



Board Agenda Item 33

DATE: June 9, 2020

TO: Board of Supervisors

SUBMITTED BY: Steven E. White, Director
Department of Public Works and Planning

SUBJECT: Stop Signs at Twelve Intersections in Fresno County

RECOMMENDED ACTION(S):

Adopt a Resolution designating twelve intersections within Fresno County as stop intersections, authorizing additional Stop signs at eight intersections making them all-way stops, one intersection making it a two-way stop, and three intersections making them one-way stops.

Approval of the recommended action will allow the installation of additional signs at eight locations identified in the proposed resolution making them all-way stop intersections, improving traffic safety by requiring vehicles to stop from all approaches. In addition, allowing the installation of Stop signs at one location identified in the proposed resolution making it a two-way stop intersection, improving traffic safety by requiring vehicles to stop on two approaches only. Lastly, allowing the installation of a Stop sign at three locations identified in the proposed resolution making them one-way stop intersections, improving traffic safety by requiring vehicles to stop on one approach only. This item pertains to locations in District 1, 4, and 5.

ALTERNATIVE ACTION(S):

If the recommended action is not approved by your Board, the traffic controls at the twelve intersections will remain unchanged.

FISCAL IMPACT:

There is no Net County Cost associated with the recommended action. The estimated cost for the proposed one-way, two-way, and all-way stops is \$6,900 for materials and \$3,260 for equipment and labor that will be performed by Department of Public Works and Planning personnel. Sufficient appropriations and estimated revenues are included in the Department's - Roads Org 4510 FY 2019-20 Recommended Budget.

DISCUSSION:

One-way, two-way, and all-way stop controls can be useful as a safety measure at intersections where certain traffic conditions exist. When the Department considers stop control at an intersection, it conducts an engineering study. Based upon the study, the Department will make a recommendation regarding the installation of Stop signs. Criteria considered in an engineering study may include the collision history, traffic volume, traffic delays, line of sight, or any combination of the foregoing.

Studies indicate when traffic collisions, traffic volume, delays, line of sight, or any combination thereof

justifies the installation of Stop signs pursuant to guidelines in the California Manual of Uniform Traffic Control Devices. Furthermore, the studies would indicate whether Stop sign installations would improve traffic safety at the intersections.

All-Way Stops

American and Temperance Avenues

This location pertains to District 4. The intersection is in the County's exclusive jurisdiction. Both American and Temperance Avenues are County maintained roads that intersect southeast of the City of Fresno. The terrain is flat and intersects within a rural farming area. The speed limit on both roads is 55 Miles Per Hour (MPH).

American Avenue has an easterly and westerly alignment consisting of two lanes of traffic and is the through road at Temperance Avenue. The pavement measures approximately 22 feet wide from edge to edge. Signs and pavement markings include a painted yellow road centerline striping. The traffic volume is 1,500 vehicles per day (VPD).

Temperance Avenue has a northerly and southerly alignment consisting of two lanes of traffic. The pavement measures approximately 22 to 25 feet wide from edge to edge. Signs and pavement markings include a painted yellow road centerline striping, Stop Ahead signs and pavement markings, Stop bar on each approach, Stop signs, Cross Traffic Does Not Stop signs, Street Name signs, and rumble strips on each approach to American Avenue. The traffic volume is 500 VPD.

Between January 1, 2014 and September 12, 2019, there were three traffic collisions with right-of-way violation as the primary cause factor; resulting in numerous injuries and one fatality. There were five or more reported crashes in a recent 12-month period that are susceptible to correction by an all-way stop.

Approval of the recommended action will authorize the installation of Stop signs at the intersection of American and Temperance Avenues, stopping eastbound and westbound traffic on American Avenue.

Clovis and Floral Avenues

This location pertains to District 4. The intersection is in the County's exclusive jurisdiction. Both Clovis and Floral Avenues are County maintained roads that intersect west of the City of Selma. The terrain is flat and intersects within a rural farming area. The speed limit on both roads is 55 MPH.

Clovis Avenue has a northerly and southerly alignment consisting of two lanes of traffic and is the through road at Floral Avenue. The pavement measures approximately 23 feet wide from edge to edge. Signs and pavement markings include a painted yellow road centerline striping. The traffic volume is between 1,700 and 1,900 VPD.

Floral Avenue has an easterly and westerly alignment consisting of two lanes of traffic. The pavement measures approximately 22 to 25 feet wide from edge to edge. Signs and pavement markings include a painted yellow road centerline striping, Stop Ahead signs and pavement markings, Stop bar on each approach, Stop signs, and Street Name signs. The traffic volume is between 1,400 and 1,600 VPD.

Between January 1, 2014 and September 20, 2019 there were 12 traffic collisions with right-of-way violation as the PCF; resulting in numerous injuries and no fatalities. There were five or more reported crashes in a recent 12-month period that are susceptible to correction by an all-way stop.

Approval of the recommended action will authorize the installation of Stop signs at the intersection of Clovis and Floral Avenues, stopping northbound and southbound traffic on Clovis Avenue.

Del Rey and McKinley Avenues

This location pertains to District 5. The intersection is in the County's exclusive jurisdiction. Both Del Rey and McKinley Avenues are County maintained roads that intersect east of the City of Fresno. The terrain is flat and intersects within a rural farming area. The speed limit on both roads is 55 MPH.

Del Rey Avenue has a northerly and southerly alignment consisting of two lanes of traffic. The pavement measures approximately 23 feet wide from edge to edge. Signs and pavement markings include a painted yellow road centerline stripe, Stop Ahead signs and pavement markings, Stop bar on each approach, flashing Light-Emitting Diode (LED) Stop signs, Cross Traffic Does Not Stop signs, and Flooded sign. The traffic volume is between 700 and 1,200 VPD.

McKinley Avenue has an easterly and westerly alignment consisting of two lanes of traffic and is the through road at Del Rey Avenue. The pavement measures approximately 25 feet wide from edge to edge. Signs and pavement markings include a painted yellow road centerline striping. The traffic volume is between 1,500 and 1,700 VPD.

Between January 1, 2014 and December 31, 2018 there were five traffic collisions with right-of-way violation as the PCF; resulting in numerous injuries and one fatality. There were five or more reported crashes in a recent 12-month period that are susceptible to correction by an all-way stop.

Approval of the recommended action will authorize the installation of Stop signs at the intersection of Del Rey and McKinley Avenues, stopping eastbound and westbound traffic on McKinley Avenue.

Annadale and Del Rey Avenues

This location pertains to District 4. The intersection is in the County's exclusive jurisdiction. Both Annadale and Del Rey Avenues are County maintained roads that intersects west of the City of Sanger. The terrain is flat and intersects within a rural farming area. The speed limit on both roads is 55 MPH.

Annadale Avenue has an easterly and westerly alignment consisting of two lanes of traffic. The pavement measures approximately 20 feet wide from edge to edge. Signs and pavement markings include Stop Ahead signs and pavement markings, Stop bar on each approach, and Stop signs. The traffic volume is between 1,000 and 1,500 VPD.

Del Rey Avenue has a northerly and southerly alignment consisting of two lanes of traffic and is the through road at Annadale Avenue. The pavement measures approximately 22 feet wide from edge to edge. Signs and pavement markings include a painted yellow road centerline striping. The traffic volume is between 1,000 and 1,200 VPD.

Between January 1, 2014 and December 31, 2018 there were 13 traffic collisions with right-of-way violation as the PCF; resulting in numerous injuries and no fatalities. There were five or more reported crashes in a recent 12-month period that are susceptible to correction by an all-way stop.

Approval of the recommended action will authorize the installation of Stop signs at the intersection of Annadale and Del Rey Avenues, stopping northbound and southbound traffic on Del Rey Avenue.

Central and Frankwood Avenues

This location pertains to District 4. The intersection is in the County's exclusive jurisdiction. Both Central and Frankwood Avenues are County maintained roads that intersects north of City of Reedley. The terrain is sloped downward on the north and west legs but is flat for the south and west legs and intersects within a rural farming area. The speed limit on both roads is 55 MPH.

Central Avenue has an easterly and westerly alignment consisting of two lanes of traffic. The pavement measures approximately 23 to 36 feet wide from edge to edge. Signs and pavement markings include a painted yellow road centerline striping, Stop Ahead signs and pavement markings, Stop bar on each approach, Stop signs, Cross Traffic Does Not Stop signs, and Street Name signs. The traffic volume is between 800 and 1,000 VPD.

Frankwood Avenue has a northerly and southerly alignment consisting of two lanes of traffic and is the through road at Central Avenue. The pavement measures approximately 24 feet wide from edge to edge. Signs and pavement markings include a painted yellow road centerline striping, Destination sign, Intersection Warning sign, and Advisory Speed plaque. The traffic volume is between 1,400 and 1,600 VPD.

Between November 18, 2014 and November 18, 2019 there were seven traffic collisions with right-of-way violation as the PCF; resulting in numerous injuries and no fatalities. There were five or more reported crashes in a recent 12-month period that are susceptible to correction by an all-way stop.

Approval of the recommended action will authorize the installation of Stop signs at the intersection of Central and Frankwood Avenues, stopping northbound and southbound traffic on Frankwood Avenue.

Dickenson Avenue and Kearney Boulevard

This location pertains to District 1. The intersection is in the County's exclusive jurisdiction. Both Dickenson Avenue and Kearney Boulevard are County maintained roads that intersects west of City of Fresno. The terrain is flat and intersects within a rural farming area. The speed limit on both roads is 55 MPH.

Dickenson Avenue has a northerly and southerly alignment consisting of two lanes of traffic and is the through road at Kearney Boulevard. The pavement measures approximately 28 feet wide from edge to edge. Signs and pavement markings include a painted yellow road centerline striping and Advanced Street Name sign. The traffic volume is between 3,100 and 3,200 VPD.

Kearney Boulevard has an easterly and westerly alignment consisting of two lanes of traffic. The pavement measures approximately 24 feet wide from edge to edge. Signs and pavement markings include a painted yellow road centerline striping, Stop Ahead signs and pavement markings, Stop bar on each approach, Stop signs, and Street Name signs. The traffic volume is 1,000 VPD.

Between January 1, 2015 and December 31, 2019 there were 19 traffic collisions with right-of-way violation as the PCF; resulting in numerous injuries and no fatalities. There were five or more reported crashes in a recent 12-month period that are susceptible to correction by an all-way stop.

Approval of the recommended action will authorize the installation of Stop signs at the intersection of Dickenson Avenue and Kearney Boulevard, stopping northbound and southbound traffic on Dickenson Avenue.

North and Peach Avenues

This location pertains to District 4. The intersection is in the County's exclusive jurisdiction. Both North and Peach Avenues are County maintained roads that intersect south of City of Fresno. The terrain is flat and intersects within a rural industrial area.

North Avenue has an easterly and westerly alignment consisting of two lanes of traffic and is the through road at Peach Avenue. The pavement measures approximately 33 to 36 feet wide from edge to edge. Signs and pavement markings include a painted yellow road centerline striping and Speed Limit signs. Speed Limit signs for 55 MPH are posted on the west and east leg. The traffic volume is between 3,200 and 3,300 VPD.

Peach Avenue has a northerly and southerly alignment consisting of two lanes of traffic. The pavement measures approximately 25 to 43 feet wide from edge to edge. Signs and pavement markings include a painted yellow road centerline striping, Stop Ahead signs and pavement markings, Stop bar on each approach, Stop signs, Street Name signs, and Speed Limit signs. Speed Limit signs for 45 MPH are posted on the north and south leg. The traffic volume is 900 VPD.

Between January 1, 2015 and December 31, 2019 there were 16 traffic collisions with right-of-way violation as the PCF; resulting in numerous injuries and no fatalities. There were five or more reported crashes in a recent 12-month period that are susceptible to correction by an all-way stop.

Approval of the recommended action will authorize the installation of Stop signs at the intersection of North and Peach Avenues, stopping eastbound and westbound traffic on North Avenue.

American and Fowler Avenues

This location pertains to District 4. The intersection is in the County's exclusive jurisdiction. Both American and Fowler Avenues are County maintained roads that intersect north of City of Fowler. The terrain is flat and intersects within a rural farming area. The speed limit on both roads is 55 MPH.

American Avenue has an easterly and westerly alignment consisting of two lanes of traffic and is the through road at Fowler Avenue. The pavement measures approximately 21 to 32 feet wide from edge to edge. Signs and pavement markings include a painted yellow road centerline striping and Flooded sign. The traffic volume is between 1,500 and 2,200 VPD.

Fowler Avenue has a northerly and southerly alignment consisting of two lanes of traffic. The pavement measures approximately 25 feet wide from edge to edge. Signs and pavement markings include a painted yellow road centerline striping, Stop Ahead signs and pavement markings, Stop bar on each approach, Flashing LED Stop signs, Street Name signs, Cross Traffic Does Not Stop signs, and Street Name signs. The traffic volume is between 1,000 and 1,100 VPD.

Between January 1, 2013 and December 31, 2017 there were 11 traffic collisions with right-of-way violation as the PCF; resulting in numerous injuries and three fatalities. There were five or more reported crashes in a recent 12-month period that are susceptible to correction by an all-way stop.

Approval of the recommended action will authorize the installation of Stop signs at the intersection of American and Fowler Avenues, stopping eastbound and westbound traffic on American Avenue.

Two-Way Stop

Alva Street and Paloma Avenue

This location pertains to District 4. The intersection is in the County's exclusive jurisdiction. Both Alva Street and Paloma Avenue are County maintained roads that intersect southwest of City of Fresno. The terrain is flat and intersects within a residential area near Riverdale Elementary School. The speed limit on both roads defaults to 25 MPH. Alva Street and Paloma Avenue are uncontrolled, the normal rule of the road applies to the assignment of right-of-way.

Alva Street has a northerly and southerly alignment consisting of two lanes of traffic and is a through road at Paloma Avenue. The pavement measures approximately 35 feet wide from edge to edge. Signs and pavement markings include a School Advance Warning Assembly D sign, Slow School Crossing pavement marking, and Street Name signs. The traffic volume is 100 VPD.

Paloma Avenue has an easterly and westerly alignment consisting of two lanes of traffic and is a through road at Alva Street. The pavement measures approximately 31 to 35 feet wide from edge to edge. There are

no signs or pavement markings present on Paloma Avenue. The traffic volume is 200 VPD.

Between January 1, 2014 and December 31, 2018, there were two traffic collisions with right-of-way violation as the PCF in both collision; resulting in three injuries with no fatalities. The collision may have been correctable with a two-way stop installation.

Approval of the recommended action will authorize the installation of Stop signs at the intersection of **Alva Street and Paloma Avenue**, stopping eastbound and westbound traffic on Paloma Avenue.

One-Way Stops

Corlew and Meadow Lanes

This location pertains to District 5. The intersection is in the County's exclusive jurisdiction. Both Corlew and Meadow Lanes are County maintained roads that intersect northeast of Fresno. The terrain is mountainous, rolling, and intersects within a rural area. Corlew and Meadow Lanes are uncontrolled, the normal rule of the road applies to the assignment of right-of-way.

Corlew Lane has an easterly and westerly alignment consisting of two lanes of traffic that tees into Meadow Lane. The pavement measures approximately 15 feet wide from edge to edge. There are no signs and pavement markings. The Speed Limit sign is unposted on Corlew Lane thereby defaulting to 25 MPH. The traffic volume is 200 VPD.

Meadow Lane has a northerly and southerly alignment consisting of two lanes of traffic that tees into Corlew Lane. The pavement measures approximately 12 feet wide from edge to edge. Signs and pavement markings include a Speed Limit sign and Street Name signs. A Speed Limit sign for 25 MPH is posted on the north leg. The traffic volume is 200 VPD.

Between January 1, 2014 and December 31, 2018 there were zero traffic collisions.

Approval of the recommended action will authorize the installation of a Stop sign at the intersection of Corlew and Meadow Lanes, stopping northbound traffic on Meadow Lane.

Markay Avenue and Sussex Way

This location pertains to District 5. The intersection is in the County's exclusive jurisdiction. Both Markay Avenue and Sussex Way are County maintained roads that intersect east of Clovis. The terrain is flat and intersects within a residential area. The speed limit on both roads is 25 MPH. Markay Avenue and Sussex Way are uncontrolled, the normal rule of the road applies to the assignment of right-of-way.

Markay Avenue has a northerly and southerly alignment consisting of two lanes of traffic that tees into Sussex Way. The pavement measures approximately 24 feet wide from edge to edge. There are no signs and pavements markings. The traffic volume is 200 VPD.

Sussex Way has an easterly and westerly alignment consisting of 2 lanes of traffic that tees into Markay Avenue. The pavement measures approximately 25 feet wide from edge to edge. Signs and pavement markings include a Road Ends 300 Ft sign, and an END sign and reflective red Object Marker. The traffic volume is 200 VPD.

Between January 1, 2014 and December 31, 2018 there were zero traffic collisions.

Approval of the recommended action will authorize the installation of a Stop sign at the intersection of Markay Avenue and Sussex Way, stopping northbound traffic on Markay Avenue.

Eddy and Norwich Avenues

This location pertains to District 5. The intersection is in the County's exclusive jurisdiction. Both Eddy and Norwich Avenues are County maintained roads that intersect south of Clovis. The terrain is flat and intersects within a residential area. The speed limit on both roads is 25 MPH. Eddy and Norwich Avenue are uncontrolled, the normal rule of the road applies to the assignment of right-of-way.

Eddy Avenue has a northerly and southerly alignment consisting of 2 lanes of traffic that tees into Norwich Avenue. The pavement measures 32 feet wide from edge to edge. There are no signs and pavement markings. The traffic volume is between 200 and 500 VPD.

Norwich Avenue has an easterly and westerly alignment consisting of 2 lanes of traffic that tees into Eddy Avenue. The pavement measures approximately 32 feet wide from edge to edge. Signs and pavement markings include Street Name signs. The traffic volume is 200 VPD.

Between January 1, 2014 and December 31, 2018 there were zero traffic collisions.

Approval of the recommended action will authorize the installation of a Stop sign at the intersection of Eddy and Norwich Avenues, stopping westbound traffic on Norwich Avenue.

ATTACHMENTS INCLUDED AND/OR ON FILE:

Vicinity Map

On file with Clerk - Resolution

CAO ANALYST:

Debbie Paolinelli