

AMERICAN FORK RIVER DEBRIS BASIN  
ADMINISTRATIVE BOARD MEETING AGENDA  
THURSDAY, OCTOBER 7, 2021

NOTICE is hereby given that the American Fork River Debris Basin Administrative Board will meet in a regular session on Thursday, October 7, 2021 in the Highland City Conference Room, 5400 Civic Center Drive, Suite 100, Highland, Utah commencing at 12:00 p.m. The agenda shall be as follows:

ACTION ITEMS

- 1) ACTION TO APPROVE THE MINUTES OF THE APRIL 15, 2021 MEETING
- 2) ACTION TO APPROVE THE MINUTES OF THE JULY 8, 2021 MEETING
- 3) ACTION TO APPROVE INVOICES FOR PAYMENT
  - a) Horrocks – Outlet Modification Design – Invoice #63254 for \$2,833.44
  - b) Horrocks - Outlet Modification Design – Invoice #64019 for \$4,116.00
  - c) JoAnn Scott – Lunch invoice
- 4) ACTION TO ADOPT THE AMERICAN FORK RIVER DEBRIS BASIN ADMINISTRATIVE BOARD MEETING SCHEDULE FOR 2022

DISCUSSION ITEMS:

- 5) OUTLET STRUCTURE DESIGN REVIEW.
- 6) FALL HOUSEKEEPING.

OTHER ITEMS:

ADJOURMENT:

NEXT MEETING: JANUARY 6, 2022

**CERTIFICATE OF POSTING**

I, Jo Ann Scott, certify that the foregoing agenda was posted at the principal office of the public body, at the Lone Peak Fire Station and Lone Peak Police Station, on the Utah State website (<http://pmn.utah.gov>) and on Highland City's website ([www.highlandcity.org](http://www.highlandcity.org)).

In accordance with Americans with Disabilities Act, Highland City will make reasonable accommodations to participate in the meeting. Requests for assistance can be made by contacting the City Recorder at (801) 772-4505 at least three days in advance of the meeting.

**ELECTRONIC PARTICIPATION**

Members of the Administrative Board may participate electronically via telephone, Skype, or other electronic means during this meeting.

Please note the order of agenda items are subject to change in order to accommodate the needs of the Debris Basin Administrative Board, staff and the public.

Posted and dated this 30<sup>TH</sup> day of September, 2021

Jo Ann Scott, Highland City

**AMERICAN FORK RIVER DEBRIS BASIN  
ADMINISTRATIVE BOARD MEETING AGENDA  
THURSDAY APRIL 15, 2021**

The American Fork River Debris Basin Administrative Board met in a regular session on Thursday, April 15, 2021 in the Highland City Conference Room, 5400 Civic Center Drive, Suite 100, Highland, Utah commencing at 12:00 p.m.

Present: Scott Sensanbaugher, American Fork City  
Todd Trane, Highland City  
Kevin Anderson, City of Cedar Hills  
Ernie John, Basin Operator  
JoAnn Scott, Highland City

Also attending: John Scheiss, Horrocks Engineering

Kevin Anderson welcomed all present and called the meeting to order at 12:00p.m.

**ACTION ITEMS**

1. Action to approve the minutes of the January 28, 2021 meeting.

**MOTION: Scott Sensanbaugher moved to approve the April 15, 2021 minutes.** Seconded by Todd Trane . Voting was as follows:

|     |   |                     |
|-----|---|---------------------|
| Yes | - | Kevin Anderson      |
|     |   | Scott Sensanbaugher |
|     |   | Todd Trane          |
|     |   | Motion passes       |

2. Action to approve invoices for payment
  - a) Horrocks – Outlet Modification Design - \$2,900.50
  - b) Horrocks – Outlet Modification Design - \$1,732.00
  - c) JoAnn Scott – Lunch invoice - \$94.59
  - d) Horrocks – Outlet Modification Design - \$5,891.00

**MOTION: Todd Trane moved to approve the invoices as presented.** Seconded by Scott Sensanbaugher. Voting was as follows:

|     |   |                     |
|-----|---|---------------------|
| Yes | - | Kevin Anderson      |
|     |   | Scott Sensanbaugher |
|     |   | Todd Trane          |
|     |   | Motion passes       |

**DISCUSSION ITEMS:**

3. Outlet Structure Design Review.

John Schiess presented his design of the Debris Basin Outlet Structure and gave a presentation of the plans. John had provided the plans to the board for their review prior to the meeting. John has taken the existing structure and shown the proposed trash rack. The

idea is to create a flatter, larger, and longer rack that will allow equipment to reach down and clean the rack. He stated that these plans are 90% complete. The area on top would be covered with grating so that it can be walked out on. The gate replacement was not included in this design but John is aware that this is a concern of Ernie John. John stated that gates can be accessed from above for maintenance. To access the gates, they will need to be hinged.

John asked for input on the design. Todd asked if the additional pad to the side would be added as an additive. John stated that this is an additive. Ernie asked about the overall length of the grate. John stated that it is 11 feet tall and around 15.5 feet long. This grate will be much easier to clean.

The trash rack will have a grate with an H beam depth of 6" + so that the teeth of the equipment don't tear it up.

John and Ernie discussed gate replacement concerns. John will check with Dam Safety to see if they have any concerns with modifying the gates including their design and location.

John has a couple of minor changes to make and then will consult with Dam Safety on the changes.

The south pad and new gates are to be bid as additive alternates.

John presented cost estimates for the work as it is currently designed. He estimated that the cost would be around \$221,188.00 without the gates but does include the pads. The bid also did not include additional grading or a retrofit to the top of the structure to allow for vehicular traffic. He stated that his estimate did not account for the cost of materials increasing in the current construction climate.

The Board discussed the bridge structure and the option to upgrade it for vehicular traffic. Option 1 adds 'I' beams underneath, but Option 2 will widen it by cutting edges and adding I beams.

Option 2 may be \$50K with added railing.

The Board asked that option 2 be added as a bid alternate.

Additional design will have additional costs to Horrocks. John will get the Board an estimate as to what the additional designs will cost.

The desire is to have the bid ready to go out next spring and then build the structure in July 2022.

4. Spring Run-off prediction and preparation.

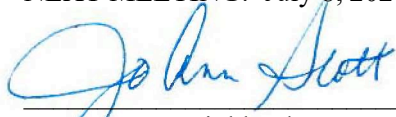
Ernie said that the long and the short of it is that there is no spring run-off to worry about this year.

**OTHER ITEMS:**

97  
98 **ADJOURNMENT:**  
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100 This meeting was adjourned on a motion by Todd Trane and seconded by Scott Sensanbaugher. Voting  
101 was unanimously.  
102

103 NEXT MEETING: July 8, 2021  
104

105 

106 JoAnn Scott, Highland  
107 Community Development/Public Works

DRAFT

**AMERICAN FORK RIVER DEBRIS BASIN  
ADMINISTRATIVE BOARD MEETING AGENDA  
THURSDAY JULY 8, 2021**

The American Fork River Debris Basin Administrative Board met in a regular session on Thursday, July 8, 2021 in the Highland City Conference Room, 5400 Civic Center Drive, Suite 100, Highland, Utah commencing at 12:00 p.m.

Present: Scott Sensanbaugher, American Fork City  
Andy Spencer, Highland City  
Ernie John, Basin Operator  
JoAnn Scott, Highland City

Kevin Anderson, City of Cedar Hills (Excused)

Also attending: John Scheiss, Horrocks Engineering, Jeff Maag, City of Cedar Hills.

Scott Sensanbaugher, Vice Chairman, excused Kevin Anderson and welcomed all present, calling the meeting to order at 12:04 p.m.

**ACTION ITEMS**

1. Action to approve the minutes of the April 15, 2021 meeting.

**MOTION: Scott Sensanbaugher moved to table the approval of the April 15, 2021 minutes due to the absence of Kevin Anderson.** Seconded by Andy Spencer. Voting was as follows:

|     |   |                     |
|-----|---|---------------------|
| Yes | - | Scott Sensanbaugher |
|     |   | Andy Spencer        |
|     |   | Jeff Maag           |
|     |   | Motion passes       |

2. Action to approve invoices for payment
  - a) Horrocks – Outlet Modification Design - \$1,313.94
  - b) JoAnn Scott – Lunch invoice - \$94.54

**MOTION: Jeff Maag moved to approve the invoices as presented.** Seconded by Andy Spencer. Voting was as follows:

|     |   |                     |
|-----|---|---------------------|
| Yes | - | Scott Sensanbaugher |
|     |   | Andy Spencer        |
|     |   | Jeff Maag           |
|     |   | Motion passes       |

3. Action to approve contract modification with Horrocks Engineering not to exceed \$15,000 for design work beyond original scope.

John Schiess stated that the original proposal was to do a design for the trash rack modifications and then do a study and comparison on how to address the bridge structure across the debris basin. As part of that, there were items that the Debris Basin Board identified that they wanted added to the design as well as have the design done. This modification in the amount of \$15,000 is for the additional work that was requested and the design of the bridge structure.

Andy clarified that this now transitions the work from concept level to design of the bridge structure.

Jeff identified additional 'I' beams under the existing bridge structure and widens it a little so that wider vehicles could get through. Jeff asked what kind weight load was it designed to hold. Ernie stated that the design was to handle a loaded semi. This will allow equipment to move across at any time and not have to go through the river channel.

Jeff asked what the financial impact would be to each city. Scott states that there is enough funding in the bank currently to cover the cost of the design. When the project is bid, then the cities would each be given a 1-time assessment for construction costs.

John provided cost estimates based on the prices of April 2021. The costs of goods and services are very volatile.

**MOTION: Jeff Maag moved to approve the contract modification for Horrocks Engineering not to exceed \$15,000 for additional design work beyond the original scope of the Debris Basin structure as presented.** Seconded by Scott Sensenbauger. Voting was as follows:

Yes -

Scott Sensenbauger

Andy Spencer

Jeff Maag

Motion passes

#### **DISCUSSION ITEMS:**

##### 4. Outlet Structure Design Review.

John stated that he will send out the latest design plans. There are a few changes that need to still be made. One of the items was the landing pad slope which he changed to 1%. He would also like to prepare a site plan and grading plan.

Jeff M stated that the slope of the concrete pad needs to be more than 1%. Andy thought that perhaps 1.5% would be a fair compromise. Jeff is concerned with drainage and asked that they consider something more in the 2% range. The slope was changed to 2%.

John is changing the access hatch in the grate for the ladder.

A change was made to the slab on the north side. The upper slab elevation is below the spillway lip.

Ernie asked about replacing the gates. John stated that he had not done much design on this until the change order was approved. He will get that going. He is planning to call out tough booms or log booms to catch debris.

Andy asked if there were a clip-off location for anyone working on the structure during high water. John will add some tie-off points in the structure access area.

##### 5. Seasonal Water Flows

Ernie stated that there is very little water this year as everyone knows. As we sit as a state, it could be the second lowest water year on record with the 1<sup>st</sup> in 1934 on record. John has a

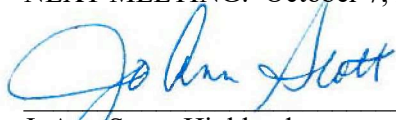
99 tracking sheet that he can provide on water runoff. John stated that we have delivered 164-acre  
100 feet of water less to date this year than in 1934. Ernie states that they are running 22.5-acre feet  
101 through Tibble Fork. The median is 95-acre feet. He stated that there is not much inflow  
102 between Tibble Fork and the weir. Inflow is usually at 10-acre feet and we are currently at 2.

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104 **OTHER ITEMS:**

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107 **ADJOURNMENT:**

108  
109 This meeting was adjourned on a motion by Andy Spencer and seconded by Jeff Maag. Voting was  
110 unanimously.

111  
112 NEXT MEETING: October 7, 2021

113  
114 

115 JoAnn Scott, Highland  
116 Community Development/Public Works

**HORROCKS ENGINEERS, INC.**

Remit Payment To - Attn: Accounting  
2162 West Grove Parkway, Suite 400  
Pleasant Grove, UT 84062  
Telephone (801) 763-5100

Todd Trane  
American Fork River Debris Basin Administrative Board  
5400 West Civic Center Dr Suite 1  
Highland, UT 84003

August 18, 2021  
Invoice No: 63254  
Project Manager: John Schiess  
Project Engineer: Brett Brady

Project UT-2775-2011 AF River Debris Basin Outlet Modifications

**Professional Services for the Period: June 1, 2021 to July 31, 2021**

Phase 01 Trash Rack Modifications

**Professional Personnel**

|                                   | Hours | Rate   | Amount |               |
|-----------------------------------|-------|--------|--------|---------------|
| Principal Engineer III            |       |        |        |               |
| Schiess, John                     | 3.00  | 201.00 | 603.00 |               |
| Engineer, P.E.                    |       |        |        |               |
| Pratt, J                          | 2.50  | 114.00 | 285.00 |               |
| Totals                            | 5.50  |        | 888.00 |               |
| <b>Total Labor &amp; Overhead</b> |       |        |        | <b>888.00</b> |

**Reimbursable Expenses**

|                                        |  |  |             |             |
|----------------------------------------|--|--|-------------|-------------|
| REIMB PROJECT MILEAGE                  |  |  |             |             |
| 7/8/2021 Schiess, John AF Debris Basin |  |  | 7.44        |             |
| <b>Total Reimbursables</b>             |  |  | <b>7.44</b> | <b>7.44</b> |

**Phase Total \$895.44**

Phase 03 Bridge Modifications

**Professional Personnel**

|                                   | Hours | Rate   | Amount   |                 |
|-----------------------------------|-------|--------|----------|-----------------|
| Engineer, P.E.                    |       |        |          |                 |
| Pratt, J                          | 17.00 | 114.00 | 1,938.00 |                 |
| Totals                            | 17.00 |        | 1,938.00 |                 |
| <b>Total Labor &amp; Overhead</b> |       |        |          | <b>1,938.00</b> |

**Phase Total \$1,938.00**

**Total Project Invoice Amount \$2,833.44**

**Billing Summary**

|               | Current         | Prior            | Total            | Received         |
|---------------|-----------------|------------------|------------------|------------------|
| Labor         | 2,826.00        | 21,052.50        | 23,878.50        |                  |
| Expense       | 7.44            | 15.24            | 22.68            |                  |
| Unit          | 0.00            | 32.50            | 32.50            |                  |
| <b>Totals</b> | <b>2,833.44</b> | <b>21,100.24</b> | <b>23,933.68</b> | <b>20,644.24</b> |



Outstanding Invoices

| Number | Date      | Balance |
|--------|-----------|---------|
| 62048  | 6/16/2021 | 456.00  |
| Total  |           | 456.00  |

# Billing Backup

Wednesday, August 18, 2021

|                          |                               |            |
|--------------------------|-------------------------------|------------|
| Horrocks Engineers, Inc. | Invoice 63254 Dated 8/18/2021 | 2:37:05 PM |
|--------------------------|-------------------------------|------------|

|         |              |                                            |
|---------|--------------|--------------------------------------------|
| Project | UT-2775-2011 | AF River Debris Basin Outlet Modifications |
| Phase   | 01           | Trash Rack Modifications                   |

## Professional Personnel

|                                   |          | Hours | Rate   | Amount |               |
|-----------------------------------|----------|-------|--------|--------|---------------|
| Principal Engineer III            |          |       |        |        |               |
| Principal Engineer III            |          |       |        |        |               |
| 1130 - Schiess, John              | 7/6/2021 | .50   | 201.00 | 100.50 |               |
| meeting set up                    |          |       |        |        |               |
| 1130 - Schiess, John              | 7/8/2021 | 2.50  | 201.00 | 502.50 |               |
| Review meeting                    |          |       |        |        |               |
| Engineer, P.E.                    |          |       |        |        |               |
| Engineer, P.E.                    |          |       |        |        |               |
| 1550 - Pratt, J                   | 6/2/2021 | 1.50  | 114.00 | 171.00 |               |
| Drafting                          |          |       |        |        |               |
| 1550 - Pratt, J                   | 6/3/2021 | 1.00  | 114.00 | 114.00 |               |
| Drafting                          |          |       |        |        |               |
| Totals                            |          | 5.50  |        | 888.00 |               |
| <b>Total Labor &amp; Overhead</b> |          |       |        |        | <b>888.00</b> |

## Reimbursable Expenses

|                            |          |                                          |  |             |                 |
|----------------------------|----------|------------------------------------------|--|-------------|-----------------|
| REIMB PROJECT MILEAGE      |          |                                          |  |             |                 |
| 000000040573               | 7/8/2021 | Schiess, John / AF Debris Basin / Design |  | 7.44        |                 |
|                            |          | Review Meeting / 12.00 miles @ 0.56      |  |             |                 |
| <b>Total Reimbursables</b> |          |                                          |  | <b>7.44</b> | <b>7.44</b>     |
| <b>Phase Total</b>         |          |                                          |  |             | <b>\$895.44</b> |

|       |    |                      |
|-------|----|----------------------|
| Phase | 03 | Bridge Modifications |
|-------|----|----------------------|

## Professional Personnel

|                                   |           | Hours | Rate   | Amount   |                 |
|-----------------------------------|-----------|-------|--------|----------|-----------------|
| Engineer, P.E.                    |           |       |        |          |                 |
| Engineer, P.E.                    |           |       |        |          |                 |
| 1550 - Pratt, J                   | 7/28/2021 | 1.50  | 114.00 | 171.00   |                 |
| Calcs                             |           |       |        |          |                 |
| 1550 - Pratt, J                   | 7/29/2021 | 9.00  | 114.00 | 1,026.00 |                 |
| Calcs                             |           |       |        |          |                 |
| 1550 - Pratt, J                   | 7/30/2021 | 6.50  | 114.00 | 741.00   |                 |
| Drafting                          |           |       |        |          |                 |
| Totals                            |           | 17.00 |        | 1,938.00 |                 |
| <b>Total Labor &amp; Overhead</b> |           |       |        |          | <b>1,938.00</b> |

**Phase Total** **\$1,938.00**

**Project Total** **\$2,833.44**

**Total this Report** **\$2,833.44**

**HORROCKS ENGINEERS, INC.**

Remit Payment To - Attn: Accounting  
2162 West Grove Parkway, Suite 400  
Pleasant Grove, UT 84062  
Telephone (801) 763-5100

Andy Spencer  
American Fork River Debris Basin Administrative Board  
5400 West Civic Center Dr Suite 1  
Highland, UT 84003

September 22, 2021  
Invoice No: 64019

Project Manager: John Schiess  
Project Engineer: Brett Brady

Project UT-2775-2011 AF River Debris Basin Outlet Modifications

**Professional Services for the Period: August 1, 2021 to August 31, 2021**

Phase 03 Bridge Modifications

**Professional Personnel**

|                                   | Hours | Rate               | Amount   |                   |
|-----------------------------------|-------|--------------------|----------|-------------------|
| Principal Engineer II             |       |                    |          |                   |
| Brady, Brett                      | 1.00  | 183.00             | 183.00   |                   |
| Engineer, P.E.                    |       |                    |          |                   |
| Pratt, J                          | 34.50 | 114.00             | 3,933.00 |                   |
| Totals                            | 35.50 |                    | 4,116.00 |                   |
| <b>Total Labor &amp; Overhead</b> |       |                    |          | <b>4,116.00</b>   |
|                                   |       | <b>Phase Total</b> |          | <b>\$4,116.00</b> |

**Total Project Invoice Amount \$4,116.00**

**Billing Summary**

|               | Current         | Prior            | Total            | Received         |
|---------------|-----------------|------------------|------------------|------------------|
| Labor         | 4,116.00        | 23,878.50        | 27,994.50        |                  |
| Expense       | 0.00            | 22.68            | 22.68            |                  |
| Unit          | 0.00            | 32.50            | 32.50            |                  |
| <b>Totals</b> | <b>4,116.00</b> | <b>23,933.68</b> | <b>28,049.68</b> | <b>20,644.24</b> |

**Outstanding Invoices**

| Number       | Date      | Balance         |
|--------------|-----------|-----------------|
| 62048        | 6/16/2021 | 456.00          |
| 63254        | 8/18/2021 | 2,833.44        |
| <b>Total</b> |           | <b>3,289.44</b> |

# Billing Backup

Horrocks Engineers, Inc.

Wednesday, September 22, 2021

Invoice 64019 Dated 9/22/2021

3:19:14 PM

|         |              |                                            |
|---------|--------------|--------------------------------------------|
| Project | UT-2775-2011 | AF River Debris Basin Outlet Modifications |
| Phase   | 03           | Bridge Modifications                       |

| Professional Personnel |           |                  | Hours | Rate              | Amount   |            |
|------------------------|-----------|------------------|-------|-------------------|----------|------------|
| Principal Engineer II  |           |                  |       |                   |          |            |
| Principal Engineer II  |           |                  |       |                   |          |            |
| 1140 - Brady, Brett    | 8/25/2021 | design           | 1.00  | 183.00            | 183.00   |            |
| Engineer, P.E.         |           |                  |       |                   |          |            |
| Engineer, P.E.         |           |                  |       |                   |          |            |
| 1550 - Pratt, J        | 8/18/2021 | Calcs & Drafting | 6.00  | 114.00            | 684.00   |            |
| 1550 - Pratt, J        | 8/19/2021 | Calcs & Drafting | 4.50  | 114.00            | 513.00   |            |
| 1550 - Pratt, J        | 8/23/2021 | Calcs & Drafting | 4.50  | 114.00            | 513.00   |            |
| 1550 - Pratt, J        | 8/24/2021 | Calcs & Drafting | 4.50  | 114.00            | 513.00   |            |
| 1550 - Pratt, J        | 8/25/2021 | Calcs & Drafting | 4.50  | 114.00            | 513.00   |            |
| 1550 - Pratt, J        | 8/26/2021 | Calcs & Drafting | 4.50  | 114.00            | 513.00   |            |
| 1550 - Pratt, J        | 8/27/2021 | Calcs & Drafting | 4.00  | 114.00            | 456.00   |            |
| 1550 - Pratt, J        | 8/30/2021 | Calcs & Drafting | 2.00  | 114.00            | 228.00   |            |
| Totals                 |           |                  | 35.50 |                   | 4,116.00 |            |
| Total Labor & Overhead |           |                  |       |                   |          | 4,116.00   |
|                        |           |                  |       | Phase Total       |          | \$4,116.00 |
|                        |           |                  |       | Project Total     |          | \$4,116.00 |
|                        |           |                  |       | Total this Report |          | \$4,116.00 |

AMERICAN FORK RIVER DEBRIS BASIN ADMINISTRATIVE BOARD  
SCHEDULE FOR 2022

The American Fork River Debris Basin Administrative Board will meet at their regularly scheduled meeting on October 7, 2021, adopted the meeting schedule for the year 2022.

The regular session begins at 12:00 p.m. Meetings will be held at the Highland City Offices, 5400 West Civic Center Drive, Suite 1, Highland, Utah.

The 2022 American Fork River Debris Basin Administrative Board Meeting Schedule is as follows:

January 6<sup>th</sup>  
January 20<sup>th</sup>  
April 7<sup>th</sup>  
July 7<sup>th</sup>  
October 8<sup>th</sup>

THE PUBLIC IS INVITED TO ATTEND ALL PLANNING COMMISSION MEETINGS.  
If you need a special accommodation to participate, please call JoAnn Scott at 801-772-4515

TO BE PUBLISHED IN THE *DAILY HERALD*