



Sutha Vallipuram
Dynotec, Inc.
2931 East Dublin-Granville Road, Suite 200
Columbus, Ohio 43231-2098

Re: Modification (35923-2)
FRA-62-8.91
PID No. 114103
Complete Plans

Dear Mr. Vallipuram:

Reference is made to your proposal dated January 4, 2023, requesting compensation for the additional services required for completion of construction contract plans, future utility coordination and plan revisions, pre-bid activities, and on-going engineering services during construction for the storm sewer replacement along U. S. Route 62 for the subject project.

The State agrees that additional services are required and further agrees that this Modification represents an adjustment of prime compensation for an increase of Three Hundred Eighty-Nine Thousand Nine Hundred Twenty-Three Dollars (\$389,923.00), allocated to the following work items:

<u>Item</u>	<u>Lump Sum Fee</u>
Environmental Engineering thru Final Engineering	\$249,923.00
<u>Item</u>	<u>Maximum Fee</u>
Future Utility Coordination & Plan Revisions	\$80,000.00
Pre-Bid Activities	10,000.00
On-Going Services During Construction	50,000.00

Now, therefore, Project Development Process under Clause III - Prime Compensation of the prime Agreement, last modified by Modification (35923-1), is again modified to read as follows:

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"Part 1: Preliminary Engineering.

Actual costs plus a fixed fee of Thirty-One Thousand Eight Hundred Forty-Two Dollars (\$31,842.00). However, the maximum prime compensation shall not exceed Three Hundred Eighteen Thousand Eight Dollars (\$318,008.00).

Part 2: Subsurface Utility Location.

Actual costs; however, the maximum prime compensation shall not exceed Forty Thousand Two Hundred Ten Dollars (\$40,210.00).

Part 3: Temporary Signal Plans.

Actual costs; however, the maximum prime compensation shall not exceed Two Thousand Two Hundred Thirty-Eight Dollars (\$2,238.00).

Part 4: Environmental Engineering thru Final Engineering.

Lump sum compensation of Two Hundred Forty-Nine Thousand Nine Hundred Twenty-Three Dollars (\$249,923.00).

Part 5: Future Utility Coordination & Plan Revisions, As Needed.

Actual costs plus a fixed fee per hour worked as authorized for each Group delineated below. The maximum prime compensation shall not exceed Eighty Thousand Dollars (\$80,000.00). All costs shall be included in the maximum prime compensation.

Fixed Fees Per Hour Worked are established as follows:

Group	Fixed Fee
1	\$3.54
2	\$4.95
3	\$6.37
4	\$7.78
5	\$9.20
6	\$10.61
7	\$12.03
8	\$13.44

Group	Fixed Fee
9	\$14.86
10	\$16.27
11	\$17.69
12	\$19.10
13	\$20.52
14	\$21.93
15	\$23.35
16	\$24.76

Group	Fixed Fee
17	\$26.18
18	\$27.59
19	\$29.00
20	\$30.42
21	\$31.83
22	\$33.25
23	\$34.66
24	\$36.08

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Part 6: Pre-Bid Activities.

Actual costs plus a fixed fee per hour worked as authorized for each Group delineated below. The maximum prime compensation shall not exceed Ten Thousand Dollars (\$10,000.00). All costs shall be included in the maximum prime compensation.

Fixed Fees Per Hour Worked are established as follows:

Group	Fixed Fee
1	\$3.54
2	\$4.95
3	\$6.37
4	\$7.78
5	\$9.20
6	\$10.61
7	\$12.03
8	\$13.44

Group	Fixed Fee
9	\$14.86
10	\$16.27
11	\$17.69
12	\$19.10
13	\$20.52
14	\$21.93
15	\$23.35
16	\$24.76

Group	Fixed Fee
17	\$26.18
18	\$27.59
19	\$29.00
20	\$30.42
21	\$31.83
22	\$33.25
23	\$34.66
24	\$36.08

Part 7: On-Going Services During Construction.

Actual costs plus a fixed fee per hour worked as authorized for each Group delineated below. The maximum prime compensation shall not exceed Fifty Thousand Dollars (\$50,000.00). All costs shall be included in the maximum prime compensation.

Fixed Fees Per Hour Worked are established as follows:

Group	Fixed Fee
1	\$3.54
2	\$4.95
3	\$6.37
4	\$7.78
5	\$9.20
6	\$10.61
7	\$12.03
8	\$13.44

Group	Fixed Fee
9	\$14.86
10	\$16.27
11	\$17.69
12	\$19.10
13	\$20.52
14	\$21.93
15	\$23.35
16	\$24.76

Group	Fixed Fee
17	\$26.18
18	\$27.59
19	\$29.00
20	\$30.42
21	\$31.83
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23	\$34.66
24	\$36.08

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The total maximum prime compensation of all Parts which may be authorized for the subject Agreement is Seven Hundred Fifty Thousand Three Hundred Seventy-Nine Dollars (\$750,379.00)."

The following documents, or specified portions thereof, are hereby incorporated into and made a part of this Modification as though expressly rewritten herein:

(a) The attached Revised Scope of Services Minutes dated January 17, 2023.

If your firm accepts this Modification and agrees that the aforementioned compensation shall constitute full compensation for the provision of the professional services proposed herein, and further agrees that all other terms and provisions of the prime Agreement and subsequent modification thereto, not in conflict herewith, shall remain unaltered and in full force and effect, please sign this letter-modification and return to Susan Stehle, Administrator, Office of Consultant Services, Mail Stop 4100, 1980 West Broad Street, Columbus, Ohio 43223.

Any person executing this Modification in a representative capacity hereby warrants that he/she has been duly authorized by his/her principal to execute this Modification on such principal's behalf.

Additionally, it is expressly understood by the parties that none of the rights, duties and obligations described in this Modification shall be binding on either party until such time as the expenditure of funds is certified by the Director of Budget and Management, pursuant to Section 126.07 of the Ohio Revised Code.

IN WITNESS WHEREOF, the parties hereto have caused this Modification to be executed as of the day and year first above written by affixing the signature of the duly authorized officer of Consultant and the signature of the Director of Transportation.

Any party may deliver a copy of its counterpart signature page to this Modification via fax or e-mail. Each party shall be entitled to rely upon a facsimile or electronic signature of any other party delivered in such a manner as if such signature were an original.

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Your authorization to proceed shall be given by separate letter.

Respectfully,

Jack Marchbanks, Ph.D.
Director

JM:SS:JAK

ACCEPTANCE:

Dynotec, Inc.

By: 

Title: President/CEO

Ohio Department of Transportation Scope of Services

C-R-S: FRA-062-08.91

1. General Information

District/Central Office:
PID#: 114103

	No.	Scope of Services Meeting Date	Approved Final Scope of Services
Modification	2	3/18/2021	1/17/2023

US 62

			Unit	Measure
Functional Classification		From:		
Design Functional Classification		To:		
Posted Speed (MPH)		Project Length		
Design Speed (MPH)		Work Length		
		Lateral Limits		

2. PDP Phases Included in this Agreement: Phase PE through Phase CO Agreement between Consultant and: Ohio Department of Transportation

This scope approval is the initial scope for development of the agreement. As the project moves through additional project development Phases, the project specific scopes of services for these additional Phases shall be developed and incorporated herein.

This Agreement will be implemented in Parts appropriate to the PDP Phases. The initial price proposal and authorization will include:

Phase PE thru the Phase EE

Proposal / Scope
DYNOTEC, INC.
FRA-062-08.91
Agreement No. 35923
Modification No. 2

The specific scope of work and cost proposal for succeeding PDP Phase(s) will be developed as the current Phase(s) is completed.

3. Price Proposal Due Date: 4/5/2021

4. Project Location:

Replace storm sewer along US 62 from Blue Rock Blvd to Big Run Rd East. (SLM 8.91 to 9.22)

5. Project Description:

Modification 2

Environmental Engineering through Final Engineering including right of way plans.

6. Communication/Contacts:

The respective project managers (ODOT and Consultant) will be the primary points of communication. Rules for communication between project staff listed below will be discussed at the Scope of Services Meeting and further described herein. Technical issues may be discussed directly (between project staff) below the project manager level, but the respective project managers must be informed of such discussions and any decisions resulting there from. Contractual issues should always be communicated at the project manager level.

7. Schedule

Completion Time for Phases	PE thru EE:
Completion Time for all Phases	PE thru CO:

The following commitment dates are derived from the Ellis events as developed:

Milestone	SFY	Current
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The Consultant will prepare a detailed Master Schedule Gantt Chart (from initial authorization of the agreement thru completion (sale) utilizing Microsoft Project. This schedule is to be included with the price proposal. The Schedule will include beginning and ending dates as well as key milestones on the critical path (Ellis milestones) for the project. Based

on the type of Consultant Agreement, the Schedule shall also accommodate appropriate time frames for scoping, negotiation and authorization for the additional Phases. If applicable to the project, the schedule will also include, at a minimum, all milestones as per the Department's approved Enhanced Tracking Milestone Listings. The overall schedule past those phases contracted for may be general in nature meeting the dates as established within this scope. The Consultant will be responsible for timelines of Phases as authorized within this agreement. The Consultant is responsible for updating the schedule as needed throughout the PDP (or as requested by ODOT) and providing these schedules monthly or as mutually agreed at the time of scope meeting (typically with Consultant Invoices). Monthly project updates are required to be submitted to the Department's Project Manager at a minimum indicating or identifying work completed this month, expected work next month and identifying any critical items needing action from both the Consultant and Department's personnel. These updates are typically provided with monthly invoicing and should be coordinated with the Department's Project Manager for an approved format and schedule.

8. Electronic Distribution of Design Information

The development of this project shall be performed in accordance with the Department's design manuals and documents. The consultant shall perform all work required by the design manuals unless a specific exception is included herein. Absence of a specific reference to required elements of the work either in this Scope of Services or the consultant's price proposal shall not relieve the consultant of responsibility to perform the work or justify additional compensation. The consultant's price proposal shall be based on the most current revision of each manual at the date of the Scope of Services Meeting.

The consultant shall also be responsible to revise the plans to conform to the most recent revision of the design manuals and documents. The Department maintains current documents and a summary of the latest revisions through the Design Reference Resource Center (DRRC) (<http://www.dot.state.oh.us/drcc/>) (the DRRC page of the Department's Website). This site will release all new and revised design information quarterly, on four specific dates. The most significant recent changes made to this page are reflected under the heading "Latest Revision/Revision History."

Minor changes should be routinely incorporated in the work. The consultant shall notify the Department (District Office or other office charged with administration of the agreement) in writing of any subsequent changes in design manuals or other documents that would substantially impact work already performed or change the overall impacts of the project including construction costs, right of way impacts or environmental impacts. The Department will respond in writing concerning the disposition of any such changes. The Department agrees that a substantial change in design policy or plan preparation requirements may constitute a valid request for additional compensation.

The correspondence transmitting final deliverables shall note the last revision date of the Design Reference Resource Center upon which the plans were based.

9. Variations from the Scope of Service

This Scope of Services document is based on the Department's knowledge of project requirements at the time when the document was prepared, and serves as the basis for the price proposal and agreed fee. However, changes in the work may be required as the project develops and more complete information becomes available. Such changes also may be dictated by written procedures included in manuals or decisions made by the Department. As the project develops, it is the Consultant's responsibility to advise the Department of significant changes in the work that may require modification of the agreement, and to maintain separate cost accounting for each specific issue. The Department's written comments and other technical decisions concerning development of the project shall not be construed as authorization for extra work for which additional compensation may be claimed. Modification of the agreement or written authorization to proceed is

required prior to the performance of additional work. In short, at all times the Consultant remains responsible to advise the Department of work that exceeds the scope of services.

Requests for modification will be evaluated from the standpoint of the scope of services in its entirety and not in terms of a single issue. Additions to the scope of services may be offset by reductions in other areas of the work.

10. PDP Process

The Ohio Department of Transportation (ODOT) has developed and implemented a Project Development Process (PDP) that includes regular communication among technical disciplines, results in quality plans and minimizes cost overruns during right-of-way acquisition and project construction. Depending on their size, complexity, and/or potential impact to the environment, ODOT transportation projects are categorized as one of five paths (Path 1– 5). The PDP consists of five phases that projects must advance through prior to construction. These phases include Planning, Preliminary Engineering, Environmental Engineering, Final Engineering and Construction. While all projects advance through these phases, project managers have the flexibility to adjust scope activities within the phases to better support decision-making.

The PDP is a project management and transportation decision-making procedure that outlines project development from concept through completion. Each PDP activity is timed to facilitate informed decision making based on an appropriate level of project development and risk management. The PDP encourages communication among disciplines, requires documentation of the reasoning behind project related decisions, eliminates duplicated effort among disciplines and provides for early identification of potential issues. Involvement of all disciplines during the early stages of project development ensures that issues affecting project type, scope, development schedule and costs can be correctly evaluated and anticipated.

The manual and associated tools provide guidelines to identify activities required during each phase of project development. The project scope determines the amount of work performed within the phases. Although the manual and web-based tool identifies work tasks, deliverables and potential stakeholders for each phase in the process, the process requires coordination of people and tasks between phases to ensure continued review and study of the best possible options.

Communication and transition among disciplines are critical to a project's success. By establishing communication opportunities and responsibilities throughout the PDP, the project manager ensures that those involved in the project fulfill their project commitments. The project manager for each step is responsible for ensuring appropriate coordination and involvement of other disciplines throughout the process.

11. On-Going Consultant Involvement during the Construction Phase

The Consultant shall provide construction phase services as requested by the Department, for the purpose of advising the Department concerning interpretations of the plans and specifications prepared by the consultant, advising the Department of any changed or unanticipated field conditions that will impact the work, and participating in a formal Partnering process if applicable. The consultant will not have any formal ongoing duties in administration of the construction contract or inspection and testing of the project. The Consultant's personnel assigned to this phase of the work shall be the same personnel that designed the project and prepared the plans (generally the personnel whose initials appear on the drawings).

The Consultant shall provide the following construction phase services as requested by the Department:

1. Attend meetings including the preconstruction meeting, job progress meetings, partnering meetings if applicable, and other meetings as requested.
2. In conjunction with job progress meetings or as requested, visit the job site at appropriate intervals to monitor critical areas of the work and advise the Department of any conditions that would affect the work.
3. If authorized, provide on-site geotechnical support for construction of geotechnical complex systems.
4. Respond to questions and visit the job site on an as needed basis.
5. Assist the Department in evaluation of change orders or claims.
6. If directed by the Department, replace right of way monumentation destroyed by the Contractor's construction operations. Monuments shall be $\frac{3}{4}$ inch diameter steel rod, 30 inches long, with an aluminum cap having a minimum diameter of 1 $\frac{1}{2}$ inch, stamped ODOT R/W and bearing the surveyor's Ohio Registration Number and name, and/or company name. In order to support the Department's efforts in recovering costs from the Contractor, maintain separate cost accounting records for this work.

Centerline Adjustable Monument Assemblies shown on the Recorded Centerline Plat shall be set by the consultant at an appropriate stage of construction, as directed by the Department. After construction of the Centerline Adjustable Monument Assemblies by the contractor, the Consultant shall set the iron pin and cap in the Centerline Adjustable Monument Assembly Box. All centerline monuments, reference monuments and right of way monuments shall conform to Standard Construction Drawing RM-1.1 (pages 1 and 2)

7. Attend the post construction meeting and prepare minutes of the meeting including a discussion of preventable change orders.

Compliance with Health and Safety Requirements

For Consultant personnel visiting the site, the Consultant shall be responsible for compliance with applicable health and safety requirements including OSHA requirements (CFR 29-1926), and medical testing required by OSHA and ODOT rules and regulations.

The Consultant shall provide, as a minimum, the same level of safety equipment as required for ODOT inspectors. Consultant personnel shall be subject to compliance inspections by ODOT personnel.

Responsibilities of the Department

1. The District Project Manager for the design agreement will remain as the point of contact for the consultant during the construction phase
2. District construction personnel may contact the consultant directly regarding any plan questions or interpretations, but the District Project Manager for the design agreement will be notified of all such communications.
3. The Department will advise the consultant in writing of any potential errors or omissions which must be corrected without undue delay and without additional costs to the State
4. The Department will direct the consultant to set the iron pin and cap in the Adjustable Monument Assembly Boxes at an appropriate stage of construction.

12. Exceptions/Clarification from Manuals

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13. Existing Document (Not Attached to the Profile)

External Documents

14. Attachments (Attached to the Profile or Tasks)

15. Task List

Task Label	Task Name	Consultant	ODOT	LPA	If Authorized
2	Preliminary Engineering Phase				
2.3	AER Design				
2.3.A	Field Survey and Aerial Mapping				
2.3.A.A	Project Control, Benchmarks, and Reference Points				
2.3.A.A.2	Type "B" Monument Specified	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Narrative: Based on the fee guidance we feel this meets the Low Complexity., which recommends 16 hours / monument. We are anticipating needing to set 1 additional control points to efficiently complete the additional topo. The Fee Guidance recommends (16 hours / monument) x (1 monuments) = 16 hours. Survey Crew (2-man) 12 hours Professional Surveyor 4 hours				
2.3.A.B	Monumentation Recovery				
2.3.A.B.1	Existing Centerline and R/W	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Narrative: We feel this is a medium complexity task due to the Previous Plans (FRA-62-7.00) do not indicate that Centerline and/or Right of Way monumentation is available, the county does have good survey records, this is a location with medium traffic volume and speed, and we feel the corridor does allow for partial VRS surveying. The total distance of the requested survey limits is 0.12 miles. The Fee Guidance recommends (50 hours / mile) x (0.12 miles) = 6 hours. Dynotec recommends 12 hours as this would allow 0.5 day for a 2-man survey crew, and 0.5 day for a PS for research and centerline resolution and to resolve the additional centerline with the previously resolved centerline.				

Task Label	Task Name	Consultant	ODOT	LPA	If Authorized
	Survey Crew (2-Man) 8 hours Professional Surveyor 4 hours				
2.3.A.B.2	Property Lines (Used on projects with additional R/W needed) Narrative: This is being prepared as a low complexity task. The county does have good survey records, the property records do indicate that monuments are available, the corridor has a medium traffic volume and speed, and we feel is available to VRS surveying. We are only looking to resolve the boundaries for the western properties with total 6. The Fee Guidance recommends (6 ownerships) x (16 hours / ownership) = 96 hours. Professional Surveyor 48 hours <u>Survey Field Crew 48 hours</u> Total this task 96 hours	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.3.A.C	Base Mapping (incl. field verify.)				
2.3.A.C.2	R/W Project Narrative: Based on the ODOT Fee Guidance, this is being prepared as a Low Complexity task, which recommends 20 hours / 0.1 miles. The distance of the requested additional survey limits is approximately 650 feet which equates to 0.12 miles. The survey limits include a full topo survey, including edge of pavement, above ground features, poles, underground utilities, fire hydrant, storm, guardrail, topo from as far back on the west properties to the edge of pavement on the east side. Fee Guidance recommends (20 hours / 0.1 miles) x (0.12 miles) = 24 hours. Survey Crew 16 hours <u>Sr. Survey Tech 8 hours</u> Total 24 hours	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.3.A.F	Establish property lines, tax id, & ownerships on base map Narrative: This is being prepared as a lot complexity task as the county does have good ownership, survey records, and survey records indicate boundary monuments are likely. There are 6 properties included within our additional survey limits along the west side of SR 62. The Fee Guide recommends (4 hours / owner) x (6 owners) = 24 hours. Professional Surveyor 24 hours	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.3.A.G	Property Owner Notification Narrative: We feel this meets Low Complexity as the county has good ownership records available on line. There are a total of 6 ownerships. The Fee Guidance recommends (1.5 hours / owner) x (6 owners) = 9 hours. Dynotec recommends 8 hours.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Environmental Engineering Phase				
3.1	Environmental Field Studies and Refined Impacts				
3.1.M	Waterway Permits				
3.1.M.B	Prepare Waterway Permit Applications	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Task Label	Task Name	Consultant	ODOT	LPA	If Authorized
3.3	Stage 2				
3.3.A	Roadway				
3.3.A.A	Title Sheet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3.A.B	Schematic	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3.A.C	General Notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3.A.D	Typical Sections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3.A.E	Plan and Profile - Mainline	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3.A.H	Cross Sections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3.A.I	Intersection Details	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3.B	Drainage				
3.3.B.A	Storm Sewer Profiles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3.B.B	Culvert Detail Sheets including headwall and wingwall details	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3.B.E	BMP Details	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3.C	Traffic Control				
3.3.C.A	Pavement Marking Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3.D	Signal Plan & ITS				
3.3.D.A	Signal Plan Sheets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Narrative: Assume 1 signal at medium level due to utility conflicts and ped signals				
3.3.E	Maintenance of Traffic				
3.3.E.A	MOT General Notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Narrative: Assume 3 sheets for MOT notes at medium level.				
3.3.E.B	Detour Plan - Custom Guide Signs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Narrative: Assume 1 detour at low level				
3.3.E.C	Pedestrian / Bike Lane Detour - Plan Sheet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Narrative: Assume one detour for each direction on 62.				
3.3.E.E	MOT Typical Section	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Task Label	Task Name	Consultant	ODOT	LPA	If Authorized
	Narrative: Assume 3 typical sections. One for storm sewer work on left, one for storm sewer work on right and one for widening at medium level.				
3.3.E.F	MOT Plan Sheets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Narrative: Assumes 20 scale plan sheets. 4 sheets with multiple driveways plus detail sheet for pipe crossing. Total of 5 sheets at medium level.				
3.3.J	Utilities				
3.3.J.A	Utility Coordination and Documentation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.4	Right of Way Plans				
3.4.B	Preliminary Right of Way Plans				
3.4.B.A	Legend Sheet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Narrative: Medium Complexity 10 hours Professional Survey 10 hours				
3.4.B.B	Centerline Survey Plat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Narrative: We feel this task is medium complexity as there are multiple intersections and multiple sheets. We believe this task will require 1 pages for the centerline plat 20 hours per sheet x 1 sheet = 20 hours Professional Surveyor 20 hours				
3.4.B.C	Property Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Narrative: Medium complexity due to suburban area and more than 10 property owners (40) Medium Complexity = 26 hours per sheet x 1 sheet = 26 hours Low Complexity = 20 hours per sheet x 1 sheet = 20 hours Dynotec recommends 24 hours to complete this task. Professional Surveyor 24 hours				
3.4.B.D	Summary of Additional Right of Way	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Narrative: Low Complexity 40 owners x 2 hours per owner = 80 hours Professional Surveyor 40 hours <u>Senior Technician 40 hours</u> Total this task 80 hours				
3.4.B.E	Detailed ROW Plan Sheets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Task Label	Task Name	Consultant	ODOT	LPA	If Authorized
	<p>Narrative: Medium Complexity due to suburban area with some commercial properties.</p> <p>project length = approximately 0.5 miles = 2640 feet 400 feet per sheet anticipating (1) right of way detail sheet and (1) boundary sheet per 400 foot section = 2 pages per 400 feet = 14 sheets</p> <p>14 sheets x 32 hours per sheet = 448 hours = Medium Complexity 14 sheets x 24 hours per sheet = 336 hours = Low Complexity</p> <p>Dynotec recommends a total of 392 hours to complete this task.</p> <p>Professional Surveyor 160 hours Project Manager 32 hours <u>Senior Technician 200 hours</u> Total this task 448 hours</p>				
3.4.B.F	Special Plats	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.4.B.G	Legal Descriptions and Closure Calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<p>Narrative: Low complexity</p> <p>32 descriptions</p> <p>3 hours per description x 32 descriptions = 96 hours</p> <p>Professional Surveyor 96 hours</p>				
3.4.B.H	Right-of-Way Acquisition Estimate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.4.B.I	Field Review	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<p>Narrative: Medium complexity due to being suburban area.</p> <p>Medium Complexity = 3 hours per sheet x 14 sheets = 42 hours. Low Complexity = 2 hours per sheet x 14 sheets = 28 hours.</p> <p>Dynotec recommends 35 total hours to complete this task.</p> <p><u>Senior Technician 35 hours</u> Total this task 35 hours</p>				
3.4.C	Final Right of Way Plans				
3.4.C.A	Final Right of Way Plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<p>Narrative: Medium Complexity due to suburban area.</p> <p>Medium Complexity = 2.5 hours per sheet x 24 sheets = 60 hours Low Complexity = 2 hours per sheet x 24 sheets = 48 hours</p>				

Task Label	Task Name	Consultant	ODOT	LPA	If Authorized
	Dynotec recommends 48 hours to complete this task. Project Manager 2 hours Professional Surveyor 6 hours <u>Senior Technician 40 hours</u> Total this task 48 hours				
3.4.C.B	Field Review & Verify Property Owners	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Narrative: Medium complexity due to suburban area. 1.5 hours per sheet x 7 sheets = 10 hours (does not include travel time = 1 hour) Professional Surveyor 11 hours Total this task				
3.4.C.C	Record Centerline Plat and all appropriate documents	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Narrative: Suggest 2 hours to submit final centerline plat to FCEO for pre-approval, deliver signed and stamped plat to FCEO.				
3.4.C.D	Set R/W Pins after acquisition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Narrative: Low complexity Anticipating setting 40 pins 0.25 hours per pin x 40 pins + 8 hours set up time = 18 hours Senior Technician 2 hours <u>Survey Field Crew 16 hours</u> Total this task 18 hours				
3.8	Prepare Cost Estimates and Revise Milestone				
3.8.A	Roadway/Interchange Costs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.9	Project Management for Environmental Engineering Phase				
3.9.A	Meetings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.9.B	General Oversight	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.9.C	Project Set Up	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Final Engineering and R/W Phase				
4.2	Stage 3 Detailed Design Plans				
4.2.A	Quantities and Notes				
4.2.A.A	Pavement Subsummary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Task Label	Task Name	Consultant	ODOT	LPA	If Authorized
4.2.A.B	Drainage Subsummary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.2.A.C	Roadway Subsummary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.2.A.E	Maintenance of Traffic Subsummary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Narrative: Assumes 5 MOT plan sheet at medium level.				
4.2.A.F	Pavement Marking Subsummary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.2.A.H	Signal Subsummary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Narrative: Assume 1 signal at medium level				
4.2.A.M	General Summary Sheet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.2.A.P	General Notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.2.A.Q	Driveway Subsummary or Driveway Details (if included on same sheet)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.2.B	Traffic Signal & ITS Plans				
4.2.B.A	Wiring diagram & pole orientation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Narrative: Assume 1 signal at medium level				
4.2.B.B	Timing Chart	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Narrative: Assume 1 signal at medium level				
4.2.B.C	Elevation Views of Mast Arm Poles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Narrative: One signal at medium level				
4.2.B.D	Traffic Signal Signs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Narrative: one signal at medium level				
4.2.C	Signing Plans				
4.2.C.A	Signing Plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Narrative: Assume 1 signal at medium level				
4.3	Prepare Cost Estimates and Revise Milestone				
4.3.A	Roadway/Interchange Costs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.4	Final Plan Package				
4.4.A	Submission of Final Tracings and Documentation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Task Label	Task Name	Consultant	ODOT	LPA	If Authorized
4.5	Project Management for Final Engineering and Right of Way Phase				
4.5.A	Meetings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.5.B	General Oversight	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.5.C	Project Set Up	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.6	Pre-Bid Activities				
4.6.A	Pre-Bid Questions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>