June, 2019
NVTA Board of Directors
Special Meeting Handouts

1. **Draft Caltrans Report June 2019**

2. **Revised Agenda Letter – Item 10.1 Project Work Order No. E-13 to NVTA Agreement No. 18-23 with RSA+, Inc. for Work Associated with the Professional Engineering Design, Environmental & Construction Document Services for the Napa Valley Vine Trail–Calistoga to St. Helena Segment**

PROJECT INITIATION REPORT

EA 4J820 (Completed 9/24/18)
Tulucay Creek Bridge Replacement; NAPA 121 PM 5.9 in City of Napa
Scope: Bridge Replacement

EA 0J890
5-Way Intersection; NAPA 121-PM 7.3 in City of Napa
Scope: Intersection Improvement

EA 0Q690
Storm Damage; NAPA 12 PM 2.1/2.6 in County of Napa
Scope: Construct Rock Slope Protection (RSP) to prevent further slope washout and pavement repair

EA 0Q820
Storm Damage; NAPA 29 PM 12.2 in City of Napa
Scope: Culvert repair and grout injection at slipout

EA 0Q830
Storm Damage; NAPA 29 PM 46.1 in County of Napa
Scope: Construct CIDH segmented pile wall at slipout

EA 0Q790
Storm Damage; NAPA 121 PM 13.4/20.7 in County of Napa
Scope: Construct RSP at five slipout locations.

EA 0Q810
Storm Damage; NAPA 121 PM 16.1 in County of Napa
Scope: Construct Reconstruct embankment with lightweight fill.

EA 1Q620
Pavement Preservation; NAPA 121 PM 4.5/10.7 in City of Napa
Scope: Pavement repair
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EA 2Q610
Pavement Rehab; NAPA 29 PM 7.3/13.5 in County of Napa
Scope: Pavement rehabilitation.

EA 2A510
Pavement Rehab; NAPA 29 PM 42.1/48.6 in County of Napa
Scope: Pavement rehabilitation

EA 0P730 (Completed 9/17/18)
Advance Mitigation; NAPA 29 PM 15.6/22.8 in County of Napa
Scope: Mitigation Purchase under Roadside Protection and Restoration Program

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PIR (Project Initiation Report) **PSR** (Project Study Report) **DED** (Draft Environmental Document)
PAED (Project Approval/ Environmental Document) **PSE** (Plans, Specifications, and Estimate)
RWC (Right of Way Certification) **RTL** (Ready to List) **CCA** (Construction Contract Acceptance)
ADV (Advertise Contract) **BO** (Bid Open) **AWD** (Award Contract)

ENVIRONMENTAL

EA 0J760 /2Q260
Napa Valley Vine Trail; NAPA 29-PM 33.4/37.9 in County of Napa
Scope: Construct Class 1 Multiuse Path
Cost Estimate: $6.1M Construction Capital
Schedule: **PAED:** 11/2020 **PS&E:** 9/2020 **RWC:** 1/2021 **RTL:** 1/2021

EA 2K420
Storm Damage; NAPA 128 PM 9.2 in County of Napa
Scope: Construct RSP to prevent further slope washout.
Cost Estimate: $0.8M Construction Capital
Schedule: **PAED:** 4/12/19 **PS&E:** 6/2020 **RWC:** 7/2020 **RTL:** 8/2020

EA 4J830
Hopper Slough Creek; NAPA 128 PM 5.1 in County of Napa
Scope: Bridge Replacement
Cost Estimate: $7.9M Construction Capital
Schedule: **DED:** 4/2020 **PAED:** 10/2020 **PS&E:** 4/2022 **RWC:** 4/2022 **RTL:** 5/2022

EA 0K000
ADA Compliance; NAPA 29 PM 0.0/14.6 in County of Napa
Scope: Upgrade Pedestrian Facilities
Cost Estimate: $1.0M Construction Capital
Schedule: **PAED:** 7/2019 **PS&E:** 1/2021 **RWC:** 1/2021 **RTL:** 3/2021

EA 0K630
Bridge Rails; NAPA 29 PM 14.1/19.04 in County of Napa
Scope: Upgrade / Replace Bridge Rails
Cost Estimate: $7.1M Construction Capital
Schedule: **DED:**4/2020 **PAED:** 10/2020 **PS&E:** 3/2022 **RWC:** 4/2022 **RTL:** 6/2022

EA 2K150
Bridge Rails; NAPA 29 PM 28.43/29.3 in County of Napa
Scope: Upgrade / Replace Bridge Rails at Sulphur and York Creeks in St. Helena
Cost Estimate: $4.2M Construction Capital
Schedule: **DED:**9/2020 **PAED:** 3/2021 **PS&E:** 5/2022 **RWC:** 4/2023 **RTL:** 4/2023

EA 4J990
Storm Water Quality Improvement; NAPA 29 PM 32.0/33.0 in County of Napa
Scope: Improve water quality and fish passage
Cost Estimate: $7.6M Construction Capital
Schedule: **DED:** 7/2020 **PAED:** 12/2020 **PS&E:** 5/2022 **RWC:** 5/2022 **RTL:** 6/2022

EA 2K810
Anti-Vandalism Measure; NAPA 29 121-PM 11.0/R21.0 in County of Napa
Scope: Replace Fencing
Cost Estimate: $3.1M Construction Capital
Schedule: **PAED:** 6/2020 **PS&E:** 12/2021 **RWC:** 1/2022 **RTL:** 4/2022

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EA 4J300
Pavement Preservation; NAPA 29-PM 29.3/36.9From York Creek Bridge to Junction Route 128 in Calistoga
Scope: Roadway/ Pavement preservation (CAPM)
Cost Estimate: $9.7M Construction Capital
Schedule: **PAED:** 10/2019 **PS&E:** 8/2020 **RWC:** 10/2020 **RTL:** 11/2020

EA 4J410
Drainage Improvement; NAPA 29 PM 1.7/5.1 in City of American Canyon
Scope: Rehabilitate Culverts
Cost Estimate: $3.3M Construction Capital
Schedule: **PAED:** 11/2019 **PSE:** 12/2021 **RWC:** 5/2022 **RTL:** 06/2022

EA 28120
Soscol Junction Improvement; NAPA 29 PM 5.0/7.1 and NAPA 221 PM 0.0/0.7 in County of Napa
Scope: Construct New Interchange at SR 221/29/12
Cost Estimate: $22M Construction Capital
Schedule: **Supplemental DED:** 9/2019 **PAED:** 1/2020 **PSE:** 12/2021 **RWC:** 12/2021 **RTL:** 03/2022

DESIGN

EA 4J210
Capell Creek Bridge #21-0064; NAPA 121-PM 18.59 in County of Napa
Scope: Sub-structure rehabilitation and bridge scour mitigation
Cost Estimate: $1.4M Construction Capital
Schedule: **PAED:** 9/20/18 **PSE:** 2/2020 **RWC:** 3/2020 **RTL:** 4/2020 **CCA:** 12/2021

EA 4G21A
Env. Mitigation at Huichica Creek; NAPA 121-PM 0.75 in County of Napa
Scope: Environmental mitigation, monitoring and report at Huichica Creek
Cost Estimate: $1.0M Construction Capital
Schedule: **PAED:** 4/9/18 **PSE:** 4/2022 **RWC**: 6/2022 **RTL:** 6/2022 **CCA:** 12/2033

EA 3G64A
Env. Mitigation & Plant Establishment at Napa River Bridge; NAPA 29 PM 37.0 in City of Calistoga
Scope: Environmental mitigation at Napa River Bridge
Cost Estimate: $0.5M Construction Capital
Schedule: **PAED:** 2/9/15 **PS&E:** 5/9/19 **RWC**: 5/10/19 **RTL**: 5/29/19 **CCA:** 12/2024

EA 4G210
Widen Roadway at Huichica Creek; NAPA 121-PM 0.75 in County of Napa
Scope: Remove existing triple box culverts and replace with a new single span bridge
Cost Estimate: $8.7M Construction Capital
Schedule: **PAED:** 4/9/18 **PS&E:** 8/2019 **RWC:** 10/2019 **RTL:** 10/2019 **CCA:** 12/2021

EA 2J88U
Garnett Creek, Garnett Branch and No-Name Creek: NAPA 29-PM 39.0 & 43.8 in County of Napa
Scope: Sub-structure rehabilitation and bridge scour mitigation
Cost Estimate: $3.9M Construction Capital
Schedule: **PAED:** 2/1/19 **PSE:** 10/2020 **RWC:** 11/2020 **RTL:** 12/2020 **CCA: 12/2021**

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CONSTRUCTION

EA 1G430
Conn Creek Bridge Scour Mitigation; NAPA 128 PM R7.4 on Silverado Trail in County of Napa
Scope: Replace Bridge at Conn Creek
Cost Estimate: $7.1M Construction Capital
Schedule: PAED: 10/5/15 **RTL:** 6/29/18 **AWD:**3/29/19 (Ghilotti Construction) **CCA:** 12/2020

EA 2J100
Construct Roundabouts; NAPA 29-PM 11.36 in City of Napa
Scope: Cooperative Project to construct a roundabout at northbound First St. Interchange.
Cost Estimate: $3.8M Construction Capital
Schedule: PAED: 7/18/16 **RTL:** 5/4/18 **AWD:**2/27/19 (O.C. Jones & Sons, Inc) **CCA:** 12/2020

EA 4G840
Capell Creek Bridge; NAPA 128-PM 20.2 in County of Napa
Scope: Bridge Replacement
Cost Estimate: $12.1M Construction Capital
Schedule: PAED: 6/16/16 **RTL:** 6/29/18 **AWD:** 11/5/18 (Gordon Ball Inc.) **CCA:** 12/2022

EA 4G920
Tulucay Creek Bridge Repair; NAPA 121-PM 6.1/6.2 in City of Napa
Scope: Bridge Repair
Cost Estimate: $2.2M Construction Capital
Schedule: PAED: 10/19/16 **RTL:** 4/12/18 **AWD:** 9/20/18 (American Civil Const.) **CCA:** 12/2019

EA 2J570
Storm Damage; NAPA 121-PM 20.06 in County of Napa
Scope: Culvert and erosion repair
Cost Estimate: $1.8M Construction Capital
Schedule: PAED: 7/24/17 **RTL:** 06/29/18 **AWD:** 11/19/18 (Granite Rock Company) **CCA:** 7/2020

ACTION ITEMS:

PIR (Project Initiation Report) **PSR** (Project Study Report) **DED** (Draft Environmental Document)
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June 12, 2019
NVTA Agenda Item 10.1
Continued From: New
Action Requested: APPROVE

NAPA VALLEY TRANSPORTATION AUTHORITY
Board Agenda Letter *Errata*

TO: NVTA Board of Directors

FROM: Kate Miller, Executive Director

REPORT BY: Sanjay Mishra, Program Manager-Engineer
(707) 259-5951 / Email: smishra@nvta.ca.gov

SUBJECT: Project Work Order No. E-13 to NVTA Agreement No. 18-23 with RSA+, Inc. for Work Associated with the Professional Engineering Design, Environmental & Construction Document Services for the Napa Valley Vine Trail–Calistoga to St. Helena Segment

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RECOMMENDATION

That the Napa Valley Transportation Authority (NVTA) Board direct the Executive Director, or designee, pending legal review, to pursue one of the following options below:

1. NVTA Staff's recommendation is to execute and make minor modification to Work Authorization No. E-13 (Attachment 1) to NVTA Agreement No. 18-23 with RSA+ for professional engineering services to complete environmental process, ~~only~~ complete 65% design and defer a major portion of the geotechnical investigation to a later phase as part of the final design for the Vine Trail between Calistoga to St. Helena segment for an amount no to exceed $650,000~~ and to release a separate request for proposals (RFP) for final design.~~. This reduced scope of work is expected to be completed by April 2020. NVTA will release a separate request for proposals (RFP) to complete the final design early 2020.

OTHER OPTIONS FOR CONSIDERATION

2. Release another request for proposals (RFP) to procure a design consultant to complete the environmental document and final design by advertising publicly, with details of engineering estimate, available budget and time constraints specifically listed in the RFP; or

3. Execute and make minor modifications to Work Authorization No. E-13 (Attachment 1) to NVTA Agreement No. 18-23 with RSA+ for professional engineering services to complete ~~only environmental services~~a reduced scope of work than originally requested in the RFP i.e. complete the environmental process, complete 65% design and defer major portion of the geotechnical investigation to

a later phase/final design for the Vine Trail between Calistoga to St. Helena segment for an amount not to exceed $650,000 and defer project completion to a future date, relinquishing the Active Transportation Program (ATP) funds back to the California Transportation Commissioner (CTC) ; or

4. Terminate all further efforts on the Calistoga to St. Helena Vine Trail project until a future date when adequate funding is identified and relinquish the ATP construction funds back to the California Transportation Commission (CTC).

STRATEGIC GOALS MET BY THIS PROJECT

The proposed action meets following goals:

Goal 1 - Serve the transportation needs of the entire community regardless of age, income, or ability.

Goal 2 - Improve system safety in order to support all modes and serve all users.

COMMITTEE RECOMMENDATION

None

EXECUTIVE SUMMARY

The professional engineering design, environmental and construction document services for the Vine Trail –Calistoga to St. Helena Request for Proposals (RFP) No. 2019-03 was released on April 29, 2019 to NVTA's on-call planning and architectural and engineering firms. The RFP's Scope of Work entails engineering design services, environmental determination and construction document services to complete the plans, specifications and estimates (PS&E) for Vine Trail between Calistoga to St. Helena.

The RFP was open for 30 days until May 30, 2019 and one proposal was received. An evaluation committee comprised of NVTA, City of Calistoga, City of St. Helena, Caltrans and County of Napa staff reviewed the proposal. Approximately $750,000, consistent with the NVTA's estimate, is available to complete these two phases. The initial bid from RSA+ was roughly $2.5 million and staff negotiated the bid to $1.5 million, which would include completing some of the tasks in house. Board approval will allow NVTA to proceed with one of the options listed in this staff report.

The critical path for the project is to prevent schedule slippage. To best position the project for CTC allocation by February 2021 there cannot be any further delays in completing the environmental phase.

Staff is recommending Option 1, which is to award the contract to RSA+ for completion of environmental ~~work **only**~~process, complete 65% design and defer a major portion of geotechnical investigation to a later phase/final design -for a total amount not to exceed

$650,000. This work is fully funded through Napa Valley Vine Trail Coalition contributions and the local jurisdictions' project match. The local jurisdictions would have to commit to advance a portion of their local contributions from the construction to preconstruction phase. In addition, NVTA would release a separate RFP for 100% design. This allows the project to continue forward, keeping it on its critical timeline, and provides additional time for staff to identify revenues to gap the funding shortfall for the design and construction phases.

PROCEDURAL REQUIREMENTS

1. Staff Report
2. Public Comments
3. Motion, Second, Discussion and Vote

FISCAL IMPACT

Is there a Fiscal Impact? Yes- Option 1 and 3: $650,000

Is it currently budgeted? Partially

Where is it budgeted? Private and Jurisdictions-Design/ROW: $800,000
ATP funds – Construction Phase only: $6,100,000

Future fiscal impact? Undetermined. NVTA currently has enough funding for environmental work and does not have dedicated funding for 100% design. NVTA staff will need to negotiate changes to project funding agreements with the jurisdictions to fund the 100% design cost.

Consequences if not approved: The project would not move forward and ATP grant funding committed to the project for construction will be lost.

CEQA REQUIREMENTS

ENVIRONMENTAL DETERMINATION: The proposed project will be completing a NEPA and CEQA determination as part of the scope for this RFP.

BACKGROUND AND DISCUSSION

Napa Valley Vine Trail is envisioned as a 47-mile Class 1 mixed-use path for pedestrians and cyclists that will run the length of the Napa Valley (Calistoga to American Canyon) and connect to the Vallejo ferry terminal in Vallejo, providing a crucial link to the City of San Francisco and larger Bay Area. This task order proposed is to construct a bike and pedestrian trail adjacent to the State Route (SR) 29 corridor which will encourage bicyclists and pedestrians to take alternative modes of transportation. This project will enhance the accessibility and connectivity of the community in surrounding neighborhoods and will eventually complete all segments of the 47-mile Vine Trail planned for this region. Up Valley areas currently lack significant alternative

transportation and recreational infrastructure and these improvements will promote using transit, biking and walking.

The project has broad based community support from a coalition representing over 20 private and public sector organizations, all involved in its planning, design and funding. Initial project funding for the "Calistoga to Saint Helena Segment" has been established from federal, state, local and private (philanthropic) sources.
The Calistoga to St Helena Segment project will construct a 9.4 mile Class I bicycle/pedestrian path within the public right of way from the intersection of Fair Way and Lincoln Avenue in Calistoga on the northern end to Pratt Ave in St. Helena along State Route 29. The segment of this trail from Fair Way and Lincoln Ave to Dunaweal Lane is already 100% designed and has CEQA and NEPA clearances.

NVTA, in partnership with Napa Valley Vine Trail Coalition (NVVTC), a non-profit organization, are in the process of completing a 35% design for the rest of the project from Dunaweal Lane in Napa County to Pratt Avenue (approximately 7.4 miles). This 35% design will establish the trail alignment, the scope for environmental clearance and the right of way needs which will be the basis of professional engineering services requested in this RFP.

Most of the path will be located in the public right of way and runs parallel to State Highway 29 on property belonging to or controlled by Caltrans and the State of California (State Parks and CalFire) which support this project. Portions of the trail will be built on easements provided by adjacent private agricultural properties. Owners of these properties are in the process of entering into an agreement with the County of Napa to provide the easements necessary to accommodate a Class I bike and pedestrian pathway which the County of Napa will hold and maintain.

Depending on the final alignment there will be two or three creek crossings, each of which can be accomplished via clear spans that will not impact the creek channels. The path shall be designed per local, state and federal requirements. In general, the path will be 10ft wide asphalt concrete pavement, shoulders and will include highway safety improvements.

The engineer's estimate of $750,000 for the Plans, Specifications and Estimates (PS&E) work was based on balance work and current design costs of similar projects i.e. Vine Trail project for the Oak Knoll section and other trail projects awarded recently. However, the project scope is somewhat different and the bid market has changed significantly since the Oak Knoll section of the trail was completed.

SUPPORTING DOCUMENTS

Attachment: (1) Draft Project Work Order No. E-13
(2) Conceptual Drawings