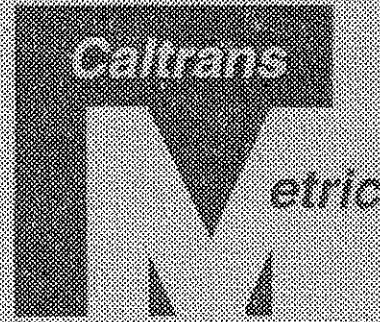


# SAMPLE



STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

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## NOTICE TO CONTRACTORS AND SPECIAL PROVISIONS

FOR CONSTRUCTION ON STATE HIGHWAY IN  
SAN BENTO COUNTY IN AND NEAR SAN JUAN BAUTISTA FROM 0.4 KM EAST OF ROUTE 101/156  
SEPARATION TO 0.1 KM WEST OF ALAMEDA STREET

DISTRICT 05, ROUTE 156

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For Use in Connection with Standard Specifications Dated JULY 1999, Standard Plans Dated JULY 1999, and Labor  
Surcharge and Equipment Rental Rates.

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CONTRACT NO. 05-0E3603

05-SB-156-0.4/4.7

Federal Aid Project

ACSTPHG-P1560141E

Except as otherwise designated by classification on the plans or in the specifications, joints for culvert and drainage pipes shall conform to the plans or specifications for standard joints.

When reinforced concrete pipe is installed in conformance with the details shown on Revised Standard Plan A62DA, the fifth paragraph of Section 19-3.04, "Water Control and Foundation Treatment," of the Standard Specifications shall not apply.

When solid rock or other unyielding material is encountered at the planned elevation of the bottom of the bedding, the material below the bottom of the bedding shall be removed to a depth of 1/50 of the height of the embankment over the top of the culvert, but not less than 150 mm nor more than 300 mm. The resulting trench below the bottom of the bedding shall be backfilled with structure backfill material in conformance with the provisions in Section 19-3.06, "Structure Backfill," of the Standard Specifications.

The excavation and backfill below the planned elevation of the bottom of the bedding will be paid for as extra work as provided in Section 4-1.03D, "Extra Work," of the Standard Specifications.

The Outer Bedding shown on Revised Standard Plan A62DA shall not be compacted prior to placement of the pipe.

#### **10-1.31 CORRUGATED METAL PIPE**

Corrugated steel culverts shall conform to the provisions in Section 66, "Corrugated Metal Pipe," of the Standard Specifications.

#### **10-1.32 MISCELLANEOUS IRON AND STEEL**

Miscellaneous iron and steel shall conform to the provisions in Section 75, "Miscellaneous Metal," of the Standard Specifications.

#### **10-1.33 CONCRETE BARRIER (TYPE 60S) (ARCHITECTURAL TREATMENT, TYPE 1)**

Concrete Barrier (Type 60S) (Architectural Treatment, Type 1) shall conform to the provisions in Section 83-2, "Barriers" of the Standard Specifications, plans and these special provisions. Architectural Treatment (Type 1) shall be applied to concrete barrier (Type 60S) constructed from "LOL" Sta. 3+60.00 to Sta. 9+70.00 and from Sta. 14+72.00 to Sta. 34+09.00.

Concrete barriers shall be constructed on a layer of Class 2 Aggregate Base as shown on the plans. Aggregate base shall conform to the provisions in "Aggregate Base" of these special provisions. When concrete barriers are to be constructed on aggregate base, the height of the barriers shall be adjusted to compensate for irregularities in the surface of the finished aggregate base. The amount of adjustment will be determined by the Engineer and will be ordered before the concrete is placed.

The provisions of the third paragraph in Section 83-2.02D(4), "Finishing," of the Standard Specifications shall not apply.

Concrete Barrier (Type 60S) (Architectural Treatment, Type 1) shall be constructed by the "SlipStone Extruded Wall System" extrusion method or equal, in conformance with Section 83-2.02D(3b) "Extrusion or Slip Form", of the Standard Specifications, and in conformance with "SlipStone Extruded Wall System" extrusion system or equal recommendations.

The "SlipStone Extruded Wall System" method for constructing concrete barrier may be obtained from the following source:

Slipstone, Inc.  
P.O. Box 1197  
6001 South El Dorado Street  
French Camp, CA 95231  
Telephone (209) 983-4910  
Fax (209) 983-4913

The price quoted by the proprietor of the "Slip Stone Extruded Wall System" is \$170.00 per meter of Concrete Barrier (Type 60S) (Architectural Treatment, Type 1) complete in place. The above price is guaranteed through June 30, 2005.

#### **ARCHITECTURAL TREATMENT**

Concrete Barrier (Type 60S) (Architectural Treatment, Type 1) surfaces shall conform to the details shown on the plans and these special provisions.

#### **SURFACE TEXTURE**

Concrete Barrier (Type 60S) (Architectural Treatment, Type 1) shall include surface texture in a random stone pattern applied to both sides of the barrier, to the top of the barrier, and to the ends of the barrier. Texture shall conform to the details shown on the plans and the referee sample and shall extend to the finished grade. The simulated joints between

simulated stones shall vary in width and depth, with a minimum width of 5 mm and a maximum width of 20 mm, and a minimum depth of 10 mm and a maximum depth of 25 mm. The maximum surface differential across the projected face of the concrete barrier between adjacent simulated stones shall be 5 mm.

The architectural treatment pattern shall have a horizontal repetition of not less than 2.7 meters and shall not repeat vertically.

### **COLORING**

Coloring for Concrete Barrier (Type 60S)(Architectural Treatment, Type 1) shall include a minimum of three applied colors and sealant. Color shall be concrete stain or concrete paint or approved equal. Sealant shall be as recommended by the manufacturer of the color. Colors shall be in the warm tan to muted gray-brown hue range, similar to July 1994 Federal Standard 595B Colors 23578, 23448, and 20318. Surface coloring shall be applied to 90 percent of the architectural treatment surface area and shall be applied during the same work shift that the barrier is constructed. Surface color shall not be applied to the simulated joint lines. The three colors shall be applied to the surface of the concrete in proportions of one third per color. Surface coloring shall be applied in a random appearing pattern to the individual simulated stones with varying application rates to simulate the look of natural stones.

### **REFEREE SAMPLE**

Concrete Barrier (Type 60S)(Architectural Treatment, Type 1) shall match the random stone pattern of the referee sample image. Color samples and the referee sample image are available for inspection by bidders at the Caltrans District 05 Office, Landscape Architecture Section, 1150 Laurel Lane, San Luis Obispo, California 94301. Samples are available for inspection Monday through Friday, between the hours of 8:00 AM and 4:00 PM. Call (805) 542-4679 or (805) 549-3509 to arrange inspection time and date. The referee image is derived from the existing stone wall located in front of the San Juan Bautista Mission on Second Street, in San Juan Bautista, California.

### **TEST PANELS AND TEST SECTIONS**

Concrete Barrier (Type 60S)(Architectural Treatment, Type 1) shall not be placed on the project prior to written approval by the Engineer of the test panels and test sections prepared and submitted by the Contractor. Prior to preparing test panels and sections, the Contractor shall submit to the Engineer for approval architectural drawings showing the pattern and dimensions of the architectural treatment and color chip samples prior to the start of test panels.

Five test samples shall be successfully completed at a location approved by the Engineer. Three 1200 mm by 735 mm by 75 mm test panels of the barrier texture shall be submitted for approval. Each test panel shall be exposed to direct sunlight for a minimum period of 10 calendar days after color is applied. Two test sections of Type 60S barrier, a minimum of 9 m in length, shall be constructed and finished with the materials, colors, tools, equipment and methods specified in these special provisions and as shown on the plans and in conformance with the approved test panels. If ordered by the Engineer, additional test panels and test sections shall be constructed and finished until the specified finish, texture and color are obtained, as determined by the Engineer. In the event additional test panels or test sections are required by the Engineer, each additional panel or section will be paid for as extra work as provided in Section 4-1.03D of the Standard Specifications.

The final approved test section shall be used as the standard of comparison in determining acceptability of architectural treatment and color for concrete barrier surfaces. As ordered by the Engineer, the Contractor shall remove and dispose of the test panels and sections and return the site to its original condition. The Contractor shall provide the Engineer with four liters of each of the final approved colors and sealant.

### **WILDLIFE PASSAGE WAY**

Wildlife passage ways (Type L and Type S) shall be constructed in conformance with the details and placed at those locations shown on the plans.

### **MEASUREMENT AND PAYMENT**

Concrete Barrier (Type 60S)(Architectural Treatment, Type 1) will be measured by the meter as determined by actual measurement in place of finished work, without deductions for wildlife passage ways (Type S) in the concrete barrier. The contract price paid per meter for Concrete Barrier (Type 60S)(Architectural Treatment, Type 1) shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in constructing the concrete barrier, complete in place, including architectural surface texturing and coloring, test panels and sections, bar reinforcing steel, and for removal and disposal of test panels and sections, as shown on the plans, as specified in these special provisions, and as directed by the Engineer. Full compensation for constructing wildlife passage ways (Type L and Type S) shall be considered as included in the contract price paid per meter for Concrete Barrier (Type 60S)(Architectural Treatment, Type 1) and no separate payment will be made therefor.

### **10-1.34 CONCRETE BARRIER (TYPE 60S) (ARCHITECTURAL TREATMENT, TYPE 2)**

Concrete Barrier (Type 60S) (Architectural Treatment, Type 2) shall conform to the provisions in Section 83-2, "Barriers," of the Standard Specifications and these special provisions. Architectural Treatment (Type 2) shall be applied to concrete barrier (Type 60S) constructed from "LOL" Sta. 37+50.00 to Sta. 39+93.00.

Concrete barriers shall be constructed on a layer of Class 2 Aggregate Base as shown on the plans. Aggregate base shall conform to the provisions in "Aggregate Base" of these special provisions. When concrete barriers are to be constructed on aggregate base, the height of the barriers shall be adjusted to compensate for irregularities in the surface of the finished aggregate base. The amount of adjustment will be determined by the Engineer and will be ordered before the concrete is placed.

The provisions of the third paragraph in Section 83-2.02D(4), "Finishing," of the Standard Specifications shall not apply.

#### **ARCHITECTURAL TREATMENT**

Concrete Barrier (Type 60S)(Architectural Treatment, Type 2) surfaces shall conform to the details shown on the plans and these special provisions.

#### **COLORING**

Coloring for Concrete Barrier (Type 60S) (Architectural Treatment, Type 2) shall be one color and sealant. Color shall be concrete stain or concrete paint or approved equal. Sealant shall be as recommended by the manufacturer of the color. The color shall be in the muted warm gray-brown hue range, similar to July 1994 Federal Standard 595B Color 23448. Surface coloring and sealant shall be applied to the top, the end, and to both sides of the concrete barrier (Type 60S). Color shall be uniform such that the new concrete barrier (Type 60S) and the existing concrete barrier (Type 50C) and its retaining wall match and blend together visually.

#### **REFEREE SAMPLE**

A color sample is available for inspection by bidders at the Caltrans District 05 Office, Landscape Architecture Section, 1150 Laurel Lane, San Luis Obispo, California 94301. Samples are available for inspection Monday through Friday, between the hours of 8:00 AM and 4:00 PM. Call (805) 542-4679 or (805) 549-3509 to arrange inspection time and date.

#### **TEST PANELS AND TEST SECTIONS**

Concrete Barrier (Type 60S) (Architectural Treatment, Type 2) shall not be placed on the project prior to written approval by the Engineer of the test panels and test sections prepared and submitted by the Contractor. Prior to preparing test panels and test sections, the Contractor shall submit to the Engineer for approval color chip samples and manufacturers specifications for color and sealant. Four test samples shall be successfully completed at a location approved by the Engineer. Two 1200 mm by 735 mm by 75 mm test panels of the color and sealant for concrete barrier (Type 60S) shall be submitted for approval. Test panels shall be constructed and finished with the concrete mixture, colors, tools, equipment and methods to be used in construction of concrete barrier (Type 60S). If ordered by the Engineer, additional test panels and test sections shall be constructed and finished until the specified color is obtained, as determined by the Engineer. In the event additional test panels or test sections are required by the Engineer, each additional panel or section will be paid for as extra work as provided in Section 4-1.03D of the Standard Specifications. The final approved test section shall be used as the standard of comparison in determining acceptability of color for concrete barrier surfaces. As ordered by the Engineer, the Contractor shall remove and dispose of the test panels and sections and return the site to its original condition. The Contractor shall provide the Engineer with four liters of the final approved color and sealant.

#### **WILDLIFE PASSAGE WAY**

Wildlife passage ways (Type L and Type S) shall be constructed in conformance with the details and placed at those locations shown on the plans.

#### **MEASUREMENT AND PAYMENT**

Concrete Barrier (Type 60S) (Architectural Treatment, Type 2) will be measured by the meter as determined by actual measurement in place of finished work, without deductions for wildlife passage ways (Type S) in concrete barrier. The contract price paid per meter for Concrete Barrier (Type 60S)(Architectural Treatment, Type 2) shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in constructing the concrete barrier, complete in place, including architectural surface texturing and coloring, test panels and sections, bar reinforcing steel, and for removal and disposal of test panels and sections, as shown on the plans, as specified in these specifications and the special provisions, and as directed by the Engineer. Full compensation for constructing wildlife passage ways (Type S) shall be considered as included in the contract price paid per meter for Concrete Barrier (Type 60S)(Architectural Treatment, Type 2) and no separate payment will be made therefor.