

September 11, 2019

Ms. Sarah Rascon, Urban River Program Officer, Los Angeles River
Mountains Recreation and Conservation Authority
570 West Avenue 26, Suite 100
Los Angeles, CA 90065

Reference: PROPOSAL TO PROVIDE SUPPORT FOR AN ADDITIONAL SIX MONTHS, WORKING GROUP AND COMMITTEE MEETING SUPPORT, AND PLAN SERVICES SUPPORT FOR THE DEVELOPMENT OF THE UPPER LOS ANGELES RIVER AND TRIBUTARIES REVITALIZATION PLAN

Dear Ms. Rascon:

Tetra Tech is pleased to provide our proposal for a six-month time extension (through March 2020), including additional project coordination, materials development and production, and additional meeting support for two (2) Working Group meetings and one (1) round of committee meetings to further develop and refine the Upper Los Angeles River and Tributaries (ULART) Revitalization Plan (the Plan). On May 9th, 2019, MRCA, with recommendation from the Tetra Tech Team, agreed to proceed with an augmented meeting schedule and corresponding additional project management to develop the necessary content for completion of the plan. The proposed components are required to extend the timeline and finish the plan as previously discussed with MRCA are described in detail within this proposal. A summary list of the main additional tasks is as follows:

- Additional meetings and support,
- Draft and Final Spanish translation of Volume 1 and portion Volume 2 of the Plan,
- Additional project area expansions and revision to the project bundles,
- Renderings of selected Design Area locations,
- Draft Plan online commenting service,
- Additional typology analyses,
- Additional opportunity area analyses,
- Coordination with the Los Angeles River Master Plan Update process, and
- Additional tasks performed to support and coordinate the Plan Development process, as requested by MRCA (see Task 409 below).

As this project has progressed, the requirements to develop the plan in accordance with the Working Group requirements have become more defined. Additionally, previous assumptions regarding time to coordinate and process revisions to meet the expectations of the project planning team have been corrected and projected for the remainder of the project to determine the values presented in this proposal. Extensive discussion and expectations for final plan components have led to a more informed and detailed outline and related materials for the final plan allowing for a more accurate and thorough understanding of the effort required to complete the plan in the timeline and way it is desired. All this information has been considered to develop the following proposal.

Our key project team members include **Jaime Sayre**, Project Manager; **Gina Palino**, Deputy Project Manager; **Ira Artz**, Technical Advisor; and **Bethany Bezak**, Principal-in-Charge. In addition, we propose to continue our teaming partnership with **Esmeralda Garcia**, Facilitator from MIG, and **Jan Dyer**, Landscape Architect from Studio-MLA.

Scope of Services

Task 401. Additional Project management, meetings and coordination

401.1 Project Management

The Tetra Tech Project Manager will work closely with the MRCA to ensure that the project objectives and schedule are met.

Tetra Tech is committed to ensuring that the MRCA is fully informed of all project-related activities and progress. This will be achieved through regular project communication that will allow the MRCA Project Manager to measure the actual vs. plan work progress.

Tetra Tech's Project Manager will be responsible for overall project management. Tetra Tech will develop and maintain a project schedule, review and monitor the project budget, and coordinate the project controls. The schedule will be consistent with the schedule commitments for development of the revitalization plan for this project. The schedule will serve as a planning tool and will be updated monthly to measure actual progress.

Deliverables

- Project Schedule and Monthly Updates through contract term ending March 31, 2020 (submitted electronically)

401.2 Project Coordination and Project Team Meetings

The Tetra Tech Project Manager will arrange for a weekly conference call with the MRCA Project Manager and key project team leaders to review the project schedule and discuss the progress of the project. We have budgeted for weekly project coordination conference call meetings with a 1.5-hour duration.

Deliverables

- Coordination Meeting agendas, materials, and action items
- Development and production of additional materials, as needed

Assumptions

- Additional project coordination, development and production of materials, and meeting materials will be performed under this task.
- The duration of this task is six months, to be completed in March 2020.
- ***Scope and fee for the time extension and additional Working Group and Technical Committee meetings do not include additional technical analysis that may be required due to changes to project sites or project content.***

401.3 Meeting Coordination/Facilitation

Working Group Meeting

The Tetra Tech team will work collaboratively with the MRCA to plan, prepare, and facilitate two (2) additional Working Group Meetings. The Tetra Tech team will conduct a Working Group planning meeting prior to each Working Group Meeting to discuss the objectives, key issues, strategy, and structure for the Working Group Meeting. The discussion will include logistics, coordination, agenda, and presentation materials for the meeting.

Working Group Meetings

The Tetra Tech Team will attend and facilitate two (2) additional Working Group Meeting. The SMMC and the MRCA will be responsible for chairing the Working Group Meeting, while the Tetra Tech team will be responsible for facilitating the agenda items to develop a collaborative environment to discuss the final Upper LA River and

Tributaries Revitalization Plan. The Tetra Tech team has budgeted meeting facilitation, attendance, and preparation of the meeting materials for the one additional Working Group Meeting.

Working Group Meeting Summary

The Tetra Tech Team will prepare a Working Group meeting summary for the MRCA.

Deliverables

- Working Group Planning Meeting agenda, materials, and action items (2)
- Working Group Meeting agenda and meeting materials (2)
- Working Group Meeting Summaries (2)

Assumptions

- The Working Group Meeting is anticipated to occur over a duration of 4 hours each, the presentation or workshop component of the meeting is anticipated to last up to a maximum of 3 hours each with additional time budgeted to accommodate pre- and post- meeting discussions with MRCA, Working Group or members of the public.
- The Tetra Tech Team will meet with the Project Planning Team to prepare for each upcoming Working Group Meeting. Some key team members will attend this meeting in-person; however, the Tetra Tech Project Manager will also provide conference call access for additional team members. Total length of this meeting is not to exceed 2 hours.
- All meeting material development requests will occur during the planning meeting. Materials requested after the planning meeting will require additional discussion and written approval from the Project Manager.
- Feedback on meeting materials from MRCA to be received within 2 business days of dissemination to maintain project schedule.
- Scope and fee include the following activities from the Project Team:
 - Preparation of materials for meetings including internal agenda, 24"x36" or smaller maps, inspiration images, and other graphics that may be required to solicit input from the team and stakeholders
 - Creation and delivery of the PowerPoint presentations
 - Meeting preparation call and meeting (1 per meeting)
 - Presentation of the materials and response to questions from working group members, planning team staff, or members of the public at the meetings
 - Synthesis of input received from the Working Group Meeting
- Tetra Tech has budgeted for 3 Tetra Tech staff, 3 Studio-MLA staff, and 1 MIG staff to attend these meetings. Tetra Tech included costs for printing for two (2) Working Group meetings (assumes up to 20 24x36 plots).

Technical Committee Meetings

The Upper (Working Group) formed two committees to help guide and create the Revitalization Plan. These meetings occur over the course of one day in the morning and afternoon to reduce planning team and stakeholder travel time.

Technical Committee Meeting Preparation

The Tetra Tech team will prepare committee meeting materials, including internal agendas and presentations for one (1) additional rounds of committee meetings (total of 2 additional committee meetings). These will be provided to the MRCA staff prior to the committee meetings. Tetra Tech staff will be available to address any comments or questions the MRCA may have regarding the meeting materials.

The Tetra Tech Team will meet with the Project Planning Team to prepare for each upcoming Committee Meeting. Some key team members will attend this meeting in-person; however, the Tetra Tech Project Manager will also provide conference call access for additional team members.

Technical Committee Meetings

The Tetra Tech Team will attend and facilitate the one (1) additional round of committee meetings (total of 2 additional committee meetings). The Tetra Tech team has budgeted to facilitate, attend, and prepare the meeting materials for 2 committee meetings (2 committees, 1 meeting each).

Deliverables

- Committee Meeting Planning Meeting agenda, materials, and action items (1).
- Committee Meeting agenda language assistance and meeting materials (2).
- Committee Meeting Summaries (2).

Assumptions

- The Committee Meetings are anticipated to occur over a duration of 3 hours each, the workshop component of the meeting is anticipated to last up to a maximum of 2 hours each.
- All meeting material development requests will occur during the planning meeting. Materials requested after the planning meeting will require additional discussion and written approval from the Project Manager.
- Feedback on meeting materials from MRCA to be received within two (2) business days of dissemination to maintain project schedule.
- Scope and fee include the following activities from the Project Team:
 - Preparation of materials for meetings including maps, inspiration images, and other graphics that may be required to solicit input from the team and stakeholders
 - Preparation of the PowerPoint presentations
 - Plan and Run-through Meeting preparation calls and meetings
 - Presentation of the materials at the meetings
 - Synthesis of input received from the committee meetings
- Tetra Tech has budgeted for 3 Tetra Tech staff, and 3 Studio-MLA staff to attend these meetings.
- Tetra Tech included costs for printing for the two (2) committee meetings (assumes up to 10 24x36 plots).

Task 402. Spanish Translation Services

Tetra Tech will coordinate the Spanish translation of the Upper LA River and Tributaries Plan (ULART) into Spanish. This will include time for coordination with the translation service, laying out the Spanish version in In-Design, and reviewing the translated Plan.

Deliverables

- Draft and Final Spanish translated ULART Plan, Volume 1.
- Draft and Final Spanish translated ULART Plan, Volume 2, Section A, Framework Memo (all); Section B, Working Group and Committee summaries only; Section C, Community meeting agendas to be added to Spanish version (already in Spanish), event summaries, webtool summary; Section D, all; Section E, none; Section F, Summary of input themes for all rounds of community engagement to be in Spanish.

Assumptions

- This task does not include complete translation of Sections B — F of Volume 2 into Spanish.
- Delays in translation due to subconsultant translator will result in the same number of days in delays for the Tetra Tech Team. All efforts will be made to minimize the possibility of delays on the part of the Tetra Tech Team.

- Spanish terminology changes requested by the planning team will be incorporated as part of the final ULART Plan.

Task 403. Expanded Bundle and Project Design Area

The Tetra Tech team will revise and expand one Burbank Western bundle (the selected design area) and one Verdugo Wash bundle (the alternate design area) per feedback from the Working Group received during the July 25, 2019 Working Group meeting, and subsequent call with Mayor Emily Gabel-Luddy.

Deliverables

- Expand Verdugo Wash project bundle boundary
- Expand Burbank Western selected project design area

Assumptions

- This task does not include presentation quality perspectives/illustrative or physical models or additional meetings or materials.

Task 404. Renderings of Selected Locations

The Tetra Tech team will provide five (5) rendered birds-eye views and one (1) street level rendered perspectives as directed by MRCA on 8/23/2019 via email. Services shall be provided in 1 phase and will take approximately 8 weeks from execution of change order to complete and include the following effort:

1. Rendered Birds-Eye Views Scope includes

- a. Drone photography
- b. Rhino model
- c. Linework/Rendering
- d. Internal coordination/revisions

2. Rendered perspective at street level -

- a. Photography
- b. Rhino model

Deliverables

1. Rendered birds-eye views for:

- a. Tujunga View Birds Eye
- b. Pacoima Wetlands Birds Eye
- c. Burbank Western Birds Eye (location TBD)
- d. Verdugo Gardens Birds Eye
- e. Arroyo Seco Sycamore Grove Birds Eye

2. Rendered perspectives at street level

- a. Aliso Canyon Path Ground View

Assumptions

- Services shall be provided in 1 phase and will take approximately 8 weeks from execution of change order to complete.
- Draft rendered perspectives delivered digitally, no plots or prints will be provided. Final rendered perspectives will be provided digitally and 1 printed set of rendered perspectives.
- Deliverables include 1 draft and 1 final, to incorporate one round of comments.

Task 405. Online Commenting Services

The Tetra Tech team will coordinate the online commenting service for the ULART Plan in both English and Spanish. This effort will include ongoing coordination and support from Tetra Tech staff to ensure the Plan is correctly uploaded, questions about the commenting service are addressed, and that the comments are downloaded and formatted. Additionally, Tetra Tech will modify the existing ULART web-based map tool to display all OAs identified in the plan as a companion to the online draft Plan.

Deliverables

- Draft ULART Plan, Volume 1 and portions of 2 in English and Spanish, posted online for a minimum of 30 days for public comment and review.
- Two meetings between the planning team and the Tetra Tech team to discuss and review how comments will be addressed and if comment responses are within scope.

Assumptions

- Tetra Tech will coordinate with the online commenting service to set up access for the service on or before September 26, 2019.
- Konveio, the commenting service, will be active for a one-year period but will only be utilized from September 2019- March 2020 as part of this project.
- Tetra Tech will coordinate with the online commenting service to post each chapter documents for online review; Volume 1 English, Volume 1 Spanish, Volume 2 English, Volume 2 abridged Spanish.
- The comments will be collected on a weekly basis during the commenting period and sent to the project planning team in excel format for reference and progress tracking.
- Documents will be posted online as they become available with all documents being posted prior to 12/12/2019.
- MRCA will compile any materials received via email, verbally, in writing or any other method besides the commenting tool into a single document detailing the date received, name of commenter, and any other available details to be presented to the Tetra Tech team within two days of the end of the commenting period. Any comments received thereafter will not be addressed or incorporated.

Task 406. Typology Analysis

The Tetra Tech team will revise and expand the typology analyses performed for the Working Group. After the initial development analysis of the 13 original typologies developed by the Working Group, it became apparent to the technical team that the data yielded from the categories developed by the working group did not reflect a usable list of typical land use conditions required to complete further tasks in the plan such as mapping, recommended improvement types, or recommended images. Therefore, the Tetra Tech team proposed changing the typologies to a recommended list of similar scale, detail, and typical land use conditions within the watershed. As part of Amendment 2, MRCA requested the expansion of the typology task to include a higher level of detail and graphic representations for 4 of the typologies, however, during the March 2019 Working Group meeting, the Working Group approved changing the number of typologies from 13 to the recommended 8, thus requiring additional analysis. With the incorporation of this updated analysis, the initial 4 typologies (with graphical representations) required updating.

These updated typology analyses will include:

- Refining the recommended typologies from 13 to 8.
- Analyzing the ULART selected tributary corridors for 8 typologies.
- Updating the previously created narrative to reflect 8 typologies, which characterizes what each typology means, and how it can be applied to the ULART watershed.
- Updating building block typology matrix.

- Developing icons for each of the eight (8) typologies.
- One Axon for:
 - Stormwater basin
- Development of three new sections each for (total six sections):
 - Channel Right of Way
 - Community Connections
- Selection of new reference images for (Three images each typology):
 - Commercial
 - Industrial
 - Parks and Ecological connections
 - Institutions
 - In-Channel improvements

Deliverables

- Draft and Final updated typology narrative and crosswalk, included in Volume 1 Chapter 3 and Volume 2 Attachment A.
- Draft and Final typology diagrams, included in Volume 1 Chapter 3.
- Axon for Stormwater Basin:
 - Rhino model
 - Linework/Rendering
 - Internal coordination/revisions
- Six Total Sections for Channel Right of Way and Community Connections:
 - Linework/Rendering
 - Internal coordination/revisions
- Annotated Reference Images for Commercial (3), Industrial (3), Parks/Ecological Connections (6), Institutions (3), In-Channel Improvements (6) – 21 images total:
 - Sourcing of Images
 - Annotations
 - Coordination/Revisions

Assumptions

- This task does not include presentation quality perspectives/illustrative or physical models or additional meetings or materials.
- Note that photos will not be included in the Plan unless the necessary permission has been granted by their owner prior to the draft document being made public.

Task 407. Design Area and Opportunity Area Analysis

The Tetra Tech technical team will revise the layout of the 250+ fact sheets for both the Design Areas and Opportunity Area (OA) fact sheets. Their original produced condition (produced as 4-page fact sheets), will be restructured as 3-page and 2-page fact sheets for the Design Areas and the OAs respectively. The changes required to make these edits include the following tasks:

Both Layouts:

- Changes to the look, layout, and color scheme.
- For the small aerial map in the upper right hand corner, make the line weights thinner, also labels need to be clearer, moving the map to a different location on the fact sheets.
- Include all cities within the site boundary (additional GIS fields and analysis).

- Add site specific building blocks page.
 - Design Areas: All 17 will receive their own building block analysis based on existing conditions.
 - OAs: All projects will receive a set of building blocks recommended for the typology they have been assigned in addition to the original scoring sheets.
- Change legend format to below the map to reduce overlap.

Design Areas Layouts:

- Add individual descriptions of the needs the bundle will address:
 - Design Areas: Add number of opportunity area sites within the bundle.
 - Design Areas: Paraphrase scoring process to fit on 1-page (scaled down from 3-pages).
 - Design Areas: For the (6) recommended projects – ok to leave the full breakdown of the scoring. For the other (11) and all opportunity area fact sheets condense A. B. and C. onto one page. Therefore, these (11) would be maps on the front and scoring on the back (2 sheets max). Turn off outlines for other projects that are not the focal project bundle.

Opportunity Areas

- Add project description field and language for all 250+ projects.
- Add scoring values to fit in small table on the first page of the fact sheet.

In addition to the analyses and revisions made to the fact sheets, Tetra Tech technical team will create two (2) additional opportunity area summary tables, or project lists, in excel in addition to the "master opportunity area" table, which is a list of all the opportunity areas sorted by opportunity area number. These two additional tables include – one (1) table with the opportunity areas sorted by score; and one (1) table with the opportunity areas sorted by tributary and then by score. These opportunity area tables will be updated periodically during the Phase 2 public outreach to incorporate new opportunity areas identified through community input. (These opportunity area tables were revamped with the updated scoring criteria.)

Note that in addition to adding the opportunity areas from the public and Working Group input, the previous effort to include literature review projects into GIS was not part of the scoped level of effort; and since the literature review only included PDFs (no GIS or digitized projects), projects had to be digitized in by hand.

Deliverables

- Draft and Final design area fact sheets (17) in PDF form.
- Draft and final opportunity area fact sheets (not to exceed 400) in PDF form.
- Draft and final opportunity area tables (3 tables) in PDF form.

Assumptions

- This task does not include presentation quality perspectives/illustrative or physical models or additional meetings or materials.
- This task includes the addition of existing and proposed projects as identified and provided to the Project Team by LADWP (received 11/16/2018) and LACFCD (received 9/9/2019).
- Opportunity areas outside of the 0.5-mile buffer and those not meeting the prerequisites will be scored "0" due to their location (outside of the study area) and will not be given a fact sheet. They will be included in the opportunity area tables.

Task 408. Coordination and Integration with the Los Angeles River Master Plan Update

The Tetra Tech team will support the MRCA with one (1) additional coordination meeting and preparation of a final plan dataset for inclusion in the Los Angeles River Master Plan Update. Projects from the Master Plan

update will be included in the Plan for reference only and will not have additional analysis or scoring provided by the Tetra Tech team. The coordination meeting will discuss the project locations, features, and final components of the plan. Multiple members of the Tetra Tech team will need to be present so that the lead expert in that section of the plan can describe and discuss the latest information included in the plan to have an efficient and meaningful meeting. The data set will be provided in a similar format to the one previously provided by Tetra Tech for the Upper Los Angeles River Plan. The dataset will be delivered in digital format and include the following information:

- Project location
- Source
- Score
- Jurisdiction
- Comments received from working group or public related to the sites
- Bundled Project Areas
- Typology of each project

Deliverables

- Digital dataset.
- Updated Plan project list including the names and locations of the plans added from the LA River Master Plan update.
- One (1) coordination meeting to be attended by 4 members of the Tetra Tech Planning Team.

Assumptions

- Opportunity areas outside of the 0.5-mile buffer will be scored "0" due to their location (outside of the study area) and will not be given a fact sheet. They will be included in the opportunity area tables and on maps.
- LA River Master Plan Update and LADWP projects will not receive additional analysis or fact sheets.

Task 409. Additional Tasks Performed

Through this planning process, the Tetra Tech team has been nimble and adapted to requests in a timely manner to stay as close to the proposed timeline as possible. In some cases, this has required us to work outside of the previous scopes of works and amendments with written or verbal approval from MRCA. This task covers work undertaken at the request of MRCA including but not limited to additional revisions of documents and presentations, attendance of coordination meetings for community engagement and the Los Angeles River Master Plan Update, discussions of Hansen Dam, and modifications and analyses associated with the second draft of the scoring system.

Additionally, this task includes a credit in the amount of \$4,840 for Task 203.2 Alternatives Recommendation from Amendment 2 of this contract. Tetra Tech discussed removing this effort with MRCA on August 9th, 2019 due to lack of interest from the Working Group. This task clarifies that under Task 100.2 Meeting Coordination and Facilitation, the Tetra Tech Team has met all requirements related to Tours, Field Trips, and Site visits by performing 2 committee meeting in its place. Tetra Tech understands that the coordination, requirements, and vast area within the project boundary were deemed to not be in line with the needs of the Working Group nor the timeline for the Plan development.

Additional tasks not specifically identified in this amendment, the original agreement or those preceding will not be performed without written approval and agreement of fee between the Tetra Tech Team Project Manager and the appropriate MRCA staff. This amendment includes additional level of detail beyond those provided in the previous amendments to include and clarify as many of the subtasks within each of the tasks as possible.

Deliverables

- Additional feedback, edits, and revisions to the Working Group and Committee Meeting summaries prior to this amendment.
- Digitization of the Literature Review Projects including georeferencing using PDFs.
- LA River Master Plan Update coordination meetings and data coordination prior to this amendment.
- Modification of evaluation criteria, additional mapping and analyses, revisions to the scoring process section of the Baseline Conditions Memo.
- Additional pre-meeting attendance and coordination for community meetings by Tetra Tech team prior to this amendment.
- Discussions, conference calls, and research regarding Hansen Dam Holiday Lake previous and existing conditions including feasibility discussions.
- May 2019 Working Group content alteration, working session, and development of new materials.

Assumptions

- Additional tasks not specifically identified in this amendment, the original agreement or those preceding will not be performed without written approval and agreement of fee between the Tetra Tech Team Project Manager and the appropriate MRCA staff. This amendment includes additional level of detail beyond those provided in the previous amendments to include and clarify as many of the subtasks within each of the tasks as possible.

Cost Proposal

Work under this task will be billed on a time and materials basis under the current agreement between Tetra Tech and the Mountains Recreation and Conservation Authority dated September 20, 2018. Estimated costs associated with this project are consistent with the contract approved rates. The Tetra Tech cost proposal is \$425,413.

Tentative Schedule for Completion of Work

From confirmation of this proposal, additional Working Group and Committee meeting support will begin in August 2019 and will continue through March 2020. If any assumption is not met or a delay is encountered, Tetra Tech will correspond with the Mountains Recreation and Conservation Authority and give an updated time and fee schedule.

Please contact Jaime Sayre at jaime.sayre@tetrattech.com or 626-470-2303 if you have any questions or require additional information.

Best Regards,



Bethany Bezak, PE, LEED AP
Principal

Direct: 858-609-1634 | Cell: 248-302-7518 | bethany.bezak@tetrattech.com

Enc:
Cost Proposal
Studio-MLA Proposal
MIG Proposal

ATTACHMENT A. COST PROPOSAL

MRCA
Attachment
11-6-19
Agenda Item

<div><div><div>Tt</div></div></div> <div>Price Proposal</div>		Revision Date: Sept 10, 2019					Labor Plan								Price Summary / Totals									
							8 Resource								Task Pricing Totals				425,413					
<div>AB 466 Upper LA River and Tributaries Revitalization</div> <div>Scope of services support for 6 additional months, Working Group meetings (2), Committee meetings (2), and services for the Upper LA River and Tributaries Revitalization Plan development</div>							Bill Rate >		300.00	190.00	215.00	110.00	110.00	110.00	110.00	110.00	Specify Add'l Fees on Setup				0			
							Proj Area >										Technology Use Fee							
																	Total Price				425,413			
Submitted to: Mountains Recreation Conservation Authority (Attn: Sarah Rascon, LA River Program Officer)									Water Resources Principal (Bethany Bezak)	Project Manager (Jaime Sayre, PhD, PE)	Technical Advisor (Ira Artz, PE)	Jr. Water Resource Engineer (Gina Palino)	Jr. Water Resource Engineer (Payton Smith)	Graphics Designer (Regina Schelbner)	Jr. Water Resource Engineer (Ali Tasdighi)	Jr. Water Resource Engineer (Kim Truong)	Pricing by Resource							
Contract Type: T&M				Schedule			Work Days Off	Work Days	Total Labor Hrs		Task Pricing Totals													
Project Phases / Tasks				From	Thru	Months			1,806		24	234	110	580	132	164	314	248	Labor Rate Esc.	Labor	Subs	Travel	Mat'ls & Equip	ODCs
PHASE 4. ADDITIONAL MEETINGS, PLAN SERVICES, AND MONTHS OF SUPPORT																								
Task 401. Project Mgt, Meetings, and Facilitation																			90,550	71,841	-	-	-	162,391
401.1 Project Management																		47,820	21,010				68,830	
401.2 Meeting Coordination/Facilitation																		42,730	50,831	-	-	-	93,561	
Working Group Meeting (2 Meetings)																		15,150	35,409	-	-	-	50,559	
Working Group Project Team Planning Meeting (2)																		5,090	13,409	-	-	-	18,499	
Project Planning Team (Tetra Tech and MIG)																		5,090	1,221				6,311	
Project Planning Team (StudioMLA)																			12,188					12,188
Working Group Meeting (2)																		9,240	19,602	-	-	-	28,842	
WG Technical Team																		9,240	14,300				23,540	
WG Facilitation Support (MIG)																			5,302					5,302
Working Group Meeting Summaries (2)																		820	2,398				3,218	
Technical Committee Meetings (2 Meetings)																		18,320	10,054	-	-	-	28,374	
People and Recreation																		9,160	5,027				14,187	
Water Resources and Environment																		9,160	5,027				14,187	
Project Team Coordination and Production of Additional Materials																		9,260	5,368	-	-	-	14,628	
Project Team Coordination																		9,260	5,368				14,628	
Task 402. Spanish Translation																		45,060	36,575	-	-	-	81,635	
Spanish Translation of Plan - Draft																		33,860	27,500				61,360	
Spanish Translation of Plan - Final																		11,200	9,075				20,275	
Task 403. Expanded Bundle and Project Design Area																		1,640	3,267				4,907	
Task 404. Renderings of Selected Locations																		5,740	37,994				43,734	
Task 405. Online Commenting Support																		4,280	9,680				13,960	
Task 406. Typology Analysis																		16,180	32,566				48,746	
Task 407. Design Area and Opportunity Area Analysis																		20,160					20,160	
Task 408. Coordination and Integration of the LARMPU																		8,280					8,280	
Task 409. Additional Tasks Performed (see supporting table as backup)																		41,600					41,600	
Totals									1,806	24	234	110	580	132	164	314	248	0.00%	233,490	191,923	-	-	-	425,413

MRCA
Attachment
11-6-19
Agenda Item

October 24, 2019

Ms. Sarah Rascon, Urban River Program Officer, Los Angeles River
Mountains Recreation and Conservation Authority
570 West Avenue 26, Suite 100
Los Angeles, CA 90065

**Reference: PROPOSAL TO PROVIDE SUPPORT FOR BLUE SKY CONCEPTS, CLIMATE METRICS,
HOUSING ON PUBLIC LAND AND PLAN LISTENING SESSION**

Dear Ms. Rascon:

Tetra Tech is pleased to provide our proposal for Blue Sky Concept development and analysis, expanded housing analysis, and a final phase of community outreach meeting in the form of a listening session. The design areas and rendered perspectives were developed based upon community input and experience related to successful projects given the existing conditions; however, the Working Group directed the team to push the envelope and develop the “Blue Sky” concepts. A brief summary list of the main additional tasks is as follows:

- Enhancement of three (3) existing recommended design area concepts
- Development of Blue Sky Concepts
 - Further development of three previously identified design areas
 - Five (5) rendered plans for the new design areas identified as Blue Sky Design Areas
 - Three (3) rendered perspectives for previously identified Design Areas will be elevated to Blue Sky as an update to previous work.
 - Recommended next steps
- Climate metric development and analysis
- Housing analysis
- Listening session

Our key project team members include **Jaime Sayre**, Project Manager; **Gina Palino**, Deputy Project Manager; **Ira Artz**, Technical Advisor; and **Bethany Bezak**, Principal-in-Charge. In addition, we propose to continue our teaming partnership with **Esmeralda Garcia**, Facilitator from MIG, and **Jan Dyer**, Landscape Architect from Studio-MLA.

Scope of Services

Task 500. Additional Support for Outreach and Blue Sky Concepts

501. Project Management and Coordination

The Tetra Tech Project Manager will work closely with the MRCA to ensure that the project objectives and schedule are met.

Tetra Tech is committed to ensuring that the MRCA is fully informed of all project-related activities and progress. This will be achieved through regular project communication that will allow the MRCA Project Manager to measure the actual versus plan work progress.

Tetra Tech's Project Manager will be responsible for overall project management. Tetra Tech will update the project schedule to include the additional project concepts. The Tetra Tech Project Manager will arrange for a weekly conference call with the MRCA Project Manager and key project team leaders to review the project. We have budgeted for weekly project coordination conference call meetings with a 0.5-hour duration.

Deliverables

- Project Schedule and Monthly Updates through contract term ending June 2020 submitted electronically.
- Coordination Meeting agendas, materials, and action items.
- Development and production of additional materials, as needed.
- Continued coordination with the project and technical teams through the development of the additional project concepts, climate metrics, and housing analysis described herein.

Assumptions

- Additional project coordination, development and production of materials, and meeting materials will be performed under this task.
- Tetra Tech assumes that after March 2020, the project will require less project management and coordination support, and, therefore, has reduced the length of the weekly coordination meetings to 0.5 hours (from 1.5-hours during the more active months of the project).
- The duration of this task is three months, to be completed in June 2020.

Task 502. Spanish Translation Services

Tetra Tech will coordinate the Spanish translation of the blue-sky concepts narrative and housing analysis. This will include time for coordination with the translation service, laying out the Spanish version in In-Design, and reviewing the translated Plan.

Deliverables

- Draft and Final Spanish translated ULART Volume 1, Chapter 3 Part 2 (Housing Analysis and Blue Sky Ideas).
- Draft and Final Spanish translated ULART Volume 1, Chapter 4 (Climate Metrics).
- Draft and Final Spanish translated ULART Plan, Volume 2, Section F (Blue Sky Ideas and Housing Analysis).

Assumptions.

- Delays in translation due to Subconsultant translator could result in the delays for the Tetra Tech Team. All efforts will be made to minimize the possibility of delays on the part of the Tetra Tech Team.
- Spanish terminology changes requested by the planning team will be incorporated as part of the final ULART Plan.

Task 503. Blue Sky Concept Development

The following task includes all elements associated with Blue Sky Concepts and will be included in the plan in both the main body and in the appendices as is described under each item.

503. 1 Edits to current Designs and Development of New Design Areas

1. Addition of five (5) new areas for development of designs including:
 - a. Lower Arroyo Park,
 - b. Sepulveda Basin Nike Missile Housing site,
 - c. Hansen Dam Spreading Grounds,
2. Development for two (2) sections for each of the following:
 - a. Tujunga Wash Greenway Expansion
 - b. Southern Aliso Greenbelt Connector
3. Addition of three (3) perspective renderings for:
 - a. Lower Arroyo Park,
 - b. Hansen Dam Spreading Grounds and the
 - c. Tujunga Wash Greenway Expansion.
4. Enlargement of the three previously designed recommended design areas (Aliso Canyon Wash, Pacoima Wash, and Arroyo Seco) as follows:
 - a. Site visit and photography of expanded areas
 - b. Review and coordination options with the team
 - c. Hand sketches of additional areas/improvements
 - d. AutoCAD Linework of additional areas/improvements
 - e. Updates to each plan in Illustrator
 - f. Updates to each project area narrative for the plan
5. One meeting with County Public Works to share the updated concepts including minor updates to the concepts based on input from County Public Works
6. Coordination internally and with the team

Deliverables:

The Blue Sky deliverables will include:

- Enhancements to three (3) existing recommended design areas (this includes one round of consolidated comments from the MRCA, Working Group, and the Community).
- Five (5) plan views and three (3) rendered perspectives of the Blue Sky concepts (this includes one round of consolidated comments from the MRCA, Working Group, and the Community).
- Updated Master Opportunity Area List.

Assumptions:

- No new perspectives will be added to the enhancements of the existing recommended design areas. (Birds Eye and perspective renderings will not be modified).
- Additional meetings or materials other than internal team meetings and related materials.
- Perspectives/illustratives or physical models other than outlined above
- Changes to concepts based on input from other agencies will be accepted during November 2019 Working Group meeting

Task 504. Housing Analysis

The ULART region's critical needs for housing will be incorporated into the analysis to make the final Plan more relevant and applicable. The working group requested this analysis to look into the relationship between housing and open space needs to be met with the dwindling available space within the County. Direction was given by MRCA to use the assumption that the ratio between population density and green space would be in line to the Village Green development in Los Angeles. To provide usable and functional analysis the following subtasks were identified:

504. 1 Literature review

Analysis includes review of existing public parcel databases, and relevant plans analyze public property for possibilities such as the LA City Controller Property Panel Report, available data relate to the housing component of the LA River Master Plan Update, and relevant planning documents related to identified parcels.

504.2 Eighteen (18) Design Areas Housing Opportunity Identification

- Identification of Publicly Owned Parcels
- Identification of current use
- Suggestions for land-use consolidation, or relocation
- Overview of land dimensions
- Suggestions for the Housing Potential of each parcel based on appropriate FAR density
- Should the analysis of the existing Design Bundle Areas not yield enough land that is reasonably suited for 1000 units of housing, the team will expand the analysis to include parcels outside the design areas but within ½ mile of each tributary until sites for 1,000 units are identified.

Deliverables

- Report with approximately 5 pages of content to be included in final plan, including narrative describing the purpose, methodology, and results of the analysis as well as basic graphics.
- Sites will be shown on a series of 5-6 diagrams/aerial images.

Assumptions

- The above tasks task focuses on the identification of sites that are reasonably suitable for 1000 units
- If not readily available, acquisition cost of County assessor's data is not included.
- Only preliminary analysis will be undertaken, additional research into feasibility such as zoning restrictions, existing development requirements, or costs will not be included
- No coordination with property owners, authorities having jurisdiction, or agencies are included

Task 504.4 Precedent images

Precedent images and descriptions of 5 housing developments (including Village Green) that have used best-practice design to meet goals aligned with the ULART Revitalization Plan mission including:

- Sustainability
- Water Treatment
- Open Space
- Air Quality

Deliverable:

- Precedent images and descriptions of 5 housing projects to be included into final plan and as part of Chapter 3, Part 2.
- Precedents will be limited to Southern California.

Assumptions:

- Written permission is required for images to be used in the plan. Part of this task will be obtaining permission from respective owners which we anticipate taking approximately 3 weeks.

Task 505. Climate Metrics

The working group directed the project team to further analyze the impacts of climate change and how each project would potentially mitigate or contribute to those impacts. These metrics will aim to quantify and determine greenhouse gas reduction impacts to the acreage of open space created, and study habitat and biodiversity metrics for land under public land ownership. To measure the impact of the Upper LA River and Tributaries plan, we recommend a stratified sampling technique.

In this method, the identified opportunity areas will be divided into typologies that share similar design and benefits. For example, a bridge, a park, and in-channel improvements are three typologies in the Upper LA River and Tributaries plan. They each provide different environmental, social, wildlife, and hydrological benefits. An accurate estimate of the Upper LA River and Tributaries impact would take these differences into effect.

The resiliency metric will study the impact of 343 opportunity areas. This list includes

- Recommendations from the working group and committees
- Recommendations from members of the public
- Recommendations from the web survey
- Project from other plans
- The ULART recommended design areas

To measure the impact of the plan, Studio-MLA suggests the following metrics

How will the plan remove pollution?

- Sequestering X Tons of Carbon
- Reducing Energy Emissions by Kwh
- Reducing Acres of Impervious Land Coverage
- Reduction in Pollutants
 - o Carbon Monoxide (Lbs.)
 - o Nitrogen Dioxide (Lbs.)
 - o Particulate Matter (Lbs.)
 - o Sulfur Dioxide (Lbs.)

How will the plan provide social benefits?

- Reducing % People More Than 1/2 Mile from a Park
- Increasing Tree Canopy Coverage by X%
- Providing an additional X Acres of Open Space
- Providing an additional X mile of connections (trails, bridges, green streets, etc.)

How will the plan improve wildlife connectivity?

- Providing X miles of Wildlife connections
- Providing X acres of Wildlife habitat
-

Task 505. 1 - Classifying the 343 Opportunity Areas into Typologies

Each of the 343 opportunity areas will be classified into one of the typologies listed below.

- Channel Right of Way (<12' wide, 12-25' wide, 25'+ wide)
- Commercial Land Uses
- Community Connections (Bridges, Highway Underpass, Existing Street)
- In Channel Improvements (low flow, naturalization)
- Industrial Land Uses

- Institutions
- Parks and Ecological Connections (Recreational park, Passive Park, Wildlife Habitat)
- Stormwater Basins

For some opportunity areas, only one typology will be relevant. For example, a bike path along the Aliso Canyon Wash might be categorized into the Channel Right-of-Way typology. Larger OAs would be divided into multiple typologies. Hansen Dam Park, for example, includes commercial land uses, community connection, institutions, parks space, and stormwater basins.

Task 505. 2 - Measuring the Typical Benefits per acre for each Typology

To get an accurate measurement, Studio-MLA will work with Travis Longcore to review and refine the typological groups and analyze the ecological, social, wildlife, and habitat benefits for each group.

This step will include:

- Reviewing and refining the typologies to ensure that they provide a similar benefit. (For example, community-connection is a large category and not all community connections will provide the same level of benefit. It would be more accurate to divide that group down into bridges, highways, and green streets).
- Using calculators such as i-Tree to measure the benefits per acre for each typology. To develop a “typical number” We will run the analysis for at least 3 different sites and create an average

Task 505. 3 - Extrapolate the typical benefits to the 343 opportunity areas

The potential impact of the Upper LA River and Tributaries plan will be developed by extrapolating the typical benefits per acre for each typology (see step 2) to all 343 opportunity areas. The analysis will use Tetra Tech’s acreage data for each opportunity area.

Task 505.4 - Report Development

To explain the results, Studio-MLA will develop graphic, tables, and charts that clearly explain the results and the methodology.

Deliverables:

- Summary report of benefit calculation methodology and results

Assumptions:

- Typologies may vary slightly from those used in the rest of the plan to help more accurately represent the benefits from those types of projects
-

Task 506. Listening Session

The Tetra Tech team will coordinate, plan, and undertake one (1) 4-hour listening session for once the plan goes out for public comment.

Deliverables:

- 2 Planning meetings (assumed duration 1 hour each)
- 1 Runthrough meeting (assumed duration 1.5 hours each)
- 1 Listening Session (4 hours)

Assumptions:

- MRCA will provide the venue and any food related items for the event.

- MRCA will provide coordination with NGOs involved in outreach and meeting attendance
- Two members from MIG will attend the meeting and gather input received and answer questions
- One member of the technical staff from Tetra Tech will attend to answer questions.

Cost Proposal

Work under this task will be billed on a time and materials basis under the current agreement between Tetra Tech and the Mountains Recreation and Conservation Authority dated September 20, 2018. Estimated costs associated with this project are consistent with the contract approved rates. The Tetra Tech cost proposal is \$449,086.

Tentative Schedule for Completion of Work

From confirmation of this proposal, the Tetra Tech Team will begin the work described herein. If any assumption is not met or a delay is encountered, Tetra Tech will correspond with the Mountains Recreation and Conservation Authority and give an updated time and fee schedule.

Please contact Jaime Sayre at jaime.sayre@tetrattech.com or 626-470-2303 if you have any questions or require additional information.

Best Regards,

Bethany Bezak, PE, LEED AP
Principal
Direct: 858-609-1634 | Cell: 248-302-7518 | bethany.bezak@tetrattech.com

Enc:
Cost Proposal
Studio-MLA Proposal
MIG Proposal

ATTACHMENT A. COST PROPOSAL

Price Proposal							Revision Date: Oct 24, 2019		Labor Plan								Price Summary / Totals									
AB 466 Upper LA River and Tributaries Revitalizatio							Bill Rate >		8 Resource								Task Pricing Totals					449,086				
									300.00		190.00		215.00		110.00		165.00		110.00		110.00		Specify Add'l Fees on Setup			
							Proj Area >															Technology Use Fee				
Submitted to: Mountains Recreation Conservation Authority (Attn: Sarah Rascon, LA River #																	Total Price					449,086				
Contract Type: T&M																	Pricing by Resource									
Project Phases / Tasks				Schedule			Work Days Off	Work Days	Total Labor Hrs	Water Resources Principal (Bethany Bezak)	Project Manager (Jaime Sayre, PhD, PE)	Technical Advisor (Ira Artz, PE)	Jr. Water Resource Engineer (Gina Palino)	Sr Water Resource Engineer (Rachel Herr)	Graphics Designer (Regina Scheibner)	Jr. Water Resource Engineer (Kim Truong)	Labor Rate Esc.	Labor	Subs	Travel	Mat'l's & Equip	ODCs	Task Pricing Totals			
				From	Thru	Months																		0.00%		
PHASE 5. BLUE SKY CONCEPT DEVELOPMENT, HOUSING ANALYSIS, AND LISTENING										828	24	92	84	268	104	144	112		117,540	331,546	-	-	-	449,086		
Task 501. Project Management and Coordination										216	8	40	40	80	32	8	8		34,440					34,440		
Task 502. Spanish Translation Services										164	4	20	4	60		60	16		20,820	16,500				37,320		
Task 503. Blue Sky Concept Development										192	4	12	24	60	40	12	40		27,560	220,545				248,105		
Task 504. Housing Analysis										128	4	8	8	32	16	24	36		17,200	30,492				47,692		
Task 505. Climate Metrics										112	4	8	8	24	16	40	12		15,440	57,409				72,849		
Task 506. Listening Session										16		4		12					2,080	6,600				8,680		
										</																