

Annette DeMaria, P.E., PMP
Executive Director



Working together, restoring the river

DRAFT AGENDA
EXECUTIVE COMMITTEE MEETING
July 25, 2023, 1:00 p.m.
Livonia DPW offices

1. **Welcome** – Doug Moore, Chair
2. **Roll Call of Members** (Newsome) and record of others present

<i>Alliance of Rouge Communities</i> <i>Executive Committee</i>		
Officers		
Chair	Doug Moore	Livonia
Vice-Chair	Charles Markus	Bloomfield Twp.
Treasurer	Rebecca Runkel	Novi
Past Chair	Brandy Siedlaczek	Southfield
Counties		
Oakland Co. – Rep.	Jim Nash	OCWRC
Oakland Co. – Alt.	Jacy Garrison	OCWRC
Washtenaw Co.- Rep.	Evan Pratt	WCWRC
Washtenaw Co.- Alt.	Heather Rice	WCWRC
Wayne Co. - Rep.	Patrick Cullen	WCDPS
Wayne Co. - Alt.	Vacant	WCDPS
SWAGs		
Main 1 & 2 - Rep.	Brandy Siedlaczek	Southfield
Main 1 & 2 - Alt.	<i>Vacant</i>	
Main 3 & 4 - Rep.	Tom Rowland	Redford Twp.
Main 3 & 4 - Alt.	<i>Vacant</i>	
Upper - Rep.	Karen Mondora	Farmington Hills
Upper - Alt.	Trisha Gabriel	Livonia
Middle 1 - Rep.	Bob Belair	Northville Twp.
Middle 1 - Alt.	Rebecca Runkel	Novi
Middle 3 - Rep.	Ramzi El-Gharib	Westland
Middle 3 - Alt.	<i>vacant</i>	
Lower 1 - Rep.	John Selmi	Canton Twp.
Lower 1 – Alt.	<i>Vacant</i>	
Lower 2 - Rep.	Mike Buiten	Wayne
Lower 2 - Alt.	Jerome Bivins	Inkster

Cooperating Partners:

Cranbrook Institute of Science
Friends of the Rouge
Great Lakes Water Authority
Rouge River Advisory Council
SEMCOG
Southeastern Oakland
County Water Authority
The Henry Ford

3. Friends of the Rouge Coordination	Information	
4. Additions or Changes to Draft Agenda		
5. Summary of March 21, 2023, Executive Committee Meeting	Action	
6. Executive Director Report (ARC Staff)		
A. Executive Director Staff	Discussion	
B. MS4 Permit	Discussion	
C. Investigational Sampling Update	Information	
D. PCB Settlement Checks	Discussion	
D. Grant Report	Information	4
E. Great Lakes Restoration Celebration at The Henry Ford 9/22/23	Information	
7. Standing Committee Reports		
A. <u>Finance Committee (Runkel, Treasurer/C. O'Meara)</u>		
1. A/P, A/R & Profit/Loss Report	Information	7
2. 2022 Single Audit (Related Party Questionnaire)	Information	
3. 2023 ARC Dues	Information	
4. Ratify E-mail Votes	Action	
a. 4/17/23: 9 yea 0 nay – Budget Amendment adding \$50,000 to the ARC's 2023 budget to conduct Investigational Sampling in the Evergreen Farmington Sanitary Sewer District 4.		
b. 4/26/23: 9 yea 0 nay - Adding Work Order 2023-3 for \$50,000 to ECT's contract to complete the work under the previously approved 2023 budget amendment for the Investigational Sampling in the Evergreen Farmington Sanitary Sewer District.		
c. 6/7/23: 8 yea 0 nay – Budget Amendment adding EPA GL-00E03452 EPA12 Merriman Hollow Restoration Design in the amount of \$215,000 and EPA13 Wallaceville West Restoration Design in the amount of \$150,000 along with the associated for ECT Work Order 2023-4.		
d. 6/28/23: 9 yea 0 nay – Budget Adjustment associated with ECT Work Order 2019-4 for EPA4 Tamarack/Fish Hatchery and Work Order 2019-3 for EPA5. Both adjustments will be 100% paid for by the EPA Grant funds using some of the unallocated EPA grant dollars with no change to the overall grant budgets.		
5. 2023 Budget Amendments		
a. Budget Amendment to EPA7 Rouge River AOC Habitat Restoration Implementation – Wayne County Parkland adding an additional \$894,273 to the project budget.	Action	11
b. Budget Amendment adding PIE3 Media Support in the amount of \$17,500.	Action	20
6. Contract Revisions/Amendments		
a. Revision to ECT Work Order 2020-5 EPA7	Action	24
b. Adding ECT Work Order 2023-5 Media Support	Action	27
c. EPA7 Riverview contract award to Anglin Civil	Action	28
7. 2024 ARC Budget Process	Information	
a. 5-year Work Plan		
b. Habitat & Executive Director Procurement of Services		

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| B. <u>Organization Committee</u> (Gabriel/O'Meara) | Information |
| 1. Status Report | |
| C. <u>PIE (Public Involvement and Education) Committee</u> (Garrison, Chair) | |
| 1. Status Report | Information |
| D. <u>Technical Committee</u> (Mondora, Chair) | |
| 1. Status Report | Information |

8. Report from Counties

9. Other Business

10. Summary of Executive Committee Actions (Newsome)

11. Upcoming Meetings

12. Adjourn

RRAC HABITAT RESTORATION PROJECTS STATUS – July 2023

Henry Ford Estate Dam Fish Passage

- Pedestrian barriers will remain in place at the maintenance bridge until September 2023.
- Contractor is finishing vegetation maintenance
- Full opening work is schedule for August 7th /8th.
- Project will be complete September 2023.

Nankin Lake Restoration

- Vegetation maintenance is finishing up this September. The contractor has some plants/trees to replace.

Johnson Creek Fish Hatchery Restoration

- Vegetation maintenance is finishing up this September. The contractor has some aquatic plants and a couple of plants to replace.
- Presentation given at Trout Unlimited meeting

Tamarack Creek Restoration

- Contractor will replace, in September, vegetation that did not survive.
- Contractor will complete fence installation in August 2023.
- Vegetation maintenance will occur in through October 2023.

Seeley Creek Habitat Restoration

- Contractor has completed all main work.
- Contractor will follow up this fall on invasives
- Vegetation maintenance will go through October.

Colonial Restoration

- All main work activities completed.
- Vegetation maintenance will be conducted through October 2023.
- Contractor working on punch list items.

Venoy Restoration

- All main work activities completed.
- Vegetation maintenance will be conducted through October 2023.
- Contractor working on punch list items.

Sherwood Restoration

- Vegetation maintenance will be conducted through October 2023.
- Contractor working on punch list items.

Bell Restoration

- Plantings were done in June 2023
- All main work activities completed.
- Vegetation maintenance will be conducted through September 2024.
- Contractor working on punch list items.

Lola Restoration

- Plantings were done in June 2023
- All main work activities completed.
- Vegetation maintenance will be conducted through September 2024.
- Contractor working on punch list items.

Lower Rouge

- Reforestation of final initial installations complete. Some matts to still to be installed.
- All log jam work completed.

Riverview Restoration

- Riverview was bid for contractors in June. Working on contractor contract at this time.
- Work anticipated to start in August 2023.

LTU Wetland Habitat Restoration

- Construction bidding and contractor contract completed.
- Wetland creation and invasive species work is under way and anticipated to be completed in August 2023.
- Vegetation plantings anticipated to occur in September 2023
- Vegetation maintenance in 2024.

Wilcox Lake Restoration

- EGLE permit issued.
- Construction bidding is currently in process, July 2023.
- Anticipated construction contract August 2023.
- Contractor to begin construction will in September 2023.

Phoenix Lake Restoration

- EGLE permit issued.
- Construction bidding is currently in process, July 2023.
- Anticipated construction contract August 2023.
- Contractor to begin construction will in September 2023.

Inkster Restoration

- Design is at 45%
- EGLE permit application to be submitted in summer 2023.
- Construction starts anticipated in later 2024.

Johnson Creek Intercounty Drain Restoration

- EGLE has requested additional sampling has been completed.
- EGEL permit still in application phase.
- Construction bid documents being completion anticipated early Fall 2023.
- Anticipation of bidding project late fall 2023.
- Construction to start 2024.

Firefighter Park – Sprague Drain Restoration

- Design and permitting being completed, anticipated November 2023.
- Implementation funding in process.
- Anticipated bidding early 2024 with 2024 construction.

Wallaceville Restoration

- EPA QAPP being drafted.
- Design field work anticipated early fall 2023.
- Design and permitting being completed late summer 2024.

Merriman Hollow Restoration

- EPA QAPP being drafted.
- Design field work anticipated early fall 2023.
- Design and permitting being completed late summer 2024.

Rouge River Concrete Channel

- Initial landowner engagement completed in 2022.
- EPA/USACE working on next SOW.
- Next phase of work anticipated to start in late fall 2023.

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07/19/23

Alliance of Rouge Communities
A/P Aging Summary
As of July 19, 2023

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
Friends of the Rouge	0.00	6,107.26	0.00	0.00	-772.00	5,335.26
Tina L. Cusac, CPA	0.00	1,568.00	0.00	0.00	0.00	1,568.00
TOTAL	0.00	7,675.26	0.00	0.00	-772.00	6,903.26

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07/19/23

Alliance of Rouge Communities
A/R Aging Summary
 As of July 20, 2023

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>> 90</u>	<u>TOTAL</u>
Dearborn Heights	0.00	0.00	0.00	12,026.00	0.00	12,026.00
EGLE - PAC grant	6,732.26	7,724.37	0.00	2,932.27	-772.00	16,616.90
MDEQ SAW Grant	0.00	0.00	0.00	0.00	0.00	0.00
Northville Township	0.00	0.00	0.00	0.00	14,000.00	14,000.00
Orchard Lake	0.00	0.00	0.00	149.00	0.00	149.00
Romulus	0.00	0.00	0.00	2,781.00	0.00	2,781.00
Schoolcraft College	0.00	0.00	0.00	994.00	0.00	994.00
Southfield	0.00	0.00	0.00	23,877.00	0.00	23,877.00
Wayne County Airport Authority	0.00	0.00	0.00	0.00	3,002.00	3,002.00
Wixom	0.00	0.00	0.00	747.00	0.00	747.00
TOTAL	<u>6,732.26</u>	<u>7,724.37</u>	<u>0.00</u>	<u>43,506.27</u>	<u>16,230.00</u>	<u>74,192.90</u>

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07/19/23

Accrual Basis

Alliance of Rouge Communities

Profit & Loss Budget vs. Actual

January through December 2023

	Jan - Dec 23	Budget
Ordinary Income/Expense		
Income		
47200 · Program Income		
4794 · 2023 ARC Membership Dues	350,412.00	350,412.00
Total 47200 · Program Income	350,412.00	350,412.00
47500 · Contributions		
47500.2 · Contributions-GLR Event brkfst	0.00	3,000.00
Total 47500 · Contributions	0.00	3,000.00
48000 · Grants		
60665 · WC EPA1 HFE Fishway	6,964.38	50,000.00
60667.1 · EPA4-Implement Tam/Johnson Crk	34,488.50	587,000.00
60667.2 · EPA5-Seeley Creek Hab Res	365,300.68	600,000.00
60667.5 · EPA7-WC 5 Parks Implementation		
6067.1 · EPA7A - Lower Implementation	40,189.43	
6067.2 · EPA7B - Sherwood Implementation	9,457.79	
6067.3 · EPA7C - Bell Implementation	22,910.19	
6067.4 · EPA7D - Lola Implementation	24,289.85	
6067.5 · EPA7E - Riverview Implementatio	40,756.17	
60667.5 · EPA7-WC 5 Parks Implementation - Other	0.00	2,237,250.00
Total 60667.5 · EPA7-WC 5 Parks Implementation	137,603.43	2,237,250.00
60667.6 · EPA6 Colonial and Venoy		
60667.3 · EPA6A-RR AOC Venoy	13,107.45	300,000.00
60667.4 · EPA6B-RR AOC Colonial	15,681.35	300,000.00
Total 60667.6 · EPA6 Colonial and Venoy	28,788.80	600,000.00
60670 · FS4 20-22 Reduce Runoff	25,183.58	197,402.00
60672 · EPA9 - Wil/Pho/Ink Design		
60672.1 · EPA9A - Wilcox Design	62,838.53	47,333.34
60672.2 · EPA9B - Phoenix Design	28,352.83	47,333.33
60672.3 · EPA9C - Inkster Design	8,370.00	47,333.33
Total 60672 · EPA9 - Wil/Pho/Ink Design	99,561.36	142,000.00
60674 · EPA10-Wil/Pho Implementation		
60674.1 · EPA10A - Wilcox Implementation	10,453.10	1,616,740.14
60674.2 · EPA10B - Phoenix Implementation	1,955.00	2,740,737.51
Total 60674 · EPA10-Wil/Pho Implementation	12,408.10	4,357,477.65
60675 · EPA11-LTU Implementaion	33,183.96	650,000.00
60676 · SPAC12 - RRAC Facilitation	11,281.64	51,500.00
Total 48000 · Grants	754,764.43	9,472,629.65
Total Income	1,105,176.43	9,826,041.65
Expense		
12013 · GLR event breakfast	0.00	3,000.00
60400 · ARC Awards and Grants		
60410 · Executive Director Services		
60410.2 · 101 Program Support	27,092.21	62,000.00
60410.3 · 102 MGT Admin & Financial	21,966.25	60,901.00
60410.4 · 103 Funding - grants	12,382.50	10,000.00
Total 60410 · Executive Director Services	61,440.96	132,901.00
60420 · Public Involv. & Education Com.		
60420.1 · PIE1-Col PEP/PPP Annual act.	21,238.40	51,280.00
60420.2 · PIE2-Col PEP/PPP 5yr activities	10,045.00	12,410.00
Total 60420 · Public Involv. & Education Com.	31,283.40	63,690.00
60430 · Technical Committee		
60430.5 · IDEP Investigations	4,981.22	40,000.00
60430.7 · TC4 Permit Reapplication Suppor	49,014.93	117,683.00
60432.1 · TC1-Col IDEP/TMDL annual	7,182.03	20,800.00
60432.2 · TC2-storm sewer IS/Dye/Repo 5yr	72.50	1,820.00
60432.3 · TC3-Collaborative TMDL permit	13,570.00	17,300.00
60432.4 · EFSDS Sampling	8,334.75	
Total 60430 · Technical Committee	83,155.43	197,603.00
Total 60400 · ARC Awards and Grants	175,879.79	394,194.00

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07/19/23

Accrual Basis

Alliance of Rouge Communities
Profit & Loss Budget vs. Actual
 January through December 2023

	Jan - Dec 23	Budget
60665.1 · EPA6 - Colonial and Venoy		
606658 · EPA6A-RR AOC Venoy	13,107.45	300,000.00
606659 · EPA6B-RR AOC Colonial	15,681.35	300,000.00
Total 60665.1 · EPA6 - Colonial and Venoy	28,788.80	600,000.00
606651 · WC EPA1 HFE Fishway	6,964.38	50,000.00
606655 · EPA5-Seeley Creek Hab Restor.	365,300.68	600,000.00
606656 · EPA4-Implement Tam/Johnson Crk	34,488.50	587,000.00
606660 · EPA7 WC 5 Park Implementation		
6066.1 · EPA7A - Lower R Implementation	40,189.43	
6066.2 · EPA7B - Sherwood Implementation	9,457.79	
6066.3 · EPA7C - Bell Crk Implementation	22,910.19	
6066.4 · EPA7D - Lola Implementation	24,289.85	
6066.5 · EPA7E - Riverview Implementatio	40,756.17	
606660 · EPA7 WC 5 Park Implementation - Other	0.00	2,237,250.00
Total 606660 · EPA7 WC 5 Park Implementation	137,603.43	2,237,250.00
606661 · FS4 20-22 Reduce Runoff	25,183.58	197,402.00
606663 · EPA9 - Wil/Phoe/Ink Design		
60666.2 · EPA9A - Wilcox Design	62,838.53	47,333.34
60666.3 · EPA9B - Phoenix Design	28,352.83	47,333.33
60666.4 · EPA9C - Inkster Design	8,370.00	47,333.33
Total 606663 · EPA9 - Wil/Phoe/Ink Design	99,561.36	142,000.00
606667 · EPA11 - LTU Implementation	33,183.96	650,000.00
606668 · EPA10-Wilcox/Phoenix Implement		
60666.5 · EPA10A - Wilcox Implementation	10,453.10	1,616,740.14
60666.6 · EPA10B - Phoenix Implementation	1,955.00	2,740,737.51
Total 606668 · EPA10-Wilcox/Phoenix Implement	12,408.10	4,357,477.65
606669 · SPAC12 - RRAC Facilitation	11,281.64	51,500.00
62100 · Contract Services		
62110 · FC1-Accounting Fees	10,723.00	20,500.00
62140 · FC1-Legal Fees	0.00	1,000.00
65120 · FC2-Insurance - D&O	0.00	1,500.00
65121 · Mailbox and web hosting fee	0.00	1,750.00
Total 62100 · Contract Services	10,723.00	24,750.00
Total Expense	941,367.22	9,894,573.65
Net Ordinary Income	163,809.21	-68,532.00
Net Income	163,809.21	-68,532.00



Working together, restoring the river

ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2023 BUDGET AMENDMENT: Finance Committee Amendment FC4

REQUEST DATE: June 19, 2023

LINE ITEM: EPA 7 Rouge River AOC Habitat Restoration Implementation - Wayne County Parkland – revised June 2023

COMMITTEE MAKING REQUEST: Finance Committee

BACKGROUND: The EPA awarded an original GLRI grant in the amount of \$4,222,090 to the ARC. The project period is from August 1, 2020 – December 31, 2023. **The ARC received a supplemental increase, in June 2023, of \$894,273 for a new total of \$5,116,363. This also extended the grant period until December 31, 2024.** The ARC will manage, implement, and oversee construction. The Catalog of Federal Domestic Assistance (CFDA) title is Great Lakes Program and the CFDA number is 66.469. The federal grant number is GL- 00E02896.

The Rouge River watershed is a designated AOC under the Great Lakes Water Quality Agreement (GLWQA) and has three Beneficial Use Impairments (BUIs) associated with fish and wildlife habitat: Degraded Fish and Wildlife Populations, Degradation of Benthos, Loss of Fish and Wildlife Habitat. The Rouge River Advisory Council (RRAC), the Public Advisory Council (PAC) for the Rouge AOC, finalized a list of projects with assistance from the ARC and Wayne County, that need to be completed in order to remove the habitat BUIs in March 2016. As part of that list, restoration at Wayne County's Riverview, Sherwood, Lola Valley, Bell Creek, and along the Lower Rouge River were considered as having significant impact on the removal of the BUIs. The result of these activities when implemented will result in restoration of will restore 122 acres of habitat and eliminate 10 debris jams.

The total compensation for this scope of services is \$5,116,363. The ARC will be reimbursed by EPA for 100% of this cost with no match requirement.

DESCRIPTION OF ANTICIPATED ACTIVITIES: Description of activities are included in Attachment A

RATIONALE (including why needed): This grant project will address three Beneficial Use Impairments (BUIs) associated with fish and wildlife habitat: Degraded Fish and Wildlife Populations, Degradation of Benthos, Loss of Fish and Wildlife Habitat.

BUDGET (including how the amount requested was established): This amendment will add \$30,000 to the 2023 budget with the remaining grant budget at the end of 2023 incorporated into future budgets as the project period is to December 31, 2024. The ARC will be reimbursed by 100% grant funds for this line item and it will not require any additional funds from the ARC.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: Work will be completed by the ARC Staff working with Wayne County.

Attachment A

ROUGE RIVER AOC HABITAT RESTORATION IMPLEMENTATION - WAYNE COUNTY PARKLAND

SUPPLEMENTAL REQUEST

This supplemental request is based on the need to allow for bidding, construction, and maintenance of the Riverview site project. The ARC has finished bidding/contracting for 4 of the 5 projects under this grant in Spring 2022. These projects all have been under construction this calendar year (with some carry over to 2023) and therefore have exact pricing for them. Projects have seen a significant increase in implementation costs occurring over the last few years and this was not any different with the 4 projects. With the bid/contract pricing for those 4 projects, the ARC updated the cost of the Riverview project based on these contract costs. As a result of all this, there is insufficient funds for the ARC to bid the remaining Riverview project with the “balance” of the original grant budget. Therefore, in order to bid and enter into a contract for construction for the Riverview site, with a contractor, the increase in the grant budget was needed.

Additionally, as mentioned in the last 2 semi-annual reports there is not any change to the MoPs. However, two site specific project items will no longer be implemented due to changes discovered in the field:

- The 200 ft of wildlife corridor culvert at the Bell Creek site will not be built. This is due to field assessments indicating that culvert in place still has some functionality and the crossing area is under a dirt road within the park that does not have much traffic (and only during daylight)
- Under the Lower Rouge Project the 10 fish structures made from the log jam removals within the Lower Rouge River will not be installed. During field assessments it was determined that there is an abundance of woody structure within the river already. The field work indicated that there is actually a more significant issue with the large log jams creating passage impediments to movement of aquatic species within the river. Therefore, more focus was placed on removal of the impediments. However, 657 logs from log jams were used to create habitat structure within the floodplain areas.

PROJECT ABSTRACT

The Rouge River watershed is a designated AOC under the Great Lakes Water Quality Agreement (GLWQA) and has three Beneficial Use Impairments (BUIs) associated with fish and wildlife habitat: Degraded Fish and Wildlife Populations, Degradation of Benthos, Loss of Fish and Wildlife Habitat. The Rouge River Advisory Council (RRAC), the Public Advisory Council (PAC) for the Rouge AOC, finalized a list of projects, approved by Michigan Department of Environment, Great Lakes and Energy (EGLE) and US EPA, that need to be completed in order to remove the habitat BUIs. As part of that list, five activities/projects were considered as having significant impact on the removal of the BUIs that include the restoration/creation of wetlands in the Wayne County, MI park system at Riverview Park, Sherwood Park, Bell Creek Park, Lola Valley Park and habitat restoration on the Lower Rouge River. The implementation of these activities will result in 122 acres of habitat restoration.

PROBLEM STATEMENT

During the last century, tributaries of the Rouge River have suffered from declining water quality, loss and impairment of aquatic habitat, and increased frequency and magnitude of peak flood flows, primarily due to increasing urbanization within the watershed. The flat river slope and the meandering channel could not pass the large flows associated with major precipitation events. Upstream urbanization continued to exacerbate this problem as runoff from increased amounts of impervious surfaces culminating in floods within downstream local communities. Water quality, though, has improved since 1992 thanks to the federally funded Rouge Project. Eighty nine of the 127 miles of the larger streams and tributaries in the watershed are

now free from public health threats associated with uncontrolled combined sewer overflow discharges. Additional water quality improvement is exhibited by increased dissolved oxygen levels needed to sustain fish and aquatic life. Increased populations and diversity of benthos, fish and wildlife have been measured along the river since 1999. Also, the U.S. EPA Office of Inspector General declared the Rouge Project “a blueprint for success” (EPA OIG report number 2002-P-00012).

The ARC has been successful as a leader in this watershed progress while also serving as the Rouge River Public Advisory Committee’s (PAC) fiduciary and coordinating organization. Many of the previously completed reports [Ex: Habitat Delisting Targets (2008), Rouge River Delisting Strategy (2012), Upper Rouge Delisting Strategy (2012), and Rouge River BUI Report Card (2013)] listed project types, in addition to specific projects, that needed to be completed in the watershed to remove the Habitat BUIs and delist the AOC have been implemented by the ARC. The USEPA, EGLE, MDNR, RRAC, ARC and our local members began facilitating the development of the formal list for removal of the Habitat BUIs in 2015. This work resulted in the development of a final Rouge AOC Habitat list that was approved by EGLE in March 2018. On that list were five projects that were considered by EGLE, MDNR and USEPA to be priority projects:

- **Lower Rouge River Habitat Restoration** –will eliminate 10 debris jams causing fish blockages and habitat degradation, and improving 80 acres of riparian forest habitat
- **Sherwood Park Wetland Restoration** – will create or restore 7 acres of habitat area
- **Bell Creek Park Wetland Restoration** - will create or restore 9 acres of habitat area
- **Lola Valley Park Wetland Restoration** - will create or restore 13 acres of habitat area
- **Riverview Park Wetland Restoration** - will create or restore 13 acres of habitat area

Anticipated Overall Restoration Outputs and Measures

- Total of 122 acres of habitat restored/created (includes 13.5 acres of invasive species control):
 - 14.5 acres of conversion from lawn to wet meadow
 - 6 acres of conversion from lawn to prairie
 - 2 acres of wetland reconnected to riparian wetland
 - 2 acres of wet meadow restored
 - 9.5 acres of riparian restored
 - 88 acres of forested riparian restored
- Eliminate minimum 10 debris jams causing potential fish blockages and habitat degradation

Great Lakes Restoration Initiative Action Plan III, Measures of Progress (MoPs) for the overall project when implementation is completed are:

- **Focus Area 2: Invasive Species** - Objective 2.2. Control established invasive species.
 - 2.2.1. Aquatic/terrestrial acreage controlled: 13.5 acres of invasive species management
- **Focus Area 4: Habitats and Species** - Objective 4.1. Protect and restore communities of native aquatic and terrestrial species important to the Great Lakes
 - 4.1.1. Acres of coastal wetland, nearshore, and other habitats restored, protected, or enhanced: 122 acres of habitats.

Each of the five Rouge River AOC Habitat Restoration Implementation – Wayne County Parkland Project activities conducted under this grant are discussed below.

LOWER ROUGE RIVER HABITAT RESTORATION

The Lower Rouge River Habitat Restoration project will improve fish and wildlife habitat along a seven mile stretch of the Lower Rouge River in Wayne County, roughly centered on Wayne, Michigan. Problematic debris jams block fish movement, erode streambanks, and degrade habitat quality. Therefore a minimum of 10 log jams will be removed to eliminate these concerns.

The project reach contains several hundred acres of forested riparian corridor along the Lower Rouge River that offers valuable wildlife habitat. However, habitat has been impacted by loss of ash trees due to the emerald ash borer

infestation. Research conducted from 2003 to 2010 suggests that approximately 10% of the basal area was comprised of ash trees within river floodplains and corridors of the Rouge River Watershed, including the Lower Rouge River corridor. Therefore, approximately 10% of the tree canopy has also been lost. Replanting native trees in open canopy areas of the forested corridor will significantly improve wildlife habitat within 80 acres of riparian forest along the Lower Rouge River.

The ARC is also working under an EPA GLRI Grant (GL - 00E02830) for Colonial Park and Venoy Park Wetland Restoration project. This project is co-located within the Lower Rouge River Parkway and Lower Rouge River Habitat Restoration project area. Therefore, combined with the Lower Rouge River Habitat Restoration project, this will increase overall project outputs within a six-mile reach of the Lower Rouge River.

Anticipated Restoration Outputs and Measures

The Lower Rouge River Habitat Restoration project will produce the following outputs and GLRI Action Plan III MoPs:

Outputs

- Eliminate minimum of 10 debris jams causing potential fish blockages and habitat degradation
- 80 acres of improved riparian forest habitat

Measures

Great Lakes Restoration Initiative Action Plan III, Measures of Progress (MoPs) for the Lower Rouge project when implementation is completed are:

- Focus Area 4: Habitats and Species - Objective 4.1. Protect and restore communities of native aquatic and terrestrial species important to the Great Lakes
 - 4.1.1. Acres of coastal wetland, nearshore, and other habitats restored, protected, or enhanced: 80 acres of habitats.

SHERWOOD PARK WETLAND RESTORATION

Sherwood Park is located adjacent to the Middle Rouge River in the City of Westland. Most of the park area is routinely mowed and used for active recreation. However, the park is low lying and routinely floods. The project plan proposes to create in place of the maintained lawn areas wet meadow habitat and depression wetlands. Wetlands located north of Hines Drive will be hydrologically reconnected to the habitat located south of Hines Drive which is riparian to the Middle Rouge River. The reconnection will use a culvert with a natural bottom to accommodate a hydrologic connection as well as serve as a travel corridor under Hines Drive for small mammals, reptiles, and amphibians. Maintained lawn areas will be converted to wet meadow by planting with native plant species. The wet meadow community will contain diverse native forbs that provide food and habitat for pollinators. Small mammals and birds will benefit by the increased habitat diversity and cover. Wetland diversity in the maintained lawn areas will also be increased by excavating shallow depressions in low lying areas that flood more routinely. The depression wetlands will store water that will provide habitat for amphibians. The more diverse topography will increase plant diversity in the wet meadow by creating varying hydrological conditions.

Additionally, the riparian habitat next to the river will be restored and enhanced with planting of native vegetation.

Anticipated Restoration Outputs and Measures

The Sherwood Park Wetland Restoration project will produce the following outputs and GLRI Action Plan III MoPs:

Outputs

- Total of 7.0 acres of habitat created/restored/enhanced
 - 4.5 acres of conversion from lawn to wet meadow and water habitat
 - 1.5 acres of riparian habitat restoration
 - 1.0 acres of wetland reconnected
- 100 ft of wildlife corridor culvert

Measures

Great Lakes Restoration Initiative Action Plan III, Measures of Progress (MoPs) for the Sherwood project when implementation is completed are:

- Focus Area 4: Habitats and Species - Objective 4.1. Protect and restore communities of native aquatic and terrestrial species important to the Great Lakes
 - 4.1.1. Acres of coastal wetland, nearshore, and other habitats restored, protected, or enhanced: 7.0 acres of habitats.

BELL CREEK PARK WETLAND RESTORATION

Bell Creek Park is located adjacent to Bell Creek (a tributary of the Upper Rouge River) in Redford Township. Most of the park area is routinely mowed and used for active recreation. However, the park is low lying and routinely floods. The project plan proposes to create wet meadow habitat and enhance existing forested riparian habitat by controlling invasive species and planting native seed, shrub, and tree species to increase plant diversity.

Wetlands located west of Bell Creek Road will be hydrologically reconnected to wetlands located east of Bell Creek Road along Bell Creek using a culvert with a natural bottom. Existing wetlands in forested areas will be restored by managing invasive species and planting native tree species to replace canopy loss caused by the emerald ash borer. Native shrubs and forbs will also be planted to increase plant diversity and provide wildlife food. Maintained lawn areas will be restored by creating a wet meadow. The wet meadow community will contain diverse flowering vegetation that provide food and habitat for pollinators. Small mammals and birds will benefit by the increased habitat diversity and cover. Excavated soil can be used onsite to raise an existing maintenance road and area that must remain to support existing park uses and maintenance.

Anticipated Restoration Outputs and Measures

The Bell Creek Park Wetland Restoration project will produce the following outputs and GLRI Action Plan III MoPs:

Outputs

- 9.0 acres of habitat created/restored
 - 2.0 acres of conversion from lawn to wet meadow
 - 1.0 acres of wetland restored
 - 6.0 acres of riparian habitat created/restored/enhanced
- 6.0 acres of invasive species treatment included

Measures

Great Lakes Restoration Initiative Action Plan III, Measures of Progress (MoPs) for the Bell project when implementation is completed are:

- Focus Area 2: Invasive Species - Objective 2.2. Control established invasive species.
 - 2.2.1. Aquatic/terrestrial acreage controlled: 6.0 acres of invasive species management
- Focus Area 4: Habitats and Species - Objective 4.1. Protect and restore communities of native aquatic and terrestrial species important to the Great Lakes
 - 4.1.1. Acres of coastal wetland, nearshore, and other habitats restored, protected, or enhanced: 9.0 acres of habitats.

LOLA VALLEY PARK WETLAND RESTORATION

Lola Valley Park is located along the floodplain and corridor of the Upper Rouge River in Redford Township. Most of the park area is routinely mowed and used for active recreation. The project plan proposes to create wet meadows and prairies in maintained lawn areas. Emergent wetland plants will also be installed in the bottom of depressions excavated along both sides of the River. Riprap weirs will be used to control release of water out of the wetlands once flood flows recede. Excavated soils will be placed in the floodplain along high ridges and natural berms such that the excavation and fill within the floodplain balances. Breaks in the berms will allow water to flow freely between the river and wetlands. Additionally, current wet meadow areas will be restored through removal of non-native vegetation and planting of natives species.

Anticipated Restoration Outputs and Measures

The Lola Valley Park Wetland Restoration project will produce the following outputs and GLRI Action Plan III MoPs:

Outputs

- 13 acres of habitat restoration/creation

- 6 acres of lawn conversion to wet meadow
- 5 acres of lawn conversion to prairie
- 2 acres of wet meadow restoration

Measures

Great Lakes Restoration Initiative Action Plan III, Measures of Progress (MoPs) for the Lola project when implementation is completed are:

- Focus Area 4: Habitats and Species - Objective 4.1. Protect and restore communities of native aquatic and terrestrial species important to the Great Lakes
 - 4.1.1. Acres of coastal wetland, nearshore, and other habitats restored, protected, or enhanced acres of habitats: 13.0 acres of habitats

RIVERVIEW PARK WETLAND RESTORATION

Riverview Park is located along Hines Drive within the City of Livonia, west of Wayne Road and east of Newburgh Road. Much of the area is wooded, but a gravel public road and asphalt bike/walking path runs alongside the river throughout the area, causing habitat fragmentation. Most of the road and path are located in the 100-year floodplain and are routinely flooded. At this site, wetland restoration and lawn conversion to habitat is proposed. To accomplish this, the road will be shortened, and the path will be moved north along the north edge of the floodplain to reduce habitat fragmentation. This will reduce the gravel road surface area and path surface area within the wetlands. Gravel will be removed from the abandoned road surface and asphalt from the path. Then the soil will be amended with topsoil. Following soil amendment, native trees and shrubs will be planted using containerized stock. Native herbaceous plants will be established via seed and plugs. The turf grass will be killed with herbicide and tilled. Herbicide will be applied again after tilling to kill any new growth. Then the areas will be planted with native seed and shrubs from containerized stock. Within the remaining forested area, invasive shrubs and herbaceous plants (e.g., buckthorn, honeysuckle, and garlic mustard) will be removed by cutting and herbicide application. Supplemental native vegetation will be installed.

Anticipated Restoration Outputs and Measures

The Riverview Park Wetland Restoration project will produce the following outputs and GLRI Action Plan III MoPs:

Outputs

- Total of 13 acres of native habitat created/restored
 - 2.0 acres of conversion of lawn to wet meadow
 - 1.0 acres of conversion of lawn to prairie
 - 8.0 acres of forested/riparian wetland restored
 - 2.0 acres of riparian habitat restored
 - Total of 7.5 acres of invasive species treatment included

Measures

Great Lakes Restoration Initiative Action Plan III, Measures of Progress (MoPs) for the Riverview project when implementation is completed are:

- Focus Area 2: Invasive Species - Objective 2.2. Control established invasive species.
 - 2.2.1. Aquatic/terrestrial acreage controlled: 7.5 acres of invasive species management
- Focus Area 4: Habitats and Species - Objective 4.1. Protect and restore communities of native aquatic and terrestrial species important to the Great Lakes
 - 4.1.1. Acres of coastal wetland, nearshore, and other habitats restored, protected, or enhanced: 13 acres of habitats.

PROPOSED WORK

The ARC proposes the following tasks in order to complete the Rouge River AOC Restoration Implementation – Wayne County Parkland projects.

Task 1. Grant Reporting/Administration/Public Outreach – Overall Grant/Projects

This task includes the following elements associated with the overall grant and projects that will be completed:

- Grant Management Activities - Grant management services will be provided along with assurance that terms and conditions of the grant are being complied with.

- EAGL Reporting - The Environmental Accomplishments in the Great Lakes (EAGL) semi-annual reporting will be prepared and submitted.
- Health and Safety Hazard Assessment – A site specific safety hazard assessment will be developed for the project. Potential hazards will be identified, and steps will be outlined to reduce risk to employees and visitors to the site.
- QAPP Development - In accordance with federal requirements all environmental measurements undertaken in support of this project will be required to be conducted under a formal quality management protocol. A project specific QAPP will be prepared and submitted for review and approval prior to beginning any data collection activities.
- Coordinate with Partners –Coordination between partners and stakeholders in the project will be provided. Throughout the process, active participation will be fostered among the stakeholders.
- Public Outreach –The Alliance of Rouge Communities (ARC) will post information related to the project under this grant on the ARC web site. Informational flyers will be distributed to interested organizations and the public at large.
- Final Report – A comprehensive final report summarizing all the completed activities will be prepared in draft form and submitted for review. Comments received will be incorporated into a final version for submittal.

Deliverables: Semi- Annual Reporting, QAPP, Flyer, Final Report

Task 2. Construction Contractor Selection

The contractor bidding processes will be administered, including issuing the bid package, and selection of the construction contractor. The sites will most likely be bundled into groups for bidding and contractor selection. At this time, it is anticipated that the bidding packages would be Lower Rouge and Sherwood, Bell and Lola, and Riverview. This task will include the following subtasks to aid the in the procurement of a qualified contractor for each construction project.

- Prepare a Pre-Bid Meeting agenda;
- Prepare for a Pre-Bid Meeting, to include a site field trip;
- Respond to questions for clarification on the contract documents;
- Prepare, as needed, Addendum for the bid process;
- Review/analysis of Contractor's bids;
- Budget vs. Bid analysis and site recommendations

Deliverables: Construction Contractor Contracts

Task 3. Construction/Construction Oversight

The contractors selected will complete the construction in accordance with the construction documents. The contractor will obtain all permits required for the physical construction activities. Quantitative and qualitative measures will be employed

Field Engineering Oversight Services

This will include all functions and activities necessary to provide the oversight necessary so that all materials provided, and work performed is in conformance with the project plans and specifications. The functions and activities of this task include those typically associated with a project of this nature, including:

- Prepare for and conduct a Pre-Construction site inspection and meeting;
- Respond to inquiries and /or requests for information;
- Attend construction site meetings;
- Review and approve shop drawings and submittals;
- Assist in resolution of issues that arise during construction of the project;
- Provide on-site oversight at intervals appropriate to the various stages of construction in order to observe the contractor's activities to verify that the progress and quality of the project is being constructed in conformance with the project plans and specifications;
- Verify that the contractor uses equipment and methods approved in or specified by the contract;
- Inspect materials to be used in the work, verifying they meet the project specifications;
- Verify that the contractor complies with all contract requirements related to the protection of utilities, property, and the environment;

- Verify that the contractor complies with all permit requirements as they pertain;
- Provide design engineering, specification, and design drawing development when changes or modifications to the project plans are necessary; and
- Conduct site walks with the Contractor to develop the project “punch list” and for updating of those items;
- Conduct an inspection to determine if the work is substantially complete for acceptance as it relates to the contract documents and time.

Administration Oversight Services

Project, installation, and assembly administration tasks typically associated with a project of this nature, included:

- Review proposals/claims and make recommendations related to contract modifications, extra work, extra compensation, and/or extensions of contract time;
- Process and maintain records for contract modifications and/or work order;
- Review and approve or make recommendations on Contractor construction estimates;
- Track and maintain status of miscellaneous submittals and Requests for information;
- Review and balance all pay item quantities;
- Provide complete project documentation and files, specifically as they relate to meeting minutes, submittals, contract modifications, work orders, test reports, and interim progress estimates; and
- Review Contractor’s final submission of “as-builts” plans for compliance with the specifications and the work complete.

Deliverables: Submittals, field notes, field meeting minutes, and As-Builts

Milestone Schedule- Updated

Task 1 – Grant Reporting/ Public Outreach	August 2020 – December 2024
• Grant Mngmt/ Public Outreach	October 2023
• EAGL Reporting	October 2024
• QAPP	November 2020
• Final Report	December 2024
Task 2 - Contractor Selection	May 2021- January 2023
• Lower Rouge – Log Jams	August 2021
• Lower Rouge – Reforestation	May 2021
• Sherwood Restoration	January 2022
• Bell & Lola Restoration	March 2022
• Riverview Restoration	January 2023
Task 3 – Construction/Construction Oversight	July 2021 - August 2024
• Lower Rouge – Log Jams	August 2021 – July 2022
• Lower Rouge – Reforestation	July 2021 – May 2024
• Sherwood Restoration	May 2022 – November 2023
• Bell & Lola Restoration	April 2022 – June 2024
• Riverview Restoration	March 2023 – October 2024

Budget Summary Rouge River AOC Habitat Restoration Implementation - Wayne County Parkland GL - 00E02896									
SF424 Categories	Original		Original Shifts		Supplemental		Revised		
	Estimated Cost	Grant	Estimated Cost	Grant	Estimated Cost	Grant	Estimated Cost	Total Grant	
Total Personnel Cost		\$0		\$0		\$0			\$0
Total Fringe		\$0		\$0		\$0			\$0
Total Overhead		\$0		\$0		\$0			\$0
Travel (Federal rate)		\$0		\$0		\$0			\$0
Supplies		\$0		\$0		\$0			\$0
Equipment		\$0		\$0		\$0			\$0
Contractual Costs		\$4,222,090		\$4,222,090		\$894,273			\$5,116,363
Contractor -Lower Rouge Restoration	\$739,500								
Contractor -Reforestation			\$136,730				\$136,730		
Contractor - Log Jams			\$385,335				\$385,335		
Contractor -Sherwood Restoration	\$302,000		\$519,435		\$17,750		\$537,185		
Contractor -Bell Creek Restoration	\$387,500		\$387,500		\$180,439		\$567,939		
Contractor -Lola Valley Restoration	\$604,000		\$604,000		\$116,562		\$720,562		
Contractor -Riverview Restoration	\$1,657,250		\$1,657,250		\$479,522		\$2,136,772		
Environmental Consulting & Technology, Inc.	\$531,840		\$531,840		\$100,000		\$631,840		
	\$4,222,090		\$4,222,090		\$894,273		\$5,116,363		
Other		\$0		\$0		\$0			\$0
Total Grant Cost		\$4,222,090		\$4,222,090		\$894,273			\$5,116,363



Working together, restoring the river

ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2023 BUDGET AMENDMENT: Finance Committee Amendment FC5

REQUEST DATE: July 14, 2023

LINE ITEM: PIE3 Media Support

COMMITTEE MAKING REQUEST: PIE Committee

BACKGROUND: As the ARC's collaborative efforts and restoration projects in the watershed continue to grow and be completed, ARC staff feel that having a media firm available to promote ARC activities and events through TV coverage and news/magazine articles would benefit the ARC's mission and all of the ARC member communities. Attached is a proposal from Near Perfect Media (NPM) who has been working with Friends of the Rouge and the Clinton River Watershed Council in a similar capacity. ARC Staff is recommending that ECT contract with NPM to provide media services. They work on a retainer fee for service that can be used on an as-needed basis. ARC Staff anticipate this retainer covering media activities in 2023, 2024 and potentially 2025.

For 2023 ARC staff anticipate using them to promote press coverage of the Great Lakes Restoration Celebration at The Henry Ford on 9/22/23 along with a magazine/news article on an ARC restoration project or the ARC's collaborative efforts in the watershed.

The total compensation for this scope of services is \$17,500 and will come out of the ARC's unallocated funds.

DESCRIPTION OF ANTICIPATED ACTIVITIES: ARC Staff and NPM will provide the following activities.

Task 1 – Media Support

- Federal representative tour coverage
- Restoration project opening events with member communities
- Great Lakes Restoration Celebration media coverage
- ARC member collaborative successes
- ARC restoration projects
- Awards for ARC activities and projects

RATIONALE: The 2023 budget must be adjusted to reflect this additional expense.

BUDGET: This amendment adds the PIE3 Media Support (total expense is \$17,500) budget to the PIE3 line item to the 2023 ARC Budget.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: Work will be completed by the ARC Staff and Near Perfect Media.

GOAL

Increase overall awareness of the ARC and build brand awareness of the organization's expertise, programs, services, members and team.

TACTICS

Critical elements of a communications strategy include, but are not limited to:

- Media relations
- Thought leadership
- Strategic events

MEDIA RELATIONS

Near Perfect Media's team members have extensive experience in elevating brands and drawing attention to critical issues for a variety of non-profit and corporate entities throughout Michigan.

KEY MESSAGES/Q&A DOCUMENT:

Working with ARC, we will review and refine key messages and speaking points to be used in all media relations material and engagement. We will also develop a strategic Q&A document to address more frequently asked questions from journalists.

DIGITAL PRESS MATERIAL DEVELOPMENT:

A digital press kit will be the basis for all media relations activities and should be housed on the ARC website. We will conduct a communications audit and if need be, work with you to create:

- Fact sheets
- Leadership biographies
- A repository of approved images, graphics and videos
- A calendar of key events

MEDIA TRAINING:

Through media training and mock interviews, we will ensure ARC spokespeople are prepared for any interviews and speaking engagements.

MEDIA TARGETS:

- General public
- Business
- Trade outlets (non-profit, energy & environment)



**Detroit
Free Press**



**CRAIN'S
DETROIT BUSINESS**



Hometown Life
PART OF THE USA TODAY NETWORK





**THE
OAKLAND
PRESS**

MEDIA RELATIONS - NEWS BUREAU:

One successful tool we utilize for clients is a news bureau. This is a consistent cadence of print, broadcast and online opportunities to allow ARC spokespersons to highlight and raise awareness of the vast programs and services offered by the organization. We will identify vertical themes as well as story angles within those themes and pitch to targeted media. Following are examples of themed stories.

Sample News Bureau:

Topic	Sample Pitch	Targets
Spring flooding, stormwater management and CSOs	Pitch how to prevent homes from flooding and the importance of infrastructure improvements throughout communities in the watershed.	
Prepare for boating, kayaking, canoeing season (May)	Distribute a tips sheet and set up media interviews on clean boating and river-friendly behaviors.	
Watershed Restoration - invasive species	Pitch local media about how to identify and the importance of invasive species control.	
Community Research projects	ARC completes and shares the results of a study about X.	 



EXECUTIVE VISIBILITY

We will help identify written opinion opportunities, speaking roles and award opportunities for ARC experts to further build the organization's brand and highlight areas of expertise.

KEY EVENTS

Working with the ARC team, we can help amplify key events through media relations and social media to help raise awareness, increase attendance, donations, etc.

METRICS

Near Perfect Media has some of the best media analysis tools in the marketplace to measure the results of this program. The tools include:

- Muckrack (media and influencer database)
- TVEyes (broadcast coverage)

We will deliver regular coverage reports and track the advertising value equivalency.

BUDGET

To meet your earned media goals and create an ongoing cadence of news to increase awareness of ARC, we propose an initial retainer of \$15,000, which equates to 75 hours of service. The hours can be used as frequently, or infrequently, as needed.

YOUR NEAR PERFECT MEDIA TEAM

Sara Locricchio has more than 25 years of experience in nearly all facets of communications on both the client and agency sides. Her expertise and passion lie in strategic media relations, media events, brand building, community relations, employee engagement and issues management. Sara spent more than a decade at Mullen, and then MSL Group, supporting many communications functions at General Motors including GM's Energy & Environment Strategy Board and General Motors Advanced Technology/Electrification Communications team. She currently supports a variety of clients in the technology, automotive, health & human services, non-profit and energy & environment sectors.



Chelsea Heckathorn has been a journalist for nearly a decade, working as a news producer for multiple broadcast news stations. While she loved working in TV news, she's expanded her passion for storytelling by helping our clients effectively share their stories and further build their brand presence. She currently supports clients such as Michigan Orthopaedic Surgeons, Oakland Family Services, Easterseals MORC, Ven Johnson Law, and others.



WORK ORDER No. 2020-5 (revised June 2023)
EPA7 Rouge River AOC Habitat Restoration Implementation - Wayne County Parkland Grant

This Work Order, when approved and signed, supplements the Master Services Agreement effective January 1, 2019 between Environmental Consulting & Technology, Inc., and its Affiliates (ECT Affiliates include Environmental Consulting & Technology of North Carolina, PLLC And ECT Engineering, LLC.), (Consultant) and the Alliance of Rouge Communities (ARC). Except as modified herein, all requirements of this basic Agreement remain in force.

The ARC has been given a grant for the ROUGE RIVER AOC HABITAT RESTORATION IMPLEMENTATION - WAYNE COUNTY PARKLAND from US EPA. The Catalog of Federal Domestic Assistance (CFDA) title is Great Lakes Program and the CFDA number is 66.469. The federal grant number is GL-00E02896-1.

PARAGRAPH I--SCOPE OF SERVICES

ECT as ARC staff will be responsible for the following task summaries,

Task 1. Grant Reporting/Administration/Public Outreach – Overall Grant/Projects

- Grant Management Activities - Grant management services will be provided along with assurance that terms and conditions of the grant are being complied with.
- EAGL Reporting - The Environmental Accomplishments in the Great Lakes (EAGL) semi-annual reporting will be prepared and submitted.
- Health and Safety Hazard Assessment – A site specific safety hazard assessment will be developed for the project. Potential hazards will be identified, and steps will be outlined to reduce risk to employees and visitors to the site.
- QAPP Development - In accordance with federal requirements all environmental measurements undertaken in support of this project will be required to be conducted under a formal quality management protocol. A project specific QAPP will be prepared and submitted for review and approval prior to beginning any data collection activities.
- Coordinate with Partners –Coordination between partners and stakeholders in the project will be provided. Throughout the process, active participation will be fostered among the stakeholders.
- Public Outreach –Post information related to the project on the ARC web site. Informational flyers will be distributed to interested organizations and the public at large.
- Final Report – A comprehensive final report summarizing all the completed activities will be prepared in draft form and submitted for review. Comments received will be incorporated into a final version for submittal.

Deliverables: Semi- Annual Reporting, QAPP, Final Report

Task 2. Construction Contractor Selection

The contractor bidding processes will be administered, including issuing the bid package, and selection of the construction contractor. The sites will most likely be bundled into groups for bidding and contractor selection. At this time, it is anticipated that the bidding packages would be Lower Rouge and Sherwood, Bell and Lola, and Riverview. This task will include the following subtasks to aid the in the procurement of a qualified contractor for each construction project.

- Prepare a Pre-Bid Meeting agenda;
- Prepare for a Pre-Bid Meeting, to include a site field trip;
- Respond to questions for clarification on the contract documents;
- Prepare, as needed, Addendum for the bid process;
- Review/analysis of Contractor's bids;
- Budget vs. Bid analysis and site recommendations

Deliverables: Construction Contractor Contracts

Task 3. Construction Oversight

Field Engineering Oversight Services

This will include all functions and activities necessary to provide the oversight necessary so that all materials provided, and work performed is in conformance with the project plans and specifications. The functions and activities of this task include those typically associated with a project of this nature, including:

- Prepare for and conduct a Pre-Construction site inspection and meeting;
- Respond to inquiries and /or requests for information;
- Attend construction site meetings;
- Review and approve shop drawings and submittals;
- Assist in resolution of issues that arise during construction of the project;
- Provide on-site oversight at intervals appropriate to the various stages of construction in order to observe the contractor's activities to verify that the progress and quality of the project is being constructed in conformance with the project plans and specifications;
- Verify that the contractor uses equipment and methods approved in or specified by the contract;
- Inspect materials to be used in the work, verifying they meet the project specifications;
- Verify that the contractor complies with all contract requirements related to the protection of utilities, property, and the environment;
- Verify that the contractor complies with all permit requirements as they pertain;
- Provide design engineering, specification, and design drawing development when changes or modifications to the project plans are necessary; and
- Conduct site walks with the Contractor to develop the project "punch list" and for updating of those items;
- Conduct an inspection to determine if the work is substantially complete for acceptance as it relates to the contract documents and time.

Administration Oversight Services

Project, installation, and assembly administration tasks typically associated with a project of this nature, included:

- Review proposals/claims and make recommendations related to contract modifications, extra work, extra compensation, and/or extensions of contract time;
- Process and maintain records for contract modifications and/or work order;
- Review and approve or make recommendations on Contractor construction estimates;
- Track and maintain status of miscellaneous submittals and Requests for information;
- Review and balance all pay item quantities;
- Provide complete project documentation and files, specifically as they relate to meeting minutes, submittals, contract modifications, work orders, test reports, and interim progress estimates; and
- Review Contractor's final submission of "as-builts" plans for compliance with the specifications and the work complete.

Deliverables: Field notes and field meeting minutes

PARAGRAPH II--COMPENSATION

The maximum cost of this Cost Reimbursable not-to-exceed Work Order is increased by \$100,000 from \$531,840 to \$631,840. ECT's by task estimated costs for the grant, as approved by the revised EPA budget package, to the ARC are:

Rouge River AOC Implementation - Wayne County Parkland Environmental Consulting & Technology, Inc.		Lower Rouge Restoration		Sherwood Restoration		Bell Creek Restoration		Lola Valley Restoration		Riverview Restoration		Totals	
	Rates	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost
Principal Staff	\$210	40	\$8,400	60	\$12,600	60	\$12,600	60	\$12,600	240	\$50,400	460	\$96,600
Sr. Level Staff	\$180	120	\$21,600	240	\$43,200	240	\$43,200	240	\$43,200	400	\$72,000	1240	\$223,200
Mid-Level Staff	\$145	175	\$25,375	75	\$10,875	75	\$10,875	75	\$10,875	100	\$14,500	500	\$72,500
Jr-Level Staff	\$105	160	\$16,800	320	\$33,600	320	\$33,600	320	\$33,600	700	\$73,500	1820	\$191,100
Project Coordinator	\$95	40	\$3,800	40	\$3,800	40	\$3,800	40	\$3,800	40	\$3,800	200	\$19,000
Administrative Support	\$60	40	\$2,400	32	\$1,920	33	\$1,980	33	\$1,980	62	\$3,720	200	\$12,000
Labor Totals		575	\$78,375	767	\$105,995	768	\$106,055	768	\$106,055	1542	\$217,920	4420	\$614,400
Expenses													
Vehicle and mileage			\$1,000		\$3,000		\$3,000		\$3,000		\$3,420		\$13,420
GPS			\$320		\$400		\$400		\$400		\$500		\$2,020
Graphics			\$300		\$600		\$550		\$550				\$2,000
													\$0
Expense Total			\$1,620		\$4,000		\$3,950		\$3,950		\$3,920		\$17,440
TOTAL COST			\$ 79,995		\$ 109,995		\$ 110,005		\$ 110,005		\$ 221,840		\$ 631,840

PARAGRAPH III--SCHEDULE

The services in this Work Order shall be completed no later than December 31, 2024 (original date was December 31, 2023) or as extended by EPA.

ENVIRONMENTAL CONSULTING & TECHNOLOGY, INC. and its AFFILIATES

By _____

John O'Meara, P.E.

Its Vice President

Date _____

ALLIANCE OF ROUGE COMMUNITIES

By _____

Doug Moore

Title Chair

Date _____

WORK ORDER No. 2023-5
ARC Media Support

This Work Order, when approved and signed, supplements the Master Services Agreement effective January 1, 2019 between Environmental Consulting & Technology, Inc., and its Affiliates (ECT Affiliates include Environmental Consulting & Technology of North Carolina, PLLC And ECT Engineering, LLC.), (Consultant) and the Alliance of Rouge Communities (ARC). Except as modified herein, all requirements of this basic Agreement remain in force.

PARAGRAPH I--SCOPE OF SERVICES

ECT as ARC staff will be responsible for the following task summaries:

Task 1. Media Support

This task includes the following elements:

- Content Coordination – ECT will work with the subconsultant, Near Perfect Media (NPM), on press coverage of ARC programs, projects and events.
- Media Coverage – NPM will provide media support to the ARC (estimated to be approximately 75 hours)

Deliverables: Press coverage

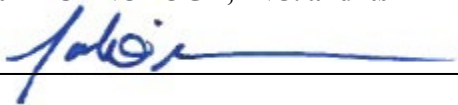
PARAGRAPH II--COMPENSATION

The maximum cost of this Cost Reimbursable not-to-exceed Work Order is \$17,500. This is inclusive of NPM's \$15,000 retainer + ECT's 5% markup (\$16,500). ECT will invoice for the NPM retainer upon receipt and any ECT direct labor coordination costs when they occur.

PARAGRAPH III--SCHEDULE

The services in this Work Order shall be completed no later than September 30, 2024 (or as extended by EPA).

ENVIRONMENTAL CONSULTING & TECHNOLOGY, INC. and its AFFILIATES

By 
 John O'Meara, P.E.

Its Vice President

Date 7/14/23

ALLIANCE OF ROUGE COMMUNITIES

By _____
Doug Moore

Title Chair

Date _____

Via email

July 17, 2023

Mr. Doug Moore – Chairperson
Mr. Bob Belair, P.E. – Grants Coordinator
Ms. Brandy Siedlaczek – Past Chair
Alliance of Rouge Communities

RE: EPA Great Lakes Restoration Initiative (GLRI) Grant, GL - 00E02896 - 1
Rouge River AOC Habitat Implementation- Wayne County Parkland: Riverview
Construction Contractor Recommendation

Doug, Bob, and Brandy:

Environmental Consulting & Technology, Inc. (ECT), as the Engineer, is recommending that the Alliance of Rouge Communities (ARC) award the Riverview Habitat Restoration Project contract in the amount of \$2,690,074.50 to Anglin Civil, LLC (Anglin).

ECT has reviewed Anglin's bid and the other bids (total of 3 bids) of June 19, 2023. Anglin's bid was for \$1,727,915 for the habitat and \$992,931.50 for the park amenities base bid, total of \$2,720,846.50. Discrepancies in unit price conversion result in an actual calculated cost of \$1,727,415 for the habitat work and \$962,659.50 for the amenities work, for a total of \$2,690,074.50. These discrepancies did not result in any meaningful change to their bid

As you are aware the ARC and Wayne County have entered an IAA to allow for any AOC Habitat projects that are on Wayne County Land to be completed. Wayne County is a signatory to the Contractor Agreement in Acknowledgment form and the documents allow for the County to act should the need arise. The County has chosen to add additional items to the Projects beyond the work required for the Habitat Restoration Grants, such as park amenities. These items will be paid for solely by the County and they will be issuing a PO to provide the ARC with the \$962,659.50 in amenities work cost. As such the bids were for the habitat work and the park amenities work.

We have also reviewed Anglin's qualifications and found them to fulfill the requirements. The habitat bid amount is within the grant construction dollars available under the EPA grant and therefore 100% grant funded. Therefore, we find Anglin's bid acceptable and that they are qualified to complete the scope of work and are recommending the Contract be issued for the corrected value of \$2,690,074.50.

Sincerely,
Environmental Consulting & Technology, Inc.



John O'Meara, P.E.
Vice President/Principal Engineer



Alice Bailey, P.E.
Principal Engineer

ALLIANCE OF ROUGE COMMUNITIES
Riverview Park
BID DUE/OPENING: 6.19.23

Item	Description	Unit	Quantity	Anglin Civil LLC		TSP Services		MK Construction	
				Unit Price	Price	Unit Price	Price	Unit Price	Price
1	Mobilization	LS	1	\$ 85,997.00	\$ 85,997.00	\$ 68,700.00	\$ 68,700.00	\$ 105,529.00	\$ 105,529.00
2	Construction Staking/Surveying	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 44,100.00	\$ 44,100.00	\$ 67,600.00	\$ 67,600.00
3	Site Access & Staging	LS	1	\$ 75,000.00	\$ 75,000.00	\$ 17,600.00	\$ 17,600.00	\$ 166,189.93	\$ 166,189.93
4	Traffic Control	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 11,760.00	\$ 11,760.00	\$ 27,800.00	\$ 27,800.00
5	Pedestrian Control	LS	1	\$ 2,000.00	\$ 2,000.00	\$ 131,200.00	\$ 131,200.00	\$ 22,600.00	\$ 22,600.00
6	Soil Erosion and Sedimentation Control	LS	1	\$ 34,000.00	\$ 34,000.00	\$ 56,500.00	\$ 56,500.00	\$ 24,375.00	\$ 24,375.00
7	Clearing	AC	1.2	\$ 30,000.00	\$ 36,000.00	\$ 45,000.00	\$ 54,000.00	\$ 16,250.00	\$ 19,500.00
8	Tree Removal 6-12" DBH	EA	14	\$ 725.00	\$ 10,150.00	\$ 1,100.00	\$ 15,400.00	\$ 260.00	\$ 3,640.00
9	Tree Removal 12" + DBH	EA	30	\$ 1,250.00	\$ 37,500.00	\$ 1,530.00	\$ 45,900.00	\$ 1,300.00	\$ 39,000.00
10	Road Demo	CY	2430	\$ 25.00	\$ 60,750.00	\$ 14.00	\$ 34,020.00	\$ 58.43	\$ 141,984.90
11	Path Demo	CY	1017	\$ 35.00	\$ 35,595.00	\$ 21.50	\$ 21,865.50	\$ 107.28	\$ 109,103.76
12	Wetland Invasive Species Treatment	AC	3.5	\$ 4,200.00	\$ 14,700.00	\$ 4,255.00	\$ 14,892.50	\$ 5,200.00	\$ 18,200.00
13	Wetland Follow-up Treatment	EA	1	\$ 6,100.00	\$ 6,100.00	\$ 6,125.00	\$ 6,125.00	\$ 7,800.00	\$ 7,800.00
14	Woody Invasive Species Treatment	AC	3.9	\$ 5,500.00	\$ 21,450.00	\$ 5,510.00	\$ 21,489.00	\$ 5,000.00	\$ 19,500.00
15	Invasive Species Area Debris Removal	AC	2.3	\$ 7,300.00	\$ 16,790.00	\$ 7,350.00	\$ 16,905.00	\$ 9,100.00	\$ 20,930.00
16	Woody Follow-up Treatment	EA	1	\$ 6,100.00	\$ 6,100.00	\$ 6,125.00	\$ 6,125.00	\$ 5,000.00	\$ 5,000.00
17	Southern Woody Invasive Species Treatment	AC	0.7	\$ 8,300.00	\$ 5,810.00	\$ 9,200.00	\$ 6,440.00	\$ 11,406.57	\$ 7,984.60
18	Southern Invasive Species Area Debris Removal	AC	0.7	\$ 31,000.00	\$ 21,700.00	\$ 34,300.00	\$ 24,010.00	\$ 57,992.28	\$ 40,594.60
19	Southern Woody Follow-up Treatment	EA	1	\$ 6,000.00	\$ 6,000.00	\$ 6,125.00	\$ 6,125.00	\$ 5,500.00	\$ 5,500.00
20	Turf Demo Treatment	AC	2.3	\$ 2,100.00	\$ 4,830.00	\$ 1,810.00	\$ 4,163.00	\$ 1,950.00	\$ 4,485.00
21	Grading: On Site Placement	CY	2000	\$ 25.00	\$ 50,000.00	\$ 16.00	\$ 32,000.00	\$ 46.42	\$ 92,840.00
22	Grading: Off Site Disposal	CY	5000	\$ 50.00	\$ 250,000.00	\$ 25.50	\$ 127,500.00	\$ 79.79	\$ 398,950.00
23	Wetland Seed Mix	AC	8.3	\$ 5,400.00	\$ 44,820.00	\$ 5,500.00	\$ 45,650.00	\$ 5,850.00	\$ 48,555.00
24	Prairie Seed Mix	AC	2.7	\$ 4,750.00	\$ 12,825.00	\$ 5,500.00	\$ 14,850.00	\$ 5,850.00	\$ 15,795.00
25	Stabilization Seed Mix	AC	2.9	\$ 7,300.00	\$ 21,170.00	\$ 7,350.00	\$ 21,315.00	\$ 7,800.00	\$ 22,620.00
26	Plugs	EA	39,368	\$ 6.00	\$ 236,208.00	\$ 6.00	\$ 236,208.00	\$ 6.39	\$ 251,561.52
27	Shrubs(plug size)	EA	4142	\$ 10.00	\$ 41,420.00	\$ 11.00	\$ 45,562.00	\$ 11.70	\$ 48,461.40
28	Trees 2.5" cal	EA	200	\$ 645.00	\$ 129,000.00	\$ 670.00	\$ 134,000.00	\$ 708.50	\$ 141,700.00
29	Trees 5-7 gal	EA	600	\$ 175.00	\$ 105,000.00	\$ 183.00	\$ 109,800.00	\$ 206.70	\$ 124,020.00
30	Erosion Control Blanket NAG SC150BN	SY	6700	\$ 2.00	\$ 13,400.00	\$ 6.00	\$ 40,200.00	\$ 6.50	\$ 43,550.00
31	Erosion Control Blanket NAG S75BN	SY	37,500	\$ 1.50	\$ 56,250.00	\$ 4.25	\$ 159,375.00	\$ 5.20	\$ 195,000.00
32	Erosion Control Straw Mulch	AC	1.5	\$ 3,500.00	\$ 5,250.00	\$ 3,675.00	\$ 5,512.50	\$ 3,900.00	\$ 5,850.00
33	Gravel Lot/Drive Restoration	LS	1	\$ 22,500.00	\$ 22,500.00	\$ 76,800.00	\$ 76,800.00	\$ 1,012.50	\$ 1,012.50
34	Spoils Field Restoration	LS	1	\$ 35,000.00	\$ 35,000.00	\$ 82,000.00	\$ 82,000.00	\$ 7,425.00	\$ 7,425.00
35	Sanitary Manhole Adjustment	LS	1	\$ 1,100.00	\$ 1,100.00	\$ 6,600.00	\$ 6,600.00	\$ 29,270.92	\$ 29,270.92
36	Site Restoration	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 36,000.00	\$ 36,000.00	\$ 12,350.00	\$ 12,350.00
37	As-Built Survey and Drawings	LS	1	\$ 4,500.00	\$ 4,500.00	\$ 14,700.00	\$ 14,700.00	\$ 5,200.00	\$ 5,200.00
38	Interim As-Built Survey and Drawings	LS	1	\$ 4,500.00	\$ 4,500.00	\$ 14,700.00	\$ 14,700.00	\$ 5,200.00	\$ 5,200.00
39	Vegetation Maintenance	MON	14	\$ 6,000.00	\$ 84,000.00	\$ 6,250.00	\$ 87,500.00	\$ 3,578.57	\$ 50,099.98
40	Allowance: Unforeseen Conditions	LS	1	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00
Total Base Bid					\$1,727,415.00		\$ 1,997,592.50		\$2,456,778.11

CONTRACTOR SUBMITTED BIDS \$ 1,727,915.00

\$1,997,661.50

\$2,456,778.11

Anglin Bid \$30,000

TSP bid was \$ 4232

High	Low	Average
Unit Price	Unit Price	Unit Price
\$ 105,529.00	\$ 68,700.00	\$ 86,742.00
\$ 67,600.00	\$ 15,000.00	\$ 42,233.33
\$ 166,189.93	\$ 17,600.00	\$ 86,263.31
\$ 27,800.00	\$ 5,000.00	\$ 14,853.33
\$ 131,200.00	\$ 2,000.00	\$ 51,933.33
\$ 56,500.00	\$ 24,375.00	\$ 38,291.67
\$ 45,000.00	\$ 16,250.00	\$ 30,416.67
\$ 1,100.00	\$ 260.00	\$ 695.00
\$ 1,530.00	\$ 1,250.00	\$ 1,360.00
\$ 58.43	\$ 14.00	\$ 32.48
\$ 107.28	\$ 21.50	\$ 54.59
\$ 5,200.00	\$ 4,200.00	\$ 4,551.67
\$ 7,800.00	\$ 6,100.00	\$ 6,675.00
\$ 5,510.00	\$ 5,000.00	\$ 5,336.67
\$ 9,100.00	\$ 7,300.00	\$ 7,916.67
\$ 6,125.00	\$ 5,000.00	\$ 5,741.67
\$ 11,406.57	\$ 8,300.00	\$ 9,635.52
\$ 57,992.28	\$ 31,000.00	\$ 41,097.43
\$ 6,125.00	\$ 5,500.00	\$ 5,875.00
\$ 2,100.00	\$ 1,810.00	\$ 1,953.33
\$ 46.42	\$ 16.00	\$ 29.14
\$ 79.79	\$ 25.50	\$ 51.76
\$ 5,850.00	\$ 5,400.00	\$ 5,583.33
\$ 5,850.00	\$ 4,750.00	\$ 5,366.67
\$ 7,800.00	\$ 7,300.00	\$ 7,483.33
\$ 6.39	\$ 6.00	\$ 6.13
\$ 11.70	\$ 10.00	\$ 10.90
\$ 708.50	\$ 645.00	\$ 674.50
\$ 206.70	\$ 175.00	\$ 188.23
\$ 6.50	\$ 2.00	\$ 4.83
\$ 5.20	\$ 1.50	\$ 3.65
\$ 3,900.00	\$ 3,500.00	\$ 3,691.67
\$ 76,800.00	\$ 1,012.50	\$ 33,437.50
\$ 82,000.00	\$ 7,425.00	\$ 41,475.00
\$ 29,270.92	\$ 1,100.00	\$ 12,323.64
\$ 36,000.00	\$ 10,000.00	\$ 19,450.00
\$ 14,700.00	\$ 4,500.00	\$ 8,133.33
\$ 14,700.00	\$ 4,500.00	\$ 8,133.33
\$ 6,250.00	\$ 3,578.57	\$ 5,276.19
\$ 100,000.00	\$ 100,000.00	\$ 100,000.00

ALLIANCE OF ROUGE COMMUNITIES
 Riverview Park
 BID DUE/OPENING: 6.19.23

Item	Description	Unit	Quantity	Anglin Civil LLC	
				Unit Price	Price
1	Mobilization	LS	1	\$ 85,997.00	\$ 85,997.00
2	Construction Staking/Surveying	LS	1	\$ 15,000.00	\$ 15,000.00
3	Site Access & Staging	LS	1	\$ 75,000.00	\$ 75,000.00
4	Traffic Control	LS	1	\$ 5,000.00	\$ 5,000.00
5	Pedestrian Control	LS	1	\$ 2,000.00	\$ 2,000.00
6	Soil Erosion and Sedimentation Control	LS	1	\$ 34,000.00	\$ 34,000.00
7	Clearing	AC	1.2	\$ 30,000.00	\$ 36,000.00
8	Tree Removal 6-12" DBH	EA	14	\$ 725.00	\$ 10,150.00
9	Tree Removal 12" + DBH	EA	30	\$ 1,250.00	\$ 37,500.00
10	Road Demo	CY	2430	\$ 25.00	\$ 60,750.00
11	Path Demo	CY	1017	\$ 35.00	\$ 35,595.00
12	Wetland Invasive Species Treatment	AC	3.5	\$ 4,200.00	\$ 14,700.00
13	Wetland Follow-up Treatment	EA	1	\$ 6,100.00	\$ 6,100.00
14	Woody Invasive Species Treatment	AC	3.9	\$ 5,500.00	\$ 21,450.00
15	Invasive Species Area Debris Removal	AC	2.3	\$ 7,300.00	\$ 16,790.00
16	Woody Follow-up Treatment	EA	1	\$ 6,100.00	\$ 6,100.00
17	Southern Woody Invasive Species Treatment	AC	0.7	\$ 8,300.00	\$ 5,810.00
18	Southern Invasive Species Area Debris Removal	AC	0.7	\$ 31,000.00	\$ 21,700.00
19	Southern Woody Follow-up Treatment	EA	1	\$ 6,000.00	\$ 6,000.00
20	Turf Demo Treatment	AC	2.3	\$ 2,100.00	\$ 4,830.00
21	Grading: On Site Placement	CY	2000	\$ 25.00	\$ 50,000.00
22	Grading: Off Site Disposal	CY	5000	\$ 50.00	\$ 250,000.00
23	Wetland Seed Mix	AC	8.3	\$ 5,400.00	\$ 44,820.00
24	Prairie Seed Mix	AC	2.7	\$ 4,750.00	\$ 12,825.00
25	Stabilization Seed Mix	AC	2.9	\$ 7,300.00	\$ 21,170.00
26	Plugs	EA	39,368	\$ 6.00	\$ 236,208.00
27	Shrubs(plug size)	EA	4142	\$ 10.00	\$ 41,420.00
28	Trees 2.5" cal	EA	200	\$ 645.00	\$ 129,000.00
29	Trees 5-7 gal	EA	600	\$ 175.00	\$ 105,000.00
30	Erosion Control Blanket NAG SC150BN	SY	6700	\$ 2.00	\$ 13,400.00
31	Erosion Control Blanket NAG S75BN	SY	37,500	\$ 1.50	\$ 56,250.00
32	Erosion Control Straw Mulch	AC	1.5	\$ 3,500.00	\$ 5,250.00
33	Gravel Lot/Drive Restoration	LS	1	\$ 22,500.00	\$ 22,500.00
34	Spoils Field Restoration	LS	1	\$ 35,000.00	\$ 35,000.00
35	Sanitary Manhole Adjustment	LS	1	\$ 1,100.00	\$ 1,100.00
36	Site Restoration	LS	1	\$ 10,000.00	\$ 10,000.00
37	As-Built Survey and Drawings	LS	1	\$ 4,500.00	\$ 4,500.00
38	Interim As-Built Survey and Drawings	LS	1	\$ 4,500.00	\$ 4,500.00
39	Vegetation Maintenance	MON	14	\$ 6,000.00	\$ 84,000.00
40	Allowance: Unforeseen Conditions	LS	1	\$ 100,000.00	\$ 100,000.00
Total Base Bid					\$1,727,415.00

Anglin Bid \$30,000

CONTRACTOR SUBMITTED BIDS \$ 1,727,915.00

ALLIANCE OF ROUGE COMMUNITIES
Riverview Park
Wayne County Park Amenities

ItemNo.	Description	Unit	Qty	Bid Unit Price	Item Cost
RIVERVIEW PARK – PARK AMENITY PROJECT – REFERENCE PARK AMENITY SPECIFICATIONS					
BID ALTERNATE NO. 0 – SOCCER FIELD					
A0-1	Mobilization	LS	1	\$ 5,000.00	\$ 5,000.00
A0-2	Construction Staking/Surveying	LS	1	\$ 500.00	\$ 500.00
A0-20	Grading	LS	1	\$ 50,000.00	\$ 50,000.00
A0-24	Soccer Field Preparation andSeed	SY	8433	\$ 34.00	\$ 286,722.00
A0-25	General Turf Seeding	SY	1200	\$ 3.00	\$ 3,600.00
A0-26	Log Edging	LF	330	\$ 33.00	\$ 10,890.00
A0-36	As-Built Survey and Drawings	LS	1	\$ 1,000.00	\$ 1,000.00
A0-38	Allowance- UnforeseenCondition:	LS	1	\$ 50,000.00	\$ 50,000.00
Total Alt 0					\$ 407,712.00
Contractor Bid for Soccer Only					\$ 407,712.00

ItemNo.	Description	Unit	Qty	Bid Unit Price	Item Cost
RIVERVIEW PARK – PARK AMENITY PROJECT – REFERENCE PARK AMENITY SPECIFICATIONS					
BID ALTERNATE NO. 2 – WEST PARKING LOT					
A2-1	Mobilization	LS	1	\$ 9,000.00	\$ 9,000.00
A2-2	Construction Staking/Surveying	LS	1	\$ 2,500.00	\$ 2,500.00
A2-3	Site Access and Staging	LS	1	\$ 1,250.00	\$ 1,250.00
A2-4	Asphalt Demolition	SY	274	\$ 25.00	\$ 6,850.00
A2-5	Woodland Clearing	AC	0.02	\$ 34,375.00	\$ 687.50
A2-6	Turf Demolition	AC	0.02	\$ 42,000.00	\$ 840.00
A2-7	Tree Removals 6-12" DBH	EA	1	\$ 750.00	\$ 750.00
A2-8	Tree Removals 12"+ DBH	EA	2	\$ 1,250.00	\$ 2,500.00
A2-9	Parking and Drive Preparation	SF	5676	\$ 2.00	\$ 11,352.00
A2-10	Parking Lot Asphalt	SF	5676	\$ 5.00	\$ 28,380.00
A2-11	Parking Lot Striping	LS	1	\$ 1,250.00	\$ 1,250.00
A2-12	Parking Lot Curb and Gutter	LF	316	\$ 62.00	\$ 19,592.00
A2-13	Standard Concrete Paving	SF	612	\$ 16.00	\$ 9,792.00
A2-14	10'-0" Wide Asphalt Trail	LF	120	\$ 69.00	\$ 8,280.00
A2-15	Grading	LS	1	\$ 22,000.00	\$ 22,000.00
A2-16	Parking Lot Bioretention Area	SF	1858	\$ 15.00	\$ 27,870.00
A2-17	Parking Lot BioretentionDrainage	SF	44	\$ 64.00	\$ 2,816.00
A2-18	Parking Lot BioretentionOverflow	EA	1	\$ 3,900.00	\$ 3,900.00
A2-19	General Turf Seeding	SY	726	\$ 3.00	\$ 2,178.00
A2-20	Log Edging	LF	167	\$ 33.00	\$ 5,511.00
A2-21	Site Restoration	LS	1	\$ 7,500.00	\$ 7,500.00
A2-22	As-Built Survey and Drawings	LS	1	\$ 2,500.00	\$ 2,500.00
Total Alt 2					\$ 177,298.50
On bid					Contrator Bids
					\$ 177,298.50

RIVERVIEW PARK – PARK AMENITY PROJECT – REFERENCE PARK AMENITY SPECIFICATIONS		
BID ALTERNATE NO. 0 – SOCCER FIELD	\$ 407,712.00	\$ 407,712.00
BID ALTERNATE NO. 2 – WEST PARKING LOT	\$ 177,298.50	\$ 177,298.50
BID ALTERNATE NO. 3 – COMFORT STATION IMPROVEMENTS	\$ 377,649.00	\$ 407,921.00
TOTAL WC PARK AMENITIES	\$ 962,659.50	\$ 992,931.50

ItemNo.	Description	Unit	Qty	Bid Unit Price	Item Cost
RIVERVIEW PARK – PARK AMENITY PROJECT – REFERENCE PARK AMENITY SPECIFICATIONS					
BID ALTERNATE NO. 3 – COMFORT STATION IMPROVEMENTS					
A3-1	Mobilization	LS	1	\$ 27,000.00	\$ 27,000.00
A3-2	Construction Staking/Surveying	LS	1	\$ 2,500.00	\$ 2,500.00
A3-3	Site Access and Staging	LS	1	\$ 5,500.00	\$ 5,500.00
A3-4	Traffic Control	LS	1	\$ 1,500.00	\$ 1,500.00
A3-5	Gravel Drive Demolition	SY	1690	\$ 12.00	\$ 20,280.00
A3-6	Miscellaneous Demolition	LS	1	\$ 5,600.00	\$ 5,600.00
A3-7	Woodland Clearing	AC	0	\$ -	\$ -
A3-8	Turf Demolition	AC	0.4	\$ 19,900.00	\$ 7,960.00
A3-9	Tree Removals 6-12" DBH	EA	5	\$ 725.00	\$ 3,625.00
A3-10	Tree Removals 12"+ DBH	EA	7	\$ 1,250.00	\$ 8,750.00
A3-11	Parking and Drive Preparation	SF	7355	\$ 2.00	\$ 14,710.00
A3-12	Parking Lot Asphalt	SF	7355	\$ 5.00	\$ 36,775.00
A3-13	Parking Lot Striping	LS	1	\$ 1,250.00	\$ 1,250.00
A3-14	Detectable WarningSurface/Wheel Stops/B.F.Parking Signs	LS	1	\$ 2,500.00	\$ 2,500.00
A3-15	Parking Lot Curb and Gutter	LF	359	\$ 62.00	\$ 22,258.00
A3-16	Standard Concrete Paving	SF	1769	\$ 15.00	\$ 26,535.00
A3-17	Exposed Aggregate ConcretePaving	SF	1800	\$ 21.00	\$ 37,800.00
A3-18	Grading	LS	1	\$ 51,100.00	\$ 51,100.00
A3-19	Parking Lot Bioretention Area	SF	1892	\$ 2.00	\$ 3,784.00
A3-20	Parking Lot BioretentionDrainage Flumes	SF	95	\$ 45.00	\$ 4,275.00
A3-21	Parking Lot BioretentionOverflow Structure Assembly	EA	1	\$ 3,900.00	\$ 3,900.00
A3-22	General Turf Seeding	SY	2264	\$ 3.00	\$ 6,792.00
A3-23	Trees 2.5" cal.	EA	11	\$ 573.00	\$ 6,303.00
A3-24	Ornamental Grasses - #1 cont.	EA	120	\$ 43.00	\$ 5,160.00
A3-25	Bike Hoops	EA	4	\$ 1,900.00	\$ 7,600.00
A3-26	Grills	EA	1	\$ 1,139.00	\$ 1,139.00
A3-27	Live Stakes	EA	12	\$ 25.00	\$ 300.00
A3-28	Site Restoration	LS	1	\$ 10,000.00	\$ 10,000.00
A3-29	As-Built Survey and Drawings	LS	1	\$ 2,500.00	\$ 2,500.00
A3-30	Commercial Drive Approach	SF	2393	\$ 21.00	\$ 50,253.00
Total Alt 3					\$ 377,649.00
Contractor On Bid					\$ 407,921.00