

CALENDAR ITEM
C32

MINUTE ITEM
This Calendar Item No. C32
was approved as Minute Item
No. 32 by the State Lands
Commission by a vote of 3
to 0 at its 02/12/97
meeting.

A 2
S 4

02/12/97
PRC5213.9 W 25369
D. Jones

**TERMINATION OF GENERAL PERMIT - PUBLIC AGENCY USE NO.
PRC 5213.9; AND ISSUANCE OF GENERAL LEASE - RIGHT OF WAY USE**

LESSEE:

City of Redding
760 Parkview Avenue
Redding, California 96001

AREA, LAND TYPE, AND LOCATION:

1.48-acres, more or less, of submerged land in the bed of the Sacramento River
in the city of Redding, Shasta County.

AUTHORIZED USE:

South Bonnyview Bridge: The continued use and maintenance of an existing
bridge and the construction, use and maintenance of a new bridge within the
same right of way.

LEASE TERM:

25 years, beginning February 1, 1997.

CONSIDERATION:

The public use and benefit with the State reserving the right at any time to set a
monetary rental if the Commission finds such action to be in the State's best
interest.

SPECIFIC LEASE PROVISIONS:

Insurance:
N/A.
Bond:
N/A.

CALENDAR ITEM NO. C32 (CONT'D)

OTHER PERTINENT INFORMATION:

1. Applicant owns the uplands adjoining the lease premises.
2. A Negative Declaration was prepared and adopted for this project by the Redding Redevelopment Agency. The State Lands Commission's staff has reviewed such document.

A Mitigation Monitoring Plan was adopted by the Redding Redevelopment Agency.

3. This activity involves lands identified as possessing significant environmental values pursuant to Public Resources Code sections 6370, et seq. Based upon the staff's consultation with the persons nominating such lands and through the CEQA review process, it is the staff's opinion that the project, as proposed, is consistent with its use classification.
4. At its December 15, 1976 meeting, the Commission approved a 49-year General Permit - Public Agency Use, No. PRC 5213.9, to the County of Shasta for the construction and maintenance of a bridge across the Sacramento River known as the South Bonnyview Bridge. The proposed project consists of the construction of a new two-lane bridge paralleling the existing two-lane bridge, each bridge within the same right of way. The new bridge will duplicate the image of the old bridge. It will measure 453 feet long x 42 feet wide. There will be a gap of approximately four feet between the two bridges. The EIR for the existing bridge, certified by the County of Shasta on November 1, 1976, noted that in 20 years (1995) when traffic volumes reached 15,000 vehicle trips per day, a second parallel two-lane bridge would be needed. Current traffic volumes on South Bonnyview Road in this location are 19,000 to 21,000 vehicle trips per day, resulting in the need for a new bridge. The Redding Redevelopment Agency approved the proposed project on December 12, 1996.

The proposed action would terminate the existing lease and authorize a new lease for both bridges.

APPROVALS OBTAINED:

Redding Redevelopment Agency.

CALENDAR ITEM NO. C32 (CONT'D)

FURTHER APPROVALS REQUIRED:

California Department of Fish and Game, California Reclamation Board,
California Regional Water Quality Control Board, U.S. Army Corps of Engineers.

EXHIBITS:

- A. Site Map.
- B. Location Map.
- C. Redding Redevelopment Agency Resolution 97-2.
- D. Mitigation and Monitoring Plan.

PERMIT STREAMLINING ACT DEADLINE:

July 28, 1997.

RECOMMENDED ACTION:

IT IS RECOMMENDED THAT THE COMMISSION:

CEQA FINDINGS:

Existing Bridge:

FIND THAT THE ACTIVITY IS EXEMPT FROM THE REQUIREMENTS OF THE CEQA PURSUANT TO 14 CALIFORNIA CODE OF REGULATIONS, SECTION 15061 AS A CATEGORICALLY EXEMPT PROJECT, CLASS 1, EXISTING FACILITIES; TITLE 2, CALIFORNIA CODE OF REGULATIONS, SECTION 2905(a)(2).

New Bridge:

FIND THAT A NEGATIVE DECLARATION AND A MITIGATION MONITORING PROGRAM WERE PREPARED AND ADOPTED FOR THIS PROJECT BY THE CITY OF REDDING AND THAT THE COMMISSION HAS REVIEWED AND CONSIDERED THE INFORMATION CONTAINED THEREIN.

ADOPT THE MITIGATION MONITORING PROGRAM, AS CONTAINED IN EXHIBIT "D" ATTACHED HERETO.

CALENDAR ITEM NO. **C32** (CONT'D)

SIGNIFICANT LANDS INVENTORY FINDING:

Existing and New Bridges:

FIND THAT THIS ACTIVITY IS CONSISTENT WITH THE USE CLASSIFICATION DESIGNATED FOR THE LAND PURSUANT TO PUBLIC RESOURCES CODE SECTIONS 6370, ET SEQ.

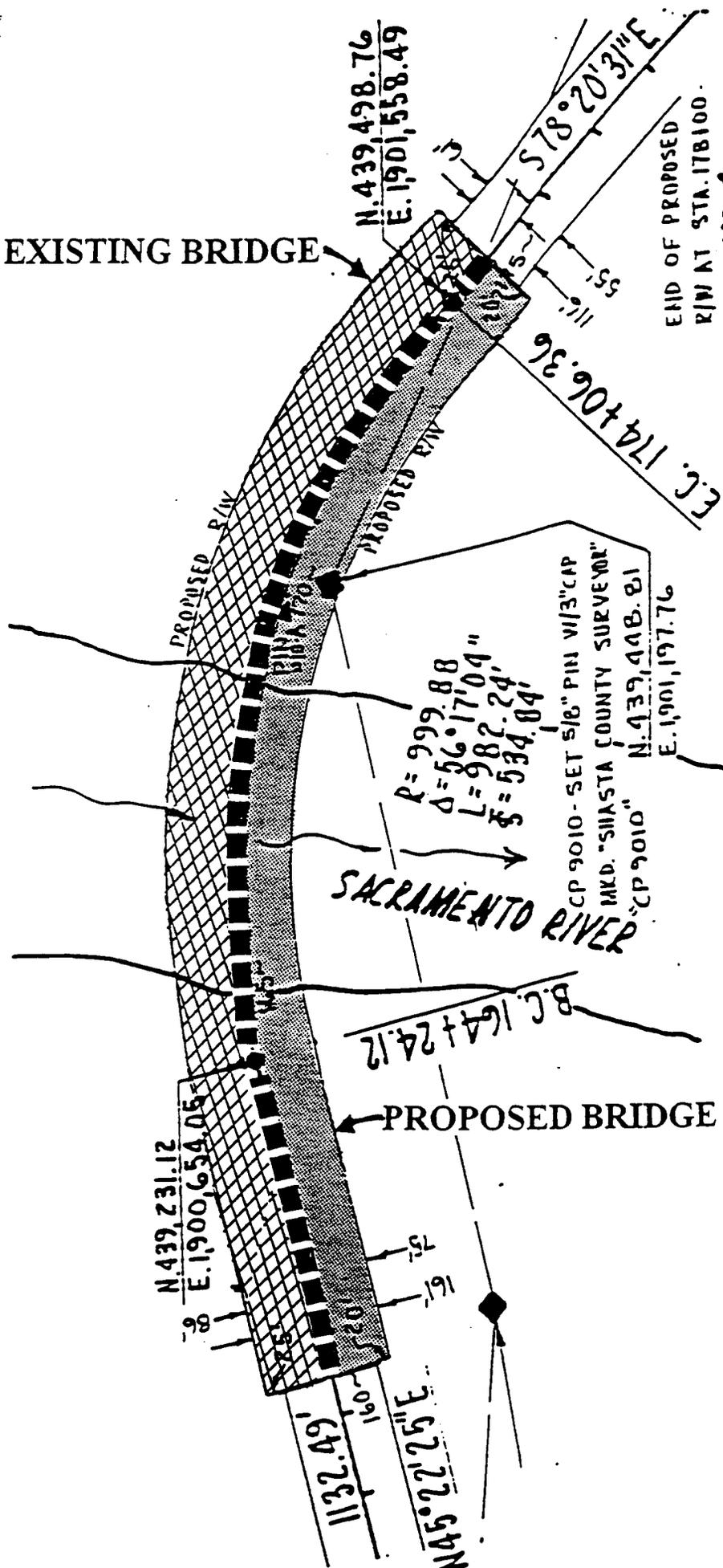
AUTHORIZATION:

1. AUTHORIZE THE TERMINATION OF GENERAL PERMIT - PUBLIC AGENCY USE, NO. PRC 5213.9, EFFECTIVE FEBRUARY 1, 1997.

2. AUTHORIZE THE ISSUANCE TO THE CITY OF REDDING FOR A 25-YEAR GENERAL LEASE - RIGHT OF WAY USE BEGINNING FEBRUARY 1, 1997; IN CONSIDERATION OF THE PUBLIC USE AND BENEFIT WITH THE STATE RESERVING THE RIGHT AT ANY TIME TO SET A MONETARY RENTAL IF THE COMMISSION FINDS SUCH ACTION TO BE IN THE STATE'S BEST INTEREST; FOR AN EXISTING TWO-LANE BRIDGE AND A NEW TWO-LANE BRIDGE WITHIN THE SAME RIGHT OF WAY; ON THE LAND DESCRIBED ON EXHIBIT "A" ATTACHED AND BY REFERENCE MADE A PART HEREOF.

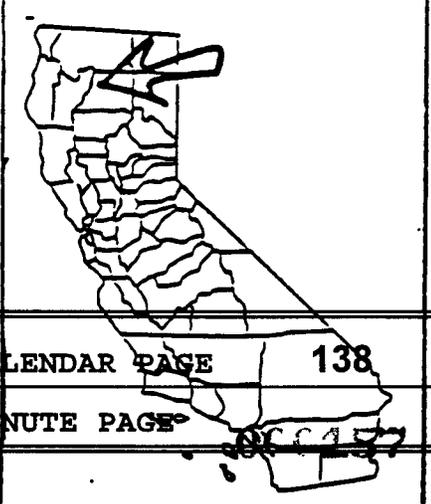
This Land description is solely for purposes of generally defining the lease premises, and is not intended to be, nor shall it be construed as, a waiver or limitation of any State interest in the subject or any other property.

EXISTING BRIDGE



RECORD OF SURVEY
 OF THE CENTERLINE OF
 SOUTH BONNYVIEW RD. (CO. RD. 36100)
 IN THE UNINCORPORATED TERRITORY OF
 SHASTA COUNTY
 IN SECTIONS 22 & 23 OF THE P.B. READING
 GRANT AND SECTION 18, T. 31 N., R. 4 W., M.D.M.
 BY AND FOR
 SHASTA COUNTY DEPT. OF PUBLIC WORKS
 SCALE 1"=200' OCTOBER, 1975

EXHIBIT A
W 25369



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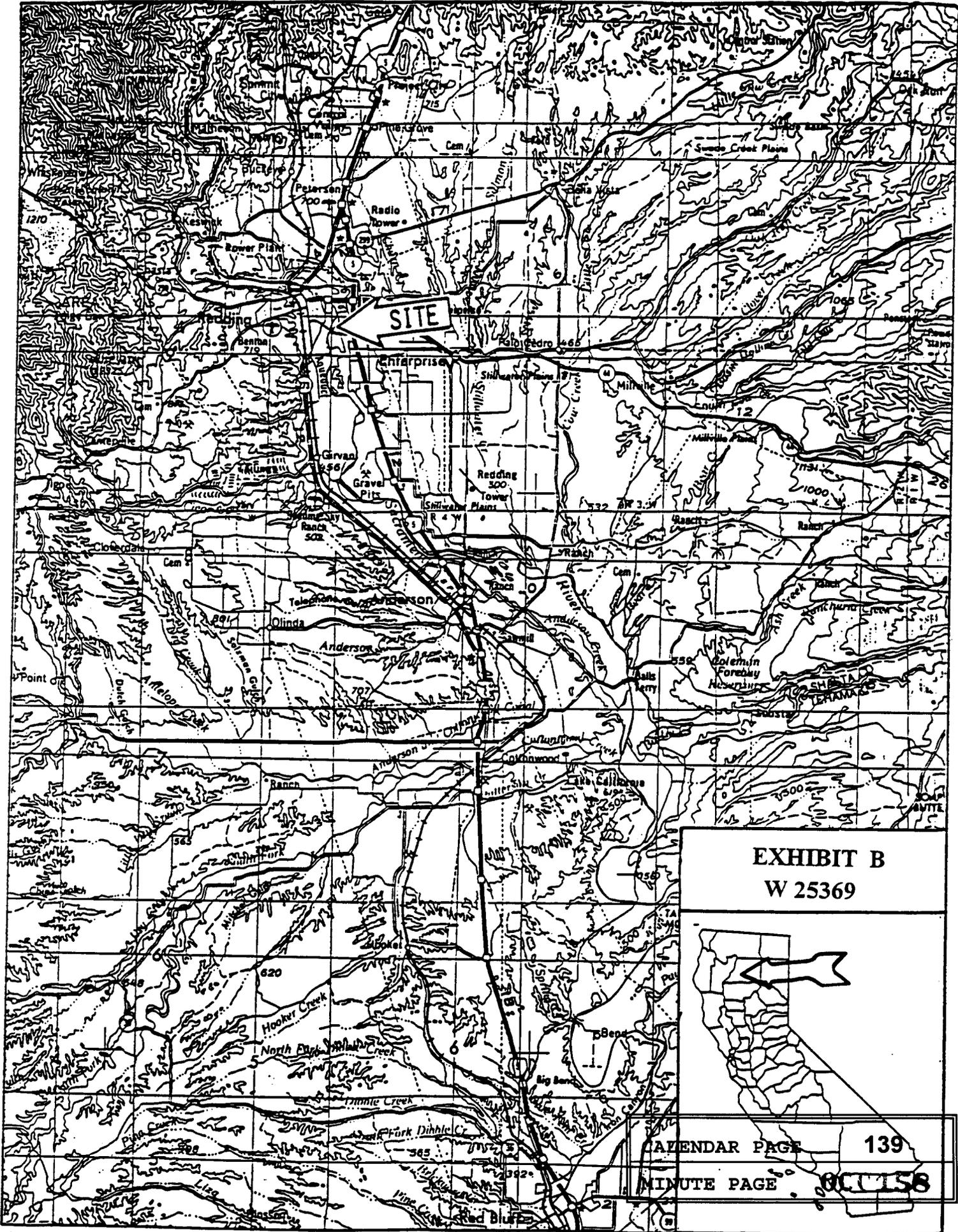


EXHIBIT B
W 25369



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RRA RESOLUTION NO. 97-2

A RESOLUTION OF THE REDDING REDEVELOPMENT AGENCY FINDING THAT MITIGATED NEGATIVE DECLARATION ED-2-96 ADEQUATELY ADDRESSES THE ENVIRONMENTAL IMPACTS OF THE SOUTH BONNYVIEW BRIDGE EXPANSION PROJECT; AND ADOPTING A MITIGATION MONITORING PROGRAM FOR THE PROJECT.

WHEREAS, as Lead Agency, the Redding Redevelopment Agency (the "Agency") has prepared a Mitigated Negative Declaration on the proposed expansion of the South Bonnyview Bridge (the "Project") pursuant to the California Environmental Quality Act (Public Resources Code Section 21000 et seq.: "CEQA"); and

WHEREAS, the Agency transmitted for filing a Notice of Completion of the Draft Mitigated Negative Declaration and thereafter in accordance with CEQA forwarded the Draft Mitigated Negative Declaration to the State Clearinghouse for distribution to those State agencies which have discretionary approval or jurisdiction by law over natural resources affected by the Project, and to other interested persons and agencies, and sought the comments of such persons and agencies; and

WHEREAS, notice to all interested persons and agencies inviting comments on the Draft Mitigated Negative Declaration was published in accordance with the provisions of CEQA; and

WHEREAS, the Mitigated Negative Declaration was thereafter revised and supplemented to adopt changes suggested, to incorporate comments received during the public review period pursuant to CEQA, and to incorporate the Agency's responses to said comments; and

WHEREAS, on December 12, 1996, at a special meeting, the Agency considered the information contained in the Mitigated Negative Declaration and all comments and responses thereto prior to approving the Mitigated Negative Declaration and authorizing development of the project.

NOW, THEREFORE, BE IT RESOLVED by the Redding Redevelopment Agency as follows:

1. The Agency hereby finds that ED-2-96 adequately addresses the environmental impacts of the South Bonnyview Bridge Expansion Project, and that changes or alterations have been incorporated into said Project which mitigate or avoid the significant environmental effects thereof as identified in ED-2-96. Based upon the foregoing, the Agency finds and determines that the Project will not have a significant effect upon the environment.

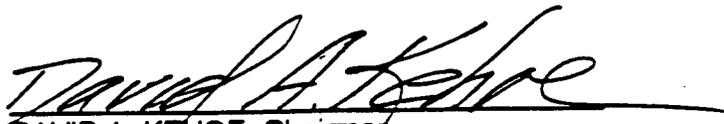
2. The Agency hereby adopts the Mitigation Monitoring Program set forth in Exhibit "A" attached hereto and incorporated herein by this reference.

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EXHIBIT "C"

I HEREBY CERTIFY that the foregoing Resolution was introduced and read at a regular meeting of the Redding Redevelopment Agency on the 20th day of January, 1997, and was duly adopted at said meeting by the following vote:

AYES: AGENCY MEMBERS: Pat Anderson, Robert Anderson, Ken Murray, David Kehoe
NOES: AGENCY MEMBERS: None
ABSENT: AGENCY MEMBERS: None
ABSTAIN: AGENCY MEMBERS: None



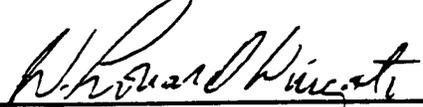
DAVID A. KEHOE, Chairman
Redding Redevelopment Agency

ATTEST:



PHILLIP A. PERRY, Secretary

FORM APPROVED:



W. LEONARD WINGATE, City Attorney

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EXHIBIT "C"

SOUTH BONNYVIEW BRIDGE EXPANSION MITIGATION MONITORING PROGRAM

The South Bonnyview Bridge expansion project Mitigation Monitoring Program (Program) was prepared in accordance with Section 21081.6 of the California Environmental Quality Act. The program identifies significant impacts and mitigation measures by issue which were specified as part of the negative declaration. This section also expands on all impacts and subsequent mitigation measures determined appropriate to reduce the impacts to levels less

than significant. In order to ensure completeness, all significant impacts are identified and described. It should be noted, however, that many of the mitigation measures address more than one impact. Where this is the case, such a mitigation measure need only be implemented once in order to address all of the impacts where it was identified, rather than separately for each impact.

EXHIBIT "D"

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ISSUE: Geology and Soils

IMPACT

Increased Soil Erosion and Sedimentation During Project Construction. Implementing the project would increase soil erosion and sedimentation during construction. Construction activities would expose disturbed and loosened soils to the elements, which would increase the potential for wind and water erosion. Increased wind and water erosion and downstream sedimentation would occur if any soil were left exposed during late winter and early spring (i.e., periods of high precipitation). Improperly controlled runoff may also cause erosion and piping of fill materials, thus leading to subsequent failure of the fills and additional sediment loading of the Sacramento River which may adversely affect salmon spawning gravels or water quality. Substantial erosion or siltation leading to substantial impairment of spawning habitat for fish would be considered a significant adverse environmental effect.

MITIGATION MEASURE(S)

Prepare and Implement an Erosion and Sediment Control Plan. The contractor will prepare and implement an erosion and sediment control plan for all features and stages of the project before grading begins. This plan would control short- and long-term erosion and sedimentation. General features of the plan would include, but would not be limited to, the following:

- ▶ Removal of vegetation on the banks of the river. This will involve cutting the trees at the base; however, the stumps will not be removed so as not to disturb the soil.
- ▶ Revegetation and stabilization of disturbed soils. Reseeding and mulching work will be completed by October 1 of any year following grading. If erosion-control practices are not installed by October 1 of any year following grading, exposed soils

may require additional treatment following seasonal rains and subsequent erosion.

- ▶ Interceptor ditches to direct water away from the tops of cut-and-fill slopes.
- ▶ Small sediment catchment basins or traps to prevent sediment from being transported away from development sites. The location and size of these basins will be designed to minimize any impacts on riparian areas and wet areas. Types of sediment traps to be considered include filter berms, straw-bale barriers, filter inlets, vegetative filter strips, and culvert risers.
- ▶ Details regarding seed material, fertilizer, and mulching. The seed material will include native plant species and be approved by a revegetation specialist or erosion-control specialist.

The site-specific, detailed features of the erosion and sediment control plan will be incorporated into the construction contract and specified on the alignment sheets and will include the following:

- ▶ Other than cutting tree tops to reduce vegetation height, vegetation on the east bank will not be disturbed below the bottom of excavation for the east abutment. No materials or soils will be allowed onto the bank. All work for the east abutment will be done from above so as not to disturb the remaining vegetation.
- ▶ Construct the project and rehabilitate disturbed areas to a uniformly high standard along the entire length of the project alignment, regardless of land ownership (i.e., private, local, state, or federal).
- ▶ Restore original contours unless otherwise directed by a geotechnical engineer.

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- ▶ Salvage, protect, and utilize the highest quality soil for revegetation.
- ▶ Provide erosion and sediment control as required.

The following will be used by the contractor as a guide to develop a final plan:

- ▶ Inform all supervisory construction personnel of environmental concerns, pertinent laws and regulations, and final rehabilitation specifications and design.
- ▶ Enforce environmental protection measures in the field during construction.
- ▶ Confine all vehicular traffic associated with construction to the right-of-way or designated access roads.
- ▶ Limit disturbance to the minimum necessary to efficiently complete construction activities.
- ▶ Clear steep slopes only when construction is scheduled.
- ▶ Salvage topsoil only when the soil exhibits good tilth and is moderately dry.
- ▶ Leave gaps in the spoil pile at drainages to accommodate surface runoff.
- ▶ Minimize disturbance of drainage channels.
- ▶ Ensure that channels are not blocked with graded material.
- ▶ Direct any necessary trench dewatering onto stable surfaces in a manner that does not cause soil erosion.
- ▶ Use bales or silt fences where appropriate.

- ▶ Leave replaced topsoil in as roughened a condition as possible (i.e., clods) until it is seeded and stabilized to discourage wind erosion (additional stabilization may be required on slopes, in drainages, and near watercourses).

The contractor will develop the plan in cooperation with the State Lands Commission, Department of Fish and Game, and other state/federal agencies with jurisdiction. Mitigation measures for bank restoration and revegetation would be included as conditions of the Streambed Alteration Agreement pursuant to Sections 1600-1606 et seq. of the Fish and Game Code.

MONITORING AGENCY OR PERSON

City of Redding Public Works Director

IMPLEMENTATION

Party: Project Construction Contractor under contract with City of Redding.

Start: When project contract is awarded.

Complete: After construction and after the first winter following construction (March 31).

Monitoring

Period: With award of contract and at the end of the first winter following construction (March 31).

MITIGATION COMPLETED

Name: _____
Public Works Director

Date: _____

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ISSUE: Water Quality

IMPACT

Increased Turbidity and Suspended Sediment During Construction. Implementation of the proposed project would increase turbidity and total suspended solids during construction in the river. Construction activities such as pile driving could result in short-term temporary increases in turbidity and suspended solids concentrations in the water column, possibly violating the Central Valley Regional Water Quality Control Board's (CVRWQCB) basin plan objectives for turbidity and possibly covering salmon redds downstream of the construction area. This would be considered a significant adverse environmental effect.

MITIGATION MEASURE(S)

Ensure Turbidity Increases Do Not Exceed Permitted Levels per *Waste Discharge Requirements for City of Redding South Bonnyview Bridge Expansion Construction Project.* To avoid or minimize potential impacts on winter-run chinook salmon related to increased turbidity and sedimentation, the Contractor shall consult with the Central Valley Regional Water Quality Control Board (CVRWQCB) regarding a Section 401 water quality permit, file an application for and compliance with a waste discharge permit, and comply with the monitoring and reporting requirements for project construction.

Installation of all cofferdams shall be completed no later than June 30 of the construction year. If work on the cofferdams will not be completed by June 30, the contractor must notify the City and the National Marine Fisheries Service (NMFS) as additional restrictions may be

imposed regarding operating hours for the protection of juvenile salmon.

Increases in turbidity shall not exceed the following limits (except* as provided):

- ▶ 20 percent when background turbidity is between 0 and 50 NTUs (see *Exception*).
- ▶ 10 NTUs when background turbidity is between 50 and 100 NTUs.
- ▶ 10 percent when background turbidity is greater than 100 NTUs.

*Exception: During construction of cofferdams, sumps, or other dewatering structures or temporary diversions of natural flows, and increase in turbidity over background levels may be allowed per Water Discharge Permit as issued by the CVRWQCB.

MONITORING AGENCY OR PERSON

City of Redding Public Works Director

IMPLEMENTATION

Party: Project Construction Contractor under contract with the City of Redding.

Start: With award of project.

Complete: After construction and after the first winter following construction (March 31).

Monitoring

Period: With design and at the end of the first winter following construction (March 31).

MITIGATION COMPLETED

Name: _____
Public Works Director

Date: _____

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ISSUE: Plant Life

IMPACT

A valley elderberry longhorn beetle (VELB) and botanical field study was prepared for the proposed project by ENPLAN, Environmental Scientists and Planners in May 1996. Through the study, it was determined that project implementation will result in avoidance of all elderberry bushes; therefore, no mitigations for impacts to VELB habitat will be implemented. However, an unavoidable loss of other biological resources present in the study site would occur. Loss and/or disturbance of Great Valley valley oak riparian forest (0.2 acres and 1.1 acres for a total of 1.3 acres), and interior live oak/valley oak forest (0.1 acres), would be considered a significant adverse environmental effect.

The following mitigation measures will reduce the environmental impacts to less than significant.

MITIGATION MEASURE(S)

Fully Compensate for Losses of Riparian Forest Vegetation and Interior Live Oak/Valley Oak Forest. The contractor will fully compensate for losses of riparian forest and interior oak forest at a minimum ratio of 2:1 as requested by DFG to fully mitigate the resources eliminated by the project achieving a no-net loss of function and value. Total planting area will be 2.8 acres.

Some of the mitigation planting must take place on the site, particularly within areas of construction disturbance which are appropriate for revegetation. Per the Habitats Mitigation and Monitoring Plan (North State Resources, October 1996), mitigation for losses of .22 acre of Great Valley valley oak riparian forest and .13 acre of the interior oak forest revegetation must be located at the Diestelhorst Bridge botanical mitigation site. Other options, in addition to siting the balance of the required mitigation within the project site, include

mitigation plantings in the non-native grassland adjacent to the boat launch parking lot.

For mitigation outside the Diestelhorst Bridge botanical mitigation site, the contractor will prepare a detailed mitigation and monitoring plan in consultation with the City, DFG, and U.S. Fish and Wildlife Service (USFWS). The mitigation plan shall specify:

- ▶ A design that retains the continuity of the mixed riparian woodland with adjacent communities along the Sacramento River.
- ▶ The plant species to be planted.
- ▶ Planting locations.
- ▶ Planting density.
- ▶ Cultural practices to ensure survival and growth of species.

The mitigation plan should also include a monitoring plan that specifies:

- ▶ Monitoring frequency.
- ▶ Success criteria.
- ▶ Remedial measures that will be enacted if criteria are not met.

Avoid and Minimize Losses of Riparian Vegetation. The contractor will avoid and minimize losses of mixed riparian habitat with the following procedures:

- ▶ If silt basins are used, they will be constructed in the non-native grassland adjacent to the boat launch parking lot or other nonsensitive area rather than within the sensitive forest communities.
- ▶ To minimize disturbance within forested portions of the right-of-way, construction fencing will be used to preclude accidental entry into those areas not planned for disturbance. Construction will occur only within the minimum width of the construction right-of-way as shown in the Environmental Determination.

- ▶ Protecting riparian vegetation not proposed for removal from inadvertent harm or

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mortality during the construction phase of the project.

MONITORING AGENCY OR PERSON

City of Redding Public Works Director
City of Redding Community Services Director

The City Community Services Director will ensure implementation of these measures. DFG should be responsible for monitoring the mitigation, which would continue for five years following mitigation implementation.

IMPLEMENTATION

Party: Project Engineer with City of Redding.

Start: With award of project.

Complete: Five years after construction.

Monitoring

Period: With design and five years after completion of construction.

MITIGATION COMPLETED

Name: _____
Public Works Director

Date: _____

Name: _____
Community Services Director

Date: _____

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ISSUE: Animal Life

IMPACT

Disturbance to Nesting Cliff Swallows and Barn Swallows under South Bonnyview Bridge. Implementing the project would disturb nesting cliff swallows and barn swallows under the bridge during construction. Cliff swallow nests were observed under the existing bridge during the site survey. Barn swallows could also nest under the bridge, although none were sited during the survey. Nesting cliff swallows and barn wallows are protected under the federal Migratory Bird Treaty Act.

MITIGATION MEASURE(S)

Discourage Nesting Cliff Swallows and Barn Swallows During Construction to Avoid and Minimize Disturbance. The City will ensure that the construction contractor makes every effort to avoid disturbing any nests from March 1 through August 31, during construction. The Public Works Director will be responsible for ensuring that this mitigation measure is implemented and monitored.

Until the contract has been awarded and the contractor can take over, the City will implement one of the following measures to reduce the impacts to levels less than significant:

- ▶ Remove all empty nests before the colony returns to the site. The nests should be removed by washing them down with water or knocking them down with a pole and scraper in March when the nests are inactive. Swallows are strongly attracted to old nests or to the remnants of deteriorated nests, so all traces of mud should be removed. Inspection and removal must be done weekly from early March through August to effectively discourage nesting.
- ▶ If weekly inspection and removal are inappropriate for this project, netting the undersides of the bridge would be another option. Remove the nests as described above. To prevent swallows from returning to nest under the bridge, cover the concrete undersides with 1/2- to 3/4-inch mesh plastic net or poultry wire in March before construction. The netting should be securely anchored to the sides so that no openings are present where swallows might enter. The netting should extend 3 to 4 inches from the sides of the bridge so that the swallows cannot attach their nests to the net and bridge. The netting should be monitored to ensure its continued integrity. If swallows begin building nests under the bridge, the nests can be washed down before egg laying begins.

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MONITORING AGENCY OR PERSON

City of Redding Public Works Director

IMPLEMENTATION

Party: Project Engineer with City of Redding and Project Construction Contractor under contract with City of Redding.

Start: March 1 of the construction year.

Complete: August 31 or after construction, whichever comes sooner.

Monitoring Period: March 1 to August 31.

MITIGATION COMPLETED

Name: _____
Public Works Director

Date: _____

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ISSUE: Animal Life

IMPACT

Potential Loss of Raptor Nests. Implementing the project could result in the loss of raptor nests during construction. Raptors such as red-shouldered hawks could nest in the project area. Although no nest trees were identified in field surveys for this project and human activities in the area discourage raptors from nesting, active nests may be located in the project area before construction begins.

MITIGATION MEASURE(S)

Identify, Avoid, and Protect Active Raptor Nests in the Area of Potential Effect (APE), and Obtain the Approval of DFG before Removing Nest Trees. Prior to Construction, the contractor will hire a qualified biologist to conduct a preconstruction field survey to determine the presence of nesting raptors.

If a raptor nest is found, the contractor should implement one of the following measures:

- ▶ Maintain buffers around raptor nest sites while they are occupied. The radius of the buffer will vary depending on the raptor species occupying the nest and will be determined by the City in consultation with DFG. Buffer zones should be protected by fences along their perimeters.

- ▶ If removal of a nest tree is required, consult with DFG; removal of a nest tree may constitute a violation of California Fish and Game Code Section 3503.5. Any nest trees removed should be replaced on site with like varieties.

MONITORING AGENCY OR PERSON

City of Redding Public Works Director

IMPLEMENTATION

Party: Project Construction Contractor under contract with City of Redding.

Start: Prior to construction.

Complete: After construction.

Monitoring

Period: During construction.

MITIGATION COMPLETED

Name: _____
Public Works Director

Date: _____

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ISSUE: Animal Life

IMPACT

Degradation of Chinook Salmon Habitat from Increased Turbidity and Suspended Sediment During Project Construction. Implementing the project would increase turbidity and suspended sediment during construction. Construction activities that disturb the streambed or banks would temporarily increase suspended sediment loads and turbidity; longer-term impacts would include sedimentation.

MITIGATION MEASURE(S)

Ensure Turbidity Increases Do Not Exceed 20 Percent of Natural Turbidity Levels. See Water Quality under "Impact: Increased Turbidity and Suspended Sediment During Construction."

Prepare and Implement an Erosion and Sediment Control Plan. See Soils and Geology under "Impact: Increased Soil Erosion and Sedimentation During Project Construction."

To the extent practicable, placement of in-water structures and dewatering to allow access shall occur no later than June 30, 1997.

Removal of in-water structures shall occur after September 15, 1997.

MONITORING AGENCY OR PERSON

City of Redding Public Works Director

IMPLEMENTATION

Party: Project Engineer with City of Redding and Project Construction Contractor under contract with the City of Redding.

Start: Prior to construction.

Complete: After construction and after the first winter following construction (March 31).

Monitoring

Period: With commencement of project construction.

MITIGATION COMPLETED

Name: _____
Public Works Director

Date: _____

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ISSUE: Animal Life

IMPACT

Loss of Rearing Habitat for Chinook Salmon from Loss of Riparian Vegetation. Implementing the project would result in the temporary to permanent loss of shoreline riparian vegetation. Riparian vegetation creates favorable near-shore rearing habitat for winter-run chinook salmon and other salmonids by providing in-stream and overhead cover and a source of food (i.e., terrestrial insects).

MITIGATION MEASURE(S)

Avoid and Minimize Losses of Riparian Vegetation. See Plant Life mitigations, pages 5 and 6.

MONITORING AGENCY OR PERSON

City of Redding Public Works Director
City of Redding Community Services
Director

IMPLEMENTATION

Party: Project Construction Contractor under contract with City of Redding.

Start: Prior to construction.

Complete: End of construction.

Monitoring

Period: During construction.

MITIGATION COMPLETED

Name: _____
Public Works Director

Date: _____

Name: _____
Community Services Director

Date: _____

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ISSUE: Noise

IMPACT

Exposure of Noise-Sensitive Land Uses to Construction Noise. Implementing the project would temporarily expose noise sensitive land uses to construction noise during project construction. The types of construction equipment used for this project would typically generate noise levels of 80-94 dBA at a distance of 50 feet while the equipment is operating. Peak noise levels of 95 to 105 dBA could be generated by pile driving for piers. This would be a significant adverse environmental effect.

MITIGATION MEASURE(S)

Employ Noise-Reducing Construction Practices. The City will incorporate the following noise-reducing practices into the construction contract which will be the responsibility of the contractor:

- ▶ Restrict construction within 1,000 feet of residences to daytime hours. No construction shall be performed within 1,000 feet of an occupied dwelling unit on Sundays, legal holidays, or between the hours of 10 p.m. and 7 a.m. on other days. Any variance from this condition must be approved by the City of Redding.
- ▶ All equipment shall have sound-control devices no less effective than those provided on the original equipment. No equipment shall have an unmuffled exhaust.
- ▶ No pile-driving or blasting operations shall be performed within 3,000 feet of an occupied dwelling unit on Sundays, legal holidays, or between the hours of 8 p.m. and 7 a.m. on other days. Any variance from this condition must be approved by the City of Redding.

- ▶ The noise from any rock-crushing or screening operations performed within 3,000 feet of any occupied dwelling unit shall be mitigated by strategic placement of material stockpiles between the operation and the affected dwelling or by other means approved by the project manager.
- ▶ As directed by the City of Redding, the contractor shall implement appropriate additional noise mitigation measures including, but not limited to, changing the location of stationary construction equipment, shutting off idling equipment, rescheduling construction activity, notifying adjacent residents in advance of construction work, or installing acoustic barriers around stationary construction noise sources.

MONITORING AGENCY OR PERSON

City of Redding Public Works Director

IMPLEMENTATION

Party: Project Engineer with City of Redding and Project Construction Contractor under contract with the City of Redding.

Start: During construction.

Complete: After construction.

Monitoring

Period: During construction.

MITIGATION COMPLETED

Name: _____
Public Works Director

Date: _____

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ISSUE: Aesthetics

IMPACT

Creation of Disturbed Areas on the East and West Banks and Loss of Tree Line Along the West Approach to the Bridge. Implementing the project would disturb vegetated areas on the east and west bank of the river. Areas considered disturbed are bare 1:1 embankment slopes, areas cleared or disturbed for construction equipment, abandoned dirt and paved roads, and areas where trees are removed. These areas are viewed by highway users and highway neighbors, who would experience decreased visual quality. Viewer response to this decrease in quality would likely be negative. Additionally, removing vegetation in the parkway would conflict with community goals.

MITIGATION MEASURES(S)

- ▶ **Preserve Trees on West Approaches.** The City, in conjunction with the construction team, will preserve trees on the west bridge approach when possible.

When tree preservation is impossible, the trees to be removed should be clearly flagged by the City of Redding, and the construction contractor should be clearly instructed to remove only flagged trees.

- ▶ **Replant Trees in All Disturbed Areas.** The City will replant trees in all disturbed areas. Disturbed areas include bare embankment slopes, areas cleared or disturbed for construction equipment, and abandoned dirt and paved roads.

Removal of vegetation, when necessary, should be accomplished by scraping and cutting and not by grubbing if feasible. This will encourage roots to re-sprout.

All replacement vegetation should be irrigated and should consist of native riparian plant species.

- ▶ Minimize Losses of Riparian Vegetation.
- ▶ Fully Compensate for Losses of Riparian Vegetation at a Ratio of 2:1.

MONITORING AGENCY OR PERSON

City of Redding Public Works Director
City of Redding Community Services Director

IMPLEMENTATION

Party: Project Engineer with City of Redding and Project Construction Contractor under contract with City of Redding.

Start: With construction.

Complete: Five years after construction.

Monitoring

Period: With start of construction and within five years after completion of construction.

MITIGATION COMPLETED

Name: _____
Public Works Director

Date: _____

Name: _____
Development Services Director

Date: _____

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ISSUE: Recreation

IMPACT

Increased Risk of Boating Accidents During Bridge Construction. Implementing the project would increase the risk of boating and rafting accidents during bridge construction. During bridge construction, there will be construction equipment and activity in the river and around the bridge. This construction activity could distract and physically harm boaters in the construction area.

MITIGATION MEASURE(S)

Place Waterway Markers Warning Boaters and Rafters of the Potential Hazards Associated with Bridge Construction in the Area. Signs or buoys should be placed in accordance with the requirements specified in Title 14, Article 6 of the California Code of Regulations to warn boaters of the hazards caused by bridge construction across the river.

MONITORING AGENCY OR PERSON

City of Redding Public Works Director

IMPLEMENTATION

Party: Project Engineer with City of Redding and Project Construction Contractor under contract with City of Redding.

Start: Project construction.

Complete: After construction.

Monitoring

Period: During construction.

MITIGATION COMPLETED

Name: _____
Public Works Director

Date: _____

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ISSUE: Cultural Resources

IMPACT

Implementation of the proposed project constitutes an undertaking which could adversely affect cultural resources which might be located within the project area. In March 1996, an archaeological survey was conducted on both sides of the Sacramento River in order to locate and evaluate any cultural resources within the project area, in compliance with the California Environmental Quality Act (CEQA). The complete report is in the appendix of this document.

During this survey, a portion of site CA-SHA-266 was located within the Area of Potential Effect (APE). The APE encompasses an area along South Bonnyview Road between Bechelli Lane and Indianwood Drive and is approximately 1,900 feet long and from 75 to 100 feet wide. The Sacramento River bisects the APE, with the west side of the project area on a relatively flat broad flood plain and the east side atop a steep-sided bluff. Elevation within the APE ranges from approximately 430 feet at the river's edge to approximately 520 feet on the bluff.

A portion of CA-SHA-266 extends into the southern edge of the APE on the east side of the river. A series of small test units were excavated within this area to assess the extent of the site. Although cultural material was recovered in limited quantities from almost all units, further archaeological excavation is not recommended at CA-SHA-266. The site boundary in this area is not precisely defined, but the site lies along the top of the existing cutbank from the entrance road to the Eagle Court building. Archaeological mitigation was implemented on this site prior to the construction of the Eagle Court building, and the remainder of the main portion of this site is preserved under the Eagle Court building and the adjacent parking lot. Therefore, no further archaeological excavation is recommended at CA-SHA-266 at this time. This would be

considered a significant adverse environmental effect.

MITIGATION MEASURE(S)

Archaeologist and Native American Monitor Present During Initial Disturbance. A professional archaeologist and a Native American monitor should be present during initial ground disturbance and excavation of the cutbank from the entrance road to Eagle Court to the west approximately 450 feet. "Initial ground disturbance," is defined as the first ten vertical feet of cut into the existing bank for the full width of the cut. The archaeologist will work with the contractor to allow for reasonable progress in the excavation while he/she is also able to systematically examine the cutbank and the excavated material to check for the presence of significant cultural resources and/or human burials. Although such materials are not expected based on the knowledge of the site to date, should such materials be identified, contractor will be required to stop work until proper mitigation can be conducted.

Report Submitted to Northeast Center of the California Historic Resources Information System (NE/CHRIS). Following completion of the archaeological monitoring, a brief report will be prepared for submittal to NE/CHRIS to be included in the CA-SHA-266 file.

MONITORING AGENCY OR PERSON

City of Redding Public Works Director
City of Redding Development Services
Director

IMPLEMENTATION

Party: Project Engineer with City of Redding and Project Construction Contractor under contract with City of Redding.

Start: Project construction.

Complete: After construction.

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Monitoring

Period: During construction.

MITIGATION COMPLETED

Name: _____
Public Works Director

Name: _____
Development Services Director

Date: _____

Date: _____

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