

**July 20, 2022
NVTB Board of Directors
Meeting Handouts**

- 1. Draft Caltrans Report July 2022**
- 2. Item 8.4 Imola Park and Ride Electrification Cover Errata Memo**

PROJECT INITIATION REPORT

EA 4AC80 (Completed in June 2021)

Pavement Rehab; NAPA 29 PM 0.0/7.0 in American Canyon & County of Napa

Scope: Pavement rehabilitation

EA 4AC90 (Completed in June 2021)

Safety; Various Locations in County of Napa

Scope: Install/ Upgrade Horizontal Alignment Warning Signs

EA 4Q010

PSR/PDS: NAPA 29 PM 0.6/R2.5 in City of American Canyon

Scope: Multi-Modal Corridor Improvements

EA 2Q510

Pavement Rehab; NAPA 29 PM 42.1/48.6 in County of Napa

Scope: Pavement rehabilitation

EA 0Q800

Major Damage ; NAPA 121 PM 6.9/12.1 in County of Napa

Scope: Permanent Restoration; Inject grout at sinkhole and install drainage

EA 2W370

Major Damage ; NAPA 29 PM 42.57 in County of Napa

Scope: Replace failed netting with new netting, remove debris, and install additional erosion control.

ENVIRONMENTAL

EA 4AA30

Storm Damage; NAPA 128 PM 12.5 in County of Napa

Scope: Storm Damage Restoration – Install Soil Nail Wall

Cost Estimate: \$5.3 M Construction Capital

Schedule: PAED: 10/2024 PS&E: 11/2025 RWC: 12/2025 RTL: 01/2026

EA 0Q830

Storm Damage; NAPA 29 PM 46.1 in County of Napa

Scope: Construct CIDH segmented pile wall at slipout

Cost Estimate: \$1.3M Construction Capital

Schedule: DED: 12/2021 PAED: 04/2022 PS&E: 08/2023 RWC:10/2023 RTL: 11/2023

EA 1Q620 Pavement Rehab; NAPA 121 PM 4.47/10.7 in City of Napa

Scope: Pavement repair.

Cost Estimate: \$23.9M Construction Capital

Schedule: PAED: 06/2022 PS&E: 6/2023 RWC: 7/2023 RTL: 8/2023

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PAED (Project Approval/ Environmental Document)

RWC (Right of Way Certification)

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EA 4J820

Tulucay Creek Bridge Replacement; NAPA 121 PM 5.9 in City of Napa

Scope: Bridge Replacement

Cost Estimate: \$15.6M Construction Capital

Schedule: DED: 06/2022 PAED: 12/2022 PS&E: 04/2024 RWC: 05/2024 RTL: 05/2024

EA 0J890

5-Way Intersection; NAPA 121-PM 7.3 in City of Napa

Scope: Intersection Improvement

Cost Estimate: \$7.4M Construction Capital (\$1.9M SHOPP Contribution)

Schedule: On-hold until securing additional local funds and completing a coop agreement.

EA 0Q790

Storm Damage; NAPA 121 PM 13.37/20.73 (5 locations) in County of Napa

Scope: Construct RSP at five slipout locations.

Cost Estimate: \$4.3M Construction Capital

Schedule: PAED: 11/2022 PS&E: 03/2024 RWC: 05/2024 RTL: 06/2024

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: 03/18/2022 PAED: 06/2022 PS&E: 03/2024 RWC: 04/2024 RTL: 05/2024

DESIGN

EA 3Q760

Rumble Strips; NAPA 29, 121 & 128 Various Locations in County of Napa

Scope: Construct rumble strips at seven locations.

Cost Estimate: \$3.3M Construction Capital

Schedule: PAED: 12/31/2021 PS&E: 10/2022 RWC: 10/2022 RTL: 11/2022

EA 0Q820

Storm Damage; NAPA 29 PM 11.6/13.0 in City of Napa

Scope: Repair Culvert and stabilize the roadway.

Cost Estimate: \$13.4M Construction Capital

Schedule: PAED: 09/10/2021 PS&E: 8/2023 RWC: 11/2023 RTL: 11/2023 CCA: 10/2025

EA 2Q610

Pavement Rehab; NAPA 29 PM R7.3/13.5 in County of Napa

Scope: Pavement rehabilitation.

Cost Estimate: \$23.3M Construction Capital

Schedule: PAED: 04/2022 PS&E: 11/2023 RWC: 02/2024 RTL: 03/2024

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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

Cost Estimate: \$1.2M Construction Capital

Schedule: PAED: 12/1/20 PS&E: 06/2022 RWC: 06/2022 RTL: 06/2022 CCA: 12/2024

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: 2/4/20 PSE: 11/2021 RWC: 8/2022 RTL: 9/2022 CCA: 09/2026

EA 4Q000

Construction of Class I Bicycle and Pedestrian under crossing; NAPA 29-PM 11.7 in County of Napa

Scope: Construction of Class I Bicycle and Pedestrian facility beneath SR-29;

Cost Estimate: \$1,261K Construction Capital

Schedule: PAED: 06/2/15 PSE: 06/2022 RWC: 06/2022 RTL: 06/2022 CCA: 12/2022

EA 0K630

Bridge Rails; NAPA 29 PM 16.48/19.04 in County of Napa

Scope: Upgrade / Replace Bridge Rails

Cost Estimate: \$7.1M Construction Capital

Schedule: PAED: 10/22/20 PS&E: 7/2022 RWC: 10/2022 RTL: 12/2022 CCA: 12/2024

EA 2J88U

Garnett Creek, Garnett Branch and No-Name Creek: NAPA 29-PM 38.9 / 42.9 in County of Napa

Scope: Sub-structure rehabilitation and 3 bridges scour mitigation

Cost Estimate: \$5.26M Construction Capital

Schedule: PAED: 2/1/19 PSE: 10/2022 RWC: 11/2022 RTL: 12/2022 CCA: 02/2024

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 PS&E: 03/2023 RWC: 04/2023 RTL: 05/2023 CCA: 12/2028

EA 1G43A

Env. Mitigation at Conn Creek; NAPA 128 PM R7.4 on Silverado Trail in County of Napa

Scope: Environmental mitigation, monitoring and report at Conn Creek

Cost Estimate: \$0.2M Construction Capital

Schedule: PAED: 10/5/15 PS&E: 6/28/21 RWC: 08/10/2021 RTL: 08/23/2021 CCA: 12/2023

EA 4G84A

Capell Creek Bridge Env Mitigation; NAPA 128-PM 20.2 in County of Napa

Scope: Environmental Permit Mitigation & Plant Establishment to Bridge Replacement

Cost Estimate: \$0.5M Construction Capital

Schedule: PAED: 6/16/16 PS&E: 4/26/22 RWC: 04/28/22 RTL: 05/23/2022 CCA: 03/2027

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EA 4J990

Storm Water Quality Improvement; NAPA 29 PM 33.13 in County of Napa

Scope: Improve water quality and fish passage

Cost Estimate: \$6.9M Construction Capital

Schedule: DED: 12/2/20 PAED: 06/2021 PS&E: 02/2023 RWC: 03/2023 RTL: 04/2023

EA 0Q810

Storm Damage; NAPA 121 PM 16.0/16.1 in County of Napa

Scope: Repair pavement, replace drainage systems and upgrade guardrail.

Cost Estimate: \$1.3M Construction Capital

Schedule: PAED: 02/02/2022 PS&E: 03/2023 RWC: 05/2023 RTL: 06/2023

CONSTRUCTION

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: \$47.5M Construction Capital

Schedule: PAED: 2/13/20 PSE: 08/26/21 RWC: 08/25/21 RTL: 08/26/21 CCA: 12/2025

EA 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: DED: 6/17/20 PAED: 01/15/21 PS&E: 12/10/2021 RWC: 12/10/2021 RTL: 12/10/2021

AWD: 5/2022 (Ghilotti Construction Company)

EA 0K000

ADA Compliance; NAPA 29 PM 0.23/14.6 in County of Napa

Scope: Upgrade Pedestrian Facilities

Cost Estimate: \$2.1M Construction Capital

Schedule: PAED: 7/1/19 PS&E: 07/21 RWC: 09/2021 RTL: 09/2021 CCA: 07/2023

EA 4J300

Pavement Preservation; NAPA 29-PM 29.3/36.9 From York Creek Bridge to Junction Route 128 in Calistoga

Scope: Roadway/ Pavement preservation (CAPM)

Cost Estimate: \$9.7M Construction Capital

Schedule: PAED: 6/30/20 PS&E: 5/18/21 RWC: 5/24/21 RTL: 6/11/21 CCA: 11/2022

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: 05/11/2021

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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 RTL: 5/29/19 AWD: 5/28/20 (Hanford Applied) CCA: 06/2024

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 RTL: 12/8/20 AWD: 5/19/21 (Gordon Ball Inc) CCA: 03/2024

EA 4J210

Capell Creek Bridge; 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: 7/24/17 RTL: 5/18/20 AWD: 11/2/20 (Ghilotti Const. Inc) CCA: 12/2021

EA 2J570

Capell Creek Storm Damage Repair; NAPA 121-PM 20.5/20.7 in County of Napa

Scope: Embankment stabilization and culvert repair

Cost Estimate: \$1.48M Construction Capital

Schedule: PAED: 7/24/17 RTL: 6/29/18 AWD: 11/19/18 (Granite Rock Co.) CCA: 04/18/2022

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: 03/02/2022

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: 02/19/19 (Gordon Ball Inc.) CCA: 03/2023

ACTION ITEMS:

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NAPA VALLEY TRANSPORTATION AUTHORITY

COVER **ERRATA** MEMO

SUBJECT

Imola Park and Ride Electrification

STAFF RECOMMENDATION

That the Napa Valley Transportation Authority (NVTA) Board authorize the Executive Director, or designee to enter into an agreement and make minor modifications as necessary with an electrical contractor(s), to be determined, and Pacific Gas and Electric (PG&E) for electrification of the Imola Park & Ride in amount not to exceed **\$192,965.59** which will include electrical infrastructure to bring adequate power to the site, purchase and installation of electric vehicle charging stations.

EXECUTIVE SUMMARY

The NVTA Board awarded Kimley-Horn Associates (KHA) a work order for the design of the improvements at SR 29 and Imola Avenue Park & Ride on March 20, 2019. The design team made assumptions in the initial design that there was sufficient power for the planned 6 electric vehicle charging stations and infrastructure for 34 future electric vehicle charging stations. During construction, it was determined that the power to the site was deficient to fuel the proposed stations. On April 20, 2022, NVTA approved Amendment #3 to the KHA contract to include design to upgrade the power source at the Imola Park and Ride. The engineer's estimate to upgrade the power source, to procure and install the 6 electric vehicle charging stations is **\$192,965.59** including a **18%** contingency.

NVTA received a Transportation For Clean Air (TFCA) grant from the Bay Area Air Quality Management District in the amount of \$20,000 which will offset the cost of the 6 electric vehicle chargers.

ERRATA

The following corrections are being made to the staff report:

NVTA staff had previously estimated the cost to install six electric vehicle charging stations at \$66,000 based on previous electric vehicle charging station contracts; however, NVTA staff received an updated cost estimate from ChargePoint on July 18, 2022 quoting a cost of \$88, 965.59. NVTA staff was able to secure the quoted price until the end of July 2022, at which point prices will increase by 18% according to ChargePoint representatives.

Item Description	Category	Amount
PG&E Engineering Design	Design	\$2,500
600 AMP, Distribution Board	Materials	\$13,000
6 ChargePoint 4000CT EVCS	Materials	\$88,965.59
PG&E Infrastructure Upgrade	Construction	\$28,500
Distribution Board Installation	Construction	\$14,000
Construction Management and Design	Construction Management	\$20,000
Sub Total		\$146,965.59
Contingency		\$26,000
Total		\$192,965.59

FISCAL IMPACT

Is there a Fiscal Impact? Yes. The cost of the changes is estimated to be **\$192,965.59**. A \$20,000 TFCA grant will offset the impact to the agency's Transportation Development Act Funds.