

Progress Report
Week 7

Submission Date: 5 March 2019

Submitted To: Dr. Greg Michaelson
Submitted By: Natasha Napier

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1. Completed/Ongoing Work (2/25/19-3/3/19)

- Zach C – Follow up with steel manufacturer to get rolled beam limitations, plate girder costs, and shipping costs
- Brandon D. – Follow up with concrete manufacturer to get shipping costs for alternative cost estimation
- Brandon A. – Continue preparing cost estimation
- Michael A. – Start CAD drawings & formatted Alternatives PowerPoint Presentation

2. Assigned Work (3/4/19-3/10/19)

- Zach C – Contact local trucking companies about shipping costs for plate girder & rolled beam; get price on largest rolled beam shape available
- Brandon D. – Contract local trucking companies about shipping costs for concrete I-beam
- Brandon A. – Continue preparing cost estimation
- Michael A. – CAD Drawings – Cross sectional views and beam details of each alternative, plan view & elevation of selected alternative
- Natasha – Gantt Chart preparation (with tracking), prepare alternative quantities for Brandon
- John Skaggs – Begin introduction of alternatives report, input alternatives report info into prepared formatting
- Natasha & Michael – Preliminary connection design, bearing and approach slab research

3. Summary of Hours Worked

Hours Worked (2/25/19-3/3/19)		
Employee Name	Hours (Weekly)	Hours (To Date)
Brandon Adams	9.0	22.0
Michael Ashworth	5.0	20.0
Zach Cumm	3.0	10.0
Brandon Dial	2.0	11.0
Natasha Napier	2.50	13.50
John Skaggs	0.0	9.0
Company Total	21.50	85.50

4. Employee Timesheets

- **Brandon Adams**

Week #	Dates	Days	Hours Worked	Description	Weekly Hours Total
7	Feb 25 - Mar 3	25-Feb	4	MII work	9.00
		26-Feb	3	MII work and meeting	
		27-Feb			
		28-Feb	2	MII work	
		1-Mar			
		2-Mar			
		3-Mar			

- **Michael Ashworth**

Week #	Dates	Days	Hours Worked	Description	Weekly Hours Total
7	Feb 25 - Mar 3	25-Feb			5.00
		26-Feb	1	weekly meeting	
		27-Feb			
		28-Feb	2	CAD Drawings	
		1-Mar	2	CAD Drawings	
		2-Mar			
		3-Mar			

- **Zach Cumm**

Week #	Dates	Days	Hours Worked	Description	Weekly Hours Total
7	Feb 25 - Mar 3	25-Feb			3.00
		26-Feb	1	Group meeting	
		27-Feb	2	Getting girder quotes	
		28-Feb			
		1-Mar			
		2-Mar			
		3-Mar			

- **Brandon Dial**

Week #	Dates	Days	Hours Worked	Description	Weekly Hours Total
7	Feb 25 - Mar 3	25-Feb			2.00
		26-Feb	1	Video conference	
		27-Feb			
		28-Feb			
		1-Mar			
		2-Mar	1	Pricing research	
		3-Mar			

- **Natasha Napier**

Week #	Dates	Days	Hours Worked	Description	Weekly Hours Total
7	Feb 25 - Mar 3	25-Feb	1.5	Meeting Prep	2.50
		26-Feb	1	Weekly Meeting	
		27-Feb			
		28-Feb			
		1-Mar			
		2-Mar			
		3-Mar			

- **John Skaggs**

Week #	Dates	Days	Hours Worked	Description	Weekly Hours Total
7	Feb 25 - Mar 3	25-Feb			0.00
		26-Feb			
		27-Feb			
		28-Feb			
		1-Mar			
		2-Mar			
		3-Mar			

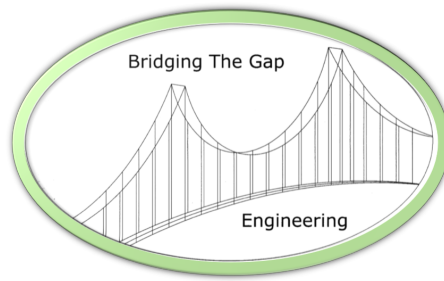
5. Meeting Minutes/Agendas

- **26 Feb – Virtual Meeting Minutes**

- Members in attendance:
 - Michael Ashworth
 - John Skaggs (excused)
 - Natasha Napier
 - Zach C.
 - Brandon D.
 - Brandon A.
- Tasks that need to be accomplished:
 - Zach C – Contact local trucking companies about shipping costs for plate girder & rolled beam; get price on largest rolled beam shape available
 - Brandon D. – Contract local trucking companies about shipping costs for concrete I-beam
 - Brandon A. – Continue preparing cost estimation
 - Michael A. – CAD Drawings – Cross sectional views and beam details of each alternative, plan view & elevation of selected alternative
 - Natasha – Gantt Chart preparation (with tracking), prepare alternative quantities for Brandon
 - John Skaggs – Begin introduction of alternatives report, input alternatives report info into prepared formatting
 - Natasha & Michael – Preliminary connection design, bearing and approach slab research
- Upcoming Meetings
 - Tuesday, Mar 5th at 6:30 pm (Skype)
 - Friday, Mar 8th from 12-1
 - Monday, Mar 11th from 12-1
 - Wednesday, Mar 13th from 12-1

6. Sent Correspondence – RFI #1 (See following page)

7. Received Correspondence – RFI #1 Response (See attached)



Natasha Napier
Project Manager
Bridging the Gap Engineering

Date 2/19/2019

Dr. Greg Michaelson
Principal Engineer
WV Division of Highways

Dr. Michaelson,

This letter is to address the following question which requires some context:

While conducting our preliminary design phase we have considered the following three alternatives: steel rolled beams, steel plate girders, and precast concrete girders. It has become increasingly apparent that our span length of 125 feet is becoming a limiting factor for each of these alternatives. The given span is presenting difficulties due to manufacturing limitations for the concrete beams as well as the given shipping limits. The most obvious solution to this would be to construct a pier midway through the span.

1. Given the aforementioned constraints, are we limited to a single 125 foot span or is construction of a pier with two spans an acceptable solution?

Thank you for your assistance with these matters.

Sincerely,

Natasha Napier

Natasha Napier
Project Manager



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Response to Request for Information
February 27, 2019

Dear Ms. Napier:

I have received the following request for information from your firm:

1. Given the aforementioned constraints, are we limited to a single 125 foot span or is construction of a pier with two spans an acceptable solution?

In response:

1. Yes, however you would need to estimate all required construction costs associated with this option. This would include changes in the resulting superstructure, all costs associated with the pier substructure, and any geotechnical and/or hydraulic considerations for the project.

If there are any other questions or concerns, I would be happy to answer them. I can be reached through email at michaelson@marshall.edu or my office phone at (304) 696-5606.

Sincerely,

Gregory K. Michaelson, Ph.D., P.E.

CC: BRAHMS Design Group, Truss-Worthy Engineering, In the Moment Engineering, Herd Engineering