RESOLUTION NO. 75-24 CITY OF CENTERVILLE, OHIO

SPONSORED BY COUNCILMEMBER Belinda Kenley ON THE DAY OF August, 2024.

A RESOLUTION AUTHORIZING THE CITY MANAGER TO ENTER INTO A SERVICE AGREEMENT WITH TEC ENGINEERING, INC. FOR IMPROVEMENTS TO CLYO ROAD FOR THE DIMCO WAY PROJECTS.

WHEREAS, the City of Centerville intends to design the widening of Clyo Road, a hiker-biker path on Clyo Road, storm sewer, and curb improvements to Clyo Road, and improvement for the overall intersection at Dimco Way and Clyo Road (the "Project"); and

WHEREAS, the City was previously awarded grant funds from the Federal Congestion Mitigation and Air Quality (CMAQ) for the Project; and

WHEREAS, the Project requires professional design, engineering and construction services; and

WHEREAS, TEC Engineering, Inc. has those qualifications to provide those services for the Project and has demonstrated ability to assist in accomplishing the objectives of the City; and

WHEREAS, has unique knowledge of such work and has the demonstrated ability to assist in accomplishing the objectives of the City.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF CENTERVILLE, MONTGOMERY COUNTY, OHIO, AS FOLLOWS:

<u>Section 1.</u> The City Council hereby agrees to enter into a Services Agreement with TEC Engineering, Inc. for the Project; and hereby authorizes the City Manager to execute the Service Agreement attached hereto as Exhibit "A" and incorporated herein on behalf of the City of Centerville.

<u>Section 2.</u> This Resolution shall be in full force and effect at the earliest date allowed by law.

PASSED THIS 12th day of Angust, 2024.	
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Mayor of the City of Centerville, Ohio	_

ATTEST:

Clerk of Council

City of Centerville, Ohio

CERTIFICATE

The undersigned, Clerk of Council of the City of Centerville, Ohio, hereby certifies the foregoing to be a true and correct copy of Resolution No. 75-24, passed by the Council of the City of Centerville, Ohio on the day of August, 2024.

Clerk of the Council

Approved as to form, consistency with existing ordinances, the charter & constitutional provisions Department of Law Scott A. Liberman Municipal Attorney

Exhibit "A"

SERVICE AGREEMENT

WITNESSETH:

WHEREAS, the City and the Consultant mutually desire to contract with each other to perform the services for this project, which include the Scope of Work attached hereto and hereinafter referred to as Exhibit "A"; and

WHEREAS, the Consultant is uniquely qualified, experienced and willing to perform said Work, when there is an Agreement specifying the rights and duties of each party; and

WHEREAS, the City and the Consultant mutually desire to perform the obligation embodied in Exhibit "A."

NOW, THEREFORE, for and in consideration of the mutual promises, covenants and agreements hereinafter set forth, the parties to this Agreement, with intent to be legally bound, agree as follows:

ARTICLE ONE: SCOPE OF WORK

The Consultant agrees to perform the services embodied in the Scope of Work attached hereto and hereinafter referred to as "Exhibit A." Said Exhibit A is incorporated by reference as written hereinafter in full.

ARTICLE TWO: SCHEDULE OF PAYMENTS

To compensate the Consultant for services rendered in accordance with the terms embodied in the Compensation for Professional Services attached hereto and hereinafter referred to as "Exhibit A," the City agrees to pay the Consultant an amount not to exceed \$799,674. Said Exhibit "A" is incorporated by reference as if written hereinafter in full.

ARTICLE THREE: TERM

The Term of this Agreement shall be from date of last execution by all parties, the date upon which the Agreement is authorized and awarding this Agreement, whichever event occurs last, and shall terminate on December 31, 2028 (the "Term"). The parties agree that any additional periods for which the Work is undertaken shall be subject to competitive bidding and that this Agreement in no way may be extended beyond the Term.

ARTICLE FOUR: CONFLICT OF INTEREST

This Agreement in no way precludes, prevents, or restricts the Consultant from obtaining and working under an additional contractual arrangement(s) with other parties aside from the City, assuming that such other contractual work in no way impedes the Consultant's ability to

perform the services required under this Agreement. The Consultant hereby represents warrants

and agrees that at the time of entering into this Agreement, it has no interest in nor shall it

acquire any interest, direct or indirect, in any agreement which will impede its ability to perform

the required services under this Agreement.

ARTICLE FIVE: ASSIGNMENTS

The parties expressly agree that this Agreement shall not be assigned by the Consultant

without the prior written approval of the City, which approval may be withheld in the sole

discretion of the City.

ARTICLE SIX: GOVERNING LAW

This Agreement and any modifications, amendments, or alterations, shall be governed,

construed, and enforced under the laws of the State of Ohio.

ARTICLE SEVEN: INTEGRATION AND MODIFICATION

This instrument embodies the entire agreement of the parties. There are no promises,

terms, conditions or obligations other than those contained herein; and this Agreement shall

supersede all previous communications, representations or agreements, either written or oral,

between the parties to this Agreement. Also, this Agreement shall not be modified in any manner

except by an instrument, in writing, executed by the parties to this Agreement.

ARTICLE EIGHT: SEVERABILITY

If any term or provision of this Agreement or the application thereof to any entity, person or circumstance shall, to any extent be held invalid or unenforceable, the remainder of this Agreement, or the application of such term or provision to entities, persons or circumstances other than those as to which it is held invalid or unenforceable, shall not be affected thereby and each remaining term and provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

ARTICLE NINE: TERMINATION

This Agreement may be terminated by either party only upon notice, in writing, upon the other party no later than at least sixty (60) days in advance of the effective date of the termination. The City may also terminate this Agreement in the event that the City is of the opinion that the Consultant is carrying out the terms of this Agreement in an unreasonable, unprofessional, or unworkmanlike manner. Said termination for this particular reason shall occur upon the provision of a written notice of termination to the Consultant at least thirty (30) calendar days in advance of the date of the proposed termination, stating in the termination notice the reason for said termination. The City, in its sole discretion, may allow the Consultant to cure the reason for the termination provided the cure of the reason is accomplished within thirty (30) days of the date of the forwarding of the termination notice. The parties further agree that should the Consultant become unable for any reason to complete the work called for by virtue of this Agreement, that to the extent applicable, such work as the Consultant has completed upon the date of its inability to continue the terms of this Agreement shall become

the property of the City, and further the City shall not be liable to tender and/or pay to the Consultant any further compensation after the date of the Consultant's inability to complete the terms hereof, which date shall be the date of termination unless extended by the City. Notwithstanding the above, the Consultant shall not be relieved of liability to the City for damages sustained by the City by virtue of any breach of the Agreement by the Consultant; and the City may withhold any compensation to the Consultant for the purpose of set-off until such time as the amount of damages due the City from the Consultant is agreed upon or otherwise determined. Additionally, the parties further agree that should the Consultant become unable for any reason to complete the work called for by virtue of this Agreement, the City may, in its sole discretion, call the performance bond due, in full, if any, as and for such non-performance, and/or as liquidated damages.

ARTICLE TEN: COMPLIANCE

The Consultant, at its sole cost, agrees to comply with all applicable federal, state, and local laws in the conduct of work hereunder. The Consultant accepts full responsibility for payment of all unemployment compensation insurance premiums, worker's compensation premiums, benefits as mandated by the Patient Protection and Affordable Care Act (PPACA), all income tax deductions, pension deductions, prevailing wages, if applicable, and any and all other taxes or payroll deductions required for the Consultant and all employees engaged by the Consultant for the performance of the work authorized by this Agreement. The costs of any health insurance benefits required by the PPACA shall be the responsibility of the Consultant and shall not be billed directly to the City. The Consultant shall comply with the requirements of the PPACA and any and all associated costs and/or penalties. It shall be the responsibility of the Consultant to report, track and determine employee hours that are eligible to be offered insurance benefits.

ARTICLE ELEVEN: PERFORMANCE AND DISCIPLINE

Unless otherwise provided in this Agreement or the exhibits attached hereto, the Consultant shall provide and pay for, to the extent applicable, all labor, materials, equipment, tools, construction equipment and machinery, transportation, and other facilities and services necessary for proper execution and completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work. The Consultant shall enforce strict discipline and good order among the Consultant's employees and other persons carrying out this Agreement. The Consultant shall not permit employment of persons not skilled in tasks assigned to them. The Consultant shall perform all Work in a reasonable, professional and workmanlike manner and all Work shall be of at least the quality provided for in this Agreement.

ARTICLE TWELVE: DAMAGE AND LOSS

The Consultant shall promptly remedy damage and loss (other than damage or loss insured under property insurance required elsewhere in this Agreement) to property referred to in this Section caused in whole or in part by the Consultant, a subcontractor of any tier, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Consultant is responsible under this Article except damage or loss attributable to acts or omissions of the City or anyone directly or indirectly employed by either of them, or by

anyone for whose acts either of them may be liable, and not attributable to the fault or negligence of the Consultant. The foregoing obligations of the Consultant are in addition to the Consultant's other obligations hereunder. In an emergency affecting safety of persons or property, the Consultant shall act, at the Consultant's discretion, to prevent threatened damage, injury or loss. The Consultant shall notify the City or a security arm of the City as soon as possible after such emergency arises.

ARTICLE THIRTEEN: WORKER'S COMPENSATION INSURANCE

The Consultant shall take out and maintain during the life of this Agreement Workers'

Compensation Insurance for its employees and shall furnish a certificate of Workers'

Compensation Insurance for its employees before the execution of this Agreement. No

contract between the City and the Consultant shall be created hereby or otherwise exist until a fully executed copy thereof has been served upon the City.

ARTICLE FOURTEEN: NON-DISCRIMINATION

During the performance of this Agreement, the Consultant will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual preference, national origin, ancestry, handicap, age, political belief or place of birth. The Consultant will ensure that applicants are employed and that employees are treated during employment without regard to race, color, religion, sex, sexual preference, national origin, ancestry, handicap, age, political belief or place of birth. Such action shall include, but is not limited to, the following: employment, upgrading, demotion or transfer; recruitment or

recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.

The Consultant, or any person claiming through the Consultant, agree not to establish or knowingly permit any such practice or practices of discrimination or segregation in reference to anything relating to this Agreement, or in reference to any Consultants or subcontractors of said Consultant.

ARTICLE FIFTEEN: INDEMNIFICATION

Consultant shall indemnify, hold harmless and, not excluding the City's right to participate, defend the City, its officers, officials, agents, and employees (hereinafter referred to as "Indemnitee") from and against all liabilities, claims, actions, damages, losses, and expenses including without limitation reasonable attorneys' fees and costs, (hereinafter referred to collectively as "claims") for bodily injury or personal injury including death, or loss or damage to tangible or intangible property caused, or alleged to be caused, in whole or in part, by the negligent or willful acts or omissions of Consultant or any of its owners, officers, directors, agents, employees, or subcontractors. This indemnity includes any claim or amount arising out of or recovered under the Workers' Compensation Law or arising out of the failure of such to conform to any federal, state, or local law, statute, ordinance, rule, regulation, or court decree. It is the specific intention of the parties that the Indemnitee shall, in all instances, except for claims arising solely from the negligent or willful acts or omissions of the Indemnitee, be indemnified by Consultant from and against any and all claims. It is agreed that Consultant will be responsible for primary loss investigation, defense, and judgment costs where this indemnification is

applicable. In consideration of the award of this contract, the Consultant agrees to waive all rights of subrogation against the City, its officers, officials, agents, and employees for losses arising from the work performed by the Consultant for the City.

ARTICLE SIXTEEN: RELATIONSHIP

Nothing in this Agreement is intended to, or shall be deemed to, constitute a partnership, association or joint venture with the Consultant in the conduct of the provisions of this Agreement. The Consultant shall at all times have the status of an independent Consultant without the right or authority to impose tort, contractual or any other liability on the City.

ARTICLE SEVENTEEN: DISCLOSURE

The Consultant hereby covenants that it has complied with the City's disclosure policy which requires anyone contracting with the City to disclose to the City any business relationship or financial interest that said Consultant has with an employee of the City or of any other City, agency, elected official or commission of the City of Centerville, such an employee's business, or any business relationship or financial interest that a Centerville elected official, City, agency or commission employee has with the Consultant or in the Consultant's business.

ARTICLE EIGHTEEN: INSURANCE REQUIREMENTS

Consultant and subcontractors shall procure and maintain until all of their obligations have been discharged, including any warranty periods under this Contract are satisfied, insurance against claims for injury to persons or damage to property which may arise from or in connection

with the performance of the work hereunder by the Consultant, its agents, representatives, employees, or subcontractors.

The insurance requirements herein are minimum requirements for this Contract and in no way limit the indemnity covenants contained in this Contract. The City in no way warrants that the minimum limits contained herein are sufficient to protect the Consultant from liabilities that might arise out of the performance of the work under this contract by the Consultant, his agents, representatives, employees, or subcontractors and Consultant is free to purchase additional insurance as may be determined necessary.

A. MINIMUM SCOPE AND LIMITS OF INSURANCE: Contractor shall provide coverage with limits of liability not less than those stated below. An excess liability policy or umbrella liability policy may be used to meet the minimum liability requirements provided that the coverage is written on a "following form" basis.

1. Commercial General Liability – Occurrence Form

Policy shall include bodily injury, property damage, and broad form contractual liability coverage.

•	General Aggregate	\$2,000,000
•	Products – Completed Operations Aggregate	\$1,000,000
•	Personal and Advertising Injury	\$1,000,000
•	Fach Occurrence	\$1,000,000

- a. The policy shall be endorsed to include the following additional insured language: "The City of Centerville shall be named as an additional insured with respect to liability arising out of the activities performed by, or on behalf of the Contractor, including completed operations".
- b. Coverage shall be primary and non-contributory.
- c. Associated bid number, job number, or project number should be referenced on the certificate.
- d. The Policy should contain an unintentional failure to disclose endorsement.
- e. The policy should include a notice of occurrence endorsement CEO, President, CFO, Risk Manager, or General Counsel.
- f. Contractor's subcontractor shall be subject to the same minimum requirements identified above.

2. Automobile Liability

Bodily Injury and Property Damage for any owned, hired, and non-owned vehicles used in the performance of this Contract.

Combined Single Limit (CSL)

\$1,000,000

- a. Coverage shall be primary and non-contributory.
- b. Policy should be endorsed with an unintentional failure to disclose wording.
- c. The policy should include a notice of occurrence endorsement CEO, President, CFO, Risk Manager, or General Counsel.
- d. Associated bid number, job number, or project number should be referenced on the certificate.
- e. Contractor's subcontractor shall be subject to the same minimum requirements identified above.

3. Workers' Compensation and Employers' Liability

Workers' Compensation

Statutory

Ohio Employers' Liability

Each Accident
Disease – Each Employee

\$1,000,000 \$1,000,000

Disease – Policy Limit

\$1,000,000

- a. Policy shall contain a waiver of subrogation in favor of the City of Centerville.
- b. Contractor's subcontractor shall be subject to the same minimum requirements identified in this section.

4. Professional Liability (Errors and Omissions Liability)

The policy shall cover professional misconduct or lack of ordinary skill for those positions defined in the Scope of Services of this contract.

Each Claim/Aggregate \$1,000,000 Annual Aggregate \$2,000,000

- a. In the event that the professional liability insurance required by this Contract is written on a claims-made basis, Contractor warrants that any retroactive date under the policy shall precede the effective date of this Contract; and that continuous coverage will be maintained for a period of two (2) years beginning at the time work under this Contract is completed.
- B. <u>ADDITIONAL INSURANCE REQUIREMENTS:</u> The policies shall include, or be endorsed to include, the following provisions:
 - On insurance policies where the City of Centerville is named as an additional insured, the City shall be an additional insured to the full limits of liability purchased by the Contractor even if those limits of liability are in excess of those

- required by this Contract.
- 2 The Contractor's insurance coverage shall be primary insurance and non-contributory with respect to all other available sources.
- C. NOTICE OF CANCELLATION: Each insurance policy required by the insurance provisions of this Contract shall provide the required coverage and shall not be suspended, voided, or canceled except after sixty (60) days prior written notice has been given to the City, except when cancellation is for non-payment of premium, then ten (10) days prior notice may be given. Such notice shall be sent directly to the City of Centerville, Ohio.
- D. <u>ACCEPTABILITY OF INSURERS:</u> Insurance is to be placed with insurers duly licensed or authorized to do business with the City of Centerville with an "A.M. Best" rating of not less than A IX. The City in no way warrants that the above-required minimum insurer rating is sufficient to protect the Contractor from potential insurer insolvency.
- E. <u>VERIFICATION OF COVERAGE</u>: Contractor shall furnish the City with certificates of insurance (ACORD form or equivalent approved by the City) as required by this Agreement. The certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf.
 - All certificates and any required endorsements are to be received and approved by the County before work commences. Each insurance policy required by this Agreement must be in effect at or prior to commencement of work under this Contract and remain in effect for the duration of the project. Failure to maintain the insurance policies as required by this Agreement or to provide evidence of renewal is a material breach of contract.
- F. <u>SUBCONTRACTORS:</u> Contractors' certificate(s) shall include all subcontractors as additional insureds under its policies **or** Contractor shall furnish to the City separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to the minimum requirements identified above.
- G. <u>APPROVAL:</u> Any modification or variation from the insurance requirements in this Agreement shall be made by the Municipal Attorney, whose decision shall be final. Such action will not require a formal Agreement amendment, but may be made by administrative action.

ARTICLE NINETEEN: PERFORMANCE BOND

No performance bond is required for this Agreement.

ARTICLE TWENTY: NOTICES

Any notices required or authorized to be given shall be deemed to be given when mailed

by certified or registered mail, postage prepaid, as follows: if to the City, to the City's address as

shown on the face of this Agreement; if to the Consultant, to the Consultant's address as shown

on the face of this Agreement.

ARTICLE TWENTY-ONE: HEADINGS

Organization of the Specifications into divisions, sections and articles and arrangement

of Drawings shall not control the Consultant in dividing the Work among subcontractors or in

establishing the extent of Work to be performed by any trade. Numbered topical headings,

articles, paragraphs, subparagraphs or titles in this Agreement are inserted for the convenience

of organization and reference and are not intended to affect the interpretation or construction

of the terms thereof.

ARTICLE TWENTY-TWO: AUTHORITY TO BIND PRINCIPAL

Signatures hereon shall act as express representations that the signing agents are

authorized to bind their respective principals to all rights, duties, remedies, obligations and

responsibilities incurred by way of this Agreement.

ARTICLE TWENTY-THREE: AMENDMENT TO AGREEMENT/ACCEPTANCE

Conflicts with Agreement. This Agreement amends and is incorporated by reference into

any agreement submitted by Contractor or Consultant ("Contractor's Agreement"). In the event

of any conflict or inconsistency between this Agreement and the Contractor's Agreement, the

terms of this Agreement shall control, and shall amend, restate, and supersede any conflicting or

inconsistent terms in the Contractor's Agreement regardless of whether the provisions of this

Agreement are prefaced with "notwithstanding anything else to the contrary" or similar

language. The term "Contractor's Agreement" refers to any additional agreement provided by

Contractor, and as the context requires, such Contractor's Agreement as amended by this

Agreement.

Acceptance of this Agreement. This Agreement will be deemed agreed, accepted, and

confirmed by the applicable parties.

NOTICE: THIS AGREEMENT MUST BE SIGNED AND RETURNED WITHIN THIRTY (30) DAYS OF

NOTIFICATION OR THE OFFER TO ENTER INTO THIS AGREEMENT SHALL BE WITHDRAWN AND

THIS AGREEMENT SHALL BE VOID.

The parties have hereunto set t	their hands this day of	, 2022.
Signed and acknowledged in the presence of:	CITY OF CENTERVILLE	
	Wayne S. Davis City Manager	
	TEC Engineering, Inc.	
	Name:	
	Title:	
APPROVED AS TO FORM BY:		
Scott A. Liberman Municipal Attorney	-	
Date:		

EXHIBIT "A" SUMMARY OF STEPS

C-R-S MOT-CLYO/DIMCO WAY IMPROVEMENTS

Consultant: TEC ENGINEERING, INC.

Average Hourly Rate	Total Hours	Labor Costs	Overhead Costs	Cost of Money	Direct Costs	Subcon Costs	Net Fee	Total Cost
AUTHORIZED TAS	SKS:							
Planning Phase								
\$44.77	156	\$6,983	\$12,928	\$73	\$1,996	\$0	\$1,997	\$23,978
Preliminary Engineering Ph	nase							
\$42.85	2174	\$93,165	\$172,467	\$978	\$262	\$42,033	\$26,643	\$335,549
Environmental Engineering	Phase							
\$44.80	1206	\$54,033	\$100,026	\$567	\$246	\$2,052	\$15,452	\$172,377
Final Engineering Phase								
\$47.95	223	\$10,693	\$19,794	\$112	\$123	\$125,450	\$3,058	\$159,230
Construction Engineering F	Phase							
\$47.95	20	\$900	\$1,666	\$9	\$0	\$0	\$257	\$2,833
TOTAL AUTHORIZED TAS	SKS							
\$43.87	3779	\$165,774	\$306,881	\$1,741	\$2,628	\$169,535	\$47,408	\$693,967
IF-AUTHORIZED T Planning Phase	ASKS:							
Preliminary Engineering Ph	nase							
r rommany Engineering r r	166	\$7,181	\$13,294	\$75	\$0	\$5,353	\$2,054	\$27,957
Environmental Engineering		**,***	* 1	***	**	72,222	4=,***	*=-,
3 0	364	\$15,763	\$29,181	\$166	\$0	\$7,049	\$4,508	\$56,666
Final Engineering Phase		, ,, .,	, , ,	,	, .	, ,,		, ,
	162	\$6,698	\$12,400	\$70	\$0	\$0	\$1,916	\$21,084
Construction Engineering F	Phase							
TOTAL IF-AUTHORIZED T								
	692	\$29,642	\$54,874	\$311	\$0	\$12,402	\$8,477	\$105,707
GRAND TOTAL	4471	\$195,417	\$361,755	\$2,052	\$2,628	\$181,937	\$55,885	\$799,674

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C-R-S	MOT-CLYO/DIMCO WAY IMPROVEMENTS		רתי	JPU.	SAL	LAD	UK 3		NK I			Sept 2021
Consultant:	TEC ENGINEERING, INC.										\$693,967	
Agreement No.	-											
Modification No.	-											
PID No.	119553											
Proposal Date	7/26/2024											
		No. of		Proj.	Sr. Proj.					_	-	-4-1
		Units	VP	Manager			Senior Tech					otal
Task Description	7/22/2024		\$72.12	\$52.88	\$48.08	\$37.98	\$32.00	\$27.00	\$43.00	\$48.56	Hours	Cost
AUTHORIZED TASKS:												
1 - Planning Phase												
_												
1.3 - Existing Data, Research and	Analysis											
1.3.B - Crash Analysis				2	10			20			32	\$1,127
1.3.C - Traffic Counts							_	_				
	Counts at Intersections - No Build							16			16	\$432
	Roadways and Ramps - No Build							8			8	\$216
	ation Meeting for Traffic Modeling	1	4		4						8	\$481
1.3.D - Planning Level Traffic - No		1		8	20						28	\$1,385
1.3.F - Capacity Analysis - No Bu		1		4	8			4			16	\$704
1.3.G - Safety Analysis - No Build				4	16			8			28	\$1,197
	TOTAL 1.3 - Existing Data, Research and Analysis		4	18	58	0	0	56	0	0	136	\$5,541
1.5 - Project Management for Plan	ming Phase											
1.5.C - Project Set Up	ining i nase		20								20	\$1,442
1.5.5 1 15/550 550 55	TOTAL 1.5 - Project Management for Planning Phase		20	0	0	0	0	0	0	0	20	\$1,442
	. o. // 12 . i.o. i . i ojoot illumagomoni i o. i . illiminig . illuoo		20								20	Ψ1,442
TO	TAL 1- Planning Phase		24	18	58	0	0	56	0	0	156	\$6,983
2 - Preliminary Engineeri	ng Phase											
2.1 - Develop Preliminary Alternat				_								
2.1.A -Prepare and Complete Fea												
	c for Feasible (Build) Alternatives			8	24	8					40	\$1,881
2.1.A.C - Capacity Analysis Fe				4	16	20					40	\$1,740
2.1.A.D - Safety Analysis for F				8	24	24					56	\$2,488
2.1.A.E - Field Survey and Aer								32		16	48	\$1,641
2.1.A.F - Typical Section	•				4						4	\$192
2.1.A.G - Preliminary Alignmer	nt and Profile				40	40					80	\$3,442
2.1.A.H - Cross-Sections					24	40					64	\$2,673
2.1.A.I - Mapping					8	24					32	\$1,296
2.1.A.J - Stakeholder Public In				8	8						16	\$808
2.1.A.K - Prepare Feasibility S			8	16	80	80		40			224	\$9,388
	TOTAL 2.1 - Develop Preliminary Alternatives		8	44	228	236	0	72	0	16	604	\$25,550
2.3 - AER Design												
2.3.A - Field Survey and Aerial M	anning											
	apping chmarks, and Reference Points											
2.3.A.A - Project Control, Bend 2.3.A.A.2 - Type "B" Monun		8					20			20	40	¢1 c14
2.3.A.B - Monumentation reco		°					20			20	40	\$1,611
2.3.A.B.1 - Existing Centerl		0.5					13			13	26	\$1,047
	Used on projects with additional R/W needed)	10					120			80	200	\$1,047
2.3.A.C - Base Mapping (incl.		1 '0					120			30	200	φ1,123
2.3.A.C.2 - R/W Project		0.5					80			40	120	\$4,502
	ream cross sections)	0.3					8			-10	8	\$256
2.3.A.D - Drainage Survey (str		1 0.1	1				U				_ `	ψ230
2.3.A.D - Drainage Survey (str 2.3.A.E - Bridge Survey	,											
2.3.A.E - Bridge Survey		13					24			16	40	\$1 545
2.3.A.E - Bridge Survey	es, tax id, & ownerships on base map	13					24			16	40 22	\$1,545 \$737
2.3.A.E - Bridge Survey 2.3.A.F - Establish property lin	es, tax id, & ownerships on base map						-			16 2	40 22	\$1,545 \$737

Agroement No. Modification No.	Version: Sept 2021			RY	JMMA	OR SI	LAB	SAL	OPO	PRO	F	MOT-CLYO/DIMCO WAY IMPROVEMENTS	C-R-S
Agreement No	7	\$693,967										TEC ENGINEERING, INC.	Consultant:
Modification No.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										-	
PID No. 119553 Proposal Date 7/26/2024												_	
Proposal Date												119553	
No. of Probability Proba	+												
Task Description	- Fotal	T	Surveyor	Signal Tech	Technician	Senior Tech				VP		1120/2024	r roposar Date
2.3.E.A. Signals & ITS 2.3.E.A. Utility Coordination and Documentation 2.3.H.A. Identify and coordinate impacts on FEMA flood zones 2.3.H.A. Identify and coordinate impacts on FEMA flood zones 2.3.H.A. Identify and coordinate impacts on FEMA flood zones TOTAL 2.3 - AER Design 2.4.A. Prepare Cost Estimates 2.4.A. Prepare Cost Estimates 2.4.B. Right of Way Costs TOTAL 2.4 - Prepare Cost Estimates 2.7.A. Single 1 Design 2.7.A. Single 1 Design 2.7.A. Tibe Sheet 2.7.A. Tibe Shee	Cost	Hours	-							\$72 12		7/22/202	Task Description
2.3.G Utility Coordination and Documentation 2.3.G Utility Coordination and Documentation 2.3.H Miscellaneous 2.3.H Identify and coordinate impacts on FEMA flood zones 2.3.H Identify and coordinate impacts on FEMA flood zones 2.3.H Identify and coordinate impacts on FEMA flood zones 2.3.H Identify and coordinate impacts on FEMA flood zones 2.3.H Identify and coordinate impacts on FEMA flood zones 2.3.H Identify and coordinate impacts on FEMA flood zones 2.4.H Roadway/Interchange Costs 2.4.B Right of Way Costs 7.5.H Coordination Report Notes 2.7.A Title Sheet 3.7.A Title Sheet 3.7.A.	1 0001	Houre	ψ+0.00	ψ+0.00	Ψ27.00	Ψ02.00	ψ01.00	ψ+0.00	Ψ02.00	Ψ7 2.12			
2.3.G Utility Coordination and Documentation 2.3.H Miscellaneous 2.3.H Miscellaneous 2.3.H Identify and coordinate impacts on FEMA flood zones TOTAL 2.3 - AER Design 2.4 Propare Cost Estimates 2.4.B Right of Way Costs TOTAL 2.4 - Prepare Cost Estimates 2.4.B Right of Way Costs TOTAL 2.4 - Prepare Cost Estimates 2.7.A Title Sheet 2.7.A	3 \$144	3						3					
2.3.H.A. Identify and coordnate impacts on FEMA flood zones 7.1. Propers Cost Estimates 2.4. Propare Cost Estimates 2.4. Propare Cost Estimates 2.4. R. Roadway/Interchange Costs 2.4. B. Right of Way Costs 7.1. Roadway 2.7. A. Title Sheet 2.7. A. Roadway 2.7. A. Title Sheet 2.7. A. Foodway 2.7. A. Foodway 2.7. A. Title Sheet 2.7. A. Foodway 2.7. A. Food													
2.3 H.A. Identify and coordinate impacts on FEMA flood zones	\$664	20				16	4					oordination and Documentation	2.3.G.A - Utility Coordination
Company Content Company Content Cont												S	2.3.H - Miscellaneous
2.4 - Propare Cost Estimates 2.4 A - Roadway/Interchange Costs 2	\$48	10						10				and coordinate impacts on FEMA flood zones	2.3.H.A - Identify and coordin
2	3 \$18,90	493	171	0	0	301	4	17	0	0		TOTAL 2.3 - AER Desig	
2												imates	2.4 Propore Cost Estimates
2	8 \$754	18					12	4	2				
Company Comp		18					12	4					
2.7 A.B Title Sheet	Ψ10.	20	0	0	0	0	12	4		0			2.4.B Hight of Way Cools
2.7.A Roadway 2.7.A Title Sheet 2.7.A Schematic Plan 2.7.A Schematic Plan 2.7.A Typical Sections 2.7.A Typical Sections 3 Typical Sections 4 10 10 10 200 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.			-									,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
2.7 A.A - Title Sheet													
2.7.A.B Schematic Plan 2.7.A.D General Notes 2.7.A.E Typical Sections 100 10 2.7.A.F Cross Sections 100 200 3 2.7.A.F Cross Sections 100 200 5 2.7.A.F Plan and Profile - Mainline 2.7.A.H Plan and Profile - Mainline 2.7.A.H Plan and Profile - Crossroads 2.7.A.K Intersection Details 2.7.A.F Typical Sections 2.7.A.F Plan and Profile - Crossroads 2.7.A.F Typical Sections 2.7.A.F Typical Sections 2.7.A.F Typical Sections 2.7.A.F Typical Sections 2.7.B Drainage Details 2.7.B Traffic Control 2.7.B Drainage Calculations - Ditches 2.7.B Drainage Calculations - Ditches 2.7.B Drainage Calculations - Storm Sewer/Inlet Spacing 2.7.B Utilities 2.7.C Utilities 2.7.C Utilities 2.7.C Utilities to Plan/Profile Sheets 2.7.D Add Utilities to Plan/Profile Sheets 2.7.D Add Utilities to Plan/Profile Sheets 2.7.D Add Utilities to Plan/Profile Sheets 2.7.D Geotechnical Services and Report (MSG) 2.7.D Geotechnical Services and Report (MSG) 2.7.D Prepare C2 Cost Estimates and Update Milestones 2.7.D Add Utility to Plan/Profile Sheets 2.7.D Section Plan Services and Report (MSG) 2.7.D Prepare C2 Cost Estimates and Update Milestones 2.7.D Add Utility to Plan/Profile Sheets 2.7.D Section Plan Services and Report (MSG) 2.7.D Detour Plan 2.7.D Conceptual MOT Revision 14 14 14 14 14 14 14 14 14 14 14 14 14 1													
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2.7.A.N - Driveway Details 2.7.A.P - Traffic Control 2.7.B. P - Traffic Control 2.7.B. P - Traffic Control 2.7.B. A - Storm Sewer Profiles 2.7.B.D.2 - Drainage Calculations - Ditches 2.7.B.D.3 - Drainage Calculations - Storm Sewer/Inlet Spacing 2.7.B.D.3 - Drainage Calculations - Storm Sewer/Inlet Spacing 2.7.B.E - BMP Design 2.7.C Utilities 2.7.C Utility Coordination and Documentation 2.7.C.D - Add Utilities to Plan/Profile Sheets 2.7.D Geotechnical Services 2.7.D Geotechnical Services 2.7.D Geotechnical Services 2.7.D Geotechnical Services 2.7.H.A - Roadway/Interchange Costs 2.7.H.A - Roadway/Interchange Costs 2.7.J Maintenance of Traffic 2.7.J.A Detour Plan 2.7.J.C - Conceptual MOT Revision 2.7.J.C - Conceptual MOT Revision 3.7.J.D - MOT Coordination Discussions 4.7.J.D - MOT Coordination Discussions 5.7.J.D - MOT Coordination Discussion		24											
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2.7.B.D.2 - Drainage Calculations - Ditches 16 24 24 2.7.B.D.3 - Drainage Calculations - Storm Sewer/Inlet Spacing 16 24 3 2.7.B.E - BMP Design 16 16 24 3 2.7.C Utilities 27.C.A - Utility Coordination and Documentation 6 6 6 6 6 6 6 6 6 6 6 7 <t< td=""><td>\$2,404</td><td>50</td><td></td><td></td><td></td><td></td><td></td><td>50</td><td></td><td></td><td></td><td>Sewer Profiles</td><td></td></t<>	\$2,404	50						50				Sewer Profiles	
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2.7.B.E - BMP Design 2.7.C - Utilities 2.7.C Utility Coordination and Documentation 2.7.C.D - Add Utilities to Plan/Profile Sheets 2.7.D Geotechnical Services 2.7.D.A - Geotechnical Services and Report (MSG) 2.7.H - Prepare C2 Cost Estimates and Update Milestones 2.7.H.A - Roadway/Interchange Costs 2.7.J.A - Detour Plan 2.7.J.A - Detour Plan 2.7.J.C - Conceptual MOT Revision 2.7.J.D - MOT Coordination Discussions TOTAL - 2.7 - Stage 1 Design 16		40											
2.7.C.A - Utility Coordination and Documentation 6 6 6 15 2.7.D Geotechnical Services 15 3 3 2.7.D Geotechnical Services and Report (MSG) 2.7.H Prepare C2 Cost Estimates and Update Milestones 3 3 2.7.H Prepare C2 Cost Estimates and Update Milestones 3 18 18 18 2.7.J Maintenance of Traffic 3		32					16	16					
2.7.C.D - Add Utilities to Plan/Profile Sheets 15 2.7.D Geotechnical Services													2.7.C - Utilities
2.7.D Geotechnical Services 2.7.D.A Geotechnical Services and Report (MSG) 2.7.H Prepare C2 Cost Estimates and Update Milestones 18 2.7.H Roadway/Interchange Costs 18 2.7.J Maintenance of Traffic 16 2.7.J.A Detour Plan 16 2.7.J.C - Conceptual MOT Revision 12 2.7.J.D - MOT Coordination Discussions 14 14 TOTAL - 2.7 - Stage 1 Design 0 20 408 479 0 0 0 26 9	2 \$606	12						6	6			oordination and Documentation	2.7.C.A - Utility Coordination
2.7.D.A - Geotechnical Services and Report (MSG) 18	5 \$72 ⁻	15						15					
2.7.H - Prepare C2 Cost Estimates and Update Milestones 18 18 18 2.7.J - Maintenance of Traffic 5 16 5 18													
2.7.H.A - Roadway/Interchange Costs 18 18 18 2.7.J Maintenance of Traffic	5 \$0	0											
2.7.J Maintenance of Traffic 2.7.J.A - Detour Plan 16 2.7.J.C - Conceptual MOT Revision 12 2.7.J.D - MOT Coordination Discussions 14 14 TOTAL - 2.7 - Stage 1 Design 0 20 408 479 0 0 0 26 9						_							
2.7.J.A - Detour Plan 16 18 <t< td=""><td>\$1,549</td><td>36</td><td></td><td></td><td></td><td></td><td>18</td><td>18</td><td></td><td></td><td></td><td></td><td></td></t<>	\$1,549	36					18	18					
2.7.J.C - Conceptual MOT Revision 12 5 2.7.J.D - MOT Coordination Discussions 14 14 TOTAL - 2.7 - Stage 1 Design 0 20 408 479 0 0 0 26 9	2 2							4.0					
2.7.J.D - MOT Coordination Discussions 14 <td< td=""><td></td><td>16 12</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>		16 12											
TOTAL - 2.7 - Stage 1 Design 0 20 408 479 0 0 0 26 9		12 28							1/1				
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	\$40,720	- 555	0				.,,						
												nent for Preliminary Engineering Phase	, ,
		14						2			14	raight	
		110	_	0		0					11		Z.o.b - General Oversight
TOTAL 2.8 - Project Management for 61 61 2 0 0 0 0 1	\$7,72	124	U	U	U	0	0	2	61	61		TOTAL 2.6 - Project Management to	
Total - 2 Preliminary Engineering Phase 69 129 659 731 301 72 0 213 21	\$93,165	2174	213	0	72	3 <u>01</u>	731	659	129	69		Total - 2 Preliminary Engineering Phas	

C-R-S	MOT-CLYO/DIMCO WAY IMPROVEMENTS		PRO	ОРО	SAL	LAB	OR SI	JMM <i>A</i>	ARY			Version: Sept 2021
Consultant:	TEC ENGINEERING, INC.										\$693,967	
Agreement No.	-										,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Modification No.	-											
PID No.	119553											
Proposal Date	7/26/2024											
	11202021	No. of Units	VP	Proj. Manager	Sr. Proj. Engineer	Design Engineer	Senior Tech	Technician	Signal Tech	Surveyor	Т	otal
Task Description	7/22/2024		\$72.12	\$52.88	\$48.08	\$37.98	\$32.00	\$27.00	\$43.00	\$48.56	Hours	Cost
3 - Environmental Engineer	ing Phase											
3.3 - Stage2	· ·											
3.3.A - Roadway												
3.3.A.A - Title Sheet					3	3					6	\$258
3.3.A.B - Schematic										6	6	\$291
3.3.A.D - General Notes					8	8					16	\$688
3.3.A.E - Typical Sections					4	4					8	\$344
3.3.A.F- Plan and Profile - Mainlin	ne				30	30					60	\$2,582
3.3.A.G - Plan and Profile - Cross					12	24					36	\$1,488
3.3.A.I - Cross Sections					50	100					150	\$6,202
3.3.A.J - Intersection Details					32						32	\$1,539
3.3.A.L- Curb Ramp Details					8						8	\$385
3.3.B - Drainage												
3.3.B.A - Storm Sewer Profiles					12						12	\$577
3.3.B.D - Underdrain details					25						25	\$1,202
3.3.B.E - BMP Details					8						8	\$385
3.3.C - Traffic Control												
3.3.C.A - Pavement Marking Plan					30						30	\$1,442
3.3.C.B - Signing Plan					30						30	\$1,442
3.3.E - Maintenance of Traffic												
3.3.E.A - MOT General Notes					8						8	\$385
3.3.E.D - Temporary Signing Deta	ils											
3.3.E.E - MOT Typical Sections					8						8	\$385
3.3.E.F - MOT Plan Sheets		6			80	100					180	\$7,644
3.3.E.G - Temporary Signal Detail	s (Modification of Existing or Proposed Signal)											
3.3.E.G.1 - Temporary Signal [Details (Modification of Existing or Proposed Signal) -				20	20					40	\$1,721
3.3.J - Utilities												
3.3.J.A - Utility Coordination and D	Occumentation				24						24	\$1,154
3.3.K - Geotechnical Services												
3.3.K.A - Finalize Geotechnical Inv	vestigation and Report (MSG)										0	\$0
	TOTAL 3.3 - Stage2		0	0	392	289	0	0	0	6	687	\$30,115
	•											
3.4 - Right of Way Plans												
3.4.B - Preliminary Right of Way Plar	ns											
3.4.B.A - Legend Sheet							8			2	10	\$353
3.4.B.B - Centerline Survey Plat		2					32			4	36	\$1,218
3.4.B.C - Property Map		1					22			4	26	\$898
3.4.B.D - Summary of Additional F	Right of Way	8								24	24	\$1,165
3.4.B.E - ROW Detail Sheets		6					84			60	144	\$5,602
3.4.B.G - Legal Descriptions and 0	Closure Calculations	13								39	39	\$1,894
3.4.B.I - Field Review		6					8			2	10	\$353
3.4.C - Final Right of Way Plans												
3.4.C.A - Final Right of Way Plan		6					6			18	24	\$1,066
3.4.C.B - Field Review & Verify Pr		6					8			4	12	\$450
3.4.C.C - Record Centerline Plat a		2								16	16	\$777
3.4.C.D - Set R/W Pins after acqu		16					10			6	16	\$611
	TOTAL 3.4 - Right of Way Plans		0	0	0	0	178	0	0	179	357	\$14,388
3.8 - Prepare Cost Estimates and Rev	rise Milestone											
3.8.A - Roadway/Interchange Costs				4	8	18					30	\$1,280
TOTA	L 3.8 - Prepare Cost Estimates and Revise Milestone		0	4	8	18	0	0	0	0	30	\$1,280

C-R-S	MOT-CLYO/DIMCO WAY IMPROVEMENTS		PR	OPO	SAL	LAB	OR SI	JMMA	RY			Version: Sept 2021
Consultant:	TEC ENGINEERING, INC.										\$693,967	
Agreement No.	-										,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Modification No.	-											
PID No.	119553											
Proposal Date	7/26/2024											
	7.20.2021	No. of Units	VP	Proj. Manager	Sr. Proj. Engineer	Design Engineer	Senior Tech	Technician	Signal Tech	Surveyor	Т	otal
Task Description	7/22/2024		\$72.12	\$52.88	\$48.08	\$37.98	\$32.00	\$27.00	\$43.00	\$48.56	Hours	Cost
3.9 - Project Management for Environ	mental Engineering Phase											
3.9.A - Meetings 3.9.B - General Oversight		12	6	6							12	\$75
3.9.b - General Oversigni	TOTAL 3.9 - Project Management for		60 66	60 66	0	0	0	0	0	0	120 132	\$7,50 \$8,25
	Total - 3 Environmental Engineering Phase		66	70	400	307	178	0	0	185	1206	\$54,033
/ Final Francisco and B	MA Disease											
4 - Final Engineering and R/ 4.1 - Right of Way Acquisition	w Phase			_	_	_	_					
4.1.A - Right of Way Acquisition	TOTAL 4.1 - Right of Way Acquisition		0	0	0	0	0	0	0	0	0	\$1
4.2 - Stage 3 Detailed Design Plans												
4.2.A - Quantities and Notes												
4.2.A.A - Pavement Subsummary					8	4					12	\$53
4.2.A.B - Drainage Subsummary					4	4					8	\$34
4.2.A.C - Roadway Subsummary					12	8					20	\$88
4.2.A.E - Maintenance of Traffic St					1						1	\$4
4.2.A.F - Pavement Marking Subsi	ummary				8	10					18	\$76
4.2.A.G - Signing Subsummary					8	10					18	\$76
4.2.A.M - General Summary Sheet	t				20	20					40	\$1,72
4.2.A.P - General Notes	TOTAL 4.2 - Stage 3 Detailed Design Plans		0	0	12 73	56	0	0	0	0	12 129	\$577 \$5,637
4.3 - Prepare Cost Estimates and Rev	ise Milestone											
4.3.A - Roadway/Interchange Costs					20	12					32	\$1,41
TOTAL	_ 4.3 - Prepare Cost Estimates and Revise Milestone		0	0	20	12	0	0	0	0	32	\$1,41
4.4 - Final Plan Package	18				40	40					2.1	*4.00
4.4.A - Submission of Final Tracings	4.4 - Final Plan Package			0	12	12	0	^	0	0	24	\$1,03
			0	0	12	12	0	0	0	0	24	\$1,033
4.5 - Project Management for Final En	igineering and Right of Way Phase											
4.5.A - Meetings			3	3							6	\$37
4.5.B - General Oversight TOTAL 4.5 - Project Manage	ment for Final Engineering and Right of Way Phase	6	24 27	3	0	0	0	0	0	0	24 30	\$1,73 \$2,10
4.6 - Pre-Bid Activities												
4.6.A - Pre-Bid Questions	TOTAL 4.6 - Pre-Bid Activities		4	4		0	0				8	\$50
			4	4	0		0	0	0	0	8	\$50
	TOTAL - Final Engineering Phase		31	7	105	80	0	0	0	0	223	\$10,69
5 - Construction Phase												
5.1 - On-going Services during Cor												
5.1.A - On-going Services During (4	8	8					20	\$90
ТО	TAL 5.1 - On-going Services during Construction		0	4	8	8	0	0	0	0	20	\$90

C-R-S	MOT-CLYO/DIMCO WAY IMPROVEMENTS		PRO	OPO	SAL	LAB	OR SI	JMMA	\RY			Version: Sept 2021
Consultant:	TEC ENGINEERING, INC.										\$693,967	
Agreement No.	-											
Modification No.	_											
PID No.	119553											
Proposal Date	7/26/2024	No. of		B'	Sr. Proj.	B						
		Units	VP	Proj. Manager			Senior Tech	Technician	Signal Tech	Surveyor	Ι т	otal
Task Description	7/22/2024	Onito	\$72.12		\$48.08	\$37.98	\$32.00	\$27.00	\$43.00	\$48.56	Hours	Cost
	TOTAL - Construction Phase		0	4	8	8	0	0	0	0	20	\$900
												Ψ00
	TOTAL AUTHORIZED PARTS		190	228	1230	1126	479	128	0	398	3779	\$165,774
IE AUTHODIZED TACKO												
IF-AUTHORIZED TASKS Certified Traffic												
2.1.A.B - Certified Traffic Feasib	ole (Build) Alternative(s)			16	60	20		24			120	\$5,13
Additional Environmental Suppo				10	- 00	20		£-7			120	ψ0,10
2.2.C - Ecological Survey Report											0	\$
Permit Determination Request (P											0	
3.1.M - Waterway Permit - Section												\$
	on 404										0	\$
Water and Sanitary Design												
2.7.C.B - Description of propose	ed water and/or sewer work			9	9						18	\$90
3.3.J.B - Water Works Plan		3		8	60	40					108	\$4,82
3.3.J.C - Water Works Details &	Notes	3		4	24	20					48	\$2,12
3.3.J.D - Sanitary Sewer Plans		3		4	20	12					36	\$1,62
Lighting Design												
2.7.I - Lighting Plans					4	9					13	\$53
3.3.F - Lighting Plan												
3.3.F.A - Lighting Analysis					8	22					30	\$1,22
3.3.F.B - Power/Circuit Layout &	Details				5	16					21	\$84
3.3.F.C - Lighting Plan and Deta					7	24					31	\$1,24
3.3.F.D - Voltage Drop Calculati	ons				3	8					11	\$44
3.3.F.E - Power Service						9					9	\$34
4.2.A.K - Lighting Subsummary					8	13					21	\$87
4.2.A.R - Lighting Notes					8	20					28	\$1,14
4.2.E - Lighting Plans						20					20	Ψ1,17
4.2.E.A - Lighting Details					8	16					24	\$99
Traffic Signal Design						10					24	ψυυ
2.7.K - Signal Plans					3	12					15	\$60
3.3.D - Signals & ITS					3	12					15	\$00
3.3.D.A - Signal Plan Sheets				20		34					54	\$2,34
3.3.D.B - Interconnect Details				8		8					16	\$72
4.2.A.H - Signal Subsummary	None				12	20					32	\$1,33
4.2.B - Traffic Signal Plans & ITS F												
4.2.B.A - Wiring diagram & pole	orientation				4	17					21	\$83
4.2.B.B - Timing Chart	14. 51				8	9					17	\$72
4.2.B.C - Elevation Views of Ma	St Arm Poles				4	7					11	\$45
4.2.B.D - Traffic Signal Signs					2	6					8	\$32
	TOTAL IF-AUTHORIZED PARTS		0	69	257	342	0	24	0	0	692	\$29,64
	GRAND TOTAL		190	297	1487	1468	479	152	0	398	4471	\$195,41

C-R-S	MOT-CLYO/DIMCO WAY IMPROVEMENTS			Pl	ROPOS	AL COS	T SUN	IMARY	<u></u>		Version: Sept 2021
Consultant:	TEC ENGINEERING, INC.										
Agreement No.	-			State Average Over	head Rate		159.98%				
Modification No.	-			Consultant Overhea			185.12%				
PID No.	119553			Cost of Money:			1.05%				
Proposal Date	7/26/2024			Net Fee Percentage):		11%				
		No. of Units	Average Hourly	Total	Labor	Overhead	Cost of	Direct	Subcon	Net	Total
Task Description			Rate	Hours	Costs	Costs	Money	Costs	Costs	Fee	Cost
AUTHORIZED TAS	KS:										
1 - Planning Phas											
1.3 - Existing Data, Reso	earch and Analysis										
1.3.B - Crash Analysis			\$35.21	32	\$1,127	\$2,085	\$12	\$0		\$322	\$3,546
1.3.C - Traffic Counts											
	Novement Counts at Intersections - No Build		\$27.00	16	\$432	\$800	\$5	\$1,973		\$124	\$3,333
	Counts on Roadways and Ramps - No Build		\$27.00	8	\$216	\$400	\$2	\$23		\$62	\$703
	ry Coordination Meeting for Traffic Modeling		\$60.10	8	\$481	\$890	\$5	\$0		\$137	\$1,513
	Traffic - No Build Condition sis - No Build Condition		\$49.45 \$44.01	28 16	\$1,385	\$2,563	\$15 \$7	\$0 \$0		\$396 \$201	\$4,358 \$2,216
1.3.G - Safety Analysis				28	\$704	\$1,304		\$0 \$0		\$201 \$342	\$2,216
1.3.G - Salety Allalysis	TOTAL 1.3 - Existing Data, Research and Analysis		\$42.74 \$40.74	136	\$1,197 \$5.541	\$2,216 \$10.257	\$13 \$58	\$1,996	\$0	\$342 \$1,585	\$3,767 \$19,438
	TOTAL I.O Existing Butta, Resourch and Analysis		φ40.74	130	φυ,υ4 ι	\$10,237	φυσ	φ1,550	φ0	φ1,363	φ19,430
1.5 - Project Manageme	nt for Planning Phase										
1.5.C - Project Set Up			\$72.12	20	\$1,442	\$2,670	\$15	\$0		\$412	\$4,540
	TOTAL 1.5 - Project Management for Planning Phase		\$72.12	20	\$1,442	\$2,670	\$15	\$0	\$0	\$412	\$4,540
	TOTAL 1- Planning Phase		\$44.77	156	\$6,983	\$12,928	\$73	\$1,996	\$0	\$1,997	\$23,978
2 - Preliminary Er	ngineering Phase										
2.1 - Develop Preliminar											
	omplete Feasibility Study Report										
	Level Traffic for Feasible (Build) Alternatives		\$47.02	40	\$1,881	\$3,482	\$20	\$0		\$538	\$5,920
2.1.A.C - Capacity	Analysis Feasible (Build) Alternative(s)		\$43.51	40	\$1,740	\$3,222	\$18	\$0		\$498	\$5,478
2.1.A.D - Safety An	alysis for Feasible (Build) Alternative(s)		\$44.44	56	\$2,488	\$4,607	\$26	\$0		\$712	\$7,833
	vey and Aerial Mapping - Planning Level		\$34.19	48	\$1,641	\$3,038	\$17	\$0		\$469	\$5,165
2.1.A.F - Typical Se			\$48.08	4	\$192	\$356	\$2	\$0		\$55	\$605
	ry Alignment and Profile		\$43.03	80	\$3,442	\$6,373	\$36	\$0		\$984	\$10,836
2.1.A.H - Cross-Se	ctions		\$41.77	64	\$2,673	\$4,948	\$28	\$0		\$764	\$8,414
2.1.A.I - Mapping	er Public Involvement		\$40.51 \$50.48	32 16	\$1,296 \$808	\$2,399	\$14 \$8	\$0 \$0		\$371 \$231	\$4,080 \$2,542
2.1.A.K - Prepare F			\$50.48	224	\$9,388	\$1,495 \$17,379	\$8	\$0 \$0		\$231 \$2,685	\$2,542 \$29,550
Z.T.A.IX - T Topare T	TOTAL 2.1 - Develop Preliminary Alternatives		\$42.30	604	\$25,550	\$47,298	\$268	\$0	\$0	\$7,307	\$80,424
2.3 - AER Design											
2.3.A - Field Survey ar	nd Aerial Mapping										
	ontrol, Benchmarks, and Reference Points										
	"B" Monument Specified		\$40.28	40	\$1,611	\$2,983	\$17	\$23		\$461	\$5,095
2.3.A.B - Monumen					. ,	. ,					,
	ing Centerline and R/W		\$40.28	26	\$1,047	\$1,939	\$11	\$23		\$299	\$3,320
	erty Lines (Used on projects with additional R/W		\$38.62	200	\$7,725	\$14,300	\$81	\$0		\$2,209	\$24,315
	oping (incl. field verify.)										
2.3.A.C.2 - R/W			\$37.52	120	\$4,502	\$8,335	\$47	\$93		\$1,288	\$14,265
2.3.A.E - Bridge Su			\$32.00	8	\$256	\$474	\$3	\$0		\$73	\$806
	property lines, tax id, & ownerships on base map		\$38.62	40	\$1,545	\$2,860	\$16	\$0		\$442	\$4,863
2.3.A.G - Property (Owner Notification		\$33.51	22	\$737	\$1,365	\$8	\$0		\$211	\$2,320
2.3.D - Traffic Control											
2.3.D.A - Document	tation of Proprietary Bid Justification – Signals		\$48.08	4	\$192	\$356	\$2	\$0		\$55	\$605

C-R-S	MOT-CLYO/DIMCO WAY IMPROVEMENTS			PF	ROPOS	AL COS	T SUM	MARY	7		Version: Sept 2021
Consultant:	TEC ENGINEERING, INC.										
Agreement No.	-			State Average Overl	nead Rate		159.98%				
Modification No.	-			Consultant Overhea			185.12%				
PID No.	119553			Cost of Money:			1.05%				
Proposal Date	7/26/2024			Net Fee Percentage:			11%				
Froposal Date	7/20/2024	No. of	Average	Net ree Percentage.			1170				
		Units	Hourly	Total	Labor	Overhead	Cost of	Direct	Subcon	Net	Total
Task Description			Rate	Hours	Costs	Costs	Money	Costs	Costs	Fee	Cost
2.3.E - Signals & ITS											
2.3.E.A - Signal War	rrant Analysis		\$48.08	3	\$144	\$267	\$2	\$0		\$41	\$454
2.3.G - Utilities											
	rdination and Documentation		\$33.20	20	\$664	\$1,229	\$7	\$0		\$190	\$2,090
2.3.H - Miscellaneous	5544.6										
2.3.H.A - Identify and	d coordinate impacts on FEMA flood zones		\$48.08	10	\$481	\$890	\$5	\$0		\$137	\$1,513
	TOTAL 2.3 - AER Design		\$38.35	493	\$18,905	\$34,997	\$199	\$139	\$0	\$5,406	\$59,646
2.4 - Propare Cost Estim	atos										
2.4 - Prepare Cost Estim					A==:	A4.5==					40
2.4.A - Roadway/Interc		\vdash	\$41.88	18	\$754	\$1,396	\$8	\$0	40.505	\$216	\$2,373
2.4.B - Right of Way Co			\$52.88	2	\$106	\$196	\$1	\$0	\$6,500	\$30	\$6,833
	TOTAL 2.4 - Prepare Cost Estimates		\$42.98	20	\$860	\$1,591	\$9	\$0	\$6,500	\$246	\$9,206
2.7 - Stage 1 Design											
2.7.A - Roadway 2.7.A.A - Title Sheet			040.00	0	0044	0007	0.4	00		#00	04.004
2.7.A.B - Schematic			\$43.03	8	\$344	\$637	\$4	\$0		\$98	\$1,084
2.7.A.B - Schematic			\$48.56	26	\$1,263	\$2,337	\$13	\$0		\$361	\$3,974
			\$48.08	4	\$192	\$356	\$2	\$0		\$55	\$605
2.7.A.E - Typical Sec 2.7.A.F - Cross Sect			\$43.03	20	\$861	\$1,593	\$9	\$0		\$246	\$2,709
2.7.A.G - Plan and F			\$41.35	300	\$12,404	\$22,962	\$130	\$0 \$0		\$3,547 \$982	\$39,044 \$10,805
2.7.A.H - Plan and P			\$40.87	84 84	\$3,433	\$6,355	\$36 \$36	\$0 \$0		\$982	
2.7.A.K - Intersection			\$40.87 \$43.03	48	\$3,433 \$2,065	\$6,355 \$3,824	\$30 \$22	\$0 \$0		\$982 \$591	\$10,805 \$6,501
2.7.A.L - Curb Ramp			\$43.03	24	\$2,065	\$3,824	\$22 \$11	\$0 \$0		\$295	\$3,251
2.7.A.N - Driveway I			\$43.03	30	\$1,033	\$2,390	\$14	\$0		\$369	\$4,063
2.7.A.P - Traffic Cor			\$43.03	24	\$1,033	\$2,390	\$11	\$0		\$295	\$3,251
2.7.B - Drainage	iu oi		\$43.03	24	\$1,033	\$1,912	\$11	ΦΟ		\$295	φ3,231
2.7.B.A - Storm Sew	ver Profiles		\$48.08	50	\$2,404	\$4,450	\$25	\$0		\$687	\$7,567
	e Calculations - Ditches		\$42.02	40	\$1,681	\$3,111	\$18	\$0		\$481	\$5,291
	e Calculations - Storm Sewer/Inlet Spacing		\$42.02	40	\$1,681	\$3,111	\$18	\$0		\$481	\$5,291
2.7.B.E - BMP Design			\$43.03	32	\$1,377	\$2,549	\$14	\$0		\$394	\$4,334
2.7.C - Utilities	y		ψ+0.03	32	ψ1,377	Ψ2,343	Ψ14	φυ		Ψ094	Ψ-,ΟΟ4
	rdination and Documentation		\$50.48	12	\$606	\$1,121	\$6	\$0		\$173	\$1,907
	es to Plan/Profile Sheets		\$48.08	15	\$721	\$1,335	\$8	\$0		\$206	\$2,270
2.7.D - Geotechnical Se			Ţ.3.00	.5	4.21	\$ 1,000	43	43		4200	\$2,210
	cal Services and Report (MSG)			0	\$0	\$0	\$0	\$0	\$35,533	\$0	\$35,533
	st Estimates and Update Milestones				70	Ju	+3	7,5	,	7.0	, , , , , , , , , , , , , , , , , , ,
2.7.H.A - Roadway/I			\$43.03	36	\$1,549	\$2,868	\$16	\$0		\$443	\$4,876
2.7.J - Maintenance of	Traffic					. ,					
2.7.J.A - Detour Plan	n		\$48.08	16	\$769	\$1,424	\$8	\$0		\$220	\$2,421
2.7.J.C - Conceptua	I MOT Revision		\$48.08	12	\$577	\$1,068	\$6	\$0		\$165	\$1,816
2.7.J.D - MOT Coord	dination Discussions		\$50.48	28	\$1,413	\$2,617	\$15	\$0		\$404	\$4,449
	TOTAL - 2.7 - Stage 1 Design		\$43.01	933	\$40,129	\$74,287	\$421	\$0	\$35,533	\$11,476	\$161,847
2.8 - Project Managemen	nt for Preliminary Engineering Phase										
2.8.A - Meetings			\$60.44	14	\$846	\$1,566	\$9	\$0		\$242	\$2,663
2.8.B - General Oversig	ght		\$62.50	110	\$6,875	\$12,727	\$72	\$123		\$1,966	\$21,763
	TOTAL 2.8 - Project Management for		\$62.27	124	\$7,721	\$14,293	\$81	\$123	\$0	\$2,208	\$24,427
	Total - 2 Preliminary Engineering Phase		\$42.85	2174	\$93,165	\$172,467	\$978	\$262	\$42,033	\$26,643	\$335,549

C-R-S	MOT-CLYO/DIMCO WAY IMPROVEMENTS			PI	ROPOS	AL COS	T SUN	IMARY	,		Version: Sept 2021
Consultant:	FEC ENGINEERING, INC.										
Agreement No.	-			State Average Over	head Rate		159.98%				
Modification No.	-			Consultant Overhea			185.12%				
	19553			Cost of Money:	.a.rtato.		1.05%				
	7/26/2024			Net Fee Percentage			11%				
1 Toposai Bate	12012024		Average	Ī							
Task Description		Units	Hourly Rate	Total Hours	Labor	Overhead Costs	Cost of Money	Direct	Subcon	Net Fee	Total Cost
3 - Environmental E	ingineering Phase			Hours	Costs	Costs	Wioney	Costs	Costs	100	Cost
	ingineering Phase										
3.3 - Stage2											
3.3.A - Roadway				_							
3.3.A.A - Title Sheet			\$43.03	6	\$258	\$478	\$3	\$0		\$74	\$813
3.3.A.B - Schematic	_		\$48.56	6	\$291	\$539	\$3	\$0		\$83	\$917
3.3.A.D - General Note			\$43.03	16	\$688	\$1,275	\$7	\$0		\$197	\$2,167
3.3.A.E - Typical Section			\$43.03	8	\$344	\$637	\$4	\$0		\$98	\$1,084
3.3.A.F. Plan and Prof			\$43.03	60	\$2,582	\$4,779	\$27	\$0		\$738	\$8,127
3.3.A.G - Plan and Pro			\$41.35	36	\$1,488	\$2,755	\$16	\$0		\$426	\$4,685
3.3.A.I - Cross Section			\$41.35	150	\$6,202	\$11,481	\$65	\$0		\$1,774	\$19,522
3.3.A.J Intersection D			\$48.08	32	\$1,539	\$2,848	\$16	\$0		\$440	\$4,843
3.3.A.L- Curb Ramp De	etalis		\$48.08	8	\$385	\$712	\$4	\$0		\$110	\$1,211
3.3.B - Drainage	Drofiles		040.00	4.5		***	0.5	a -		A 10-	A4.5:=
3.3.B.A - Storm Sewer			\$48.08	12	\$577	\$1,068	\$6	\$0		\$165	\$1,816
3.3.B.D - Underdrain de 3.3.B.E - BMP Details	etails		\$48.08	25	\$1,202	\$2,225	\$13	\$0		\$344	\$3,784
			\$48.08	8	\$385	\$712	\$4	\$0		\$110	\$1,211
3.3.C - Traffic Control	L' Di										
3.3.C.A - Pavement Ma	arking Pian		\$48.08	30	\$1,442	\$2,670	\$15	\$0		\$412	\$4,540
3.3.C.B - Signing Plan	-#:-		\$48.08	30	\$1,442	\$2,670	\$15	\$0		\$412	\$4,540
3.3.E - Maintenance of Tra					****	* 7.40		**		2440	2121
3.3.E.A - MOT General 3.3.E.D - Temporary S			\$48.08	8	\$385	\$712	\$4	\$0		\$110	\$1,211
			040.00	0	0005	#740	0.4	00		0440	04.044
3.3.E.E - MOT Typical 3.3.E.F - MOT Plan Sh			\$48.08	8	\$385	\$712	\$4	\$0		\$110	\$1,211
	ignal Details (Modification of Existing or Proposed		\$42.47	180	\$7,644	\$14,151	\$80	\$0		\$2,186	\$24,062
	ary Signal Details (Modification of Existing or		040.00	40	04 704	00.400	040	\$0		0.400	05.440
3.3.J - Utilities	ary Signal Details (Modification of Existing of		\$43.03	40	\$1,721	\$3,186	\$18	\$0		\$492	\$5,418
	nation and Documentation		040.00	0.4	04.454	00.400	040	00		0000	#0.000
3.3.K - Geotechnical Serv			\$48.08	24	\$1,154	\$2,136	\$12	\$0		\$330	\$3,632
				0	ro.	CO	¢0	\$0	\$2,052	¢o.	#2.052
3.3.K.A - Finalize Geot	echnical Investigation and Report (MSG) TOTAL 3.3 - Stage2		\$43.84	687	\$0	\$0 \$55,749	\$0	\$0 \$0		\$0	\$2,052
	101AL 3.3 - 3tage2		\$43.84	007	\$30,115	\$55,749	\$316	\$0	\$2,052	\$8,612	\$96,844
3.4 - Right of Way Plans											
3.4.B - Preliminary Right of											
3.4.B.A - Legend Shee			\$35.31	10	\$353	\$654	\$4	\$0		\$101	\$1,112
3.4.B.B - Centerline Su			\$33.84	36	\$1,218	\$2,255	\$13	\$0		\$348	\$3,835
3.4.B.C - Property Map			\$34.55	26	\$898	\$1,663	\$9	\$0		\$257	\$2,827
3.4.B.D - Summary of I			\$48.56	24	\$1,165	\$2,157	\$12	\$0		\$333	\$3,668
3.4.B.E - ROW Detail S			\$38.90	144	\$5,602	\$10,370	\$59	\$0		\$1,602	\$17,632
	ptions and Closure Calculations		\$48.56	39	\$1,894	\$3,506	\$20	\$0		\$542	\$5,961
3.4.B.I - Field Review			\$35.31	10	\$353	\$654	\$4	\$23		\$101	\$1,135
3.4.C - Final Right of Way											
	Way Plan Sheets and Legal Descriptions		\$44.42	24	\$1,066	\$1,974	\$11	\$100		\$305	\$3,456
	& Verify Property Owners		\$37.52	12	\$450	\$833	\$5	\$0		\$129	\$1,417
	erline Plat and all appropriate documents		\$48.56	16	\$777	\$1,438	\$8	\$0		\$222	\$2,446
3.4.C.D - Set R/W Pins			\$38.21	16	\$611	\$1,132	\$6	\$0		\$175	\$1,924
	TOTAL 3.4 - Right of Way Plans		\$40.30	357	\$14,388	\$26,636	\$151	\$123	\$0	\$4,115	\$45,413
3.8 - Prepare Cost Estimate	es and Revise Milestone										
3.8.A - Roadway/Interchar			\$42.66	30	\$1,280	\$2,369	\$13	\$0		\$366	\$4,028
	.8 - Prepare Cost Estimates and Revise Milestone		\$42.66	30	\$1,280	\$2,369	\$13	\$0	\$0	\$366	\$4.028

C-R-S	MOT-CLYO/DIMCO WAY IMPROVEMENTS			PROPOS	AL COS	T SUM	MARY	<u> </u>		Version: Sept 2021
Consultant:	TEC ENGINEERING, INC.									
Agreement No.	-		State Average 0	Overhead Rate		159.98%				
Modification No.	-		Consultant Ove	rhead Rate:		185.12%				
PID No.	119553		Cost of Money:			1.05%				
Proposal Date	7/26/2024		Net Fee Percen	tage:		11%				
•		No. of Aver	-	Labor	Overhead	046	Direct	Subcon	Net	Total
Task Description		Ra	,	Costs	Costs	Cost of Money	Costs	Costs	Fee	Cost
2.0 Project Managemen	nt for Environmental Engineering Phase									
3.9.A - Meetings	int for Environmental Engineering Phase	\$62	FO .	12 \$750	\$1,388	\$8	\$0		\$214	\$2,361
3.9.B - General Oversi	inht	\$62		20 \$7,500	\$13,884	\$79	\$123		\$2,145	\$23,731
0.0.D Conordi Overei	TOTAL 3.9 - Project Management for			32 \$8,250	\$15,272	\$87	\$123	\$0	\$2,359	\$26,092
	Total A Francisco and Francisco and Black						***		415.154	
	Total - 3 Environmental Engineering Phase	\$44	80 120	96 \$54,033	\$100,026	\$567	\$246	\$2,052	\$15,452	\$172,377
4 - Final Engineer	ring and R/W Phase									
4.1 - Right of Way Acqui										
4.1.A - Right of Way A		-		0 \$0	\$0	\$0	\$0	\$125,450	\$0	\$125,450
4.1.7 Tagne of Way 7	TOTAL 4.1 - Right of Way Acquisition	-		0 \$0		\$0	\$0	\$125,450	\$0	\$125,450
4.2 - Stage 3 Detailed De	esign Plans									
4.2.A - Quantities and										
4.2.A.A - Pavement		\$44	71	12 \$537	\$993	\$6	\$0		\$153	\$1,689
4.2.A.B - Drainage		\$43		8 \$344	\$637	\$4	\$0		\$98	\$1,084
4.2.A.C - Roadway		\$44		20 \$881	\$1,631	\$9	\$0		\$252	\$2,772
4.2.A.E - Maintenan	nce of Traffic Subsummary	\$48	08	1 \$48	\$89	\$1	\$0		\$14	\$151
	Marking Subsummary	\$42		18 \$764	\$1,415	\$8	\$0		\$219	\$2,406
4.2.A.G - Signing St		\$42		18 \$764	\$1,415	\$8	\$0		\$219	\$2,406
4.2.A.M - General S		\$43		40 \$1,721	\$3,186	\$18	\$0		\$492	\$5,418
4.2.A.P - General N	lotes TOTAL 4.2 - Stage 3 Detailed Design Plans	\$48 \$43		12 \$577 29 \$5,637	\$1,068 \$10,435	\$6 \$59	\$0 \$0	\$0	\$165 \$1,612	\$1,816 \$17,743
	•	\$43	70 12	29 \$5,637	\$10,435	\$59	\$0	\$0	\$1,012	\$17,743
	nates and Revise Milestone									
4.3.A - Roadway/Interd	change Costs L 4.3 - Prepare Cost Estimates and Revise Milestone	\$44 \$44		32 \$1,417 32 \$1,417	\$2,624 \$2,624	\$15 \$15	\$0 \$0	\$0	\$405 \$405	\$4,461 \$4,461
		944	29 .	32 φ1,41 <i>1</i>	\$2,024	ψIJ	φυ	φυ	φ403	94,40
4.4 - Final Plan Package		642	02	24 \$1,033	£4.040	C14	\$100		\$295	62.25
4.4.A - Submission of F	Final Tracings and Documentation 4.4 - Final Plan Package	\$43 \$43		24 \$1,033 24 \$1,033	\$1,912 \$1,912	\$11 \$11	\$100 \$100	\$0	\$295 \$295	\$3,351 \$3,351
4.5. Duningt Management	Ţ.	Ų.0		ψ1,000	ψ1,01 <u>2</u>	V.	V.00		\$200	\$0,00
4.5 - Project Management 4.5.A - Meetings	nt for Final Engineering and Right of Way Phase	\$62	50	6 \$375	\$694	\$4	\$0		\$107	\$1,180
4.5.B - General Oversi	iaht	\$72		24 \$1,731	\$3,204	\$4 \$18	\$23		\$107 \$495	\$1,180
	Management for Final Engineering and Right of Way	\$70		30 \$2,106	\$3,898	\$22	\$23	\$0	\$602	\$6,652
4.6 - Pre-Bid Activities										
4.6.A - Pre-Bid Question		\$62	50	8 \$500	\$926	\$5	\$0		\$143	\$1,574
	TOTAL 4.6 - Pre-Bid Activities	\$62	50	8 \$500	\$926	\$5	\$0	\$0	\$143	\$1,574
	TOTAL - Final Engineering Phase	\$47	95 22	23 \$10,693	\$19,794	\$112	\$123	\$125,450	\$3,058	\$159,230
5 - Construction										
	es during Construction									
	ervices During Construction	\$45		20 \$900	\$1,666	\$9	\$0		\$257	\$2,833
TO	OTAL 5.1 - On-going Services during Construction	\$45	00 2 10 of 3	20 \$900	\$1,666	\$9	\$0		\$257	\$2,833

C-R-S	MOT-CLYO/DIMCO WAY IMPROVEMENTS			Р	ROI	POS	AL CC	ST SUI	MMAR	Y		Version: Sept 2021
Consultant:	TEC ENGINEERING, INC.											
Agreement No.	-			State Average Ove	erhead Ra	ate		159.98%				
Modification No.	-			Consultant Overh				185.12%				
PID No.	119553			Cost of Money:				1.05%				
Proposal Date	7/26/2024			Net Fee Percentage	٦٥.			11%				
1 Toposui Dute	112012024	No. of	Average	Net i ee i ercentaç				1170				
		Units	Hourly	Total	Lat	bor	Overhead	Cost of	Direct	Subcon	Net	Total
Task Description		 	Rate	Hours	Cos	sts	Costs	Money	Costs	Costs	Fee	Cost
	TOTAL - Construction Phase		\$45.00	20		\$900	\$1,66	66 \$9	\$0	\$0	\$257	\$2,833
	TOTAL AUTHORIZED PARTS		\$43.87	3779	\$ 16	65,774	\$ 306,88	1 \$ 1,741	\$ 2,628	\$ 169,535	\$ 47,408	\$ 693,967
IF-AUTHORIZED TA	ACKC.											
Certified Traffic	A3N3											
	raffic Feasible (Build) Alternative(s)		\$42.82	120		\$5,138	\$9,5	12 \$54	\$0		\$1,469	\$16,174
Additional Environme	. , , , , , , , , , , , , , , , , , , ,						7-1-				. ,	
2.2.C - Ecological Su	rvey Report - Level 1			0		\$0		\$0 \$0	\$0	\$5,353	\$0	\$5,353
Permit Determination				0		\$0		\$0 \$0	\$0	\$2,614	\$0	\$2,614
3.1.M - Waterway Pe	rmit - Section 404			0		\$0		\$0 \$0	\$0	\$4,435	\$0	\$4,435
Water and Sanitary D	esign											
2.7.C.B - Description	n of proposed water and/or sewer work		\$50.48	18		\$909	\$1,6	32 \$10	\$0		\$260	\$2,860
3.3.J.B - Water Wor	ks Plan		\$44.69	108		\$4,827	\$8,9	36 \$51	\$0		\$1,380	\$15,194
3.3.J.C - Water Wor	rks Details & Notes		\$44.27	48		\$2,125	\$3,9	34 \$22	\$0		\$608	\$6,689
3.3.J.D - Sanitary Se	ewer Plans		\$45.25	36		\$1,629	\$3,0	15 \$17	\$0		\$466	\$5,127
Lighting Design												
2.7.I - Lighting Plans			\$41.09	13		\$534	\$9	39 \$6	\$0		\$153	\$1,681
3.3.F - Lighting Plan												
3.3.F.A - Lighting Ar			\$40.67	30		\$1,220	\$2,2	59 \$13	\$0		\$349	\$3,841
3.3.F.B - Power/Circ			\$40.38	21		\$848	\$1,5				\$243	\$2,669
3.3.F.C - Lighting PI			\$40.26	31		\$1,248	\$2,3		· · · · · · · · · · · · · · · · · · ·		\$357	\$3,929
3.3.F.D - Voltage Dr			\$40.73	11		\$448	\$8				\$128	\$1,410
3.3.F.E - Power Ser			\$37.98	9		\$342	\$6				\$98	\$1,076
4.2.A.K - Lighting St			\$41.83	21		\$878	\$1,6				\$251	\$2,765
4.2.A.R - Lighting N	otes		\$40.87	28		\$1,144	\$2,1	18 \$12	\$0		\$327	\$3,602
4.2.E - Lighting Plans	. "				I							
4.2.E.A - Lighting De			\$41.35	24		\$992	\$1,8	37 \$10	\$0		\$284	\$3,124
Traffic Signal Design												****
2.7.K - Signal Plans			\$40.00	15		\$600	\$1,1	11 \$6	\$0		\$172	\$1,889
3.3.D - Signals & ITS	n Chasta		040.50			00.046		40			4070	07.00
3.3.D.A - Signal Plat 3.3.D.B - Interconne			\$43.50	54 16		\$2,349	\$4,3 \$1,3				\$672 \$208	\$7,394
4.2.A.H - Signal Sub		-	\$45.43 \$41.77	32		\$727 \$1,337	\$1,3 \$2,4		· ·		\$208	\$2,288 \$4,207
4.2.B - Traffic Signal Pl			Φ41.//	32		φ1,337	φ2,4	514	· \$0	'	φ38Z	φ 4 ,207
	gram & pole orientation		\$39.90	21		\$838	\$1,5	51 \$9	\$0		\$240	\$2,638
4.2.B.B - Timing Ch			\$42.73	17		\$726	\$1,3				\$240	\$2,036
	Views of Mast Arm Poles		\$41.65	11		\$458	\$1,3		· ·		\$131	\$1,442
4.2.B.D - Traffic Sig			\$40.51	8		\$324	\$6				\$93	\$1,020
	TOTAL IF-AUTHORIZED PARTS		\$42.84	692	\$	\$29,642	\$54,87	' 4 \$311	\$0	\$12,402	\$8,477	\$105,707
	CDAND TOTAL						****		40.555	0404	A ==	.=
	GRAND TOTAL	I]	4471	\$1	195,417	\$361,7	55 \$2,052	\$2,628	\$181,937	\$55,885	\$799,674

C-R-S	MOT-CLYO/DIMCO WAY IMPROVEMENTS				DIRE	CT C	OST	3			Version: Sept 2021
Consultant:	TEC ENGINEERING, INC.										
Agreement No.	-		8								
Modification No.	-		Pro								
PID No.	119553		Ħ	vo.	4	st 5	9 ts	t 7	80	o #	
Proposal Date	7/26/2024	Φ	S	Prints	ő	ő	ő	ő	ő	Ö	
Proposal Date	1/20/2024	age	£	<u> </u>	ot o	oct (o to	ot 0	o t	oct	<u>~</u>
		Mileage	Traffic Count Proce	Plan	Direct Cost 4	Direct Cost 5	Direct Cost	Direct Cost 7	Direct Cost 8	Direct Cost 9	Total
Task Description	Unit Cost:	\$0.58	\$30.00	\$100.00							
AUTHORIZED '	TASKS:										
1 - Planning F	Phase										
		Units	Units	Units	Units	Units	Units	Units	Units	Units	\$
	Research and Analysis										
1.3.B - Crash Ana											\$0.0
1.3.C - Traffic Co									1	T.	
	ing Movement Counts at Intersections - No Build	40	65								\$1,973.2
	nine Counts on Roadways and Ramps - No Build	40									\$23.2
	minary Coordination Meeting for Traffic Modeling										\$0.0
	Level Traffic - No Build Condition										\$0.00
	Analysis - No Build Condition alysis - No Build Condition										\$0.00
1.3.G - Salety An	TOTAL 1.3 - Existing Data, Research and Analysis	80	65	0	0	0	0	0	0	0	\$0.00
	TOTAL 1.0 - Existing Data, Research and Analysis	00	03	U	U	U	U	U	U		\$1,996.40
	gement for Planning Phase										
1.5.C - Project Se											\$0.00
	TOTAL 1.5 - Project Management for Planning Phase	0	0	0	0	0	0	0	0	0	\$0.00
	TOTAL 1- Planning Phase	80	65	0	0	0	0	0	0	0	###########
	y Engineering Phase										
	minary Alternatives										
	nd Complete Feasibility Study Report										
	sing I awal Traffic for Foreible (Duild) Alternatives										
	ning Level Traffic for Feasible (Build) Alternatives										
2.1.A.C - Capa	acity Analysis Feasible (Build) Alternative(s)										\$0.00
2.1.A.C - Capa 2.1.A.D - Safe	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s)										\$0.00 \$0.00
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level										\$0.00 \$0.00 \$0.00
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field 2.1.A.F - Typic	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level cal Section										\$0.00 \$0.00 \$0.00 \$0.00
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field 2.1.A.F - Typic 2.1.A.G - Preli	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level sal Section minary Alignment and Profile										\$0.00 \$0.00 \$0.00 \$0.00
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field 2.1.A.F - Typic 2.1.A.G - Preli 2.1.A.H - Cros	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level al Section minary Alignment and Profile s-Sections										\$0.00 \$0.00 \$0.00 \$0.00 \$0.00
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field 2.1.A.F - Typic 2.1.A.G - Preli 2.1.A.H - Cros 2.1.A.I - Mapp	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level cal Section minary Alignment and Profile s-Sections ing										\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field 2.1.A.F - Typic 2.1.A.G - Preli 2.1.A.H - Cros 2.1.A.I - Mapp 2.1.A.J - Stake	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level cal Section minary Alignment and Profile s-Sections ing cholder Public Involvement										\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field 2.1.A.F - Typic 2.1.A.G - Preli 2.1.A.H - Cros 2.1.A.I - Mapp 2.1.A.J - Stake	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level cal Section minary Alignment and Profile s-Sections ing	0	0	0	0	0	0	0	0	0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.F - Field 2.1.A.F - Typic 2.1.A.G - Preli 2.1.A.H - Cros 2.1.A.J - Mapp 2.1.A.J - Stake 2.1.A.K - Prep	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level cal Section minary Alignment and Profile s-Sections ing cholder Public Involvement are Feasibility Study	0	0	0	0	0	0	0	0	0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field 2.1.A.F - Typic 2.1.A.G - Preli 2.1.A.H - Cros 2.1.A.J - Stake 2.1.A.J - Stake 2.1.A.K - Prep	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level cal Section minary Alignment and Profile s-Sections ing sholder Public Involvement are Feasibility Study TOTAL 2.1 - Develop Preliminary Alternatives	0	0	0	0	0	0	0	0	0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field 2.1.A.F - Typic 2.1.A.G - Preli 2.1.A.H - Cros 2.1.A.J - Stake 2.1.A.J - Stake 2.1.A.K - Prep 2.3.A.Field Surv	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level aal Section minary Alignment and Profile s-Sections ing eholder Public Involvement are Feasibility Study TOTAL 2.1 - Develop Preliminary Alternatives rey and Aerial Mapping	0	0	0	0	0	0	0	0	0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field 2.1.A.F - Typic 2.1.A.G - Preli 2.1.A.H - Cros 2.1.A.I - Mapp 2.1.A.J - Stake 2.1.A.K - Prep 2.3 - AER Design 2.3.A - Field Surv 2.3.A - Proje	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level al Section minary Alignment and Profile s-Sections ing beholder Public Involvement are Feasibility Study TOTAL 2.1 - Develop Preliminary Alternatives rey and Aerial Mapping act Control, Benchmarks, and Reference Points		0	0	0	0	0	0	0	0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field 2.1.A.F - Typic 2.1.A.G - Preli 2.1.A.H - Cros 2.1.A.J - Stake 2.1.A.J - Stake 2.1.A.K - Prep 2.3.A - Field Surv 2.3.A.A - Proje 2.3.A.A.2 - 2.3.A.A.2 - 2.3.A.A.2 - 2.3.A.A.2	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level asial Section minary Alignment and Profile s-Sections ing eholder Public Involvement are Feasibility Study TOTAL 2.1 - Develop Preliminary Alternatives rey and Aerial Mapping act Control, Benchmarks, and Reference Points Type "B" Monument Specified	0 40	0	0	0	0	0	0	0	0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field 2.1.A.F - Typic 2.1.A.G - Preli 2.1.A.H - Cros 2.1.A.J - Stake 2.1.A.K - Prep 2.3.A - Field Surv 2.3.A.A - Proje 2.3.A.A - Proje 2.3.A.B - Monu	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level acial Section minary Alignment and Profile s-Sections ing sholder Public Involvement are Feasibility Study TOTAL 2.1 - Develop Preliminary Alternatives rey and Aerial Mapping ext Control, Benchmarks, and Reference Points Type "B" Monument Specified umentation recovery	40	0	0	0	0	0	0	0	0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.F - Field 2.1.A.F - Typic 2.1.A.G - Preli 2.1.A.H - Cros 2.1.A.J - Stake 2.1.A.K - Prep 2.3.A - Field Surv 2.3.A Proje 2.3.A. 2 - 2.3.A.B - Monu 2.3.A.B Monu 2.3.A.B Monu	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level cal Section minary Alignment and Profile s-Sections ing sholder Public Involvement are Feasibility Study TOTAL 2.1 - Develop Preliminary Alternatives rey and Aerial Mapping sect Control, Benchmarks, and Reference Points Type "B" Monument Specified umentation recovery Existing Centerline and R/W		0	0	0	0	0	0	0	0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field 2.1.A.F - Typic 2.1.A.G - Preli 2.1.A.H - Cros 2.1.A.I - Mapp 2.1.A.J - Stake 2.1.A.K - Prep 2.3 - AER Design 2.3.A Proje 2.3.A.A - Proje 2.3.A.A.2 - 2.3.A.B - Mont 2.3.A.B - Land 2.3.A.B -	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level al Section minary Alignment and Profile s-Sections ing sholder Public Involvement are Feasibility Study TOTAL 2.1 - Develop Preliminary Alternatives rey and Aerial Mapping sect Control, Benchmarks, and Reference Points Type "B" Monument Specified umentation recovery Existing Centerline and R/W Property Lines (Used on projects with additional R/W	40	0	0	0	0	0	0	0	0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field 2.1.A.F - Typic 2.1.A.G - Preli 2.1.A.H - Cros 2.1.A.I - Mapp 2.1.A.J - Stake 2.1.A.K - Prep 2.3.A - Field Surv 2.3.A.A - Proje 2.3.A.B Mont 2.3.A.B.1 - 2.3.A.B.1 - 2.3.A.B.2 -	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level aial Section minary Alignment and Profile s-Sections ing beholder Public Involvement are Feasibility Study TOTAL 2.1 - Develop Preliminary Alternatives rey and Aerial Mapping act Control, Benchmarks, and Reference Points Type "B" Monument Specified umentation recovery Existing Centerline and R/W Property Lines (Used on projects with additional R/W Mapping (incl. field verify.)	40 40	0	0	0	0	0	0	0	0	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field 2.1.A.F - Typic 2.1.A.H - Cros 2.1.A.H - Cros 2.1.A.J - Stake 2.1.A.K - Prep 2.3.A - Field Surv 2.3.A.A - Proje 2.3.A.B.1 - 2.3.A.B.1 - 2.3.A.B.2 - 2.3.A.C.2 -	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level asial Section minary Alignment and Profile s-Sections ing eholder Public Involvement are Feasibility Study TOTAL 2.1 - Develop Preliminary Alternatives rey and Aerial Mapping act Control, Benchmarks, and Reference Points Type "B" Monument Specified umentation recovery Existing Centerline and R/W Property Lines (Used on projects with additional R/W Mapping (incl. field verify.) R/W Project	40	0	0	0	0	0	0	0	0	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field 2.1.A.F - Typic 2.1.A.G - Preli 2.1.A.H - Cros 2.1.A.J - Stake 2.1.A.K - Prep 2.3.A - Field Surv 2.3.A.A - Proje 2.3.A.B - Mont 2.3.A.B.1 - 2.3.A.B.2 - 2.3.A.C - Base 2.3.A.C - Base 2.3.A.C - Drair	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level asial Section minary Alignment and Profile s-Sections ing sholder Public Involvement are Feasibility Study TOTAL 2.1 - Develop Preliminary Alternatives rey and Aerial Mapping act Control, Benchmarks, and Reference Points Type "B" Monument Specified umentation recovery Existing Centerline and R/W Property Lines (Used on projects with additional R/W e Mapping (incl. field verify.) R/W Project mage Survey (stream cross sections)	40 40	0	0	0	0	0	0	0	0	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field 2.1.A.F - Typic 2.1.A.G - Preli 2.1.A.H - Cros 2.1.A.I - Mapp 2.1.A.J - Stake 2.1.A.K - Prep 2.3.A.F - Proje 2.3.A.A - Proje 2.3.A.A - Proje 2.3.A.B - Mont 2.3.A.B - Base 2.3.A.C - Base 2.3.A.D - Drair 2.3.A.E - Bridg	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level al Section minary Alignment and Profile s-Sections ing sholder Public Involvement are Feasibility Study TOTAL 2.1 - Develop Preliminary Alternatives rey and Aerial Mapping act Control, Benchmarks, and Reference Points Type "B" Monument Specified Imentation recovery Existing Centerline and R/W Property Lines (Used on projects with additional R/W e Mapping (incl. field verify.) R/W Project lage Survey (stream cross sections) lage Survey lag	40 40	0	0	0	0	0	0	0	0	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field 2.1.A.F - Typic 2.1.A.G - Preli 2.1.A.H - Cros 2.1.A.I - Mapp 2.1.A.J - Stake 2.1.A.K - Prep 2.3.A - Field Surv 2.3.A.A - Proje 2.3.A.A.2 - 2.3.A.B.1 - 2.3.A.B.1 - 2.3.A.B.1 - 2.3.A.C - Base 2.3.A.C - Drair 2.3.A.E - Bridg 2.3.A.E - Bridg 2.3.A.E - Bridg 2.3.A.E - Bridg	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level al Section minary Alignment and Profile s-Sections ing sholder Public Involvement are Feasibility Study TOTAL 2.1 - Develop Preliminary Alternatives rey and Aerial Mapping sect Control, Benchmarks, and Reference Points Type "B" Monument Specified umentation recovery Existing Centerline and R/W Property Lines (Used on projects with additional R/W Mapping (incl. field verify.) R/W Project ange Survey (stream cross sections) ge Survey blish property lines, tax id, & ownerships on base map	40 40	0	0	0	0	0	0	0	0	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2.1.A.C - Capa 2.1.A.D - Safe 2.1.A.E - Field 2.1.A.F - Typic 2.1.A.G - Preli 2.1.A.H - Cros 2.1.A.I - Mapp 2.1.A.J - Stake 2.1.A.K - Prep 2.3.A - Field Surv 2.3.A.A - Proje 2.3.A.A.2 - 2.3.A.B.1 - 2.3.A.B.1 - 2.3.A.B.1 - 2.3.A.C - Base 2.3.A.C - Drair 2.3.A.E - Bridg 2.3.A.E - Bridg 2.3.A.E - Bridg 2.3.A.E - Bridg	acity Analysis Feasible (Build) Alternative(s) ty Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level aial Section minary Alignment and Profile s-Sections ing eholder Public Involvement are Feasiblity Study TOTAL 2.1 - Develop Preliminary Alternatives rey and Aerial Mapping act Control, Benchmarks, and Reference Points Type "B" Monument Specified umentation recovery Existing Centerline and R/W Property Lines (Used on projects with additional R/W e Mapping (incl. field verify.) R/W Project nage Survey (stream cross sections) ge Survey plish property lines, tax id, & ownerships on base map erty Owner Notification	40 40	0	0	0	0	0	0	0	0	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0

C-R-S	MOT-CLYO/DIMCO WAY IMPROVEMENTS			Г	IRF	CT C	OST	<u> </u>			Version: Sept 2021
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Consultant:	TEC ENGINEERING, INC.		· · · · · ·								
Agreement No.	-		Proce								
Modification No.	-		ŧ		4	2	9	_	ω	စ	
PID No.	119553	_	ņ	nts	ost	ost	ost	ost	ost	ost	
Proposal Date	7/26/2024	age	ည္	Ē	5	5	5	5	5	5	_
		Mileage	Traffic Count	Plan Prints	Direct Cost 4	Direct Cost	Direct Cost 6	Direct Cost	Direct Cost	Direct Cost 9	Total
Task Description	Unit Cost:	\$0.58	\$30.00	\$100.00							<u> </u>
2.3.E - Signals & I		φ0.36	\$30.00	\$100.00							
	I Warrant Analysis										\$0.00
2.3.G - Utilities	Transit rulaly old										ψ0.00
	Coordination and Documentation										\$0.00
2.3.H - Miscellane											70.00
	fy and coordinate impacts on FEMA flood zones										\$0.00
	TOTAL 2.3 - AER Design	240	0	0	0	0	0	0	0	0	\$139.20
2.4 - Prepare Cost E											
2.4.A - Roadway/I											\$0.00
2.4.B - Right of W											\$0.00
	TOTAL 2.4 - Prepare Cost Estimates	0	0	0	0	0	0	0	0	0	\$0.00
0.7 Otana 4 Danisus											
2.7 - Stage 1 Design											
2.7.A - Roadway 2.7.A.A - Title S	Phont										#0.00
2.7.A.B - Scher											\$0.00 \$0.00
2.7.A.D - Gene											\$0.00
2.7.A.E - Typic											\$0.00
2.7.A.F - Cross											\$0.00
	and Profile - Mainline										\$0.00
	and Profile - Crossroads										\$0.00
2.7.A.K - Inters	ection Details										\$0.00
2.7.A.L - Curb I	Ramp Details										\$0.00
2.7.A.N - Drive											\$0.00
2.7.A.P - Traffic	c Control										\$0.00
2.7.B - Drainage								,	,	,	
	Sewer Profiles										\$0.00
	inage Calculations - Ditches										\$0.00
	inage Calculations - Storm Sewer/Inlet Spacing										\$0.00
2.7.B.E - BMP	Design										\$0.00
2.7.C - Utilities	Coordination and Documentation										\$0.00
	Jtilities to Plan/Profile Sheets										\$0.00
2.7.D - Geotechnic											φ0.00
	echnical Services and Report (MSG)										\$0.00
	2 Cost Estimates and Update Milestones										\$0.00
	way/Interchange Costs										\$0.00
2.7.J - Maintenand											
2.7.J.A - Detou											\$0.00
	eptual MOT Revision										\$0.00
2.7.J.D - MOT	Coordination Discussions										\$0.00
	TOTAL - 2.7 - Stage 1 Design	0	0	0	0	0	0	0	0	0	\$0.00
2.9 Project Manage	ement for Preliminary Engineering Phase										
2.8 - Project Manage 2.8.A - Meetings	ement for Premimary Engineering Phase										40.00
2.8.B - General O	versight	40		1							\$0.00 \$123.20
Z.U.D - General O	TOTAL 2.8 - Project Management for	40	0	1	0	0	0	0	0	0	\$123.20
	TOTAL 2.0 - 1 Toject management for	70	- 0	-	0						\$123.20
	Total - 2 Preliminary Engineering Phase	280	0	1	0	0	0	0	0	0	\$262.40
	Total - 2 i Tellilli <u>lal v Eligilieerilig i Hase</u>	200	U			<u> </u>	U	U	U	U	Φ202.4 U

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C-R-S	MOT-CLYO/DIMCO WAY IMPROVEMENTS			L	JIKE	CT C	0513	5			Sept 2021
Consultant:	TEC ENGINEERING, INC.										
Agreement No.	-		8								
Modification No.	-		Ē		4	2	9	_	ω	o	
PID No.	119553		oni	Jts	ost		ost	ost		ost	
Proposal Date	7/26/2024	age	ပ	P.	ŏ	Ž,	Ŏ,	Ŏ,	Ŏ,	Ŏ,	_
		Mileage	Traffic Count Proce	Plan Prints	Direct Cost 4	Direct Cost	Direct Cost	Direct Cost 7	Direct Cost	Direct Cost	Total
Task Description	Unit Cost:	\$0.58	\$30.00	\$100.00					_		
3 - Environme	ental Engineering Phase										
3.3 - Stage2											
3.3.A - Roadway											
3.3.A.A - Title \$											\$0.00
3.3.A.B - Sche											\$0.00
3.3.A.D - Gene											\$0.00
3.3.A.E - Typic	and Profile - Mainline										\$0.00
	and Profile - Crossroads										\$0.00 \$0.00
3.3.A.I - Cross											\$0.00
3.3.A.J - Inters											\$0.00
3.3.A.L- Curb F											\$0.00
3.3.B - Drainage											ψ0.00
	n Sewer Profiles										\$0.00
3.3.B.D - Unde	erdrain details										\$0.00
3.3.B.E - BMP	Details										\$0.00
3.3.C - Traffic Cor	ntrol										
	ment Marking Plan										\$0.00
3.3.C.B - Signi											\$0.00
3.3.E - Maintenan								1			
	General Notes										\$0.00
	porary Signing Details										
	Typical Sections										\$0.00
3.3.E.F - MOT											\$0.00
	porary Signal Details (Modification of Existing or Temporary Signal Details (Modification of Existing or								1	I	00.00
3.3.J - Utilities	Temporary Signal Details (Modification of Existing of										\$0.00
	Coordination and Documentation										\$0.00
3.3.K - Geotechni											\$0.00
	ize Geotechnical Investigation and Report (MSG)										\$0.00
	TOTAL 3.3 - Stage2	0	0	0	0	0	0	0	0	0	\$0.00
											, , , ,
3.4 - Right of Way P											
	y Right of Way Plans										
3.4.B.A - Leger										1	\$0.00
	erline Survey Plat										\$0.00
3.4.B.C - Prope	erty Map mary of Additional Right of Way										\$0.00
3.4.B.E - ROW											\$0.00
	I Descriptions and Closure Calculations										\$0.00 \$0.00
3.4.B.I - Field F		40									\$23.20
3.4.C - Final Right		70									φ23.20
	Right of Way Plan Sheets and Legal Descriptions			1							\$100.00
3.4.C.B - Field	Review & Verify Property Owners			•							\$0.00
3.4.C.C - Reco	ord Centerline Plat and all appropriate documents										\$0.00
	R/W Pins after acquisition										\$0.00
	TOTAL 3.4 - Right of Way Plans	40	0	1	0	0	0	0	0	0	\$123.20
	Estimates and Revise Milestone										
3.8.A - Roadway/I											\$0.00
TOTAL	L 3.8 - Prepare Cost Estimates and Revise Milestone	0	0	0	0	0	0	0	0	0	\$0.00

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C-R-S	MOT-CLYO/DIMCO WAY IMPROVEMENTS			L	JIKE	C I C	0313	•			Sept 2021
Consultant:	TEC ENGINEERING, INC.										
Agreement No.	-		90								
Modification No.	-		E E		4	2	9	_	00	0	
PID No.	119553		īno	nts	ost	ost	ost	ost	ost	ost	
Proposal Date	7/26/2024	age	ပို့	.E	ot C	ot O	0 to	0 t	ot O	0 to	_
		Mileage	Traffic Count Proce	Plan Prints	Direct Cost 4	Direct Cost	Direct Cost 6	Direct Cost 7	Direct Cost 8	Direct Cost 9	Total
Task Description	Unit Cost:	\$0.58	\$30.00	\$100.00							-
3.9 - Project Manage	ement for Environmental Engineering Phase										
3.9.A - Meetings											\$0.00
3.9.B - General O		40		1							\$123.20
	TOTAL 3.9 - Project Management for	40	0	1	0	0	0	0	0	0	\$123.20
	Total - 3 Environmental Engineering Phase	80	0	2	0	0	0	0	0	0	\$246.40
4 Final Facili	and a superior of the superior										
	neering and R/W Phase										
4.1 - Right of Way A 4.1.A - Right of W											\$0.00
4. I.A - Right of W	TOTAL 4.1 - Right of Way Acquisition	0	0	0	0	0	0	0	0	0	\$0.00
					Ū			0			ψ0.00
4.2 - Stage 3 Detaile	ed Design Plans										
4.2.A - Quantities	and Notes										
4.2.A.A - Pave	ment Subsummary										\$0.0
	age Subsummary										\$0.0
	way Subsummary										\$0.00
	enance of Traffic Subsummary ment Marking Subsummary										\$0.00 \$0.00
	ng Subsummary										\$0.00
	eral Summary Sheet										\$0.00
4.2.A.P - Gene											\$0.00
	TOTAL 4.2 - Stage 3 Detailed Design Plans	0	0	0	0	0	0	0	0	0	\$0.0
	Estimates and Revise Milestone										
4.3.A - Roadway/I				_							\$0.00
IOIAI	_ 4.3 - Prepare Cost Estimates and Revise Milestone	0	0	0	0	0	0	0	0	0	\$0.00
4.4 - Final Plan Paci											
4.4.A - Submissio	n of Final Tracings and Documentation			1							\$100.00
	4.4 - Final Plan Package	0	0	1	0	0	0	0	0	0	\$100.00
4.5 - Project Manag	ement for Final Engineering and Right of Way										<u> </u>
4.5.A - Meetings											\$0.00
4.5.B - General O		40		_							\$23.20
101AL 4.5 - Proj	ect Management for Final Engineering and Right of	40	0	0	0	0	0	0	0	0	\$23.20
4.6 - Pre-Bid Activit											40.0
4.6.A - Pre-Bid Qu	TOTAL 4.6 - Pre-Bid Activities	0	0	0	0	0	0	0	0	0	\$0.00 \$0.00
	TOTAL - Final Engineering Phase	40	0	1	0	0	0	0	0	0	\$123.20
	TOTAL -Final Engineering Fliase	40	0								\$123.20
5 - Constructi	on Phase										
	ervices during Construction										
5.1.A - On-goir	ng Services During Construction										\$0.0
TO	TAL 5.1 - On-going Services during Construction	0	0	0	0	0	0	0	0		0 \$0.00

C-R-S	MOT-CLYO/DIMCO WAY IMPROVEMENTS				DIRE	CT C	OSTS	3			Version: Sept 2021
Consultant:	TEC ENGINEERING, INC.										
Agreement No.	-		80								
Modification No.	-		Pr								
PID No.	119553		r i	ø	4 4	st 5	st 6	st 7	8 8	st 0	
Proposal Date	7/26/2024	Φ	ဝိ	ii.	ő	ő	ő	ő	ő	ő	
r ropodur Bato	TEGIEVET	Mileage	Traffic Count Proce	Plan Prints	Direct Cost 4	Direct Cost	Direct Cost	Direct Cost 7	Direct Cost	Direct Cost 9	Total
Task Description	Unit Cost:	\$0.58	\$30.00	\$100.00							-
	TOTAL - Construction Phase	#######	########	#######	########	########	########	#######	########	#######	\$0.0
	TOTAL AUTHORIZED PARTS	480	65	4	0	0	0	0	0	0	\$2,62
IF-AUTHORIZE	D TASKS:										
Certified Traffic	T. C. F. 31 (D.31) Alt. (1.7)										
	ied Traffic Feasible (Build) Alternative(s)										\$0.0
	onmental Support al Survey Report - Level 1										***
	al Survey Report - Level 1 lation Request (PDR)										\$0.0 \$0.0
	ay Permit - Section 404										\$0.0
Water and Sanita											\$0.0
	ription of proposed water and/or sewer work										\$0.0
3.3.J.B - Water											\$0.0
	Works Details & Notes										\$0.0
3.3.J.D - Sanita	ary Sewer Plans										\$0.0
Lighting Design											
2.7.I - Lighting Pla											\$0.0
3.3.F - Lighting Pla											
3.3.F.A - Lightir											\$0.0
	r/Circuit Layout & Details										\$0.0
	ng Plan and Details ge Drop Calculations										\$0.0 \$0.0
3.3.F.E - Powe											\$0.0
	ng Subsummary										\$0.0
4.2.A.R - Lightii											\$0.0
4.2.E - Lighting Pla											,,,,
4.2.E.A - Lightii											\$0.0
Traffic Signal Des	sign										
2.7.K - Signal Pl											\$0.0
3.3.D - Signals & I											
3.3.D.A - Signa											\$0.0
3.3.D.B - Interc											\$0.0
4.2.A.H - Signa	al Plans & ITS Plans										\$0.0
	g diagram & pole orientation										\$0.0
4.2.B.B - Timin											\$0.0
	tion Views of Mast Arm Poles										\$0.0
4.2.B.D - Traffic											\$0.0
	TOTAL IF-AUTHORIZED PARTS	0	0	0	0	0	0	0	0	0	\$0.0
	GRAND TOTAL	480	65	4	0	0	0	0	0	0	\$2,62

C-R-S	MOT-CLYO/DIMCO WAY IMPROVEMENTS		
Consultant:	TEC ENGINEERING, INC.		
Agreement No. Modification No.	-		
PID No.	119553	Sed	
Proposal Date	7/26/2024	oriz Z	
Task Descriptio	7/22/2024 n	If-Authorized	Narrative
1.3 - Existing Data, F	Research and Analysis		Add Narratives as needed here
1.3.B - Crash Anal	-		Identify any patterns based on crash data, AADT, or roadway characteristics (curvature, roadside barrier, signs and pavement markings) that should be noted. From this information, countermeasures can be selected and included in the project/feasibility study.
1.3.C - Traffic Counts			
1.3.C.A - Turnin	g Movement Counts at Intersections - No Build		13 hour Vehicle and Pedestrian Turning Movement Counts will be completed at the following project intersections for use in FS analysis and traffic projections: - Clyo & St. Leonard Access - Clyo & Dimco Way - Clyo & Quaker Way - Clyo & Quaker Court - Clyo & Franklin
1.3.C.B - Machi	ne Counts on Roadways and Ramps - No Build		Bi-directional Mechanical ADT counts will be collected at one location on Clyo Road within
	inary Coordination Meeting for Traffic Modeling		the project limits Preliminary Coordination Meeting to determine forecasting needs for the project.
1.3.D - Planning Le	evel Traffic - No Build Condition		TEC will use forecasting method determined in the coordination meeting to development future traffic. HCS will be used to analyze capacity for the No Build condition at the project intersection.
	nalysis - No Build Condition		OATS manual will be followed.
1.3.G - Safety Ana	lysis - No Build Condition		ECAT analysis for the No Build Conditions will be completed.
1.5 - Project Manage	ment for Planning Phase		
1.5.C - Project Set	Up		This task includes effort related to task development, allocated budget/ fee for various tasks along with the schedule to determine project resource needs and assignments. Prepaation and execution of subconsultant agreements.
2.1 - Develop Prelim	inary Alternatives		
	omplete Feasibility Study Report		
	ng Level Traffic for Feasible (Build) Alternatives		Incorporation of new Dimco Way traffic into the forecasting data and development of future traffic volumes HCS will be used to analyze capacity for the Build alternatives at the project intersection.
	ity Analysis Feasible (Build) Alternative(s)		OATS manual will be followed.
	Analysis for Feasible (Build) Alternative(s) Survey and Aerial Mapping - Planning Level		ECAT analysis for the Build Conditions will be completed. Intersection sight distance analysis will also be completed as a part of this task.
2.1.A.F - Typica	, , , , ,		intersection signit distance analysis will also be completed as a part of this task.
2.1.A.G - Prelim	inary Alignment and Profile		TEC will develop alternate alignments and intersection configurations (assumed 2 Clyo
2.1.A.H - Cross-	Sections		Road alignment options and 2 intersection configurations)
2.1.A.I - Mappin			
2.1.A.J - Stakeh	older Public Involvement		An enhanced mailing with public meeting-style materials shall prepared and sent to all potential stakeholders. Comments received from the public shall be provided to ODOT for inclusion in the Environmental Document.
2.1.А.К - Ргераі	re Feasibility Study		The required feasibility study will include roundabout and signalized options for the intersection. Additionally, the vertical alignment will need to be studied around the Southernmost portion of the route on Clyo Road. Underground utility work will be studied as well, including water main relocation and storm sewer installation. The alternatives in the Feasibility Study shall be evaluated for the ability to meet the purpose and need elements: safety and efficiency of turning movements and improved bicycle and pedestrian access. The alternative in the Feasibility Study shall also be evaluated on the ability to address key issues, including at a minimum: right of way impacts, utility impacts, drainage, visibility, constructability, public input, and cost.
2.2 AED Docian			
2.3 - AER Design 2.3.A - Field Survey a	nd Aerial Mapping		
2.3.A.A - Projec	t Control, Benchmarks, and Reference Points		
	nentation recovery		2500' of roadway with 10 parcels for property lines
2.3.A.C - Base I 2.3.D - Traffic Control	Mapping (incl. field verify.)		Topo survey and basemapping for full project limits.
	nentation of Proprietary Bid Justification – Signals		TEC will prepare the required request and justification letter for submission by the maintaining agency to the Office of Traffic Engineering (OTE) with a copy to the appropriate District. The request contents shall be in accordance with TEM, Section 120-4. This letter will cover properitary traffic signal items.
2.3.E - Signals & ITS	Marray Arabasis		
2.3.E.A - Signal 2.3.G - Utilities	Warrant Analysis		Signal warrant analysis for traffic signal option. To be used in feasibility study findings.
	Coordination and Documentation		Initial utility coordination activities.
2.3.H - Miscellaneous			
2.3.H.A - Identif	y and coordinate impacts on FEMA flood zones		TEC will analyze and document all proposed encroachments into FEMA flood zones.
2.4 - Prepare Cost E	stimates		
2.4.A - Roadway/Ir			Preliminary Roadway costs
2.4.B - Right of Wa	· ·		Preliminary ROW costs will be developed for each alternate for use in the feasibility study.
J	-		Sub consultant OR Colan will assist in ROW cost estimation.

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3.3.E - Maintenance of Traffic 3.3.E.A - MOT General Notes 3.3.E.E - MOT Typical Sections 3.3.E.F - MOT Plan Sheets 3.3.E.G - Temporary Signal Details (Modification of Existing or Proposed Signal) 3.3.E.G.1 - Temporary Signal Details (Modification of Existing or Proposed Signal) 3.3.J - Utilities 3.3.J.A - Utility Coordination and Documentation				Combined pavement marking and signage plan proposed.
3.3.E.A - MOT General Notes 3.3.E.F - MOT Typical Sections 3.3.E.F - MOT Plan Sheets Assume 3 MOT phases for construction 3.3.E.G - Temporary Signal Details (Modification of Existing or Proposed Signal) 3.3.E.G.1 - Temporary Signal Details (Modification of Existing or Proposed Signal) 3.3.J - Utilities 3.3.J.A - Utility Coordination and Documentation				
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3.3.J.A - Utility Coordination and Documentation	3.3.E.G.1 - Te			1 signal - 2 phases
	3.3.J - Utilities			
3.3.K - Geotechnical Services				
	3.3.K - Geotechnical S	ervices		

C-R-S	MOT-CLYO/DIMCO WAY IMPROVEMENTS		
Consultant:			
	TEC ENGINEERING, INC.		
Agreement No.	-		
Modification No.	-		
PID No.	119553	Ď	
Proposal Date	7/26/2024	f-Authorized	
	7/00/0004	重	
Taala Daaasisetia	7/22/2024	Ą	M =
Task Descriptio	ın .	_ ±	Narrative
3.3.K.A - Finaliz	e Geotechnical Investigation and Report (MSG)		MSG will submit final versions of the geotechnical report and Roadway soil profile sheets after addressing any comments regarding the draft submittals and making the appropriate revisions.
3.4 - Right of Way Pl	lans		
3.4.B - Preliminary Rig			
3.4.B.A - Legen			
	rline Survey Plat		-
3.4.B.C - Proper			-
	nary of Additional Right of Way		ROW plans will be developed per ODOT standards. Hours based on 13 total takes as
3.4.B.E - ROW	Detail Sheets		noted in the LPA scope. (3 permanent and 10 temporary).
	Descriptions and Closure Calculations		†
3.4.B.I - Field Re			1
3.4.C - Final Right of			<u> </u>
	Right of Way Plan Sheets and Legal Descriptions		
3.4.C.B - Field F	Review & Verify Property Owners		
	d Centerline Plat and all appropriate documents		
	W Pins after acquisition		
3.8 - Prepare Cost E	stimates and Revise Milestone		
3.8.A - Roadway/Ir			
3.9 - Project Manage	ement for Environmental Engineering Phase		
3.9.A - Meetings			Meetings throughout Environmental Engineering Phase
3.9.B - General Ov	rersight		Weekly and Monthly PM duties and subconsultant coordination. Client coordination – responding to email and phone requests from the client and client partners.
4.1 - Right of Way Ad	cauisition		
	ay Acquisition (OR Colan)		Acquistion costs based on 3 permanent and 10 temporary takes. Work to be completed by OR Colan.
4.2 Store 2 Detaile	d Decian Blane		
4.2 - Stage 3 Detailed			
	nent Subsummary		
	nge Subsummary		
	vay Subsummary enance of Traffic Subsummary		
4.2.A.F - Paverr 4.2.A.G - Signin	nent Marking Subsummary		
	g Subsummary ral Summary Sheet		
4.2.A.M - Gener			
4.Z.A.F - Gener	ai Notes	-	
4.3 - Prenare Cost F	stimates and Revise Milestone		
4.3.A - Roadway/Ir			
1.0.7 (Rodaway/II			
4.4 - Final Plan Pack	age		<u> </u>
	n of Final Tracings and Documentation		
Submission			
4.5 - Project Manage	ement for Final Engineering and Right of Way Phase		<u></u>
4.5.A - Meetings	J J J J J J J J J J J J J J J J J J J		Meetings throughout Final Engineering Phase
4.5.B - General Ov	versight		Weekly and Monthly PM duties and subconsultant coordination. Client coordination – responding to email and phone requests from the client and client partners.
4.6 - Pre-Bid Activitie			
4.6.A - Pre-Bid Que	estions		
	ces during Construction		
5.1.A - On-going	g Services During Construction		Shop drawing reviews

C-R-S	MOT-CLYO/DIMCO WAY IMPROVEMENTS		
Consultant:	TEC ENGINEERING, INC.		
Agreement No.	-		
Modification No.	-		
PID No.	119553	_	
Proposal Date	7/26/2024	zec	
r ropodur Buto	T/LO/LOZ-	f-Authorized	
	7/22/2024	Ħ	
Task Description	n	₹	Narrative
IF AUTHORIZED TAS			
2.1.A.B - Certifie	d Traffic Feasible (Build) Alternative(s)	х	Certified Traffic Development (if required)
2.2.C - Ecological S	Survey Report - Level 1 (Lawhon)	Х	Lawhon & Associates will copy a level 1 ecological survey report.
Permit Determination	on Request (PDR) (Lawhon)	х	This task will include preparation of the PDR package based upon Stage 2-level plans
	Permit - Section 404 NWP PCN (Lawhon)	X	with ecological resources identified.(Lawhon) This task involves preparation of a PCN if required.(Lawhon)
5. I.IVI - WaterWay F	- Cimil - Section 404 NVVP PON (Lawnon)	_ ^	This task involves preparation of a PCN if required.(Lawnon)
2.7 C.B Descri	ption of proposed water and/or sewer work	х	If authorized task for water and sanitary sewer relocation design
3.3.J.B - Water \		X	If authorized task for water relocation design
	Works Details & Notes	X	If authorized task for water relocation design
3.3.J.D - Sanitar	y Sewer Plans	х	If authorized task for sanitary sewer relocation design
2.7.I - Lighting Plan	is .	х	Intersection lighting plans will be developed for the final preferred alternative at the intersection of Clyo & Dimco Way plus limited lighting at Clyo & Quaker Court to maintain existing lighting.
3.3.F - Lighting Plan			
3.3.F.A - Lighting		X	Photometric analysis of intersection lighting at Clyo & Dimco and Clyo & Quaker Ct.
	Circuit Layout & Details g Plan and Details	X	
	g Plan and Details e Drop Calculations	X	
3.3.F.E - Power		x	
4.2.A.K - Lighting		X	
4.2.A.R - Lightin		X	
4.2.E - Lighting Plans	<u> </u>		
4.2.E.A - Lighting	g Details	Х	
2.7.K - Signal Plans	S	X	Time for traffic signal design work (if determined to be preferred option)
3.3.D - Signals & ITS	Diam Objects		
3.3.D.A - Signal 3.3.D.B - Interco		X	Time for traffic signal design work (if determined to be preferred option)
3.3.D.B - Interco 4.2.A.H - Signal		X	Time for traffic signal design work (if determined to be preferred option) Time for traffic signal design work (if determined to be preferred option)
4.2.B - Traffic Signal F			Time for traine signal design work (ii determined to be preferred option)
	diagram & pole orientation	Х	Time for traffic signal design work (if determined to be preferred option)
4.2.B.B - Timing		X	Time for traffic signal design work (if determined to be preferred option)
	on Views of Mast Arm Poles	X	Time for traffic signal design work (if determined to be preferred option)
42 D.D. Troffio	Signal Signs	х	Time for traffic signal design work (if determined to be preferred option)