

AGENDA



3:00 P.M.

CITY COUNCIL SPECIAL MEETING

WEDNESDAY, FEBRUARY 24, 2021

NOTES:

- Meeting room is wheelchair accessible. American Disabilities Act (ADA) accommodations are available upon request. Please phone 928-282-3113 at least two (2) business days in advance.
- City Council Meeting Agenda Packets are available on the City's website at:

www.SedonaAZ.gov

GUIDELINES FOR PUBLIC COMMENT

PURPOSE:

- To allow the public to provide input to the City Council on a particular subject scheduled on the agenda.
- This is not a question/answer session.
- The decision to receive Public Comment during Work Sessions/Special City Council meetings is at the discretion of the Mayor.

PROCEDURES:

- **It is strongly encouraged that public input on agenda items be submitted by sending an email to the City Clerk at sirvine@sedonaaz.gov in advance of the 3:00 p.m. Call To Order.**
- Fill out a "Comment Card" and deliver it to the City Clerk.
- When recognized, use the podium/microphone.
- State your:
 1. Name and
 2. City of Residence
- Limit comments to **3 MINUTES.**
- Submit written comments to the City Clerk.

DUE TO CONTINUED PRECAUTIONS RELATED TO COVID-19, SEATING FOR THE PUBLIC WITHIN THE COUNCIL CHAMBERS IS ARRANGED IN COMPLIANCE WITH CDC GUIDELINES FOR PHYSICAL DISTANCING AND IS VERY LIMITED. THOSE WISHING TO COMMENT ON SCHEDULED AGENDA ITEMS MAY BE ASKED TO WAIT OUTDOORS OR IN AN ALTERNATE LOCATION IF THERE IS NOT ADEQUATE SEATING IN COUNCIL CHAMBERS. **COMMENTS IN ADVANCE OF THE 3:00 P.M. CALL TO ORDER ARE STRONGLY ENCOURAGED BY SENDING AN EMAIL TO SIRVINE@SEDONAAZ.GOV AND WILL BE MADE PART OF THE OFFICIAL MEETING RECORD.** THE MEETING CAN BE VIEWED LIVE ON THE CITY'S WEBSITE AT WWW.SEDONAAZ.GOV OR ON CABLE CHANNEL 4.

1. CALL TO ORDER/PLEDGE OF ALLEGIANCE/MOMENT OF SILENCE
2. ROLL CALL
3. SPECIAL BUSINESS

LINK TO DOCUMENT =

- a. AB 2378 **Discussion/possible action** regarding the Sedona in Motion transportation program including consideration of a contract amendment to the professional services contract with WSP USA Inc in the amount of \$111,113 for the SR 179 Pedestrian Crossing at Tlaquepaque Project.
- b. **Discussion/possible action** regarding future meetings/agenda items.

4. EXECUTIVE SESSION

If an Executive Session is necessary, it will be held in the Vultee Conference Room at 106 Roadrunner Drive. Upon a public majority vote of the members constituting a quorum, the Council may hold an Executive Session that is not open to the public for the following purposes:

- a. To consult with legal counsel for advice regarding matters listed on this agenda per A.R.S. § 38-431.03(A)(3).
- b. Return to open session. Discussion/possible action regarding executive session items.

5. ADJOURNMENT

Posted: 02/18/2021

By: DJ

Susan L. Irvine, CMC
City Clerk

Note: Pursuant to A.R.S. § 38-431.02(B) notice is hereby given to the members of the City Council and to the general public that the Council will hold the above open meeting. Members of the City Council will attend either in person or by telephone, video, or internet communications. The Council may vote to go into executive session on any agenda item, pursuant to A.R.S. § 38-431.03(A)(3) and (4) for discussion and consultation for legal advice with the City Attorney. Because various other commissions, committees and/or boards may speak at Council meetings, notice is also given that four or more members of these other City commissions, boards, or committees may be in attendance.

A copy of the packet with material relating to the agenda items is typically available for review by the public in the Clerk's office after 1:00 p.m. the Thursday prior to the Council meeting and on the City's website at www.SedonaAZ.gov. The Council Chambers is accessible to people with disabilities, in compliance with the Federal 504 and ADA laws. Those with needs for special typeface print, may request these at the Clerk's Office. All requests should be made **forty-eight hours** prior to the meeting.

CITY COUNCIL CHAMBERS
102 ROADRUNNER DRIVE, SEDONA, AZ

The mission of the City of Sedona government is to provide exemplary municipal services that are consistent with our values, history, culture and unique beauty.



**CITY COUNCIL
AGENDA BILL**

**AB 2378
February 24, 2021
Special Business**

Agenda Item: 3a

Proposed Action & Subject: Discussion/possible action regarding the Sedona in Motion transportation program including consideration of a contract amendment to the professional services contract with WSP USA Inc in the amount of \$111,113 for the SR 179 Pedestrian Crossing at Tlaquepaque Project.

Department	Public Works Department
Time to Present	30 minutes
Total Time for Item	2 hours
Other Council Meetings	March 27, 2018, June 13, 2018, August 15, 2018, December 11, 2018, March 27, 2019, May 29, 2019, July 23, 2019, October 22, 2019, February 11, 2020, June 24, 2020; October 14, 2020
Exhibits	None

City Attorney Approval	Reviewed 2-16-2021 KWC	Expenditure Required	
		\$	111,113
City Manager's Recommendation	Approve a contract amendment to the professional services contract with WSP USA Inc.	Amount Budgeted	
		\$	105,000 (\$0 available)
		Account No. (Description)	22-5320-89-6881 (Pedestrian Crossing at Tlaquepaque – design)
		\$	1,271,800 (\$1,132,327 available)
		Account No. (Description)	22-5320-89-6881 (Pedestrian Crossing at Tlaquepaque – construction)
		Finance Approval	<input checked="" type="checkbox"/>

SUMMARY STATEMENT

The January 2018 City of Sedona Transportation Master Plan (TMP) evaluated Citywide transportation needs and concluded with a set of recommended strategies to address congestion and mobility needs of residents, visitors, and commuters. These strategies have been developed into a system of capital improvement projects that collectively have been identified and promoted as the Sedona In Motion (SIM) program. The SIM program is a multi-

modal transportation initiative embracing Sedona's community values for improved traffic flow, community connections, business and tourism connections, economic vitality and diversity, environmental stewardship, walkability, and sense of place.

Public Participation:

There are many ways for the public to participate in the development of SIM projects. Citizens can post comments to the SIM section of the City's website [here](#). Citizens can also submit written comments directly to City Council members on the City's website [here](#). Written comments are given equal consideration to those submitted in person during meetings.

Citizens wishing to make public comment are required to complete a comment card provided near the entrance of the Council Chambers. Public comments are generally taken after presentation and initial questions for the specific agenda item or topic. Once called upon, the speaker will generally be limited to 3 minutes. The timing and time allowance for speakers can be further changed or limited based on the Mayor's discretion to ensure orderly progress of City business. Please note that while citizens can engage with Councilors in multiple ways at any point in time, Councilors are prohibited by law from discussing City business outside of a scheduled public meeting; meaning Council meetings are the only opportunity for Council as a body to deliberate. The projects are listed in the order that they will be presented to Council.

Public participation throughout the TMP and SIM project development has been a primary focus. Some recent outreach efforts include:

- More than 4,300 engagements via survey responses, public meetings, open houses, and news coverage between spring 2016 and now.
- 1500 subscribers to SIM email update list
- 311 individual user responses on Wikimapping tool for SIM-11 - July 2019
- 476 responses on the budget survey that asked about SIM topics
- 1100 people reached with Facebook post about Jordan roundabout construction - September 2019
- 180 letters sent to residents north of the Owenby Way extension – October 2019
- 42 Monday Morning Meetups for SIM-1
- Individual meetings as appropriate for key projects and project stakeholders throughout project design development.

Background:

SIM-4C Pedestrian Crossing at Tlaquepaque

The design contract for this project was approved by Council on September 24, 2019. Project design and review has progressed from scoping to a 90% design development stage. Stakeholder meetings on the 90% plans identified a potential impact the pathway alignment may pose to some existing mature trees. Project design was suspended to further evaluate the impact and assess realignment and/or modifications to the pathways support structure to avoid or minimize impacts. A potential realignment option together with modifications to the pathway support structures has recently been identified. The option will require an amendment to accommodate the redesign effort by the consultant in the amount of \$111,113. A motion by City Council to approve a contract amendment in this amount is necessary in order to further proceed with design of project. Budget capacity is available in this project due to the delays in construction resulting from the redesign effort. The construction portion of the budget will be reappropriated in FY22.

SIM-1, Uptown Roadway Improvements

Construction on the project initiated on June 3, 2019 and was substantially complete on September 14, 2020. Significant travel time benefit has been realized for southbound SR 89A.



Northbound delay continues to be an issue. Staff has reached out to Kimley-Horn and Associates for a proposal to do further data collection, modeling, and analysis to identify strategies that will help alleviate northbound congestion. Part of this scope would also be to incorporate other modeling efforts that have been done for Transit and the Pedestrian Crossing at Tlaquepaque, as well as to include improvements such as a new roundabout at Forest Road, and an extension of Ranger Road that were not originally included in the modeling done for the TMP. Staff would like Council's input on proceeding with this approach. The amount of the contract will be included during the presentation.

SIM-3A Uptown Parking Garage

At the February 26, 2020 Council work session, staff was directed to move forward with the north Forest Road lot location utilizing a 3-level structure with 1 level subsurface. Property acquisition for these parcels has been completed. A Request for Qualifications was advertised in August for the design of the structure, and the City received a total of 11 Statements of Qualification from consultants. By unanimous decision a 5-person selection committee ranked the architecture firm of Gabor Lorant Architects as the most qualified candidate for the work. At its January 12, 2021 meeting, City Council approved a design contract with the architecture firm of Gabor Lorant Architects (GLA).

Staff has since initiated design efforts with the architect. Some of the initial design efforts underway include geotechnical site investigations, site survey, and design scoping for the parking structure. The design scoping effort, which includes evaluation of sustainable technologies and structure design elements will establish the narrative and approach to design of the structure. Some general work activities in this initial phase of the design include: formation of a public outreach plan; site and floor plan layout; identifying the preferred structural framing system; development of site and structure illustrations/renderings; assessment of utility service needs; management of stormwater; conceptual construction cost assessment; assessment/mitigation of project impacts; and other.



SIM-4A, Y Roundabout Modernization

Modeling and analysis of the two-month testing of the directional signing and turn restrictions did not indicate enough of a benefit to continue moving forward with the project as previously scoped. As a result, the proposal to put a slip lane from SR 89A from West Sedona to southbound SR 179 through the ADOT property will not be pursued, no lanes will be added or changed, and there will be no encroachment on private property. The project has been modified to focus on modernization enhancements to the roundabout and adjacent roadway including signing, striping, and pavement rehabilitation to improve safety and the efficiency of the roundabout operations. An amendment to the existing IGA will be presented to Council in March. Design is 60% complete. Construction is anticipated to start in August and be complete in September 2021. Staff will continue to look for ways to improve efficiency in this area in the future, as it is a known bottleneck during congested times.

SIM-5A Portal/Ranger/Brewer Road Connections

The intent of these improvements is to require vehicles that enter the parking lot to exit out to Ranger Road and provide signage for vehicles coming from the south side of Soldier Wash to use that exit if their destination is West Sedona or Uptown. Design is nearly complete for the Ranger Road connection through the Tlaquepaque parking lot and the City sewer lift station. Construction of these improvements is pending acquisition of the necessary access easement.

Staff is also now coordinating with Los Abrigados to provide a connection from their property through the City owned Ranger Station property to Brewer Road. Prior to finalizing design for the project, staff will present the project to the Planning and Zoning Commission, as it will require an amendment to the existing Ranger Station Park Master Plan.

SIM-5B Forest Road Connection

Design of the project stands at the 90% development stage. Plans have been reviewed by ADOT with only minor comments remaining for final approval. 90% utility plan review has been completed as well as 90% stakeholder plan review meetings. Current project activity is focused on completing appraisals for partial acquisitions for support of the roadway right-of-way as well as sloping and drainage easements and moving design forward to 100%. Coincidentally

individual legal descriptions and exhibits are in process to support the right-of-way and easement acquisitions for the roadway.

SIM-7/8 Enhanced Transit Service

Citizen surveys, including the most recent budget survey, have consistently shown a majority of the community supporting transit including supporting an extension of the existing transportation sales tax beyond the ten-year timeframe in order to pay for transit (60% support). At the August 11, 2020 Council meeting, staff was directed to proceed with accepting a Federal Transit Administration grant in the amount of \$132,800 towards the hiring of a transit administrator position. The position was recently filled by Robert Weber who is currently getting acquainted with his new position and informing himself on details and matters associated with the proposed new transit system and center.

SIM-10 West Sedona Signal Improvements

At the urging of City staff, the ADOT Northcentral district has begun evaluating the performance of signals in West Sedona. Based on vehicular volumes at the Coffee Pot and Rodeo intersections, ADOT is considering removing one of the crosswalks on SR 89A at each intersection, which would increase green time on SR 89A by 20 seconds on each cycle. This project has been on hold and staff is awaiting further information from ADOT.

SIM-11 Bicycle and Pedestrian Improvements

These projects focus on improvements that can make walking and bicycling safer, more convenient, and more comfortable. The improvements we are currently pursuing begin the path toward a more bike-friendly and walkable Sedona.

Currently there are several projects that include Shared Use Paths under construction: Dry Creek Road; Sanborn/Thunder Mountain Road; Sunset Drive; and Shelby Drive. Other shared use pathway projects, such as: Posse Ground Parking/Soldiers Pass Road; Chapel Road; Navoti Drive to Dry Creek Road; and Pinon Drive are complete relative to design and pending construction as budgets permit.

The GO Sedona master-planning effort has also been completed. This plan will be a blueprint for making Sedona a more walkable and bikeable community over the next 10 years, detailing what improvements the community wants to see and identifying the priority projects to complete. Collectively, the vision for these paths is to brand them as the Sedona Trails & Pathways System or ST&PS.



SIM-12, Traveler Information

ADOT has been displaying travel times to Sedona on the I-17 corridor since December 2018. Staff continues to engage ADOT to ensure that the information provided to travelers is meaningful and accomplishes the objectives of the City. The data source for the ADOT signs has been compared with the City's data, and it is accurate within a couple minutes. Staff is continuing to monitor data and is in process of analyzing what effect the signage may have. ADOT has submitted a proposal for additional infrastructure that is included in Governor Ducey's rural broadband initiative. The proposal includes fiber-optic improvements and several dynamic message sign (DMS) boards along I-17 as well as additional cameras and wrong-way detection. ADOT is awaiting information on budget/revenue impacts before these projects may proceed. If/when this is approved, the City will coordinate to discuss options for using and locating a DMS board closer to the SR 260 intersection for northbound motorists.

New cameras have been installed along SR 179 near Tlaquepaque and at midblock in Uptown to monitor current traffic conditions. The City Information Technology Department is working on how to make the camera photos publicly viewable. Staff is pursuing other locations for cameras as well.

SIM-6, Neighborhood Street Connections

Neighborhood connections were put on hold in 2018. However, as of the 2020 City Council retreat, Council has requested that neighborhood connections be reevaluated with the primary focus on neighborhoods with single points of ingress and egress. This reevaluation will take place over the next 6-12 months.

Community Plan Consistent: Yes - No - Not Applicable

The Sedona In Motion program in general supports the six Vision Themes of the Sedona Community Plan.

- Environmental Stewardship: Conserves natural resources associated with wasteful vehicle operations due to congested travel time.
- Community Connections: Supports community connections through its emphases on public participation and involvement during design development and indirectly by improving mobility between gathering place in Uptown Sedona.
- Improved Traffic Flow: Reduces congestion and travel times and improves vehicle and pedestrian safety.
- Walkability: Reduces vehicle and pedestrian conflicts improving walkability and safety.
- Economic Diversity: Improves local resident and visitor access through multimodal transportation options and connections.
- Sense of Place: 1% of project expenditures will go towards the development of arts, cultural, or heritage. Projects will be built consistent with local codes and with intention on preserving or complimenting the natural and scenic beauty of Sedona.

Board/Commission Recommendation: Applicable - Not Applicable

Alternative(s): N/A

MOTION

I move to: approve a contract amendment to the professional services contract with WSP USA Inc in the amount of \$111,113 for the SR 179 Pedestrian Crossing at Tlaquepaque Project.



1230 W. Washington St. Ste 405
Tempe, Arizona 85281
wsp.com

January 26, 2021

Mr. Robert J. Welch, PE
City of Sedona
102 Roadrunner Drive
Sedona, AZ 86336

City of Sedona – SR 179 at Tlaquepaque
Contract Modification #3 – Sycamore Mitigation

Dear Mr. Welch,

Please find enclosed the revised scope and fee to change the current aesthetics and landscaping concept of the path and to re-align the path farther away from the sycamore trees for the above referenced project. The scope of work is modified in response to additional stakeholder feedback and your comments on the previously submitted scope and fee.

Please let me know if you have any questions or require additional information. I am available at 480.449.7745 or via email at Stephen.Doubek@wsp.com.

Our entire team is looking forward to continuing work with you and the City of Sedona on this project.

Sincerely,

A handwritten signature in blue ink that reads "Stephen Doubek". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Stephen Doubek, PE
Project Manager

Cc: File

City of Sedona - Project Number: XXXXXXXXX

SR 179 at Oak Creek Pedestrian Crossing Final Design – Contract Modification 3

Scope of Services

Contract Modification 3

This Contract Modification 3 is in response to additional stakeholder feedback received from September 8, 2020 to November 16, 2020, to change the current aesthetics and landscaping concept of the path (to not match Tlaquepaque) and to re-align the path farther away from sycamore trees at the east edge of the Tlaquepaque property to mitigate impacts to their roots system.

The design team was in the 90% QA review when the City sent a stop work order on September 8, 2020 due to new stakeholder comments that were received. The effort represented in this Contract Modification is the revised design required to address stakeholder feedback as directed by the City of Sedona. These additional services affect approximately half the original path alignment and features and the subsequent rework of the affected plan sheets, cost estimate, quantities, and special provisions. The design will be updated in a revised 90% package to be submitted to the City. The new alignment will require revised retaining wall heights and a more detailed hydraulic model as the path will encroach further into Oak Creek than the previous alignment. Scope for the 100% and Sealed submittals will be rendered from the original contract, no additional compensation is being requested for these two items.

Scope of Services Modification

Task 4 - Final Design Plans, Specs and Estimate (90%, 100%, Sealed)

The project revised design will be submitted to the City for review at the 90% stage.

The following design elements will be prepared and submitted for approval and final acceptance for construction advertisement. All CAD deliverables will be in the AutoCAD software and utilize City of Sedona border and cover sheet files provided by the City.

4a) Roadway Design:

WSP shall develop revised plans for the pedestrian underpass to incorporate constraints into the pathway design associated with mitigating impact to the existing sycamore trees on the Tlaquepaque property. This includes: revising the Segment 1 path geometry (horizontal and vertical alignment) and pavement edges to reduce impact to the existing trees, revising the secondary Tlaquepaque access alignment, removing the plaza area, recalculating ADA landings and slopes, updating the roadway model to determine revised retaining wall heights/locations and retaining curb heights/locations, and revising right-of-way and construction easement limits. Figure 1 shows the revised concept developed in coordination with Tlaquepaque. The revised pathway design plans shall include typical sections, details, plan and profile sheets. It is assumed that path alignments

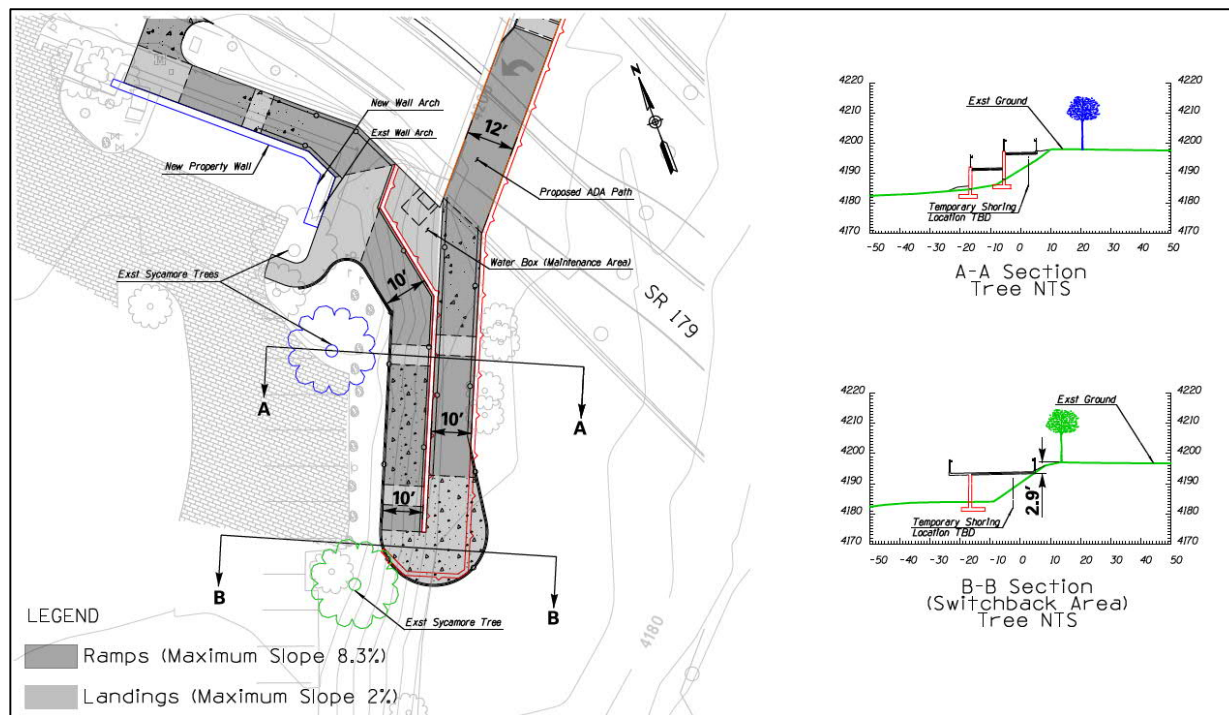
City of Sedona - Project Number: XXXXXXXX

SR 179 at Oak Creek Pedestrian Crossing Final Design – Contract Modification 3

Scope of Services

for Segments 2 and 3 do not change from the previous 60% design submittal. This concept will also have to be reevaluated for hydraulic impacts to Oak Creek and the existing SR179 bridge.

FIGURE 1- Sycamore Trees Identified by Stakeholders and Revised Pathway Concept



Plans sheets and profile sheets will be prepared using a horizontal scale of 1" = 40' and vertical scale of 1" = 2'. Detail sheets will be prepared at a horizontal scale of 1" = 20' scale.

4b) Drainage Design (by JE Fuller):

HEC-RAS 1D Hydraulic Model Analysis

Given the fact that the latest location of the switch back for the Oak Creek Pedestrian Crossing is encroaching significantly further into the active conveyance channel of Oak Creek, JEF recommended that a HEC-RAS 2-Dimensional hydraulic model be developed. The 2-Dimensional model results could be used to evaluate more accurately the hydraulic and erosion impacts that the encroachment would have on Oak Creek and to confirm that no adverse impacts would occur to the existing SR 179 Bridge and the existing parallel Pedestrian/Utility Bridge. It is understood that the City has budget limitations and did not want to undertake this analysis. Therefore, we will do our best to model the encroachment and other proposed features accurately in the 1-D HEC-RAS model. However, we cannot guarantee that the model will show no adverse impact to the hydraulics through the bridge section even with the compensatory conveyance channel.

City of Sedona - Project Number: XXXXXXXXX

SR 179 at Oak Creek Pedestrian Crossing Final Design – Contract Modification 3

Scope of Services

Erosion Protection Analysis

JE Fuller will make modifications to the current erosion protection design features to adequately mitigate expected scour associated with Oak Creek.

Onsite Drainage Analysis Revisions

JE Fuller will make modifications to rational method hydrologic calculations and minor hydraulic design calculations to reduce potential inundation of the path or undesirable drainage conditions during storm events. The design calculations will be performed for the 100-year event.

90% P, S, and E Construction Document Revisions

JE Fuller will revise CAD design drawings for the drainage related proposed improvements for the project based on changes to the pedestrian path design since the prior pre-90% plan. Revisions to drainage related specifications and the engineers estimate of probable construction cost will be conducted to bring the design back to the 90% level of completion and submittal to the City.

Drainage Design Report

JE Fuller will update the Drainage Design Report to reflect revised analysis in support of drainage related design modifications.

4c) Traffic - Signing and Marking Plans:

WSP will adjust the signing, marking, and lighting design based on the new path alignment and proposed landscaping design. Significant changes to the lighting design are anticipated as light fixture types, conduit, and power source will need to be evaluated based on the new landscaping and alignment. All signing and pavement marking will be shown on plan sheets with a horizontal scale of 1"=40'. No additional signing and marking on SR 179 that is not directly related to the pedestrian crossing will be completed as part of this scope. Revised Signing and Marking plans will be provided at the 90%. The lighting system design will limit exposure to inundation during weather events. Revised Lighting plan sheets with a horizontal scale of 1"=40' will be completed for the 90% submittal.

4d) Landscaping and Irrigation Plans (Corral Design Group (CDG)):

The scope of these services includes providing up to 2 additional concept proposals for the pedestrian crossing and revising the 90% drawings accordingly. The following outlines each activity and related requirements which have been estimated for this project:

Aesthetic Concepts and Coordination

During the conceptual design process, CDG will work in coordination with WSP and the City on wall rustication

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SR 179 at Oak Creek Pedestrian Crossing Final Design – Contract Modification 3

Scope of Services

treatments and safety handrail aesthetic concepts. CDG will provide one concept for the project incorporating context sensitive and historical elements that have been provided by the City and one concept that provides context sensitive elements reflective of the natural site features and conditions at this key location.

CDG will provide preliminary designs to WSP and City staff for review and comment. CDG will then incorporate the comments into the final design concepts. Once completed CDG will prepare a presentation document that depicts the 2 concepts in a format suitable for presentation by City staff to other City management groups and departments for approvals prior to moving forward with the final design.

It is the goal of the conceptual design that the 2 concepts developed will have minimal impact on the current engineering design so as to minimize any additional engineering requirements.

90% Submittal Documents

Upon approval of the conceptual designs and selection of a preferred alternative, CDG will revise the 90% documents to incorporate the new design elements as required. It is anticipated that only the architectural design sheets and details for this submittal will need to be revised. Project specifications will also be addressed and revised accordingly. CDG will also address any revisions to the Engineers estimate of probable costs with the referenced design submittal.

See the attached CDG scope of services for additional information.

4e) Structure/Wall Design:

WSP shall redevelop plans for the shift in pedestrian path that relocates the retaining walls to avoid existing trees and root systems. Wall design calculations will be updated to accommodate the revised walls and will include evaluations for the dry condition, submerged condition and drawdown loading conditions. The calculations will be rerun where walls exceed the 60% maximum wall height of 13'-0". Custom footings will be designed to reduce construction limits near the root systems. The plan and elevation sheets for Walls 1, 2, and 3 will be updated accordingly (Sheets S1 & S2 from 60%).

Details on the Masonry Wall Sheet, including plan, elevation and two typical sections will be revised for the reconstruction of the masonry wall, arch and associated foundations. The elements will be detailed to include an additional 2 foot 8 inches of height at the arch. Additional detailing, analysis and specification changes will be included to restrict removal of existing wall foundations that would negatively impact trees and root systems, including the existing arch foundation. Calculations will be performed for the masonry wall, arch sections, and proposed/existing foundation effects.

A Miscellaneous Details sheet will be added to the plan set to detail the overhang required at the Segment 1 path switchback. Details for conflicts between the new retaining wall and the existing bridge and wall

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SR 179 at Oak Creek Pedestrian Crossing Final Design – Contract Modification 3

Scope of Services

foundations will be included based on the wall realignment, where foundations overlap to prevent additional loading to the existing bridge owned by ADOT. A detail will be added to relocate the ADOT Utility Box and provide an overhang from the landing. Additional calculations will be performed to verify required overhang sections and for any miscellaneous details required at the existing conflicts. The structural design scope excludes the evaluation of the existing Oak Creek bridges and exposure of foundations.

Task 4 - Assumptions:

- It is assumed that path alignments for Segments 2 and 3 do not change from the previous 60% design concept.

Task 4 - Deliverables:

- Revised 90% Submittal

Task 5 - Special Provisions & Engineer's Opinion of Probable Construction Cost

Technical product specifications will be revised based on the new design concept and additional information and requirements received to date from stakeholders.

Task 10 - Project Management and Coordination

WSP will prepare meeting agendas and minutes to be distributed electronically. The agendas and minutes will be provided to the City Project Manager who will distribute to the project team, unless other guidance is provided by the City Project Manager. Meeting minutes will be sent within 10 business days. Agendas will be sent out 2 business days before the meeting.

Constructability reviews will be done by WSP construction administration staff on the revised 90% submittal. The purpose of the reviews is to assure the proposed design identifies potential construction conflicts/issues.

WSP shall coordinate with Artistic Arborist on modifying the pathway alignment to mitigate impacts to the sycamore trees. It is assumed that Artistic Arborist will provide specifications for construction activities that WSP will incorporate in the project specifications, as applicable.

The following meetings are anticipated to be held with the City:

- Project Progress Meetings (Monthly: Assume 2 meetings, attendance by 2 WSP staff)
- Miscellaneous Design Meetings (Assume 2 meetings, attendance by up to 2 WSP staff)
- Arborist Coordination Meetings (Assume 2 meetings, 1 field review, attendance by up to 2 WSP staff)

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SR 179 at Oak Creek Pedestrian Crossing Final Design – Contract Modification 3

Scope of Services

All meetings are assumed to be teleconference due to the current COVID-19 pandemic.

Task 10 - Deliverables

- Meeting agendas and notes
- Initial Schedule and updates
- Quality Control review on deliverables
- Monthly invoices

Project Schedule

Prior to commencing any design work, WSP's Project Manager and the City's Project Manager will meet to determine the project schedule. It is assumed the project schedule will be extended 4 months from this contract modification's NTP.

The following tentative schedule is proposed for the project:

Milestone	Schedule (Estimated)
NTP	March 2021
Aesthetic Concepts (2) for City Review	4 weeks after NTP
Revised 90% submittal (PS&E)	4 weeks after Aesthetic Concept Selection by City
100% Submittal (PS&E) (back check only)	4 weeks after 90% Comment Resolution Meeting
Sealed Submittal (PS&E)	2 weeks after 100% Review is completed by City PM

Project Deliverables

The following submittals will be made:

Revised 90% Submittal and Reports	1 pdf
100% Submittal and Reports (per original contract)	1 pdf
Sealed Submittal (per original contract)	1 pdf

Exclusions

The following items are excluded from this scope of services:

- Traffic Control/Maintenance of traffic design plans
- SWPPP
- Traffic Analysis and Reports

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SR 179 at Oak Creek Pedestrian Crossing Final Design – Contract Modification 3

Scope of Services

- ADA compliance Analysis and Reports
- 404 Permitting
- HEC-RAS 2D Hydraulic Model Analysis
- Items noted within description of tasks above.



DERIVATION OF COST PROPOSAL SUMMARY

ESTIMATED DIRECT LABOR

Classification	Manhours	Hourly Rate	Estimated Direct Labor
Project Principal	0	\$90.65	\$0
Project Manager	46	\$75.73	\$3,484
Resident Engineer	0	\$81.70	\$0
Senior Project Engineer	20	\$64.36	\$1,287
Project Engineer	156	\$51.01	\$7,958
Engineer	33	\$41.14	\$1,358
Designer	316	\$31.44	\$9,935
CADD Technician	76	\$39.12	\$2,973
Admin Support	0	\$39.24	\$0
TOTAL Hours	647		
Total Estimated Labor:			\$26,995
Negotiated Overhead @ 134.60%			\$36,335.27
Facilities Cost of Capital @ 0.40%			\$107.98
Sub-Total Direct Labor			\$63,438.25

ESTIMATED DIRECT EXPENSES

Outside reproduction	\$0	
Travel	\$0	
Total Estimated Expenses:		\$0

ESTIMATED OUTSIDE SERVICES AND CONSULTANTS

JE Fuller (Drainage)	\$ 13,292	
SWI (Survey/RW)	\$ -	
Cardno (Utility Designate)	\$ -	
CDG (Landscape and Irrigation)	\$ 28,050	
Total Estimated Outside Services Expense:		\$ 41,342.00
Total Estimated Cost to Consultant:		\$104,780.25
Net Fee (10% of Sub-Total Direct Labor)		\$6,333.03

CITY ALLOWANCE ITEMS

Allowance Total	\$ -	
ESTIMATED COST W/O ALLOWANCES :		\$111,113
TOTAL ESTIMATED COST W/ ALLOWANCES:		\$111,113



 Signature

1/26/2021

 Date

MAN HOURS BY TASK

	Project Principal	Project Manager	Resident Engineer	Senior Project Engineer	Project Engineer	Engineer	Designer	CADD Technician	Admin Support	
1 - Data Collection	0	0	0	0	0	0	0	0	0	0
2 - Survey, Base Mapping	0	0	0	0	0	0	0	0	0	0
3 - ROW	0	0	0	0	0	0	0	0	0	0
4 - 30%, 60%, 90% Final Design	0	2	0	12	44	7	174	76	0	315
5 - Specs and Estimate	0	12	0	4	8	0	0	0	0	24
6 - Geotech and Pavement	0	0	0	0	0	0	0	0	0	0
7 - Structures	0	0	0	4	46	0	142	0	0	192
8 - Utility Coordination	0	0	0	0	0	0	0	0	0	0
9 - Public Involvement	0	0	0	0	0	0	0	0	0	0
10 - Project Management	0	32	0	0	58	26	0	0	0	116
11-Environmental	0	0	0	0	0	0	0	0	0	0
12 - Bidding Assistance	0	0	0	0	0	0	0	0	0	0
	0	46	0	20	156	33	316	76	0	647

Task 4a - Roadway Design	Sh Cnt.	Project Principal	Project Manager	Resident Engineer	Senior Project Engineer	Project Engineer	Engineer	Designer	CADD Technician	Admin Support	Totals
90% Design Submittal											
Face Sheet	1										0
General Notes Sheet	2							2	2		4
Index Sheet	1										0
Quantity Summary Sheets	1							2	4		6
Typical Section Sheet	2				2			4	4		10
Geometric Control Sheet	1							2	2		4
Detail sheets	3				2		4	32	12		50
Pathway Plan and Profile Sheet	1				4	4		12	16		36
Demolition Sheet	1					2		8	8		18
Earthwork and Cross Sections	N/A				4			36			40
Roadway Quantities	N/A					4		24			28
Prepare CAD files for submittal to City	N/A										0
Prepare exhibits and technical content for meetings	N/A					8		12			20
3D Rendering technical coordination	N/A										0
Task 4a TOTALS			0	0	12	18	4	134	48	0	216

Task 4c - Traffic Design	Sh Cnt	Project Principal	Project Manager	Resident Engineer	Senior Project Engineer	Project Engineer	Engineer	Designer	CADD Technician	Admin Support	Totals
90% Design Submittals											
Pavement Marking and Signing Plans	2					2		8	8		18
Sign Summary Sheets	2					2		4	8		14
Quantities	N/A					2		8	4		14
Specification Development	N/A					8					8
Lighting Analysis	N/A		2			4		16			22
Lighting Plan Sheet	1					4		2	4		10
Lighting Detail Sheet	2					4		2	4		10
TASK 4c - TOTAL HOURS	5		2	0	0	26	0	40	28	0	96

Task - 4d Landscape and Irrigation (Contingency)	Sh Cnt.	Project Principal	Project Manager	Resident Engineer	Senior Project Engineer	Project Engineer	Engineer	Designer	CADD Technician	Admin Support	Totals
Review information by Sub for consistency							3				3
TASK 4d TOTAL		0	0	0	0	0	3	0	0	0	3

Task 5 - Special Provisions and Engr's Cost Estimate	Sh Cnt.	Project Principal	Project Manager	Resident Engineer	Senior Project Engineer	Project Engineer	Engineer	Designer	CADD Technician	Admin Support	Totals
60% Design Submittal											
- Preliminary special provisions											0
- Preliminary cost estimate											0
Total 60% Submittal			0	0	0	0	0	0	0	0	0
90% Design Submittal											
- Special provisions			8		4						12
- Cost estimate			4			8					12
Total 90% Submittal			12	0	4	8	0	0	0	0	24
100% (back check) Final Design Submittal											
- Special provisions											0
- Cost estimate											0
Total 100% Submittal			0	0	0	0	0	0	0	0	0
Sealed											
- Special provisions											0
- Cost estimate											0
Sealed Total			0	0	0	0	0	0	0	0	0
TASK 5 - TOTAL			0	12	0	4	8	0	0	0	24

Task 7 - Structures Design	Sh Cnt.	Project Principal	Project Manager	Resident Engineer	Senior Project Engineer	Project Engineer	Engineer	Designer	CADD Technician	Admin Support	Totals
Revised Alignment											
Retaining Wall Plan & Profile Sheet	2				1	12		20			33
Retaining Wall Updated Calculations	1					8		24			32
Overhang Calculations	1					6		14			20
Overhang Details	1				1	6		20			27
Masonry Wall/Arch & Foundation Calculations	1					4		22			26
Masonry Wall/Arch & Foundation Details	1				1	4		18			23
Wall Details	1				1	6		24			31
Task 7 TOTALS			0	0	4	46	0	142	0	0	192

Task 10 - Project Management	Sh Cnt.	Project Principal	Project Manager	Resident Engineer	Senior Project Engineer	Project Engineer	Engineer	Designer	CADD Technician	Admin Support	Totals
Project Meetings (2 Progress Meetings), agendas, attendance and Notes Total 2 meetings			2			4					6
Miscellaneous Design Meetings (2), Total 2 meetings			2			4					6
Constructability reviews						2	2				4
Coordination with subs			12			24	16				52
Submit Invoices and review subs invoices and progress reports			4								4
Project Quality Control review by independent reviewer per submittal						8	8				16
Coordination with ADOT for Permit			4								4
Coordination with Tlaq. Arboist			8			16					24
TASK 10 - TOTAL		0	32	0	0	58	26	0	0	0	116

DIRECT EXPENSES

WSP USA Inc.			
City of Sedona - SR 170 TQ Ped Crossing			
Item	No.	Unit cost	Cost
Outside Reproduction			
Mounting Boards for Public Meetings	0	\$25.00	\$0
Submittal Printing - all submittals to be pdf	0	\$0.15	\$0
Bond full size - exhibit roll plots	0	\$5.70	\$0
SUBTOTAL			\$0
Sedona All In-person Meetings (10 mtgs @ 248 miles per round trip)			
Miscellaneous Field Visits (3 visits @ 248 miles per visit)	0	\$0.445	\$0
Public Involvement Meeting (2 mtgs @ 248 miles per round trip)			
SUBTOTAL			\$0
Total Directs			\$0



January 22, 2021

Stephen Doubek, PE
Traffic Engineer
WSP USA
1230 West Washington Street, Suite 405
Tempe, AZ 85281

RE: SR 179 Oak Creek Pedestrian Crossing – Final Design Scope of Services Contract Modification 1

Dear Stephen:

Per your request, JE Fuller (JEF) is pleased to submit this proposal for professional engineering services for additional services required for the Final Design of the SR 179 Oak Creek Pedestrian Crossing (OCPC). The anticipated additional scope of services for this project includes drainage related tasks for the crossing that were not anticipated in the original contract dated October 14th, 2019. JEF had finished internal QA/QC for the 90% P, S, and E deliverable as of September 8, 2020 under the original contract when the Stop Work order was given. The tasks outlined below include additional services related to drainage design for the pedestrian crossing to assist the WSP design team with advancing the new design concept to a 90% submittal. Services that are a part of the original contract will be rendered without additional compensation.

Given the fact that the latest location of the switch back for the OCPC is encroaching significantly further into the active conveyance channel of Oak Creek, JEF recommended that a HEC-RAS 2-Dimensional hydraulic model be developed. The 2-Dimensional model results could be used to evaluate more accurately the hydraulic and erosion impacts that the encroachment would have on Oak Creek and to confirm that no adverse impacts would occur to the existing SR 179 Bridge and the existing parallel Pedestrian/Utility Bridge. It is understood that the City has budget limitations and did not want to undertake this analysis. Therefore, we will do our best to model the encroachment and other proposed features accurately in the 1-D HEC-RAS model. However, we cannot guarantee that the model will show no adverse impact to the hydraulics through the bridge section even with the compensatory conveyance channel.

Task 1 Project Management & Coordination – JE Fuller will attend up to three (3) additional project meetings with City Staff, ADOT, and/or Tlaquepaque representatives. JE Fuller will attend up to three (3) additional meetings with WSP for design coordination. Given the current COVID-19 pandemic, it is assumed all meetings will be virtual. The Consultant will conduct regular communications via phone calls and email.

Task 2 Erosion Protection Analysis and Design Modifications – JE Fuller will make modifications to the current erosion protection design features to adequately mitigate expected scour associated with Oak Creek.

Task 3 Onsite Drainage Analysis Revisions – JE Fuller will make modifications to rational method hydrologic calculations and minor hydraulic design calculations to reduce potential inundation of the path or undesirable drainage conditions during storm events. The design calculations will be performed for the 100-year storm event.

Task 4 90% P, S, and E Construction Document Revisions – JEF will revise CAD design drawings for the drainage related proposed improvements for the project based on changes to the pedestrian path design since the prior pre-90% plan. Revisions to drainage related specifications and the engineers estimate of probable construction cost will be conducted to bring the design back to the 90% level of completion and submittal to the City.

Task 5 Drainage Design Report – JEF will make revisions to the Drainage Design Report to reflect revised analysis in support of drainage related design modifications.

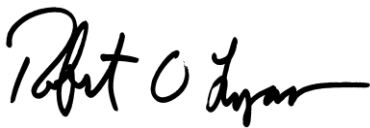
Items not included in this Scope of Services - The following services are not included in this scope of work but can be added for additional fee:

- Any items not discussed in Tasks outlined above
- HEC-RAS 2-Dimensional Modeling

Our estimated fee to complete this work is Not to Exceed \$13,292 to be invoiced on a T&M basis according to the attached fee tables.

Sincerely,

JE Fuller/Hydrology & Geomorphology, Inc.



Rob Lyons, P.E., CFM, Vice President

FEE PROPOSAL - TABLE A
CONSULTANT/SUBCONSULTANT COST PROPOSAL SUMMARY

CONSULTANT/SUBCONSULTANT: **JE Fuller**

PROJECT NAME: SR 179 Oak Creek Pedestrian Crossing - Contract Modification 1 for Final

PROJECT NO.: N/A

TRACS NO.: N/A

CHANGE ORDER NO.: N/A

LABOR:

Classifications	Manhours	Hourly Rates	Labor Costs
Senior Engineer	2	\$160.00	\$320.00
Project Manager	34	\$148.00	\$5,032.00
Project Engineer III	0	\$135.00	\$0.00
Project Engineer II	24	\$125.00	\$3,000.00
Project Engineer I	0	\$110.00	\$0.00
Hydro Tech II	0	\$90.00	\$0.00
EIT/CADD	52	\$95.00	\$4,940.00
Admin	0	\$105.00	\$0.00

Total Labor **112**

Total Labor **\$13,292.00**

DIRECT AND OUTSIDE EXPENSES

Transportation / Travel	0 Miles @	\$0.580	\$0.00
Agency Review Fees			\$0.00

Total Direct and Outside Expenses **\$0.00**

Total Labor and Expenses **\$13,292.00**

SUBCONSULTANTS

<u>Name</u>	<u>Cost</u>
	\$0.00

Total Subconsultant(s) **\$0.00**

TOTAL PROPOSED FEE **\$13,292.00**



December 18, 2020

Stephen Doubek, PE
Supervising Traffic Engineer
WSP USA
350 W Washington, Street, Suite 300
Tempe, Az 85281

Subject: **SR 179 at Tlaquepaque Pedestrian Crossing
Request for Contract Modification #1**

Dear Mr. Doubek:

As discussed, attached is CDG request for contract modification #1 for preparing additional design concepts and our revised 90% submittal documents for the referenced project. We respectfully submit our fee proposal to perform the additional landscape architectural design services. Attached and enclosed with this letter are the following:

- Scope of Work and Justification
- Derivation of Costs
- Manhour Estimate
- Other Direct Costs Breakdown

We hope that you will find this information complete. Please call me directly at 602-222-9822 should you have any questions or require additional information. Thanks again and we look forward to working with you.

Sincerely,

Edward Corral, PLA
President

Cc: file

December 18, 2020

**SR 179 at Tlaquepaque Pedestrian Crossing
Landscape Architectural Services**

**Corral Design Group, Inc. (CDG)
Scope of Work**

Request for Contract Modification # 1

As requested by WSP, CDG is providing the attached scope for additional design services for the referenced project. The scope of these services includes attending a design charrette with the design team and City of Sedona to revise and focus the final aesthetic design concept, and develop 90% and final construction plans.

The following outlines each activity and related requirements which have been estimated for this project:

Management, Design Review and Coordination Meetings:

Hours are allocated for attending design progress and/or comment review meetings. CDG will attend virtual design charrette with the design team and City of Sedona to discuss and identify the final design concept moving forward. Two internal design meetings are scoped to coordinate and finalize the ultimate concept. One additional external meeting is proposed to review 90% design plan comments with WSP and City of Sedona staff.

Base Files and Mapping:

WSP will continue to supply all required base maps, and any revisions that may affect the new concept layouts proposed.

Final Aesthetic Concept Charrette and Coordination:

CDG will work in coordination with WSP and the City on final aesthetic concepts. One final concept will be prepared incorporating context sensitive and historical elements as determined during the design charrette with the City and WSP. CDG will take the information gathered in the meeting to develop a design plan and elevation reflecting the desired aesthetic treatments for review and comment by WSP and the City of Sedona.

90% Submittal Documents:

Upon approval of the conceptual design alternative, CDG will revise the 90% documents to incorporate the new design elements as required. It is anticipated that only the architectural design sheets and details for this submittal will need to be revised. Project specifications will also be addressed and revised accordingly. CDG will also address any revisions to the Engineers estimate of probable costs with the referenced design submittal.

Quality Control

CDG has included time to prepare and implement our quality control plan.

CORRAL DESIGN GROUP, INC.
Landscape Architectural Services
SR 179 at Tlaquepaque Pedestrian Crossing
December 18, 2020

Contract No.: _____
 CDG Project No.: 2019-263

Contract Modification #1

DERIVATION OF COST PROPOSAL

SUMMARY

(Round Figures to the nearest \$1)

ESTIMATED DIRECT LABOR

<u>Classification</u>	<u>Estimated Hours</u>	<u>Hourly Rate</u>	<u>Labor Costs</u>
Project Manager	19	\$155.84	\$2,961
Senior Landscape Architect	58	\$108.08	\$6,269
Landscape Designer	124	\$87.87	\$10,896
Cadd Technician	102	\$75.40	\$7,691
Administrative	2	\$60.32	\$121
Total Hours:	<u>305</u>		<u>27,938</u>

Total Estimated Labor: \$27,938
 Sub-Total: \$27,938

OTHER DIRECT COSTS

(Listed by Item at Estimated Actual Cost - NO MARKUP)

Travel	\$112.20
Outside Reproduction	\$0.00

Total Estimated Other Direct Costs: \$112.20

ESTIMATED OUTSIDE SERVICES AND CONSULTANTS

(Listed by Firm or Name at Estimated Cost to you - NO MARKUP)

<u>Firm</u>	<u>Hours</u>	<u>Cost</u>	<u>Method of Compensation</u> <u>(Spec.Rate; L.S, CPFF, FR)</u>
	0	\$0	L.S.

Total Estimated Outside Services: \$0

TOTAL ESTIMATED LUMP SUM COST: \$28,050



Edward C. Corral
 Project Manager

12/18/2020
 Date

Contract Modification #1

December 18, 2020

ESTIMATED HOURS

TASK DESCRIPTION	Sheets	Hours Per Sheet	Project Manager	SR Landscape Architect	Landscape Designer	Cadd Technician	Administrative	TOTAL
			\$155.84	\$108.08	\$87.87	\$75.40	\$60.32	
1. Project Management	0		8	-	-	-	2	10
2. Project Meetings (includes design charette)	0		2	2	-	-	-	4
3. Develop Preliminary Wall Rustication Concepts and Coordination with WSP/City Staff			6	24	60	48	-	138
4. Prepare Revised 90% Construction Documents	8		2	28	60	54	-	144
5. Quality Control			1	4	4	-	-	9
TOTAL	8	38	19	58	124	102	2	305

CORRAL DESIGN GROUP, INC.
 Landscape Architectural Services
 SR 179 at Tlaquepaque Pedestrian Crossing

Contract No.: _____
 CDG Project No.: 2019-263
 0 0

Contract Modification #1

December 18, 2020

OTHER DIRECT COSTS BREAKDOWN

Travel (Personal Vehicle)
 Miles to Meetings

1	1	trips	204	miles/trip		
	204	total miles @	0.550	per mile =	\$	112.20
				Sub-total Travel:		\$ 112.20

TOTAL OTHER DIRECT COSTS \$ 112.20