

**COUNTY OF VENTURA
PUBLIC WORKS AGENCY**

M E M O R A N D U M

June 28, 2023

To: Jeff Pratt, Director – Public Works Agency *JP*

Via: Anitha Balan, Director Roads & Transportation *AB*

From: Chris Hooke, Deputy Director Roads & Transportation *CH*
Joshua Patricio, Project Engineer *JP*

Subject: CONTRACT CHANGE ORDER NO. 1
APPROVAL REQUESTED
Pavement Resurfacing – Guiberson Rd, Riverside Ave, and Sespe St
Project No. 50631 Spec No. RD23-02
Contractor: J&H Engineering General Contractors, Inc.

Reason for Change:

- | | | | |
|--|---|---|---------------------------------|
| <input type="checkbox"/> Changed Conditions: 3-4.1 | <input type="checkbox"/> Type 1 | <input type="checkbox"/> Type 2 | <input type="checkbox"/> Type 3 |
| <input checked="" type="checkbox"/> Operating Agency Request | <input type="checkbox"/> Claims Settlement | <input type="checkbox"/> Design Discrepancy | |
| <input type="checkbox"/> New Code Requirements | <input type="checkbox"/> Minor Modification in Details | | |
| <input type="checkbox"/> Agency Caused Delay | <input type="checkbox"/> Contractor Proposed Cost Reduction | | |
| <input type="checkbox"/> Alternative Products | <input type="checkbox"/> Other _____ | | |

Justification for Change:

Existing drainage conditions have changed due to heavy rainfall in January 2023. The current culvert is damaged and insufficient to handle drainage and requires repairs with betterments. The proposed upgrade to the culvert is included in the FEMA reimbursement applied for by the Agency.

Heavy rainfall in January 2023 caused damage to the headwall on the inlet side damaging the existing 48" CMP. Mud and debris clogged the pipe and overtopped the road damaging the guardrail, roadway, and neighboring orchard and property. The current elevation of debris and mud is approximately 10' higher than on the inlet side pre-storm. The Agency is proposing an upgrade that includes upsizing the current pipe, new reinforced concrete headwalls and rip rap on the inlet and outlet side, reinforced concrete apron, debris barrier on the inlet side, and guardrails on both sides of the road.

- 1.0 Culvert Replacement at Milepost 5.97
Quantity: 1 LS
Contract Unit Price: \$583,266

Upgrade the existing culvert at MP 5.97 per plan sheets (Exhibit A) and special provisions (Exhibit B). Work includes but is not limited to upsizing the pipe to 72", new reinforced concrete headwalls on the inlet and outlet side, rip rap on the inlet and outlet side, a reinforced concrete apron, debris barrier on the inlet side, and guardrail on both sides of the road.

Justification of Cost & Time Adjustment:

Contractor's Proposal	\$791,240.00	Contractor's Time Proposal	33 days
PM's Original Estimate	\$400,00.00	PM's Original Time Estimate	45 days
PM's Revised Estimate	\$525,000.00	PM's Revised Time Estimate	25 days
Negotiated Amount	\$583,266.00	Negotiated Time Adjustment	33 days

Exhibit 4

Discussion of Negotiations:

The Project Engineer prepared an Independent Cost Estimate based on information from previous projects. The contractor's initial proposal was carefully analyzed; however, their proposal was rejected due to the unreasonableness of their costs. Subsequently, the contractor sought out quotes from various subcontractors and found one that was fair and reasonable. The initial escalated costs were primarily due to the unavailability of contractors to perform the work and the increase market prices for the materials.

- ☒ Contractor has signed the CCO.
- ☐ Contractor has orally agreed to this CCO, but the signature of the contractor has not been able to be obtained without delaying the project work.
- ☐ Contractor has indicated that the CCO being submitted will not be signed and it is recommended that the CCO be issued unilaterally.

Change Order Percentages:

Percent change, this change order	22.48%
Cumulative percent change to date	0%

Recommendation:

- ☐ This change order which is NOT within your authority based on the following: The Contract Change Order is over \$142,228.46 (\$25,000 + 5% of \$2,344,569.20) and therefore exceeds the authority of the Director in accordance with 7.7.2.1 of the PPPM
- ☐ Please sign change order.
- ☒ It is recommended that you approve this change order for submittal to the Board. The draft Board Letter is attached for your review.

Attachments:

1. Engineer's Estimate
2. Contractor's Proposal
3. Change Order
4. Draft Board Letter

ESTIMATE OF COST

PROJECT TITLE: Construction of Improvements at Guiberson Rd. MP 5.97

PROJ. NO.: 50631

LOCATION: Guiberson Rd. at MP 5.97

DATE: 06/28/23

NO.	ITEM	QUANTITY	UNIT	UNIT COST	ITEM COST
1	Mobilization	1	LS	\$28,250	\$28,250
2	Construction Signing with Temp. Traffic Signals	1	LS	\$40,000	\$40,000
3	Removal and Disposal of 48" CMP	45	LF	\$150	\$6,750
4	72" RCP, Class II	45	LF	\$1,500	\$67,500
5	2-Sack Cement Slurry Backfill	30	LF	\$250	\$7,500
6	Excavation & Backfill for Headwalls & Wingwalls	1	LS	\$50,000	\$50,000
7	Headwall with Straight Wingwalls (upstream)	1	LS	\$80,000	\$80,000
8	Headwall with Straight Wingwalls (downstream)	1	LS	\$90,000	\$90,000
9	Reinf. Conc. Apron, Swale & Debris Barrier Prep	1	LS	\$20,000	\$20,000
10	Reinforced Concrete Apron	1	LS	\$40,000	\$40,000
11	Concrete Swale	1	LS	\$10,000	\$10,000
12	Debris Barrier	1	LS	\$35,000	\$35,000
13	1-Ton Rip Rap Apron	250	SF	\$100	\$25,000
14	AC Thick Pavement Repair	10	TN	\$500	\$5,000
15	Guardrail	2	EA	\$10,000	\$20,000
TOTAL					\$525,000

**J&H ENGINEERING****GENERAL CONTRACTORS, INC.**

County of Ventura
800 South Victoria
Ventura, Ca

June 18, 2023

Attn: Josh
Subject: Guiberson Road Culvert at MP 5.97

COR 1.1

<u>DESCRIPTION</u>	<u>QTY</u>	<u>UNIT</u>	<u>PRICE</u>	<u>TOTAL</u>
Mobilization, Survey & additional bond	1	LS	\$30,000.00	\$30,000.00
Remove 48" CMP Pipe and dispose	45	LF	\$180.00	\$8,100.00
Install 72" Class II RCP	45	LF	\$2,000.00	\$90,000.00
Slurry Backfill - 2 Sack	35	CY	\$200.00	\$7,000.00
Conc Apron - Prep area - J&H work	1	LS	\$11,500.00	\$11,500.00
Debris Barrier - Prep - J&H work	1	LS	\$5,600.00	\$5,600.00
Conc Swale - Prep - J&H work	1	LS	\$5,000.00	\$5,000.00
North Headwall - Dig and Backfill - J&H work	1	LS	\$33,000.00	\$33,000.00
South Headwall - Dig and Backfill - J&H work	1	LS	\$25,000.00	\$25,000.00
Construct Headwalls, Concrete Apron, Debris Barrier and Concrete Swales - DJS @5%	1	LS	\$265,650.00	\$265,650.00
Rip Rap -1 ton	248	SF	\$100.00	\$24,800.00
Remove and Replace asphalt	7	TONS	\$925.00	\$6,475.00
Cal Trans Guard Rail - Magnum Fence @ 5%	1	LS	\$26,141.00	\$26,141.00
			Total	\$538,266.00

Traffic Control - Adder Options**Option 1**

Traffic Control - TC Plan, Signage and 2 flaggers	1	LS	\$106,000.00	\$106,000.00
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Option 2

Traffic Control - TC Plan and Signage w/ Temp traffic Signals for 1 lane road, day and night	1	LS	\$45,000.00	\$45,000.00
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Option 3

Traffic Control - TC Plan and signage w/ Temp STOP signs in place for 1 lane road, day and night	1	LS	\$20,000.00	\$20,000.00
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ACCEPTANCE

J & H ENGINEERING is hereby authorized to furnish all labor, equipment and materials required to complete the work as described herein and by signing this document we agree to pay the amount stated in said proposal according to the terms & conditions indicated within.

Name: _____

Date: _____

Spec No. RD23-02

Public Works Agency
Contracting Agency: County of Ventura
CONTRACT CHANGE ORDER NO. #1

Project Name: Pavement Resurfacing - Guiberson Rd, Riverside Ave, and Sespe St

ACCOUNTING	A/C Contract No.	Budget Dept/Acct No.	Project No.
DATA:		4081-2184	50631

To: J&H Engineering General Contractors, Inc.

You are hereby directed to make the following changes to the plans and specifications for this contract.

Note: This change order is not effective until approved by the Board of Supervisors, Director of Public Works Agency, a Department Director (as Deputy Director - Public Works Agency) or Deputy Purchasing Agent, as indicated.

1.0 Add New Contract Item: Culvert Replacement at Milepost 5.97

Upgrade the existing culvert at MP 5.97 per plan sheets (Exhibit A) and special provisions (Exhibit B). Work includes but is not limited to upsizing the pipe to 72", new reinforced concrete headwalls on the inlet and outlet side, rip rap on the inlet and outlet side, a reinforced concrete apron, debris barrier on the inlet side, and guardrail on both sides of the road.

See Exhibit A and B for details +1 LS.....\$583,266.00

The total cost of this change order is \$583,266.00

By reason of this order, the time of completion will be adjusted as follows:	33 working days
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RECOMMENDED Chris Hooke REG. NO. 42276 DATE 6-29-2023
 FOR APPROVAL BY Board of Supervisors

APPROVED BY [Signature] DATE 6/29/23

The undersigned contractor has given careful consideration to the change proposed, including its effect on other work already contracted for, and hereby agrees, if this change order is approved, that he will provide all equipment, furnish all materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment for all costs related in any way thereto the prices shown above.

ACCEPTED, CONTRACTOR

BY Matt Bays TITLE P.M. DATE 6-28-23

If this contract change order is executed by the Agency, but the Contractor does not sign it, the Contractor shall, as required by the Specifications cited:

1. Proceed with the ordered work (Subsections 3-2.2.3 and 3-5);
2. File a written Notice of Potential Claim before commencing the work ordered (Subsection 6-11); and
3. Keep and furnish daily records of materials, equipment and labor (Subsections 3-3.3 and 3-5)

Spec No. RD23-02

County of Ventura
Public Works Agency
Contracting Agency: County of Ventura
CONTRACT CHANGE ORDER NO. #1

Project Name: Pavement Resurfacing - Guiberson Rd, Riverside Ave, and Sespe St

The following is for Agency use only and is not a part of this change order.

FUNDING RECAPITULATION:

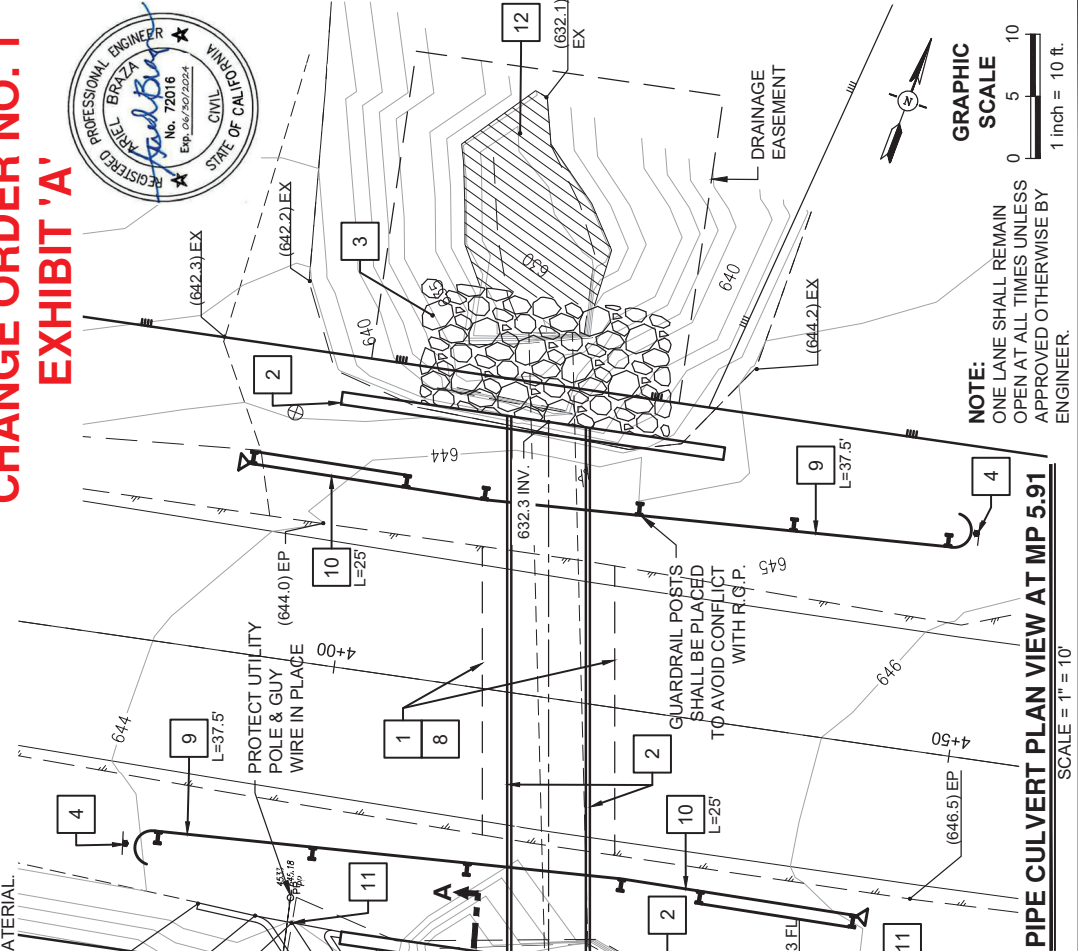
ORIGINAL CONTRACT PRICE	\$	2,594,569.20
PREVIOUS CONTRACT CHANGE ORDERS	\$	-
CONTRACT CHANGE ORDER NO. #1	\$	583,266.00
REVISED CONTRACT PRICE	\$	3,177,835.20

Concurred to by: _____ Date: _____

CONSTRUCTION NOTES:

- 1 SAWCUT AND REMOVE EXISTING PAVEMENT, HEADWALLS, CULVERTS, GUARDRAIL, POSTS AND EXCESS MATERIAL.
- 2 INSTALL CLASS II 72" R.C.P. CULVERT AND HEADWALL. CONSTRUCT PIPE CULVERT HEADWALL PER CALTRANS STD. PLAN RSP D90. H=PER PLAN. SEE CULVERT PLAN HEREON. SEE CULVERT PROFILE AND DETAILS SHOWN ON SHEET 4B FOR MORE INFORMATION.
- 3 CONSTRUCT 1-TON RIP-RAP WITH SYNTHETIC FILTER FABRIC, 20' L x 10' W x 4.25' D (DOWNSTREAM) AND 4' W x 4.25' D (ADJACENT TO BOLLARD FOOTING UPSTREAM).
- 4 PLACE OBJECT MARKER TYPE L-1(CA) WITH MILEPOST MARKING PER OBJECT MARKER DETAIL SHOWN ON SHEET 4D.
- 5 INSTALL CONCRETE BOLLARDS AND BOLLARD FOOTING PER DEBRIS BARRIER DETAIL SHOWN ON SHEET 4C. CONTRACTOR SHALL FORM BOLLARD CONCRETE FOOTING WITH 90% OF MAXIMUM DENSITY COMPACTION UNDER FOOTING & BACKFILL. BOLLARDS SHALL BE 10 FOOT LONG, WITH 7 FOOT ABOVE THE TOP OF CONCRETE FOOTING. 6" DIAMETER, SCHEDULE 40 STEEL PIPE, SET 5'-0" O.C. BOLLARDS SHALL BE PLACED IN TWO STAGGERED ROWS 2'-0" O.C. A PART. BOLLARDS SHALL BE FILLED SOLID WITH CONCRETE. OUTSIDE OF BOLLARDS SHALL BE KEPT CLEAN.
- 7 CONSTRUCT 10" THICK REINFORCED CONCRETE APRON AT R.C.P. INLET. SEE SECTIONS A-A AND B-B ON SHEET 4C (646.0) EX FOR MORE DETAILS. APRON MAY BE FORMED OR SHOTCRETE, PER SPECIFICATIONS.
- 8 FOR CULVERT TRENCH BACKFILL SEE TRENCHING DETAILS SHOWN ON SHEET 4D.
- 9 INSTALL FLARED TERMINAL SYSTEM END TREATMENT TYPE SRT-350 PER CALTRANS STD. PLAN RSP A77P1, TYPE 11B WITH STEEL POSTS PER STD. PLAN A77N2. INSTALL GUARDRAIL BUTTERFLY REFLECTORS @ 12.5 FEET INTERVALS.
- 10 INSTALL IN-LINE TERMINAL SYSTEM END TREATMENT TYPE SKT-350 PER CALTRANS STD. PLAN RSP A77P1, TYPE 11A WITH STEEL POSTS PER STD. PLAN A77N2. INSTALL GUARDRAIL BUTTERFLY REFLECTORS @ 12.5 FEET INTERVALS.
- 11 INSTALL 2' WIDE CONCRETE SWALE PER DETAIL SHOWN ON SHEET 4D.
- 12 PLACE ±2' DEPTH OF NATIVE SOIL COMPACT TO 90% COMPACTION. MAINTAIN POSITIVE FLOW DOWNSTREAM.

CHANGE ORDER NO. 1
EXHIBIT 'A'

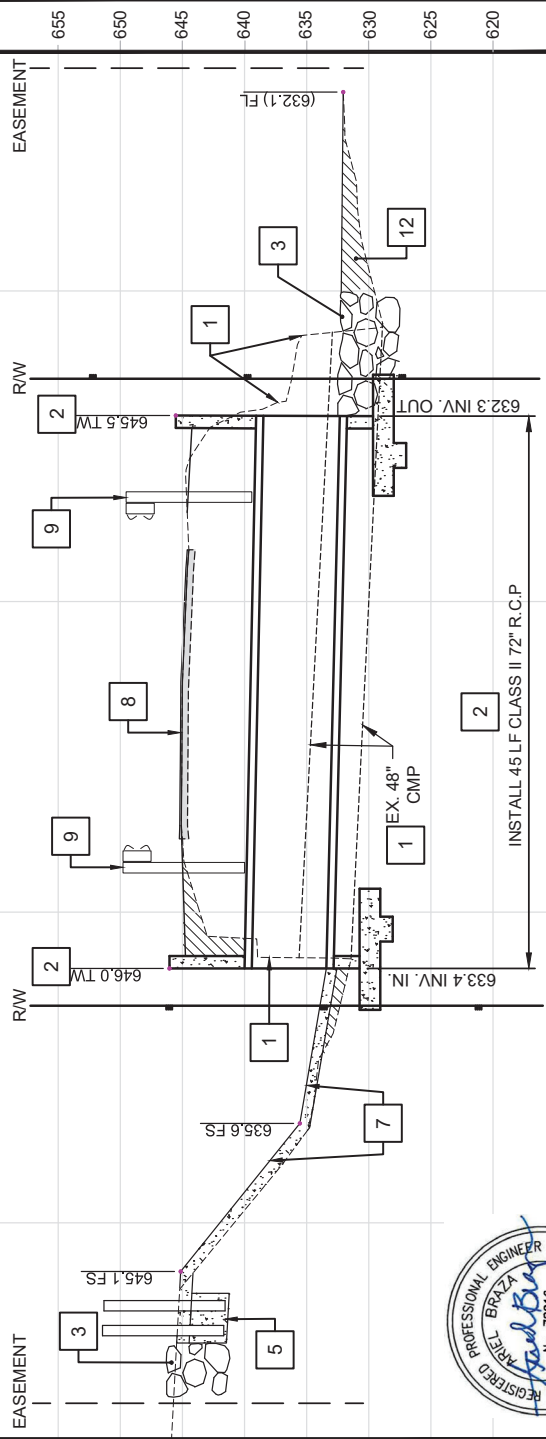


PIPE CULVERT PLAN VIEW AT MP 5.91
SCALE = 1" = 10'

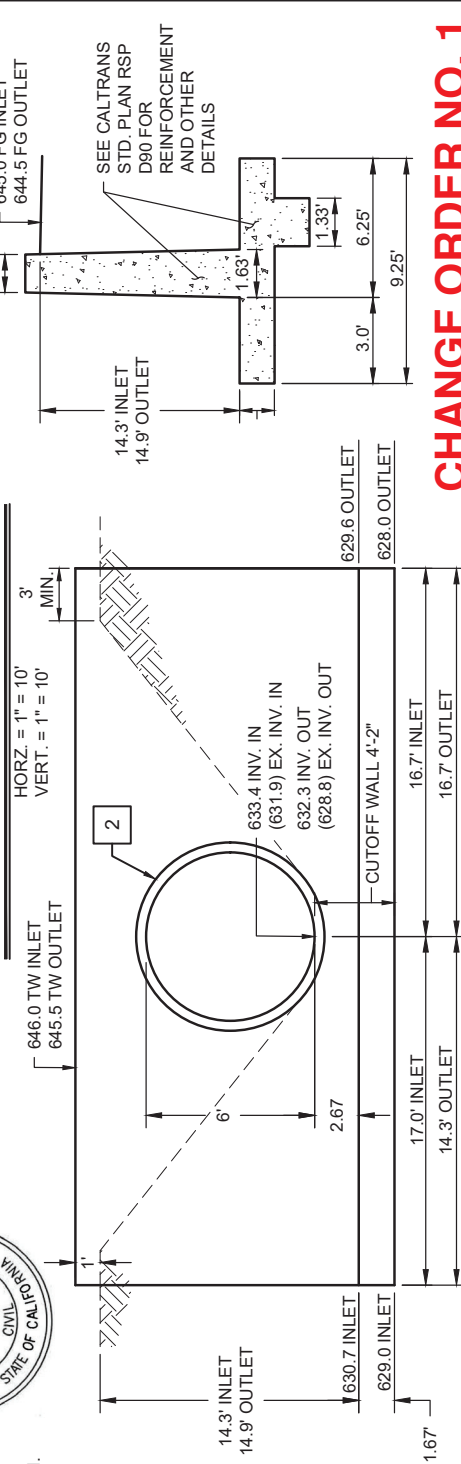
DESIGNED	AB/JP	COUNTY OF VENTURA	SPEC. NO.	RD23-02	PAVEMENT RESURFACING	SHEET	4A
DRAWN	JH	PUBLIC WORKS AGENCY	PROJ. NO.	50631	GUIBERSON ROAD, RIVERSIDE AVENUE, SESPE STREET	OF	4
CHECKED	CH	ROADS & TRANSPORTATION			GUIBERSON ROAD CULVERT REPLACEMENT AT MP 5.97	DRAWING NO.	116505A
APPROVED	<i>CH</i>						

CONSTRUCTION NOTES:

- 1 SAWCUT AND REMOVE EXISTING PAVEMENT, HEADWALLS, CULVERTS, GUARDRAIL, POSTS AND EXCESS MATERIAL.
- 2 INSTALL CLASS II 72" R.C.P. CULVERT AND HEADWALL. CONSTRUCT PIPE CULVERT HEADWALL PER CALTRANS STD. PLAN RSP D90. H=PER PLAN. SEE CULVERT PLAN ON SHEET 4A. SEE CULVERT PROFILE AND DETAILS HEREON.
- 3 CONSTRUCT 1-TON RIP-RAP WITH SYNTHETIC FILTER FABRIC, 20' L X 10' W X 4.25' D (DOWNSTREAM) AND 4' W X 4.25' D (ADJACENT TO BOLLARD FOOTING UPSTREAM).
- 5 INSTALL CONCRETE BOLLARDS AND BOLLARD FOOTING PER DEBRIS BARRIER DETAIL SHOWN ON SHEET 4C. CONTRACTOR SHALL FORM BOLLARD CONCRETE FOOTING WITH 90% OF MAXIMUM DENSITY COMPACTION UNDER FOOTING & BACKFILL. BOLLARDS SHALL BE 10 FOOT LONG, WITH 7 FOOT ABOVE THE TOP OF CONCRETE FOOTING, 6" DIAMETER, SCHEDULE 40 STEEL PIPE, SET 5'-0" O.C. BOLLARDS SHALL BE PLACED IN TWO STAGGERED ROWS 2'-0" O.C. A PART. BOLLARDS SHALL BE FILLED SOLID WITH CONCRETE. OUTSIDE OF BOLLARDS SHALL BE KEPT CLEAN.
- 7 CONSTRUCT 10" THICK REINFORCED CONCRETE APRON AT R.C.P. INLET. SEE SECTIONS A-A AND B-B ON SHEET 4C FOR MORE DETAILS. APRON MAY BE FORMED OR SHOTCRETE, PER SPECIFICATIONS.
- 8 FOR CULVERT TRENCH BACKFILL SEE TRENCHING DETAILS SHOWN ON SHEET 4D.
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- 12 PLACE ±2' DEPTH OF NATIVE SOIL COMPACT TO 90% COMPACTION. MAINTAIN POSITIVE FLOW DOWNSTREAM



PIPE CULVERT PROFILE AT MP 5.91



CHANGE ORDER NO. 1
EXHIBIT 'A'

PIPE CULVERT HEADWALL DETAIL

N.T.S.

COUNTY OF VENTURA
PUBLIC WORKS AGENCY
ROADS & TRANSPORTATION

SPEC. NO. RD23-02

PROJ. NO. 50631

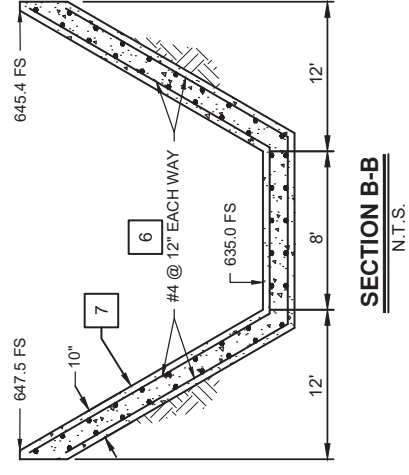
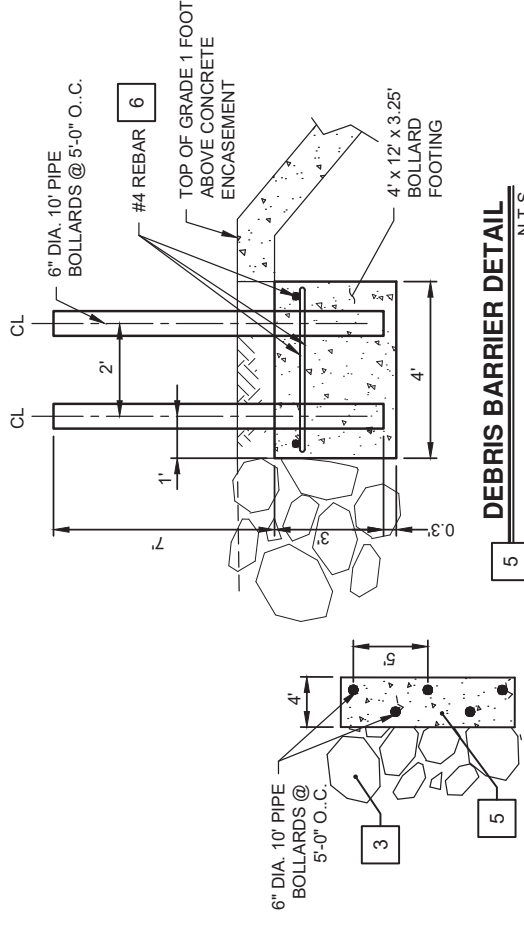
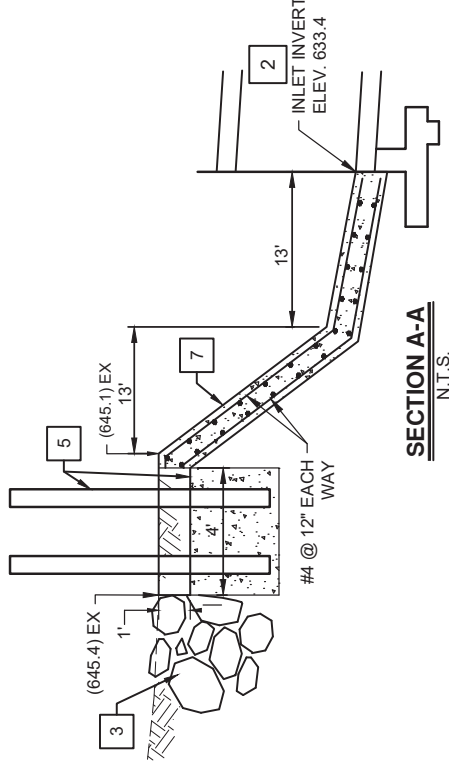
DESIGNED AB/JP
DRAWN JH
CHECKED CH
APPROVED *CH*

PAVEMENT RESURFACING
GUIBERSON ROAD, RIVERSIDE AVENUE, SESPE STREET
GUIBERSON ROAD CULVERT REPLACEMENT AT MP 5.97

SHEET 4B
OF 4
DRAWING NO. 116505B

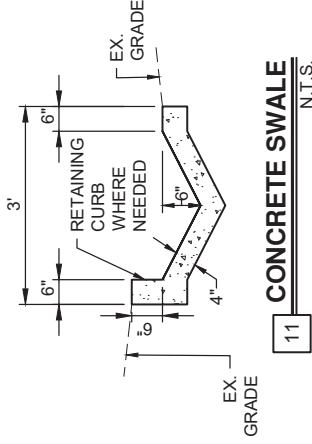
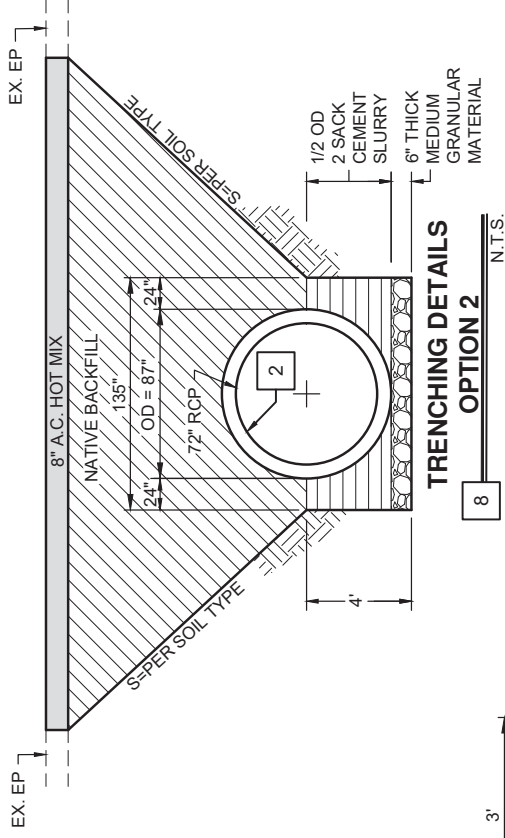
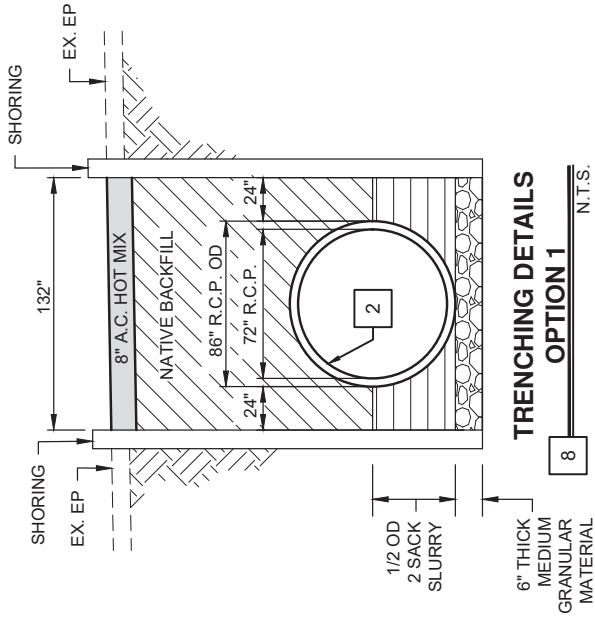
CONSTRUCTION NOTES:

- 2 INSTALL CLASS II 72" R.C.P. CULVERT AND HEADWALL. CONSTRUCT PIPE CULVERT HEADWALL PER CAL TRANS STD. PLAN RSP D90. H=PER PLAN. SEE CULVERT PLAN ON SHEET 4A. SEE CULVERT PROFILE AND DETAILS SHOWN ON SHEET 4B FOR MORE INFORMATION.
- 3 CONSTRUCT 1-TON RIP-RAP WITH SYNTHETIC FILTER FABRIC, 20' L X 10' W X 4.25' D (DOWNSTREAM) AND 4' W X 4.25' D (ADJACENT TO BOLLARD FOOTING UPSTREAM).
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- 6 #4 REBAR SHALL HAVE 2" CONCRETE COVER.
- 7 CONSTRUCT 10" THICK REINFORCED CONCRETE APRON AT R.C.P. INLET. SEE SECTIONS A-A AND B-B HEREON. APRON MAY BE FORMED OR SHOTCRETE, PER SPECIFICATIONS.



CHANGE ORDER NO. 1
EXHIBIT 'A'

DESIGNED _____ AB/JP	SPEC. NO. RD23-02	PAVEMENT RESURFACING	SHEET 4C
DRAWN _____ JH	PROJ. NO. 50631	GUIBERSON ROAD, RIVERSIDE AVENUE, SESPE STREET	OF 4
CHECKED _____ CH		GUIBERSON ROAD CULVERT REPLACEMENT AT MP 5.97	DRAWING NO. 116505C
APPROVED _____ CH			



CONSTRUCTION NOTES:

2 INSTALL CLASS II 72" R.C.P. CULVERT AND HEADWALL. CONSTRUCT PIPE CULVERT HEADWALL PER CALTRANS STD. PLAN RSP D90. H-PER PLAN. SEE CULVERT PLAN ON SHEET 4A. SEE CULVERT PROFILE AND DETAILS SHOWN ON SHEET 4B FOR MORE INFORMATION.

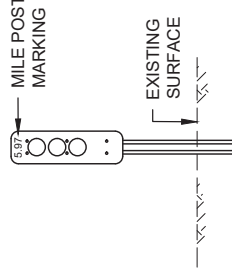
4 PLACE OBJECT MARKER TYPE L-1(CA) WITH MILEPOST MARKING PER OBJECT MARKER DETAIL SHOWN HEREON.

8 FOR CULVERT TRENCH BACKFILL SEE TRENCHING DETAILS SHOWN HEREON.

11 INSTALL 2' WIDE CONCRETE SWALE PER DETAIL SHOWN HEREON.



4 OBJECT MARKER
TYPE L-1(CA) N.T.S.



CHANGE ORDER NO. 1
EXHIBIT 'A'

DESIGNED _____ AB/JJP
DRAWN _____ JH
CHECKED _____ CH
APPROVED _____ CH

COUNTY OF VENTURA
PUBLIC WORKS AGENCY
ROADS & TRANSPORTATION

SPEC. NO. RD23-02
PROJ. NO. 50631

PAVEMENT RESURFACING
GUIBERSON ROAD, RIVERSIDE AVENUE, SESPE STREET
GUIBERSON ROAD CULVERT REPLACEMENT AT MP 5.97 DETAILS

SHEET 4D
OF 4
DRAWING NO. 116505D

**SPECIAL PROVISIONS FOR CONTRACT CHANGE ORDER NO. 1
CULVERT REPLACEMENT AT GUIBERON RD. MP 5.97****1000 GENERAL REQUIREMENTS****1000-1 DESCRIPTION OF WORK**

Work under this Contract Change Order (CCO) No. 1 consists of replacement of reinforced concrete pipe on Guiberson Road MP 5.97. This work includes public access and notice, traffic control and construction signing, removal of existing structures, structure excavation and backfill, bracing and shoring, 72" reinforced concrete pipe, headwall with straight wingwalls (upstream and downstream), reinforced concrete apron, debris barrier, 2-sack cement slurry, 1-ton rip rap apron (upstream and downstream), 8" thick AC pavement repair, and appurtenant work.

All work shall be performed in accordance with the Plans, the Standard Specifications and these Special Provisions.

1000-2 REFERENCE SPECIFICATIONS & STANDARD PLANS

All Provisions of the existing contract specifications shall apply to this Contract Change Order unless modified herein.

1000-3 WATER POLLUTION CONTROL

This item shall consist of preventing, controlling, and abating discharges of pollutants from the construction site, and shall be performed in accordance with the Standard Specifications and these Special Provisions. The Contractor shall adhere to the approved Storm Water Pollution Control Plan (SWPCP) for the project that covered pollution control measures and best management practices in general for all locations.

1000-3.1 CONSTRUCTION METHODS

All work for Water Pollution Control proposed by the Contractor shall be approved by the Engineer. All work shall be performed in accordance with 7-8 of the Standard Specifications.

If the Contractor determines that discharge of ground water to surface water will be necessary to complete the work, the Contractor shall obtain a Waste Discharge Permit under General National Pollution Discharge Elimination System Permit No. CAG994004 from the California Regional Water Quality Board, Los Angeles Region.

The Contractor will be given an extension of time to obtain the Water Discharge Permit based on a written request to the Engineer in accordance with 6-6.4 of the Standard Specifications.

1000-4 REMOVAL OF EXISTING STRUCTURES

This work consists of the removal of existing 48" RCP culvert, downstream headwalls, AC pavement, and other unwanted materials as specified in these Special Provisions and as shown on the Plans or as directed by the Engineer.

1000-5 STRUCTURE EXCAVATION & BACKFILL

This work consists of unclassified excavation, structure excavation and backfill for the 72" RCP culvert and headwall with wingwalls construction as shown on the Plans and in accordance with the requirements of 300-2, "Unclassified Excavation", 300-3 "Structure Excavation and Backfill" of the Standard Specifications for Public Works Construction (SSPWC) and these Special Provisions.

Unclassified Excavation shall consist of all excavation including roadways. Material that is unsuitable for its planned use shall be excavated and disposed of as directed by the Engineer. Excavation slopes shall be finished in conformance with the lines and grades shown on the Plans. All debris and loose material shall be removed.

Structure Excavation shall consist of the removal of material for the construction of foundations for culverts, headwalls and wingwalls and other excavation shown on the Plans.

Structure backfill shall consist of placing and compacting backfill material around structures to the lines designated on the Plans. Structure backfill shall not be placed until the structure has been inspected by the Engineer and approved for backfilling.

The final exposed surface shall be scarified to a depth of 4 inches, moisture conditioned to within 2 percent of optimum moisture, and recompact to a relative compaction of at least 90 percent (i.e. 90 percent of the maximum dry density determined by ASTM 01557).

Each layer of earth backfill shall be compacted by mechanical means acceptable to the Engineer. Unless otherwise specified, each of earth backfill shall be compacted to a relative compaction of at least 90 percent. Soft or yielding materials shall be removed and replaced with properly compacted fill materials.

Slopes shall be finished in conformance with the lines and grades shown on the Plans or as directed by the Engineer.

1000-6 BRACING & SHORING

This item pertains to shoring and bracing to construct the 72" reinforced concrete pipe culvert, head walls and wing walls that are needed in trenches over 5 feet in depth, as shown on the Plans. Pursuant to the provisions of California Labor Code Section 6707, each bid submitted in response to this Invitation to Bid shall contain, as a bid item, adequate sheeting, shoring, and bracing, or equivalent method for protection of life and limb in trenches and open excavation, which shall conform to applicable safety orders.

1000-7 CEMENT SLURRY FOR PIPE BACKFILL

This work consists of cement and sand slurry to side fill the haunch area of the pipe in trench as shown on Plans and shall be performed in accordance with the Standard Specifications, State of California Department of Transportation Standard Specifications (SSS) Section 19 and these Special Provisions.

Cement slurry shall be placed in the trench against undisturbed soil and shall be placed in a manner that will prevent floating or shifting of the pipe. Trenches shall be backfilled with a 2-sack cement slurry from the top of the bedding up to the springline or horizontal centerline of the pipe. 2-sack cement slurry shall consist of 188 pounds (2 bags) of cement for each cubic yard of sand.

Contractor is cautioned to avoid floating the pipe when cement slurry is placed under the haunches of the pipe.

1000-8 REINFORCED CONCRETE PIPE CULVERT

This item shall consist of construction of 45 LF of 72" Reinforced Concrete Pipe Culvert including trench preparation and all related joints and connection to the upstream and downstream walls, and other appurtenances as shown on the Plans and shall conform to provisions in Section 207-2, "Reinforced Concrete Pipe" and Section 306, "Open Trench Conduit Construction" of the SSPWC and these Special Provisions

1000-8.1 CONSTRUCTION MATERIALS

72" Reinforced Concrete Pipe (RCP), Class II as shown on the Plans.

1000-8.2 CONSTRUCTION METHODS

Reinforced Concrete Pipe culvert installations shall comply with special bedding and backfill requirements as shown on the Plans, Standard Plan A62G, and these Special Provisions.

1000-8.3 TRENCHING & BEDDING

The RCP culvert sections may be placed in a shored trench or open cut. All trenches shall have a combination of slopes conforming to CAL/OSHA requirements. Trench bottoms shall be prepared immediately preceding the installation of the RCP culvert.

The minimum thickness of bedding or base material is 6-inches. The bedding, comprised of medium granular material, should be constructed to provide uniform support for the full length and width of each section. This may be accomplished by placing on top of the base material, a 2-inch minimum thickness leveling course consisting of fine granular material graded as required.

1000-8.4 REINFORCED CONCRETE PIPE LAYING

RCP culvert shall be laid to the lines and grades as shown on the plan. RCP culvert shall not be placed in water or when the trench or weather is unsuitable for such work. Grades and alignment shall be established in the trench by conventional survey techniques, or by use of a laser. A laser or string line shall be established in the trench along the centerline of the proposed RCP culvert, said line being used to determine the horizontal and vertical location of each joint of RCP culvert.

1000-9 HEADWALL WITH STRAIGHT WINGWALLS

Construction of Headwall with Straight Wingwalls shall conform to the provisions in Section 51, "Concrete Structures," Section 52, "Reinforcement" and other applicable subsections of the SSS, SSPWC, and these Special Provisions.

The existing soil material directly below the headwall and wingwall footings shall be over-excavated and re-compacted to provide a firm, uniform bearing layer.

1000-10 DEBRIS BARRIER

This work shall consist of construction of a Debris Barrier, constructed of an array of steel pipe bollards and embedded in a concrete foundation as shown on the Plans and shall be performed in accordance with the Standard Specifications and these Special Provisions.

1000-10.1 MATERIAL

Debris Barrier shall be 6" diameter schedule 40 steel pipe bollards. Concrete shall be 3250 psi with rebar reinforcement.

1000-11 REINFORCED CONCRETE APRON

This work shall consist of furnishing, forming or shotcrete, placing, finishing and curing Portland cement concrete and furnishing and placing steel reinforcement as required to construct the Reinforced Concrete Apron as shown on the Plans and shall be performed in accordance with the Standard Specifications and these Special Provisions.

1000-11.1 MATERIAL

Concrete shall be Class 560-C-3250 with a minimum thickness of 10 inches. Steel bars for concrete reinforcement shall be carbon steel deformed bars.

1000-12 RIP RAP APRON

Rip Rap Apron shall consist of 1-ton rock rip rap with filter fabric on both upstream and downstream; Rip Rap Apron at MP 5.97 shall consist of, ½-ton rock rip rap with filter fabric and shall conform to the provisions in Section 200-1.6, "Stone for Riprap" of the Standard Specifications, as shown on the Plans, and these Special Provisions. Filter blanket shall consist of synthetic filter fabric per Section 213-5, "Geotextiles and Geogrids" of the Standard Specifications.

1000-12.1 ROCK RIP RAP SIZE

1-Ton Rock Riprap

No more than 10% of the rock will have a diameter greater than 36 inches;
No more than 50% of the rock will have a diameter less than 30 inches;
No more than 10% of the rock will have a diameter less than 24 inches.

1000-12.2 RIP RAP APRON DIMENSION

- A. 1-Ton Rip Rap (upstream)
= 4.25' thick x 4' wide x length adjacent to bollard footing
- B. 1-Ton Rip Rap (downstream)
= 4.25' thick x 20' wide x 10' long

1000-13 CONCRETE SWALE

This section includes minor concrete work for construction of concrete swales as shown on the plans.

1000-13.1 CONSTRUCTION METHODS

Concrete swale shall comply to Section 51-7, "Minor Structures and other applicable subsections of the SSS, 302-6 of the SSPWC, and these Special Provisions. All material beneath the concrete shall be compacted to 95% relative density.

1000-13.2 MATERIALS

Minor Concrete shall be PCC (Portland Cement Concrete) as shown on the Plans. Concrete shall be Class 520-C-2500.

1000-14 AC PAVEMENT REPAIR

This section covers AC pavement that will be constructed as shown on the Plans, marked in the field, and as specified in these Special Provisions.

The material below the proposed paving surface shall be graded and compacted to receive 8" thick of asphalt concrete pavement directly over it. The sub-grade preparation shall be per SSPWC 301-1. The sub-grade material shall be compacted to 95 percent relative compaction. Preparation of areas and placing of materials shall be in accordance with 300-4 of the SSPWC and these Special Provisions.

Backfill materials shall be spread evenly, with loose lifts no thicker than 8 inches, and shall be thoroughly blade mixed during spreading to provide relative uniformity of material within each layer. Soft or yielding materials shall be removed and replaced with properly compacted fill materials.

Asphalt concrete shall be placed in two equal lifts and compacted, as specified in 302-5.5 and 302-5.6 of the Standard Specifications, prior to placing the next layer.

1000-14.1 JOINING EXISTING PAVEMENT

Where new asphalt concrete pavement is placed against existing pavement, the pavement shall be saw cut in a manner that will not result in ragged and loose edges of the existing pavement. Tack coat shall be applied to exposed edges of the existing pavement per 302-5.4 of the Standard Specifications.

1000-14.2 MATERIAL

Asphalt concrete used in AC Pavement Repair shall be B-PG64-10.

1000-14.3 DISPOSAL SITE

All material designated for removal and disposal shall be lawfully disposed at a site in accordance with local ordinances and all applicable laws.

1000-15 REMOVAL OF EXISTING & INSTALLATION OF NEW GUARDRAIL

This work consists of removal of existing guardrail and installation of new guardrail on Guiberson Road at MP 5.97, and shall be in accordance with the Plans, these Special Provisions, and the Standard Specifications.

1000-15.1 REMOVAL & DISPOSAL OF EXISTING GUARDRAIL

The Contractor shall stage removals, with proposed improvements, to maximize guardrail protection to traveling public.

The Contractor shall dismantle and remove railing, remove end treatments, notched blocks, detach steel posts from bridge and or road surface, and excavate wood posts (when in-ground). All removed guardrail components shall become the property of the Contractor and shall be disposed of in a manner and location satisfactory to the Engineer.

1000-15.2 INSTALLATION OF NEW GUARDRAIL

New guardrail and all associated components shall be furnished & installed in conformance with Section 83-2, "Railings," of the SSS, SSP, Caltrans Traffic Manual, Chapter 7, "Traffic Safety Systems," all of the items detailed as shown on the Plans, as marked on the field, and these Special Provisions.

MIDWEST GUARDRAIL SYSTEM

MGS with steel post & notched wood block shall be used per Caltrans Standard Plan A77N2.

TERMINAL SYSTEM END TREATMENT

Flared Terminal System shall be SRT-31 System by Trinity Industries, Inc., or a County approved equal and shall include items as shown on the Plans.

In-Line Terminal System shall be SKT-SP-MGS manufactured by Road Systems, Inc., and shall include items as shown on the Plans.

Terminal systems shall be installed in conformance with the manufacturer's installation instructions.

Surplus excavated material remaining, after the terminal system has been installed, shall be disposed of in a uniform manner along the adjacent roadway where designated by the Engineer.

BUTTERFLY GUARDRAIL PROTECTOR

Butterfly Guardrail Reflector shall be placed at every 12.5 feet intervals and mounted Bolt-On style reflectors behind post bolts with the reflector's prongs pointed towards oncoming traffic. Bolt must be tightened securely over two prongs of the reflector deep into slot provided. Reflector overall height shall be 2-3/4".

1000-16 MEASUREMENT & PAYMENT

Payment for construction and all work under this Contract Change Order No. 1 shall be made at the lump sum price agreed upon by the Contractor and the County. Such payment shall be considered full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Central Services
Joan Araujo, Director

Engineering Services
Brian D'Anna, Acting Director

Roads & Transportation
Anitha Balan, Director

Water & Sanitation
Joseph Pope, Director

Watershed Protection
Glenn Shephard, Director

July 25, 2023

Board of Supervisors
County of Ventura
800 South Victoria Avenue
Ventura, California 93009

Subject: Approval of, and Authorization for the Public Works Agency Director, or His Designee, to Sign Contract Change Order No. 1 in the Amount of \$583,266.00 with J & H Engineering General Contractors, Inc. of Camarillo, California for the Pavement Resurfacing – Guiberson Road, Riverside Avenue, and Sespe Street Project; and Find That Putting the Work Out to Bid Would Not Serve the Purposes of Competitive Bidding or Produce a Public Advantage, Raising the Total Contract Amount from \$2,594,569.20 to a Total Amount of \$3,177,835.20; Project Specification No. RD23-02; Project No. 50631. Supervisorial District No. 3.

Recommendations:

1. Approve Contract Change Order (CCO) No. 1 in the amount of \$583,266.00 for which funds are available in Budget Unit 4081 and authorize the Director of Public Works to sign the change order on behalf of your Board.
2. Find that putting the work of this CCO out to separate bid would not serve the purposes of competitive bidding or produce any public advantage, for the reasons stated in the Discussion section.

Fiscal/Mandates Impact:

Mandatory: No [X] Yes [] City Authority:
Source of Funding: Road Fund
Funding Match Required: No
Impact on Other Department(s): None



Summary of Revenue and Total Costs	FY 2023-2024	FY 2024-2025
Revenue:	\$ 0	\$ 0
Costs:		
Direct	\$ 583,266	\$ 0
Indirect - Agency/Department	\$ 0	\$ 0
Indirect – CAP	\$ 0	\$ 0
Total Costs	\$ 583,266	\$ 0
Net Road Fund Costs Including Indirects	\$ 583,266	\$ 0
Recovered Indirect Cost (Dept. and County CAP)	\$ 0	\$ 0

Current FY 2023-2024 Budget Projection for Road Fund Unit 4081				
	Adopted Budget	Adjusted Budget	Projected Budget	Estimated Savings/Deficit)
Appropriations	\$ 28,713,100	\$ 28,713,100	\$ 28,713,100	\$ 0
Revenue	\$ 45,731,200	\$ 45,731,200	\$ 45,731,200	\$ 0
Net Cost	(\$17,018,100)	(\$17,018,100)	(\$17,018,100)	\$ 0

Sufficient appropriations are available in the FY 2023-2024 Road Fund budget.

Discussion:

On May 23, 2023, your Board authorized the award of a construction contract to J & H Engineering General Contractors, Inc. (J&H) in the amount of \$2,594,569.20. The project consists of resurfacing approximately 8.79 miles of deteriorated roadway on Guiberson Road, Riverside Avenue and Sespe Street in the Bardsdale area near the city of Fillmore as shown on Exhibit 1 (Vicinity Map) and Exhibit 2 (Location Map). Construction activities are now underway. This Board Letter requests approval of CCO No. 1 in the amount of \$583,266.00 to that contract for additional work made necessary by the January 2023 storm damage.

During the January 2023 storm events, a significant amount of debris and mud flow caused a culvert within the Guiberson Road right-of-way at MP 5.97 to become clogged, causing water and mud to overtop the structure and spill out onto the surface above blocking the road and causing erosion of the roadside and of neighboring properties. The roadway was cleared of all debris and mud and reopened to the public. However, the existing clogged culvert is undersized and should be replaced with a larger culvert, and headwalls are needed to prevent erosion. These improvements should help prevent the pipe from clogging in the future and prevent flooding in the area. Specifically, the work will consist of replacement of the damaged culvert, construction of new headwalls/wingwalls, a reinforced concrete apron, debris barriers, and flow dissipation measures.



Because the culvert damage and mudflows were part of the declared emergency, and Guiberson Road falls under the jurisdiction of Federal Emergency Management Agency (FEMA), this work will likely be reimbursed by FEMA. An application is pending.

Your Board's finding that this CCO is in the public interest is required because the cost of this CCO will exceed the statutory limit for change orders stated in Public Contract Code section 20142(b). Therefore, before awarding this CCO, in lieu of putting the work out to bid as a separate contract, your Board must find that competitive bidding here would not serve the ordinary purposes of competitive bidding or produce any public advantage. Adding the culvert replacement work as a CCO would produce the best economic result for the public because the contract with J & H is for similar work that is already occurring on Guiberson Road, doing so will enable completion of this storm-damage repair work during the dry season, and putting the work of this CCO out to bid as a stand-alone project would delay the work until 2024, potentially raising construction costs and risking further damage to the road from future storms. The nature of the work fits with the road work of the existing J&H contract. Staff negotiated the price for this CCO with J&H at what is fair market value.

We are requesting that your Board approve CCO No. 1 in the amount of \$583,266.00 which will increase the J & H's contract price by 22.5% from \$2,594,569.20 to a total amount of \$3,177,835.20.

The estimated total project costs are as follows:

Preliminary Engineering	\$ 145,400
Construction Contract	\$ 2,594,569
Construction Engineering, Materials Testing, etc.	\$ 389,200
Right-of-Way	\$ 220
Contingencies	\$ 259,500
Change Order #1	\$ 583,266
Total	\$ 3,972,155

This letter has been reviewed by the County Executive Office, the Auditor-Controller's Office, and County Counsel.



If you have any questions, please contact the undersigned at 805-654-2077.

ANITHA BALAN, PE
Director
Roads & Transportation

Attachments:

Exhibit 1 – Vicinity Map
Exhibit 2 – Location Map
Exhibit 3 – Notice of Award of Original Contract 5-23-23 50631
Exhibit 4 – Contract Change Order No. 1
Exhibit 5 – Plan Sheet and Special Provisions

