

**SECOND AMENDMENT TO
ENGINEERING DESIGN SERVICES AGREEMENT WITH ORTH-
RODGERS FOR ITS COMMUNICATIONS INFRASTRUCTURE**

THIS SECOND AMENDMENT made and entered into as of the _____ day of _____, 2010, by and between the CITY OF LAS VEGAS, a municipal corporation of the State of Nevada (herein the "CITY") and ORTH-RODGERS & ASSOCIATES, INC. (herein the "CONSULTANT")

WITNESSETH

WHEREAS, the CITY and the CONSULTANT have entered into an Engineering Design Services Agreement dated January 19, 2005 and Amended November 10, 2005 (herein the "AGREEMENT"), retaining the services of the CONSULTANT for the design of the ITS Communications Infrastructure Project (herein the "PROJECT"), and

WHEREAS, the CITY desires to modify the scope of that AGREEMENT to include additional engineering services related to the design of the Rancho Drive Corridor II - ITS Infrastructure including new digital messaging signs, radar count stations, traffic signal cabinet upgrades, video equipment, right-of-way and utility certification assistance required due to federal funding for construction, additional survey and utility potholing, coordination with utilities, Clark County, City of North Las Vegas and Nevada Department of Transportation (NDOT), preparation of additional NDOT encroachment permits (7), and other related services not included in the original or amended scope of the PROJECT.

NOW, THEREFORE, the parties hereto agree that the following changes shall be made to the AGREEMENT:

1. Section Seven, Compensation and Terms of Payment, Paragraph 7.01 of the AGREEMENT is hereby amended to change the amount set aside as referenced therein from \$626,305 to \$741,530.41.
2. Section Seven, Compensation and Terms of Payment, Paragraph 7.02 of the AGREEMENT is hereby amended to change the amount referenced therein for Basic Services of the CONSULTANT from \$477,652 to \$569,561.04. Paragraph 7.03 of the AGREEMENT is hereby amended to change the not to exceed amount referenced therein for Additional Services of the CONSULTANT from \$148,653 to \$171,969.37.
3. Insert new Exhibit A-02, Scope of Work; Exhibit C-02, Manpower Task Breakdown; Exhibit D-02, Cost Derivation; and Exhibit G, Disclosure of Principals; all as attached hereto.

IN WITNESS WHEREOF, the parties have caused this SECOND AMENDMENT to the original AGREEMENT for the ITS Communications Infrastructure project to be executed the day and year first above written.

CITY OF LAS VEGAS

By _____
KATHLEEN C. RAINEY
Manager, Purchasing and Contracts

ATTEST:

BEVERLY K. BRIDGES, MMC
City Clerk

APPROVED AS TO FORM:

John S. Ridilla 8/27/10
Deputy City Attorney Date

John S. Ridilla
Deputy City Attorney

ORTH-RODGERS & ASSOCIATES

By _____
RICHARD T. ROMER, P.E., P.T.O.E.
Principal
"CONSULTANT"

EXHIBIT 'A'
SCOPE OF ADDITIONAL SERVICES

CITY OF LAS VEGAS INTELLIGENT TRANSPORTATION SYSTEMS INFRASTRUCTURE PROJECT
RANCHO DRIVE CORRIDOR

BACKGROUND

On January 19, 2005 Orth-Rodgers & Assoc., Inc. (ORA) entered into an agreement with the City of Las Vegas to provide engineering design services, preparation of Contract Drawings, Special Provisions and Cost Estimates for the Rancho Drive Corridor from Sahara Avenue to Rainbow Boulevard. A detailed Scope of Services for the Project is included in the Engineering Design Services Agreement.

This Scope of Additional Services outlines additional work directed to be performed by the City that is necessary to successfully complete the project.

BASIC SERVICES

Engineering Services to be provided under the terms of the Agreement shall be performed in conformance with the following policies and design criteria: City of Las Vegas *Policy and Procedures for Design of Public Works Projects*, Clark County *Uniform Standard Specifications* and *Uniform Standard Drawings and Freeway and Arterial System of Transportation (FAST) standards*.

100 PRELIMINARY AND GENERAL ITEMS

110 Progress Meetings / Design Charette / Final Review: Consultant shall schedule and prepare an agenda for a final review meeting. The final review meeting will be held in the City's offices unless otherwise specified by the City. Consultant shall prepare and distribute minutes of this meeting to all attendees.

- Deliverable: Final review meeting minutes

115 Utility/Agency/Project Coordination and Utility Search: During the length of this contract, the Consultant shall coordinate with the various utilities to obtain updated as-built information, notify of conflicts and relocations and provide adequate notice of impacts on proposed facilities. Consultant will obtain updated as-built information from each affected subsurface utility owner. Consultant shall provide preliminary drawings to the utilities for their use in marking the locations of their facilities. Consultant shall also coordinate, provide and obtain information regarding current and proposed improvement projects adjacent to or within the project limits.

In addition, the Consultant will coordinate with Nevada Department of Transportation (NDOT), Regional Transportation Commission of Southern Nevada (RTC), regarding encroachment permit issues and bus operations, which will affect the working conditions and requirements. The Consultant will also coordinate with the City's Traffic Division and Fire Department for minimum through-lane requirements. Consultant will also coordinate with any other consultants and entities that may have or be working on other Intelligent Transportation System (ITS) projects that could impact this project.

Additional CADD and design effort needed to coordinate with utility agencies and add this information to the plans than originally estimated. One additional submittal to utilities with pre-final. Additional coordination efforts with the agencies are anticipated based on initial submittals.

Physical potholing of underground facilities is not included, unless provided for in Exhibit "B" "Additional Services".

- Deliverable: Consultant shall provide the City with copies of all correspondence related to these activities

120 Project Administration: The Consultant will prepare monthly invoices, along with a monthly status report describing the work accomplished and percentage of work completed for each task.

- Deliverable: Consultant shall provide monthly invoices for the prior month, along with the narrative progress report

125 Quality Assurance/Quality Control: Utilizing appropriately qualified senior staff, the Consultant will conduct quality control reviews and check each work product for consistency, clarity, bidability and constructability, as applicable, prior to submittal to the City for the pre-final and final design submittals.

200 PRELIMINARY DESIGN

205 Background Information Collection: The consultant shall obtain updated existing signal and signal interconnect plans for the Rancho Drive Corridor identified above. The Consultant will also obtain any plans for proposed signals within the project limits. It is anticipated that up to 23 signalized intersections exist or are proposed.

210 Right-of-Way Coordination: The Consultant shall coordinate with the City in determining the limits of the public right-of-way along the project alignments. The Consultant shall collect the latest existing right-of-way information from the City, County, and NDOT for use in evaluating the area available to place any missing signal coordination conduits and pull boxes. The Consultant shall update the right-of-way information with data obtained from the Clark County GIS Management Office. The scope does not include obtaining title reports or preparing legal descriptions when right-of-way is required, but may be provided in Exhibit "B" "Additional Services".

GISMO process was changed since this scope was submitted. This task required significant additional effort to incorporate GISMO information into the CAD environment than was required with the older GISMO process. Additional CAD and engineering effort required.

215 Engineering Field Reconnaissance: Utilizing the plans obtained in 205 above and plans prepared previously during this project and with the assistance of the City of Las Vegas Traffic Division and FAST, the consultant will physically "walk" the project alignments and make a cursory review of the existing interconnect infrastructure to determine what can be used or needs to be replaced to allow for an upgrade of the signal interconnect to a fiber optic backbone and to identify any changes that have taken place since the project was put on hold.

Since this scope was submitted, we anticipate additional field time will be required based on our experience with the 1A project and the time already spent in the field.

220 Aerial Mapping: The Consultant shall update the aerial .TIFF files and associated .TFW files provided by the City of Las Vegas to serve as the base map for the project. The City of Las Vegas shall also provide center lines, right-of-way lines, lot lines and easement lines in layered Arch Info format to include in the plans. The Consultant shall update the existing right-of-way lines, utilities, and traffic signal appurtenances, signal coordination conduit and pull boxes.

GISMO process was changed since this scope was submitted. This task required significant additional effort to incorporate aerial images and alignment information into the CAD environment than was required with the older GISMO process. Additional CAD and engineering effort required than originally estimated.

- 225 Design Criteria and Construction Requirements: The Consultant will coordinate with the City of Las Vegas, FAST, and RTC to update the design criteria for the replacement of existing unacceptable conduit and pull boxes due to size or condition.

300 PRE-FINAL DESIGN AND CONSTRUCTION DOCUMENTS

The consultant shall proceed, for the Rancho Drive Corridor, with design and preparation of the construction documents, observing City standards and the criteria set forth during preliminary design. The Consultant shall submit construction plans including, but not limited to, plan sheets showing location of right-of-way, utilities, existing traffic signal appurtenances, coordination conduits and pull boxes, locations requiring replacement of conduit or pull boxes, locations requiring the replacement of signal controller cabinets, and the locations of new devices (CCTV, dynamic message signs and radar permanent count stations), and construction details, all for City review and approval. The format, text, organization, structure, and style shall be as directed by the City. A sample set of Special Provisions will be provided to the Consultant. Separate plan sheets shall be prepared as noted in the task elements below. A plan set shall be developed for each corridor separately, and shall be done in the priority order as set forth by the City.

- 305 Cover Sheet, General Note Sheet: Consultant will update the Cover Sheet and General Note sheet. Both will be prepared in City format for each corridor.

- 310 Interconnect Plans: Plan sheets shall be updated to a near complete state for the purposes of defining the locations of construction work to be performed along the defined corridor. Plan sheets will include left and right roadway alignments with match lines.

Additional effort will be required than originally estimated to revise previous design to current CLV standards of presentation and design. Additional effort was required to modify CDCA notes from the 1A project. The new controller cabinets required additional effort. Review and analysis of CLV provided conduit mapping against the current plans required more effort than anticipated.

- 320 Design Details: Design details, addressing conduit installation, pull box replacement, splice pull box installation/replacement, signal controller cabinet replacement, CCTV installation and communication connection, dynamic message signs and communication connection, radar permanent count station installation and communication connection, signal controller cabinet communication connection, and fiber splicing diagrams shall be updated to a near complete state. (Note: 8 CCTV, 3 Perm. Cnt. Station, 5 DMS, 28 Splices)

Additional effort will be required than originally estimated to revise previous design to current CLV standards of presentation and design. Additional effort will be required for future reviews and associated plan revisions by FAST.

- 325 Reproduce Pre-Final Plans and Walk-through: Consultant shall provide the City with ten (10) copies of 11" x 17" half size plans to be used for a field review for the Rancho Drive Corridor. The Consultant shall schedule a cursory walk-through of the project with the CLV Project Manager. An inventory of all items of work shown on the plans will be verified and compared to field conditions. The Consultant will note any changes or adjustments to the plans as needed to fit field conditions.

- 330 Quantity Tabulation Sheet: Show bid quantities on a single summary sheet for the Rancho Drive Corridor. Quantities for each sheet are not included unless provided for in Exhibit "B" "Additional Services".

- 335 Draft Specifications: Draft Specifications shall be updated consisting of the Special Provisions modifying the Clark County Area Standard Specifications published by the Regional Transportation Commission. The specifications shall address any bid item required for the construction of the improvements shown on

the plans for the Rancho Drive Corridor. The City of Las Vegas/FAST will provide to the consultant specifications for all new devices (CCTV, dynamic message signs, signal controller cabinets and radar permanent count stations) including specifications for any integration that be required.

- 340 Updated Cost Estimate: An updated cost estimate will be provided with the Pre-Final submittal for the defined corridor.

ORA performed an initial update to the cost estimate at the beginning of the project that needs to be added to this scope.

350 Pre-Final Plan Submittal

- Deliverable: Ten (10) copies of 11" x 17" half size plans, bound specifications, cost estimate, and quantity tabulation pages by plan sheet shall be submitted to the City for the Rancho Drive corridor. The Engineer's estimate will also be submitted as a Microsoft Excel Work Sheet electronic file. Copies of the plans shall be submitted to the utilities.

Additional effort will be required than originally estimated to complete utility coordination based on experience in 1A. More time will be needed just to physically get the signatures than originally estimated.

500 **FINAL DESIGN AND CONSTRUCTION DOCUMENTS**

- 505 Finalize Design and Construction Documents: Finalize plans, specifications, and bid documents by incorporating comments received from the Pre-Final submittal for the Rancho Drive Corridor. The Consultant shall coordinate and obtain all utility signatures required on the Cover Sheet and elsewhere in the plans as required, and submit copies of final plan sheets to utility companies as required by the Utility Companies to obtain final signatures. The Consultant shall provide utility certification support.

- 510 NDOT Encroachment Permit: The Consultant shall apply and obtain NDOT encroachment permits including extensions, as applicable for the Rancho Drive Corridor.

This task will require more effort than originally estimated based on further coordination with the CLV and based on previous NDOT encroachment permit efforts on CIA. It is anticipated there will be 7 permit packages to submit. Current NDOT permit submittal requirements are asking for ten (10) copies of each package. Our original estimate was for 8 copies of each package.

Upon Agency approval, submit final mylars and documents to the City as noted:

- Deliverables: One (1) set of sealed original mylars, unbound sealed specifications and cost estimate to the City for the Rancho Drive Corridor. Electronic copies of both the plans (AutoCAD 2000 format) and specifications (Microsoft Word format) shall be provided to the City for the defined corridor. The Engineer's estimate will also be submitted as a Microsoft Excel Work Sheet electronic file. One copy of the plans shall be provided to each affected utility. Acquire utility signatures as required for the plan title sheet. Also, four (4) copies of full size blue-lines and special provisions, and one (1) set of half-size plans shall be submitted to the City. NDOT encroachment permit application and exhibits shall also be provided for the Rancho Drive Corridor.

600 **BID SERVICES**

- 615 The Consultant shall attend the pre-bid conference for the Rancho Drive Corridor project.

- 620 The Consultant shall attend the Pre-construction conference for the Rancho Drive Corridor project.

900 **SUPPLEMENTAL SERVICES**

- 905 Addenda - During the bid process, the Consultant shall assist the City with the preparation of contract addenda. The Consultant shall provide addenda at no cost to the City if it is the result of "errors", "omissions" or the plans or specifications requiring clarifications. Addenda items requested by the City due to design changes at no fault of the Consultant will be covered under Exhibit "B" "Additional Services". Services to be provided for the Rancho Drive Corridor.

As-Builts/Redlines - The Consultant shall provide the City with a marked up set of plans indicating the as-built locations of all conduit, pull boxes, and ITS devices (CCTV, dynamic message signs, permanent count stations, and system detectors).

- 910 Answer Bidder's Questions - As directed by the City, the Consultant shall answer bidder's questions. All answers shall be submitted directly to the City in writing for the Rancho Drive Corridor project. The Consultant shall not provide any response, either verbally or in writing, to any other interested party.

- Deliverables: One (1) set of sealed original mylars that have been redlined to reflect as built locations of the interconnect conduit, pull boxes, and ITS devices including the ITS devices for the Rancho Drive Corridor. An electronic copy of the plans (AutoCAD 2000 format) shall also be provided for the defined corridor.

- 930 Consultant will coordinate potholing and surveying efforts and provide graphics showing the locations of each required pothole location determined during the utility review.

It is estimated we will need ten (10) potholes for the Rancho Drive Corridor project. We are including survey to pick-up the pothole locations. The proposal has been adjusted for this change both in surveying and ORA's required services.

EXHIBIT 'B'
SUPPLEMENTAL SERVICES
Rancho Drive Corridor ITS Upgrade Project

The following services are to be performed only when authorized in writing by the City.

Task	Description of Supplemental Services
905	<i>Addenda and As-Builts/Redlines</i>
910	<i>Answer Bidder's Questions</i>
930	Potholing: Obtaining utility pothole information for subsurface utilities. Cost basis \$1,200 per hole. Surveying: Obtain survey information to pick-up the pothole locations. Cost basis \$550 per pothole location.

Project Delay: If, through no fault of the Consultant, the project is delayed beyond the Final Submittal date in Exhibit "E", the billing rates provided in Exhibit "D" will be adjusted based on the Consumer Price Index published by the U.S. Government. The period of time used to adjust the billing rates will be the time from the revised Notice to Proceed to the Final Submittal date in Exhibit "E". The value used for the Consumer Price Index will be annual rates for each year and pro rated for partial years. If the project is delayed as a result of the Consultant's actions, the Final Submittal date shown in Exhibit "E" will be extended the same amount of time as the Consultant caused delay.

TASK	DESCRIPTION	Principal / Project Manager	Assistant Project Manager	Senior Project Engineer	Assistant Project Engineer	Designer / CADD Operator	Clerical/ Traffic Tech	HOURS SUBTOTAL
100	PRELIMINARY AND GENERAL ITEMS							
105	Kickoff Meeting							0
110	Progress Meetings / Design Charette / Final Review	8		8	8		4	28
115	Utility/Agency/Project Coordination and Utility Search	0		4	4	60		68
120	Project Administration	8					8	16
125	Quality Assurance/Quality Control	12			12			24
Task Totals		28	0	12	24	60	12	136
200	PRELIMINARY DESIGN							
205	Background Information Collection				4			4
210	Right-of-Way Coordination	2			12	60		74
215	Engineering Field Reconnaissance	2			32	32		66
220	Aerial Mapping	2			16	60		78
225	Design Criteria and Construction Requirements	1		4	4			9
230	Draft Preliminary Design and Cost Estimate							0
255	Final Preliminary Design and Cost Estimate							0
Task Totals		7	0	4	68	152	0	231
300	PRE-FINAL DESIGN AND CONSTRUCTION DOCUMENTS							
CORRIDOR 2	Rancho Drive (Assumes 23 signals and 8.7 miles)							
	305 Cover Sheet, General Note Sheet				1	2		3
	310 Interconnect Plans	5			40	80		125
	320 Design Details (8 CCTV, 3 Perm. Cnt. Station, 5 DMS, 28 Splices)	2		4	16	32		54
	325 Reproduce Pre-Final Plan Sets and Conduct Walk-through	13			14	16		43
	330 Quantity Tabulation Sheet			8	4	36		48
	335 Draft Specifications	2		12	4	32		50
	340 Updated Cost Estimate	1		8	12	24		45
	350 Pre-Final Plan Submittal to CLV and Utilities	1			8	24	8	41
Subtotals-Rancho Drive:		24	0	32	99	246	8	409
Task Totals		24	0	32	99	246	8	409
500	FINAL DESIGN AND CONSTRUCTION DOCUMENTS							
COR 2	505 Finalize Design, Construction Documents, Certification Support	2		8	4	35	8	57
	510 NDOT Encroachment and Clark County Permits	7		16	48	120	24	215
Subtotals-Rancho Drive:		9	0	24	52	155	32	272
Task Totals		9	0	24	52	155	32	272
600	BID SERVICES							
COR 2	615 Attend Pre-bid Conference			1	1			2
	620 Attend Pre-construction Conference			1	1			2
Subtotals-Rancho Drive:		0	0	2	2	0	0	4
Task Totals		0	0	2	2	0	0	4
900	SUPPLEMENTAL SERVICES, IF NEEDED							
COR 2	905 Addenda	1			2	4		7
	910 Answer bidder's questions in writing - as directed	4			4			8
Subtotals-Rancho Drive:		5	0	0	6	4	0	15
Task Subtotals		5	0	0	6	4	0	15
COR 2	905 As Built Redlines	1			8	34		43
	Subtotals-Rancho Drive:	1	0	0	8	34	0	43
Task Subtotals		1	0	0	8	34	0	43
	920 Right-of-Way Coordination (as-needed legal descriptions)							0
	925 Additional Design Services							0
	930 Potholing (10 @ \$1,200 per pothole) (Assume 10 potholes)			2		4		6
	930 Surveying (10 @ \$550 per pothole) (Assume 10 potholes)			1		4		5
	940 Construction Support							0
	950 Construction Visits							0
955 Request for Information (RFI)								0
Task Subtotals		0	0	3	0	8	0	11
GRAND TOTALS		74	0	77	259	659	52	1121

TASK	DESCRIPTION	Principal / Project Manager	Assistant Project Manager	Senior Project Engineer	Assistant Project Engineer	CADD Designer / Operator	Clerical / Traffic	Person-hour Totals	Direct Expenses	Total Task Amounts
CORRIDOR 2										
100 PRELIMINARY AND GENERAL ITEMS										
105	Kickoff Meeting	\$	\$		\$	\$	\$	\$	\$	\$
110	Progress Meetings / Design Charrette / Final Review	\$ 1,843.44		\$ 1,291.28	\$ 645.60	\$	\$	\$ 3,769.68	\$	\$ 3,769.68
115	Utility/Agency/Project Coordination and Utility Search	\$		\$ 645.64	\$ 322.80	\$ 3,673.60	\$	\$ 4,842.04	\$	\$ 4,842.04
120	Project Administration	\$ 1,643.44					\$ 378.72	\$ 2,022.16	\$ 20.00	\$ 2,042.16
125	Quality Assurance/Quality Control	\$ 2,465.16			\$ 968.40	\$	\$	\$ 3,433.56	\$ 177.00	\$ 3,610.56
	Task Subtotal	\$ 6,792.04	\$	\$ 3,936.32	\$ 1,936.80	\$ 3,673.60	\$ 588.00	\$ 14,082.44	\$ 187.00	\$ 14,269.44
200 PRELIMINARY DESIGN										
205	Background Information Collection	\$	\$	\$	\$ 322.80	\$	\$	\$ 322.80	\$	\$ 322.80
210	Right-of-Way Coordination	\$ 410.86		\$	\$ 968.40	\$ 3,673.60	\$	\$ 5,252.86	\$	\$ 5,252.86
215	Engineering Field Reconnaissance	\$ 410.86		\$	\$ 2,562.40	\$ 2,065.92	\$	\$ 5,059.18	\$	\$ 5,059.18
220	Aerial Mapping	\$ 2,870.59		\$ 645.64	\$ 1,291.20	\$ 3,673.60	\$	\$ 5,763.66	\$	\$ 5,763.66
225	Design Colling and Construction Requirements	\$ 205.43		\$ 645.64	\$ 322.80	\$	\$	\$ 1,173.87	\$	\$ 1,173.87
230	Draft Preliminary Design and Cost Estimate	\$	\$	\$	\$	\$	\$	\$	\$	\$
235	Draft Preliminary Design and Cost Estimate	\$	\$	\$	\$	\$	\$	\$	\$	\$
240	Final Preliminary Design and Cost Estimate	\$ 1,843.44		\$ 645.64	\$ 322.80	\$	\$	\$ 1,173.87	\$	\$ 1,173.87
	Task Subtotal	\$ 11,843.00	\$	\$ 3,936.32	\$ 5,488.80	\$ 3,673.60	\$ 588.00	\$ 17,346.97	\$	\$ 17,346.97
300 30% DESIGN AND CONSTRUCTION DOCUMENTS										
Rancho Drive (Assumes 22 signals and 8.7 miles)										
305	Cover Sheet, General Note Sheet	\$	\$	\$	\$ 80.70	\$	\$	\$ 209.02	\$	\$ 209.02
310	Interconnect Plans	\$ 1,027.15		\$ 1,291.28	\$ 3,228.00	\$ 5,164.80	\$	\$ 9,419.95	\$	\$ 9,419.95
320	Design Details (6 CCTV, 4 System Det Perm, Cntl. Station)	\$ 410.86		\$ 645.64	\$ 1,291.20	\$ 2,065.92	\$	\$ 4,413.62	\$	\$ 4,413.62
325	Draft 90% Plans and Walk-through	\$ 2,670.59		\$ 645.64	\$ 1,291.20	\$ 1,032.96	\$	\$ 4,833.35	\$	\$ 4,833.35
330	Quantity Tabulation Sheet	\$	\$	\$ 1,291.28	\$ 322.80	\$ 2,324.16	\$	\$ 3,938.24	\$	\$ 3,938.24
335	Draft Specifications	\$ 410.86		\$ 1,836.92	\$ 322.80	\$ 2,065.92	\$	\$ 4,736.50	\$	\$ 4,736.50
340	Updated Cost Estimate	\$ 205.43		\$ 1,291.28	\$ 968.40	\$ 1,549.44	\$	\$ 4,014.55	\$	\$ 4,014.55
350	90% Submittal	\$ 205.43		\$	\$ 645.60	\$ 1,549.44	\$	\$ 2,778.18	\$ 245.00	\$ 3,024.18
	Subtotal-Rancho Drive	\$ 4,930.32	\$	\$ 5,165.12	\$ 7,989.30	\$ 15,981.76	\$ 378.72	\$ 34,345.22	\$ 333.00	\$ 34,678.22
	Task Subtotal	\$ 4,930.32	\$	\$ 5,165.12	\$ 7,989.30	\$ 15,981.76	\$ 378.72	\$ 34,345.22	\$ 333.00	\$ 34,678.22
COR 2 FINAL DESIGN AND CONSTRUCTION DOCUMENTS										
505	Finalize Design and Construction Documents	\$ 410.86		\$ 1,291.28	\$ 322.80	\$ 2,259.60	\$ 378.72	\$ 4,663.26	\$ 324.00	\$ 4,987.26
510	NDOT Encroachment Permit	\$ 1,438.01		\$ 2,952.56	\$ 3,873.60	\$ 1,747.20	\$ 1,135.16	\$ 16,777.53	\$ 3,333.00	\$ 20,110.53
	Subtotal-Rancho Drive	\$ 1,848.87	\$	\$ 3,873.84	\$ 4,196.40	\$ 10,006.80	\$ 1,514.88	\$ 21,440.79	\$ 3,657.00	\$ 25,097.79
	Task Subtotal	\$ 1,848.87	\$	\$ 3,873.84	\$ 4,196.40	\$ 10,006.80	\$ 1,514.88	\$ 21,440.79	\$ 3,657.00	\$ 25,097.79
COR 2 BID SERVICES										
615	Attend Pre-bid Conference	\$	\$	\$ 161.41	\$ 80.70	\$	\$	\$ 242.11	\$	\$ 242.11
620	Attend Pre-construction Conference	\$	\$	\$ 161.41	\$ 80.70	\$	\$	\$ 242.11	\$	\$ 242.11
	Subtotal-Rancho Drive	\$	\$	\$ 322.82	\$ 161.40	\$	\$	\$ 484.22	\$	\$ 484.22
	Task Subtotal	\$	\$	\$ 322.82	\$ 161.40	\$	\$	\$ 484.22	\$	\$ 484.22
COR 2 SUPPLEMENTAL SERVICES - FINISHED										
905	Attend	\$ 205.43		\$	\$ 161.40	\$ 258.24	\$	\$ 625.07	\$	\$ 625.07
910	Answer bidder's questions in writing - as directed	\$ 821.72	\$	\$	\$	\$ 1,144.52	\$	\$ 1,144.52	\$	\$ 1,144.52
	Subtotal-Rancho Drive	\$ 1,027.15	\$	\$	\$ 484.20	\$ 258.24	\$	\$ 1,768.59	\$	\$ 1,768.59
	Task Subtotal	\$ 1,027.15	\$	\$	\$ 484.20	\$ 258.24	\$	\$ 1,768.59	\$	\$ 1,768.59
COR 2 As Built Reelings										
905	As Built Reelings	\$ 205.43	\$	\$	\$ 645.60	\$ 2,195.04	\$	\$ 3,046.07	\$	\$ 3,046.07
	Subtotal-Rancho Drive	\$ 205.43	\$	\$	\$ 645.60	\$ 2,195.04	\$	\$ 3,046.07	\$	\$ 3,046.07
	Task Subtotal	\$ 205.43	\$	\$	\$ 645.60	\$ 2,195.04	\$	\$ 3,046.07	\$	\$ 3,046.07
COR 2 Right-of-Way Coordination (as-needed legal descriptions)										
925	Additional Design Services	\$	\$	\$	\$	\$	\$	\$	\$	\$
930	Polishing (10 @ \$1200 each)	\$	\$	\$ 322.82	\$ 258.24	\$ 258.24	\$	\$ 581.06	\$ 12,000.00	\$ 12,581.06
940	Surveying (10 @ \$550 each)	\$	\$	\$ 161.41	\$ 258.24	\$ 258.24	\$	\$ 419.65	\$ 5,600.00	\$ 5,919.65
945	Construction Support	\$	\$	\$	\$	\$	\$	\$	\$	\$
950	Construction Visits	\$	\$	\$	\$	\$	\$	\$	\$	\$
955	Request for Information (RFI)	\$	\$	\$	\$	\$	\$	\$	\$	\$
	Task Subtotal	\$ 1,225.15	\$	\$ 484.23	\$ 1,129.80	\$ 516.48	\$	\$ 17,000.21	\$ 17,500.00	\$ 19,500.21
	TOTAL ADDITIONAL SERVICES	\$ 1,225.15	\$	\$ 484.23	\$ 1,129.80	\$ 516.48	\$	\$ 17,516.97	\$ 17,500.00	\$ 19,516.97
BASIC SERVICES TOTAL \$ 91,909.04										
ADDITIONAL SERVICES TOTAL \$ 23,316.37										
GRAND TOTAL \$ 115,225.41										

BASIC SERVICES TOTAL	\$	91,909.04
ADDITIONAL SERVICES TOTAL	\$	23,315.37
GRAND TOTAL	\$	115,225.41