

**MOORPARK CITY COUNCIL
AGENDA REPORT**

TO: Honorable City Council

FROM: Yugal K. Lall, City Engineer/Public Works Director
Prepared by: Dave Klotzle, Assistant City Engineer 

DATE: June 25, 2008 (CC Meeting of 07/02/08)

SUBJECT: Consider Notice of Completion for the Los Angeles Avenue and Tierra Rejada Road Traffic Signal Interconnect Projects

BACKGROUND

On December 20, 2006, the City Council approved the award of a contract for the construction of a traffic signal interconnect system for Los Angeles Avenue (Project 8004) and Tierra Rejada Road (Project 8036). The Notice to Proceed for construction was effective on February 12, 2007. Construction of both projects has been completed.

The limits of the work were as follows:

- Los Angeles Avenue: Gabbert Road to the State Route 23 freeway; and
- Tierra Rejada Road: Countrywood Drive to the State Route 23 freeway.

The scope of work for both the Los Angeles Avenue and Tierra Rejada Road projects included new conduits and interconnect cable; new signal controllers and related communication equipment.

Subsequent to the completion of construction, the city's design consultant fine tuned the signal timing to optimize the coordination of traffic flow. The Los Angeles Avenue traffic signal interconnect system has been taken over and is maintained by Caltrans. The Tierra Rejada Road system is maintained by the City.

DISCUSSION

A. Changes

1. **Quantity Adjustments:** As is typical with public works construction projects, the actual quantities required for the job differed from the engineer's estimate. This project required less quantities of certain bid items resulting in a decrease to the

contract price summarized as follows:

Description	Amount (\$)		
	L. A. Ave.	T. R. Rd.	Total
Bid Price	76,370.15	504,999.85	581,370.00
Final Construction cost (without change orders)	74,548.60	410,918.40	485,467.00
Amount over (under) bid amount	(1,821.55)	(94,081.45)	(95,903.00)

2. **Change Orders:** Eight Contract Change Orders were approved for the project, summarized as follows:

CCO #	Description	Amount (\$)	
		L. A. Ave.	T. R. Rd.
1	Add Race Neutral DBE requirements	0.00	0.00
2	Test existing cables	0.00	3,864.00
3	Replace signal heads at Moorpark Rd. / Tierra Rejada Rd.	0.00	6,850.00
4	Video detection equipment	0.00	63,731.00
5	Additional conduit work & credit for work by Republic	15,391.31	(672.46)
6	Replace signal controller & cabinet at Sunset Valley Rd.	0.00	26,543.00
7	Replace controller at Moorpark Ave. with wireless modem	(5,573.00)	0.00
8	Delete telephone box, add conduit to an existing box	0.00	262.00
Total		9,818.31	100,577.54
Combined Total		110,395.85	

B. Final Inspection and Acceptance

The City has completed a final inspection of the project and has found the work to be acceptable. At this time it would be appropriate for the City Council to accept the project as complete so that the City Clerk may record the Notice of Completion to start the final lien period. If no Stop Notices are received from subcontractors or suppliers, the ten percent retention will be released thirty-five (35) days after the date of the recordation of that notice.

C. Project Schedule

Due to delays with delivery and start-up of signal equipment, the project was not completed within the prescribed contract time. The City incurred costs of signal maintenance, project administration and legal fees during these delays. Staff successfully negotiated to have the contractor pay \$15,492.51 for all costs related to the delays. The reimbursed costs related to the Los Angeles Avenue portion of the project total \$2,035.00 with the remaining cost of \$13,457.51 related to the Tierra Rejada project.

D. Signal Operations

The City's design consultant fine tuned the traffic signal timing and synchronization for the Tierra Rejada Road signal interconnect improvements. Caltrans will be undertaking

similar efforts with regard to the Los Angeles Avenue signal interconnect improvements. The objective is to coordinate traffic in such a way as to reduce staging delays at signalized intersections and, thereby, also reduce related exhaust emissions. The City's consultant also prepared an analysis of both roads to compare the traffic flow before and after the signal synchronization. The analysis showed a reduction in the number of stops and an increase in the average speed on both roads.

FISCAL IMPACT

Total Construction Cost: A summary of the total project construction cost is shown below. All surplus appropriations will be returned to funding sources upon final payment of all project related costs.

<u>Description</u>	<u>Los Angeles Ave. (\$)</u>	<u>Tierra Rejada Rd. (\$)</u>	<u>Total (\$)</u>
Bid Amount	76,370.15	504,999.85	581,370.00
Quantity Adjustments	(1,821.55)	(94,081.45)	(95,903.00)
Change Orders	9,818.31	100,577.54	110,395.85
City Cost Reimb.	(2,035.00)	(13,457.51)	(15,492.51)
Total Cost	82,331.91	498,038.43	580,370.34
Construction Budget	84,100.00	555,270.00	639,370.00
Surplus	1,768.09	57,231.57	58,999.66

Total Project Cost and Funding Sources: A summary of the estimated total project costs including design, construction and inspection is listed by funding source below. Funding sources included the Traffic Systems Management Fund (TSM Fund 2001) and a portion of the construction was funded by Congestion Management and Air Quality (CMAQ) federal funds.

<u>Fund</u>	<u>Project 8004</u>		<u>Project 8036</u>	
	<u>Los Angeles Ave. (\$)</u>	<u>Tierra Rejada Rd. (\$)</u>	<u>Tierra Rejada Rd. (\$)</u>	<u>Total (\$)</u>
2001: TSM	160,000.00		315,000.00	475,000.00
2604: CMAQ	75,000.00		350,000.00	425,000.00
Total Cost	235,000.00		665,000.00	900,000.00

STAFF RECOMMENDATION

Accept the work as complete and direct the City Clerk to record the Notice of Completion.

Attachment:
 Notice of Completion

RECORDING REQUESTED BY

AND WHEN RECORDED MAIL TO

NAME City of Moorpark
STREET ADDRESS 799 Moorpark Avenue
CITY Moorpark, CA 93021
STATE
ZIP Attn: City Clerk

No Fee Required (Govt Code Sec 6103 & 27383)

SPACE ABOVE THIS LINE FOR RECORDER'S USE

NOTICE OF COMPLETION

Notice pursuant to Civil Code Section 3093, must be filed within 10 days after completion. (See reverse side for complete requirements.) Notice is hereby given that:

- 1. The undersigned is owner or corporate officer of the owner of the interest or estate stated below in the property hereinafter described:
2. The full name of the owner is City of Moorpark
3. The full address of the owner is 799 Moorpark Avenue, Moorpark, CA 93021
4. The nature of the interest or estate of the owner is: In fee. Purchaser under contract of purchase

5. The full names and full addresses of all persons, if any, who hold title with the undersigned as joint tenants or as tenants in common are: NAMES ADDRESSES

6. The full names and full addresses of the predecessors in interest of the undersigned, if the property was transferred subsequent to the commencement of the work or improvements herein referred to: NAMES ADDRESSES

7. A work of improvement on the property hereinafter described was completed on February 20, 2008. The work done was: traffic signal interconnect on Los Angeles Avenue and Tierra Rejada Road

8. The names of the contractor, if any, for such work of improvement was Taft Electric Co. December 20, 2007

9. The property on which said work of improvement was completed is in the City of Moorpark County of Ventura, State of CA, and is described as follows:

10. The street address of said property is None

Dated (Signature of Owner or corporate officer of Owner named in paragraph 2, or his agent) Steven Kueny, City Manager, City of Moorpark

VERIFICATION

I, the undersigned, say: I am the City Manager the declarant of the foregoing Notice of Completion; I have read said Notice of Completion and know the contents thereof; the same is true to my own knowledge. I declare under penalty of perjury that the foregoing is true and correct.

Executed on 2008 at Moorpark, California

(Personal signature of the individual who is swearing that the contents of the Notice of Completion are true) Steven Kueny, City Manager, City of Moorpark

