AG Contract No. KR02-1913TRN
ADOT ECS File No. JPA 02-157
Project: Santan Freeway (202L)
Section: Dobson Road– Arizona Avenue
TRACS No.: H5666 01C
5yr Item No.: 81503/81603

INTERGOVERNMENTAL AGREEMENT

BETWEEN
THE STATE OF ARIZONA,
AND
CITY OF CHANDLER

THIS AGREEMENT is entered into 17 March ,2003, pursuant to the Arizona Revised Statutes, Section 28-401, as amended, between the STATE OF ARIZONA, acting by and through its DEPARTMENT OF TRANSPORTATION (the "State") and the CITY OF CHANDLER, acting by and through its MAYOR AND CITY COUNCIL (the "City").

I. RECITALS

1. The State is empowered by Arizona Revised Statutes Section 28-408 to enter into this Agreement and has by resolution, a copy of which is attached hereto and made a part hereof, resolved to enter into this Agreement and has delegated to the undersigned the authority to execute this Agreement on behalf of the State.

2. The City is empowered by Arizona Revised Statues Section 48-572 to enter into this agreement and has by resolution, a copy of which is attached hereto and made a part hereof, resolved to enter into this Agreement and has authorized the undersigned to execute this Agreement on behalf of the City.

3. Incident to the construction of the Santan Freeway (202L), Dobson Road – Arizona Avenue contemplated by the State, the City has requested the State construct a number of utility, signal related, or aesthetic improvements, on behalf of the City, hereinafter referred to as "Project". The items listed on, but not limited to, Exhibit A, attached hereto and made a part hereof, are the estimated costs of $564,683.00, at City expense.

4. The State's construction of the Project will include the relocation / installation of City utilities. It is understood that the State is acting as a third party on behalf of the City, administering construction of the City's facilities. At no time is the State to be considered the owner of, operator of, or locator for the City's facilities.

THEREFORE, in consideration of the mutual agreements expressed herein, it is agreed as follows:

NO. 25889
Filed with the Secretary of State
Date Filed: 03/17/03
Janice K. Brewer
Secretary of State
By: Diane D. Gruenewald

II. SCOPE OF WORK

1. The State will:

a. Upon execution of this agreement, invoice the City $564,683.00 for the estimated cost of the Project which includes a fixed rate of 14% for construction engineering and administration, as shown on Exhibit A. The estimated amount above, due (30) days after receipt of an invoice, shall be available to the State as required to pay actual monthly contractor payments of the Project.

b. Upon receipt of estimated funds from the City, will agree to be authorized agent for the City. Will include the City's requested enhancements and provide to State standard design plans, specifications and other such documents and services required for the bidding and construction of the Project.

c. Upon completion of final design and approvals/clearances, will advertise for bid the State's Santan (202L) Freeway, Dobson Road – Arizona Avenue project. On behalf of the City and with approval by Resolution of the State Transportation Board, award one or more contracts to accomplish the Project(s), administer same and make all payments to the contractor(s). Confer with the City on any Project related contract modifications. Be responsible for any contractor claims for extra compensation due to delays or whatever reason attributable to the State.

d. Upon completion of the Project, will provide the City with a recapitulation of the Projects cost, to include by not limited to: design, construction and post design costs, along with an invoice or reimbursements, for the difference between the amount paid by the City and the actual costs for the Project, which includes a fixed rate of 14% for construction engineering and administration costs.

e. Upon approval and acceptance of the Project on behalf of the parties hereto as complete, will provide maintenance inside the State's control of access, excluding all Project aesthetic enhancement features constructed at the City's request.

2. The City will:

a. Upon execution of this agreement, and receipt of the invoice, will remit to the State, $564,683.00 for the estimated costs of the Project (includes a fixed rate of 14% construction engineering, and administration), as shown on Exhibit A.

b. Will and does hereby designate the State as authorized agent for the City. The City will be responsible for the actual costs for the Project, which includes a fixed rate of 14% for construction engineering and administration costs. Project costs to include but not limited to: design, construction and post design costs, currently estimated at $564,683.00

c. Will review the design plans, specifications and other such documents and provide comments as necessary.

d. Will be responsible for any design consultant and/or contractor claims for extra compensation attributable to the City. The City agrees to be responsible for any liability which may be a result of the Project, with the exception of any negligence or willful conduct on the part of the State. Should the City withdraw its proposed plans for whatever reason, the City shall be responsible for all costs incurred by the State up to the time of withdrawal, unless the reason for the City's cancellation is due to the State's failure to comply with its obligations herein.

e. Upon completion and acceptance of the Project, will reimburse the State if the actual costs incurred by the State for the Project, exceeds the amount of the City's remittance, within 30 days after receipt of an invoice for the actual cost of the Project, which includes a fixed rate of 14% for construction engineering and administration costs for the Project.

f. Upon completion and acceptance of the Project by the State on behalf of the parties hereto, will provide maintenance of the Project, including but not limited to maintenance and painting required for the elements listed in Item No. 1 and Item No. 5: as listed on Exhibit A. It is understood, Item No. 3 (traffic signal) on Exhibit A, will be turned over to the City once the signal is turned on and the City will provide operation and maintenance of the signal and any highway lighting. In addition, the City will be responsible for electrical power costs associated with the signal. The City's obligations to maintain the Project shall be perpetual as to any aesthetic enhancements to elements of the Project and all other elements of the Project(s) shall endure until the element is removed or abandoned in place.

III. MISCELLANEOUS PROVISIONS

1. This agreement shall remain in force and effect until completion of the Project and said payments or reimbursements; provided, however, that this agreement, may be cancelled at any time prior to the advertisement of a Project construction contract, upon thirty (30) days written notice to the other party notwithstanding the preceding sentence.

2. This agreement shall become effective upon filing with the Secretary of State.

3. This agreement may be canceled in accordance with Arizona Revised Statutes Section 38-511.

4. The provisions of Arizona Revised Statutes Section 35-214 are applicable to this agreement.

5. In the event of any controversy which may arise out of this agreement, the parties hereto agree to abide by required arbitration as is set forth for public works contracts in Arizona Revised Statutes Section 12-1518.

6. All notices or demands upon any party to this agreement shall be in writing and shall be delivered in person or sent by mail addressed as follows:

Arizona Department of Transportation
Joint Project Administration
205 South 17th Avenue, Mail Drop 616E
Phoenix, Arizona 85007

City of Chandler
City Manager, Mail Stop 605
55 N. Arizona Pl., Suite 301
P.O. Box 4008
Chandler, AZ 85244-4008

IN WITNESS WHEREOF, the parties have executed this agreement the day and year first above written.

CITY OF CHANDLER

By _____
BOYD DUNN
Mayor

ATTEST

By _____
MARLA PADDOCK
City Clerk

STATE OF ARIZONA
Department of Transportation

By: _____
DANIEL S. LANCE, P.E.
Deputy State Engineer

G:02-157-Chandler-Dobson-Arizona Ave
13Feb2003 ly

TERRY GODDARD
Attorney General

OFFICE OF THE ATTORNEY GENERAL
STATE OF ARIZONA

CIVIL DIVISION
TRANSPORTATION SECTION
Writer's Direct Line: 602.542.8855
Facsimile: 602.542.3646
E-mail: Susan Davis@azag.gov

INTERGOVERNMENTAL AGREEMENT DETERMINATION

A.G. Contract No. KR02-1913TRN (**JPA 02-157**), an Agreement between public agencies, i.e., The State of Arizona and City of Chandler, has been reviewed pursuant to A.R.S. § 11-952, as amended, by the Undersigned Assistant Attorney General who has determined that it is in the proper form and is within the powers and authority granted to the State of Arizona.

No opinion is expressed as to the authority of the remaining Parties, other than the State or its agencies, to enter into said Agreement.

DATED: October 18, 2005

TERRY GODDARD
Attorney General

Susan Davis

SUSAN E. DAVIS
Assistant Attorney General
Transportation Section

SED:mjf:930182
Attachment

JPA 02-157

RESOLUTION

BE IT RESOLVED on this 20th day of September, 2002, that I, the undersigned VICTOR M. MENDEZ, as Director of the ARIZONA DEPARTMENT OF TRANSPORTATION, have determined that it is in the best interests of the STATE OF ARIZONA that the DEPARTMENT OF TRANSPORTATION, acting by and through the Intermodal transportation Division, to enter into an agreement with the City of Chandler, for the purpose of defining responsibilities for the design and construction of a number of utility, signal related, or aesthetic improvements, including the relocation/ installation of City utilities, incident to the State's construction of the Santan Freeway (202L).

Therefore, authorization is hereby granted to draft said agreement, which, upon completion, shall be submitted to the Deputy State Engineer for approval and execution.

Susan Jolly for

JOHN W. CARR, P.E., Staff Engineer
Development / Intermodal Transportation Division
for VICTOR M. MENDEZ, Director

RESOLUTION NO. 3581

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CHANDLER, ARIZONA, AUTHORIZING AN INTERGOVERNMENTAL AGREEMENT (IGA) WITH THE ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT) FOR CITY FUNDING OF AESTHETIC ENHANCEMENTS TO THE SANTAN FREEWAY FROM DOBSON ROAD TO ARIZONA AVENUE

WHEREAS, the City of Chandler desires aesthetic enhancements to the Santan Freeway; and,

WHEREAS, the City of Chandler desires to incorporate improvements to certain traffic signals, reclaimed water facilities, and bus bays along the Santan Freeway; and,

WHEREAS, the Arizona Department of Transportation will provide design, bidding and construction services for these facilities as part of the Santan Freeway project; and

WHEREAS, an IGA is required by the City and ADOT to specify the responsibilities between the parties;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Chandler, Arizona, that the Mayor be authorized to sign and execute said amended Intergovernmental Agreement on behalf of the City of Chandler.

PASSED AND ADOPTED by the City Council of the City of Chandler, Arizona this 27th day of February 2003.

ATTEST:

CITY OF CHANDLER CORPORATE SEAL ARIZONA

CITY CLERK

MAYOR

CERTIFICATION:

I HEREBY CERTIFY that the above and foregoing Resolution No. 3581 was duly passed and adopted by the City Council of the City of Chandler, Arizona, at the regular meeting held on the 27th day of February 2003, and that a quorum was present thereat.

CITY CLERK

APPROVED AS TO FORM:

CITY ATTORNEY

JPA 02-157

APPROVAL OF THE CITY OF CHANDLER ATTORNEY

I have reviewed the above referenced proposed intergovernmental agreement, between the DEPARTMENT OF TRANSPORTATION, INTERMODAL TRANSPORTATION DIVISION, and the CITY OF CHANDLER and declare this agreement to be in proper form and within the powers and authority granted to the City under the laws of the State of Arizona. No opinion is expressed as to the authority of the State to enter into this agreement.

DATED this 28th day of February, 2003.

Dennis M. O'Neill

Attorney

EXHIBIT "A" SUMMARY
SUMMARY OF IGA COSTS

SANTAN FREEWAY (DOBSON ROAD TO ARIZONA AVENUE)
DESCRIPTION AND COST OF PAY ITEMS FOR THE CITY OF CHANDLER ENHANCEMENTS

	ITEM	COST DESIGN	COST CONSTRUCTION	COST TOTAL	DESCRIPTION
1	ALMA SCHOOL ROAD AND ARIZONA AVENUE BUSBAYS	See Footnote 1	30,400.00	30,400.00	Busbays at Alma School Road and Arizona Avenue requested by the COC. ASR NB Sta 14+69 to 17+25, Arizona Ave NB Sta 16+19 to 16+94.
2	STEEL CASING FOR FUTURE RECLAIMED WATERLINE	See Footnote 1	103,512.00	103,512.00	36" sleeve across Alma School Road and 36" sleeve across Arizona Avenue.
3	TRAFFIC SIGNAL ITEMS	1,260.00	82,842.00	84,102.00	The City of Chandler requested that ADOT provide and install Optical Pre-emption equipment and auto-scope detector cameras for crossroad traffic signals within the project limits. Design effort includes research plan revisions and special provisions. Fixed credit provided for typical loop installation.
4	COMMUNICATIONS CONDUIT	See Footnote 1	54,319.00	54,319.00	Conduits on Dobson Road Bridge & Road (6-4" conduits) and Alma School Road Bridge & Road (2-4" conduits). Conduits extend to end of PCCP and then to back of sidewalk.
5	ACCENT PAINTING AND BRIDGES AESTHETICS	9,975.00	282,375.00	292,350.00	Accent painting of bridge parapets, barrier, fencing and pier columns at Dobson Road, Alma School Road and Arizona Avenue. Paint crossroad right of way fencing. Provide metal fence graphics at crossroad bridge structures. Provide accent painting on retaining walls. Design includes plans, special provisions and estimate for accent painting. Preparing basefiles and sheet preparation for aesthetics.
	Item 1-5 Sub-Total:	**11,235.00**	**553,448.00**	**564,683.00**	
	TOTAL:	**11,235.00**	**553,448.00**	**564,683.00**	

1. Design Costs for this Item are reflected in JPA 02-012.

EXHIBIT A
ITEM 1 IGA COST BACKUP

	Item No	Item Description	Unit	Quantity	Unit Price	Amount
1		**ITEM 1 - BUS BAYS ON ALMA SCHOOL ROAD AND ARIZONA AVENUE**				
2						
3						
4	4010028	PORTLAND CEMENT CONCRETE PAVEMENT (FOR BUS BAY)	SQ.YD.	430	$40.00	$17,200.00
5	9080101	CONCRETE CURB AND GUTTER, TYPE A (MAG DET. 220)	L. FT.	319	$8.00	$2,552.00
6	9080109	CONCRETE CURB (MAG 222, TYPE A)	L.FT.	154	$8.00	$1,232.00
7	9080241	CONCRETE SIDEWALK (MAG DET. 230 & 231)	SQ.FT.	556	$2.25	$1,251.00
8	9080602	CONCRETE BUS SHELTER PAD (COC STD C-237)	SQ. FT.	420	$3.00	$1,260.00
9						
10		**SUBTOTAL CONSTRUCTION COST (ITEM 1)**				**$23,495.00**
11						
12		MAINTENANCE OF TRAFFIC SHARE[1]	L.SUM	1	1.50%	$352.00
13		CONSTRUCTION SURVEYING AND LAYOUT SHARE[2]	L.SUM	1	1.00%	$235.00
14		CONTRACTOR QUALITY CONTROL SHARE[3]	L.SUM	1	1.00%	$235.00
15		MOBILIZATION SHARE[4]	L.SUM	1	10.00%	$2,350.00
16						
17		**SUBTOTAL CONSTRUCTION COST (ITEM 1)**				**$26,667.00**
18						
19						
20		14% CONSTRUCTION ENGINEERING AND ADMINISTRATION[5]			14.00%	$3,733.00
21		DESIGN ENGINEERING[7]				$0.00
22		5% ENGINEERING ADMINISTRATION[6]			5.00%	$0.00
23		**ITEM 1 TOTAL COST**				**$30,400.00**
24						

Notes:

1. Maintenance of Traffic was calculated on a percentage basis (1.5% fixed) of the construction cost of the City's items.
2. Construction Surveying and Layout was calculated on a percentage basis (1.0% fixed) of the construction cost of the City's items.
3. Contractor Quality Control was calculated on a percentage basis (1.0% fixed) of the construction cost of the City's items.
4. Mobilization was calculated on a percentage basis (10.0% fixed) of the construction cost of the City's items.
5. Construction Engineering and Administration is calculated at 14% of the City's construction cost.
6. Engineering Administration is calculated at 5% of the City design cost.
7. Design Costs for this Item are reflected in JPA 02-012.

EXHIBIT A
ITEM 2 IGA COST BACKUP

	Item No	Item Description	Unit	Quantity	Unit Price	Amount
1		**ITEM 2 - STEEL CASING FOR FUTURE RECLAIMED WATERLINE**				
2						
3		**ALMA SCHOOL ROAD (FUTURE RECLAIMED WATERLINE SLEEVE)**				
4	8090703	CASING (36") (BLACK STEEL)	L.FT	194	$200.00	$38,800.00
5						
6		**ARIZONA AVENUE (FUTURE RECLAIMED WATERLINE SLEEVE)**				
7	8090703	CASING (36") (BLACK STEEL)	L.FT	206	$200.00	$41,200.00
8						
9		**SUBTOTAL CONSTRUCTION COST (ITEM 2)**				**$80,000.00**
10						
11		MAINTENANCE OF TRAFFIC SHARE[1]	L.SUM	1	1.50%	$1,200.00
12		CONSTRUCTION SURVEYING AND LAYOUT SHARE[2]	L.SUM	1	1.00%	$800.00
13		CONTRACTOR QUALITY CONTROL SHARE[3]	L.SUM	1	1.00%	$800.00
14		MOBILIZATION SHARE[4]	L.SUM	1	10.00%	$8,000.00
15						
16		**SUBTOTAL CONSTRUCTION COST (ITEM 2)**				**$90,800.00**
17						
18						
19		14% CONSTRUCTION ENGINEERING AND ADMINISTRATION[5]			14.00%	$12,712.00
20		DESIGN ENGINEERING[7]				$0.00
21		5% ENGINEERING ADMINISTRATION[6]				$0.00
22		**ITEM 2 TOTAL COST**				**$103,512.00**
23						

Notes:

1. Maintenance of Traffic was calculated on a percentage basis (1.5% fixed) of the construction cost of the City's items.
2. Construction Surveying and Layout was calculated on a percentage basis (1.0% fixed) of the construction cost of the City's items.
3. Contractor Quality Control was calculated on a percentage basis (1.0% fixed) of the construction cost of the City's items.
4. Mobilization was calculated on a percentage basis (10.0% fixed) of the construction cost of the City's items.
5. Construction Engineering and Administration is calculated at 14% of the City's construction cost.
6. Engineering Administration is calculated at 5% of the City design cost.
7. Design Costs for this Item are reflected in JPA 02-012.

EXHIBIT A
ITEM 3 IGA COST BACKUP

	Item No	Item Description	Unit	Quantity	Unit Price	Amount
1		**ITEM 3 - TRAFFIC SIGNAL ITEMS**				
2						
3						
4						
5	7350551	OPTICOM PRE-EMPTION UNIT	EACH	3	$2,000.00	$6,000.00
6	7370421	ELECTRICAL SYSTEM (INSTALL INTERNALLY ILLUMINATED STREET SIGN)	EACH	11	$400.00	$4,400.00
7	7370422	ELECTRICAL SYSTEM ("AUTOSCOPE SOLO PRO" VIDEO CAMERA DETECTION SYSTEM	EACH	3	$33,000.00	$99,000.00
8		LOOP DETECTOR CREDIT[7]	L. SUM	1	($45,375.00)	($45,375.00)
9						
10		**SUBTOTAL CONSTRUCTION COST (ITEM 3)**				**$64,025.00**
11						
12		MAINTENANCE OF TRAFFIC SHARE[1]	L.SUM	1	1.50%	$960.00
13		CONSTRUCTION SURVEYING AND LAYOUT SHARE[2]	L.SUM	1	1.00%	$640.00
14		CONTRACTOR QUALITY CONTROL SHARE[3]	L.SUM	1	1.00%	$640.00
15		MOBILIZATION SHARE[4]	L.SUM	1	10.00%	$6,403.00
16						
17		**SUBTOTAL CONSTRUCTION COST (ITEM 3)**				**$72,668.00**
18						
19						
20		14% CONSTRUCTION ENGINEERING AND ADMINISTRATION[5]			14.00%	$10,174.00
21		DESIGN ENGINEERING			$1,200.00	$1,200.00
22		5% ENGINEERING ADMINISTRATION[6]			5.00%	$60.00
23		**ITEM 3 TOTAL COST**				**$84,102.00**
24						
25						

Notes:

1. Maintenance of Traffic was calculated on a percentage basis (1.5% fixed) of the construction cost of the City's items.
2. Construction Surveying and Layout was calculated on a percentage basis (1.0% fixed) of the construction cost of the City's items.
3. Contractor Quality Control was calculated on a percentage basis (1.0% fixed) of the construction cost of the City's items.
4. Mobilization was calculated on a percentage basis (10.0% fixed) of the construction cost of the City's items.
5. Construction Engineering and Administration is calculated at 14% of the City's construction cost.
6. Engineering Administration is calculated at 5% of the City design cost.
7. The video camera detection system replaced pavement loop detectors. COC will be credited a lump sum of $45,375.

EXHIBIT A
ITEM 4 IGA COST BACKUP

	Item No	Item Description	Unit	Quantity	Unit Price	Amount
1		**ITEM 4 - COMMUNICATIONS CONDUIT**				
2						
3						
4	7320291	ELECTRICAL CONDUIT (DOBSON RD 6-4")	L.FT.	934	$10.00	$9,340.00
5	7320300A	CONDUIT IN BRIDGE (DOBSON RD TI UP)	L. SUM	1	$10,000.00	$10,000.00
6	7320292	ELECTRICAL CONDUIT (ALMA SCHOOL RD 2-4")	L.FT.	680	$8.00	$5,440.00
7	7320301B	CONDUIT IN BRIDGE (ALMA SCHOOL RD TI UP)	L. SUM	1	$10,000.00	$10,000.00
8						
9	7320455	PULL BOXES (No. 9)	EACH	4	$1,800.00	$7,200.00
10						
11						
12		**SUBTOTAL CONSTRUCTION COST (ITEM 4)**				**$41,980.00**
13						
14		MAINTENANCE OF TRAFFIC SHARE[1]	L.SUM	1	1.50%	$630.00
15		CONSTRUCTION SURVEYING AND LAYOUT SHARE[2]	L.SUM	1	1.00%	$420.00
16		CONTRACTOR QUALITY CONTROL SHARE[3]	L.SUM	1	1.00%	$420.00
17		MOBILIZATION SHARE[4]	L.SUM	1	10.00%	$4,198.00
18						
19		**SUBTOTAL CONSTRUCTION COST (ITEM 4)**				**$47,648.00**
20						
21						
22		14% CONSTRUCTION ENGINEERING AND ADMINISTRATION[5]			14.00%	$6,671.00
23		DESIGN ENGINEERING[7]				$0.00
24		5% ENGINEERING ADMINISTRATION[6]			5.00%	$0.00
25		**ITEM 4 TOTAL COST**				**$54,319.00**
26						

Notes:

1. Maintenance of Traffic was calculated on a percentage basis (1.5% fixed) of the construction cost of the City's items.
2. Construction Surveying and Layout was calculated on a percentage basis (1.0% fixed) of the construction cost of the City's items.
3. Contractor Quality Control was calculated on a percentage basis (1.0% fixed) of the construction cost of the City's items.
4. Mobilization was calculated on a percentage basis (10.0% fixed) of the construction cost of the City's items.
5. Construction Engineering and Administration is calculated at 14% of the City's construction cost.
6. Engineering Administration is calculated at 5% of the City design cost.
7. Design Costs for this Item are reflected in JPA 02-012.

EXHIBIT A
ITEM 5 IGA COST BACKUP

	Item No	Item Description	Unit	Quantity	Unit Price	Amount
1		**ITEM 5 - ACCENT PAINTING & BRIDGE AESTHETICS**				
2						
3						
4	9240117	MISCELLANEOUS WORK (ACCENT PAINT STRUCTURES) (BRIDGE PARAPET, BARRIER AND PIERS, RETAINING WALL)	SQ.FT.	13,152	$2.50	$32,880.00
5	9240136	MISCELLANEOUS WORK (BRIDGE FENCE GRAPHICS)	EACH	8	$15,000.00	$120,000.00
6	9240145	MISCELLANEOUS WORK (PAINT BRIDGE FENCE)	L.FT.	1,382	$30.00	$41,460.00
7	9240146	MISCELLANEOUS WORK (PAINT BRIDGE RAILING)	L.FT.	1,016	$7.00	$7,112.00
8	9240168	MISCELLANEOUS WORK (PAINT 4' HIGH CHAIN LINK FENCE)	L.FT.	3,230	$3.50	$11,305.00
9	9240169	MISCELLANEOUS WORK (PAINT 6' HIGH CHAIN LINK FENCE)	L.FT.	1,107	$4.00	$4,428.00
10	9240171	MISCELLANEOUS WORK (PAINT 6' HIGH GATE)(OVER 13' TO 18' WIDE)	EACH	6	$175.00	$1,050.00
11						
12						
13						
14		**SUBTOTAL CONSTRUCTION COST (ITEM 5)**				**$218,235.00**
15						
16		MAINTENANCE OF TRAFFIC SHARE[1]	L.SUM	1	1.50%	$3,274.00
17		CONSTRUCTION SURVEYING AND LAYOUT SHARE[2]	L.SUM	1	1.00%	$2,182.00
18		CONTRACTOR QUALITY CONTROL SHARE[3]	L.SUM	1	1.00%	$2,182.00
19		MOBILIZATION SHARE[4]	L.SUM	1	10.00%	$21,824.00
20						
21		**SUBTOTAL CONSTRUCTION COST (ITEM 5)**				**$247,697.00**
22						
23						
24		14% CONSTRUCTION ENGINEERING AND ADMINISTRATION[5]			14.00%	$34,678.00
25		DESIGN ENGINEERING			$9,500.00	$9,500.00
26		5% ENGINEERING ADMINISTRATION[6]			5.00%	$475.00
27		**ITEM 5 TOTAL COST**				**$292,350.00**

24962

34683

Notes:

1. Maintenance of Traffic was calculated on a percentage basis (1.5% fixed) of the construction cost of the City's items.

2. Construction Surveying and Layout was calculated on a percentage basis (1.0% fixed) of the construction cost of the City's items.

3. Contractor Quality Control was calculated on a percentage basis (1.0% fixed) of the construction cost of the City's items.
4. Mobilization was calculated on a percentage basis (10.0% fixed) of the construction cost of the City's items.
5. Construction Engineering and Administration is calculated at 14% of the City's construction cost.
6. Engineering Administration is calculated at 5% of the City design cost.