

THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
ACTION AGENDA SUMMARY

DEPT: Public Works *mal*

BOARD AGENDA # *C-5

Urgent Routine

AGENDA DATE May 4, 2010

CEO Concurs with Recommendation YES NO
(Information Attached)

4/5 Vote Required YES NO

SUBJECT:

Approval of the Installation of an All-Way Stop Traffic Control at the Intersection of Bangs Avenue at North Star Way in the North Modesto Area

STAFF RECOMMENDATIONS:

Approve the installation of an All-Way Stop Traffic Control, under the authorization granted to local authorities in Vehicle Code Section of 21355, at the intersection of Bangs Avenue at North Star Way in the North Modesto Area.

FISCAL IMPACT:

The estimated cost to the County Road Fund for providing and installing the signage is \$2,450. This includes 2 "stop ahead" signs mounting hardware and labor (\$350), 2 "stop" signs mounting hardware and labor (\$350) and legend painting (\$1,750). Funds are available in the current year's Road Operations budget.

BOARD ACTION AS FOLLOWS:

No. 2010-273

On motion of Supervisor O'Brien, Seconded by Supervisor DeMartini
and approved by the following vote,

Ayes: Supervisors: O'Brien, Chiesa, DeMartini, and Vice Chairman Monteith

Noes: Supervisors: None

Excused or Absent: Supervisors: Grover

Abstaining: Supervisor: None

1) X Approved as recommended

2) _____ Denied

3) _____ Approved as amended

4) _____ Other:

MOTION:

Christine Ferraro

ATTEST: CHRISTINE FERRARO TALLMAN, Clerk

File No.

Approval of the Installation of an All-Way Stop Traffic Control at the Intersection of Bangs Avenue at North Star Way in the North Modesto Area

DISCUSSION:

In February 2010, the Department of Public Works received a referral to evaluate the installation of a stop sign at Bangs Avenue and Spyres Way in the North Modesto area.

The California Department of Transportation has developed guidelines and warrant criteria for establishing all-way stop traffic control at intersections. This procedure enables a standardized approach and application for the all-way stop traffic control. The warrant criteria are based on traffic volumes and avoidable collisions at the intersection.

In order to evaluate the request for an all-way stop traffic control at the intersection of Bangs Avenue and Spyres Way, Public Works staff collected traffic volume and collision data for this location. The analysis showed that the intersection traffic volumes are significantly lower than the minimum traffic volumes suggested in the State adopted guidelines for consideration in installing an all-way stop traffic control. The intersection collision history also does not warrant an all-way stop traffic control.

With the above results, staff expanded the analysis to the adjacent intersection of Bangs Avenue and North Star Way. Applying the same criteria, staff determined that the intersection of Bangs Avenue and North Star Way does meet the criteria for an all-way stop traffic control. Both North Star Way and Spyres Way serve the same business park and are internally connected through Glass Lane. Bangs Avenue is an east-west collector street extending from McHenry Avenue to Dale Road. North Star way is a north-south collector street serving two business parks. Hence, Bangs Avenue at North Star Way is a better candidate for an all-way traffic control. In order to enhance traffic flow, safety and assignment of right-of-way, Public Works staff recommends installing an all-way stop traffic control at the intersection of Bangs Avenue and North Star Way. The flashing beacons will be installed on Bangs avenue in advance of the intersection to aid motorists in reducing speed and coming to a complete stop. The current prevailing speed on Bangs Avenue is 40 mph.

POLICY ISSUES:

California Vehicle Code Section of 21355 authorizes local authorities in their respective jurisdictions to erect stop signs at any location so as to control traffic within an intersection. Additionally, the Board should determine if this action is consistent with its priorities of providing a safe community and a well-planned infrastructure system.

Approval of the Installation of an All-Way Stop Traffic Control at the Intersection of Bangs Avenue at North Star Way in the North Modesto Area

STAFFING IMPACT:

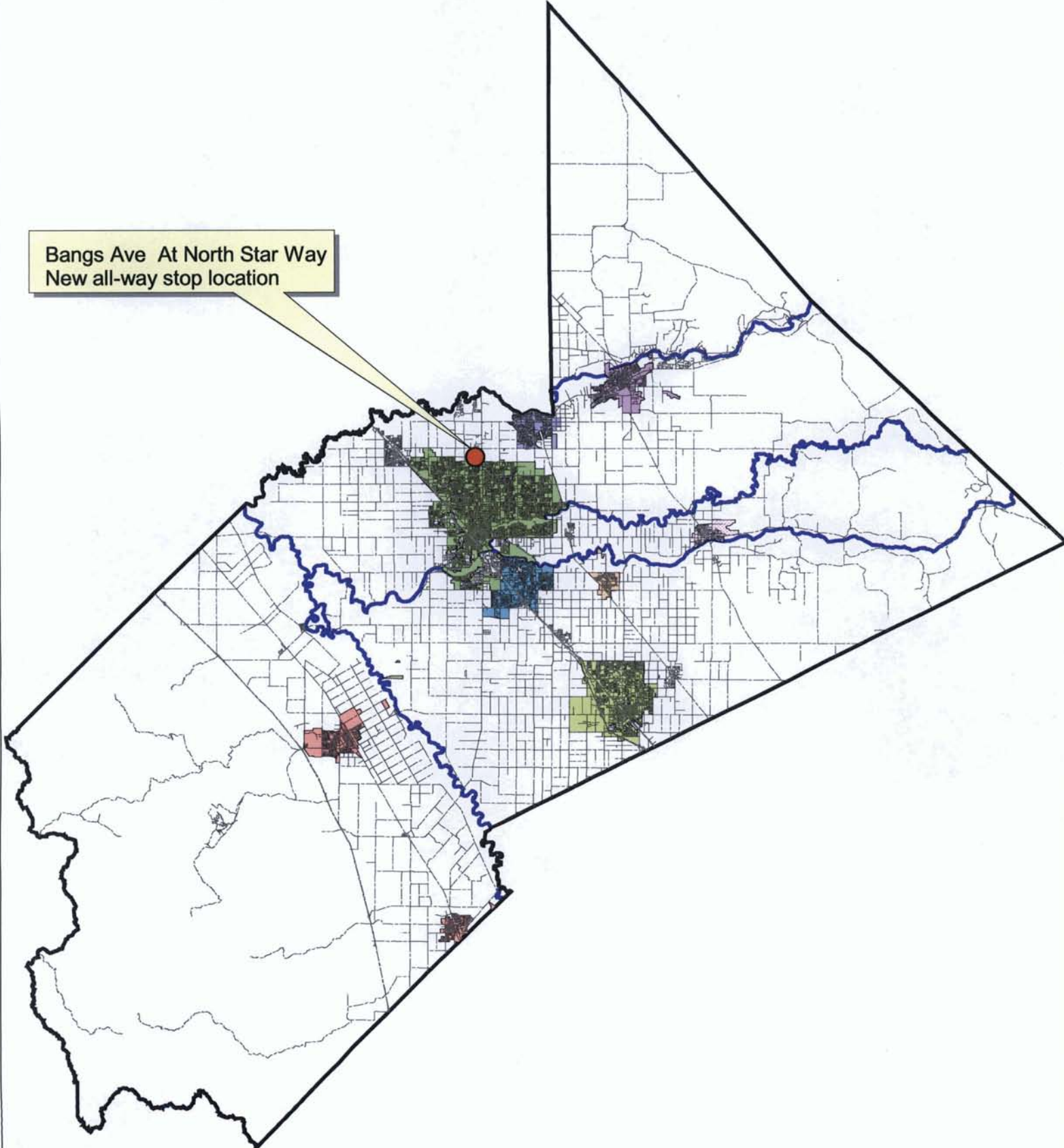
There is no staffing impact associated with this item.

CONTACT PERSON:

Matt Machado, Director of Public Works. Telephone: 209-525-7581

H:\Traffic and Engineering Services\4 Way stop 5-4-2010 2

Bangs Ave At North Star Way
New all-way stop location



Bangs Avenue at North Star Way

All-Way Stop Traffic Control

18941 0 18941 37882 Feet



This map is for display purposes only.



Map printed: 3/30/2010





Bangs Ave At North Star Way

All-way Stop Traffic Control

280 0 280 560 Feet

