

### County of Santa Cruz

#### DEPARTMENT OF PUBLIC WORKS

701 OCEAN STREET, ROOM 410, SANTA CRUZ, CA 95060-4070 (831) 454-2160 FAX (831) 454-2385 TDD (831) 454-2123

AGENDA: AUGUST 6,2002

July 25,2002

SANTA CRUZ COUNTY BOARD OF SUPERVISORS 701 Ocean Street
Santa Cruz, California 95060

SUBJECT: HAPPY VALLEY ROAD CULVERT REPLACEMENT, PM 0.40, OES NO. 11

CONTRACT NUMBER 12455, PUBLIC WORKS JOB NUMBER 70336

NOTICE OF COMPLETION

Members of the Board:

The subject project was completed on May 31,2002. The contractor was J. C. Randolph, Inc., of Aptos, California.

The original bid price was \$239,047.75. Total construction cost is \$258,864.77. This increase was due to wider wingwall base sections requiring additional excavation and unsuitable saturated material along the culvert footings which needed to be removed and replaced with concrete. **A** summary of final costs is attached for your information.

It is therefore recommended that the Board of Supervisors take the following action:

- 1. Accept the improvements and approve the final cost for the Happy Valley Road Culvert Replacement project.
- 2. Authorize the Clerk of the Board to file the Notice of Completion, a copy of which is attached.

3. Direct the County Recorder to return the original Notice of Completion to the Clerk of the Board.

Yours truly,

THOMAS L. BOLICH Director of Public Works

MC:mg

Attachments

RECOMMENDED FOR APPROVAL:

County Administrative Officer

copy to:

Recorder's Office

Public Works

J. C. Randolph, Inc.

0441

WHEN RECORDED MAIL TO: COUNTY OF SANTA CRUZ CLERK OF THE BOARD

#### NOTICE OF COMPLETION

NOTICE IS HEREBY GIVEN that the County of Santa Cruz, owner of the property hereinafter described, whose address is 701 Ocean Street, Santa Cruz, California, has caused a work of improvement more particularly described as follows:

HAPPY VALLEY ROAD CULVERT REPLACEMENT, PM 0.40, OES NO. 011

to be constructed on property more particularly described as follows:

#### HAPPY VALLEY ROAD PM 0.40

The work of improvement was completed by J. C. Randolph, Inc., whose address is 1097 P'easant Valley Road, Aptos, CA 95003.

The work of improvement was actually completed on the 31st day of May, 2002, and accepted by the Board of Supervisors of said County on the 6th day of August, 2002.

DATED: August 6,2002

THOMAS L. BOLICH Director of Public Works County of Santa Cruz

The undersigned states: That he is the Director of Public Works of the County of Santa Cruz, omer of the property referred to in this Notice of Completion; that the Board of Supervisors of said County on the 6th day of August, 2002, accepted said work of improvement and directed the filing of the Notice of Completion; that he has read the Notice of Completion and knows the contents thereof; and that the facts stated therein are true.

I declare under penalty of perjury that the foregoing is true and correct.

Executed by me this 6th day of August, 2002, at Santa Cruz, California.

THOMAS L. BOLICH Director of Public Works County of Santa Cruz

HAPM.wpd

\$239,047.75 \$19,817.02 \$258,864.77

ORIGINAL BID: CHANGES: FINAL COST:

SUMMARY

## COUNTY OF SANTA CRUZ DEPARTMENT OF PUBLIC WORKS STATE OF CALIFORNIA

# SUMMARY OF FINAL COSTS FOR

Happy Valley Road Culvert Replacement

CONTRACT NO. 91905

Traffic Central System							100	1000	
Tarific Control System	E C		PROPOSED	MEASURED	<u> </u>	DIFFERENCE	I SOO II NO	FINAL COST	
Traine Control systems	į.			1.00	S		\$18,000.00	\$18,000.00	
Cleaning and Catiboling         1         1.00         LS         \$2,000.00         \$2,000.00           Earthwork (F)         45         45.00         M3         \$25.00         \$200.00         \$2,000.00           Earthwork (F)         20         225.00         M3         25.00         \$53.00         \$7,875.00           Structural Excavation (F)         45         45.00         M7         45.00         \$53.00         \$7,875.00           Rock Stope Protection - 1/4 Tome RSP         130         115.98         M3         -45.00         \$50.00         \$5,399.00           Permeable Material (Drain Rock Blanket)         10         115.98         M3         -45.00         \$50.00         \$5,290.00           Aggregate Base Class 2         45         54.00         M7         4.75         \$50.00         \$5,790.00           Asphalt Concrete Overside Drain         2         1.75         EA         4.75         \$51.00         \$1.35.00           Rock Energy Dissipator         3         2         2.00         A-5.55         A-5.35         \$2,000.00         \$3,500.00           Rock Energy Dissipator         3         2         2.00         A-5.55         \$2,000.00         \$3,500.00           Pre-Cast Concrete Current Cule	-	Iranic Conrol system	-	100	S		\$16,000.00	\$16,000.00	
Famporary Water Diversion	7	Clearing and Grupping		6	2		\$2,000.00	\$2,000.00	
Earthwork (F)	က	Temporary Water Diversion	- 72	1.00	3		\$88.88	\$3,999.60	
Structural Excavation (†)         45         47         47         51         47         51         47         51         47         51         47         51         47         51         47         51         47         51         47         51         47         51         47         51         51         60	4	Earthwork (F)	00%	225 00	Z Z	25.00	\$35.00	\$7,875.00	\$875.00
Procession Control Bands   Procession Control and Revegetation   Procession Control and Reversel   Procession Control and Reversel   Procession Control and Revegetation   14 Tonne RSP   130	م	Structural Excavation (F)	45	200	M3	-45.00			(\$2,250.00)
Rock Slope Protection - 1/4 Inflier NSF         100         115.98         M3         15.98         \$50.00         \$5.799.00           Permeable Material (Drain Rock Blanket)         50         58.40         M3         8.40         \$50.00         \$5.256.00           Aggregate Base Class Class         2         45.61         MT         0.61         \$16.67         \$7.601.82           Asphalt Concrete Dike. Type A         26         30.75         M         -0.25         \$2.000.00         \$4.755.50           Asphalt Concrete Dike. Type A         2         1.75         EA         -0.25         \$2.000.00         \$4.700.00           Asphalt Concrete Dike. Type A         2         2         2.00         EA         -0.25         \$2.000.00         \$3.500.00           Rock Energy Dissipator         2         2         2.00         EA         -0.25         \$2.000.00         \$3.500.00         \$3.500.00         \$3.500.00         \$3.500.00         \$3.500.00         \$3.500.00         \$3.500.00         \$3.500.00         \$3.500.00         \$3.500.00         \$3.500.00         \$3.500.00         \$3.500.00         \$3.500.00         \$3.500.00         \$3.500.00         \$3.500.00         \$3.500.00         \$3.000.00         \$3.000.00         \$3.000.00         \$3.000.00         \$3	ا	Imported Borrow	130	130 00	M		\$	\$14,300.00	
Perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of the perimeable Material (Uralin Rook blanket)         FOR Section of	-	Rock Slope Protection - 1/4 Tonne RSP	100	115 98	¥3	15.98		\$5,799.00	00.667\$
Aggregate Base Class 2         Aggregate Class 2         Aggregate Base Class 2         Aggregate Class 2	$\infty$	Permeable Material (Drain Rock Blanker)	00-	58.40	M3	8 40		\$5,256.00	\$756.00
Asphalt Concrete, Type B         4.5         4.0         4.75         5.6           Asphalt Concrete Dike, Type A         26         3.0         EA         -0.25         \$1,60         \$4,735.50           Asphalt Concrete Dike, Type A         2         1.75         EA         -0.25         \$2,000.00         \$3,500.00           Asphalt Concrete Oriside Drain         2         2.00         EA         -0.25         \$2,000.00         \$4,000.00           Retal Beam Chardralling         34         2.8.65         M         -5.35         \$441.00         \$12,634.65         (           Cable Anchor Asembly and Terminal Section         4         3.50         EA         -0.50         \$100.00         \$10.00           Pipe Handralling         Pre-Cast Concrete Culvert Facility         1         1.00         LS         \$100.00         \$10.00         \$10.00           Pre-Cast Concrete Culvert Facility         1         1.00         LS         \$100.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$1.00         \$1.00         \$1.00         \$1.00 <td>6</td> <td>Aggregate Base Class 2</td> <td>36</td> <td>45.61</td> <td>MT</td> <td>0.61</td> <td>5</td> <td>\$7,601.82</td> <td></td>	6	Aggregate Base Class 2	36	45.61	MT	0.61	5	\$7,601.82	
Asphalt Concrete Dike, Type A         26         30.79         M         4.75         \$2,000.00         \$3,500.00           Asphalt Concrete Overside Drain         2         1.75         EA         -0.25         \$2,000.00         \$4,000.00           Rock Energy Dissipator         34         28.65         M         -5.35         \$4,000.00         \$12,634.65         (6,000.00)           Metal Beam Guardrailing         4         3.50         EA         -0.50         \$1,000.00         \$2,000.00         \$2,000.00           Cable Anchor Asembly and Terminal Section         1         10.00         M         -0.50         \$1,000.00         \$2,000.00         \$2,000.00           Pre-Cast Concrete Culvert Facility         1         1.00         LS         \$100,000.00         \$10,000.00	9	Asphalt Concrete, Type B	64	10.01		27 /		\$4 735 50	
Asphalt Concrete Overside Drain         2         1.75         EA         -0.29         \$2,000,00         \$3,000,00           Rock Energy Dissipator         34         28.65         M         -5.35         \$4,000,00         \$4,000,00           Metal Beam Guardrailing         34         28.65         M         -5.35         \$4,000,00         \$1,634.65           Cable Anchor Asembly and Terminal Section         10         M         -5.35         \$1,000,00         \$2,000,00           Pripe Handrailing         10         LS         A         -0.50         \$1,000,00         \$2,000,00           Pre-Cast Concrete Culvert Facility         1         1.00         LS         \$100,000         \$100,000           Remove and Salvage Existing Temporary Bridge         50         M         -50.00         \$40.00         \$100,000           Roadside Sign         Roadside Sign         1         LS         LS         -0.66667         \$4,500.00         \$1,941.10           Exita Work         1         LS         LS         -0.66667         \$4,500.00         \$1,941.10         \$2,500.00         \$2,500.00           Exita Work Increase         1.00         LS         1.00         \$2,500.00         \$2,500.00         \$2,500.00         \$2,500.00	7	Asphalt Concrete Dike, Type A	56	30.75	Σ¦i	67.4	È	\$2,500.00 \$2,500.00	
Rock Energy Dissipator         2         2.00         EA         \$2,000.00         \$4,000.00         \$4,000.00           Metal Beam Guardralling         28.65         M         -5.35         \$441.00         \$12,634.65         (6.00         (6.00         \$2,000.00         <	12	Asphalt Concrete Overside Drain	2	1.75	EA	c7.0-		43,300.00	00.000
Metal Beam Guardralling         34         28.65         M         -5.35         \$441.00         \$12,034.02           Cable Anchor Asembly and Terminal Section         4         3.50         EA         -0.50         \$1,000.00         \$3,500.00           Pipe Handralling         7         10.00         M         \$200.00         \$1,000.00         \$2,000.00           Pre-Cast Concrete Culvert Facility         1         1.00         LS         \$100,000.00         \$100,000.00           Remove and Salvage Existing Temporary Bridge         50         M         -50.00         \$40.00         \$12,000.00           Roadside Sign         Roadside Sign         1         LS         LS         -0.66667         \$4,500.00         \$2,400.00           Extra Work         1         LS         LS         -0.66667         \$2,500.00         \$1,941.10         \$2,000.00           CCO# 1 Extra Work Increase         LS         LS         -0.35297         \$2,000.00         \$2,250.00           CCO# 2 Extra Work Increase         LS         LS         1.00         \$2,250.00         \$2,550.00           CCO# 2 Extra Work Increase         LS         LS         LS         1.00         \$2,250.00	13	Rock Energy Dissipator	2	2.00	E		À	44,000.00	36 020 047
Cable Anchor Asembly and Terminal Section         4         3.50         EA         -0.50         \$1,000.00         \$3,500.00           Pipe Handralling         Pre-Cast Concrete Culvert Facility         1         1.00         LS         \$100,000.00         \$100,000.00           Remove and Salvage Existing Temporary Bridge         50         M         -50.00         \$12,000.00         \$12,000.00           Revement Delineation         10         Ex         -4.00         \$400.00         \$2,400.00           Roadside Sign         10         Ex         -0.66667         \$4,500.00         \$1,000.00           Erosion Control and Revegetation         1         LS         LS         -0.66667         \$3,000.00         \$1,941.10           Extra Work         1         LS         LS         -0.66667         \$27,072.10         \$2,250.00           CCO# 2 Extra Work Increase         LS         LS         LS         1.00         \$2,250.00         \$2,250.00           CCO# 2 Extra Work Increase         LS         LS         LS         LS         \$2,550.00         \$2,550.00	14	Metal Beam Guardrailing	34	28.65	Σ	-5.35		\$12,034.00	(\$2,539.33
Pre-Cast Concrete Culvert Facility         10         10.00         LS         \$2,000.00         \$2,000.00           Pre-Cast Concrete Culvert Facility         1         1.00         LS         \$100,000.00         \$100,000.00           Remove and Salvage Existing Temporary Bridge         50         M         -50.00         \$12,000.00         \$12,000.00           Revenent Delineation         10         Ex.         -4.00         \$400.00         \$2,400.00         \$2,400.00           Roadside Sign         LS         LS         LS         -0.66667         \$4,500.00         \$2,000.00         \$2,000.00           Extra Work         Extra Work Increase         LS         LS         -0.35297         \$2,000.00         \$1,941.10         \$2,250.00           CCO# 2 Extra Work Increase         LS         LS         LS         1.00         \$2,250.00         \$2,250.00         \$2,250.00	15	Cable Anchor Asembly and Terminal Section	4	3.50	EA	-0.50		\$3,500.00	00.000\$)
Pre-Cast Concrete Culvert Facility         1         1.00         LS         \$100,000.00         \$100,000.00           Remove and Salvage Existing Temporary Bridge         1         1.00         LS         \$12,000.00         \$12,000.00           Remove and Salvage Existing Temporary Bridge         50         M         -50.00         \$40.00         \$12,000.00           Pavement Delineation         10         EA         -0.66667         \$40.00         \$2,400.00           Roadside Sign         1         LS         LS         -0.66667         \$4,500.00         \$1,941.10           Extra Work         Extra Work Increase         1.00         \$27,072.10         \$27,072.10         \$27,072.10           CCO# 1 Extra Work Increase         LS         LS         LS         1.00         \$2,250.00           CCO# 2 Extra Work Increase         LS         LS         LS         1.00         \$2,250.00           CCO# 2 Extra Work Increase         LS         LS         LS         LS         LS	2 4	Dipo Handrailing	10	10.00	Σ		\$200.00	\$2,000.00	
Prevale Control and Salvage Existing Temporary Bridge         1         1.00         LS         \$12,000.00         \$12,000.00           Remove and Salvage Existing Temporary Bridge         50         M         -50.00         \$40.00         \$12,000.00           Pavement Delineation         10         6.00         EA         -4.00         \$2400.00         \$2,400.00           Roadside Sign         1         LS         LS         -0.66667         \$4,500.00         \$2,000.00           Extra Work         Extra Work Increase         1.00         LS         1.00         \$27,072.10         \$27,072.10           CCO# 1 Extra Work Increase         LS         LS         LS         1.00         \$2,250.00         \$2,250.00           CCO# 2 Extra Work Increase         LS         LS         1.00         \$2,250.00         \$2,250.00	2/5	Des Cont Concepts Culvert Facility	-	1.00	S		\$100,000.00	\$100,000.00	
Reality and Sarvage Lixinity of control and Revegetation         50         M         -50.00         \$40.00         \$2,400.00           Roadside Sign         1         LS         LS         -0.66667         \$4,500.00         \$2,400.00           Extra Work         Extra Work Increase         1         LS         LS         -0.35297         \$3,000.00         \$1,941.10         \$27,072.10         \$27,072.10         \$2,250.00           CCO# 2 Extra Work Increase         LS         LS         LS         1.00         \$2,250.00         \$2,250.00         \$2,250.00           TOTAL	- 0	Pre-Cast Collected Calver I acting		1.00	LS		\$12,000.00	\$12,000.00	
Pavement Define auton         Pavement Define auton         Pavement Define auton         \$2,400.00         \$2,400.00           Roadside Sign         1         LS         LS         -0.66667         \$4,500.00         \$2,000.00           Extra Work         Extra Work Increase         1         LS         LS         1.00         \$27,072.10         \$27,072.10           CCO# 2 Extra Work Increase         LS         LS         LS         1.00         \$2,250.00         \$2,250.00           CCO# 2 Extra Work Increase         LS         LS         LS         LS         1.00         \$2,250.00	0 0	Refriove and salvage Existing Temporary proge	50		Σ	-50.00			(\$2,000.00)
Koadside Sign         Koadside Sign         \$2,000.00         \$2,000.00           Erosion Control and Revegetation         1         LS         LS         -0.35297         \$3,000.00         \$1,941.10           Extra Work         Extra Work Increase         LS         LS         1.00         \$27,072.10         \$2,250.00           CCO# 2 Extra Work Increase         LS         LS         LS         1.00         \$2,250.00         \$2,250.00           TOTAI         TOTAI         TOTAI         \$2558,864.77         \$2558,864.7	2   2	Pavenien Demication	10	9 00	EA	-4.00		\$2,400.00	(\$1,600.00)
Extra Work         LS         LS         LS         4.35297         \$3,000.00         \$1,941.10           Extra Work Increase         CCO# 2 Extra Work Increase         LS         LS         1.00         \$27,072.10         \$22,250.00           CCO# 2 Extra Work Increase         LS         LS         LS         \$2,250.00         \$2558,864.77	3	Koadside Sign	1	0	0	-0 66667		\$2,000.00	(\$2,500.00)
Extra Work       LS       LS       LS       1.00       \$27,072.10       \$27,072.10         CCO# 1 Extra Work Increase       LS       LS       LS       1.00       \$2,250.00       \$2,250.00         CCO# 2 Extra Work Increase       LS       LS       LS       \$2,250.00       \$2,550.00	21	Erosion Control and Revegetation	-   -	3 0	2 0	-0.35297		\$1.941.10	(\$1,058.90)
CCO# 1 Extra Work Increase       1.00	52	Extra Work		3 5	3	4 00		\$27,072,10	\$27 072 10
CCO# 2 Extra Work Increase LS LS LS 1.00 \$2,200.00 \$2,20	23	CCO# 1 Extra Work Increase		00.T	2	00		42 250 00	\$2.250.00
\$258,864.77	24	CCO# 2 Extra Work Increase		ST	S	1.00		92,230.00	42,430.00
3238,804.77	25							11 100 000	640 047 00
		TOTAL						\$258,864.77	\$19,817.02

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