



Joint Exercise of Powers Agency

City of Antioch City of Brentwood City of Oakley County of Contra Costa

Board of Directors

Thursday, January 11, 2007
7:15 p.m.

Tri-Delta Transit Meeting Room
801 Wilbur Avenue
Antioch, California

1. Call to Order
2. Election of Officers
3. Closed Session

Conference with legal counsel - Existing Litigation (Gov. Code, §54956.9(a))

State Route 4 Bypass Authority v. Irwin Brent Pomeroy, et al., C.C.C. Superior Court No. C05-01025

4. Public Comment
5. Consent Items

- A. **APPROVE** Minutes of November 9, 2006 meeting. (*December 14, 2006 meeting canceled*)
- B. **APPROVE** Resolution No. 2007/01 Accepting the Undergrounding and Relocation of East Contra Costa Irrigation District (ECCID) Facilities Project as Complete (Project No. 4460-6X4476-05) and **AUTHORIZE** the Secretary or his designee to sign the resolution.
- C. **APPROVE** Contract Change Order Nos. 47, 58, 61 and 67 with De Silva Gates Construction/FCI Constructors JV for an estimated cost increase of \$220,000 for Segment 1, Package 2, and **AUTHORIZE** the Secretary or his designee to sign the contract change orders on behalf of the Authority.
- D. **APPROVE** a \$68,825 amendment to the Consulting Services Agreement with Parsons Brinckerhoff (PB) for a revised not-to-exceed contract amount of \$3,783,310 for on-call biological monitoring services during the construction of Segment 3 as directed by Authority staff, and **AUTHORIZE** the Secretary or his designee to sign the amendment on behalf of the Authority.
- E. **APPROVE** Consulting Services Agreement with Wood Biological Consulting in the amount of \$40,100 for Riparian Implementation Assistance and Post-construction Monitoring services for Segment 3, and **AUTHORIZE** the Secretary or his designee to sign the agreement on behalf of the Authority.
- F. **APPROVE** a \$38,500 amendment to the Consulting Services Agreement with Nolte Associates Inc. for a revised not-to-exceed contract amount of \$255,300 to provide

Board of Directors:
Mary N. Piepho, Chair
Donald P. Freitas, Vice Chair
Annette Beckstrand
Brad Nix

Authority Staff Office:
Contra Costa County
255 Glacier Drive
Martinez, CA 94553
(925) 686-0619

- G. engineering construction support services related to the Marsh Creek Trail crossing of Segment 3, and **AUTHORIZE** the Secretary or his designee to sign the amendment on behalf of the Authority.
- H. **APPROVE** Electrical Facility Cost Sharing Agreement with Caltrans and Contra Costa County for electrical facilities at the intersection of Marsh Creek Road and Byron Highway and **AUTHORIZE** the Secretary or his designee to sign it in substantially the same form on behalf of the Authority.

Determination Items

- A. **RECEIVE** status report on Segment 1, Segment 3 and the Laurel Road Extension projects *(no staff report)*.
- B. **RECEIVE** status report on construction activities for Segment 1, Segment 3 and the Laurel Road Extension projects *(no staff report)*.

- 6. Board Member Comments
- 7. Correspondence
- 8. Adjournment

The Authority will provide reasonable accommodations for persons with disabilities planning to attend Board meetings who contact the Program Manager at least 24 hours before the meeting, at (925) 686-0619.

STATE ROUTE 4 BYPASS AUTHORITY
Antioch - Brentwood - Oakley and Contra Costa County

A JOINT EXERCISE OF POWERS AGENCY

MINUTES
November 9, 2006

The STATE ROUTE 4 BYPASS AUTHORITY meeting was called to order in the Tri-Delta Transit Meeting Room, 801 Wilbur Avenue, Antioch, California by Chair Mary N. Piepho at 6:37 P.M.

ROLL CALL

PRESENT: Annette Beckstrand (Brentwood), Donald Freitas (Antioch), Brad Nix (Oakley)*, and Chair Mary N. Piepho (Contra Costa County)

ABSENT: None

STAFF: Nancy Wein, Senior Transportation Engineer, representing Program Manager Dale Dennis

* Arrived after Roll Call during the Closed Session.

PUBLIC COMMENT

Public Comment was opened prior to the Closed Session. There were no comments from the public.

CLOSED SESSION

Chair Piepho adjourned into Closed Session at 6:38 P.M.

Conference with Legal Counsel – Existing Litigation (Government Code § 54956.9(a))

- A. *State Route 4 Bypass Authority vs. Tullio Jacuzzi, et. al.*, C.C.C. Superior Court No. C05-00570
- B. *State Route 4 Bypass Authority vs. Toshiko Morimoto, et. al.*, C.C.C. Superior Court No. C05-00485
- C. *State Route 4 Bypass Authority vs. Ronald E. Nunn, et. al.*, C.C.C. Superior Court No. C05-00857
- D. *State Route 4 Bypass Authority vs. Robert L. Calisesi, et. al.*, C.C.C. Superior Court No. C06-00003
- E. *State Route 4 Bypass Authority vs. Patricia Caramagno-Robertson, et. al.*, C.C.C. Superior Court No.05-01993
- F. *State Route 4 Bypass Authority vs. Virginia L. Wurts, et al.*, C.C.C. Superior Court No. C05-01678

Chair Piepho reconvened at 6:55 P.M. and advised that there was no reportable action from the Closed Session.

CONSENT ITEMS

On motion by Director Freitas, seconded by Director Beckstrand, members of the Authority unanimously adopted the Consent Items, as follows, with the clarification in Item H. of the not-to-exceed amount shown for the Distribution Service and Extension Agreement with Pacific Gas and Electric Company, to be \$45,560.48 and not the \$78,145.93 as shown on the agenda.

- A. APPROVED minutes of October 12, 2006.
- B. APPROVED Contract Change Order Nos. 43, 35, 50, 54, and 56 with De Silva Gates Construction/FCI Constructors JV, for an estimated cost increase of \$192,046 for Segment 1, Package 2, and AUTHORIZED the Secretary or designee to sign the contract change orders.
- C. APPROVED Contract Change Order No. 1 with DeSilva Gates Construction, L.P. for an estimated cost increase of \$100,000 for additional traffic control on Segment 3 of the State Route 4 Bypass and AUTHORIZED the Secretary or designee to sign the contract change order.
- D. APPROVED Contract Change Order No. 7 with McGuire and Hester for a cost increase of \$45,921.86 for the Undergrounding and Relocation of ECCID Facilities Project in Segment 3 and AUTHORIZED the Secretary or designee to sign the contract change order. In addition, APPROVED an increase of \$25,000 in contingency funds (for a new contract budget amount of \$713,636.50) to cover additional change order work currently being negotiated with McGuire and Hester.
- E. APPROVED the 2005-06 End of Year Work Plan and Budget.
- F. ACCEPTED Audit Report prepared by Wallace Rowe and Associates, Certified Public Accountants, for the Fiscal Year ending June 30, 2006.
- G. APPROVED Utility Agreements with Pacific Gas and Electric Company in the estimated total amount of \$130,440 for relocation of electrical facilities in conflict with the Segment 3 project at three locations, and AUTHORIZED the Secretary or designee to sign the agreements on behalf of the Authority.
- H. APPROVED Distribution Service and Extension Agreement with Pacific Gas and Electric Company in the not-to-exceed amount of \$45,560.48 for electrical services required for Segment 1 operations, and AUTHORIZED the Secretary or designee to sign the agreement on behalf of the Authority.

DETERMINATION ITEMS

A. RECEIVE Status Report on the SR4 Bypass Program

Nancy Wein, representing Program Manager Dale Dennis, identified the well attended groundbreaking for Segment 3 on November 3, 2006. She also highlighted the ongoing work in Segment 3 and reported that the last utility work would be started at Byron Highway and Marsh Creek Road, with power lines at Concord Avenue.

B. RECEIVE Status Report on Construction Activities for Segment 1, Segment 3 and The Laurel Road Extension Projects

Bart Littell of Parsons Brinckerhoff Construction Services, presented updated photographs of Segment 1, Segment 3 and the Laurel Road Extension projects, and reported that Segment 1 was nearly paved out, with \$5 million in construction completed in October. The project was 55 percent complete and 43 percent of time completed.

With respect to the recent change order to pave a portion of Highway 4, Mr. Littell reported that the paving crew had been busy prior to the recent rain. He noted that the change order would likely be addressed within the next two weeks to smooth out the dips. When available, the paving crew would finish the whole segment covered by the change order.

For Segment 3, Mr. Littell reported that the major submittals had been approved, Detention Basin No. 2 on Marsh Creek Road was in process, fencing had been started, and Orchard Lane widening would be started next week. Orchard Lane would be used as a detour to facilitate Marsh Creek Road construction. In addition, utility work for Segment 3 was continuing, as was the squirrel control program.

C. The Board was recommended to take the following actions:

1. RECEIVE Presentation on Approach for Delivering the Sand Creek Interchange
2. APPROVE an Amendment to the Consulting Services Agreement with Mark Thomas and Company in the Amount of \$631,385 for a Revised Not-to-exceed Amount of \$9,620,815 to Complete Design for Phase 1, Stage 1 of the Sand Creek Road Interchange in Segment 2, and AUTHORIZE the Secretary or Designee to Sign the Amendment on Behalf of the Authority
3. DIRECT Staff to Negotiate a Scope and Fee with Mark Thomas & Company for Final Design for Phase 1, Stage 2 and Phase 2 of the Sand Creek Interchange

Ms. Wein noted that the next priority for the SR4 Bypass would be four lanes from Laurel Road to Sand Creek Road, as well as the construction of the interchange. With the opening of Segment 1 there would be increased traffic. Given the development proposed on the west side of the Bypass and the development slated for the northeast quadrant, she advised that staff was working to address the construction of the Sand Creek Road Interchange. Staff proposed to deliver the interchange in phases. She explained that the next phase could be constructed next year prior to the opening of Segment 1.

Mike Lohman, Mark Thomas & Company, noted that he had previously identified the overall interchange configuration for a partial cloverleaf, which he further described at this time. He advised that Mark Thomas was working with traffic forecasting and expected an operational analysis within the next month to form the exact configuration. He explained that Caltrans was generally supportive of the proposal pending the traffic numbers to confirm the configuration. He added that the interchange would be lowered by five feet to address the visual impact of the freeway and the amount of dirt to be imported to construct the overcrossing.

To build the interchange, Mr. Lohman reported that a phased concept had been developed. The first phase of the interchange would be to build one lane in each direction moving along the ultimate eastbound/southbound direction, with movements in the ultimate placement with the exception of one connection. Construction cost was estimated at \$15 million.

Mr. Lohman further described the new bridge at Sand Creek Road itself and at San Jose Avenue. He explained that the foundation would be constructed for the ultimate westbound bridge. To get to that point, Mark Thomas was moving forward with an initial project to lower the roadway prior to the Bypass traffic coming through in a Phase I, Stage 1 construction project that would take four to five months to construct.

Identifying one critical segment in that process, Mr. Lohman explained that to maintain traffic on the Bypass, the lanes needed to be squeezed down through the intersection and the southbound left turn into Sand Creek eastbound needed to be terminated. Given the nearby school, the timing of that segment was proposed for a two-week period of time during summer break. During that two-week closing, there would be no turns at San Jose Avenue.

Director Beckstrand clarified the proposed detour route to avoid running freeway traffic adjacent to the elementary school.

Ms. Wein advised that staff had been working with City of Brentwood staff to minimize the impacts to the school and to the adjacent shopping center. She suggested that the best time to proceed would be during the summer when school was not in session.

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In response to Director Nix as to the five foot lowering of the underpass as well as the freeway, Mr. Lohman stated that there was a practical limit to the lowering that would not jeopardize drainage to the creek. He noted the trade-offs involved.

Director Nix wanted to avoid flooding problems and make sure that a future flooding situation would not be created such as had occurred at Highway 4 at Loveridge Road. He wanted to verify that excess development beyond what had been planned would not create a flooding situation.

Mr. Lohman stated that Mark Thomas had access to the County flood control plans. He stated that the five foot lowering would not create a flood situation. There would be drainage to a creek with a fifty year flood scenario without a problem. He did not believe that a pumping system would be required in that area.

As to the cost of the work, Ms. Wein stated that part of the engineering costs and actual construction of Phase 1, Stage 1 would require exploration of the Contra Costa Transportation Authority's (CCTA's) paper program for a 2007 project. When asked by the Chair as to whether discussions had taken place with the CCTA, she advised that staff level discussions had occurred.

Mr. Lohman clarified that Phase 1 was a \$15 million project for a total of \$18 million in an expedited aggressive schedule.

Director Nix suggested that would need to be agendaized for the next meeting of the Bypass Authority.

Director Freitas asked about the area of drainage that would occur and whether or not freeway drainage only would be involved, to which Mr. Lohman stated that there was a portion of the project itself that would drain north to Sand Creek. As to whether or not C3 stormwater standards had been discussed, he stated that had not been done at this level.

Director Freitas urged evaluation of urban runoff to urban creeks as part of C3 standards, which he suggested would drive up the cost.

Chair Piepho requested that the C3 standards and the issue of a financing plan/schedule be returned to the Authority at its next meeting.

Director Freitas suggested that there were significant questions related to cost, which were critical. He was also concerned about drainage and he wanted to know what the engineer's report would identify. He was hesitant to move forward with those outstanding issues. He asked if the item could be deferred until December to address those significant issues.

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Ms. Wein stated that Mark Thomas had been retained to prepare the Project Study Report/Project Report (PSR/PR) for the project. While a month's delay might not be detrimental, she stated that if the Board chose to wait a month, answers could be provided, but suggested that the design of Stage 1 proceed in order to maintain the aggressive project schedule.

Director Beckstrand agreed that further review of the items was needed given the significant costs. She suggested that the process could move forward with additional information.

When asked by Director Freitas to clarify the item under discussion, Ms. Wein stated that Mark Thomas and Company was under contract to conduct the environmental and geometric approval drawing (formal milestone in Caltrans project development status) and supporting information. The staff request was for an amendment to increase that contract by \$631,385 to allow Mark Thomas to move forward with PS&E for Stage 1.

Director Freitas clarified that would mean an increase in the budget for the East Contra Costa Regional Fee & Financing Authority (ECCRFFA).

Director Nix verified that no loan would be necessitated by that action. He had no problem proceeding from that standpoint but wanted to clarify the merits of spending \$18 million next year.

On motion by Director Beckstrand, seconded by Director Nix, members of the Authority unanimously APPROVED an amendment to the Consulting Services Agreement with Mark Thomas and Company in the amount of \$631,385 for a revised not-to-exceed amount of \$9,620,815 to complete design for Phase 1, Stage 1 of the Sand Creek Road Interchange in Segment 2, and AUTHORIZED the Secretary or designee to sign the amendment on behalf of the Authority, and to address the questions related to the C3 component and the budget and timing issues.

BOARDMEMBER COMMENTS

There were no Boardmember comments.

CORRESPONDENCE

There was no correspondence.

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ADJOURNMENT

With no further business to come before the State Route 4 Bypass Authority, Chair Piepho adjourned the meeting at 7:25 P.M. to the next meeting scheduled for December 14, 2005.


Respectfully submitted,

Anita L. Tucci-Smith
Minutes Clerk

**STATE ROUTE 4
BYPASS AUTHORITY**

DATE: January 11, 2006

TO: Board of Directors

FROM: Dale Dennis, Program Manager 

SUBJECT: APPROVE Resolution No. 2007/01 Accepting the Undergrounding and Relocation of East Contra Costa Irrigation District (ECCID) Facilities Project as Complete (Project No. 4460-6X4476-05).

Recommendation: **APPROVE** attached Resolution 2007/01 accepting the Undergrounding and Relocation of East Contra Costa Irrigation District (ECCID) Facilities project as complete and **AUTHORIZE** the Secretary or his designee to sign the resolution.

Discussion:

Authority staff recommends that the Board accept the work as complete as of September 22, 2006 and direct the Secretary or his designee to file the Notice of Completion with the County Recorder's office. This action by the Board will release the surety bonds secured by the Contractor to ensure the performance of the work and allow for the final payment to be made. The attached spreadsheet shows the final contract financial information, with the contract budget of \$713,363.50 and final contract costs of \$694,194.74.

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G:\TransEng\2007\SR4BP\Staff Reports\Jan-March 2007\Staff Report Accept ECCID - Segment 3 Final.doc

ACTION OF BOARD ON _____ **APPROVED AS RECOMMENDED** ___ **OTHER** _____

VOTE OF DIRECTORS

_____ **UNANIMOUS (ABSENT** _____ **)**
AYES: _____ **NOES:** _____
ABSENT: _____ **ABSTAIN:** _____

I hereby certify that this is a true and correct copy of an action taken and entered on the minutes of the Board of Directors on the date shown.

ATTESTED _____
Secretary to the Authority

Recording Requested By:
State Route 4 Bypass Authority
c/o Contra Costa County Public Works Dept.
255 Glacier Drive
Martinez, CA 94553

Return to:

WHEN RECORDED, RETURN TO SECRETARY
OF THE STATE ROUTE 4 BYPASS AUTHORITY
c/o Contra Costa County Public Works Department

STATE ROUTE 4 BYPASS AUTHORITY, CALIFORNIA

In the Matter of Accepting and Giving)	RESOLUTION OF ACCEPTANCE
Notice of Completion of Contract for)	and NOTICE OF COMPLETION
Undergrounding and Relocation of)	
East Contra Costa Irrigation District)	
(ECCID) Facilities Project)	(C.C. § 3086, 3093)
Project No. 4460-6X4476-05)	RESOLUTION NO. 2007/01 _____

WHEREAS the State Route 4 Bypass Authority on January 18, 2006 contracted with McGuire and Hester for construction of the Undergrounding and Relocation of East Contra Costa Irrigation District (ECCID) Facilities, with Western Surety Company as surety, for work to be performed in the unincorporated area of Contra Costa County; and

WHEREAS the Program Manager reports that said work has been inspected and complies with the plans, special provisions and standard specifications, and recommends its acceptance as complete as of September 22, 2006.

NOW, THEREFORE, BE IT RESOLVED, the SR4 Bypass Authority accepts said work associated with the Undergrounding and Relocation of East Contra Costa Irrigation District (ECCID) Facilities as complete on September 22, 2006 and directs the Secretary or his designee to file a copy of this Resolution and Notice as a Notice of Completion for said contract with the County Recorder.

PASSED and **ADOPTED** on January 11, 2006, by the following vote:

AYES:

NOES:

ABSENT:

I HEREBY CERTIFY that the foregoing resolution was passed and adopted by the SR4 Bypass Authority at the regular meeting of the Board of Directors on the date indicated above.

Date: _____

MAURICE M. SHIU, SECRETARY
State Route 4 Bypass Authority

By: _____



STATE ROUTE 4 BYPASS
Undergrounding and Relocation of ECCID Facilities
CCO LOG
PROJECT NO. 4660-6X4476-05



Original Bid Amount \$594,215.00
Supplemental Funds \$0.00
Agency Funded Items \$119,421.50
Total Available on CCO's \$119,421.50
Total Budget \$713,636.50

CCO No.	Description	CT Concurrence	To Contractor	From Contractor	To BRABA	Date Executed	Date Approved by Board	Time Adj.	Supplemental Funds Y/N	Items	Force Account	Agreed Unit Price	Lump Sum	Adj. Of Comp	CCO or Item Adjustment Estimated Amount	Paid	Remaining
1	Reverse Location of Manhole	N/A	03/03/06	08/18/06	09/18/06	03/11/06	05/11/06	0	N				\$0.00		\$0.00		\$20.00
2	Permit California Department of Fish and Game 1802	N/A	04/26/06	05/26/06	05/04/06	05/11/06	05/11/06	0	N		25,000.00				\$25,000.00	\$19,525.35	\$5,474.65
3	Additional Paving at ECCID Location A	N/A	06/23/06	06/07/06	09/07/06	06/23/06	07/13/06	0	N		5,398.14				\$5,398.14	\$5,367.32	\$30.82
3.51	ECCID Ingression Facilities - Site A/A1	N/A	08/14/06	08/17/06	09/18/06	06/29/06	06/30/06	0	N	\$14,205.00					\$14,205.00	\$14,133.00	\$72.00
4	Manhole Connection Point at the Eastern	N/A	05/26/06	8/7/06	09/07/06	05/26/06	07/13/06	0	N		4,920.32				\$4,920.32	\$4,807.53	\$112.79
5	Manhole Connection Point at the Eastern	N/A	04/17/06	07/18/06	09/07/06	04/17/06	07/13/06	0	N		1,269.62				\$1,269.62	\$1,245.45	\$24.17
6	High Groundwater Table at ECCID Site B	N/A	06/09/06	03/24/06	06/07/06	06/06/06	07/13/06	0	N		935.14				\$935.14	\$928.25	\$68.89
7	ECCID 48 Hour Maximum Shutdown Window at	N/A	06/23/06	10/65/06	10/06/06	05/23/06	11/01/06	0	N		6,500.00		\$45,021.66		\$45,021.66	\$45,821.66	\$800.00
8	Site B	N/A	06/15/06	08/17/06	08/18/06	05/23/06	08/03/06	0	N						\$8,500.00	\$8,144.90	\$355.10
9	Division of Manhole Type B Assembly	N/A	06/15/06	08/17/06	09/18/06	07/11/06	08/03/06	0	N						(\$2,876.00)	(\$2,876.00)	\$0.00
10	Repair Damage to Existing Infrastructure	N/A	08/17/06	08/17/06	09/18/06	05/23/06	06/03/06	0	N		5,100.00				\$5,100.00	4882.08	\$217.92
SUB-TOTAL																	
															\$108,294.08	\$99,979.74	\$6,314.34

TOTAL ACTUAL COST TO DATE = \$99,979.74
ORIGINAL BID AMOUNT = \$594,215.00
REVISED PROJECT COST (INCLUDING PENDING AND EXECUTED CCO'S) = \$694,194.74
REMAINING BUDGET (includes SFM) = \$19,441.76

TOTAL ADDITIONAL COST TO DATE = \$108,294.08
ORIGINAL BID AMOUNT = \$594,215.00
REVISED PROJECT COST (INCLUDING PENDING AND EXECUTED CCO'S) = \$702,509.08
REMAINING BUDGET (includes SFM) = \$13,127.42

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**STATE ROUTE 4
BYPASS AUTHORITY**

DATE: January 11, 2007

TO: Board of Directors
FROM: Dale Dennis, Program Manager 
SUBJECT: Approve Segment 1, Construction Package 2, Contract Change Orders

Recommendation: **APPROVE** Contract Change Order Nos. 47, 58, 61, and 67 with De Silva Gates Construction/FCI Constructors JV, for an estimated cost increase of \$220,000 for Segment 1, Package 2, and **AUTHORIZE** the Secretary or his designee to sign the contract change orders on behalf of the Authority.

Discussion

Contract Change Order #47

This change order is for contract number 4460-6X4451, Lindsey Basin and Lindsey Channel. This change adds drainage system 10 which includes connection and extension of an existing 1350mm Reinforced Concrete Pipe; removal, salvage and reuse and existing corrugated metal pipe; and a concrete rock slope protection into the new Lindsey Channel. It was determined after bid that the contract plans did not include details for this work. As such, the designer issued revised contract plan sheets to include this work. This change will be performed at Extra Work at Force Account for an estimated cost increase of \$95,000 and will be paid for by the Contra Costa County Flood Control District (CCCFCD).

DD:nw:tr

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ACTION OF BOARD ON _____

APPROVED AS RECOMMENDED ___ **OTHER** ___

VOTE OF DIRECTORS

_____ **UNANIMOUS (ABSENT** _____)

AYES: _____ **NOES:** _____

ABSENT: _____ **ABSTAIN:** _____

I hereby certify that this is a true and correct copy of an action taken and entered on the minutes of the Board of Directors on the date shown.

ATTESTED _____
Secretary to the Authority

Contract Change Order #58

This change order is for contract number 4460-6X4374, Laurel Road Extension. This change provides compensation for relocation and additional protection of utilities that were not identified on the contract plans and were placed after bid opening by another contractor. Specifically, on the Laurel Road Extension, Drainage system 8Z is installed through a permanent drainage easement on a residential property. Since the project began, the owner of the property installed improvements of a new waterline and sewer line off of Winchester Drive in Oakley. While the utilities are not in direct conflict with Line 8Z, they will need to be temporarily rerouted and protected during the installation of line 8Z. Section 8-1.10 Utility and Non-Highway Facilities of the Special Provisions requires that costs for protection or rearrangements of utilities not indicated on the contract documents will be paid for as extra work at force account. This change will be performed as Extra Work at Force Account for an estimated cost increase of \$25,000.

Contract Change Order #61

This change order is for contract number 4460-6X4450, Segment 1 Package 2. This change requires the addition of an irrigation service in the Lone Tree Way median just east of the Lone Tree Way Undercrossing. This change was requested by the City of Antioch to service future median landscaping. In addition to the irrigation service a 4" irrigation supply sleeve will be installed across westbound Lone Tree Way. The City has requested that this service be installed utilizing a hot-tap method connection to an existing City of Antioch waterline. This change will be performed as Extra Work at Force Account for an estimated cost increase of \$25,000.00.

Contract Change Order #67

This change order is for contract number 4460-6X4374, Laurel Road Extension. This change order provides compensation to the contractor to bore and jack twin 600mm reinforced concrete pipes for Drainage System 8k. This change is necessary because there are a number of existing utilities, including large electrical PG&E and WAPA duct banks, that feed the DWD blending Facility and the Randoll Bold Treatment that were not indicated on the contract plans. In accordance with the contract documents, the Contractor performed detailed potholing of the utilities in the area and reported that there were additional utilities not indicated on the plans. Because of the extensive amount of utilities in this location, it is not possible to install shoring for installation of the storm drain as the Contractor had planned. In addition, because these utilities service the active treatment plant and blending facility, shutdown or relocation of the existing facilities is not feasible within the time frames necessary to avoid project delay. Accordingly, after consultation with CCWD and the project designer, a Contractor proposal to bore and jack the pipe was determined to be the best option to proceed. Estimated cost for the bore and jack installation of this system is estimated to be \$75,000.00

Attached is a worksheet, prepared by Parsons Brinckerhoff, which shows a summary of the executed change orders to date as well as the status of several pending change orders. The source for funding contract changes orders comes from three places: Supplemental funds, Authority furnished materials and the traditional project contingency. Supplemental funds are set aside by the designer to cover items that are anticipated but are undefined until actual project construction. Authority furnished materials are items that are needed for the project but excluded from the contractor bids. The contingency is for items not anticipated during the design of the project.