-Interest Finding
Determination Notes**

Estimated Contractor Costs (based on recent comparable project bids):

Roadway Excavation	=	283 CY x \$55.00	=	\$15,565
Aggregate Base (Class 2)	=	189 CY x \$80.00	=	\$15,120
Asphalt Concrete (Type A)	=	197 TON x \$180.00	=	\$35,460
Place AC Dike (Type A)	=	590 LF x \$10.00	=	\$5,900
Thermoplastic Striping	=	3968 LF x \$1.75	=	\$6,944
Total Contractor Estimate				\$78,989

Estimated Force Account Costs:Materials

Aggregate Base (Class 2)	=	189 CY x \$40.00	=	\$7,560
Asphalt Concrete (Type A)	=	189 TON x \$55.00	=	\$10,395
Asphalt Concrete (for Dike)	=	8 TON x \$55.00	=	\$440
Thermoplastic Striping	=	3968 LF x \$0.13	=	\$516
Subtotal				\$18,911

Equipment

Dump Truck	=	32 HRS x \$40.00	=	\$1,280
AC Dike Paver	=	16 HRS x \$60.00	=	\$960
Backhoe/Excavator	=	72 HRS x \$35.00	=	\$2,520
Roller	=	16 HRS x \$35.00	=	\$560
Striping Truck	=	8 HRS x \$30.00	=	\$240
Paver	=	16 HRS x \$120.00	=	\$1,920
Transfers	=	32 HRS x \$60.00	=	\$1,920
Subtotal				\$9,400

Labor

HW Maint. Supervisor	=	1 x 72 HR x \$82.07	=	\$5,909.04
HW Maint. Worker IV	=	3 x 72 HR x \$68.46	=	\$14,787.36
HW Maint. Worker III	=	2 x 72 HR x \$63.26	=	\$9,109.44
HW Maint. Worker II	=	1 x 72 HR x \$58.90	=	\$4,240.80
Subtotal				\$34,046.64

Total Force Account Estimate				\$62,358
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Total Estimated Cost Savings utilizing Force Account Work = \$16,631