**REI MARY REVISO_ N S AVER DATES**
**DISREGARD PRINTS BEARING**
**COMPLETE COPIES OF THIS PLAN SHEET.**

### REGISTERED CIVIL ENGINEER

- **DATE**: 
- **PLANS APPROVAL DATE**: 
- **SIGNATURE**
- **R E G I S T E R E D C I V I L E N G I N E E R**

### COUNTY ROUTE TOTAL PROJECT

- **POST MILES**
- **SHEET**
- **SHEETS**
- **TOTAL**

### BRIDGE STANDARD DETAILS

- **NO.**
- **EXP.**
- **CIVIL**
- **X**

### CONTRACT No.

- **#5 Cont**

### SOUND WALL MASONRY BLOCK ON BRIDGE

### TYPICAL SECTION

**TYPICAL SECTION**

- **ALL CELLS GROUTED FOR LOWER 6'-8" WALL**
- **LOWER WALL Reinf**
- **UPPER WALL Reinf**
- **LOWER WALL Reinf**
- **UPPER WALL Reinf**
- **BOND BEAM AT TOP AND AT 4'-0" MAXIMUM CENTERS BELOW**
- **M5 CONT AT EACH BOND BEAM 4" WIDE, 3" DEEP OPENING, Typ**
- **M5 CONT AT EACH OF THE LOWER 6 BOND BEAMS, 4" WIDE, X 2" DEEP OPENING, Typ**

### DESIGN NOTES

**DESIGN NOTES**

- **AASHTO LRFD Bridge Design Specs, 8th Ed.**
- **2016 California Building Code**
- **DESIGN WIND LOAD**
- **DESIGN SEISMIC LOAD**
- **DESIGN IMPACT LOAD**
- **REINFORCED CONCRETE & CONCRETE MASONRY**

- **f'c = 3600 psi**
- **f'y = 60 ksi**
- **f'm = 2500 psi for high-strength block**

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### TOLERANCES

- **Maximum slope ±10%**
- **Slope ground at traffic side of barrier to drain. Maximum slope 10%.**

### JOINTS

- **Horizontal joints shall be tooled concave or may be raked.**
- **Vertical joints shall be tooled concave.**

### REINFORCEMENT

- **A minimum of 2-9 gauge wire continuous at 4'-0" MAXIMUM**
- **Galvanized joint reinforcement shall be provided.**

### MATERIALS

- **Provide materials to achieve the net compressive strength of concrete masonry units equal or greater than specified f'm.**

### OTHER DETAILS

- **See Standard Plans B15-9, "SOUND WALL MASONRY BLOCK MISCELLANEOUS DETAILS", for other details.**

### LIMITS OF SECTION A-A

- **Limits of Section A-A**
- **2'-8" LAP**
- **2- #6 BARS @ 16" SPACING**
- **CELLS GROUTED FOR LOWER 6'-8" WALL**
- **8"x8"x1'-4" CONCRETE BLOCK**

### LIMITS OF SECTION B-B

- **Limits of Section B-B**
- **4'-0" MIN BOND BEAM AND REINF EXTENSION AT STEP**
- **4'-0" MIN WALL HEIGHT**
- **REINF EXTENSION AT STEP**
- **ALL CELLS GROUTED FOR LOWER 6'-8" WALL**

### NOTES

1. **Stake ground at traffic side of barrier to drain. Maximum slope 10%.**
2. **See Standard Plans B15-9, "SOUND WALL MASONRY BLOCK MISCELLANEOUS DETAILS", for other details.**
3. **For type of block and joint finish, see other sheets.**
4. **When blocks are laid in stacked bond, ladder type, galvanized joint reinforcement shall be provided. Minimum of 2-9 gauge wire continuous at 4'-0" MAXIMUM joints that are at the approximate midpoint between bond members.**
5. **Horizontal joints shall be tooled concave or may be raked. Vertical joints shall be tooled concave or may be raked.**
6. **Minimum wall height shall be 4'-6". Maximum wall height shall be 10'-6".**

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**STATE OF CALIFORNIA**
**DEPARTMENT OF TRANSPORTATION**
**DIVISION OF ENGINEERING SERVICES**
**SUPPLEMENTAL SHEETS**
**PROJECT NUMBER & PHASE**
**CONTACT NO.**

**DATE**

- **October 2019**
- **9-25-19**
- **10-3-19**
- **10-14-19**
- **10-14-19**
- **10-14-19**

**REFERENCE**