




Grass Valley • Nevada City

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MEMORANDUM

TO: Nevada County Transportation Commission

FROM: Mike Woodman, Deputy Executive Director 

SUBJECT: Congestion Mitigation and Air Quality Improvement Program Project Recommendations Federal Fiscal Years 2018/19 and 2019/20, Resolution 18-46

DATE: November 14, 2018

RECOMMENDATION: Adopt Resolution 18-46 approving the Congestion Mitigation and Air Quality (CMAQ) Improvement Program projects for Federal Fiscal Years (FFY) 2018/19 and 2019/20.

BACKGROUND: The federal CMAQ funding program was created in 1991 for the purpose of funding transportation projects that will assist regions to reach attainment of the national ambient air quality standards for ozone, carbon monoxide, and particulate matter. Western Nevada County was designated non-attainment for the federal ozone standard in June 2004 and began receiving an annual formula apportionment of CMAQ funds, based on population and air quality severity. The Nevada County Transportation Commission (NCTC) is responsible for managing the CMAQ program and utilizes a multi-year programming approach to deliver projects that assist in meeting the air quality standards.

On August 24, 2018, NCTC staff issued a call for CMAQ eligible projects for FFY 2018/19 and FFY 2019/20. The total amount of CMAQ funds available for the call for projects covering FFY 2018/19 (\$985,046) and FFY 2019/20 (\$1,004,746) is approximately \$1,989,792. NCTC staff has reviewed and ranked the project applications that were submitted and reviewed the staff recommendation with the Technical Advisory Committee (TAC). NCTC staff and the TAC recommend approval of the following projects:

Recommended CMAQ Projects FFY 2018/19:

- **McCourtney Road Active Transportation Connection Project**, Construction, City of Grass Valley, \$685,046

This construction project will include installation of concrete sidewalk on the north side of McCourtney Road, beginning at the terminus of the existing sidewalk on Mill Street and continuing west through the intersection of the freeway ramps to connect with the existing sidewalk in front of the Brighton Greens property. Additionally, the project proposes the construction of a shared use, eight to ten foot wide paved path on the south side of McCourtney Road, from Allison Ranch Road west to the Brighton Street

intersection, where it will join existing paths and sidewalk fronting the fairgrounds property. The proposed path will provide an important connection with the Wolf Creek Trail shared used path currently under construction at the City's Mining Museum property on Allison Ranch Road and the existing trails at the fairgrounds, as well as planned facilities along Brighton Street and to the north.

The existing roadway and intersections will be modernized to include safer crosswalks, accessible curb ramps, improved striping and signage and other pedestrian safety enhancements. The installation of missing sections of sidewalk, new cross walks through congested intersections, and the creation of a Class I bicycle lane will increase connectivity, accessibility, and safety.

- **Rough and Ready Highway/Ridge Road/Adam Avenue Intersection Improvements,**
Preliminary Engineering, Nevada County, \$300,000

This preliminary engineering project scopes the realignment of two three-legged intersections, the Rough and Ready Highway/Ridge Road intersection and the Rough and Ready Highway/Adam Avenue intersection, to one four-legged intersection. The proposed improvements would convert the side street stop controls and both existing intersections to a single signalized intersection or an intersection with a roundabout.

The preliminary engineering analysis will evaluate the right-of-way, delay reduction, cost-benefit, anticipated environmental impacts, and traffic safety, and be utilized to determine the final selected project. Design considerations will include pedestrian and bicycle movements, as well as consideration of access, parking, and traffic circulation for the newly constructed Yuba River Charter School at the Rough and Ready Highway/Adam Avenue intersection. Preliminary engineering, environmental clearance, and right-of-way are expected to be completed in 2019, with construction starting and finishing in 2020.

Recommended CMAQ Projects FFY 2019/20:

- **Rough and Ready Highway/Ridge Road/Adam Avenue Intersection Improvements,**
Construction, Nevada County, \$1,004,746

Recommended Additional Funding for Previously Approved CMAQ Project

- **Additional Funding, Adams Street Sidewalk Project,** Construction, City of Nevada City,
\$169,738.15

This project consists of the construction of approximately 1,100 feet of sidewalk along Adams Street, Nile Street and Clay Street, starting at the end of the existing sidewalk at Long Street and continuing to the intersection with Nimrod Street. In addition, curb ramps will be added to the existing sidewalk on Adams Street to bring the corridor into compliance with current ADA requirements. The project will facilitate safe pedestrian movement between Pioneer Park and the downtown area of Nevada City.

Justification for Additional Funding:

Nevada City Department of Engineering finalized the Plans, Specifications and Estimates (PS&E) package in summer 2017. During final design it was determined that a short section of sidewalk should be added on Clay Street so that sidewalks are contiguous with no missing link. The City also identified

that it was necessary to regrade the intersection of Adams and Nile and construct a retaining wall to provide adequate sight distance with the added sidewalk.

The City waited to bid this project until 2018, in consideration of high bids coming in on other projects at that time. However, price escalations continued into 2018. Prior to bid, the previous preliminary estimate of \$299,240 for construction was adjusted due to the above referenced changes to the plans and to accommodate expected price increases. The updated Engineers estimate prepared in March 2018 was for the amount of \$422,070.

In March 2018 Nevada City Department of Engineering advertised and procured bids for the Adams and Nile Street Improvements CMAQ project. The low bid exceeded the revised engineers estimate by \$20,000. A bid summary comparing bid item unit cost identified a number of items that were higher than anticipated. This included the concrete sidewalk and retaining wall. During construction it was also determined that additional quantities for asphalt and base rock were needed to conform to existing elevations along the uphill side of the street and at adjoining intersections.

Final Construction Cost was \$472,978.15. The City provided in-house construction engineering support and project inspection in order to save costs. Typical cost for construction engineering support is 15% of construction cost. The City was able to provide this for \$26,000.00, which is only approximately 5.5% of construction cost. The total cost for construction and construction engineering came to \$498,978.15.

The previous amount of CMAQ funding approved for the construction and construction engineering was \$329,240.00. Therefore, the additional CMAQ funding being requested for this project totals \$169,738.15. This request for additional CMAQ funding can be fulfilled by using funding held in NCTC's carryover CMAQ balance that is generated from projects savings, revisions to the final end of the year FFY CMAQ apportionment amounts, and un-programmed CMAQ balances.

attachments