



1.15

DEPARTMENT OF
PUBLIC WORKS

ENGINEERING DIVISION

CITY OF SACRAMENTO
CALIFORNIA

April 27, 1993

927 TENTH STREET
ROOM 200
SACRAMENTO, CA
95814-2700

PH 916-264-7120
FAX 916-264-7903

CONSTRUCTION SECTION
640 BERGUT DRIVE
SUITE B
SACRAMENTO, CA
95814-0131

PH 916-264-5282
FAX 916-264-7276

City Council
Sacramento, California

Honorable Members in Session:

**SUBJECT: 1992/93 FEDERAL STREET RESURFACING/BIKELANE PROJECT
(PN:RD01) - CONTRACT AWARD AND APPROPRIATION OF \$417,808**

LOCATION AND COUNCIL DISTRICT: Various Streets in Sacramento
(See Attachment)
Various Districts

RECOMMENDATION:

This report recommends that the City Council:

1. Accept the low bid of Teichert Construction in the amount of \$1,983,665.98, and award the contract.
2. Adopt a resolution appropriating \$417,808 for the 1992/93 Federal Street Resurfacing/Bikelane Project (PN:RD01).

CONTACT PERSON: N. Dee Lewis, Supervising Engineer, 264-7130

FOR COUNCIL MEETING OF: May 11, 1993

SUMMARY:

The 1992/93 Federal Street Resurfacing/Bikelane project will resurface various city streets and will include installation of vehicle detector loops, installation of conduit, signing and bikeway striping.



City Council
1992/93 Federal Street Resurfacing/Bikelane Project (PN:RD01)
April 27, 1993

This project has been advertised for bids. Bids have been received and contract award to Teichert Construction is recommended. This report also recommends the adoption of a Resolution appropriating \$417,808 for the 1992/93 Federal Street Resurfacing/Bikelane Project (PN:RD01).

COMMITTEE/COMMISSION ACTION:

None.

BACKGROUND INFORMATION:

This project involves the resurfacing of various city streets and other roadway improvements. Construction will include pavement planing, placement of detector loops, overlaying with asphalt concrete, installation of conduits, signing and striping. In addition, this project will stripe and sign various existing roadways to include bike lanes.

A Categorical Exemption for this project was filed with the County Recorder of the County of Sacramento on July 29, 1992.

This project is partially funded with Federal Highway Administration ISTEA Transportation funds, administered through the State of California Department of Transportation (Caltrans) and included participation goals of 14% Disadvantaged Business Enterprise (DBE). The Federal Highway Administration combines the Minority Business (MBE) and Women-owned Business Enterprise (WBE) categories into one DBE category. On February 4, 1992 the City Council adopted a 14% minimum overall annual DBE goal for federal-aid transportation projects. Contract award is contingent upon the responsive low bidder either meeting the project DBE goals or documentation of adequate Good Faith Effort undertaken by the bidder to meet the project DBE goals.

The low bidder Teichert Construction of Sacramento exceeded the project 14% DBE participation goal. Teichert Construction submitted a bid indicating a 15.05% DBE participation with a Caltrans certified DBE (9.97%) and a City of Sacramento certified WBE (5.08%). Additionally, Teichert Construction submitted Good Faith Effort Documentation that was reviewed and approved by Caltrans. Staff recommends the City Council award the contract to Teichert Construction of Sacramento.

On March 2, 1993, the City Council approved the plans and specifications for the 1992/93 Federal Street Resurfacing/Bikelane (PN:RD01) project. Bids were received and opened by the City Clerk on March 31, 1993. The bids received were:

Teichert Construction	\$1,983,665.98
Granite Construction	\$2,010,898.67

The estimated project completion date is August 31, 1993.

FINANCIAL CONSIDERATIONS:

The engineer's estimated construction cost was \$2,151,000.

The current estimated total project cost, including all planning, design and construction cost is \$2,229,800.00. The current budget is \$1,885,689 which was approved in the Capital Improvement Program from the Federal Capital Grants fund (511). As of April 26, 1993 the project had a balance of \$1,885,263 from the Federal Capital Grants fund (511). Additional funds are needed for this project. Additional funding recommendations are listed in the following table.

Fund Source	Fund No.	Amount	Purpose
1991/93 Street Overlay project PN:RC71	(207)	\$ 316,213	Matching city funds
Additional Federal Funds (See attached letter dated 4/16/93 from Caltrans)	(511)	\$ 16,018	Federal Participation Agreement No. STPL-5002(003)
ATT-Cooperative Agreement No.93-041	(248)	\$ 1,760	Raise/lower ATT maintenance holes
PacBell-Cooperative Agreement No.93-006	(248)	\$ 10,120	Raise/lower PacBell maintenance holes
Total Fund Transfer		\$ 344,111	
Current Budget		\$ 1,885,689	
Total		\$ 2,229,800	

The Federal Highway Administration is contributing 88.53% of the total project costs in ISTEA funds administered through the State of California Department of Transportation (Caltrans).

As of April 26, 1993 the 1991/93 Street Overlay project (207-500-RC71-4820) had a balance of \$2,812,795 from the Sacramento Transportation Sales Tax-Maintenance fund (207).

POLICY CONSIDERATIONS:

This action is consistent with Chapter 58, Article III, Section 58.304 of the City Code concerning award of contracts and City Code Chapter 64, Article II, Section 64.208 which governs amendments to the city budget.

City Council
1992/93 Federal Street Resurfacing/Bikelane Project (PN:RD01)
April 27, 1993

MBE/WBE:

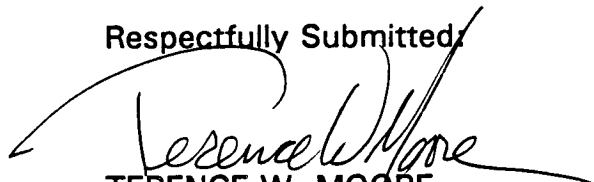
This project is partially funded with Federal Highway Administration ISTEA Transportation funds, administered through the State of California Department of Transportation (Caltrans) and included participation goals of 14% Disadvantaged Business Enterprise (DBE). The Federal Highway Administration combines the Minority Business (MBE) and Women-owned Business Enterprise (WBE) categories into one DBE category. On February 4, 1992 the City Council adopted a 14% minimum overall annual DBE goal for Federal-Aid Transportation projects. Contract award is contingent upon the responsive low bidder either meeting the project DBE goals or documentation of adequate Good Faith Effort undertaken by the bidder to meet the project DBE goals.

There were 15 planholders for this project, one of which was a MBE and one was a WBE. Neither of the two bidders on the project were M/WBE's.

The low bidder Teichert Construction of Sacramento exceeded the project 14% DBE participation goal. Teichert Construction submitted a bid indicating a 15.05% DBE participation with a Caltrans certified DBE (9.97%) and a City of Sacramento certified WBE (5.08%). Additionally, Teichert Construction submitted Good Faith Effort Documentation that was reviewed and approved by Caltrans. Staff recommends the City Council award the contract to Teichert Construction of Sacramento.

Plans and specifications were sent to twenty (20) plan rooms and construction services organizations for publication and use by the construction industry of Northern California. There are four (4) organizations on the distribution list that are directly involved with outreach to MBE/WBE contractors.


Respectfully Submitted,


TERENCE W. MOORE
Engineering Division Manager

RECOMMENDATION APPROVED:


WILLIAM H. EDGAR
City Manager

APPROVED:


JOHN E. MEDINA
Director of Public Works

FB:bm
EA6-08.1
04.2793

Attachment

RESOLUTION NO.

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF _____

RESOLUTION APPROVING THE TRANSFER OF \$417,808 TO THE
1992/93 FEDERAL STREET RESURFACING/BIKELANE PROJECT (PN:RD01)

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF SACRAMENTO:

1. The 1992/93 Capital Improvement Program is hereby amended by increasing the Federal Capital Grants revenue (511-500-RD01-3599) and expenditure (511-500-RD01-4820) budgets by \$88,353, pursuant to Federal Aid Project Agreement No. STPL-5002(003).
2. The 1992/93 Capital Improvement Program is hereby further amended by defunding the 1991/93 Street Overlay Project (207-500-RC71-4820) returning \$317,575 to the Transportation Sales Tax-Maintenance Contingency Reserve fund (207-710-7012-4999) and appropriating \$317,575 from Transportation Sales Tax-Maintenance Contingency Reserve fund (207-710-7012-4999) to the 1992/93 Federal Street Resurfacing/Bikelane project (207-500-RD01-4820).
3. The 1992/93 Capital Improvement Program is hereby further amended by increasing the Other Capital Grants revenue (248-500-RD01-3599) and expenditure (248-500-RD01-4820) budgets by \$11,880 pursuant to Cooperative Agreement No. 93-041 with ATT and Cooperative Agreement No. 93-006 with Pacific Bell.

MAYOR

ATTEST:

CITY CLERK

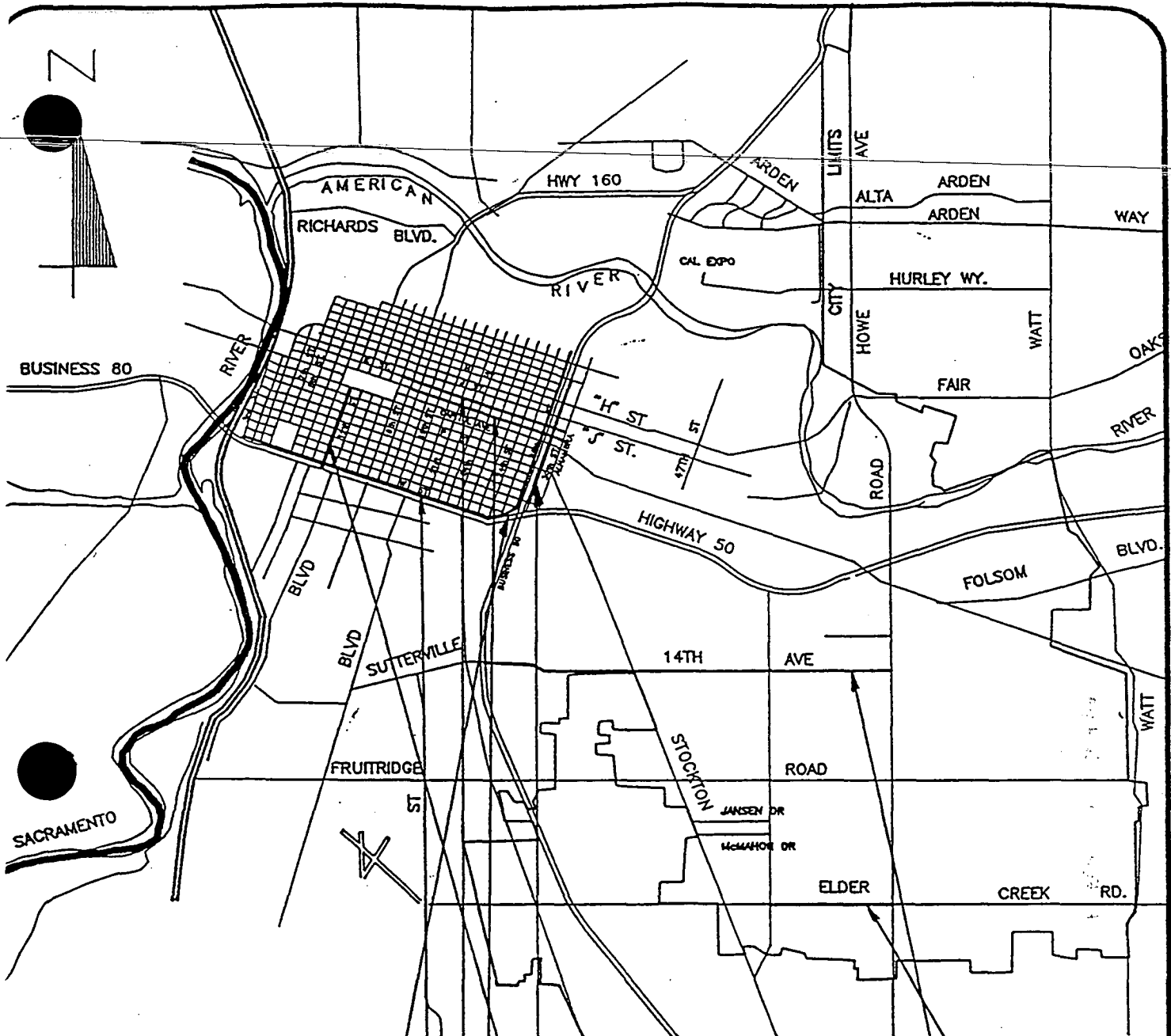
EA6-08.1

04.2793

FOR CITY CLERK USE ONLY

RESOLUTION NO.: _____

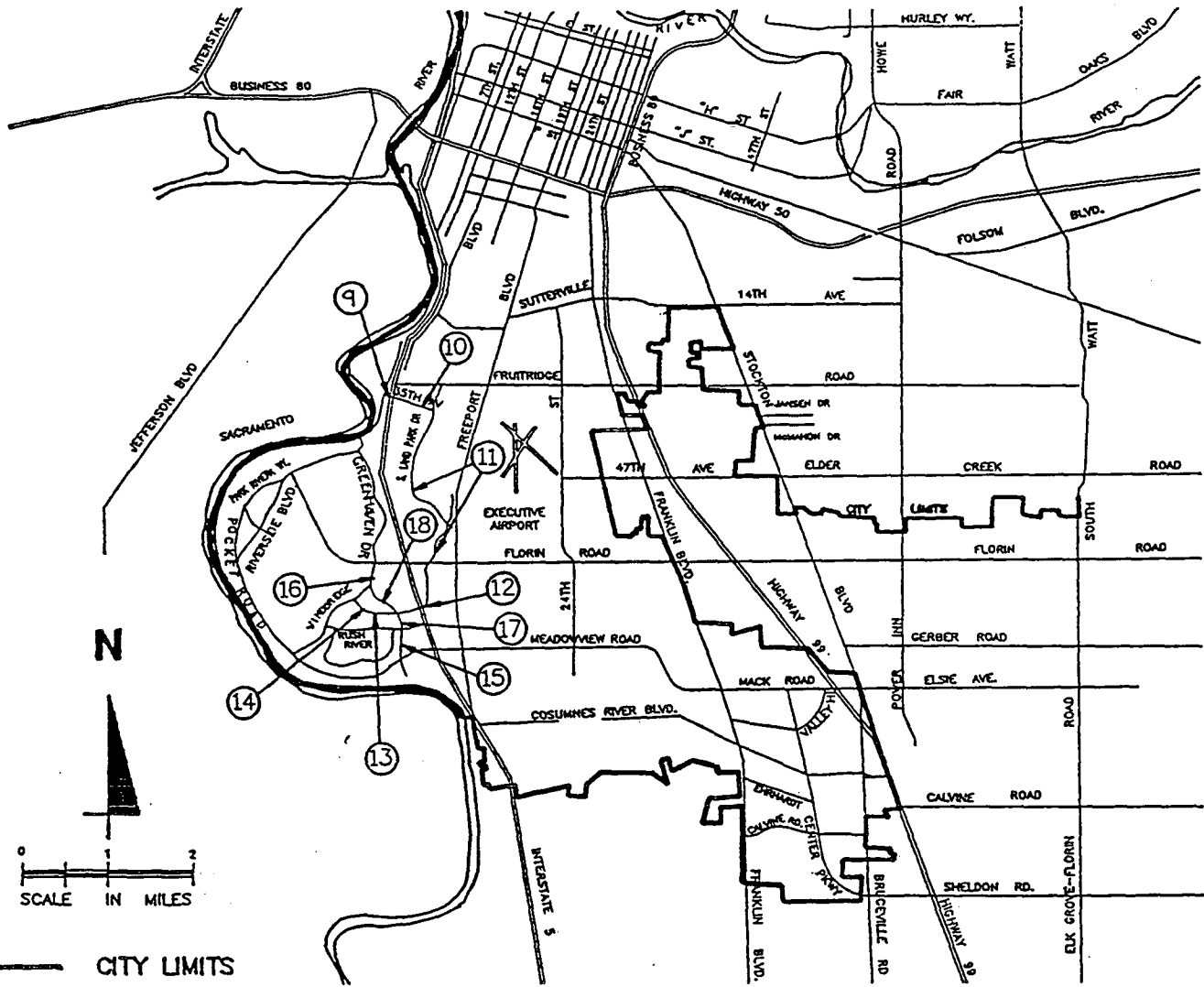
DATE ADOPTED: _____



- LOCATION 1 - 29th STREET
- LOCATION 2 - W STREET
- LOCATION 3 - K STREET
- LOCATION 4 - L STREET
- LOCATION 5 - 30th STREET
- LOCATION 6 - 12th/14th STREET
- LOCATION 7 - ELDER CREEK ROAD
- LOCATION 8 - 11th STREET

LOCATION MAP

1992/93 FEDERAL STREET OVERLAY PROJECT



LOCATION 9 - 35TH AVE FROM RIVERSIDE BLVD. TO 50' EAST OF I-5

LOCATION 10 - 35TH AVE FROM 50' EAST OF I-5 TO SOUTH LAND PARK DR

LOCATION 11 - SOUTH LAND PARK DR FROM FRUITRIDGE RD. TO WILLOW LAKE WAY

LOCATION 12 - SOUTH LAND PARK DR FROM CASTANO WAY TO WINDBRIDGE DR

LOCATION 13 - SOUTH LAND PARK DR FROM WILLOW LAKE WAY TO CASTANO WAY

LOCATION 14 - SOUTH LAND PARK DR FROM DESERT WIND WAY TO WINDBRIDGE DR. VERTICAL ALONG PARK AND SCHOOL

LOCATION 15 - GREENHAVEN DR. FROM POCKET RD. TO RUSH RIVER DR

LOCATION 16 - GREENHAVEN DR. FROM WINDBRIDGE DR. TO FLORIN RD.

LOCATION 17 - GREENHAVEN DR. FROM RUSH RIVER DR. TO HERITAGE WOOD CIR.

LOCATION 18 - GREENHAVEN DR. FROM HERITAGE WOOD CR. TO WINDBRIDGE DR.

LOCATION MAP

ISTEA BIKEWAY IMPROVEMENT PROJECTS

CITY OF SACRAMENTO
COOPERATIVE AGREEMENT BETWEEN CITY AND
AT&T
TO FACILITATE LOWERING AND/OR RAISING
OF EXISTING MAINTENANCE HOLES AND OTHER FACILITIES

This Agreement, entered into on February 11th, 1993, is between the City of Sacramento, a municipal corporation, referred to herein as "City," and AT&T, referred to herein as "Utility."

2. City and Utility mutually desire to cooperate in the lowering and/or raising of Utility's existing manholes and other facilities, referred to herein as "Utility's Work," as part of various City public works contracts, hereinafter referred to as "Project Contracts."
3. City shall identify to Utility, in writing, specific projects proposed for funding under this agreement and a cost estimate of Utility's work required for each project.
4. Utility shall advise City, in writing, of Utility's approval to proceed with funding Utility's work on specific projects under the terms of this agreement, within fourteen (14) calendar days of receipt of City's cost estimate provided in Paragraph 3.
5. City shall provide Utility with a bid cost summary of Utility's work based on low bid following receipt of bids. If bid cost summary total is within 10% of the cost estimate provided in paragraph 3, City shall have its contractor(s) perform Utility's Work as specified by Utility and stated in the Project Contracts. If the bid cost summary exceeds the cost estimate by more than 10%, and Utility prefers to perform its work itself, Utility shall so inform City within five (5) calendar days of receiving the bid cost summary.
6. Utility agrees to reimburse City within thirty (30) days after receipt of billing for all expenses associated with Utility's Work as part of each Project Contract.
7. Utility agrees to reimburse City for all actual construction costs and any other incidental costs incurred by City in having contractor perform Utility's Work. Estimated costs for the work, based on the prices bid for Utility's Work in the Project Contracts shall not ordinarily exceed Twenty-five Thousand Dollars (\$25,000) per Project Contract. Utility agrees it shall reimburse City for any additional costs incurred, beyond those stated above, connected or associated in any way with Utility's Work, including but not limited to, those additional costs unforeseen and unforeseeable at the time of execution of this contract, i.e. unacceptable subsurface conditions or soil compaction complications or any other condition or occurrence that causes Utility's Work to incur additional costs to that specified above.
8. It is mutually agreed that Utility may terminate this agreement without cause, upon fully complying with the provisions of this paragraph. Utility shall provide written notice to City within fifteen (15) days of receipt of the bids by City for each Project Contract, specifying Utility's wish to terminate this Agreement, and agreeing to perform Utility's Work without interfering with or delaying City's contractor. This notice shall not be effective unless accompanied by an executed Indemnity and Hold Harmless Agreement, in a form acceptable to the City Attorney, and security, in the form of a certificate of deposit or a letter of credit, in a form acceptable to the City Attorney in the amount bid by the City's selected Contractor.
9. This agreement shall terminate three years from the date stated in the first paragraph of this Agreement, unless extended by mutual agreement of the parties signatory hereto.

CITY OF SACRAMENTO

By: [Signature] Date _____
Print Name: _____
Title: _____

As to Form:

Sabrina M. Thompson
Deputy City Attorney

WITNESSES

CITY CLERK
[Signature]

AGREED: Jerry S. Hickman Date 08-26-92

Print Name: JERRY S. HICKMAN
Title: SUPERVISOR

Address: 11353 SUNRISE GOLD CIR. "E"
Phone: RANCHO CORDOVA, CA. 95742
916 638 8492

CITY MANAGER
AGREEMENT NO. 93-041 AGR7-07J

CITY OF SACRAMENTO
COOPERATIVE AGREEMENT BETWEEN CITY AND
PACIFIC BELL
TO FACILITATE LOWERING AND/OR RAISING
OF EXISTING MAINTENANCE HOLES AND OTHER FACILITIES

1. This Agreement, entered into on Jan 13th, 1993, is between the City of Sacramento, a municipal corporation, referred to herein as "City," and Pacific Bell, referred to herein as "Utility."
2. City and Utility mutually desire to cooperate in the lowering and/or raising of Utility's existing manholes and other facilities, referred to herein as "Utility's Work," as part of various City public works contracts, hereinafter referred to as "Project Contracts."
3. City shall identify to Utility, in writing, specific projects proposed for funding under this agreement and a cost estimate of Utility's work required for each project.
4. Utility shall advise City, in writing, of Utility's approval to proceed with funding Utility's work on specific projects under the terms of this agreement, within fourteen (14) calendar days of receipt of City's cost estimate provided in Paragraph 3.
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7. Utility agrees to reimburse City for all actual construction costs and any other incidental costs incurred by City in having contractor perform Utility's Work. Estimated costs for the work, based on the prices bid for Utility's Work in the Project Contracts shall not ordinarily exceed Twenty-five Thousand Dollars (\$25,000) per Project Contract. Utility agrees to reimburse City for any additional costs incurred, beyond those stated above, connected or associated in any way with Utility's Work, including but not limited to, those additional costs unforeseen and unforeseeable at the time of execution of this contract, i.e. unacceptable subsurface conditions or soil compaction complications or any other condition or occurrence that causes Utility's Work to incur additional costs to that specified above.
8. It is mutually agreed that Utility may terminate this agreement without cause, upon fully complying with the provisions of this paragraph. Utility shall provide written notice to City within fifteen (15) days of receipt of the bids by City for each Project Contract, specifying Utility's wish to terminate this Agreement, and agreeing to perform Utility's Work without interfering with or delaying City's contractor. This notice shall not be effective unless accompanied by an executed Indemnity and Hold Harmless Agreement, in a form acceptable to the City Attorney, and security, in the form of a certificate of deposit or a letter of credit, in a form acceptable to the City Attorney in the amount bid by the City's selected Contractor.
9. This agreement shall terminate three years from the date stated in the first paragraph of this Agreement, unless extended by mutual agreement of the parties signatory hereto.

CITY OF SACRAMENTO

By: [Signature] 1/11/93 Date
Print Name: John E. Medina
Title: Director of Public Works

AGREED: [Signature]
By: 10-6-92 Date
Print Name: E. J. SVENDSEN
Title: Regional Manager

Address: 3707 Kings Way, P. O. Box 15038
Sacramento, CA 95851
Phone: Yolanda Matranga, 916-972- [Redacted]

Approved as to Form:

[Signature]
Deputy City Attorney

ATTEST:

[Signature]
CITY CLERK

CITY MANAGER

AGREEMENT NO. 93-006

AGR7-07

DEPARTMENT OF TRANSPORTATION

DISTRICT 3

P.O. BOX 911, MARYSVILLE, CA 95901

TDD Telephone (916) 741-4509

Telephone (916) 741-5466

Telephone (916) 741-5450

April 16, 1993

03-Sac-0-Sac
STPL-5002(003)
03 - 450234

Mr. John Medina
Director of Public Works
City of Sacramento
Attention Mr. Ken Grehm
915 I Street, Room 207
Sacramento, CA 95814

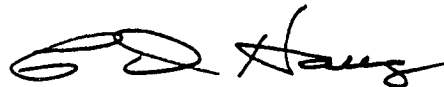
Dear Mr. Medina:

Attached for your information is a copy of the Detail Estimate, Financing Letter showing initial cost breakdown, and Bid Tabulation for the subject project. This initial estimate is based on the contract bid figures plus estimated costs for contingencies and construction engineering.

Please use the same format on the "Final" Detail Estimate when the project is completed. The cost on the Final Invoice must agree with the Final Detail Estimate.

Question may be directed to Mr. Steve Propst, telephone (916) 741-5455.

Sincerely,



P. D. HAUG
District Local Streets & Roads Engineer

Attachments

SWP:jfs
cc: Bill Sanders, Construction (w/attachs)

LAL1869



FINANCING LE

DEPARTMENT OF TRANSPORTATION
EXPENDITURE AUTHORIZATION FINANCING FOR LOCAL AGENCY PROJECTS

Date 4/13/93

TO:
ATTN: Randy Steen

Location 03-SAC-O-CITY

Project No. STPL-5002(003)

EA No. 03 450234

REVISED

	TOTAL COST OF WORK	TOTAL PARTIC. COST	FEDERAL FUNDS STPL	LOCAL FUNDS	OTHER FUNDS TYPE: _____	OTHER FUNDS TYPE: _____
Agency Preliminary Engr. State Furn. Prelim. Engr. Overhead at _____%	<u>\$ 77,522</u>	<u>\$ 77,522</u>	<u>\$ 68,630</u>	<u>\$ 8,892</u>	<u>\$ _____</u>	<u>\$ _____</u>
R/W Engr. & Admin. Costs R/W Purchase Costs Reloc. Assist. (SJ 3A055)	_____	_____	_____	_____	_____	_____
Contract Items <u>\$ 1,983,666</u> Utilities _____ Suppl. Work _____ Contingencies <u>79,347</u> Agency Furn. Mat. _____	_____	_____	_____	_____	_____	_____
Contract Total Agency <input checked="" type="checkbox"/> LAAPS <input type="checkbox"/>	<u>2,063,013</u>	<u>2,063,013</u>	<u>1,826,385</u>	<u>236,638</u>	_____	_____
Agency Construction Engineering State Furn. Constr. Engr. Overhead at _____%	<u>86,265</u>	<u>86,265</u>	<u>76,370</u>	<u>9,895</u>	_____	_____
State Furn. Mat. Testing Overhead at _____% EA. NO. _____	<u>3,000</u>	<u>3,000</u>	<u>2,656</u>	<u>334</u>	_____	_____
Striping by Agency TOTAL	<u>\$ 2,229,800</u>	<u>\$ 2,229,800</u>	<u>\$ 1,974,042</u>	<u>\$ 255,759</u>	<u>\$ _____</u>	<u>\$ _____</u>
Federal Participation <u>100%</u> Reimb. Ratio <u>88.5%</u>						

REMARKS:

Signature Steve Propst
Steve Propst
le Dist.03 Local Streets and Roads

BID TABULATION

Project: 1992/93 Federal Street Resurfacing/Bikelane Project

Engineer: Grehm

Resolution of Intention No.:

Date Bids Received: 3-31-93

Estimate

Low Bid

Comparison

\$2,162,884.70

\$1,983,665.98

(\$179,218.72)

P.N.: RD01

License No.: 8

-8.29%

Alternates:

Bid Totals

Bidders

\$1,983,665.98

Teichert Construction
8811 Kiefer Blvd.
Sacramento, CA 95826
Phone (916)386-6800
Lic. 8

\$2,010,898.67

Granite Construction Co.
P.O. Box 50085
Watsonville, CA 95077-5085
Phone (408)724-1011
Lic. 89



DETAIL ESTIMATE

To be used as a basis of agreement for Federal Aid Project STPL-5002(003) in the City of Sacramento which provides funding for the 1992/93 Street Resurfacing and Bikeland project.

Construction Authorization Date: April 13, 1993

Preliminary Engineering Authorization Date: August 20, 1993

Type: Resurfacing and Striping

CODE: I000

ITEM ESTIMATE

LENGTH 21 Miles

<u>Item No.</u>	<u>Item Description</u>	<u>Unit Meas.</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
1	PAVEMENT KEYCUTTING	LF	6,200	\$ 0.75	\$ 4,650.00
2	PAVEMENT PLANING	SY	265,092	1.21	320,761.32
3	PLANNED PAVEMENT CONFORMS	SY	190	3.80	722.00
4	PAVEMENT REINFORCEMENT FABRIC	SY	287,006	0.67	192,294.02
5	ASPHALT CONCRETE OVERLAY SURFACING	TON	33,400	24.50	818,300.00
6	MAINTENANCE HOLES, LOWER	EA	389	120.00	46,680.00
7	MAINTENANCE HOLES, RAISE	EA	389	180.00	70,020.00
8	ATT MAINTENANCE HOLES, LOWER	EA	4	150.00	600.00
9	ATT MAINTENANCE HOLES, RAISE	EA	4	290.00	1,160.00
10	MH HEAD CASTINGS, TO SUPPLY	EA	40	150.00	6,000.00
11	WATER VALVE BOXES, LOWER	EA	261	100.00	26,100.00
12	WATER VALVE BOXES, RAISE	EA	261	190.00	49,590.00
13	PAC BELL MH, LOWER	EA	23	150.00	3,450.00
14	PAC BELL MH, RAISE	EA	23	290.00	6,670.00
15	4" PREFORMED TRAFFIC STRIPE, WHITE	LF	11,198	1.00	11,198.00

<u>Item No.</u>	<u>Item Description</u>	<u>Unit Meas.</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
16	4" PREFORMED TRAFFIC STRIPE, YELLOW	LF	1,422	1.00	1,422.00
17	6" PREFORMED TRAFFIC STRIPE	LF	1,029	1.80	1,852.20
18	8" PREFORMED TRAFFIC STRIPE	LF	5,629	2.50	14,072.50
19	12" PREFORMED TRAFFIC STRIPE	LF	6,987	3.80	26,550.60
20	PREFORMED PAVEMENT MARKINGS	SF	1,848	8.00	14,784.00
21	TYPE D PAVEMENT MARKINGS	EA	80	3.80	304.00
22	TYPE G PAVEMENT MARKINGS	EA	262	3.80	995.60
23	PAINTED PAVEMENT MARKINGS (TWO COATS)	SF	3,393	1.70	5,768.10
24	4" PAINTED STRIPE, WHITE	LF	46,660	0.13	6,065.80
25	6" PAINTED STRIPE, WHITE	LF	48,356	0.19	9,187.64
26	R81 SIGN, TO PLACE	EA	69	110.00	7,590.00
27	R26 SIGN, TO PLACE	EA	28	110.00	3,080.00
28	INSTALL 5' X 5' INDUCTION DETECTOR LOOP	EA	85	210.00	17,850.00
29	INSTALL 6' X 6' INDUCTION DETECTOR LOOP	EA	84	215.00	18,060.00
30	INSTALL 6' X 10' INDUCTION DETECTOR LOOP	EA	1	235.00	235.00
31	INSTALL 6' X 15' INDUCTION DETECTOR LOOP	EA	1	250.00	250.00
32	MODIFY DETECTOR HANDHOLE	EA	12	50.00	600.00
33	INSTALL DETECTOR HANDHOLE	EA	15	250.00	3,750.00
34	INSTALL CURB TERMINATION	EA	38	175.00	6,650.00
35	INSTALL 2" CONDUIT/GROUND CONDUCT	LF	11,000	4.00	44,000.00

<u>Item No.</u>	<u>Item Description</u>	<u>Unit Meas.</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
36	INSTALL 2.5" CONDUIT/ GROUND CONDUCT	LF	500	5.10	2,550.00
37	INSTALL 3" CONDUIT/GROUND CONDUCT	LF	1,500	6.50	9,750.00
38	INSTALL 4" CONDUIT/GROUND CONDUCT	LF	850	8.50	7,225.00
39	INSTALL 6" CONDUIT/GROUND CONDUCT	LF	50	50.00	2,500.00
40	INSTALL NO. 5 PULLBOX	EA	65	190.00	12,350.00
41	INSTALL NO. 6 PULLBOX	EA	80	200.00	16,000.00
42	INSTALL INTERCONNECT PED	EA	2	150.00	300.00
43	REMOVE RR TRACKS/CONCRETE	JOB	1	7,000	7,000.00
44	PAVEMENT KEYCUTTING	LF	8,500	0.75	6,375.00
45	PAVEMENT PLANING	SF	7,300	1.50	10,950.00
46	PAVEMENT REINFORCEMENT FABRIC	SF	36,960	0.67	24,763.20
47	ASPHALT CONCRETE OVERLAY SURFACING	TON	4,400	24.20	106,480.00
48	MAINTENANCE HOLES, LOWER	EA	44	120.00	5,280.00
49	MAINTENANCE HOLES, RAISE	EA	44	220.00	9,680.00
50	WATER VALVE BOXES, LOWER	EA	35	100.00	3,500.00
51	WATER VALVE BOXES, RAISE	EA	35	190.00	6,650.00
52	INSTALL 6' X 6' INDUCTION DETECTOR LOOP	EA	50	215.00	10,750.00
53	MODIFY DETECTOR HANDHOLE	EA	6	50.00	<u>300.00</u>
Subtotal Contract Items					\$1,983,665.98
Contingencies 4%					<u>79,347.02</u>
Contract Total					\$2,063,013.00
Construction Engineering 4.5%					<u>89,265.00</u>
TOTAL					\$2,152,278.00

SUMMARY

	<u>Total Cost</u>	<u>Participating Cost</u>	<u>Federal Funds</u>	<u>Other Funds</u>
Preliminary Engineering	\$ 77,522.00	\$ 77,522.00	\$ 68,630.00	\$ 8,892.00
Construction Code I000	<u>2,152,278.00</u>	<u>2,152,278.00</u>	<u>1,905,412.00</u>	<u>246,866.00</u>
TOTAL COST	\$2,229,800.00	\$2,229,800.00	\$1,974,042.00	\$255,758.00
Contract Items Participating	=	\$2,229,800.00	=	100%
Contract Items Nonparticipating	=	<u>0.00</u>	=	<u>0</u>
TOTAL		\$2,229,800.00	=	100%

Federal Reimbursement Ratio: 88.53%

Appropriation Code: I000

SWP
4-15-93
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