Fermi National Accelerator Laboratory



Steven Dixon Conventional Facilities

PIP-II Division P.O. Box 500, MS 312 Kirk Road and Pine Street Batavia, Illinois 60510-5011 USA Office: 630.840.8501 steveo@fnal.gov

Memorandum

Date:	March 6, 2019
То:	Project File
From:	S. Dixon
Re:	A/E Firm Tasking Durations
	Proton Improvement Plan II (PIP-II)
	PIP-II-doc-318

This memo describes the historical data and assumptions used to estimate the durations required to task an Architect/Engineering (A/E) firm for support of the conventional facilities portion of the PIP-II project.

Background

A July 15, 2015 presentation titled "Fermilab Projects Procurement Support" by Joe Collins indicated that the procurement cycle (defined as the time frame when an approved requisition is received in FI/Procurement until a purchase order is issued) for A/E selection may take as long 160 calendar days.

The A/E firm for the conventional facilities portion of PIP-II was selected following FI/Procurement's selection guidance. An indefinite deliverables/indefinite quantity (IDIQ) subcontract was established with the A/E firm and will result in shorter procurement cycles since the overall selection is complete and task orders issued under the master IDIQ agreement typically require a shorter duration to establish a purchase order.

The FESS/Engineering Standard Operating Procedure 9.3.5.1 includes the requirements for developing tasking purchase orders for A/E consultants. This includes developing a memorandum with the proposed work scope for tasking, issuing this request for proposal to the A/E and review of the A/E proposal prior to creating a requisition. This procedure will generally be followed with appropriate PIP-II tailoring.

Historic Data

Seven (7) recent purchase orders for A/E tasking was reviewed to understand trends. As with PIP-II, these A/E firms were already under master agreements and the individual tasking was issued under those agreements. Listed below is a summary chart of those purchase orders with the summary average below.



Fermi National Accelerator Laboratory

	Durations in Working Days				
	Base Cost	RFP Turnaround	Req Approval	Approved Req to PO (Procurement Cycle)	A/E Tasking Period
SBN Far Detector Building - Final Design	\$575,844	14	8	11	33
SBN Near Detector Building - Final Design	\$193,864	14	9	15	38
UUP ICW Final Design	\$300,000	13	8	2	23
UUP Field Support	\$236,348	38	3	3	44
MSS AP Design	\$426,161	38	3	2	43
IERC Management Support	\$158,534	6	4	3	13
IERC Conceptual Design Support	\$517,296	10	4	5	19
	Average	19	6	6	30

The "**RFP Turnaround**" column is the time period in working days from the creation of the work scope memorandum until the requisition was begun. The "**Req Approval**" column indicates the number of working days that was required to receive the electronic approvals. This time frame started when the requisition entered the approval system until it was received at FI/Procurement. The "**Approved Req to PO**" column is the working days required for the procurement cycle. The "**A/E Tasking Period**" column is the overall duration from the start of the work scope memorandum until a purchase order was issued.

PIP-II Assumptions

The A/E tasking for the conventional facilities portion of the PIP-II project assumes that the historic data is a good indicator for this type of tasking. Listed below is the work breakdown structure of the conventional facilities along with the tasking assumptions:

WBS	Construction Package	A/E Base Cost (FY18\$)	RFP Turnaround	Req Approval	Approved Req to PO (Procurement Cycle)	A/E Tasking Period	Basis
				Durat	tions in Working Days		
121.06.02	Site Preparation						
	Design	\$1,549,838	19	6	6	30	Historical Average
	Construction Support	\$1,184,000	19	6	6	30	Historical Average
	Construction Coordination Support	\$442,000	19	6	6	30	Historical Average
121.06.03	Cryo Plant Building						
	Design	\$1,045,000	19	6	6	30	Historical Average
	Construction Support	\$1,179,000	19	6	6	30	Historical Average
	Construction Coordination Support	\$463,000	19	6	6	30	Historical Average
121.06.04	Utility Plant Building						
	Design	\$620,000	19	6	6	30	Historical Average
	Construction Support	\$698,000	19	6	6	30	Historical Average
	Construction Coordination Support	\$274,000	19	6	6	30	Historical Average
121.06.05	Linac Complex						
	Design	\$4,418,000	19	6	6	30	Historical Average
	Construction Support	\$4,986,000	19	6	6	30	Historical Average
	Construction Coordination Support	\$1,957,000	19	6	6	30	Historical Average
121.06.06	Booster Connection						
	Design	\$395,000	19	6	6	30	Historical Average
	Construction Support	\$446,000	19	6	6	30	Historical Average
	Construction Coordination Support	\$175,000	19	6	6	30	Historical Average



These durations are shorter than the recommendations contained in the "Fermilab Projects Procurement Support" presentations and reflect the use of an A/E already under indefinite quantity/indefinite deliverable agreement and recent historic data.

Summary

This memo describes the basis for the A/E tasking durations of the conventional facilities portions of the PIP-II project. This information will be revisited in subsequent design phases to validate the assumptions.

Update History

December 2017 after the DOE Independent Project Review May 2018 with costs in FY18 dollars and revised WBS December 2018 after WBS re-organization March 2019 update based on added scope from room data sheet validation

Encl: Fermilab Projects Procurement Support, dated July 15, 2015 FESS/Engineering Standard Operating Procedure 9.3.5.1, dated December 15, 2011 Historic Data Breakdown

Cc: L. Merminga, PIP-II M. Kaducak, PIP-II L. Lari, PIP-II F. Minton, PIP-II PIP-II-doc-318



Managed by Fermi Research Alliance, LLC for the U.S. Department of Energy Office of Science

Fermilab Projects Procurement Support

Joe Collins FESS Presentation July 15, 2015

WHAT WE DO

- Acquire Goods and Services for the Laboratory
- Support Procurement Requirements from Initial Development to Closeout
- Adhere to a Best Value Philosophy



WHO WE ARE

Joe Collins, Procurement Manager,x4169 Joanne Hall, Administrative Assistant, x4168 Monika Lasota, Functional Analyst, x2114

Operations Procurement

Bill Koncelik, Supervisor, x4173 Chris Rossman, x4439 Gary Davis, x4171 Pamela Noyes, x5779 Scott Engel, x2733 Brian Niccolai, x4177 Joe Morgan, x4181 Bob Johnson, x4179 Mark Graczyk, x4895 Don Rogus, x4177 Nancy Yackle, x2555

Project Procurement Bob Cibic, Supervisor, x3258 Ron Evans, x4166 Steve Gaugel, x5782 Jim Hohbein, x6782 Steve Cozzens, x4183 Jane Graves, x4194 Terry Cross, x3763 <u>Construction Procurement</u> Tom Powers, Supervisor, x4255 Jerry King, x2697 Sandra Efstathiou, x5784 Gordon Bagby, x3388

ProCard Administration Nancy Yackle, x2555

<u>Support Staff</u> Joyce Serritella, x4155 Julie Wiley, x8048



PROJECT LIAISON

The Procurement Liaison is assigned to a specific project, and acts as the point of contact for all procurement issues. This person will generally handle the Project's high dollar value, and complex procurements, from planning though closeout, while also tracking status, coordinating all other Project Procurement actions, and keeping Procurement staff members advised of Project schedules, and priorities.

The Liaison also acts in the capacity of Procurement Department representative at Project meetings, and DOE reviews.

Project Liaisons:

- Sandra Efstathiou, x5784, LBN
- Steve Gaugel, x5782, Mu2e
- Bob Cibic, x3528, LCLSII
- Gary Davis, x4171, CMS
- Jim Hohbein, x6782, UUP



RESPONSIBILITY

- Serve the customer
 - You
 - DOE
 - Stakeholders



OPERATING RULES Procedural Requirement based on:

- FRA Prime Contract
- Commercially Accepted Practice
- DOE Acquisition Regulations
- Federal Acquisition Regulations
- DOE Property Management Regulations



OPERATING RULES

- Ethical
- Equitable
- Transparent



OPERATING RULES

- Maximum Practical Opportunities to:
 - Small Disadvantaged Businesses
 - Small Businesses
 - Women-Owned Businesses
 - HUBZones
 - Veterans
 - Service Disabled Veterans
- Annual Goals Established
- SB Set Asides
- All Construction subcontracts \$3.5 million or less, are set aside for Small Business; per the Prime Contract, Appendix H



VISIBILITY

- Audits
 - Department of Energy
 - Office of Inspector General
 - General Accounting Office
 - Small Business Administration
 - Internal Auditors
 - External Auditors
- Lab Management
- Lab Customers



VISIBILITY

- Vendors
- Socioeconomic Program Advocates
- Business Community
- Competition Advocates
- Congress
- News Media
- General Public
- Unions



OPERATION

Buyers Responsible "From Cradle to Grave"

- Planning
- Developing
- Negotiating
- Awarding
- Administration
- Close-Out



REQUIREMENTS

- Over \$10,000
 - Competition Required
- Over \$150K
 - Advanced Notification to DOE/FSO is required, for sole source actions, and procurements that include a patent rights clause.
- Over \$5M
 - Advanced Procurement Plan (APP) and proposed Solicitation (RFP) must be approved by FSO prior to distributing the solicitation to potential subcontractors
- Over \$10M
 - Acquisition Plan (AP) must receive FSO approval. FSO has the authority to approve, an AP estimated up to \$25M.
- Over \$25M
 - AP and Solicitation must be reviewed by the Science Deputy Director for Field Operations/Head of the Contracting Activity (HCA)
- Over \$50M
 - The review chain also includes the DOE Director, Office of Procurement and Assistance Management, and the DOE Acquisition Planning and Liasion Division (ALPD-Business Clearance Unit). Note: This step may take six weeks to complete.

PROCUREMENT CYCLE TIME - COMMERCIAL

Procurement cycle time extends from receipt of the approved requisition (with complete drawings, specifications and other attachments) to subcontract award.



PROCUREMENT CYCLE TIME - COMMERCIAL

Commercial, Off-the-Shelf Items and Services from Domestic Sources

- \$10,000 or less
- >\$10,000-\$50,000
- >\$50,000-\$1,000,000
- Greater than \$1,000,000
- Greater than \$5,000,000
- Greater than \$25,000,000
- Greater than \$50,000,000

- 1-9 calendar days
- 10-30 calendar days
- 31-50 calendar days
- 51-60 calendar days
- 61-90 calendar days
- 91-120 calendar days
- 121-160 calendar days
- Note: Use the Stockroom as needed. Use a ProCard if it benefits you.

PROCUREMENT CYCLE TIME NON-COMMERCIAL

Non-Commercial (Construction, T&M, University A&E, Labor Hour Subcontracts, Unique Equipment and Fabrications, Sole Source Foreign Procurements)

- 30-160 calendar days depending on complexity
- University subcontracts are closer to 60 days while A&E, labor hour, major construction, security, and cafeteria services may take160 days
- Sole source foreign procurements may take up to 160 days; especially those priced in excess of \$500,000.



EMERGENCIES

If your requirement is urgent:

- 1) Contact your Procurement Liasion
- 2) Call a Group Leader or the Procurement Manager
- 3) Ensure that the urgency is stated on the requisition



ORACLE HELP

Joanne Hall, x4168



Authority to Commit the Laboratory

- FRA, Fermilab Director
 - CFO
 - Deputy Head, Finance
 - Procurement
 - ProCard Holders (\$2,500)
 - Construction Coordinators (\$5,000 field changes)
 - Engineering Department Head, FESS (\$25,000 field change)



Responsibility of Staff in Dealing with Outside Organizations

 Do not commit the Lab unless you possess specific delegated signature authority



AFTER-THE-FACT REQUISITIONS/RATIFICATIONS:

- Personnel without the authority to commit the Lab
- Specific authority is delegated in a written memo from the Deputy Head, Finance; Procurement Manager, or as delegated by job position such as Construction Manager, Construction Coordinator, or ProCard holder.
- Ratifications are the acts of approving unauthorized agreements (purchase commitments) with vendors (or other parties) made by FRA personnel who do not possess authority to make such commitments. The Lab Director, CFO, Deputy Head, Finance, and Procurement Manager (or designee) are the only individuals with authority to ratify actions.



- Ratification of an unauthorized action may only be exercised when:
 - Supplies or services have been provided to and accepted by FRA, or if FRA otherwise has obtained or will obtain a benefit resulting from performance of the unauthorized commitment;
 - The resulting subcontract would otherwise have been proper if made by the appropriate Procurement Administrator,
 - The Procurement Administrator reviewing the unauthorized commitment determines the price to be fair and reasonable;
 - Funds are available and were available at the time the unauthorized commitment was made.



NON-COMPETITIVE CONTRACTING

- The Lab has a responsibility to obtain competition. It generally results in securing best value. This does not mean that we have to accept the lowest price.
- Trade offs between price and technical evaluation factors are acceptable.
 We must plan together and document accordingly.



If you have a Procurement question, please call:

Joe Collins, x4169 Bob Cibic, x3528 Tom Powers, x4255 Bill Koncelik, x4173 Joanne Hall, x4168





Engineering Department Facilities Engineering Services Section

Standard Operating Procedure

SOP Identifier:	9.3.5.1
Revision Number:	2
Effective Date:	December 15, 2011

Subject Matter Expert: S. Dixon (steveo@fnal.gov)

Title: Architectural/Engineering Consultant Tasking

I Applicability

This procedure applies to the establishing tasking purchase orders under a master subcontract with architectural and engineering (A/E) consultant firms.

II Responsibilities

The following responsibilities have been identified:

FESS/E Project Engineer

- Develop scope, schedule and budget criteria with the Customer contact;
- Prepare Request for Proposal memorandum to FS/Procurement;
- Review A/E Consultant proposal;
- Prepare and circulate purchase requisition.

FS/Procurement Contract Administrator

- Issue Request for Proposal to A/E Consultant
- Review A/E Consultant proposal;
- Issue purchase order.

III Procedure

1.0 <u>Develop Memorandum</u>

The FESS/E Project Engineer is responsible for meeting with client and developing an understanding of the scope, schedule and budget requirements for the project. This information shall be incorporated into a memorandum to Finance Section, Procurement Department (FS/P).

The FESS/E Project Engineer will develop a memorandum to FS/P that requests that a formal Request for Proposal (RFP) be issued to an A/E Consultant. The RFP should, as a minimum, contain the following information:

- Project Description;
- Scope of Services;
- Expected Deliverables;
- Preliminary Schedule;

This memorandum should be addressed to Contract Administrator of FS/P with copies to the Project File, Division/Section/Research Center Client contact and FESS/E Department Head.



2.0 Issue Request For Proposal

BSS/Procurement will issue a formal letter-format RFP to the A/E Consultant.

3.0 <u>Proposal Preparation</u>

Upon receiving a written request for proposal from FS/Procurement the A/E Consultant is responsible for preparing a proposal that accurately reflects the cost and schedule implication of the scope of services described in the RFP.

During the proposal preparation, the A/E Consultant may contact the Project Engineer to answer technical questions and to arrange site visits. All contractual issues shall be directed to the FS/Procurement Contract Administrator.

Unless otherwise specified in the RFP, all proposals shall be submitted within ten (10) business days after receipt.

Fee Proposals shall be sent to the FS/Procurement Subcontract Administrator with a copy to the FESS/E Project Engineer.

The A/E proposal shall include, as a minimum, the following information:

- <u>Project description</u>, describing the A/E's understanding of the program requirements of the task.
- <u>Scope of Services</u>, listing the services and the deliverables offered by the A/E for the fees quoted. Itemize variations, if any, to the requirements stated in this handbook and the A/E Services Subcontract.
- <u>Schedule</u>, proposing the time the task or each phase of the task will take to complete, indicated in days or weeks. The time should start from a "NTP" date and not actual dates.
- <u>Cost</u>, providing a detailed labor hour and rate breakdown of the proposed fee maximum by phase and task, listing personnel titles as they appear in the A/E Subcontract. Supplement this detail with the submittal of a completed Consultant Price Summary. Include a proposed cap cost for reimbursable expenses if allowed by the A/E Subcontract.
- <u>Baseline Progress Reporting Requirements</u>, for the tasking that includes, as a minimum, the following information:
 - Logical, sequential listing of tasks;
 - Expected cost associated with task (including both labor and reimbursables)
 - Monthly projection of expected costs
- All other requirements required by the A/E Subcontract or RFP.

4.0 <u>Proposal Review</u>

Upon receipt of the A/E proposal, the FS/P Contract Administrator will forward the proposal to the FESS/E Project Engineer for review and action. If acceptable, a purchase requisition will be written.

5.0 Purchase Requisition

After completing the review of the proposal, the FESS/E Project Engineer develop a purchase requisition and circulates it for signatures.



6.0 <u>Issue Purchase Order</u>

Upon receipt of the approved purchase requisition, the FS/P Contract Administrator will issue a purchase order for the task. The issuance of the purchase order signifies that point at which the A/E may begin work on the task.

IV References

The following references have been identified:

- FESS/Engineering Policy FEP 9 Consultant Support
- FESS/Engineering Policy FEP 5 Tailoring
- FESS/Engineering Standard Operating Procedure 8.4.5.1 AE Quality Assurance
- FESS/Engineering Standard Operating Procedure 7.4.5.1 AE Progress Reporting
- FESS/Engineering Standard Operating Procedure 12.4.5.1 AE Invoicing

V Revision History

Version Number	Date	Author	Change Summary
0	04/15/2008	S. Dixon	Initial Release
1	12/15/2011	R. Alber	Triennial Review
2	04/15/2015	R. Alber	Triennial Review

VI Other

- 1.0 Example of memorandum to FS/P
- 2.0 Example of RFP memo to A/E firm
- 3.0 Example of A/E proposal



Engineering Department Facilities Engineering Services Section

Standard Operating Procedure

1.0 Example of memorandum to FS/P

геп	nilab	Engineering Department Facilities Engineering Services Section 630.840.6501 (phone) 630.840.4980 (fax)
Memo	randum	
		October 5, 2007
То:	B. Cibic, BSS/Procurement	
From:	S. Dixon, FESS/Engineering	
Subject:	Request for Professional Services Lab BEG Lighting Upgrade FESS/Engineering Project No. 8-2-151C	
	puest a Not-To-Exceed proposal for profess (CMT) for engineering services for the Lab B	ional A/E services from Crawford Murphy & EG Lighting Upgrade project.
industria arrangem a value r	ng interior lighting at the Lab BEG Connec setting. Recent analysis and client input ha ent is preferred. Such a system was include	ction is based on unit fixtures intended for an s determined that a more conventional lighting d in the original design, but removed as part of tigate the possibility of removing the existing
Personal and Anno.	ng should request engineering support for th	e following phases:
This pha replacem upgrades 1. M 2. F 3. Iu 4. D		ystems and develop a recommendation for stimates will be provided for the proposed
This pha Specific ta 1. M 2. E	Title 2 Documents se will prepare the construction document asks include: feetings at Fermilab; evelopment of drawings; evelopment of specifications;	ts suitable for competitive bidding purposes.



	2
<u>Deliverables:</u> The following is the minimum expected deliverables:	
Phase 1: Summary report of investigation/evaluation results Phase 2: Construction documents	
<u>Schedule:</u> Start Task: November 2007 Complete Phase 1: Start Date + 4 weeks Complete Phase 2: Start Date + 8 weeks	
Bob, could you please forward this proposal to CMT and ask that they contact me to discuss this request for proposal in greater detail. Please request that they return their proposal by October 22, 2007	
Please contact me at x8501 with questions.	
Cc: E. Crumpley, FESS/E E. McHugh m/s 355 J. Niehoff, FESS/E Project File 6-7-16	
Fermi National Accelerator Laboratory / Kirk Road and Pine Street / P.O. Box 500 / Batavia, IL 60510 / 630.840.3000 / www.fnal.gov / fermilab@fnal.	gov



2.0 Example of RFP memo to A/E firm

	Fermilab	P.O.Box 500 • Batavia, Illinois • 60510-0500 Phone: 630/840-4255FAX 630/840-2907 Procurement, Mail Station 210
October 8, 2	2007	
Crawford, N	l D. Held, P.E. Aurphy & Tilly, Inc. Commons Drive, Suite 107 50504	
Subject:	Request for Professional Services Lab BEG Lighting Upgrade FESS/Engineering Project No. 8-	
Dear Mr. He	eld:	
	nit a Not-To-Exceed proposal for pro the Lab BEG Lighting Upgrade proj	ofessional A/E services for engineering ject.
industrial se lighting arra removed as	g interior lighting at the Lab BEG Co atting. Recent analysis and client inp ingement is preferred. Such a system	onnection is based on unit fixtures intended for an out has determined that a more conventional n was included in the original design, but e. This task will investigate the possibility of original design.
<u>Scope:</u> The tasking	should request engineering support	for the following phases:
replacement upgrades. S 1. Mee 2. Field 3. Inve 4. Deve	will evaluate the existing electrical	
This phase purposes. S	itle 2 Documents will prepare the construction do pecific tasks include: tings at Fermilab; elopment of drawings;	ocuments suitable for competitive bidding



	2
	verables: following is the minimum expected deliverables:
Phas Phas	e 1: Summary report of investigation/evaluation results e 2: Construction documents
Start	<u>zdule:</u> Task: November 2007
	plete Phase 1: Start Date + 4 weeks plete Phase 2: Start Date + 8 weeks
	se submit your proposal by close of business October 22, 2007. Also, please contact Steve on at (630) 840-8501 to discuss this RFP in greater detail.
If yo	u have any questions please feel free to contact me at (630)840-4255.
Sinc	crely,
	nas R. Powers urement Administrator
cc:	Steve Dixon, MS 214 Bob Cibic, MS 210 File
*	



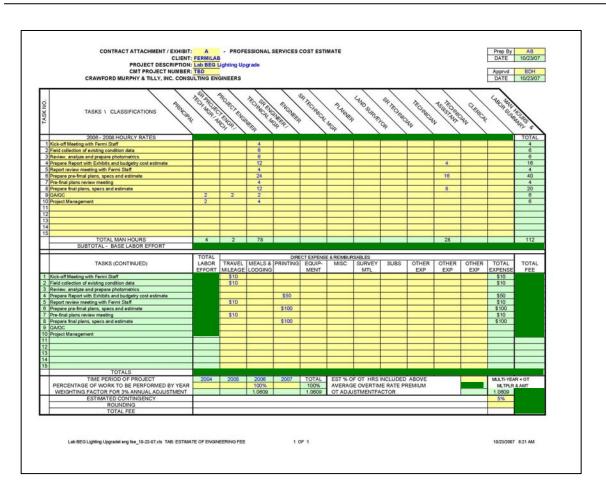
3.0 Example of A/E proposal

AVIATION HIGHWAYS & BRIDGES WATER & WASTEWATER	5
Crawford, Murphy & Tilly, Inc.	Consulting Engineers
	October 22, 2007
Thomas R. Powers Procurement Administrator Fermilab PO Box 500, Mail Station 210 Batavia, 1L 60510 Dear Mr. Powers: Re: Fermilab Lab BEG L	
This letter is our response to the October 8 req	Project Number: 8-2-151C uest for proposals for the Lab BEG Lighting Upgrade nade by CMT's example , as well as the information
Background Information: The existing interior lighting at the Lab BEG O setting. Recent analysis and user input sugges better serve the buildings use. This project wil	Connection is based on unit fixtures intended for an industrial is that a more conventional lighting arrangement would Il investigate the possibility of replacing the existing lighting ith Fermi conventional lighting systems. As a part of this ctrical questions related to the facility.
with Fermi design and drafting standards and this project requires an investigative phase to e replacement lighting system, and estimate the will be presented that would conclude Phase 1 the project will proceed. If so, in Phase 2, CM	onnel from our Aurora office. The will provide the e from CMT Aurora office technicians. Our staff is familiar will follow them for this project. It is our understanding that evaluate the existing system and determine requirements for a costs of replacement. A summary report of these findings (the investigative phase). Fermilab will then determine if IT will design the replacement system, prepare plans, MT will not proceed with Phase 2 without authorization by
We understand that a notice to proceed will be	estantial conformance with the schedule proposed in the RFP. issued in November, 2007 with Phase 1 to be completed in an hours at a cost of Phase 1 would be
Please call if you have any questions.	
	Sincerely, CRAWFORD, MURPHY & TILLY, INC.
	Bund D. Head
	Bernard D. Held, P.E. Sr. Vice President



		DA	TE 23-Oct-07
CONSULTANT NAME: CRAWFORD	, MURPHY & TILLY, IN	IC.	
CONTRACT NO .:	620-1	ASK ORDER NO.:	
PROJECT NAME:	L	ab BEG Lighting Up	grade
PERSONNEL DESCRIPTION*	HOURS	CONTRACT RATE*	ESTIMATED COST (ALL PHASES)
PRINCIPAL	4		
SENIOR PROJECT ENGINEER	2		-
PROJECT ENGINEER	78		
SENIOR ENGINEER	0	<u> </u>	
ENGINEER	0	·	
TECHNICAL MANAGER	0	(<u></u>	
PLANNER REGISTER LAND SURVEYOR	0	·	
SENIOR ENGINEERNG TECHNICIAN	0	-	
ENGINEER TECHNICIAN	28		
ENGINEER ASSISTANT	0	-	
CLERICAL	0		
TOTAL LABOR			
LABOR BY PHASE:	STUDY OR CDR		
	TITLE I		
	TITLE II		
	BIDDING		
	TITLE III (Constr. a		
COMPUTER CHARGES (Attach Detail)			\$0.00
REIMBURSABLE EXPENSES ESTIMATE			
TOTAL MAXIMUM FEE	(rounded)		





Standard Operating Procedure

History - De	etails			
SBN Far Det	ector Building - Final Design			
\$575,844	Req 25170 Amount			
		Calendar Days	Work Days	
6-Oct-14	Memo to Procurement			
7-Oct-14	RFP to A/E	1	2	
23-Oct-14	A/E Proposal Received	17	14	RFP Turnaround
27-Oct-14	Start Req for Approval			
5-Nov-14	Req in Procurement	9	8	Req Approval
19-Nov-14	PO Issued	14	11	Approved Req to PO
	Start Req to PO	23	18	
	A/E Tasking Period	44	33	

	etector Building - Final D Req 252885 Amount				
			Calendar Days	Work Days	
6-Oct-14	Memo to Procurement				
7-Oct-14	RFP to A/E		1	2	
23-Oct-14	A/E Proposal Received		17	14	RFP Turnaround
5-Dec-14	Start Req for Approval				
17-Dec-14	Req in Procurement		12	9	Req Approval
6-Jan-15	PO Issued		20	15	Approved Req to P
		Start Req to PO	32	23	
		A/E Tasking Period	92	67	

Note: Hold period based on expected start date

S300,000, Reg 25258

\$300,000	Req 252580 Amount				
			Calendar Days	Work Days	
4-Feb-15	Memo to Procurement				
9-Feb-15	RFP to A/E		5	4	
20-Feb-15	A/E Proposal Received		16	13	RFP Turnaround
15-Feb-15	Start Req for Approval				
25-Feb-15	Req in Procurement		10	8	Req Approval
26-Feb-15	PO Issued		1	2	Approved Req to PO
		Start Req to PO	11	9	
		A/E Tasking Period	22	17	

UUP Field Support

\$236,348	Req 259088 Amount			
		Calendar Days	Work Days	
10-Mar-15	Memo to Procurement			
13-Mar-15	RFP to A/E	3	4	
30-Apr-15	A/E Proposal Received (estimate)	51	38	RFP Turnaround
18-Sep-15	Start Req for Approval			
22-Sep-15	Req in Procurement	4	3	Req Approval
24-Sep-15	PO Issued	2	3	Approved Req to PO
	Start Req to PO	6	5	
	A/E Tasking Period	198	143	

MSS AP Design

\$426,161 Req 259047 Amount

Work Days Calendar Days

10-Mar-15	Memo to Procurement (estimate)			
13-Mar-15	RFP to A/E (estimate)	3	4	
30-Apr-15	A/E Proposal Received (estimate)	51	38 RFP Turnaround	
17-Sep-15	Start Req for Approval			
21-Sep-15	Req in Procurement	4	3 Req Approval	
29-Sep-15	PO Issued	8	7 Approved Req to	PO
	Start Req to PO	12	9	
	A/E Tasking Period	203	146	

IERC Management Support

\$158,534 Req 259047 Amount

φ100,001					
			Calendar Days	Work Days	
26-Feb-15	Memo to Procurement				
27-Feb-15	RFP to A/E		1	2	
5-Mar-15	A/E Proposal Received		7	6	RFP Turnaround
11-Mar-15	Start Req for Approval				
16-Mar-15	Req in Procurement		5	4	Req Approval
18-Mar-15	PO Issued		2	3	Approved Req to P
		Start Req to PO	7	6	
		A/E Tasking Period	20	15	

IERC Conceptual Design Support

\$517,296 Req 254065 Amount

			Calendar Days	Work Days	
16-Feb-15	Memo to Procurement				
17-Feb-15	RFP to A/E		1	2	
27-Feb-15	A/E Proposal Received		11	10	RFP Turnaround
12-Feb-15	Start Req for Approval				
2-Mar-15	Req in Procurement		18	13	Req Approval
6-Mar-15	PO Issued		4	5	Approved Req to PO
		Start Req to PO	22	17	
		A/E Tasking Period	18	15	