

COUNTY OF SONOMA AGENDA ITEM SUMMARY REPORT		Clerk of the Board Use Only Meeting Date Held Until ____/____/____ ____/____/____ Agenda Item No: Agenda Item No: _____ _____	
Department: Transportation and Public Works		<input type="checkbox"/> 4/5 Vote Required	
Contact: Dave Wallace	Phone: (707) 565-2231	Board Date: 05/05/09	Deadline for Board Action:
Agenda Short Title: Petrified Forest Road (#8801C) and Calistoga Road (#7703) at Porter Creek Road (#8801B)			
Requested Board Action: Approve Resolution that directs stopping Petrified Forest Road at Porter Creek Road and stopping Calistoga Road at Porter Creek Road converting the intersection to an all-way stop controlled intersection (First Supervisorial District).			
CURRENT FISCAL YEAR FINANCIAL IMPACT			
<u>EXPENDITURES</u>		<u>ADD'L FUNDS REQUIRING BOARD APPROVAL</u>	
Estimated Cost	\$ 3,000	Contingencies	\$
		(Fund Name:)	
Amount Budgeted	\$ 3,000	Unanticipated Revenue	\$
035071-7200		(Source:)	
Other Avail. Approp		Other Transfer(s)	\$ _____
(Explain below)	\$		\$
Additional Requested	\$ -0-	Add'l Funds Requested:	
Explanation (if required):			
Prior Board Action(s): 05/11/70: Ordinance No. 1259 established a stop intersection at which all eastbound traffic on Porter Creek Road shall stop before entering the intersection with Petrified Forest Road and Calistoga Road.			
Alternatives - Results of Non-Approval: Leave this intersection controlled only by the existing stop sign on Porter Creek Road eastbound, or choose alternate stops.			

Background:

Department of Transportation and Public Works staff recently measured traffic volumes near the intersection of Porter Creek Road and Petrified Forest Road in the first supervisorial district. Traffic volumes entering this T-intersection were found to be large enough for the department staff to investigate further to determine whether or not two more stop signs should be installed to accompany the one that is there now.

Converting an intersection to all-way stop control does delay all vehicles. However, doing so does provide for safe and orderly movement at intersections where higher volumes of traffic must be accommodated without the benefit of traffic signals. Standard measures of need, called Warrants, have been developed for the use of stop signs. Warrants are described in the California Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD). The California MUTCD is published by the State of California, Department of Transportation, and is issued to adopt uniform standards and specifications for all official traffic control devices.

A stop sign may be warranted at an intersection where sight distance is limited or serious accident records indicate a need for control by stop signs. All-way stop installations can be used as a safety measure, or in lieu of traffic signals, at some locations where the approach volumes on two intersecting major roadways are approximately equal and traffic warrants demonstrate the need for the installation of a traffic signal. Here the eight-hour minimum vehicle volume and the four-hour vehicle volume signal warrants have been met. Additionally, there is need to control left turn conflicts at the intersection in view of the intersection's recent broadside collision accident history.

The estimated cost of installing the required signs for these three way stop intersections is \$1,500 for each intersection. Funds are available in the FY 08-09 Road – Traffic Maintenance budget.

Recommendation:

Approve Resolution that directs stopping Petrified Forest Road at Porter Creek Road and stopping Calistoga Road at Porter Creek Road converting the intersection to an all-way stop controlled intersection (First Supervisorial District).

Attachments: Resolution; Location Map

On File With Clerk:

CLERK OF THE BOARD USE ONLY

Board Action (If other than "Requested")

Vote: