GENERAL MEETING OF THE BOARD OF DIRECTORS OF THE CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY

RESOLUTION NO. 09-75

183A Phase II Project RTG Supplemental Work Authorization No. 3

WHEREAS, the Central Texas Regional Mobility Authority ("CTRMA") was created pursuant to the request of Travis and Williamson Counties and in accordance with provisions of the Transportation Code and the petition and approval process established in 43 Tex. Admin. Code § 26.01, et seq. (the "RMA Rules"); and

WHEREAS, the Board of Directors of the CTRMA has been constituted in accordance with the Transportation Code and the RMA Rules; and

WHEREAS, the first phase of the CTRMA's 183A Project was opened for use on March 3, 2007 with usage significantly above projections; and

WHEREAS, the design and construction of the 183A main lanes north from FM 1431 was anticipated to begin sometime after 2012; however, due to the success of the first phase of the 183A Project, it was determined that such efforts should be undertaken immediately regarding the extension of the main lanes from north of FM 1431 to north of RM 2243 (the "183A Phase II Project"); and

WHEREAS, in Resolution No. 08-50, dated August 27, 2008, the Board of Directors authorized the Executive Director and CTRMA staff to negotiate and enter into a Contract for Engineering Services with Rodriguez Transportation Group for design and engineering services related to the 183A Phase II Project (the "RTG Contract") and the RTG Contract was finalized and executed; and

WHEREAS, the Board of Directors has previously approved Supplemental Work Authorizations 1 and 2 to the RTG Contract by adoption of Resolutions No. 09-07 and 09-08, respectively, dated February 25, 2009, to address various expansions of the scope of work under the RTG Contract; and

WHEREAS, the CTRMA, in coordination with its engineering advisors, determined that it would be beneficial to have RTG perform additional engineering services regarding the relocation of the proposed CR 272/Crystal Falls Parkway exit ramp and the addition of a ramp toll gantry and the scope of such additional efforts are set forth in Supplemental Work Authorization No. 3 (Work Authorization No. 3) for the RTG Contract, substantially in the form set forth in <u>Attachment "A"</u> attached hereto and incorporated herein; and

WHEREAS, HNTB, as the CTRMA's General Engineering Consultant and the Project Manager for the 183A Phase II Project, has represented to the Board of Directors and CTRMA staff that the expansion of the scope of services reflected in Work Authorization No. 3 and the cost thereof are necessary and appropriate for the continued efficient and timely design and completion of the 183A Phase II Project.

NOW THEREFORE, BE IT RESOLVED, that the Board of Directors approves Work Authorization No. 3 under the RTG Contract in substantially the form attached hereto as <u>Attachment "A"</u> as it relates to the additional scope of services to be provided thereunder, provided that any work commenced under Work Authorization No. 3 be subject to the terms and conditions of the RTG Contract.

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 18th day of November, 2009.

Submitted and reviewed by:

Fom Nielson General Counsel for the Central Texas Regional Mobility Authority

Approved:

Ray A. Wilkerson Chairman, Board of Directors Resolution Number <u>09-75</u> Date Passed <u>11/18/09</u>

ATTACHMENT "A" TO RESOLUTION NO. 09-75 WORK AUTHORIZATION NO. 3 TO RTG CONTRACT

SUPPLEMENTAL WORK AUTHORIZATION NO. 03 TO WORK AUTHORIZATION NO. 01 CONTRACT FOR ENGINEERING SERVICES

THIS SUPPLEMENTAL WORK AUTHORIZATION is made pursuant to the terms and conditions of Article 4 of the Contract for Engineering Services (the Contract) entered into by and between the Central Texas Regional Mobility Authority (the Authority) and <u>Rodriguez</u> Transportation Group, Inc. (the Engineer) dated November 21, 2008.

The following terms and conditions of Work Authorization No. 01 are hereby amended as follows:

PART 1. The Engineer will perform additional engineering services generally described as revising the completed plan set as needed for the relocation of the proposed CR 272/Crystal Falls Parkway northbound exit ramp and the addition of a ramp toll gantry. This proposed ramp is being relocated from just north of the proposed Blockhouse Creek Bridge to just south of the bridge, a distance of approximately 1,900'. The added ramp toll gantry is along the ramp designated as "EXRNB6".

PART II. The maximum amount payable under this Lump Sum Work Authorization is increased by \$ 324,995.00 from \$ 5,157,503.00 to <u>\$ 5,482,498.00</u>. The additional costs are shown in Exhibit D, Fee Schedule, attached hereto.

Part IV. Consultant shall perform the Services and deliver the related Documents according to the following schedule:

Services under Supplemental Work Authorization No. 3 shall be substantially completed on or before November 2, 2009, in accordance with the Schedule Milestones as shown in EXHIBIT C.

This Supplemental Work Authorization shall become effective on the date of final execution of the parties hereto. All other terms and conditions of Work Authorization No. 01 not hereby amended are to remain in full force and effect.

IN WITNESS WHEREOF, this Supplemental Work Authorization No. 3 is executed in duplicate counterparts and hereby accepted and acknowledged below.

THE ENGINEER

(Signature)

Mark E. Rodriquez, P.E. (Printed Name)

President

(Title)

10-26-2009 (Date)

CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY

(Signature)

Mike Heiligenstein (Printed Name)

Executive Director (Title)

(Date)

Supplemental WA No. 03 to WA No. 01 1 of 1

EXHIBIT A

SERVICES TO BE PROVIDED BY THE AUTHORITY

The Authority shall perform and provide the following in a timely manner so as not to delay the Services to be provided by the Engineer:

- 1. Authorize the Engineer in writing to proceed.
- Render reviews, decisions and approvals as promptly as necessary to allow for the expeditious performance of the Services to be provided by the Engineer.
- Provide timely review and decisions in response to the Engineer's request for information and/or required submittals and deliverables, in order for the Engineer to maintain the agreed-upon work schedule.

Supplemental Work Authorization No. 3 To Work Authorization No. 1

EXHIBIT B

SERVICES TO BE PROVIDED BY THE ENGINEER

The Design Consultant Engineer, herein referred to as the "Engineer", shall be responsible for the work described in this Scope of Services.

The additional Scope of Work to be performed by the Engineer under this Supplemental Work Authorization is to provide the necessary engineering and technical services for the revisions to the completed Plans, Specification and Estimate (PS&E) package. The required revisions are summarized as follows:

- The completed PS&E package will require revisions as needed for the relocation of the proposed CR 272/Crystal Falls Parkway northbound exit ramp. This proposed ramp is being relocated from just north of the proposed Blockhouse Creek Bridge to just south of the bridge, a distance of approximately 1,900'. Plan sheets impacted by the proposed ramp relocation are within the following limits: From approximate 183A centerline Sta. 470+00 to Sta. 506+00.
- The completed PS&E package will require revisions as needed for the addition of a ramp toll gantry at the NB Exit Ramp designated as "EXRNB6". Plan sheets impacted by the addition of the ramp toll gantry are within the following limits: From approximate 183A centerline Sta. 470+00 to Sta. 506+00.
- The ramp toll gantry will be a cantilever design that will require special support details.
- Additional toll gantry details will be added to the completed PS&E package. These details will
 consist of four (4) wire way attachment details, a wire chase detail at each toll gantry column
 and details required for the VES Camera and AVI Antenna Support attachments.
- Three (3) additional Cedar Park Special Events Center Large Guide Signs will be included in the PS&E package.
- Several miscellaneous items include, but are not limited to: striping revisions to reflect thermoplastic contrast marking.
- Conversion of TCEQ calculations from one format to a recently revised format, at the request
 of TCEQ.

The services shall be performed according to the attached schedule in Exhibit C and shall include the tasks and products more fully described in the following Task Outline.

1.01 Design Features

The design progression for the elements associated with this Supplemental Work Authorization shall be as follows:

90% Design - Prepare 90% plans for the roadway, drainage, erosion control, bridge, striping, large guide signs, illumination, ITS, and ETC Sheets.

<u>Final Submittal</u> – The Final Submittal shall be signed and sealed by a Professional Engineer registered in the State of Texas and provided in hard copy, electronic, and *.pdf formats with all comments resolved. The added scope items as defined by this scope shall be incorporated into the original set of construction documents developed under the original contract to form a single set of construction documents.

- 1.05 Supplemental Surveying
 - A. Topographic Survey

The Engineer shall:

- Supplement existing topographic survey within the limits of the ramp relocation as follows:
 - Tie down critical points along the existing NBFR Bridge over Blockhouse Creek.
 - b. Tie down existing edge of pavement for a distance of approximately 500' upstream and 1500' downstream of the relocated ramp gore.

1.09 Roadway Design

A. Basic Plan Sheets

The Engineer will proceed with revisions to the basic plan sheets as further detailed below:

- Revise the detailed Index of Sheets that identifies each sheet location in the plan set, as well as its corresponding sheet number.
- Revise Project Layout Sheets, within the limits of the ramp relocation and the added ramp toll gantry, at a scale of 1"=200' that clearly indicates the limits of the entire project.
- B. Roadway Plans & Geometry

The Engineer shall proceed with the revision of the plan sheets impacted by the ramp relocation and the added ramp toll gantry, as further defined in Work Authorization No. 1 (Section 1.09, B, 1, 3, 4, 6, 7, 8, 9, and 10).

C. Grading and Details

The Engineer shall revise the Design Cross Sections, within the limits of the ramp relocation and the added ramp toll gantry, at 100-foot stations along the mainlanes, ramps, and frontage roads, and other locations as necessary for the determination of revised cut and fill quantities. Cross sections shall display proposed storm sewer and utility elements.

1.10 Drainage Design

The Engineer shall proceed with the revision of the plan sheets and other drainage documents impacted by the ramp relocation and the added ramp toll gantry, as further define in Work Authorization No. 1 (Section 1.10, C thru H).

G. Water Quality

It is anticipated that water quality computations for two (2) water quality ponds will require revisions as a result of the ramp relocation. The two (2) ponds are identified as follows:

- a. Sta. 488+00 (WQ Pond Badger)
- b. Sta. 495+50 (WQ Pond Bulldog)

The Engineer shall revise the pond layouts and details required for the two (2) water quality ponds impacted by the ramp relocation.

The Engineer shall prepare a revision to the TCEQ Contributing Zone Permit, reflecting the updated water quality design computations and revised construction plan sheets. It is assumed that this revision will occur after the original TCEQ CZP permit is approved.

In addition to the services described above, the Engineer shall convert the TECQ calculations to the recently adopted format.

1.11 Structural Design

The Engineer shall proceed with the development of the structural design associated with the widening of the NBFR bridge over Blockhouse Creek and revise the design of the NBML bridge over Blockhouse Creek, as further defined in Work Authorization No. 1 (Section 1.11). No structural analysis or condition survey will be performed on the NBFR bridge over Blockhouse Creek.

ength	Width	# of spans	Beam Type
900'	58'	8	Type IV
880'	53'	8	Type IV
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Bridge Limits Table for bridges impacted by the ramp relocation

1.12 Retaining Wall Design

The Engineer shall proceed with the revision of retaining walls impacted by the ramp relocation, as further defined in Work Authorization No. 1 (Section 1.12A)

Description	Approximate Location	Approximate Length	Туре
WALL 18A	Sta. 496+27	170'	MSE
WALL 18B	Sta. 496+27 to Sta. 498+52	225'	MSE
WALL 18C	Sta. 487+32	225'	MSE
WALL 19	Sta. 506+21 to Sta. 508+00	179'	SOIL NAIL

Retaining Wall Table for retaining walls impacted by the ramp relocation

1.13 Signing, Markings and Signalization

The Engineer shall proceed with the revision of the signing and marking design impacted by the ramp relocation and the added ramp toll gantry, as further defined in Work Authorization No. 1 (Section 1.13B, D and E)

In addition to the services described above, the Engineer shall revise the plan sheets to reflect the directives provided by the CTRMA/GEC. These directives are related to the proposed main lane striping (i.e. edge lines and lane lines).

Three (3) Large Guide Signs, proposed for the Cedar Park Special Events Center, shall also be incorporated into the PS&E package.

1.14 Traffic Control Plan (TCP)

The Engineer shall proceed with the revision of the TCP design impacted by the ramp relocation and the added ramp toll gantry, as further defined in Work Authorization No. 1 (Section 1.14A, B and C)

1.15 Intelligent Transportation Systems (ITS)

The Engineer shall proceed with the revision of the ITS design impacted by the ramp relocation and the added ramp toll gantry, as further defined in Work Authorization No. 1 (Section 1.15)

1.16 Illumination

The Engineer shall proceed with the revision of the Illumination design impacted by the ramp relocation and the added ramp toll gantry, as further defined in Work Authorization No. 1 (Section 1.16)

1.17 Toll Facility Design

The Engineer shall proceed with the development of the ETC design impacted by the addition of the ramp toll gantry. Specific design tasks are summarized below:

- Prepare details for attachment of four (4) wire ways to the Mainlane and Ramp Toll Gantry trusses
- Prepare details to accommodate a wire chase at each toll gantry column
- Prepared details required for the VES Camera and AVI Antenna Support attachments
- Prepared details required for the development of an additional ETC Layout (Ramp), ETC Detail (Ramp), and Overall and Partial Site Plans (Electrical)
- Prepare special structural details required for the addition of the cantilever ramp toll gantry.
- · Revise the Ramp Gantry Elevation Summary plan sheet

1.18 Miscellaneous

The Engineer shall proceed with the revision of Miscellaneous tasks impacted by the ramp relocation and the added ramp toll gantry, as further defined in Work Authorization No. 1 (Section 1.18).

C. Deliverables

The Engineer will submit twelve (12) 11" X 17" paper copies at the 90% Submittal. Final PS&E Submittal shall include twelve (12) 11" X 17" paper copies of the revised plan sheets in addition to the signed, sealed and dated 11" x 17" final mylar copy including all supporting documentation and paperwork.

1.19 Coordination, Meetings & Invoicing

The Engineer shall thoroughly review design plans, calculations and cost estimates associated with the requested revisions before submittal to the GEC or CTRMA.

EXHIBIT C

WORK SCHEDULE

The Engineer will perform engineering services described in Supplemental Work Authorization No. 3 and will submit deliverables to the Authority based on the following Work Schedule milestones:

Transmittal of completed 90% Design..... October 26, 2009 Transmittal of completed Final Submittal.....November 2, 2009 Central Texas Regio bility Authority Contract 0.24601E Suppl. . No. 3 183A Extension (RM 2243 South to FM 1431)

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SUB-TOTAL NUMBER OF SHEETS- SUB-TOTAL HOURS:	10	11			2			12	28			Column Total = 113 Row Total = 113
SUB-TOTAL LABOR COST	E	5 704		•	80 80			5 3,168 5	5 1,036			5 4,900
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RODRIGUEZ TRANSPORTATION GROUP, INC.

Contral Yexas Ragi Jiny Authority Contrac J401E Supp do. 3 193A Extension (RM 44-43 South to FM 4431)

				AND AND A				100000	1 48 2150			
TABK Hours Rate:	SHEETS	MANAGER 5 64.00	ENGINEER	45	- · ·	ENGINEER \$ 37.00	5 29.00	SPECIALIST		ENGR. TECH.	\$ 21,00	SUS TOTALS
and a short a second												Burn State and
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A. Outerclos & Summaries (MML and Feal)		10			4				24	9		30
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4. Proparo General Notes		-							-			2
5. Construction Code Extension		-							2			24
SUB-TOTAL NUMBER OF SHEETS	•								-			Column Total = 67
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TOTAL LABOR COST												5 79,350
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	Lodging					night	rights			\$1001	\$100.00 per right	
	Coplast											
	Media (mylar)	5				copies sheets	copies shoots			25	\$1.00 per copy	
	Nice Expenses: Expense dolvery	measu diverv				each	each			235.	\$35.00 per each	
	Roearch Material	Materials				1.000		_	_			
TOTAL DIRECT EXPENSES:	ä											
RTG ENGINEERING TOTAL COST												20,250

EXHBIT D - Camponizion RTG

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EXHBIT D • Compensation HDR HDR ENGINEERING INC.

			TOH	HDR ENGINEERING, INC.	RING, INC.							
TASK Pourly Raw	SHEETS	PROJECT MANAGER \$18.00	SPECIALIST	SENIDR STRUCTURAL ENGINEER \$61.50	SENIOR PROJECT ENCINEER \$54.00	PROJUCT ENGINEER of SR. LAND ARCH S47,00	ENGINEER 539.00	ETT \$26.00	SR. ENGR. TECH. or LAND ARCH \$38.00	ENGR. TECH.	CLERICAL \$20,00	SUB TOTALS
C. 4. Manufat Plan Astronom Random Carbonitations.	I			ľ	I	Î	ĺ				Í	
G.1 Modify Cen (1) Framing Ptan - 1 Units (intilation prostressod beam dottor)	-	-						0		4		14
H.1 ModW Stab Plan - Unk 1	-	-									Ī	H
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Central Texas Replication and Authority Contract 44601E Supp 46.3 46.3 48.3 48.4 1491

HDR ENGINEERING, INC.

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HDR ENGINEERING, INC.

CLERICAL 530,00 530,00	<u>8</u> 8	Column Total = 48 Row Total = 48	\$ • \$ 2,879	Column Tatul = 999 Row Tetal = 999	5 - 5 39,9
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ENGINEER			•	228	5 8.642
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Central Texas Rec Jublity Authority Contracti 24601E Supel o. 3 143A Extension PIM. . . Gouch to PM 1431)

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TAGK HOURY RURE	SHEETS	PROJECT MANAGER 5 ·	SENICR SPECIALIST	BRUGGE ENGWEER	PROJATCT ENGINEER 5 50.50	SENIOR ENGINEER \$ 44.50	ENGINEER 5 39.00	s Err 28.50	SR. ENGR. TECH. \$ 28.50	ENGR. TECH. \$ 20.00	CLERSCAL 5 19.50	SUB TOTALS	
1.82 GOVERNMENTAL AGENCY COORDINATION													1
A. Coontrigion 1. TeBoT + Leaviered													-
 City of Coder Park - 1 montries 													-
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													-
 Plot Impliquents 													-
SUB-TOTAL NUMBER OF SHEETS	10 4												-
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1.04 GEDTECHNICAL INVESTIGN													
A. Coordination													
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SUDAU AVIA I-BAR	i i												
													-
A. Coordination													17
SUB-TOTAL NUMBER OF SHEETS: SUB-TOTAL HOURS:	14 4 <u>6</u>												_
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SIGNATOR SUCCESSION SU	1												_
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1.07 UTRUTY COORDINATION AND DESIGN							A STATE OF						
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C. Depart changes due to unities.													-
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 B. other an interest direct mean lines and Problem and Main 													T
LINEGRAD CONTRACT CONTRACT ON CONTRACT ON THE DESCRIPTION OF THE OWNER OWNER OF THE OWNER													T
G. Roview with releasion plans for partners of conflicts													
H. Notify GEC of any utility confacts constring and/or brindnard)	-												T
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SUB-TOTAL NUMBER OF SHEETS:	181												-
SUB-TOTAL LAROR COST		ŀ											T
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A. Fordow 153A Extension Project Manual													ET.
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C. Review schematic for conformance with drakin criteria													П
D. Scrematic Retrieves													T
1. Hereards and Versical Refinements													T
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K FRIESE AND ASSOCIATES, INC.

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TASK Houry Rate:	SHEETS	PROJECT MANAGER	SPECIALIST 5	ENGINERS ENGINERS	SUNIOR PROJECT ENGARER 5 56.50	SENIOR ENGINEER	ENGINEER 5 36.00	5 20.50	SR. ENGR. TECH. 5 20.50	ENGR. TECH. \$ 20.00	CLEPICAL	SUB TOTALS
E. Protiminery Cost Entimate												
G. Allowed DCC												
SUB-TOTAL NUMBER OF SHEETS												
L-BUB				•	•	•		•	•	•		
A. Base Plan Seets (Coostinitary												
B. Robohway Plans & Golomotry 6. Rearee Ban and Profiling (58 Ramme Only)												
7. Rame Gere Lineuts (38 Range Orth) 6. Hortenta Aspriment Data Brence (Constitution)												
 Experiencements Data Bloost (construction) 11. Protection and Bloost Placets Energy Bloost (Construction) 												
SUB-TOTAL NUMBER OF SHERTS												
SUB-TOTAL HOURS: SUB-TOTAL LABOR COSTI		. 8						. 5				
1.16 DRAMAGE DESIGN A. Review Conception Dravinge & Water Cuality Avaiptues												
0. Drainage Impeat Study												
 Montaly Essayang Skystem and Cluttellis Determine Existing Fibero 												
 Evaluatio Proposed System and Outlatic Compute Proposed Flows. 												
 Determine Mediciogia Impacts Evolutate Results and Prepare Impact Analysis 												
7. Distormano Mitajuaton Akternosteros 8. Disvetego Distoration Regulatomentis (8 ponda)												
 Prepet Permitting Coordination Discrete Report Sequences 					-		2	0			4	61
C. Bridge and Cleven Plan Sheets												
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D Strom Dura												
 Another State of the State of t	-				6+104		8		e []	12		2.2
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 Propert Medicianonus Dramogo Dotal Shoeta Temporey Dramoge Facilitys 												
6. Trunch Protection Detorntwation												
E. Scour Analysis (4 stream consurga)												
F. Starm Water Publikan Prevention Ptan (2W3P)(Ceordination)												
G. Water Outling & Determine Reach												
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 B. F Repaired Basin Depails (1"=62) C. Water Cuality standard details 	~				e)			9	0			14
H. TCRC Constituting Zone Plan 1. Prenews Constituting Zone Plan												65
 Submetal modeling with GEC and TCEO Suprish modification to represent CZP 					**		12	13	þ		n	48

K FRIESE AND ASSOCIATES, INC.

Central Texas Roof Julity Authority Contract / 44601E Supph - 3 142A Extension PIM - 6 644h to FM 1431)

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TASK Hau	SHEETS	PROJECT MANAGER	SENIOR SPECIALLIST	ENGMERT	PROJECT EVGANEER 5 56.40	SENSOR ENGINEER	ENGINEER	5 28.50	SRLENGR. TECH.	ENGR, YECH.	CLERSCAL 5 19.50	SUB TOTALS
I. National Pleos Insumnos Program (NEPP) Ceontryleon (Preveloid by GLC)												
SUB-TOTAL NUMBER OF SHEETS.	20				22		8	09	8	24	12	Column Total = 242 Row Total = 242
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1.11 STRUCTURAL DESKON												
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BUR-TOTAL HOURS												
SUB-TOTAL LABOR COST			•			1						
1.12 RETARMING WALL DISIGN A. Rotwinny Wate Coordination					8		-		10			22
SUB-TOTAL NUMBER OF SHEETS.												Column Total = 22
SUB-TOTAL HOURS: SUB-TOTAL LABOR COST.					5 113		5 144	. 5	S 456			5 713
1,13 MISCRLLANEOUS A. Ouwting & Summan (SOL and Flout)												
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8 Chardrade Saveficebook and Estimator												
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 Supplemental Standard Opticals (Mobiled Standards) Propare Specifications and Provisions 												
 Propose General Notes Construction Carla Estimatio 												
	Ц											
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1,18 COORDINATION, MEETHOS & INVOICING A. Provid Winistrops (priserile 4 workshige)												
 Construction Manageria 												
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 Rovew Mostings and Centroper Responses (assume 4 mostings) 	1											9
E DAOC												
 OACC Pain Devolutionerit OACC Review Viewaring 												
F. Prevete Assettance to the GEC during the batiling process.												
Invector (textume 12 Immee ovales)					-						-	2
1. Pro-fiel Modeling												
 Pre-Construction Mediants 												
SUB-TOTAL NUMBER OF SHEETS: SUB-TOTAL HOURS:	19										+	Column Total = 50 Row Total = 10
SUB-TOTAL LABOR COST		•			605 S	•		•	•	•	5 20	\$ 528
STREAM TO ARRIVAL	5											
TOTAL HOURS:			_		2		_	3	_	_		Row Total = 2
LIGHT FURDER COST		2		- 10	1 2/1/1 2 -		- 2 1,600	10011 2	~			254/6

Central Toxas Ropi 2/RY Authority Contract # 4801E Suppor . .3 182A Extension (RM 2. . . outh to FM 14531)

SUB TOTALS	24,525 2,944	27,479	\$72.75	\$42.00	275.00	230	27,709
CLERICAL 5 19.50		5	er mila er night	\$0.20 per copy \$1.00 per sheet	\$25,00 per each	v	
ENGR, TECH, 5 26.00			\$0,49 per mila \$25,00 per night \$100.00 per night	\$0208	\$ 00'52\$		
SR. ENGR. TECH.							
EIT 211.50			Acr sys phis	pies totts	the set		
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SENIOR PROJECT ENGINEER							
SKNIOK BRIDGE ENGINEER S							
SPANOR SPECIALIST							
PROJECT MANAGER				- 6	oos: ooy ilortafa		
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K FRIESE AND ASSOCIATES, INC.

Central Touas Ropi Constact 9: 9801E Suppor 182A Extension (PM 22. Jointh to RM 1431)

			URAT JA	VOING & AS	GRAT JANSING & ASSUCIALES, INC.	inc.						
TABK Houry Raac	SHEETTS	PROJECT MANAGER	SPRCIALIST	SENIOR RRDGE BNGHÆER	SUNCHE PROJECT ENGAGER 5 200.00	SENIOR ENGINEER	6 NGINEER	Ert 100.00	SRLENGR TECH	ENGR. TECH.	CLEPBCAL 80.00	SUB TOTALS
1.62 GOVERNMENTAL AGENCY COORDINATION	Î											
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City of Lawder + 1 modilyps	Î											
4. Writtampon Contring = 1, mecohoga.	T											
SUB-TOTAL NUMBER OF BUB-TOTAL HOURS												
2-805	Ī											
 COROL, ROYER, and Excellent Units Red Invokupations 												
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SUB-TOTAL MUMBER OF SHEETSI												
SUB-TOTAL LABOR COST		• 5		• 5	. 5				• 5	. 5	. 5	
1,06 ROW MAPPING												
SUB-TOTAL NUBBLE OF BARETS: SUB-TOTAL HOURS: SUB-TOTAL HOURS:												
SUB-TOTAL LABOR COST.			•					•				
1.87 UTILITY COORDINATION AND DESIGN												
A. COORMSTON MISCINGS												
D. Buitratio existing and proposed usity locations on shored uso path plans												
F. Illutrook selding utily massings on shared use path profiles												
Review upity releasion plans for detarance of contects												
H. Natify GEC of any deliny conflicts (oxiding antifor proposat).												
STUB -LOTAL MANAGER OF SAME TO TAL MANAGER OF SAME TO TAL MANAGER												
SUE-TOTAL LABOR COST	ſ											
1, de Hortak, DESIGN AND DCC A. Roview 1934 Extenden Project Manual												
 Scherende Rationments Horizontal and waters extrements for charved use path. 												
3. Fanatio location of the shared uso pich												
 Coordinatin modifications with the GEC Asiley GEC of prey addisional Economic needs. 												
II. Preferency Cost Extension												
G. Attend DCC												
SUB-TOTAL NUMBER OF SHEETSI SUB-TOTAL HOURS: SUB-TOTAL HOURS:												

GRAY JANSING & ASSOCIATES, INC.

SUB-YOTAL LABOR COST:

P300 14

Central Texas Regi Nitty Authority Contract # 1501E Supplen 3 183A Extension (RM 22--- Jouch to RM 1431)

			GRAT JA	Noing & A	GRAT JANSING & ASSOCIATES, INC.	S, INC.						
TABK Houry Rate:	SHEETS	PROJECT MANAGER	SENIOR SPECIALIST	SEMOR BRIDGE ENGINEER	FINDLECT ENGINEER 5 200.00	SENIOR UNGNER S	ENGINEER 150.00	EIT \$ 100.00	SR. ENGR. TECH.	ENGR. TECH. 5 75.00	CLERBCAL	SUB TOTALS
1.49 ROAGWAY DESIGN A. Base Two Breets Cover a trans of Decembration) B. Rondway Plane & Goevery 1. Propared Typical Societies for Internet appr 9. Horizonet Adamment Data Decembration) 9. Horizonet Adamment Data Decembration												
TOTAL N												
SUB-FOTAL HOURS: 1.1:0 DRAINAGE DIERGM C. BIORD POIN BROK (CONDERSION)			. 5	. 5	. 5	. 5	. 5	. 3			•	
 Buom Drain Man Sheets (Coordealish) Draemay Control Plan Sheets (Coordealish) 												
G. Wittler Outlifty (Countinuiton)												
SUB-TOTAL NUMBER OF SHERTS. SUB-TOTAL NUMBER HOURS.												
1.11 STRUCTURAL DESIGN A. Continued												
SUB-TOTAL NUMBER OF SHEETS SUB-TOTAL NOURS: SUB-TOTAL LABOR COST:											ŀ	
1-13 BIOINING, MARKINGS AND BIOMALIZATION 8. Spelling and Panoment Manung Leyeule (or levend vido part)												
BUB-TOTAL NUMBER OF ENERGY SUP-TOTAL HOURS: SUP-TOTAL LARGE COST		ŀ										
(Final)											Ш	
Elisadorith, Equationations and Elomadon Constantion Elements Elisapprometary Elements Proprior Elements and Provisions Constantiation Costs Elements Constantiation Costs Elements												
SUB-FOTAL NUMBER OF SHEETS: SUB-FOTAL NOURS:												

GRAY JANSING & ASSOCIATES, INC.

AUR-TOTAL LABOR COST

183A Extension 0141

			GRAY J	ANSING & J	GRAY JANSING & ASSOCIATES, INC.	S, INC.						
TAGK Hourdy Race:	SHEETS	PROJECT MANAGER	SPECIALIST	BRDGE ENGINEER	SEAROR PROJECT ENGANEER \$ 200.00	ENGINEER	ENGINEER	5 \$00.00	SR. ENGR. TECH. \$ 110.00	ENGR. TRCH.	GLEFRICAL \$ \$0.00	SUB TOTALS
1.19 COORDINATION, MEETINGS & MNOICING A. Protectiveling discurse 2 weekhoord												
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 Reveal Medianal Antonia (Dispersion a maximum) Reveal Medianals and Comment Responded (Declands) 												
 GAOD 1. GAOD Plan Development 2. GAOD Review Wowenhous 												
 Provido Ansistance to en GEC during the bidding process. 												
Involuting (assume 12 minotes gyelos)												
1. Pro-Bit Meeting												
 Pro-Construction Meeting 												
SUB-TOTAL NUMBER OF SHEETS:	-											
SUB-TOTAL, HOURS	4											
									•			
TOTAL NUMBER OF SHEETS: TOTAL NUMBER OF SHEETS:												
TOTAL LABOR COST:	-	-	10	10	- 8 -			15	5			
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TOTAL LABOR COST												
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TOTAL DRECT EXPENSION												
GRAY JANSING ENGINEERING TOTAL COST	t											

EXHIBIT D + Compensation GRAY JANSING

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Central Texas Regi Contract r Supple 183A Extension (RM 24575 South to FM 1431)

			AC		FIELDS, LP	6						
TASK Houry Rate	SHEETS	PROJECT	SENIOR SPECIALIST	SENIOR BRIDGE ENGINEER \$61.00	SENIOR PROJECT ENGINEER	PROJECT ENGINEER \$45.00	ENGINEER \$39.50	EXT \$27.00	SR. ENGR. TECH. 536.00	ENGR. TECH. \$24.00	CLERICAL	SUB TOTALS
10 DRAINAGE DESIGN				-				_				
A, Rotaining Walls at Octorition Ponds 5, Badger Pond - Sta 488+00	4			4	-	12	20		20	52		116
2. Bulldog Pand - Sta 406+00	3			4		8	14		28	24		74
		-										
SUB-TOTAL NUMBER OF SHEETS SUB-TOTAL HOURS				8		20	34		52	76		Column Total = 190 Row Total = 190
SUB-TOTAL DIRECT SALARY COST	1	\$.	\$.	\$ 481	5 -	\$ 900	\$ 1,343	5 -	\$ 1,872	\$ 1,824	5 -	\$ 6,427
.11 STRUCTURAL DESIGN	-		a second s							4-4-4-4-4		
SUB-TOTAL NUMBER OF SHEETT SUB-TOTAL NOUR:												
SUB-TOTAL DIRECT SALARY COST	T1	5 -	5 -	\$ +	5 .	\$.	5 -	s .	5 -	5 -	\$ -	\$.
1.12 RETAINING WALL DESIGN A. Rotaning Walls (Non-MSE) 1. Rotaning Walls (Non-MSE)				-	-				-			
- Sol Nail Layour (20-scare)	3			7		12	20		24	24		87
SUB-TOTAL NUMBER OF SHEET				1			100		-	1		Column Total = 87
SUB-TOTAL HOUR				7		12	20		24	24		Row Total = 87
SUB-TOTAL DIRECT SALARY COS	n:	\$.	5 .	\$ 42	7 5 -	\$ 540	5 790	5 .	\$ 864	5 576	5 -	\$ 3,197
1.18 MISCELLANEOUS		1		-	-							
SUB-TOTAL NUMBER OF SHEET		1		1	1	-						
SUB-TOTAL DIRECT SALARY COS		5 .	15 -	13 .	15 .	15 .	15 .	15 .	15 .	15 -	5 .	15 .
1.19 COORDINATION, MEETINGS & INVOICING	100000000000				-	-		-		-		1
	-			_								
SUB-YOTAL NUMBER OF SHEET	6-1	1			_	-						
SUB-TOTAL HOUR												
SUB-TOTAL DIRECT SALARY COS	T:	5 .	5 -	5 .	5 .	5 -	5 .	5 -	5 .	5 -	5 .	5 .
TOTAL NUMBER OF SHEET			4.0									Column Total = 277
TOTAL HOUR				15		32	54		76	100		Rew Total = 277
DIRECT SALARY CO. OVERHE			• 5	- 5 91	5 5	 \$ 1,640 	\$ 2,133	15	 \$ 2,734 	\$ 2,400	5	- 5 9,624
DIRECT SALARY PLUS OVERHEJ PROF	ND.											25,98
TOTAL LABOR CO	5T											\$ 29,10
DIRECT EXPENSE	S: Travel: Micage Par diam							miles days			9 por milo 0 por day	
	Lodging Copies:							nights		\$100.0	0 por night	
	Reproducti Media (my	lari lar)						copies shoets		\$0.2 \$1.0	0 per capy 0 per sheat	
	Misc Expe Express de	inses: stvary						oach		\$25.0	10 por each	
TOTAL DIRECT EXPENSE	6-1				and the second second	_				1		5 .
AGUIRRE & FILLDS ENGINEERING YOTAL CO	-											\$ 29,10

AGUIRRE & FIELDS, LP

Central Toxas Reg biblity Authority Contract 24601E Supp Io. 3 193A Extension (RM South to FM 1431)

			HUGGINS/	SEILER & J	ASSOCIATE	S, LP						
TAGK	SHEETS	PROJEC	SENSOR	SENIOR BRIOGE ENGINEER	PROJECT	~5	ENGIN	La	SR. ENGR. TECH.	ENGR. TECH.	CLERIC	
PROMITY FRANCE			3 e0.00		20105	42.00	100'WE 4	00'06 \$	24,00	28.00	10'00' t	STATOT BUS
1.82 GOVERNMENTAL AGENCY COORDINATION												
A. Construction 1. TrGOT +1 membrings												
SUM-TOTAL MUMBER OF SUCCES											Í	
SUB-TOTAL MOURS												
-ans												
1.63 DATA COLLECTION R. Fleet investmentions												
SUB-TOTAL NUMBER OF SHEETS:											ĺ	
SUB-TOTAL HOURS:	14						1					
1.00 INTAL DEBOH AND DCC												
Contraction and the second sec												
SUB-TOTAL NUMBER OF SHERTS	22.2											
SUB-TOTAL HOUSE						ļ						
P. Storm Water Polition Prevention Plans (SW3P)												
1. Ension and Solimont Central Plans	0		10		4			24				5
3. Evolve plan (holds) 5. Evolve and Solimont Center												
SUB-TOTAL NUMBER OF SMEETSI SUB-TOTAL HOURS:	0		10		4			24				Row Total = 38
SUB-TOTAL LABOR COST	E		5 460		5 184		• 5	5 864			. 5	5 1,508
1.14 MISCELLANGOUS												
Table 1 Total No. (N. S.												
B. Steedway, Geodifications and Estimates												
2. Supplemental Standard Details												
3. Proper Speakations and Previations												
4. Proparto General Notes 5. Construction Costs Estimate												
SUB-TOTAL NUMBER OF SHEETS												
SUB-POTAL LABOR COST	14											
A. Project Workshops (acoumo 2 workshops)												
A. More and the second second												
 Contraction Montrage w/ Gill/GADO (passime 1 montrage) 												
Internal Cesed. Medings (assume 4 medings)												
D. Reven Meeting Comment Responses												
E. GAOC												
1. OAOC Plan Development												
AND												
Involuting (assume 6 involutin cycling)												

HUGGINS/SEILER & ASSOCIATES, LP

SUB-TOTAL NUMBER OF SHEETS:

Page NB

Central Texas Reg. billity Authority Contract 6 48012 Supplot 3 182A Extension (RM 22...outh to PM 1431)

TASK Houry Rate: SHEETS ANNAGER	-	S4040R								
CONTRACT FOR THE ACCURATE ACCU	CT SEMICR BR SPECIMUIST - 5 48.00	ENGINEER	PROJECT ENGINEER	SENIOR ENGINEER \$ 42.00	ENGINEER	s 85.00 \$		SR. ENGR. TRCH. ENGR. TECH. 34.00 5 25.00	CLERICAL \$ 15,00	SUB TOTALS
		Ī								
SUB-TOTAL LABOR COST: 5	•	•			•		•		•	
TOTAL MANAGER OF SHEETS: 5 TOTAL HOURS:	10		4			24				Rew Total = 38
TOTAL LABOR COSTI 5	- 5 460 \$	*	5 184 5			5 154 5		-		- 5 1,508
DIRECT SALARY PLUS OVERHEAD PRECT SALARY PLUS OVERHEAD PROFT 12.005										2,262 3,770 4,52
TOTAL LABOR COST										\$ 4,222
						miles days sights		\$0.40 \$25.00 \$100.00	\$0.48 por mile \$25.00 por mile \$100.00 por night	
 Constraint Reproduction Meetin (myour) 						copies sheets		50,20 51,00	\$0.20 per copy \$1.00 per sheet	
Mise Expenses: Express defrery Prevourch Materials						aach		\$25.00	\$25.00 per esch	
TOTAL DIRECT EXPENSES:										
HSA ENGINEERING TOTAL COST										\$ 4,222

HUGGINS/SEILER & ASSOCIATES, LP

bility Authority 4001E Central Texas Rog Contract (Supplex, 193A Extension PRM 23...

th to FM 1431)

TABK Hourty Fare:	STITU	PROJECT MANAGER	SENIOR SPECIALIST	SIGNOR BRUCCE ENGINEER	SLNIOH PROJECT ENGINEER \$ 62.00	SENIOR SENIOR ENCINEER	ENGINEER	5 Err 25.00	SR. ENGR. TECH.	ENGR. TECH.	CLERBCAL 5 22.00	SUB TOTALS
22 GOVERHMENTAL AGENCY COORDAIATION												
SUB-TOTAL NUMBER OF SHEETSI SUB-TOTAL HOURS												
SUB-TOTAL LABOR COST							•					
A DATA COLLECTION A. Collect, Review and Evaluate Data for Supplemental Project Anna						0						9
 Field threatennons - Conduct Existing Sam Invensory 												
BUB-TOTAL NUMBER OF SHEETS-												Column Total = 6
SUB-T				. 2		5 150		S 84			ŀ	Row Total = 6
1.06 NUTAL DESIGN AND DCC												
SUB-TOTAL NUMBER OF INERTS:												
SUB-TOTAL HOURS:												
								. 5				
1,13 SMALL SIGNING, PAVIMENT MAINWOS & DELINEATORS												
An Provide Provide Statistics (Second Statistics)												
B. Signing and Parement Manuru Leyouth												
 Mantanoul*inetiage Houds (34a 342+00 - 300+00) Mantanet/inetiage Houst / Add meet additor 	-						01	te st	2	đi		20
 Maniange/Ramps toke ogge fing revealors (and revealor) - 	50				16		74	24	1			4
point to reveal; back to paint, 4" to 9"												
Proti pone, quantitiere, note to show all arrighting under separate contract	20				.0		e	24	30			3
C. Smott Nyn Dritais	~					4	9					18
SUB-POTAL NUMBER OF SHEETSE	40				1							Column Total = 252
BUB-TUTAL HOUSE BUB-TUTAL HOUSE					29	_	1	Ĩ	1	-		Row Total = 262
1					1		2 1,764	5 2,464	5 3,192	202 \$		5 10,015
A. Outstaties and Summary Sheets (90% and Finol)	2					4	4	0	-			24
 Stantant Societan and Education 												
1. Organize Scandards.												
 Supplemental Standard Dietais (nene accumed) Process Specifications and Providents 								-				
4. Proparo General Notes								N			14	4
 Construction Contribution (Proteins), & Finist Submitting) 					2			8			4	10
SUB-TOTAL NUMBER OF SHEETS:	24											Column Total = 49
SUB-TOTAL HOURS						4		13	8		7	Row Total = 49
SUB-TOTAL LABOR COST	-			•	5 186	\$ 200	5 336	\$ \$32	5 304	. 5	5 154	5 1,712
1.19 COORDIMATION, MEETINGS & INVOIDING												
 Coordmaken Mettings Destah Coord, Medtings w/ KTG (tassume 1 meesins) 					4							
2. Internal Coanti. Meetings (pistume 1 meetings)					9	4					*	14
D. Review Meetives Common Recentrate												
								0			*	13
 DA/OC Plan Development (Pro-frait (trait submittakt) 						1						
We have a second of the second of		1						ł				

URS CORPORATION, INC

Contrait Towas Raci, Silisy Authority Contract (1901)E Supples 3 182A Extension (RM 22-- aouth to FM 1431)

6

			020	NORLON (URS CORPORATION, INC.								
salah Yizar	SHELTS	PROJECT MANAGER	SPECIALIST	SUNDE BRIDGE ENGMER	SENIOR PROJECT EVGINEER 5 62.00	SENUOR ENGINEER	ENGMERS \$ 42.00	s 28.00	SR. ENGR. TRON. 5 38.00	ENGR. TECH.	CLERICAL \$ 22.00	sue ToTALS	
2. OAOO Review VIDASIODS							I						-
													-
G. Impicing (assume 6 impico cycling)					CN.						9	11	
													-
SUB-TOTAL NUMBER OF SHEETS. SUB-TOTAL HOURS:					52	-		16			15	Column Total = 64 Row Total = 64	
SUB-POTAL LABOR COST					1,550	\$ 400		5 448			5 330	5 2.728	-
A PHADE SERVICES													-
A. Constitution													-
TOTAL HOURS:	22				57	25	80	120	50	6	a	Row Total = 181	_
TOTAL LABOR COST					5 2,534	\$ 1,250	5 2,100	5 3,528	5 3,496	\$ 297	5 484	5 14,609	-
DIVERSION OF ANY	12.00%											25,278 28,907 4,769	
TOTAL, LABOR COST												\$ 41,695	
CONDICT EXPENDEDS: Travet: Access Por 40 Longing	S: Travet: Mileago Per diom Lodging						22	75 mileos days nights		\$0,49 \$25.00 \$100.00	\$0.49 per mile \$255.00 per mile \$100.00 per right	oroes	- 2
	Copletti Reproduction Media (my/ur)	= 5					88	dd copies 62 sheets		50.00	\$0.20 per copy \$1.00 per shoet	\$10.00	00
	Misc Expenses: Express dolvery Research Materials	News News Caloritals						4010		00 525	\$25.00 por each		_
TOTAL DIRECT EXPENSION	-											117	E.
LOPEZGARCIA GROUP ENGINEERING TOTAL COST	ST											5 44.813	-
													1

Contral Texas Rop Mathority Contract In 9001E Septide 3 192A Extension (RM 224- Journ to PM 1421)

TASK Houry Rate:	SHEET'S	PROJECT MANAGER	SPECIALIST 5	BRIDGE BRIDGE ENGINEER	SEMICIR PROJECT EVOLVECT 5 52,00	SENIOR ENGINEER	ENGINEER	5 ETT 29.00	SR. ENGR. TECH.	ENGR. TECH.	CLERICAL 31.00	SUB TOTALS
1.02 GOVERNMENTAL AGENCY COORDINATION												
1. (x001 - 2 motional												
 City of Codde Park + 1 meetings City of Londor + 1 meetings 												
SUR-TOTAL NUMBER OF SHEETS:								T				
SUB-TOTAL HOURS												
1 of harts could approve the second costs	C			•			•			•		
A. Reveward frame Data					~							0
 First Investigations 					2			2		2		0
SUB-FOTAL NUMBER OF SHEETS.												Column Total # 12
SUG-TOTAL LABOR COST					5 208			5 174		5 52		5 434
1.87. UTILITY COORDINATION AND DESIGN A. Contribution Meedings - 2 meetings												
SUB-TOTAL NUMBER OF SHEETS: SUB-TOTAL HOURS.												
508-7					. 5				ŀ			
1.06 M/T/AL DESIGN AND DCC												
A. RONOW 183A Salaringin Project Monute												
R., Prokrimary Cost Estimation												
G. Allera DCC												
SUB-TOTAL NUMBER OF SHEETS												
SUB-TOTAL HOURS:								l				
1.13 SIGNING, MARKINGS AND BICHAL ZATION											•	
G. Traife Standa Baos												
1, Constant diagram												
2. PLDN LPYDUK EPOORS 3. Micros for relaw lawurk												
4. Phase approve diagrams												
5. Constitution details shops 6. Markana details (vorie)												
7. Electrical and ITS												
H. Traffic Stenal General Notes and Estimates												
II												
SUB-TOTAL NUMBER OF SHEETS: SUB-TOTAL HOURS:	3 8											
SUB-TOTAL LABOR COSTI	E		• 5	• •								
A INVELTORIAT TRANSPORTATION SYSTEMS												
 Insergent Vehicle Highway Systems Design Layout Shoets & XS 	•						12	10		R		23
G. Adjust ITS Trunkine Algoment Data sheet	~				-		2	5		2		4
STIRING OF STORE OF S												Column Tolal = 81
THE TOTAL RUCK					C 263		20 4 40%	24		e 22		Row Total = 81
										a 014		4'894'
A. Overposit/Anderposis Lepterg Layouts												

RJ RIVERA ASSOCIATES, INC.

Scricey Uptris

-thy Authority 4601E 0.3 ... South to P.M 14313

			RJ RIV	ERA ASSC	RJ RIVERA ASSOCIATES, INC.	C.						
TASK Howy Rate:	SHEETS	PROJECT MANAGER	SPECIALIST	BRIDGE BRIDGE BRIDGE BRIDGE	SHNIOR PROJECT ENGINEER	SENSOR ENGWEER 5 40.00	5 AGINEER 46.00	\$ EIT 29.00	SR. ENGR. TECH.	ENGR. TECH. 5 25.00	5 CLERSCAL	SUB TOTALS
 Lighting calculations design & exhibit 											T	12
2. Plan layout sheets	0				-			10		20		32
D. Pawer Spurce Identication					-		-	-				* "
SUB-TOTAL KUMBER OF SHEETS: SUB-TOTAL HOURS: SUB-TOTAL HOURS:	0				13		4	8		20		Column Total = 54 Row Total = 54
SUB-TOTAL LABOR COST		• •		•	4 676	•	5 46		•	5 520		\$ 1,822
1.17 TOLL FACILITY DEBIGN A., Costification												
SUB-TOTAL NUMBER OF SHEETTS: SUB-TOTAL HOURS:												
5-BUB		•								. 5		
1.13 MISCELLANE DUB A. Ouentine & Sumerate (80% and First)								9		0		16
Grandweit, Specifications and Estimates Concern Structures												
2. Buggements Sandard Details												
Review Epoclications and Provisions A Review Connect Name					N							2
5. Review/Adrust Construction Costs Estimate								-				
SUB-TOTAL MUMBER OF SHEETG								3				Column Total = 29
Sub-TOTAL HOURS					2			11		•		Row Total = 29
SUB-TOTAL LABOR COST	-				3 624			5 319		150		1,099
1.19 CODRUMATION, NEEDINGS & EVOIGING A. Project Workshops (Assume 2 workshops)												
 Plane and and loss. M fit and loss is 												
 Design Coord, Modelings of GEC&SDC (assume 1 meetings). 					2							2
Internal Coeffit. Meetings (Intsume 0 meetings).												
D. Roykow Mojorrys and Comment Respondes (assump 1 monimps)					2							2
E. DAIDG												
1, QAOC Plun Development					e							9
2. QMOC Revenue Workshop					N	~						4
Involunt (one additional involtor cycles)					2							0
SUB-TOTAL NUMBER OF SHEETS:												Column Totol = 20
SUB-TOTAL HOURS					11						•	Row Total = 20
					210 2	-					5 32	5 894
A. Coordination												
SUB-TOTAL NUMBER OF SHEETS.												
SUB-TOTAL HOURS												
SUB-TOTAL LABOR COST:	E		. 5		. 5	. 8		•		. 5	. 5	. 5
TOTAL NUMBER OF SHEETS	14											
TOTAL HOURS					40		27	19		8	4	Row Total = 1
TOTAL LABOR COST	100 100				2548	230	1242	1769		1300	92	101.7 2.101
DIRECT SALARY PLUS OVERHEAD												12,128
PROPERTY AND PROPERTY AND PROPERTY	105721											
And a second												120'12 4

EXHBIT D - Compensation RJ RIVERA

DIRECT EXPENSES: Travet

	Y \$10.80 06		5	C7L H2 3
\$0.40 per mile \$25.00 per day \$100.00 per rign	\$0.20 per cam \$2.00 per shor	\$25.60 per cae!		
milion dayns nights	copics shorts	eactr		
00	52	ĝα.		
	0.00	ons: cory loriado		
Milange Por diom Lodging	Ceptes: Reproduction Modia (mylar)	Misc Expens Express defin Recearch Ma		
			TOTAL DIRECT EXPENSES:	RJR ENGINEERING TOTAL COST
		Milliange Pereken Londelilen Capital Reproduction Model (mylor) 18 loneics 13.00 per repri	no meter table indplus 11 dates 11 dates 1 doort 1 doort	Millionge Millionge Lodging Copilers Copilers Reportuction Million Exponents Buseus dependency Recover Malaricida

RJ RIVERA ASSOCIATES, INC.

10/20/2009

Cartini Tassa Ray Matharity Centinet i 4001E Bugoi v 3 103A Extension (Elev. Jandh Io PM 1431)

5 . BUB TOTALS ADDITIONAL . GPS FELD PERSON • RTK PELD CREW S166.00 • CLIFFICAL 3 MAN CREW \$44,00 \$143,00 PRESEARCH \$11.00 Per Day Survey TECH Strioo SURVEY SURVEY TECH SII 00 Days FIELD COORDINATOR GPS PROCESSIF \$77,00 SM,00 INLAND GEODETICS 2 . 2 . S109,601 PROJECT MANAGESt \$120.00 . . Traffle Control: Arreshourd Wilse Expanses TV4CMINA -SHEETS TOTAL NUMBER OF SHIELTS: TOTAL HOUMS: TOTAL LABOR COST: TOTAL DRECT COST. INLAND GEODETICS TOTAL COST! Hourty Fame: a. Provide toxing speki, tearwork represention in two larrers, transmit bu-trin Elsh. 2014-000 to 2014-000 b. Provide topographic survey and PDM point informations at Revolute Dirth, Internationi for 2010 foot discrete survey and PDM point information. In Dir 2014 neuroscitant bir 2010 foot discrete survey and PDM point information. In Dir 2014 neuroscitant bir 2010 foot discrete survey and PDM point information. In Dir 2014 neuroscitant bir foot and an endorul Dirth Pariship points at the neurol III transfer forming related in the Manual Direct and the neuropation and the 2014. Principle Sevil survive Information for more abeliances of MB and non-previn at PM 145-Previous Implementary Information for CM 254, Ioung a 2007 wate make survey law 1002 and ML 0.0 143A. DARCT EXPENSES TASK LOS SUPPLEMENTAL SUPPLEMENT 1. Review and Varity Control 2. Supportentia surveys C. Topographic Gurvey B. Preed Carley 40

			FUG	FUGRO CONSULTANTS, INC.	ILTANTS, I	NC.							
TASK Hourly Raws	SHEETS	PROJECT PRINCIPAL \$58.50	SENIOR PROJECT MANAGER \$49.25	SENIOR PAVEMENT ENGINEER \$49.37	PROJECT ENGINEER \$37.50	PROJECT GEOLOGIST \$29.25	LAB MANAGER 541,00	GRADUATE ENCINEER \$26.40	SR ENG TECH	TECHNICIAN	CLERICAL CLERICAL	at 17 annual at 10	
1. Fed Procent AVESTIGATION A. Fed Procent											neore	STVIDI and	
11. Artime													Π
405/2101 18													Π
C. Retarking Walls													Π
D. Paetmont Design Review													T
E. Greekstwicki Ropert													Π
P. Dotverboos													Π
G. Meetings and Communications													Π
H. Micontaroopis Structures													Π
													Г
TOTAL NUMBER OF SHEETS: YOTAL MUMBER OF SHEETS:													Π
TOTAL LABOR COST													-
OVERHEAD DIRECT SALARY PLUS OVERHEAD	r					•	•	•	. 5	. 5		5	ŀ
1502 NORVT TV101	100.01										1000 million (1000 million)	Contraction of the	
												5	ŀ
EXPENded:	1. Soll Borl 1.1.1 1.2 1.3.1	ngs Matilization/Domobilization Additional Water Truck with Driver Polition over Commission	Iblication Tuck with Driver				Quantity	an i si da	Rate				
	2222	Standard Penetration Tests TxDOT Cene Penetration Tests Risck Centry Traffic Centry, Dozor Work, Clo	Tabort de monorment Statorta Presentan Test Tabort Cene Penetratian Yestu Table Central, Dozar Wenk, Cloaning Bruch and Trocs &r Cerli Rig Access Traffe Central, Dozar Wenk, Cloaning Bruch and Trocs &r Cerli Rig Access	Bruch and Trocs 1	or Drill Rig Access			u fore u s	2 # R R # R			1 45 45 45 45 45	
		Plugging Boreholes - Rononko Plugging Boreholes - Concrete (Boreholes - Bononto Boreholes - Concrete (Grout)	4				==					
	2. Laborator 2.1 2.2	Laboratory Investigation 2.1 Molsture Contents 2.2 Attorneed Lee Contents						600				7 63	
		Sleve Analysis Detormination of D50	00					666				e se se	
	4 4 4 4 4 2 8 3	Unconfined Compression Tess TxDOT Compaction Consolidation Yests	Uncertifined Compression Total TXDOT Compaction Consolication Yests					666	****			un un un u	
	5	Conservation - Uni	mod Triaxial Comp	nossion				each				a w	
	3. Tochnical 4.1	3. Technical Services 4.1 Report Reproduction Services	on Services					,	AND YELD			14	
								E					ŝ

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TOTAL DIRECT COST: FUGRO TOTAL COST: EXHIBIT D + Compensation FUGRD