

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

DEPT: Public Works

BOARD AGENDA # *C-3

Urgent

Routine

AGENDA DATE November 25, 2014

CEO Concur with Recommendation YES NO
(Information Attached)

4/5 Vote Required YES NO

SUBJECT:

Approval to Adopt a Resolution to Install All-Way Stop Sign Controls at the Intersections of Ladd Road at Tully Road in the North Modesto Area and at the Intersection of River Road/Marshall Road at Crows Landing Road in the Crows Landing Area

STAFF RECOMMENDATIONS:

Approve a resolution for the installation of All-Way Stop Traffic Controls, at the intersections of Ladd Road at Tully Road in the North Modesto area and at the intersection of River Road/Marshall Road at Crows Landing Road in the Crows Landing area.

FISCAL IMPACT:

The cost estimated to provide and install the required materials for both intersections is \$31,500. Funds are available in the Fiscal Year 2014-2015 Public Works' Road Operations budget.

BOARD ACTION AS FOLLOWS:

No. 2014-584

On motion of Supervisor O'Brien, Seconded by Supervisor De Martini
and approved by the following vote,
Ayes: Supervisors: O'Brien, Chiesa, Withrow, Monteith, and Chairman De Martini
Noes: Supervisors: None
Excused or Absent: Supervisors: None
Abstaining: Supervisor: None

- 1) _____ Approved as recommended
- 2) _____ Denied
- 3) X Approved as amended
- 4) _____ Other:

MOTION: This Item was removed from the consent calendar for discussion and consideration.

Amended the item to remove from the resolution the intersection of Ladd Road at Tully Road in the North Modesto area

ATTEST:


CHRISTINE FERRARO TALLMAN, Clerk

File No.

Approval to Adopt a Resolution to Install All-Way Stop Sign Controls at the Intersections of Ladd Road at Tully Road in the North Modesto Area and at the Intersection of River Road/Marshall Road at Crows Landing Road in the Crows Landing Area

DISCUSSION:

In July of 2014, requests were made from the public to the Department of Public Works requesting the installation of all-way stop controls at two intersections in the County.

Ladd Road at Tully Road

County residents at the Salida Municipal Advisory Council meeting requested that Public Works look at the intersection of Ladd Road and Tully Road. The intersection is a three-way, T-intersection with Ladd Road being the uncontrolled movement. Tully Road terminates at the intersection with Ladd Road in an agricultural setting north of Modesto. Ladd Road carries approximately 10,000 vehicles per day through the intersection. Approximately 2,000 vehicles per day enter the intersection on Tully Road.

Following the guidelines in the 2012 California Manual on Uniform Traffic Control Devices, Department staff determined that an all-way stop was NOT warranted by the daily volume and collision history data that was collected and analyzed. However, further studies showed that although an all-way stop was not warranted, the volumes in the most congested hours of the day warranted the installation of a traffic signal. While the criteria to install an all-way stop was not met, an interim solution to control traffic prior to signal installations is to install an all-way stop; therefore, the criteria has been met.

Over a three year period, from 2009-2011, three collisions occurred at this intersection. Of these collisions, none of them are considered correctable by the installation of an all-way stop.

The County currently does not have any funding sources to install a traffic signal at this intersection and will seek funding to improve the intersection in the future. Additionally, future studies will be performed after the California Department of Transportation completes the widening of State Route 219 (Kiernan Avenue). Many trips may be redirected to the improved facility and off of Ladd Road which runs parallel to the State's facility. The Department of Public Works will continue to monitor this intersection.

The materials required will be two stop signs, two stop-ahead signs, three solar flashing red beacons, mounting hardware, stop bars, and road marking painting. The cost breakdown is as follows:

<u>Item</u>	<u>Quantity</u>	<u>Cost per item</u>	<u>Total Cost</u>
Stop Sign 48" x 48"	2	\$500	\$1,000
Stop Ahead Sign 48" x 48"	2	\$500	\$1,000
Solar Flashing Beacon	3	\$2,000	\$6,000
Pavement Markings (Stop, Stop Ahead, and Limit Line)			\$1,000
Mounting Hardware & Labor			\$1,000
	TOTAL		\$10,000

Approval to Adopt a Resolution to Install All-Way Stop Sign Controls at the Intersections of Ladd Road at Tully Road in the North Modesto Area and at the Intersection of River Road/Marshall Road at Crows Landing Road in the Crows Landing Area

Crows Landing Road at River/Marshall Road

Residents have requested the installation of all-way stop control at the intersection of Crows Landing Road and River Road/Marshall Road. Crows Landing Road generally runs from east to west in this location and consists of one lane of travel in each direction with a left turn lane at the intersection. Approximately 7,000 vehicles travel on Crows Landing Road through this intersection each day. River Road consists of one lane in each direction to the south of the intersection and connects to the City of Newman and Merced County. River Road carries roughly 4,000 vehicles per day. Marshall Road consists of one lane in each direction to the north and connects to the City of Patterson. Marshall Road carries on average 800 vehicles per day.

Following the guidelines in the 2012 California Manual on Uniform Traffic Control Devices, Department staff determined that an all-way stop was warranted by the daily volume that was collected and analyzed. High volumes of agricultural traffic, including truck and trailer combinations and farming equipment, primarily use Crows Landing Road and River Road. This creates a left-turn conflict for vehicles on Crows Landing Road as well as vehicles attempting to turn off of River Road. An all-way stop will assign the right-of-way in a safer manner.

Over a three year period, from 2009-2011, three collisions occurred at this intersection. One of the three collisions is correctable by the installation of an all-way stop.

Due to the high speed approaches and the lack of right-of-way control for approximately 3.5 miles to the west and 7.5 miles to the east, the Department is also recommending the installation of an overhead four-way, red flashing beacon at the intersection to attract the attention of drivers and help in low-visibility conditions such as the dense fog this area can experience.

The materials required will be two stop signs, four stop-ahead signs, four-way overhead red beacons, mounting hardware, stop bars, and road marking paint. The cost breakdown is as follows:

<u>Item</u>	<u>Quantity</u>	<u>Cost per item</u>	<u>Total Cost</u>
Stop Sign 48" x 48"	2	\$500	\$1,000
Stop Ahead Sign 48" x 48"	4	\$500	\$2,000
Flashing Red Beacon	1	\$20,000	\$20,000
Pavement Markings (Stop, Stop Ahead, and Limit Line)			\$1,500
Mounting Hardware			\$1,000
		TOTAL	\$26,500

The estimated cost for providing and installing the required materials is \$31,500. This includes all required signs, pavement markings, and red flashing beacons for each intersection.

Approval to Adopt a Resolution to Install All-Way Stop Sign Controls at the Intersections of Ladd Road at Tully Road in the North Modesto Area and at the Intersection of River Road/Marshall Road at Crows Landing Road in the Crows Landing Area

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 well-planned infrastructure system and a safe community.

STAFFING IMPACT:

Public Works' staff will oversee installation of All-Way Stop Controls.

CONTACT PERSON:

Matt Machado, Director of Public Works. Telephone: 209-525-4310

ATTACHMENTS:

Board Resolution

AM/aa

THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
STATE OF CALIFORNIA

AMENDED

2014-584

Date: November 25, 2014

On motion of Supervisor O'Brien Seconded by Supervisor De Martini
and approved by the following vote,
Ayes: Supervisors: O'Brien, Chiesa, Withrow, Monteith, and Chairman De Martini
Noes: Supervisors: None
Excused or Absent: Supervisors: None
Abstaining: Supervisor: None

Item # *C-3

THE FOLLOWING RESOLUTION WAS ADOPTED:

**A RESOLUTION SUPPORTING THE INSTALLATION OF AN ALL-WAY STOP AT THE
INTERSECTION OF CROWS LANDING ROAD AT RIVER ROAD/MARSHALL ROAD**

WHEREAS, California Vehicle Code Section 21351 Local Authority authorizes local jurisdictions to erect and maintain traffic signs, signals and other traffic control devices upon streets and highways; and

WHEREAS, the California Department of Transportation adopted the California Manual on Uniform Traffic Control Devices (California MUTCD) 2012 edition to provide for uniform standards and specifications for all official traffic control devices in California. This action was taken pursuant to the provisions of California Vehicle Code Section 21400 and the recommendation of the California Traffic Control Devices Committee (CTCDC). The Department requested and has received a letter to confirm substantial conformance from the Federal Highway Administration (FHWA) for California MUTCD 2012 edition; and

WHEREAS, River Road, Marshall Road, and Crows Landing Road are local highways not affecting state highway traffic; and

WHEREAS, River Road, Marshall Road, and Crows Landing Road are not designated as through highways in accordance with California Vehicle Code Section 21354 Stop Signs on Local Highways; and

WHEREAS, Section 2B.07 Multi-Way Stop Applications of the California MUTCD 2012 establishes criteria for the installation of Multi-Way Stop Signs; and

WHEREAS, an engineering study should be performed; and

WHEREAS, criteria is based upon the traffic volumes, collision history, need for a traffic signal, and need to control conflicts; and

WHEREAS, Stanislaus County Traffic Engineering staff conducted a thorough engineering study dated 8/1/14; and

WHEREAS, the traffic volumes satisfied the requirements of Warrant C in the California MUTCD 2012 Section 2B.07 for the installation of all-way stop control at the intersection of Crows Landing Road and River Rd/Marshall Rd; and

NOW, THEREFORE, BE IT RESOLVED THAT THE BOARD OF SUPERVISORS OF STANISLAUS COUNTY does hereby confirm this resolution for the placement of the all-way stop signs.

ATTEST: CHRISTINE FERRARO TALLMAN, Clerk
Stanislaus County Board of Supervisors,
State of California



File No.

**THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
STATE OF CALIFORNIA**

Date: November 25, 2014

THE FOLLOWING RESOLUTION WAS ADOPTED:

**RESOLUTION TO INSTALL ALL-WAY STOP SIGN CONTROLS AT THE INTERSECTIONS OF
LADD ROAD AT TULLY ROAD IN THE NORTH MODESTO AREA AND AT THE INTERSECTION
OF RIVER ROAD/MARSHALL ROAD AT CROWS LANDING ROAD IN THE CROWS LANDING
AREA**

WHEREAS, California Vehicle Code Section 21351 Local Authority authorizes local jurisdictions to erect and maintain traffic signs, signals and other traffic control devices upon streets and highways; and

WHEREAS, the California Department of Transportation adopted the California Manual on Uniform Traffic Control Devices (California MUTCD) 2012 edition to provide for uniform standards and specifications for all official traffic control devices in California. This action was taken pursuant to the provisions of California Vehicle Code Section 21400 and the recommendation of the California Traffic Control Devices Committee (CTCDC). The Department requested and has received a letter to confirm substantial conformance from the Federal Highway Administration (FHWA) for California MUTCD 2012 edition; and

WHEREAS, Ladd Road at Tully Road and River Road/Marshall Road at Crows Landing Road are local highways not affecting state highway traffic; and

WHEREAS, Ladd Road at Tully Road and River Road/Marshall Road at Crows Landing Road are not designated as through highways in accordance with California Vehicle Code Section 21354 Stop Signs on Local Highways; and

WHEREAS, Section 2E.07 Multi-Way Stop Applications of the California MUTCD 2012 establishes criteria for the installation of Multi-Way Stop Signs; and

WHEREAS, an engineering study should be performed; and

WHEREAS, criteria is based upon the traffic volumes, collision history, need for a traffic signal, and need to control conflicts; and

WHEREAS, Stanislaus County Traffic Engineering staff conducted a thorough engineering study dated 8/1/14; and

WHEREAS, the traffic volumes satisfied the requirements of Warrant C in the California MUTCD 2012 Section 2B.07 for the installation of all-way stop control at the intersection of Crows Landing Road and River Rd/Marshall Rd; and

WHEREAS, the traffic volumes were satisfied for the installation of a Traffic Signal at the intersection at Ladd Road and Tully Road, thereby warranting an all-way stop; and

Now, therefore, be it resolved that the Board of Supervisors of Stanislaus County does hereby confirm this resolution for the placement of the all-way stop.