

## PROJECT SCOPE SUMMARY REPORT

### Seismic Retrofit of 11 Bridges

#### Request for programming in the 2012 SHOPP

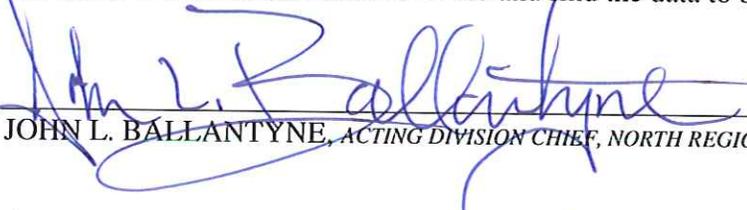
##### ON ROUTES 80 AND 174 IN PLACER COUNTY

Douglas Blvd. OC (BR.19 0079), Gilardi Road OC (BR.19 00101), Newcastle UP (BR.19 0103), West Auburn UP (BR.19 0045), South Long Ravine UP (BR.19 0087), North Long Ravine UP (BR.19 0088), South Yuba River (BR.19 0124L), South Yuba River (BR.19 0119L) and Colfax OH (BR.19 0055),

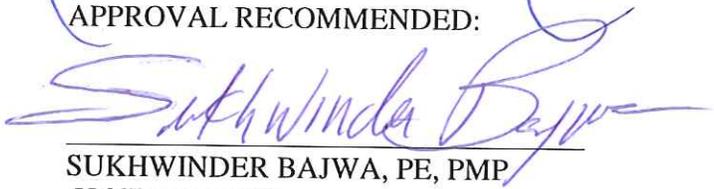
##### ON ROUTES 20 AND 89 IN NEVADA COUNTY

Idaho-Maryland Road UC (BR.17 0079S) and Prosser Creek (BR.17 0078)

I have reviewed the right of way information contained in this Project Scope Summary Report and the R/W Data Sheet attached hereto and find the data to be complete, current and accurate:

  
JOHN L. BALLANTYNE, *ACTING DIVISION CHIEF, NORTH REGION RIGHT OF WAY*

APPROVAL RECOMMENDED:

  
SUKHWINDER BAJWA, PE, PMP  
*PROJECT MANAGER*

APPROVED:

  
JODY E. JONES, *DISTRICT DIRECTOR*

  
DATE



**ON ROUTE 80 & 174 IN PLACER AND ROUTE 20 & 89 IN NEVADA COUNTIES**  
 Douglas Blvd. OC (BR.19 0079), Gilardi Road OC (BR.19 00101), Newcastle UP (BR.19 0103),  
 West Auburn UP (BR.19 0045), South Long Ravine UP (BR.19 0087), North Long Ravine UP  
 (BR.19 0088), South Yuba River (BR.19 0124L), South Yuba River (BR.19 0119L) Colfax OH  
 (BR.19 0055), Idaho-Maryland Road UC (BR.17 0079S) & Prosser Creek (BR.17 0078)

03-PLA-80 & 174 / NEV-20 & 89  
Program Code: 20.10.201.113  
03-3F050  
October 2011

This Project Study Report has been prepared under the direction of the following Registered Engineer. The registered Civil Engineer attests to the technical information contained therein and has judged the qualifications of any technical specialists providing engineering data upon which recommendations, conclusions and decisions are based.

*Olawale Ajayi*

\_\_\_\_\_  
Olawale Ajayi  
REGISTERED CIVIL ENGINEER

*11 - 09 - 2011*

\_\_\_\_\_  
DATE



## 1. INTRODUCTION

The purpose of this project is the Seismic Retrofit of eleven (11) Bridges at various locations on Routes 80 and 174 in Placer County and Routes 20 and 89 in Nevada County. These bridges have been identified by the Structure Maintenance and Investigations Unit to be due for Seismic Retrofit and need to be brought up to current seismic codes and standards so that they may adequately perform in the event of an earthquake. Some of these bridges were built in 1908 and have been in service for over one hundred years, the most recently built were in 1947 and are over sixty years old.

Interstate 80 is a major route that runs in California from its western limits in the San Francisco Bay area to the eastern California/Nevada border. It is a multilane freeway that serves regional, interregional, commercial, commuter and recreational traffic to the east and to the Sierra Nevada Mountains for winter and summer activities. Routes 174 in Placer county and 20 and 89 in Nevada Counties also serve commercial, recreational and regional and interregional traffic to and from the north region of the state.

The project scope of work is to perform Seismic Retrofit of eleven (11) Bridges at various locations on Routes 80 and 174 in Placer County and Routes 20 and 89 in Nevada County. The proposed seismic improvements will not change the existing geometrics. The cost estimate does not include improvements to the superstructures such as railing replacement. This Project Scope Summary Report (PSSR) is being prepared to identify scope, cost and schedule for programming the project.

### **Estimated Capital**

|                        |                       |
|------------------------|-----------------------|
| <b>Costs for 2011:</b> | <b>\$14.5 million</b> |
| <b>Structure:</b>      | <b>\$11.5 million</b> |
| <b>Roadway:</b>        | <b>\$2.5 million</b>  |
| <b>Right of Way:</b>   | <b>\$0.5 million</b>  |

|                         |                         |
|-------------------------|-------------------------|
| <b>Funding Source:</b>  | <b>2012 SHOPP</b>       |
| <b>Project Program:</b> | <b>20.10.201.113</b>    |
|                         | <b>Seismic Retrofit</b> |

### **PM Limits:**

#### **ON ROUTES 80 & 174 IN PLACER AND ROUTES 20 & 89 IN NEVADA COUNTIES**

Douglas Blvd. OC (BR.19 0079), Gilardi Road OC (BR.19 00101), Newcastle UP (BR.19 0103), West Auburn UP (BR.19 0045), South Long Ravine UP (BR.19 0087), North Long Ravine UP (BR.19 0088), South Yuba River (BR.19 0124L), South Yuba River (BR.19 0119L) Colfax OH (BR.19 0055), Idaho-Maryland Road UC (BR.17 0079S) & Prosser Creek (BR.17 0078)

**2. RECOMMENDATION**

It is recommended that the PSSR be approved so as to prevent a potential catastrophic failure of these bridges and preserve life and property in the event of a major earthquake.

**3. TRAFFIC DATA**

| <b>Table-1: Traffic Volumes</b><br>(2010 Traffic Volumes on California State Highways) |                        |  |                   |
|--|------------------------|--|-------------------|
| <b>Location Description</b>  | <b>Type of Roadway</b> | <b>Peak-Hour (for 2way both directions combined)</b> | <b>AADT</b>       |
| 03-PLA-174-PM 0.62   | 2 Lane -2 way          | 350 vph  | 4,950 vpd         |
| 03-Pla-80-PM 1.98/64.08  | Multilane              | 1,900 - 7,700 vph                                    | 1,650-158,000 vpd |
| 03-Nev-89-PM 4.87  | 2 Lane -2 way          | 300 vph  | 1,650 vpd         |
| 03-Nev-20-PM 13.61   | 2 Lane -2 way          | 5,200 vph  | 48,000 vpd        |

| <b>Table-2: Truck Volumes</b><br>(2009 Truck Volumes on California State Highways) |                      |                 |
|--|----------------------|-----------------|
| <b>Location Description</b>  | <b>Location</b>      | <b>% Trucks</b> |
| 03-PLA-174-PM 0.62   | COLFAX OH            | 1.57            |
| 03-Pla-80-PM 1.98/64.08  | Various              | 5.76-18.95      |
| 03-Nev-89-PM 4.87  | FROSSER CREEK UC     | 15.97           |
| 03-Nev-20-PM 13.61   | IDAHO MARYLAND RD UC | 12.68           |

**4. LOCATION, PROBLEMS AND PROPOSALS**

|              | <b>Co/Rt/PM</b>   | <b>Bridge #</b> | <b>Structure Name</b>   | <b>Scope of Work</b>  | <b>Cost Estimate</b> |
|--------------|-------------------|-----------------|-------------------------|---|----------------------|
| 1.           | Pla/80/<br>1.98   | 19 0079         | DOUGLAS BLVD OC         | Place steel casings around all columns.   | 256,000              |
| 2.           | Pla80/<br>12.3    | 19 0101         | GILARDI ROAD OC         | Place steel casings around all columns and retrofit both abutments.                                     | 818,000              |
| 3.           | Pla/80/<br>13.99  | 19 0103         | NEWCASTLE UP            | Retrofit main girder bearings.  | 30,000               |
| 4.           | Pla/80/<br>17.2   | 19 0045         | WEST AUBURN UP          | Enlarge and strengthen Piers 1 & 2 footings.  | 774,000              |
| 5.           | Pla/80/<br>35.11  | 19 0087         | SOUTH LONG RAVINE UP    | Strengthen Piers 1 & 2 footings. Retrofit main Girder bracings and bearings.                            | 1,020,000            |
| 6.           | Pla/80/<br>35.12  | 19 0088         | NORTH LONG RAVINE UP    | Build a new pre-stressed concrete catcher frame under the portion of the RR Bridge that spans Route 80. | 5,790,000            |
| 7.           | Pla/80/<br>R62.77 | 19 0124L        | SOUTH YUBA RIVER        | Retrofit both abutments.<br>Enlarge and strengthen all footings.  | 1,680,000            |
| 8.           | Pla/80/<br>R64.08 | 19 0119L        | SOUTH YUBA RIVER        | Retrofit both abutments.  | 328,000              |
| 9.           | Pla/174/<br>0.62  | 19 0055         | COLFAX OH               | Retrofit footings with top mat of steel.  | 440,000              |
| 10.          | Nev/20/<br>R13.61 | 17 0079S        | IDAHO-MARYLAND RD<br>UC | Place steel casings around both columns.  | 257,000              |
| 11.          | Nev/89/<br>4.87   | 17 0078         | PROSSER CREEK           | Retrofit both abutments.  | 149,000              |
| <b>TOTAL</b> |                   |                 |                         |   | <b>\$ 11,542,000</b> |

**5. COST ESTIMATES**

(See Attachment I for Detailed Estimate)

| <u>Does the Project Include?</u>   | <u>Yes/No</u>       | <u>Cost</u>                     |
|--|---------------------|---------------------------------|
| Mainline Shoulder (lanes and/or shoulders)   | <u>No</u>           |                                 |
| Bridge Widening and Rail Upgrade   | <u>No</u>           |                                 |
| Vertical Clearance Adjustment  | <u>No</u>           |                                 |
| Drainage Rehabilitation  | <u>No</u>           |                                 |
| (Pave inverts, Culvert Lining, Flared End Sections, etc.)  |                     |                                 |
| Pedestrian Facilities  | <u>No</u>           |                                 |
| <br><u>Safety</u>  | <br><u>Yes/No</u>   | <br><u>Cost</u>                 |
| Rumble Strip   | <u>No</u>           |                                 |
| Superelevation Correction  | <u>No</u>           |                                 |
| Vertical Alignment   | <u>No</u>           |                                 |
| Horizontal Alignment   | <u>No</u>           |                                 |
| Left/Right-Turn Storage/Widening/Lengthening   | <u>No</u>           |                                 |
| Signal Upgrade   | <u>No</u>           |                                 |
| Median Barrier   | <u>No</u>           |                                 |
| Metal Beam Guardrails  | <u>No</u>           |                                 |
| Roadside Cleanup   | <u>No</u>           |                                 |
| <u>Utility Relocation</u>  | <u>No</u>           |                                 |
| <u>Railroad Agreements</u>   | <u>No</u>           |                                 |
| <u>Traffic Control</u>   | <u>No</u>           |                                 |
| <u>Other: BMP &amp; Water Pollution Control</u>  | <u>No</u>           |                                 |
|  | <u>No</u>           |                                 |
| Hazardous Waste  | <u>Yes</u>          | \$ 30,000                       |
| Landscape  | <u>Yes</u>          | \$ 73,200                       |
| Traffic Items  | <u>Yes</u>          | \$ 1,503,200                    |
| <b>SUM OF SUBTOTALS</b>  |                     | <b>\$ 1,606,400</b>             |
|  | <b>Minor Items</b>  | \$ 150,320                      |
|  | <b>Mobilization</b> | \$ 165,352                      |
|  | <b>Supplemental</b> | \$ 165,352                      |
|  | <b>Contingency</b>  | \$ 248,028                      |
| <br><b>SUBTOTAL CONSTRUCTION COST</b>  |                     | <br><b><u>\$ 2,335,452</u></b>  |
| <br><u>Right of Way</u>  |                     | <br><u>\$ 530,000</u>           |
| (Temporary construction easements, Permit fees, Environmental mitigation,<br>Railroad involvement) |                     |                                 |
| <u>Structures</u>  |                     | <u>\$11,542,000</u>             |
| <br><b>TOTAL PROJECT CAPITAL OUTLAY COSTS</b>  |                     | <br><b><u>\$ 14,407,452</u></b> |

## 6. PROJECT SCHEDULE

| <b>HQ Milestones</b>                                      | <b>Delivery Date<br/>(Month, Day, Year)</b> |
|---|---|
| Begin Environmental Document                              | 07/01/2012                                  |
| Begin Project Report                                      | 07/01/2012                                  |
| PA & ED   | 01/15/2014                                  |
| Right of Way Maps   | 01/15/2014                                  |
| District Submits Bridge Site Submittal Data to Structures | 01/15/2014                                  |
| Regular Right of Way                                      | 07/01/2014                                  |
| District Plans & Estimates to DOE                         | 08/15/2015                                  |
| Draft Structures Plans, Specifications & Estimates        | 08/01/2015                                  |
| Project PS&E  | 11/15/2015                                  |
| Right of Way Certification                                | 01/15/2016                                  |
| Ready to List (RTL)                                       | 01/15/2016                                  |
| Headquarters Advertise (HQ AD)                            | 02/01/2016                                  |
| Approve Construction Contract                             | 05/01/2016                                  |
| Contract Acceptance (CCA)                                 | 10/01/2017                                  |
| End Project   | 10/01/2019                                  |

## **7. PROJECT FACTORS**

### Utility Involvement

Disturbance or relocation of Utility services is not expected within the project limits on this project.

### Right of Way:

The total estimated right of way cost is \$530,000 (See Attachment G – Right of Way Data Sheet).

### Railroad Involvement:

Union Pacific Railroad is the only railroad affected at five locations by this project. Right of entry, preliminary engineering service contract, service contract, flagging and C&M agreements may be required.

### Traffic Management:

A Transportation Management Plan (TMP) Data Sheet has been prepared for this project. The Data Sheet summarizes the lane closure requirements, traffic handling practices and other traffic mitigation strategies that will be implemented during construction. Costs associated with traffic impact migration measures listed in the TMP Data Sheet have been included in the cost estimate. (See Attachment F – Transportation Management Plan Data Sheet). The estimated total number of traffic controlling days is 200.

### Environmental Risk Assumptions:

Due to limited time and resources, the project scope and costs are preliminary. The seismic strategy and costs may change as more information is obtained. In order to identify environmental issues, constraints and resource needs, a mini-Preliminary Environmental Analysis Report (PEAR) was prepared for the project (see attachment C). More time was requested in the PEAR than can be given at this time. This has been identified as a project risk. This project is included in the one-time Categorical Exemption/Categorical Exclusion Determination for Seismic Retrofit projects.

## **8. PROJECT FUNDING**

The estimated cost for this year (2011) is \$14,500,000. The project escalated cost to year 2015 is estimated to be \$16,000,000. A detailed project cost estimate is given in Appendix I.

## 9. PROJECT PERSONNEL

### Project Personnel Contact information:

| <b>Name</b>       | <b>Title</b>  | <b>Phone No.<br/>Public/CALNET</b> |
|-------------------|---|------------------------------------|
| Winder Bajwa      | Project Manager                                       | (530) 741-4432                     |
| Chuck Laughlin    | Design M7 Branch Chief                                | (530) 741-5506                     |
| Olawale Ajayi     | Design M7 Project Engineer                            | ((530)741-4478                     |
| Tammy Massengale  | Environmental Senior                                  | (530) 741-4041                     |
| Donald Vaughan    | NR Office of Surveys                                  | (530) 634-7670                     |
| Tom Wood          | Engineering Services                                  | (530) 741-5381                     |
| Tom Chris Johnson | Landscape   | (530) 741-4436                     |
| Sergio Aceves     | Program Project Manager                               | (916) 788-3259                     |
| Heidi Sykes /     | District Coordinator Design &                         | (916) 825-2600                     |
| Jim Deluca        | Local Programs<br>North Region Project<br>Coordinator | (916) 653-4067                     |
| Patrick Bishop    | Office Engineer                                       | (530) 741-5331                     |
| Ann Murphy        | NR Construction Support                               | (530) 741-4381                     |
| Lee Ann Lambirth  | R/W North Region Project<br>Coordinator               | (530) 741-5140                     |
| Carlos Portillo   | NR Engineering-for Design<br>Reviewer                 | (530) 741-5461                     |
| Arshad Iqbal      | Traffic - TMP   | (530) 741-5411                     |
| Gary Blakesley    | Structures  | (916) 227-8461                     |
| David Catania     | Construction  | (530) 218-1752                     |

## 10. PROJECT REVIEWS

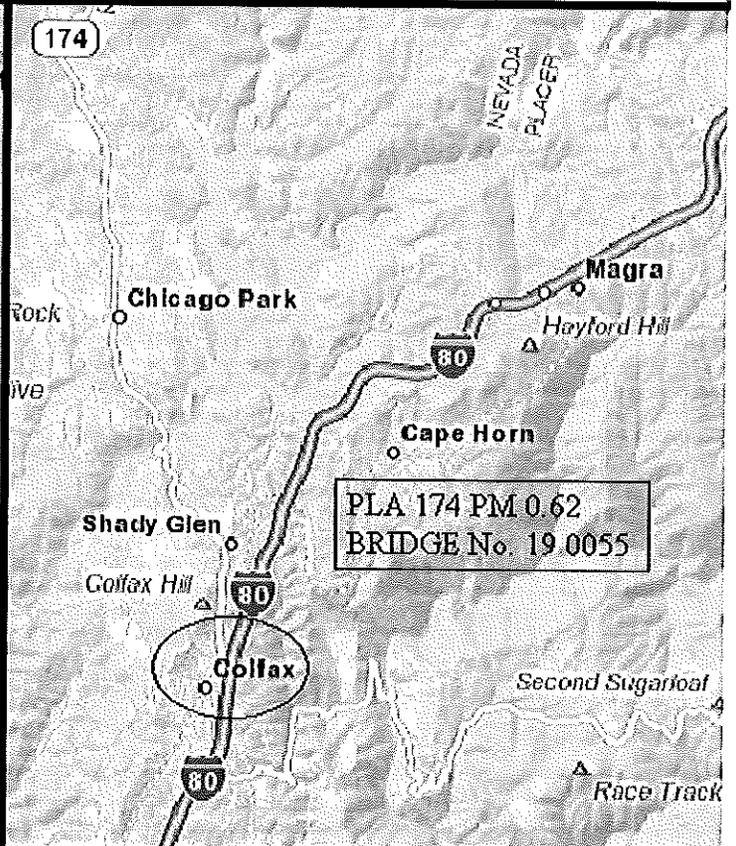
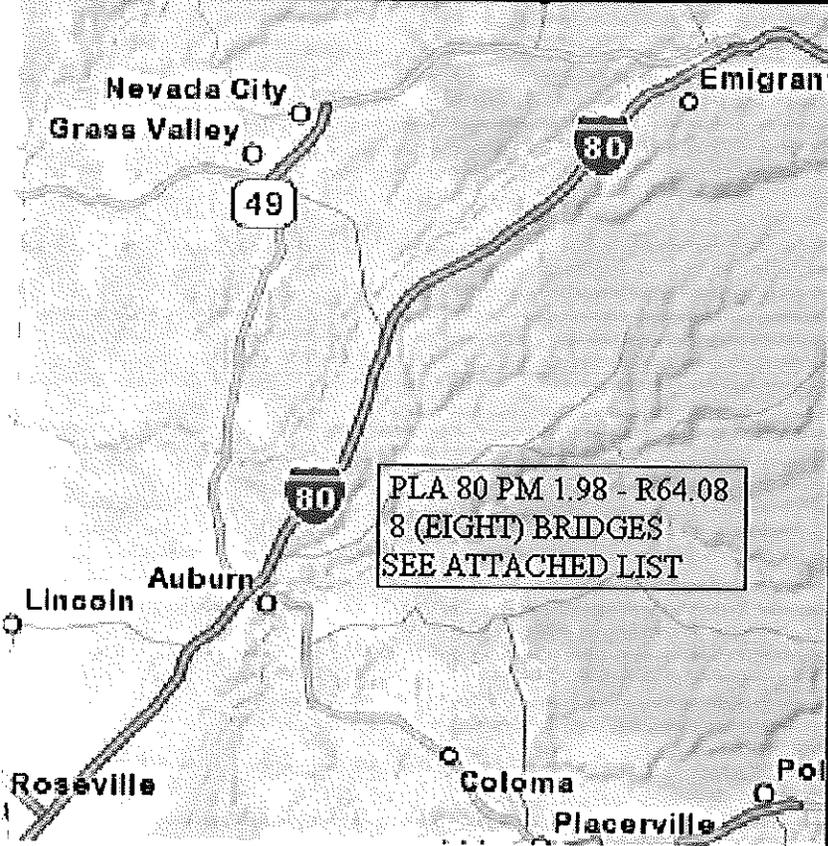
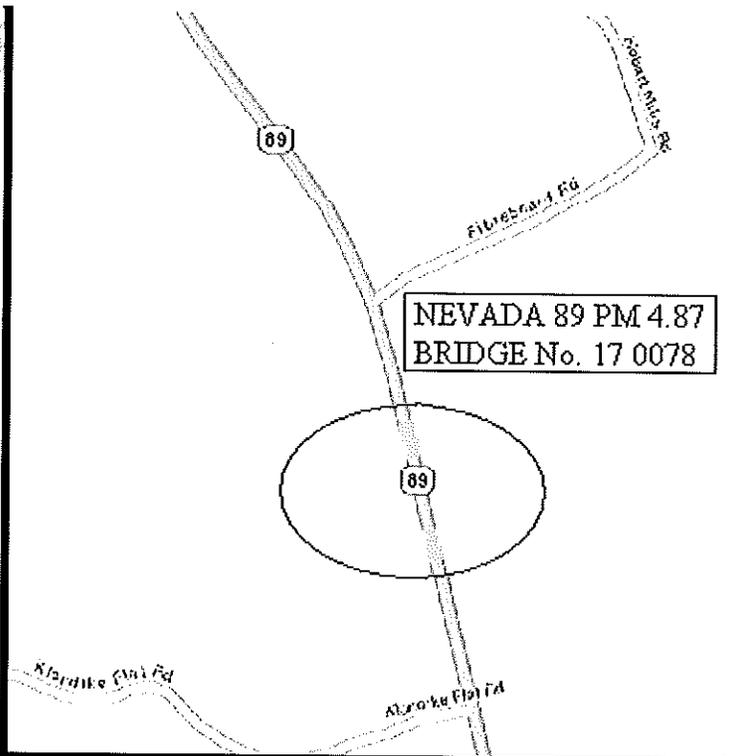
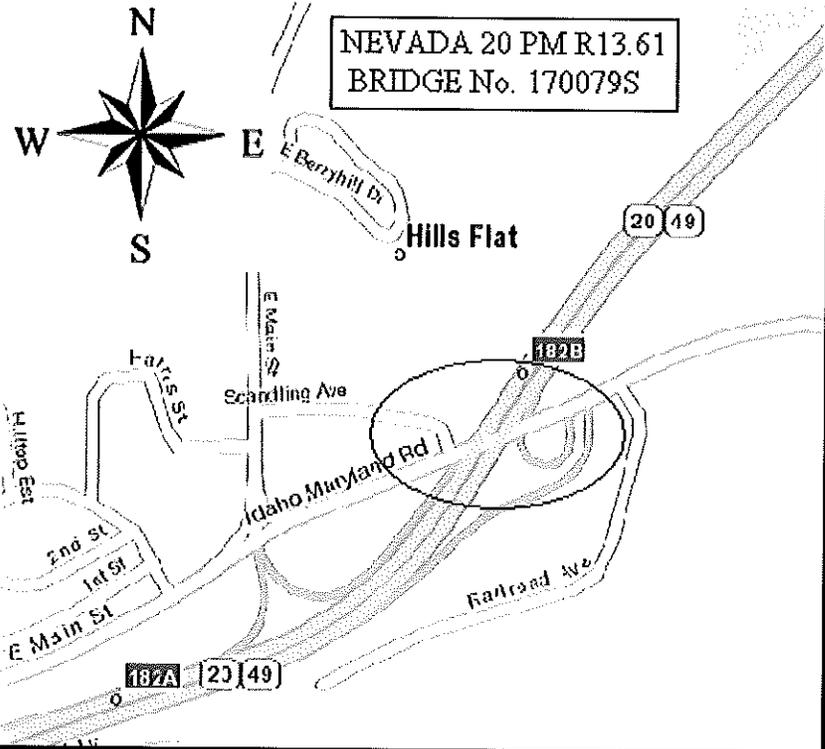
This PSSR was reviewed by the appropriate Caltrans offices and their recommendations have been considered and incorporated in this Project Scope Summary Report.

## **11. LIST OF ATTACHMENTS**

- A. Location Map
- B. Landscape Architecture Assessment Sheet (LAAS)
- C. Mini-PEAR
- D. Initial Site Assessment Report (ISA)
- E. Hazardous Waste Initial Estimate
- F. Transportation Management Plan (TMP) Data Sheet
- G. Right of Way Data Sheet (RWDS)
- H. Programming Sheet and Resources
- I. Project Cost Estimate

**ATTACHMENT A**

**LOCATION MAP**



# ATTACHMENT B

## LANDSCAPE ARCHITECTURE ASSESSMENT SHEET (LAAS)



|  |   |  |            |                |
|--|---|--|------------|----------------|
| <b>TO: Olawale Ajayi</b><br><b>FROM: Christine Ottaway</b><br><b>Unit/Senior TE Name: T. Chris Johnson</b><br><b>Project Manager: Winder Bajwa</b>                         | <b>CO: Placer and Nevada</b><br><b>DISTRICT: 03</b><br><b>DATE: 09/08/11</b><br><b>EA: 03-3F050</b> | <b>RTE: Pla</b><br><b>80 &amp; 174</b><br><b>NeV 20 &amp;</b><br><b>89</b>   | <b>KP:</b> | <b>PM: Var</b> |
| <b>PROJECT SEPARATION:</b><br><input checked="" type="checkbox"/> Landscape as part of roadway work EA<br><input type="checkbox"/> Landscape under separate EA (Follow-up) |   | <b>PROJECT: Seismic retrofit for bridges</b><br><br><b>TYPE: Bridge Maintenance</b><br><br><b>PROJECT MILESTONE: PID</b> |            |                |

**PROJECT DESCRIPTION:**

The purpose of this project is to install seismic retrofits to 11 bridges in Placer and Nevada counties.

|   |  |
|---|--|
| <b>AREA (M2) FOR REVEGETATION:</b><br><b>AREA (M2) FOR EROSION CONTROL:</b><br><b>PLANT COUNT FOR MITIGATION PLANTING:</b>        | <hr/> 18,300 sf<br><hr/> None known<br><hr/>   |
| <b>LANDSCAPE FREEWAY STATUS:</b><br><b>HIGHWAY PLANTING IS:</b><br><b>SCENIC HIGHWAY STATUS:</b><br><b>REVEGETATION REQUIRED?</b> | <input type="checkbox"/> Yes<br><input type="checkbox"/> Warranted<br><input type="checkbox"/> Officially Designated<br><input type="checkbox"/> Permit Required                     |
|   | <input checked="" type="checkbox"/> No<br><input checked="" type="checkbox"/> Not Warranted<br><input type="checkbox"/> Eligible<br><input type="checkbox"/> Offset of Visual Impact |
|   | <input checked="" type="checkbox"/> Not Designated<br><input type="checkbox"/> Other (Forest Service, BLM, etc.)   |
| <b>BIOLOGIST CONTACT: Tammy Massengil</b><br><br><b>DATE OF CONTACT: Contacted 9/8/2011, message left.</b>                        |  |

|  |  |
|--|--|
| <b>ADJACENCY TO BILLBOARDS:</b><br><input type="checkbox"/> Project area is adjacent to outdoor advertising. | <input checked="" type="checkbox"/> Project area is not adjacent to outdoor advertising. |
|--|--|

**WATER AND POWER AVAILABILITY:** None

**DESIGN FOR MAINTENANCE SAFETY:** None.

|   |                                      |
|---|--------------------------------------|
| <b>CONTEXT SENSITIVITY:</b><br><input type="checkbox"/> It is determined that the project will involve consideration of highway aesthetics and will require further evaluations pertaining to specific roadside enhancements.<br><input checked="" type="checkbox"/> No foreseen issues with highway aesthetics | <input type="checkbox"/> Other _____ |
|---|--------------------------------------|

**COOPERATIVE MAINTENANCE AGREEMENTS:**

|  |   |   |   |
|--|---|---|---|
| Project may involve additional tasks indicated | <input type="checkbox"/> Visual Simulation<br><input type="checkbox"/> Highway Planting<br><input type="checkbox"/> Contour Grading | <input checked="" type="checkbox"/> Erosion Control<br><input checked="" type="checkbox"/> Field Visit<br><input checked="" type="checkbox"/> Cost Estimate | <input checked="" type="checkbox"/> SWPPP/NPDES<br><input type="checkbox"/> Context Sensitive Solutions/Aesthetics<br><input type="checkbox"/> Landscape Evaluation |
|--|---|---|---|



**COST INFORMATION:**

- Highway Planting / Revegetation
- Soil Amending / Compost Incorporation
- Erosion Control
- Slope Protection
- Aesthetic Treatment (RSP Staining)

unknown  
 \$  
**\$73,200**  
 \$  
 \$  
**TOTAL 73,200\$**

**RELATED INFORMATION:**

This estimate is based on one staging area at 5000 sf, and eleven access roads at 1200 sf for 13,300 sf. The estimated costs are based on 2010 and 2011 Erosion Control (Hydroseed) recorded expenses. Erosion control is generally costing \$4.00 per square foot. Smaller, separated areas are more expensive than larger contiguous areas.  
 \$4.00 x 18,300 sf = \$73,200.00.

Please notify Landscape Architecture so that this document can be adjusted when more information is available about the project..

Landscape Architecture Resource Estimate: .

Please include 80 hours for Landscape Architecture design phase, and 20 hours for Stormwater.

Christine Ottaway

DATE: 9/8/11  
 (Revised)

CONCURRED BY:

(Project Manager)

DATE: 9/16/11

APPROVED  
 BY:

DATE: 9-14-2011

(Landscape Architecture or Engineering Services Branch Chief)

**Comments:**

**Recommendations:**

**Resources by WBS Code (Landscape Architecture - Unit 03-340, EFIS 0381)**

| <b>WBS Activity</b> | <b>03-3F050 SEISMIC RETROFIT FOR BRIDGES</b>  | <b>Unit 03-340 (EFIS 0381) Hrs needed</b> |
|---------------------|---|---|
| <b>100</b>          | <b>PROJECT MANAGEMENT</b>   |   |
| 100.05              | Project Management - PID component  |   |
| 100.10              | Project Management - PA & ED Component  | 10  |
| 100.15              | Project Management - PS&E Component   | 10  |
| 100.20              | Project Management - Construction Component   | 10  |
| <b>150</b>          | <b>PROJECT INITIATION DOCUMENT (PID)</b>  |   |
| 150.20.15           | Perform Landscape/Aesthetic Analysis  |   |
| 150.25.20           | Circulate, Review, & Approve PID  |   |
| <b>160</b>          | <b>PERFORM PRELIMINARY ENGINEERING STUDIES &amp; PREPARE PROJECT REPORT</b>   |   |
| 160.05              | Review and Update Project Information   | 10  |
| 160.10.30           | Develop Highway Planting Design Concepts (includes mitigation, replacement and new planting, LAAS)                  |   |
| 160.15.05           | Prepare Cost Estimate for Alternatives  | 10  |
| 160.15.25           | Circulate, Review, & Approve Draft Project Report   | 10  |
| <b>165</b>          | <b>PERFORM ENVIRONMENTAL STUDIES &amp; PREPARE DRAFT ENVIRONMENTAL DOCUMENT (DED)</b>                               |   |
| 165.05.05           | Review Project Information  | 10  |
| 165.15.05           | Perform Biological Assessment   |   |
| 165.10.20           | Perform Visual Impact Analysis  |   |
| <b>175</b>          | <b>CIRCULATE DED &amp; SELECT PREFERRED PROJECT ALTERNATIVE</b>   |   |
| 175.10.15           | Prepare Displays for Public Viewing   |   |
| 175.10.35           | Hold Public Hearing   |   |
| <b>185</b>          | <b>PREPARE BASE MAPS and PLAN SHEETS</b>  |   |
| 185.05.10           | Update Project Information (update of Landscape scope and costs for PE when requested)                              | 20  |
| 185.15              | Perform Preliminary Design  |   |
| <b>205</b>          | <b>OBTAIN PERMITS, AGREEMENTS &amp; ROUTE ADOPTIONS</b>   |   |
| 205.10              | Obtain Permits (includes preparation of attachments by Landscape to assist Enviro in obtaining permits)             |   |
| <b>230</b>          | <b>PREPARE DRAFT PS&amp;E</b>   |   |
| 230.05.35           | Prepare Contour Grading Plans   |   |
| 230.05.45           | Prepare Noise Barrier Plans   |   |
| 230.05.50           | Prepare Retaining Wall Plans  |   |
| 230.10              | Prepare Draft Highway Planting Plans  |   |
| 230.35.10           | Develop Highway Planting Specs  |   |
| 230.35.40           | Develop Erosion Control Specs   | 80  |
| 230.40.10           | Calculate Highway Planting Quantities and Estimate  |   |
| 230.40.40           | Calculate Erosion Control Quantities and Estimate   | 30  |
| 230.60              | Review and Update Project Information for PS&E Package (Constructability Review and Storm Water Data Report Review) | 20  |
| <b>235</b>          | <b>MITIGATE ENVIRONMENTAL IMPACTS &amp; CLEAN-UP HAZARDOUS WASTE</b>  |   |
| 235.05.15           | Perform Biological Mitigation (problem with this is that we can only charge to this during phase 1 of EA)           |   |
| 235.35              | Perform Long Term Mitigation Monitoring   |   |
| <b>255</b>          | <b>CIRCULATE, REVIEW &amp; PREPARE FINAL DISTRICT PS&amp;E PACKAGE</b>  |   |
| 255.10.10           | Update Highway Planting PS&E  | 10  |
| <b>270</b>          | <b>PERFORM CONSTRUCTION ENGINEERING &amp; GENERAL CONTRACT ADMINISTRATION</b>                                       |   |
| 270.20.50           | Provide Technical Support   | 10  |
| 270.25              | Perform Construction Contract Administration Work (initiate Reveg Interagency Agreements)                           |   |
| 270.35.10           | Perform Plant Inspection for Quality Assurance  |   |
| 270.60              | Administer Plant Establishment  |   |
| <b>285</b>          | <b>PREPARE and ADMINISTER CONTRACT CHANGE ORDERS</b>  |   |
| 285.10              | Provide Functional Support  | 10  |
| <b>295</b>          | <b>ACCEPT CONTRACT, PREPARE FINAL CONSTRUCTION ESTIMATE, AND PREPARE FINAL REPORT</b>                               |   |
| 295.35.05           | Revegetation Field Work   |   |
| 295.35.10           | Revegetation Monitoring   |   |
| 295.35.15           | Revegetation Close-Out (Final Report)   |   |
|                     | <b>Total Hours</b>  | <b>250</b>                                |

# ATTACHMENT C

## MINI - PEAR

## Mini-Preliminary Environmental Analysis Report

### Project Information

District 03 County PLA/NEV Route 20, 80, 89, 174 Post Mile Various EA 03-3F050

Project Title: PLA/NEV 11 Bridges

Project Manager Winder Bajwa Phone # 530-741-4432

Project Engineer Olawale Ajayi Phone # 530-741-4478

Environmental Branch Chief Tammy Massengale Phone # 530-741-4041

### Project Description

**Purpose and Need:** Eleven bridges have been identified by the Structure Maintenance and Investigations Unit for seismic rehabilitation to ensure their load carrying capacity and structural integrity. The proposed work will ensure the bridges integrity in the event of seismic activity.

**Description of work:** This project proposes to rehabilitate 11 bridges:

- Colfax Overhead Br. No. 19-0055 – Placement of tall steel x-bracing, non-ductile column work and retrofit footing with top mat of steel.
- Douglas Boulevard Overcrossing Br. No. 19-0079 – Placement of steel casings around non-ductile columns.
- Gilardi Road Overcrossing Br. No. 19-0101 – Placement of steel casings around non-ductile columns and retrofit of both abutments.
- South Long Ravine UP Br. No. 19-0087 – Strengthening steel truss members and piers 1 and 2 footings and retrofit of the main girder bracings and bearings.
- West Auburn Underpass Br. No. 19-0045 – Strengthening steel truss members, enlargement and strengthening of piers 1 and 2 footings.
- North Long Ravine UP Br. No. 19-0088 – Strengthening steel truss members, placement of girder x-bracing and building a new pre-stressed concrete catcher frame under the portion of the railroad bridge that spans I-80.
- Newcastle Underpass Br. No 19-0103 – Placement of a tall steel girder x-bracing, high rocker bearings and retrofit of the main girder bearings.
- South Yuba River Br. No. 19-0124L – Non-ductile columns, possible liquefaction, retrofit of both abutments and enlarging and strengthening all footings.
- South Yuba River Br. No. 19-0119L – Non-ductile short columns and retrofit of both abutments.
- Prosser Creek Br. No. 17-0078 – Retrofit both short seat abutments.
- Idaho-Maryland Road Undercrossing Br. No. 17-0079S – Placement of steel columns around both non-ductile columns.

Additional work includes grinding, equipment staging area, 100 year floodplain encroachment, pile driving, night work and blasting.

### Anticipated Environmental Approval

#### CEQA

Initial Study with a Mitigated Negative Declaration

#### NEPA

Categorical Exclusion

### Summary Statement

In order to identify environmental issues, constraints, costs and resource needs, a mini-PEAR (Preliminary Environmental Analysis Report) was prepared for the project. Potential construction staging areas and disposal/borrow sites will need to be identified in the PA&ED phase for

environmental review. All technical reviews were completed using data searches. It is important to note that all technical studies will be deferred to the Capital phases of the project.

It is anticipated an Initial Study with a Mitigated Negative Declaration and a Categorical Exclusion will apply to this project. Based on existing workload and available resources, it is anticipated to take 26 months to complete the environmental process. If possible, Environmental Planning would like to receive the ESR no later than February of a given year in order to complete spring surveys.

### **Special Considerations**

**Biology:** Impacts to raptors, migratory birds and bats are expected to result from project related activities. There is a possibility of impacts to the non-anadromous rainbow trout, the valley elderberry longhorn beetle (VELB), California tiger salamander, vernal pool fairy shrimp, vernal pool tadpole shrimp, California red-legged frog, giant garter snake (GGS), Stebbins' morning glory and Pine hill caenothus.

Riparian vegetation may need to be removed along the South Yuba River and Prosser Creek locations to allow construction equipment and personnel access to the work area. The riparian vegetation not only provides roosting and nesting possibilities for the birds but also provides vital shading to the river. The amount of shade affects the water temperature, which in turn affects the use of the river by the salmonids and other aquatic species. The pile driving and water diversions will also have a temporary impact on water quality and use of the river by salmonids and other aquatic species.

Wetlands and waters of the U.S. and State will be impacted by the proposed project. Permits and mitigation will be required by the resource agencies. The permits needed for this project include an U.S. Army Corps of Engineers (USACE) 404 permit, a Regional Water Quality Control Board (RWQCB) 401 Certification and a California Department of Fish and Game (CDFG) 1062 Streambed Alteration Agreement. In addition, the United States Fish and Wildlife Service will issue a Biological Opinion.

**Archaeology:** Initial studies indicate that eight of the bridges have been designated Category 5, ineligible for the National Register of Historic Places (National Register), in the Caltrans Statewide Bridge Inventory. Therefore, no additional studies are required. However, the remaining three bridges have been designated Category 4 (unevaluated for the National Register) because they are all associated with a larger resource that has a potential for significance, the Southern Pacific Railroad (SPRR). The West Auburn Ravine (Br. No. 19-0045) is a steel riveted deck truss bridge that was constructed in 1909 by the SPRR and modified by the Division of Highways in 1958-59 (reinforced concrete bents). The South Long Ravine (Br. No. 19-0087) and North Long Ravine (Br. No. 19-0088) were constructed by SPRR in 1912 and 1913, respectively, and are riveted steel plate girder bridges. Due to their association with a potentially significant resource, these three bridges must be individually evaluated for National Register eligibility.

**Hazardous Waste:** An ISA was completed for this project. The following contaminants were identified: Asbestos Containing Materials (ACM), Aerially Deposited Lead (ADL), lead and chromium contained in the yellow traffic striping and lead based paint. A Site Investigation is required.

**Water Quality:** A water quality assessment will be prepared for this project.

**Air Quality:** This project is exempt from all air quality conformity analysis requirements per Table 2 of 40 Code of Federal Regulations (CFR) §93.126, subsection "Safety" ("Reconstructing Bridges"). A memo to file will be prepared during PA&ED.

**Noise:** This project is considered a Type III project and no Traffic Noise Analysis is required. A memo to file will be prepared during PA&ED.

**Visual Resources:** Due to the limited time constraints a visual preliminary assessment was not requested.

**Disclaimer**

This report is not an environmental document. Due to resource constraints, only minimal information was obtained from specialists. The above recommendations are based on the project description provided in this report. The discussion and conclusions provided by this mini-PEAR are approximate and are based on an in-house review of records to estimate the potential for probable effects. The purpose of this report is to provide a preliminary level of environmental analysis to supplement the Project Initiation Document. Changes in project scope, alternatives, or environmental laws will require a re-evaluation of this report.

**Prepared by:**

  
\_\_\_\_\_  
Tammy Massengale, Chief, Office of Environmental Support

Date: 10/17/11

**Reviewed by:**

  
\_\_\_\_\_  
Winder Bajwa, Project Manager

Date: 10/17/2011

## PEAR Environmental Commitments Cost Estimate

Dist.-Co.-Rte.-KP/PM: 03 PLA/NEV 20, 80, 89, 174 Various EA: 03-3F050

**Project Description:** This project proposes to rehabilitate 11 bridges to include seismic retrofitting, grinding, equipment staging area, 100 year floodplain, pile driving, night work and blasting.

**Person completing form/District Office:** Tammy Massengale, North Region Office of Environmental Support

Project Manager: Winder Bajwa Phone number: 530-741-5179

|                                       | Compensation/<br>Mitigation | Permit &<br>Agreement |
|---------------------------------------|-----------------------------|-----------------------|
| Fish & Game 1600 Agreement            |                             | \$ 4,483              |
| Coastal Development Permit            |                             |                       |
| State Lands Agreement                 |                             |                       |
| Section 401 RWQCB Permit              |                             | \$ 2,980              |
| COE 404 Permit- Nationwide            |                             |                       |
| COE 404 Permit- Individual            |                             |                       |
| COE Section 10 Permit                 |                             |                       |
| COE Section 9 Permit                  |                             |                       |
| Other: VELB, birds, bats              | \$ 35,000                   |                       |
| Oak Compensation                      |                             |                       |
| Special landscaping                   |                             |                       |
| Archaeological                        |                             |                       |
| Biological                            |                             |                       |
| Historical                            |                             |                       |
| Scenic resources                      |                             |                       |
| Wetland/riparian                      | \$ 150,000                  |                       |
| <b>TOTAL</b> (Enter zeros if no cost) | <b>\$ 185,000</b>           | <b>\$ 7,463</b>       |

## ATTACHMENT B - Resources by WBS Code

EA: 03-3F050

Description: PLA/NEV 11 Bridges

| WBS Task Activity Code   | Senior/<br>Coord | Biology    | Cultural   | Haz<br>Waste | Storm<br>Water | Noise/Air  | Sup Svcs   | Const.<br>Liaison | Total      |
|--|------------------|------------|------------|--------------|----------------|------------|------------|-------------------|------------|
| <b>Assigned Unit</b>   | <b>183</b>       | <b>183</b> | <b>183</b> | <b>349</b>   | <b>349</b>     | <b>349</b> | <b>183</b> | <b>183</b>        |            |
| <b>Project Management</b>  |                  |            |            |              |                |            |            |                   |            |
| 100.10.05 – PA&ED Init. & Plng.  |                  |            |            |              | 12             |            |            |                   | 12         |
| 100.10.10 – PA&ED Exec. & Ctrl.  | 11               | 22         | 11         |              |                |            | 60         |                   | 104        |
| 100.10.15 – PA&ED Closeout   |                  |            |            |              |                |            |            |                   | -          |
| 100.10.20 – PA&ED Project Shelving   |                  |            |            |              |                |            |            |                   | -          |
| 100.10.25 – PA&ED Project Unshelving   |                  |            |            |              |                |            |            |                   | -          |
| 100.10.30 – PA&ED Update Admin Record  |                  |            |            |              |                |            |            |                   | -          |
| 100.10.35 – PA&ED Cooperative Agreement  |                  |            |            |              |                |            |            |                   | -          |
| 100.10.99 – PA&ED Other Proj. Mgmt. Products   |                  |            |            |              |                |            |            |                   | -          |
| 100.15.05 – PS&E Init. & Plng.   |                  |            |            |              | 12             |            |            |                   | 12         |
| 100.15.10 – PS&E Exec. & Ctrl.   | 10               | 40         | 6          |              |                |            | 60         |                   | 116        |
| 100.15.15 – PS&E Closeout  |                  |            |            |              |                |            |            |                   | -          |
| 100.15.20 – PS&E Project Shelving  |                  |            |            |              |                |            |            |                   | -          |
| 100.15.25 – PS&E Project Unshelving  |                  |            |            |              |                |            |            |                   | -          |
| 100.15.30 – PS&E Update Admin Record   |                  |            |            |              |                |            |            |                   | -          |
| 100.15.35 – PS&E Cooperative Agreement   |                  |            |            |              |                |            |            |                   | -          |
| 100.15.99 – PS&E Other Proj. Mgmt. Products  |                  |            |            |              |                |            |            |                   | -          |
| 100.20.05 – Const. Init. & Plng.   |                  |            |            |              | 12             |            |            |                   | 12         |
| 100.20.10 – Const. Exec. & Ctrl.   | 10               | 40         | 15         |              |                |            | 40         |                   | 105        |
| 100.20.15 – Const. Closeout  |                  |            |            |              |                |            |            |                   | -          |
| 100.20.20 – Const. Project Shelving  |                  |            |            |              |                |            |            |                   | -          |
| 100.20.25 – Const. Project Unshelving  |                  |            |            |              |                |            |            |                   | -          |
| 100.20.30 – Const. Update Admin Record   |                  |            |            |              |                |            |            |                   | -          |
| 100.20.35 – Const. Cooperative Agreement   |                  |            |            |              |                |            |            |                   | -          |
| 100.20.99 – Const. Other Proj. Mgmt. Products  |                  |            |            |              |                |            |            |                   | -          |
| 100.25.05 – RW Init. & Plng.   |                  |            |            |              |                |            |            |                   | -          |
| 100.25.10 – RW Exec. & Ctrl.   |                  |            |            |              |                |            |            |                   | -          |
| 100.25.15 – RW Closeout  |                  |            |            |              |                |            |            |                   | -          |
| 100.25.20 – RW Project Shelving  |                  |            |            |              |                |            |            |                   | -          |
| 100.25.25 – RW Project Unshelving  |                  |            |            |              |                |            |            |                   | -          |
| 100.25.30 – RW Update Admin Record   |                  |            |            |              |                |            |            |                   | -          |
| 100.25.35 – RW Cooperative Agreement   |                  |            |            |              |                |            |            |                   | -          |
| 100.25.50 – RW Ex. Coop. Agree. Relinquish   |                  |            |            |              |                |            |            |                   | -          |
| 100.25.99 – RW Other Proj. Mgmt. Products  |                  |            |            |              |                |            |            |                   | -          |
| <b>Total Project Management</b>  | <b>31</b>        | <b>102</b> | <b>32</b>  | <b>-</b>     | <b>36</b>      | <b>-</b>   | <b>160</b> | <b>-</b>          | <b>361</b> |
| <b>Preliminary Engineering Studies and Draft Project Report</b>                            |                  |            |            |              |                |            |            |                   |            |
| 160.05.05 – Approved PID Review  | 3                |            |            |              | 4              |            |            |                   | 7          |
| 160.05.10 – Geotechnical Information Review  |                  |            |            |              |                |            |            |                   | -          |
| 160.05.20 – Traffic Data & Forecasts Review  |                  |            |            |              |                |            |            |                   | -          |
| 160.05.30 – Project Scope Review   |                  |            |            |              |                |            |            |                   | -          |
| 160.05.99 – Other Updated Project Info Products  |                  |            |            |              |                |            |            |                   | -          |
| 160.10.20 – Value Analysis   |                  |            |            |              |                |            |            |                   | -          |
| 160.10.25 – Hydraulics/Hydrology Study   |                  |            |            |              |                |            |            |                   | -          |
| 160.10.30 – Hwy Planting Design Concepts   |                  |            |            |              |                |            |            |                   | -          |
| 160.10.40 – Updated Right of Way Data Sheets   |                  |            |            |              |                |            |            |                   | -          |
| 160.10.99 – Other Engineering Studies  |                  |            |            |              |                |            |            |                   | -          |
| 160.15.20 – Draft Project Report   |                  |            |            |              |                |            |            |                   | -          |
| 160.15.25 – Draft PR Circ., Review & Approval  | 5                |            |            |              | 4              |            |            |                   | 9          |
| 160.30.05 – Maps for ESR   | 5                |            |            |              |                |            |            |                   | 5          |
| 160.30.10 – Surveys & Mapping for ESR  | 5                |            |            |              |                |            |            |                   | 5          |
| 160.30.15 – Prop. Access Rights - Env/Eng Studies  | 5                |            |            |              |                |            |            |                   | 5          |
| 160.40 – NEPA Delegation   | 5                |            |            |              |                |            | 2          |                   | 7          |
| <b>Total Pre. Eng. Studies &amp; Draft PR</b>  | <b>28</b>        | <b>-</b>   | <b>-</b>   | <b>-</b>     | <b>8</b>       | <b>-</b>   | <b>2</b>   | <b>-</b>          | <b>38</b>  |
| <b>Environmental Studies and Draft Environmental Document - Task Management Activities</b> |                  |            |            |              |                |            |            |                   |            |
| 165.05.05 – Project Information Review   | 3                | 15         | 4          |              |                |            |            |                   | 22         |
| 165.05.10 – Pub & Agency Scoping Process   | 8                |            |            |              |                |            |            |                   | 8          |
| 165.05.15 – Alternatives for Further Study   | 4                |            |            |              |                |            |            |                   | 4          |

EA: 03-3F050

Description: PLA/NEV 11 Bridges

| WBS Task Activity Code                           | Senior/<br>Coord | Biology    | Cultural   | Haz<br>Waste | Storm<br>Water | Noise/Air  | Sup Svcs   | Const.<br>Liaison | Total |
|--|------------------|------------|------------|--------------|----------------|------------|------------|-------------------|-------|
| <b>Assigned Unit</b>                             | <b>183</b>       | <b>183</b> | <b>183</b> | <b>349</b>   | <b>349</b>     | <b>349</b> | <b>183</b> | <b>183</b>        |       |
| 165.05.99 – Other Env Scoping Alt ID in PID      | 20               |            |            |              |                |            |            |                   | 20    |
| 165.10.15 – CIA, Land Use & Growth Studies       |                  |            |            |              |                |            |            |                   | -     |
| 165.10.20 – VIA & Scenic Resource Evaluation     |                  |            |            |              |                |            |            |                   | -     |
| 165.10.25 – Noise Study                          |                  |            |            |              |                | 8          |            |                   | 8     |
| 165.10.30 – Air Quality Study                    |                  |            |            |              |                | 8          |            |                   | 8     |
| 165.10.35 – Water Quality Studies                |                  |            |            |              | 150            |            |            |                   | 150   |
| 165.10.40 – Energy Studies                       |                  |            |            |              |                |            |            |                   | -     |
| 165.10.45 – Summary Geotech Report               |                  |            |            |              |                |            |            |                   | -     |
| 165.10.50 – Hazardous Waste PSI                  |                  |            |            | 120          |                |            |            |                   | 120   |
| 165.10.55 – Draft RW Relocation Impact Doc.      |                  |            |            |              |                |            |            |                   | -     |
| 165.10.60 – Loc. Hyd. & Floodplain Stdy Rpts.    |                  |            |            |              |                |            |            |                   | -     |
| 165.10.65 – Paleontology Study                   |                  |            |            |              |                |            |            |                   | -     |
| 165.10.70 – Wild and Scenic Rivers Coordination  |                  |            |            |              |                |            |            |                   | -     |
| 165.10.75 – Environmental Commitments Record     |                  |            |            |              |                |            |            |                   | -     |
| 165.10.99 – Other Environmental Studies          |                  |            |            |              |                |            |            |                   | -     |
| 165.15.05 – Biological Assessment                |                  | 140        |            |              |                |            |            |                   | 140   |
| 165.15.10 – Wetlands Study                       |                  | 120        |            |              |                |            |            |                   | 120   |
| 165.15.15 – Resource Agcy Permit Related Coord   |                  | 80         |            |              |                |            |            |                   | 80    |
| 165.15.20 – NES Report                           |                  | 220        |            |              |                |            |            |                   | 220   |
| 165.15.99 – Other Biological Studies             |                  |            |            |              |                |            |            |                   | -     |
| 165.20.05 – Archaeological Survey                |                  |            |            |              |                |            |            |                   | -     |
| 165.20.05.05 – APE/Study Area Map(s)             |                  |            | 25         |              |                |            |            |                   | 25    |
| 165.20.05.10 – Native American Consultation      |                  |            | 15         |              |                |            |            |                   | 15    |
| 165.20.05.15 – Records & Literature Search       |                  |            | 15         |              |                |            |            |                   | 15    |
| 165.20.05.20 – Field Survey                      |                  |            | 32         |              |                |            |            |                   | 32    |
| 165.20.05.25 – ASR                               |                  |            | 45         |              |                |            |            |                   | 45    |
| 165.20.05.99 – Other Archy Survey Products       |                  |            |            |              |                |            |            |                   | -     |
| 165.20.10 – Extended Phase I Archy Studies       |                  |            |            |              |                |            |            |                   | -     |
| 165.20.10.05 – Native American Consultation      |                  |            | 1          |              |                |            |            |                   | 1     |
| 165.20.10.10 – Extended Phase I Proposal         |                  |            | 7          |              |                |            |            |                   | 7     |
| 165.20.10.15 – Extended Phase I Field Inv.       |                  |            | 27         |              |                |            |            |                   | 27    |
| 165.20.10.20 – Extended Phase I Mat. Analysis    |                  |            | 13         |              |                |            |            |                   | 13    |
| 165.20.10.25 – Extended Phase I Report           |                  |            | 13         |              |                |            |            |                   | 13    |
| 165.20.10.99 – Other Ext Phase I Archy Prod      |                  |            |            |              |                |            |            |                   | -     |
| 165.20.15 – Phase II Archy Studies               |                  |            |            |              |                |            |            |                   | -     |
| 165.20.15.05 – Native American Consultation      |                  |            | 4          |              |                |            |            |                   | 4     |
| 165.20.15.10 – Phase II Proposal                 |                  |            | 20         |              |                |            |            |                   | 20    |
| 165.20.15.15 – Phase II Field Investigation      |                  |            | 67         |              |                |            |            |                   | 67    |
| 165.20.15.20 – Phase II Materials Analysis       |                  |            | 50         |              |                |            |            |                   | 50    |
| 165.20.15.25 – Phase II Report                   |                  |            | 27         |              |                |            |            |                   | 27    |
| 165.20.15.99 – Other Ext Phase II Archy Study    |                  |            |            |              |                |            |            |                   | -     |
| 165.20.20 – Hist & Architect Resource Studies    |                  |            |            |              |                |            |            |                   | -     |
| 165.20.20.05 – Prelim APE/SAM for Arch.          |                  |            |            |              |                |            |            |                   | -     |
| 165.20.20.10 – HRER - Archaeology                |                  |            |            |              |                |            |            |                   | -     |
| 165.20.20.15 – HRER - Architecture               |                  |            | 80         |              |                |            |            |                   | 80    |
| 165.20.20.20 – Bridge Evaluation                 |                  |            | 41         |              |                |            |            |                   | 41    |
| 165.20.20.99 – Other Hist and Arch Resource Prod |                  |            |            |              |                |            |            |                   | -     |
| 165.20.25 – Cultural Res. Comp. Cons. Docs.      |                  |            | 11         |              |                |            |            |                   | 11    |
| 165.20.25.05 – Final APE/Study Area Maps         |                  |            | 8          |              |                |            |            |                   | 8     |
| 165.20.25.10 – PRC 5024.5 Consultation           |                  |            | 23         |              |                |            |            |                   | 23    |
| 165.20.25.15 – HPSR/HRCR                         |                  |            | 41         |              |                |            |            |                   | 41    |
| 165.20.25.20 – Finding of Effect (FOE)           |                  |            | 20         |              |                |            |            |                   | 20    |
| 165.20.25.25 – Archy Data Rec. Pln./Treat. Pln   |                  |            | 60         |              |                |            |            |                   | 60    |
| 165.20.25.30 – MOA                               |                  |            |            |              |                |            |            |                   | -     |
| 165.20.25.99 – Other CR Compliance Consult Prod  |                  |            | 16         |              |                |            |            |                   | 16    |
| 165.25.05 – DED Analysis                         | 327              |            |            |              |                |            |            |                   | 327   |
| 165.25.10 – Section 4(f) Evaluation              | 45               |            | 9          |              |                |            |            |                   | 54    |
| 165.25.15 – CE/CE Determination                  | 9                |            |            |              |                |            |            |                   | 9     |
| 165.25.20 – Env. Quality Ctrl. & Other Reviews   | 6                | 16         | 9          |              |                |            | 30         |                   | 61    |
| 165.25.25 – Approval to Circulate Resolution     | 3                |            |            |              |                |            |            |                   | 3     |
| 165.25.30 – Environmental Coordination           | 255              |            |            |              |                |            |            |                   | 255   |
| 165.25.99 – Other Draft ED Products              |                  |            |            |              |                |            |            |                   | -     |
| 165.30 – NEPA Delegation                         | 20               |            |            |              |                |            |            |                   | 20    |

EA: 03-3F050

Description: PLA/NEV 11 Bridges

| WBS Task Activity Code   | Senior/Coord | Biology    | Cultural   | Haz Waste  | Storm Water | Noise/Air  | Sup Svcs   | Const. Liaison | Total |
|--|--------------|------------|------------|------------|-------------|------------|------------|----------------|-------|
| <b>Assigned Unit</b>   | <b>183</b>   | <b>183</b> | <b>183</b> | <b>349</b> | <b>349</b>  | <b>349</b> | <b>183</b> | <b>183</b>     |       |
| Total Environmental Studies & DED  | 700          | 591        | 683        | 120        | 150         | 16         | 30         | -              | 2,290 |
| <b>Permits, Agreements, and Route Adoptions during PA&amp;ED Component - Task Management Activities:</b>                       |              |            |            |            |             |            |            |                |       |
| 170.05 – Required Permits  |              |            |            |            |             |            |            |                | -     |
| 170.10.05 – USACE Permit (404)   |              | 40         |            |            |             |            |            |                | 40    |
| 170.10.10 – US Forest Service Permit(s)  |              |            |            |            |             |            |            |                | -     |
| 170.10.15 – US Coast Guard Permit  |              |            |            |            |             |            |            |                | -     |
| 170.10.20 – DFG 1600 Agreement(s)  |              | 30         |            |            |             |            |            |                | 30    |
| 170.10.25 – Coastal Zone Development Permit  |              |            |            |            |             |            |            |                | -     |
| 170.10.30 – Local Agency Concurrence/Permit  |              |            |            |            |             |            |            |                | -     |
| 170.10.40 – Waste Discharge (NPDES) Permit(s)  |              |            |            |            |             |            |            |                | -     |
| 170.10.45 – USFWS Approval   |              | 60         |            |            |             |            |            |                | 60    |
| 170.10.50 – RWQCB 401 Permit   |              | 40         |            |            |             |            |            |                | 40    |
| 170.10.60 – Environmental Commitments Record   |              |            |            |            |             |            |            |                | -     |
| 170.10.95 – Other Permits  |              |            |            |            |             |            |            |                | -     |
| 170.45 – MOU from TERO   |              |            |            |            |             |            |            |                | -     |
| 170.10.55 – NEPA Delegation  |              |            |            |            |             |            |            |                | -     |
| Total Permits, Agreements & Route Adoptions  | -            | 170        | -          | -          | -           | -          | -          | -              | 170   |
| <b>Draft Environmental Document Circulation and Preferred Project Alternative Identification - Task Management Activities:</b> |              |            |            |            |             |            |            |                |       |
| 175.05.05 – Master Dist & Inv Lists  | 18           |            |            |            |             |            |            |                | 18    |
| 175.05.10 – Notices Regarding Hearing & DED  | 29           |            |            |            |             |            |            |                | 29    |
| 175.05.15 – DED Publication & Circulation  |              |            |            |            |             |            |            |                | -     |
| 175.05.20 – Federal Consistency Det. (Coastal)   |              |            |            |            |             |            |            |                | -     |
| 175.05.99 – Other DED Circulation Products   |              |            |            |            |             |            |            |                | -     |
| 175.10.05 – Need for Public Hearing Det.   |              |            |            |            |             |            |            |                | -     |
| 175.10.10 – Public Hearing Logistics   |              |            |            |            |             |            |            |                | -     |
| 175.10.15 – Displays for Public Hearing  |              |            |            |            |             |            |            |                | -     |
| 175.10.20 – 2 <sup>nd</sup> Not. Pub. Hear. & Avail. of DED  |              |            |            |            |             |            |            |                | -     |
| 175.10.25 – Map Display & Pub. Hearing Plan  |              |            |            |            |             |            |            |                | -     |
| 175.10.30 – Display Public Hearing Maps  |              |            |            |            |             |            |            |                | -     |
| 175.10.35 – Public Hearing   | 3            |            |            |            |             |            |            |                | 3     |
| 175.10.40 – Record of Public Hearing   |              |            |            |            |             |            |            |                | -     |
| 175.10.99 – Other Public Hearing Products  |              |            |            |            |             |            |            |                | -     |
| 175.15 – Public Comment Res. & Corr.   | 23           |            |            |            |             |            |            |                | 23    |
| 175.20 – Project Preferred Alternative   |              |            |            |            |             |            |            |                | -     |
| 175.25 – NEPA Delegation   | 5            |            |            |            |             |            |            |                | 5     |
| Total DED & Preferred Proj. Alt. Identification  | 78           | -          | -          | -          | -           | -          | -          | -              | 78    |
| <b>Project Report and Final Environmental Document</b>   |              |            |            |            |             |            |            |                |       |
| 180.05.05 – Updated Draft Project Report   | 6            |            |            |            |             |            |            |                | 6     |
| 180.05.10 – Approved Project Report  | 14           |            |            |            | 4           |            |            |                | 18    |
| 180.05.15 – Updated Storm Water Data Report  |              |            |            |            |             |            |            |                | -     |
| 180.05.99 – Other Final Project Report Products  |              |            |            |            |             |            |            |                | -     |
| 180.10.05 – Approved FED   | 15           |            |            |            |             |            |            |                | 15    |
| 180.10.05.05 – Draft FED Review  |              |            |            |            |             |            |            |                | -     |
| 180.10.05.10 – Revised Draft FED   |              |            |            |            |             |            |            |                | -     |
| 180.10.05.15 – Section 4(f) Evaluation   |              |            |            |            |             |            |            |                | -     |
| 180.10.05.20 – Findings  |              |            |            |            |             |            |            |                | -     |
| 180.10.05.25 – Statement of Overriding Consid.   |              |            |            |            |             |            |            |                | -     |
| 180.10.05.30 – CEQA Certification  |              |            |            |            |             |            |            |                | -     |
| 180.10.05.35 – FHWA Approval   |              |            |            |            |             |            |            |                | -     |
| 180.10.05.40 – Section 106 Cons. & MOA   |              |            |            |            |             |            |            |                | -     |
| 180.10.05.45 – Section 7 Consult   |              | 30         |            |            |             |            |            |                | 30    |
| 180.10.05.50 – Final Section 4(f) Statement  |              |            |            |            |             |            |            |                | -     |
| 180.10.05.55 – Floodplain Only PAF   |              |            |            |            |             |            |            |                | -     |
| 180.10.05.60 – Wetlands Only PAF   |              |            |            |            |             |            |            |                | -     |
| 180.10.05.65 – Section 404 Compliance  |              | 30         |            |            |             |            |            |                | 30    |
| 180.10.05.70 – Mitigation Measures   |              | 40         |            |            |             |            |            |                | 40    |
| 180.10.10 – Public Dist of FED, Resp to Comments   | 14           |            |            |            |             |            |            |                | 14    |
| 180.10.99 – Other FED Products   |              |            |            |            |             |            | 15         |                | 15    |
| 180.15.05 – ROD (NEPA)   |              |            |            |            |             |            |            |                | -     |
| 180.15.10 – NOD (CEQA)   |              |            |            |            |             |            |            |                | -     |

EA: 03-3F050

Description: PLA/NEV 11 Bridges

| WBS Task Activity Code  | Senior/Coord | Biology    | Cultural   | Haz Waste  | Storm Water | Noise/Air  | Sup Svcs   | Const. Liaison | Total |
|---|--------------|------------|------------|------------|-------------|------------|------------|----------------|-------|
| <b>Assigned Unit</b>  | <b>183</b>   | <b>183</b> | <b>183</b> | <b>349</b> | <b>349</b>  | <b>349</b> | <b>183</b> | <b>183</b>     |       |
| 180.15.20 – Environmental Commitments Record  | 6            |            |            |            |             |            |            |                | 6     |
| 180.15.99 – Other Completed ED Products   |              |            |            |            |             |            |            |                | -     |
| 180.20 – NEPA Delegation  | 10           |            |            |            |             |            |            |                | 10    |
| Total PR & FED  | 65           | 100        | -          | -          | 4           | -          | 15         | -              | 184   |
| <b>Base Maps and Plan Sheets during PS&amp;E Development</b>  |              |            |            |            |             |            |            |                |       |
| 185.05.05 – Project Concept Review  |              |            |            |            | 2           |            |            |                | 2     |
| 185.05.10 – Updated Project Information   |              |            |            |            |             |            |            |                | -     |
| 185.05.99 – Other Updated Project Info Products   |              |            |            |            |             |            |            |                | -     |
| 185.15 – Perform Preliminary Design   |              |            |            |            |             |            |            |                | -     |
| Total Base Maps and Plan Sheets during PS&E   | -            | -          | -          | -          | 2           | -          | -          | -              | 2     |
| <b>Right of Way Property Management and Excess Land</b>   |              |            |            |            |             |            |            |                |       |
| 195.40.20 – Property Maint. & Rehab (Rentable)  |              |            |            |            |             |            |            |                | -     |
| 195.40.25 – Prop. Maint. & Rehab (Non-Rentable)   |              |            |            |            |             |            |            |                | -     |
| 195.40.30 – HW & Hazardous Materials  |              |            |            |            |             |            |            |                | -     |
| 195.40.35 – Transfer of Prop to Clearance Status  |              |            |            |            |             |            |            |                | -     |
| 195.40.99 – Other Property Mgmt Products  |              |            |            |            |             |            |            |                | -     |
| 195.45.05 – Excess Lands Inventory  |              |            |            |            |             |            |            |                | -     |
| 195.45.20 – Property Disposal up to \$15K   |              |            |            |            |             |            |            |                | -     |
| 195.45.25 – Property Disposal from \$15K to \$500K  |              |            |            |            |             |            |            |                | -     |
| 195.45.30 – Property Disposal over \$500K   |              |            |            |            |             |            |            |                | -     |
| 195.45.99 – Other Excess Land Products  |              |            |            |            |             |            |            |                | -     |
| Total Base RW Property Mgmt and Excess Land   | -            | -          | -          | -          | -           | -          | -          | -              | -     |
| <b>Utility Coordination</b>   |              |            |            |            |             |            |            |                |       |
| 200.15 – Approved Utility Relocation Plan   |              |            |            |            |             |            |            |                | -     |
| 200.20 – Utility Relocation Package   |              |            |            |            |             |            |            |                | -     |
| Total Utility Coordination  | -            | -          | -          | -          | -           | -          | -          | -              | -     |
| <b>Permits, Agreements &amp; Route Adoptions during PS&amp;E Component - Task Management Activities</b> |              |            |            |            |             |            |            |                |       |
| 205.05 – Required Permits   |              |            |            |            |             |            |            |                | -     |
| 205.10.05 – USACE Permit (404)  |              | 120        |            |            |             |            |            |                | 120   |
| 205.10.10 – US Forest Service Permit(s)   |              |            |            |            |             |            |            |                | -     |
| 205.10.15 – US Coast Guard Permit   |              |            |            |            |             |            |            |                | -     |
| 205.10.20 – DFG 1600 Agreement(s)   |              | 40         |            |            |             |            |            |                | 40    |
| 205.10.25 – Coastal Zone Development Permit   |              |            |            |            |             |            |            |                | -     |
| 205.10.30 – Local Agency Concurrence/Permit   |              |            |            |            |             |            |            |                | -     |
| 205.10.40 – Waste Discharge (NPDES) Permit(s)   |              |            |            |            | 28          |            |            |                | 28    |
| 205.10.45 – USFWS Approval  |              | 20         |            |            |             |            |            |                | 20    |
| 205.10.50 – RWQCB 401 Permit  |              | 20         |            |            | 8           |            |            |                | 28    |
| 205.10.60 – Updated ECR   | 6            | 8          |            |            |             |            |            |                | 14    |
| 205.10.95 – Other Permits   |              | 12         |            |            |             |            |            |                | 12    |
| 205.20.05 – Draft Freeway Agreement   |              |            |            |            |             |            |            |                | -     |
| 205.20.10 – Draft Freeway Agreement Review  |              |            |            |            |             |            |            |                | -     |
| 205.20.15 – Final Freeway Agreement   |              |            |            |            |             |            |            |                | -     |
| 205.20.20 – Executed Freeway Agreement  |              |            |            |            |             |            |            |                | -     |
| 205.25 – Agreement for Material Sites   |              |            |            |            |             |            |            |                | -     |
| 205.40.99 – Other Route Adoption Products   |              |            |            |            |             |            |            |                | -     |
| 205.45 – MOU from TERO  |              |            |            |            |             |            |            |                | -     |
| 205.55 – NEPA Delegation  |              |            |            |            |             |            |            |                | -     |
| Total Agreements & Route Adoptions  | 6            | 220        | -          | -          | 36          | -          | -          | -              | 262   |
| <b>Right of Way Interests for Project Right of Way Certification</b>                                    |              |            |            |            |             |            |            |                |       |
| 225.55.20 – Right of Way Clearance  |              |            |            |            |             |            |            |                | -     |
| Total RW Interests for Project RW Certification   | -            | -          | -          | -          | -           | -          | -          | -              | -     |
| <b>Draft PS&amp;E</b>   |              |            |            |            |             |            |            |                |       |
| 230.05.45 – Noise Barrier Plans   |              |            |            |            |             |            |            |                | -     |
| 230.05.65 – Water Pollution Control Plans   |              |            |            |            | 2           |            |            |                | 2     |
| 230.10.05 – Highway Planting Plans  |              |            |            |            |             |            |            |                | -     |
| 230.10.15 – Plant List  |              |            |            |            |             |            |            |                | -     |
| 230.30 – Draft Drainage Plans   |              |            |            |            | 2           |            |            |                | 2     |

EA: 03-3F050

Description: PLA/NEV 11 Bridges

| WBS Task Activity Code   | Senior/<br>Coord | Biology    | Cultural   | Haz<br>Waste | Storm<br>Water | Noise/Air  | Sup Svcs   | Const.<br>Liaison | Total |
|--|------------------|------------|------------|--------------|----------------|------------|------------|-------------------|-------|
| <b>Assigned Unit</b>   | <b>183</b>       | <b>183</b> | <b>183</b> | <b>349</b>   | <b>349</b>     | <b>349</b> | <b>183</b> | <b>183</b>        |       |
| 230.35.10 – Highway Planting Specifications  |                  |            |            |              |                |            |            |                   | -     |
| 230.35.35 – Water Pollution Control Specs  |                  |            |            |              | 4              |            |            |                   | 4     |
| 230.35.40 – Erosion Control Specifications   |                  |            |            |              | 2              |            |            |                   | 2     |
| 230.35.99 – Other Draft Specification Products   |                  |            |            |              |                |            |            |                   | -     |
| 230.40.10 - Calc Hwy Planting Quantities & Est.  |                  |            |            |              |                |            |            |                   | -     |
| 230.40.40 - Calc Erosion Ctrl Quantities & Est.  |                  |            |            |              | 6              |            |            |                   | 6     |
| 230.60.05 – Updated Storm Water Data Report  |                  |            |            |              | 8              |            |            |                   | 8     |
| 230.60.10 – Other PS&E Reviews & Update PR   | 6                | 4          |            | 4            | 2              |            |            | 8                 | 24    |
| 230.99 – Other Draft PS&E Products   |                  |            |            |              |                |            |            |                   | -     |
| Total Draft PS&E   | 6                | 4          | -          | 4            | 26             | -          | -          | 8                 | 48    |
| <b>Environmental Impact Mitigation and Hazardous Waste Clean-up - Task Management Activities</b> |                  |            |            |              |                |            |            |                   |       |
| 235.05.05 – Historical Structures Mitigation   |                  |            |            |              |                |            |            |                   | -     |
| 235.05.10 – Archaeological & Cultural Mitigation   |                  |            | 58         |              |                |            |            |                   | 58    |
| 235.05.15 – Biological Mitigation  |                  | 120        |            |              |                |            |            |                   | 120   |
| 235.05.20 – Environmental Mitigation R/W Work  |                  | 30         |            |              |                |            |            |                   | 30    |
| 235.05.25 – Paleontology Mitigation  |                  |            |            |              |                |            |            |                   | -     |
| 235.05.99 – Other Env. Mitigation Products   |                  |            |            |              |                |            |            |                   | -     |
| 235.10.05 – Right or Permit for HW Site Inv.   |                  |            |            |              |                |            |            |                   | -     |
| 235.10.10 – HW Sites Survey  |                  |            |            |              |                |            |            |                   | -     |
| 235.10.15 – Detailed HW Site Investigation   |                  |            |            |              |                |            |            |                   | -     |
| 235.15 – HW Management Plan  |                  |            |            |              |                |            |            |                   | -     |
| 235.20 – HW PS&E   |                  |            |            |              |                |            |            |                   | -     |
| 235.25 – HW Clean-up   |                  |            |            |              |                |            |            |                   | -     |
| 235.30 – Certificate of Sufficiency  |                  |            |            |              |                |            |            |                   | -     |
| 235.35 – Long Term Mitigation Monitoring   |                  | 180        |            |              |                |            |            |                   | 180   |
| 235.40 – Updated Environmental Commit. (ECR)   | 6                |            |            |              |                |            |            |                   | 6     |
| 235.45 – NEPA Delegation   |                  |            |            |              |                |            |            |                   | -     |
| Total Env. Impact Mitigation & HW Clean-up   | 6                | 330        | 58         | -            | -              | -          | -          | -                 | 394   |
| <b>Post Right of Way Certification Work</b>  |                  |            |            |              |                |            |            |                   |       |
| 245.55.20 – Right of Way Clearance   |                  |            |            |              |                |            |            |                   | -     |
| Total Post RW Clearance Work   | -                | -          | -          | -            | -              | -          | -          | -                 | -     |
| <b>Final District PS&amp;E Package</b>   |                  |            |            |              |                |            |            |                   |       |
| 255.05 – Circ. & Rev. Draft Dist PS&E  | 8                | 3          |            | 4            | 9              |            |            | 8                 | 32    |
| 255.10.10 - Update Highway Planting PS&E   |                  |            |            |              |                |            |            |                   |       |
| 255.10.25 - Updated Technical Reports  |                  |            | 7          |              |                |            |            |                   | 7     |
| 255.15 – Environmental Reevaluation  | 9                |            |            |              | 1              |            |            |                   | 10    |
| 255.20.05 – Rev. Plans for Drafting Stds. Comp   |                  |            |            |              |                |            |            |                   | -     |
| 255.40 – Resident Engineer's Pending File  | 5                |            |            |              |                |            |            |                   | 5     |
| 255.45 – NEPA Delegation   | 5                |            |            |              |                |            |            |                   | 5     |
| Total Final District PS&E Package  | 27               | 3          | 7          | 4            | 10             | -          | -          | 8                 | 59    |
| <b>Contract Bid Documents "Ready to List"</b>  |                  |            |            |              |                |            |            |                   |       |
| 260.15.05 - Verify PS&E is Complete  |                  |            |            |              | 8              |            |            |                   |       |
| 260.75 - Env Cert at RTL   | 8                |            | 2          |              |                |            |            |                   | 10    |
| Total Contract Bid Documents "RTL"   | 8                | -          | 2          | -            | 8              | -          | -          | -                 | 18    |
| <b>Construction Engineering and General Contract Administration</b>                              |                  |            |            |              |                |            |            |                   |       |
| 270.15.50 – Miscellaneous Stakes   |                  |            |            |              |                |            |            |                   | -     |
| 270.20.05 – Resident Engineer File Review  |                  |            |            |              |                |            |            |                   | -     |
| 270.20.10 – Proj. Plans, Spec. Prov. & Est. Rev.   |                  |            |            |              | 2              |            |            |                   | 2     |
| 270.20.45 – Cont. WPCP Review  |                  |            |            |              | 2              |            |            |                   | 2     |
| 270.20.50 – Technical Support  |                  | 80         |            |              | 36             |            |            | 200               | 316   |
| 270.25.15 – Pre-Construction Meeting   |                  |            |            |              |                |            |            |                   | -     |
| 270.30.10 – Inspection of Const. Work for Comp.  |                  |            |            |              | 40             |            |            |                   | 40    |
| 270.55 – Final Inspection & Acceptance Recom.  |                  |            |            |              |                |            |            |                   | -     |
| 270.70 – Updated ECR   |                  | 30         |            |              |                |            |            |                   | 30    |
| 270.75 – Resource Agency Permit Ren. & Ext.  |                  |            |            |              |                |            |            | 40                | 40    |
| 270.80 – Long Term Env Mit/Mont during Const   |                  |            |            |              |                |            |            |                   | -     |
| Total Const Engineering & Gen. Contract Admin.   | -                | 110        | -          | -            | 80             | -          | -          | 240               | 430   |

EA: 03-3F050

Description: PLA/NEV 11 Bridges

| WBS Task Activity Code   | Senior/<br>Coord | Biology      | Cultural   | Haz<br>Waste | Storm<br>Water | Noise/Air  | Sup Svcs   | Const.<br>Liaison | Total        |
|--|------------------|--------------|------------|--------------|----------------|------------|------------|-------------------|--------------|
| <b>Assigned Unit</b>   | <b>183</b>       | <b>183</b>   | <b>183</b> | <b>349</b>   | <b>349</b>     | <b>349</b> | <b>183</b> | <b>183</b>        |              |
| <b>Construction Contract Change Orders</b>                               |                  |              |            |              |                |            |            |                   |              |
| 285.05.05 – Need for CCO Determination                                   |                  | 24           |            |              |                |            |            | 16                | 40           |
| 285.10.15 – "Other" Functional Support                                   |                  |              |            |              | 2              |            |            |                   | 2            |
| Total Construction CCOs  | -                | 24           | -          | -            | 2              | -          | -          | 16                | 42           |
| <b>Construction Contract Claims</b>                                      |                  |              |            |              |                |            |            |                   |              |
| 290.35 – Technical Support   |                  | 10           |            |              | 2              |            |            | 16                | 28           |
| Total Construction Contract Claims                                       | -                | 10           | -          | -            | 2              | -          | -          | 16                | 28           |
| <b>Contract Acceptance, Final Construction Estimate and Final Report</b> |                  |              |            |              |                |            |            |                   |              |
| 295.35 – Certificate of Environmental Compliance                         | 6                | 8            |            |              |                |            |            | 8                 | 22           |
| 295.40 – Long Term Env Mit/Mont after CCA                                |                  | 40           |            |              |                |            |            |                   | 40           |
| Total Final Construction   | 6                | 48           | -          | -            | -              | -          | -          | 8                 | 62           |
| <b>Total Project Hours</b>   | <b>961</b>       | <b>1,712</b> | <b>782</b> | <b>128</b>   | <b>364</b>     | <b>16</b>  | <b>207</b> | <b>296</b>        | <b>4,466</b> |

# ATTACHMENT D

## INITIAL SITE ASSESSMENT REPORT (ISA)

**Memorandum**

**To:** Tammy Massengale, Chief  
NR Office of Environmental Support

**Date:** September 21, 2011

**File:** 03-Pla/Nev-20, 80,  
89&174  
**PM:** VAR  
Bridges Seismic  
Retrofit

**EA:** 03-3F050K  
**EFIS:** 0312000064

**From:** Jason Lee  
Office of Environmental Engineering Office – South (OEES)



**Subject:** Initial Site Assessment (ISA)

Per your request, OEES has performed an ISA for the above referenced project. The project will perform seismic retrofit of eleven bridges in Placer and Nevada Counties. No new right of way will be required. All work will take place within existing R/W.

The following bridges were reviewed by Bridge Inspection Records Information System (BIRIS):

| County | Route | Post Mile | Bridge Number | Structure Name         |
|--------|-------|-----------|---------------|------------------------|
| Placer | 174   | 0.62      | 19-0055       | Colfax OH              |
| Nevada | 89    | 4.87      | 17-0078       | Prosser Creek          |
| Nevada | 20    | R13.61    | 17-0079S      | Idaho-Maryland Road UC |
| Placer | 80    | R62.77    | 19-0124L      | South Yuba River       |
| Placer | 80    | 1.98      | 19-0079       | Douglas Blvd OC        |
| Placer | 80    | 35.12     | 19-0088       | North Long Ravine Up   |
| Placer | 80    | 12.3      | 19-0101       | Gilardi Road OC        |
| Placer | 80    | 35.11     | 19-0087       | South Long Ravine Up   |
| Placer | 80    | 17.12     | 19-0045       | West Auburn Up         |
| Placer | 80    | R64.08    | 19-0119L      | South Yuba River       |
| Placer | 80    | 13.99     | 19-0103       | Newcastle Up           |

Based on BIRIS and the nature of the project, the following hazardous material was identified for this project:

**1. Presumed Asbestos Containing Materials (PACM)**

PACM is present at abutments and rails. Without testing, asbestos is assumed to be present in the bridge. As such, an asbestos survey of the bridge will be required. Please include 120 hours under WBS 165.10 and \$16,500 in the budget to cover our time and the consultants cost to complete the asbestos site investigation.

**2. Aerially Deposited Lead (ADL)**

ADL in soil exists within our r/w due to historical use of leaded gasoline. Please use Standard Special Provision (SSP) 7-1.02K(6)(j)(iii) **Earth Material Containing Lead** in the PS&E and listing package.

**3. Yellow and white traffic stripe**

If yellow thermoplastic and/or paint striping is to be removed for this project and it is removed as an independent, then **SSP 15-2.02C(2) REMOVE TRAFFIC STRIPES AND PAVEMENT MARKINGS CONTAINING LEAD** is required. If it is removed with the entire road section then **SSP 15-1.03B RESIDUE CONTAINING LEAD FROM PAINT AND THERMOPLASTIC** is required.

**4. Lead Based Paint**

If this project is proposed to disturb the existing paint systems on the structure, it is required to include **SSP 14-11.08, DISTURBANCE OF EXISTING PAINT SYSTEMS ON BRIDGES.**

Thank you for your effort and time. If there are any significant changes to the proposed project, please contact OEES as soon as possible so the impact of the changes and further action, if any, can be assessed. If you have any questions, please call me at (530) 741-4494.

cc: File

Olawale Ajayi – Project Engineer

**ATTACHMENT E**

**HAZARDOUS WASTE  
INITIAL ESTIMATE**

Rajive  
Chadha/D03/Caltrans/CAGov  
09/07/2011 02:33 PM

To Olawale Ajayi/D03/Caltrans/CAGov@DOT, Winder  
Bajwa/D03/Caltrans/CAGov@DOT  
cc  
bcc  
Subject Re: 03-3F050 - Seismic Retrofit on 11 Bridges in Various  
Counties - Due Date September 29, 2011 

I am the acting branch chief for the NROEE and sending you this email to advise you on the A&E consultant costs during the site investigation phase of the above project. The best estimate for these costs related to Hazardous Waste studies is \$ 30 K. No A&E consultant costs are anticipated for Air, Noise, or storm water studies.

Rajive Chadha, B.A.Sc., P.E.  
Environmental Engineer  
North Region Hazardous Waste Office

phone (530) 741-4295  
fax (530) 741-4457

ATTACHMENT F

TRANSPORTATION  
MANAGEMENT PLAN  
(TMP)

DATA SHEET

# Memorandum

*Flex your power!  
Be energy efficient!*

**To:** Olawale Ajayi  
Project Engineer

**Date:** Sep.t 08, 2011

**File:** 03-3F050  
Pla&Nev/20,80,89,174/Var.  
PM : Var.  
Seismic Safety Project

**From:** MARK IJADI, B.S. T.E.  
TMP Coordinator  
Transportation Management Planning

**Subject:** Transportation Management Plan (TMP) Data Sheet

## Background

- The purpose of the project is the Seismic Retrofit of 11(eleven) Bridges in Placer and Nevada counties and to upgrade them to meet current seismic safety standards.
- For Traffic volumes refer to **Table-1**.
- For Truck volumes refer to **Table-2**.

| <b>Table-1: Traffic Volumes</b><br>(2010 Traffic Volumes on California State Highways) |                        |  |                   |
|--|------------------------|--|-------------------|
| <b>Location Description</b>  | <b>Type of Roadway</b> | <b>Peak-Hour (for 2way both directions combined)</b> | <b>AADT</b>       |
| 03-PLA-174-PM 0.62   | 2 Lane -2 way          | 350 vph  | 4,950 vpd         |
| 03-Pla-80-PM 1.98/64.08  | Multilane              | 1,900 - 7,700 vph                                    | 1,650-158,000 vpd |
| 03-Nev-89-PM 4.87  | 2 Lane -2 way          | 300 vph  | 1,650 vpd         |
| 03-Nev-20-PM 13.61   | 2 Lane -2 way          | 5,200 vph  | 48,000 vpd        |

| <b>Table-2: Truck Volumes</b><br>(2009 Truck Volumes on California State Highways) |                      |                 |
|--|----------------------|-----------------|
| <b>Location Description</b>  | <b>Location</b>      | <b>% Trucks</b> |
| 03-PLA-174-PM 0.62   | COLFAX OH            | 1.57            |
| 03-Pla-80-PM 1.98/64.08  | Various              | 5.76-18.95      |
| 03-Nev-89-PM 4.87  | FROSSER CREEK UC     | 15.97           |
| 03-Nev-20-PM 13.61   | IDAHO MARYLAND RD UC | 12.68           |

### **Recommendations**

- On Route 80 in Placer County and Route 20 in Nevada County, work will be limited to nighttime hours and no lane closures will be allowed during daytime and peak commute hours on weekdays.
- On State Routes 89 and 174, two lanes shall remain open at all times when construction operations are not actively in progress. During construction operations, a minimum of one paved traffic lane, not less than 11 feet wide, shall be open for use by public traffic with reversible traffic control using flaggers during construction hours.
- Closing an adjacent lane will be required when working on the shoulders.
- Delay damage clauses will be used with this project.
- Ramps adjacent to the closed freeway lanes may be closed.
- Detour route should be checked to ensure that it meets all Highway Design Manual requirements, including truck turning radii and vertical/horizontal clearances, especially when detour route requires traversing long distances along city/county roads.
- Lane closures on freeways and expressways will be performed in accordance with Standard Plan Sheet T10, "Traffic Control System for Lane Closure on Freeways and Expressways".
- Lane closures on the two-lane, two-way section of Routes 174 and 89 will be performed with reversible traffic control using flaggers, in accordance with Standard Plan Sheet T13.
- The maximum length of any lane closure shall be limited to 1 mile.
- Shoulder closures will be allowed during hours of lane closure.
- Portable changeable message signs (PCMS) will be required in the direction of traffic during construction for each lane or shoulder closure and bridge closure.
- PCMS should be utilized when closing a ramp. Before closing any ramp, a PCMS should be placed 7 days prior to the closure, as a warning to the public.
- No lane closures, shoulder closures, or other traffic restrictions will be allowed on Special Days, designated legal holidays and the day preceding designated legal holidays; and when construction operations are not actively in progress.
- Pedestrian access must be maintained during construction, with at least one sidewalk open on one side of the roadway at all times. Additional signs will be required to detour pedestrians when sidewalks are closed for contract work.
- Bicycle traffic must be maintained during construction. Additional signs and striping will be required to direct bicycle traffic when bikeways are closed for contract work.
- Work at all the locations may require the assistance of COZEEP, but a full-time COZEEP presence is not anticipated.
- Coordination with projects within, or nearby the project limits will be required to avoid conflicts. Care should be taken in the timing of the schedules of each project to ensure that they are not constructed at the same time, or at a minimum to ensure that all projects are coordinated during construction to minimize any interference among the various projects.
- If the detour is not usable by truck traffic, the office of Truck Permits should be notified.
- Lane closure charts will have to be developed prior to P&E.

**Cost**

For estimating purposes, use \$3000 per working day to estimate the costs that are required for the Traffic Management Plan (TMP) items. These items include Traffic Control System, Portable Changeable Message Signs, Maintain Traffic, and TMP-Public Information.

- COZEEP is estimated at \$1,000 per working day and \$2,000 per working night whenever CHP involvement is needed during construction. COZEEP estimate should include 2 officers per vehicle when performing night work.
- If there is a change in the scope of the project or the order of work (schedule), please advise the TMP unit, as this may affect the TMP estimate.
- 

**P & E Requirement**

To complete a TMP for this project, please provide the following to the Office of Traffic Management Planning at least three months prior to P&E: project description, title sheet, typical cross sections, layout sheets, construction cost estimates, number of working days, project schedule, and a contact person.

**Needed Resources**

TMP office will need the following resources to complete our work:

|              |           |
|--------------|-----------|
| Activity 160 | 120 hours |
| Activity 230 | 300 hours |
| Activity 255 | 80 hours  |
| Activity 265 | 30 hours  |
| Activity 270 | 80 hours  |
| Activity 285 | 20 hours  |

Recommended by: Mark Ijadi  
(Transportation Management Planning Coordinator)

# ATTACHMENT G

## RIGHT OF WAY DATA SHEET (RWDS)

## Memorandum

*Flex your power!  
Be energy efficient!*

**To:** Chuck Laughlin  
Chief, Design M-7  
Department of Transportation, District 3

Attention Olawale Ajayi  
Project Engineer

**Date:** September 7, 2011  
**E.A.** 3F050  
**PN:** 0312000059  
**File:** 03-NEV-PLA-20, 80, 89  
Seismic Retrofit on Bridges

**From:** JOHN BALLANTYNE  
Acting Chief, North Region Right of Way



**Subject:** Current Estimated Right of Way Costs

We have completed an estimate of the right of way costs for the above referenced project based on information received from you on August 31, 2011 .

Right of Way requests a minimum of 20 months lead time in order to complete the certification process in a timely manner.

Attachments:  
Right of Way Data Sheet

cc. Winder Bajwa

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**RIGHT OF WAY DATA SHEET**



Date: September 7, 2011  
 E.A. 3F050  
 PN: 0312000059  
 File: 03-NEV-PLA-20, 80, 89  
**Seismic Retrofit of Bridges**

**1. Right of Way Cost Estimate:**

|  | Current Value<br>Future Use | Escalation<br>Rate | Escalated<br>Value |
|--|-----------------------------|--------------------|--------------------|
| A. Total Acquisition Cost  | \$241,875                   | 5%                 | \$294,985          |
| B. Mitigation acquisition & credits                                | \$185,000                   | 5%                 | \$225,621          |
| C. Project Development Permit Fees                                 | \$7,463                     | 5%                 | \$9,102            |
| <b>Subtotal</b>  | <b>\$434,338</b>            |                    | <b>\$529,708</b>   |
| D. Utility Relocation (State Share)<br>(Owner's share: _____ \$0 ) | \$0                         |                    | \$0                |
| E. Relocation Assistance (RAP)                                     | \$0                         |                    | \$0                |
| F. Clearance/Demolition  | \$0                         |                    | \$0                |
| G. Title & Escrow  | \$0                         |                    | \$0                |
| H. Total Estimated Right of Way Cost                               | \$434,338                   | <b>Rounded</b>     | <b>\$530,000</b>   |
| I. Construction Contract Work                                      | \$0                         |                    |                    |

2. Current Date of Right of Way Certification October 1, 2015

**3. Parcel Data:**

| <u>Type</u>   | <u>Dual/Appr</u> | <u>Utilities</u>   | <u>RR Involvements</u> |
|---------------|------------------|--------------------|------------------------|
| X             | 0                | U4 - 1             | None                   |
| A             | 0                | - 2                | C&M Agrmt              |
| B             | 33               | - 3                | Svc Contract           |
| C             | 0                | - 4                | Easements              |
| D             | 0                | U5 - 7             | Rights of Entry        |
|               |                  | - 8                | Clauses                |
| <b>Total</b>  | <b>33</b>        | - 9                |                        |
| <br>          |                  |                    |                        |
| <b>Areas:</b> |                  |                    | <b>Misc. R/W Work</b>  |
| R/W:          | N/A              |                    | RAP Displ              |
| Excess:       | N/A              | No. Excess Pcls: 0 | Clear/Demo             |
| Mitigation:   | N/A              |                    | Const Permits          |
|               |                  |                    | Condemnation           |
|               |                  |                    | USA Involvement        |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**RIGHT OF WAY DATA SHEET**

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4. Are there any major items of construction contract work?

Yes \_\_\_\_\_ No  X

None have been identified.

5. Provide a general description of the right of way and excess lands required (zoning, use, major improvements, critical or sensitive parcels, etc.)

There are 11 structures. Right of Way anticipates 3 temporary construction easements per structure. Environmental permits fees and mitigation needs are included in this estimate.

6. Are any properties acquired for this project expected to be rented, leased, or sold?

Yes \_\_\_\_\_ No  X

7. Is there an effect on assessed valuation?

No  X

Yes \_\_\_\_\_ Not Significant \_\_\_\_\_

8. Are utility facilities or rights of way affected?

Yes \_\_\_\_\_ No  X

At this time the P.E. states there are no utility conflicts/relocations in connection with this project.

9. Are railroad facilities or rights of way affected?

Yes  X  No \_\_\_\_\_

Union Pacific Railroad is only railroad affected at 5 locations: Right of Entry , Preliminary Engineering Service Contract , Service Contract Flagging and C&M Agreements may be required.

10. Were any previously unidentified sites with hazardous waste and/or material found?

Yes \_\_\_\_\_ None Evident  X

11. Are RAP displacements required?

Yes \_\_\_\_\_ No  X

No. of single family

No. of business/nonprofit

No. of multi-family

No. of farms

Based on Draft/Final Relocation Impact Statement/Study dated N/A  
it is anticipated that sufficient replacement housing (will/will not) be available without  
Last Resort Housing.

12. Are there material borrow and/or disposal sites required?

Yes \_\_\_\_\_ No  X

13. Are there potential relinquishments and/or abandonments?

Yes \_\_\_\_\_ No  X

14. Are there any existing and/or potential airspace sites?

Yes \_\_\_\_\_ No  X

15. Indicate the anticipated Right of Way schedule and lead time requirements.

Right of Way requests a minimum of 20 months lead time in order to complete the certification process in a timely manner.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**RIGHT OF WAY DATA SHEET**

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16. Is it anticipated that Caltrans will perform all Right of Way work?  
Yes   X   No       

17. Assumptions and Limiting Conditions:

17.1 The mapping did not provide sufficient detail to determine the limits of the right of way required.

17.2 The transportation facilities have not been sufficiently designed so our estimator could determine the damages to any of the remainder parcels affected by the project.

17.3 Additional right of way requirements are anticipated, but are not defined due to the preliminary nature of the early design requirements.

17.4 Design will secure any necessary encroachment permits from local agencies.

17.5 This project is on the accelerated Project Initiation Document (PID) list.

17.6 This estimate assumes that mitigation will be acquired by credits and not by acquisition of new parcels. If parcels are required, resources, timeline and capital costs will need to be revised.

Evaluation Prepared By:

Right of Way:

  
\_\_\_\_\_  
MARIA E. MENDOZA

Date

10/17/11

Reviewed By:

RW Planning & Management:

  
\_\_\_\_\_  
PAUL SLOULIN

Date

10/17/11

I have personally reviewed this Right of Way Data Sheet and all supporting information. I certify that the probable Highest and Best Use, estimated values, escalation rates, and assumptions are reasonable and proper, subject to the limiting conditions set forth, and I find this Data Sheet to be complete and current.

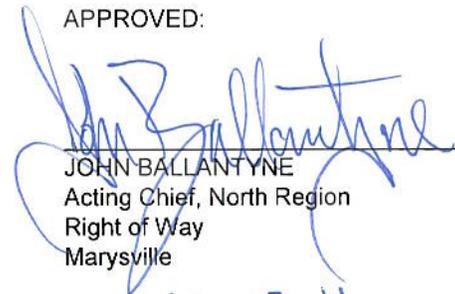
RECOMMENDED FOR APPROVAL

  
\_\_\_\_\_  
LEE ANN LAMBIRTH,  
Senior Right of Way Agent  
Project Coordination  
Marysville

Date

10/17/11

APPROVED:

  
\_\_\_\_\_  
JOHN BALLANTYNE  
Acting Chief, North Region  
Right of Way  
Marysville

Date

10-17-11

# ATTACHMENT H

## PROGRAMMING SHEET AND RESOURCES

**PROGRAMMING SHEET - 2011/2012**

EA: 03-3f050  
 Proj Name: No Nick

Project Manager: Winder Bajwa  
 Co-Rte-PM: NEV-020- 000.0/ 041.3

Date: 11/07/2011  
 Type: SHOPP

**PROJECT SCHEDULE**

| MILESTONE  |      | DATE (STATUS)  |
|--|------|----------------|
| Begin Environmental Document                       | M020 | 07/01/2012 (T) |
| Begin Project Report                               | M040 | 07/01/2012 (T) |
| Circulate Environmental Document (DED)             | M120 |                |
| Project Approval & Environmental Document (PA&ED)  | M200 | 01/15/2014 (T) |
| District Submits Bridge Site Data to Structures    | M221 | 01/15/2014 (T) |
| Right of Way Maps                                  | M224 | 01/15/2014 (T) |
| Regular Right of Way                               | M225 | 07/01/2014 (T) |
| District Plans, Specifications & Estimates to DOE  | M377 | 08/15/2015 (T) |
| Draft Structures Plans, Specifications & Estimates | M378 | 08/01/2015 (T) |
| District Plans, Specifications & Estimates (PS&E)  | M380 | 11/15/2015 (T) |
| Right of Way Certification                         | M410 | 01/15/2016 (T) |
| Ready to List (RTL)                                | M460 | 01/15/2016 (T) |
| Headquarters Advertise (HQ AD)                     | M480 | 02/01/2016 (T) |
| Approve Construction Contract                      | M500 | 05/01/2016 (T) |
| Contract Acceptance (CCA)                          | M600 | 10/01/2017 (T) |
| End Project  | M800 | 10/01/2020 (T) |

| ESTIMATE       | DATE     | AMOUNT   |
|----------------|----------|----------|
| ROADWAY        | 09/27/11 | \$ 2500  |
| BRIDGE         | 09/27/11 | \$ 11500 |
| Subtotal Const |          | \$ 14000 |
| RIGHT OF WAY   | 09/14/11 | \$ 530   |
| MITIGATION     |          | \$ 0     |
| Subtotal RW    |          | \$ 530   |
| GRAND TOTAL    |          | \$ 14530 |

| EXISTING PROGRAMMING |    |
|----------------------|----|
| PAED                 | \$ |
| PS&E                 | \$ |
| RW - Sup             | \$ |
| RW - Cap             | \$ |
| Const - Sup          | \$ |
| Const - Cap          | \$ |

\*Does not apply to RW Capital + Not Escalated ++ Only Escalated to 1 year into Future

**PROJECT COSTS BY SB45 CATEGORY**

| CAPITAL COST ESTIMATE<br>(Escalation Factor) | Prior Yrs+ | 11/12+ | 12/13<br>(3.5%) | 13/14<br>(3.5%) | 14/15<br>(3.5%) | 15/16<br>(3.5%) | Future++<br>(3.5%) | Total     |         |
|--|------------|--------|-----------------|-----------------|-----------------|-----------------|--------------------|-----------|---------|
| Right of Way                                 |            |        |                 | 187             | 393             |                 |                    | \$ 581    |         |
| Construction                                 |            |        |                 |                 |                 | 16065           |                    | \$ 16,065 |         |
| <b>CAPITAL COSTS TOTAL</b>                   |            |        |                 |                 |                 |                 |                    | \$ 16,646 |         |
| SUPPORT COSTS (Escalation Factor)            |            |        | (1.5%)          | (1.5%)          | (1.5%)          | (1.5%)          | (1.5%)             |           | Sup/Cap |
| PAED   |            | 7      | 855             | 27              |                 |                 |                    | \$ 889    | 5.34%   |
| PS&E   |            |        | 212             | 411             | 600             | 349             |                    | \$ 1,571  | 9.44%   |
| Right of Way                                 |            |        |                 | 170             | 353             | 206             | 100                | \$ 829    | 4.98%   |
| Construction                                 |            |        |                 |                 |                 | 259             | 2040               | \$ 2,298  | 13.81%  |
| <b>SUPPORT COSTS TOTAL</b>                   |            |        |                 |                 |                 |                 |                    | \$ 5,587  | 33.56%  |
| <b>TOTAL PROJECT COSTS</b>                   |            |        |                 |                 |                 |                 |                    | \$ 22,233 |         |

**PROJECT SUPPORT IN PYS**

|                                       | Prior Yrs   | 11/12       | 12/13       | 13/14       | 14/15       | 15/16       | Future       | Total        | PY %   |
|---------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------|
| Environmental                         | 0.00        | 0.01        | 2.28        | 0.24        | 0.27        | 0.21        | 0.37         | 3.38         | 8.80%  |
| Design                                | 0.00        | 0.00        | 1.68        | 0.98        | 1.21        | 0.52        | 0.14         | 4.53         | 11.79% |
| Engineering Services                  | 0.00        | 0.00        | 0.33        | 0.15        | 0.22        | 0.55        | 0.17         | 1.42         | 3.70%  |
| Surveys                               | 0.00        | 0.00        | 0.92        | 1.16        | 0.11        | 0.10        | 0.34         | 2.63         | 6.85%  |
| Right of Way                          | 0.00        | 0.00        | 0.29        | 0.04        | 2.66        | 1.47        | 0.31         | 4.77         | 12.42% |
| Traffic                               | 0.00        | 0.00        | 0.21        | 0.17        | 0.16        | 0.09        | 0.09         | 0.72         | 1.87%  |
| Construction                          | 0.00        | 0.00        | 0.01        | 0.00        | 0.01        | 0.70        | 5.17         | 5.89         | 15.33% |
| Project Management                    | 0.00        | 0.02        | 0.08        | 0.07        | 0.06        | 0.06        | 0.13         | 0.42         | 1.09%  |
| District Units*                       | 0.00        | 0.01        | 1.34        | 0.21        | 0.22        | 0.18        | 0.31         | 2.27         | 5.91%  |
| <b>Subtotal Dist/Region Resources</b> | 0.00        | 0.04        | 7.14        | 3.02        | 4.92        | 3.88        | 7.03         | 26.03        | 67.77% |
| 59-DES Project Development            | 0.00        | 0.00        | 1.55        | 0.80        | 1.74        | 0.56        | 0.60         | 5.25         | 13.67% |
| 59-DES Structures Foundation          | 0.00        | 0.00        | 0.02        | 0.03        | 0.04        | 0.01        | 0.05         | 0.15         | 0.39%  |
| 59-Office Engineer                    | 0.00        | 0.00        | 0.00        | 0.00        | 0.01        | 0.20        | 0.00         | 0.21         | 0.55%  |
| 59-DES Project Management             | 0.00        | 0.01        | 0.03        | 0.03        | 0.03        | 0.02        | 0.04         | 0.16         | 0.42%  |
| 59-DES Construction                   | 0.00        | 0.00        | 0.01        | 0.04        | 0.08        | 0.82        | 5.66         | 6.61         | 17.21% |
| 59-DES Other Units**                  | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00         | 0.00         | 0.00%  |
| <b>Subtotal DES Resources</b>         | 0.00        | 0.01        | 1.61        | 0.90        | 1.90        | 1.61        | 6.35         | 12.38        | 32.23% |
| <b>TOTAL PYS</b>                      | <b>0.00</b> | <b>0.05</b> | <b>8.75</b> | <b>3.92</b> | <b>6.82</b> | <b>5.49</b> | <b>13.38</b> | <b>38.41</b> |        |

\*Admin, Plng, Maintenance

\*\*DES Admin, DES Plng, DES Maintenance

HRS/PYS = 1758

Comments:

# ATTACHMENT I

## PROJECT COST ESTIMATE

**PROJECT SCOPE SUMMARY REPORT COST ESTIMATE**

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|              |  |
|--------------|--|
| Dist-Co-Rte  | <u>03-PLA-80 &amp; 174 / NEV-20 &amp; 89</u> |
| KP (PM)      | <u>VAR</u>                                   |
| EA           | <u>03-3F050K</u>                             |
| Program Code | <u>20.10.201.113</u>                         |

**PROJECT DESCRIPTION:**

**Limits:** \_\_\_\_\_

**Proposed Improvement (Scope):** Seismic Retrofit of Eleven (11) Bridges in PLACER & NEVADA Counties.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Alternative:** \_\_\_\_\_

**SUMMARY OF PROJECT COST ESTIMATE**

|  |    |                             |
|--|----|-----------------------------|
| TOTAL ROADWAY ITEMS  | \$ | <u>2,335,452</u>            |
| TOTAL STRUCTURE ITEMS  | \$ | <u>11,542,000</u>           |
| SUBTOTAL CONSTRUCTION COSTS                                    | \$ | <u>13,877,452</u>           |
| TOTAL RIGHT OF WAY ITEMS                                       | \$ | <u>530,000</u>              |
| TOTAL PROJECT CAPITAL OUTLAY COSTS                             | \$ | <b><u>14,407,452</u></b>    |
| TOTAL PROJECT CAPITAL OUTLAY COSTS (1 Year escalation of 3.5%) | \$ | <u>14,912,000</u>           |
| TOTAL PROJECT CAPITAL OUTLAY COSTS (1 Year escalation of 3.5%) | \$ | <u>15,434,000</u>           |
| TOTAL PROJECT CAPITAL OUTLAY COSTS (1 Year escalation of 3.5%) | \$ | <u>15,975,000</u>           |
|  | \$ | <u>                    </u> |
|  | \$ | <b><u>16,000,000</u></b>    |

SAY

|   |             |        |
|---|-------------|--------|
| <b>Prepared by</b>                            |             |        |
| <b>Project Engineer:</b> <u>Olawale Ajayi</u> | _____       | _____  |
|   | (Signature) | (Date) |

|                               |             |        |
|-------------------------------|-------------|--------|
| <b>Approved by</b>            |             |        |
| <b>Project Manager:</b> _____ | _____       | _____  |
|                               | (Signature) | (Date) |

**PROJECT SCOPE SUMMARY REPORT COST ESTIMATE**

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|             |  |
|-------------|--|
| Dist-Co-Rte | <u>03-PLA-80 &amp; 174 / NEV-20 &amp; 89</u> |
| KP (PM)     | <u>VAR</u>                                   |
| EA          | <u>03-3F050K</u>                             |

**I. ROADWAY ITEMS**

| <u>Section 1 - Earthwork</u> | <u>Quantity</u> | <u>Unit</u> | <u>Unit Price</u> | <u>Item Cost</u>    | <u>Section Cost</u> |
|------------------------------|-----------------|-------------|-------------------|---------------------|---------------------|
| Roadway Excavation           | _____           | _____       | _____             | \$0                 |                     |
| Imported Borrow              | _____           | _____       | _____             | \$0                 |                     |
| Clearing & Grubbing          | 0.0             | LUMP SUM    | _____             | \$0                 |                     |
|                              |                 |             |                   | Subtotal Earthwork: | \$0                 |

Section 2 - Structural Section\*

|                          |       |       |       |                              |     |
|--------------------------|-------|-------|-------|------------------------------|-----|
| OGAC                     | _____ | _____ | _____ | \$0                          |     |
| AC (type A)              | _____ | _____ | _____ | \$0                          |     |
| Additional AC            | _____ | _____ | _____ | \$0                          |     |
| Lean Concrete Base       | _____ | _____ | _____ | \$0                          |     |
| Cement-Treated Base      | _____ | _____ | _____ | \$0                          |     |
| Aggregate Base (class 2) | _____ | _____ | _____ | \$0                          |     |
| Treated Permeable Base   | _____ | _____ | _____ | \$0                          |     |
| Agg. Subbase (class 2)   | _____ | _____ | _____ | \$0                          |     |
| Pvmt Reinforcing Fabric  | _____ | _____ | _____ | \$0                          |     |
| Edge Drains              | _____ | _____ | _____ | \$0                          |     |
| Paint Binder             | _____ | _____ | _____ | \$0                          |     |
|                          |       |       |       | Subtotal Structural Section: | \$0 |

Section 3 - Drainage

|                              |   |    |       |     |
|------------------------------|---|----|-------|-----|
| Remove flared end Section    | 0 | EA | _____ | \$0 |
| 18" Cured-in-place Pipeliner | 0 | LF | _____ | \$0 |
| 24" Cured-in-place Pipeliner | 0 | LF | _____ | \$0 |
| 30" Cured-in-place Pipeliner | 0 | LF | _____ | \$0 |
| 36" Cured-in-place Pipeliner | 0 | LF | _____ | \$0 |
| 42" Cured-in-place Pipeliner | 0 | LF | _____ | \$0 |
| 48" Cured-in-place Pipeliner | 0 | LF | _____ | \$0 |
| 60" Cured-in-place Pipeliner | 0 | LF | _____ | \$0 |

**PROJECT SCOPE SUMMARY REPORT COST ESTIMATE**

|             |                               |
|-------------|-------------------------------|
| Dist-Co-Rte | 03-PLA-80 & 174 / NEV-20 & 89 |
| KP (PM)     | VAR                           |
| EA          | 03-3F050                      |

|                           | <u>Quantity</u> | <u>Unit</u>     | <u>Unit Price</u> | <u>Item Cost</u> | <u>Section Cost</u> |
|---------------------------|-----------------|-----------------|-------------------|------------------|---------------------|
| 18" steel FES             | 0               | EA              |                   | \$0              |                     |
| 24" steel FES             | 0               | EA              |                   | \$0              |                     |
| 30" steel FES             | 0               | EA              |                   | \$0              |                     |
| 48" steel FES             | 0               | EA              |                   | \$0              |                     |
| Minor conc. Invert Paving | 0               | YD <sup>3</sup> |                   | \$0              |                     |

Subtotal Drainage: \$0

| <u>Section 4 - Specialty Items</u> | <u>Quantity</u> | <u>Unit</u> | <u>Unit Price</u> | <u>Item Cost</u> | <u>Section Cost</u> |
|------------------------------------|-----------------|-------------|-------------------|------------------|---------------------|
| TRO                                | 1               | Lump Sum    |                   | \$0              |                     |
| Landscape                          | 1               | Lump Sum    |                   | \$73,200         |                     |
| Hazardous Waste                    | 1               | Lump Sum    |                   | \$30,000         |                     |
| Environmental Mitigation           | 1               | Lump Sum    |                   | \$0              |                     |
| BMP                                | 1               | Lump Sum    |                   | \$0              |                     |
| Water Pollution Control            | 1               | Lump Sum    |                   | \$0              |                     |

Subtotal Specialty Items: \$103,200

| <u>Section 5 - Traffic Items</u> | <u>Quantity</u> | <u>Unit</u> | <u>Unit Price</u> | <u>Item Cost</u> | <u>Section Cost</u> |
|----------------------------------|-----------------|-------------|-------------------|------------------|---------------------|
| Traffic Management Plan          | 1               | Lump Sum    | \$0               | \$600,000        |                     |
| COZEEP                           | 1               | Lump Sum    | \$0               | \$800,000        |                     |

Subtotal Traffic Items: \$1,400,000

TOTAL SECTIONS 1 thru 5 **\$1,503,200**

|                                |  |  |  |                  |                     |
|--------------------------------|--|--|--|------------------|---------------------|
| <u>Section 6 - Minor Items</u> |  |  |  | <u>Item Cost</u> | <u>Section Cost</u> |
|--------------------------------|--|--|--|------------------|---------------------|

|                              |                    |   |             |   |                  |
|------------------------------|--------------------|---|-------------|---|------------------|
|                              | <u>\$1,503,200</u> | x | <u>0.10</u> | = | <u>\$150,320</u> |
| (Subtotal Sections 1 thru 5) |                    |   | (10%)       |   |                  |

TOTAL SECTION 6 MINOR ITEMS: **\$150,320**

**PROJECT SCOPE SUMMARY REPORT COST ESTIMATE**

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|             |  |
|-------------|--|
| Dist-Co-Rte | <u>03-PLA-80 &amp; 174 / NEV-20 &amp; 89</u> |
| KP (PM)     | <u>VAR</u>                                   |
| EA          | <u>03-3F050</u>                              |

Section 7 - Roadway Mobilization

|                                     |   |             |   |                         |
|-------------------------------------|---|-------------|---|-------------------------|
| <u>\$1,653,520</u>                  | x | <u>0.10</u> | = | <u>\$165,352</u>        |
| (Subtotal Sections 1 thru 6)        |   | (10%)       |   |                         |
| TOTAL SECTION 7 MOBILIZATION ITEMS: |   |             |   | <u><b>\$165,352</b></u> |

Section 8 - Roadway Additions

Supplemental Work

|                              |   |             |   |                  |
|------------------------------|---|-------------|---|------------------|
| <u>\$1,653,520</u>           | x | <u>0.10</u> | = | <u>\$165,352</u> |
| (Subtotal Sections 1 thru 6) |   | (10%)       |   |                  |

Contingencies

|                              |   |             |   |                  |
|------------------------------|---|-------------|---|------------------|
| <u>\$1,653,520</u>           | x | <u>0.15</u> | = | <u>\$248,028</u> |
| (Subtotal Sections 1 thru 6) |   | (15%)       |   |                  |

TOTAL SECTION 8 ROADWAY ADDITIONS: **\$413,380**

TOTAL ROADWAY ITEMS: **\$2,335,452**  
(Subtotal Sections 1 thru 8)

Estimate Prepared by: Olawale Ajayi  
(Print Name)

Phone: 530-741-4478  
(Date)

Estimate Checked by: \_\_\_\_\_  
(Print Name)

Phone: \_\_\_\_\_  
(Date)

**PROJECT SCOPE SUMMARY REPORT COST ESTIMATE**

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|             |                               |
|-------------|-------------------------------|
| Dist-Co-Rte | 03-PLA-80 & 174 / NEV-20 & 89 |
| KP (PM)     | VAR                           |
| EA          | 03-3F050                      |

**II. STRUCTURE ITEMS**

**STRUCTURE**

|                          | No. 1            | No. 2            | No. 3         | No. 4          |
|--------------------------|------------------|------------------|---------------|----------------|
| Bridge Name              | Douglas OH       | Gilardi OC       | Newcastle UP  | West Auburn UP |
| Bridge Number            | 19 0079          | 19 0101          | 19 0103       | 19 0045        |
| Structure Type           |                  |                  |               |                |
| Width (out to out)       |                  |                  |               |                |
| Span Length              |                  |                  |               |                |
| Total Area               |                  |                  |               |                |
| Total Cost for Structure | \$256,000        | \$818,000        | \$30,000      | \$774,000      |
|                          |                  |                  |               |                |
|                          | No. 5            | No. 6            | No. 7         | No. 8          |
| Bridge Name              | S.Long Ravine UP | N.Long Ravine UP | S. Yuba River | S. Yuba River  |
| Bridge Number            | 19 0087          | 19 0088          | 19 0124L      | 19 0119L       |
| Structure Type           |                  |                  |               |                |
| Width (out to out)       |                  |                  |               |                |
| Span Length              |                  |                  |               |                |
| Total Area               |                  |                  |               |                |
| Total Cost for Structure | \$1,020,000      | \$5,790,000      | \$1,680,000   | \$328,000      |
|                          |                  |                  |               |                |
|                          | No. 9            | No. 10           | No. 11        |                |
| Bridge Name              | Colfax OH        | Idaho-M/land UC  | Prosser Creek |                |
| Bridge Number            | 19 0055          | 17 0079S         | 17 0078       |                |
| Structure Type           |                  |                  |               |                |
| Width (out to out)       |                  |                  |               |                |
| Span Length              |                  |                  |               |                |
| Total Area               |                  |                  |               |                |
| Total Cost for Structure | \$440,000        | \$257,000        | \$149,000     |                |
|                          |                  |                  |               |                |

SUBTOTAL STRUCTURES ITEMS \$11,542,000

Railroad Related Costs \$0

**TOTAL STRUCTURES ITEMS \$11,542,000**

