

APPENDIX 3.2-A: HIGH-SPEED RAIL GRADE SEPARATION AND ROAD CLOSURES FOR CENTRAL VALLEY WYE ALTERNATIVES

HSR Central Valley Wye Road Matrix

SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE

Crossing Name / Location	County / City	Station	Crossing Configuration (over/under HSR tracks)	Structure Type (Existing/New)	Notes	Road Classification*	Posted Speed**	Recommended Design Speed
SAN JOSE TO FRESNO								
Elgin Road	Merced County	5469+00	At Grade	None	Road Closure	Local	-	-
Henry Miller Road	Merced County	N/A	At Grade	None	Reroute to Indiana Road	Minor Collector	50	60
Loma Avenue	Merced County	5496+00	At Grade	None	Road Closure	Local	-	-
Indiana Road	Merced County	5573+00	Over	New	New grade separation	Collector	55	60
Wood Slough	Merced County	5595+00	-	New	HSR over channel	-	-	-
Willis Road	Merced County	5657+00	Under	New	New HSR bridge - no changes to road	Local	-	-
San Joaquin River	Merced County	5668+00	-	New	New HSR bridge over river	-	-	-
Mariposa Slough	Merced County	5686+00	-	New	New HSR bridge over channel	-	-	-
Harmon Road	Merced County	5724+00	Under	New	New HSR bridge - no changes to road	Local	-	-
Eastside Bypass Channel	Merced County	5778+00	-	New	New HSR bridge over channel	-	-	-
Coyote Road	Merced County	5839+00	At Grade	None	Road Closure. Rerouted.	Local	30	35
Red Top Road	Merced County	5889+00	At Grade	None	Road Closure	Local	-	-
Road 3	Madera County	5891+00	At Grade	None	Road Closure	Local	-	-
SR 59	Merced / Madera County	5891+00	Over	New	New grade separation & interchange	Freeway Ramps	45	50
Road 4 / Lincoln Road	Madera County	5946+40	Over	New	New grade separation	Collector	55	60
Road 5	Madera County	5999+25	At Grade	None	Road Closure	Local	-	-
Road 6 / Kingwood Road	Madera County	6052+50	At Grade	None	Road Closure	Local	-	-
Road 7 / Juniper Road	Madera County	6105+40	At Grade	None	Road Closure	Local	-	-
Road 8	Madera County	6158+25	At Grade	None	Road Closure	Local	-	-
Road 9 / Hemlock Road	Madera County	6211+00	Over	New	New grade separation & interchange	Minor Arterial	55	60
Road 10	Madera County	6262+50	At Grade	None	Road Closure	Local	-	-
Ash Slough / Chowchilla Bypass	Madera County	6278+00	-	New	New HSR bridge over slough	-	-	-
Road 11	Madera County	6315+50	At Grade	None	Road Closure	Local	-	-
Road 12	Madera County	6368+25	Under	New	New grade separation	Minor / Local	40	45
Road 13	Madera County	6421+00	At Grade	None	Road Closure	Collector	-	-
SR 233 / Robertson Boulevard	Madera County	6462+00	Over	New	New grade separation & interchange	Highway	55	60
Road 14	Madera County	6474+00	At Grade	None	Road Closure	Local	-	-
Road 14 1/2	Madera County	6500+25	At Grade	None	Road Closure	Local	-	-
Road 15	Madera County	6526+50	At Grade	None	Road Closure	Local	-	-
Berenda Slough	Madera County	6547+00	-	New	New HSR bridge over slough	-	-	-
Road 15 1/2	Madera County	6552+00	At Grade	None	Road Closure	Local	-	-
Road 15 3/4	Madera County	6565+00	At Grade	None	Road Closure	Local	-	-
Road 16	Madera County	6578+50	Under	New	New grade separation & interchange	Minor Arterial	55	60

HSR Central Valley Wye Road Matrix

SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE

Crossing Name / Location	County / City	Station	Crossing Configuration (over/under HSR tracks)	Structure Type (Existing/New)	Notes	Road Classification*	Posted Speed**	Recommended Design Speed
Road 16 Connector	Madera County	6580+00	At Grade	None	Road Closure. Rerouted.	Minor / Local	25	25
Road 17	Madera County	6631+50	At Grade	None	Road Closure	Local	-	-
Road 17 1/2	Madera County	6658+00	Over	New	New grade separation	Minor / Local	40	45
Road 18	Madera County	6684+50	At Grade	None	Road Closure	Local	-	-
SR 99	Madera County	6710+00	Under	New	New HSR bridge - no changes to road	Freeway	65	-
UPRR	Madera County	6718+00	Under	New	New HSR bridge over RR	-	-	-
Fairmead Boulevard	Madera County	6719+00	Under	New	New HSR bridge - road realignment	Minor / Local	40	45
Road 18 3/4	Madera County	6724+25	Under	New	New HSR bridge - no changes to road	Local	-	-
Road 19 1/2	Madera County	6764+50	At Grade	None	Road Closure	Local	-	-
Road 20	Madera County	6791+00	Over	New	New grade separation	Minor / Local	40	45
Road 20 1/2	Madera County	6817+75	At Grade	None	Road Closure	Local	-	-
Road 21	Madera County	6845+25	At Grade	None	Road Closure	Local	-	-
Road 22	Madera County	6905+00	Over	New	New grade separation	Collector	55	60
Avenue 22	Madera County	6940+00	At Grade	None	Road Closure	Local	-	-
Berenda Creek	Madera County	7011+25	-	New	New HSR bridge over creek	-	-	-
Road 24	Madera County	7040+00	At Grade	None	Road Closure. Rerouted.	Minor / Local	40	45
Avenue 20 1/2	Madera County	7058+00	Over	New	New grade separation	Collector	55	60
Avenue 20	Madera County	7097+25	At Grade	None	Road Closure. Rerouted.	Minor / Local	25	25
Road 25	Madera County	7116+00	At Grade	None	Road Closure. Rerouted.	Local	25	25
Dry Creek	Madera County	7130+00	-	New	New HSR bridge over creek	-	-	-

HSR Central Valley Wye Road Matrix

SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE

Crossing Name / Location	County / City	Station	Crossing Configuration (over/under HSR tracks)	Structure Type (Existing/New)	Notes	Road Classification*	Posted Speed**	Recommended Design Speed
MERCED TO FRESNO								
Robertson Boulevard	Madera County	15080+00	Under	New	New HSR bridge - no changes to road	Highway	55	-
Valetta Dr	Madera County	15083+00	At Grade	N/A	Road Closure	Local	-	-
Avenue 23 1/2	Madera County	15096+75	Under	New	New HSR bridge - no changes to road	Collector	55	-
Avenue 24	Madera County	15131+50	At Grade	N/A	Road Closure	Minor Arterial	-	-
Avenue 24 1/2	Madera County	15160+00	At Grade	N/A	Road Closure	Local	-	-
Avenue 25	Madera County	15186+50	Under	New	New HSR Underpass	Minor Arterial	55	60
Avenue 25 1/2	Madera County	15214+00	Under	New	New HSR bridge - no changes to road	Local	-	-
Ash Slough	Madera County	15217+00	-	New	New HSR bridge over river	-	-	-
Avenue 26	Madera County	15240+00	At Grade	N/A	Road Closure	Minor Arterial	-	-
Avenue 26 1/2	Madera County	15266+00	Under	New	New HSR bridge - no changes to road	Local	-	-
Chowchilla River	Madera County	15289+00	-	New	New HSR bridge over river	-	-	-
Road 13	Merced County	15311+00	Under	New	New HSR Underpass - road realignment	Collector	55	60
Cross Road	Merced County	15374+50	At Grade	None	Road Closure. Rerouted.	Local	30	35
Dutchman Creek	Merced County	15436+00	-	New	New HSR bridge over creek	-	-	-
Road 11	Merced County	N/A	At Grade	None	Reroute to Sandy Mush Road	Local	30	30
Sandy Mush Road	Merced County	15475+00	Over	New	New HSR Retained Cut	Minor Arterial	55	60
S. Athlone Road	Merced County	15548+00	At Grade	None	Road Closure	Local	-	-
Deadman Creek	Merced County	15576+00	-	New	HSR over creek	-	-	-

HSR Central Valley Wye Road Matrix

SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE

Crossing Name / Location	County / City	Station	Crossing Configuration (over/under HSR tracks)	Structure Type (Existing/New)	Notes	Road Classification*	Posted Speed**	Recommended Design Speed
SAN JOSE TO MERCED								
Avenue 23 1/2	Madera County	36393+00	Over	New	New grade Separation	Collector	55	60
Avenue 24	Madera County	36427+00	At Grade	None	Road Closure	Minor Arterial	-	-
Avenue 24 1/2	Madera County	36455+00	At Grade	None	Road Closure	Local	-	-
Road 13	Madera County	36465+00	At Grade	None	Road Closure. Rerouted.	Collector	55	60

LEGEND:

	HSR on bridge / aerial structure - no impact to road
	HSR on bridge / aerial structure - changes to road profile
	Road Closure/Reroute (road does not continue thru HSR)
	HSR in Trench/Tunnel
	Road Overpass
	Interchange
	HSR on bridge / in tunnel - no changes to waterway

* Roadway Classification is based on Madera County 2040 Roadway Traffic Model, Madera County input, California Road System maps and Caltrans Highway Design Manual.

** Posted Speed is assumed based on observed existing signs and/or roadway classification.

HSR Central Valley Wye Road Matrix

SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE

Crossing Name / Location	County / City	Station	Crossing Configuration (over/under HSR tracks)	Structure Type (Existing/New)	Notes	Road Classification*	Posted Speed**	Recommended Design Speed
SAN JOSE TO FRESNO								
Elgin Road	Merced County	5469+00	At Grade	None	Road Closure	Local	-	-
Henry Miller Road	Merced County	N/A	At Grade	None	Reroute to Indiana Road	Minor Collector	55	60
Loma Avenue	Merced County	5496+00	At Grade	None	Road Closure	Local	-	-
Indiana Road	Merced County	5573+00	Over	New	New grade separation	Collector	55	60
Wood Slough	Merced County	5595+00	-	New	HSR over channel	-	-	-
Willis Road	Merced County	5657+00	Under	New	New HSR bridge - no changes to road	Local	-	-
San Joaquin River	Merced County	5668+00	-	New	New HSR bridge over river	-	-	-
Mariposa Slough	Merced County	5686+00	-	New	New HSR bridge over channel	-	-	-
Harmon Road	Merced County	5724+00	Under	New	New HSR bridge - no changes to road	Local	-	-
Eastside Bypass Channel	Merced County	5778+00	-	New	New HSR bridge over channel	-	-	-
Coyote Road	Merced County	5839+00	At Grade	None	Road Closure. Reroute.	Local	30	35
Red Top Road	Merced County	5889+00	At Grade	None	Road Closure	Local	-	-
Road 3	Madera County	5891+00	At Grade	None	Road Closure	Local	-	-
SR 59	Merced / Madera County	5891+00	Over	New	New grade separation & interchange	Freeway Ramps	45	50
Road 4 / Lincoln Road	Madera County	5946+50	Over	New	New grade separation	Collector	55	60
Road 5	Madera County	5999+25	At grade	None	Road Closure	Local	-	-
Road 6 / Kingwood Road	Madera County	6052+50	At grade	None	Road Closure	Local	-	-
Road 7 / Juniper Road	Madera County	6105+50	At grade	None	Road Closure	Local	-	-
Road 8	Madera County	6158+25	At grade	None	Road Closure	Local	-	-
Road 9 / Hemlock Road	Madera County	6211+00	Over	New	New grade separation & interchange	Minor Arterial	55	60
Road 10	Madera County	6262+50	At Grade	None	Road Closure	Local	-	-
Ash Slough / Chowchilla Bypass	Madera County	6278+00	-	New	New HSR bridge over slough	-	-	-
Road 11	Madera County	6315+50	At Grade	None	Road Closure	Local	-	-
Road 12	Madera County	6368+25	Over	New	New grade separation	Minor / Local	40	45
Road 13	Madera County	6421+00	At Grade	None	Road Closure	Collector	-	-
SR 233 / Robertson Boulevard	Madera County	6461+50	Over	New	New grade separation & interchange	Highway	55	60
Road 14	Madera County	6474+00	At Grade	None	Road Closure	Local	-	-
Road 14 1/2	Madera County	6500+20	At Grade	None	Road Closure	Local	-	-
Road 15	Madera County	6526+50	At Grade	None	Road Closure	Local	-	-
Berenda Slough	Madera County	6547+00	-	New	New HSR bridge over slough	-	-	-
Road 15 1/2	Madera County	6552+00	At Grade	None	Road Closure	Local	-	-
Road 15 3/4	Madera County	6565+20	At Grade	None	Road Closure	Local	-	-
Road 16	Madera County	6578+50	Under	New	New Underpass & Interchange	Minor Arterial	55	60

Crossing Name / Location	County / City	Station	Crossing Configuration (over/under HSR tracks)	Structure Type (Existing/New)	Notes	Road Classification*	Posted Speed**	Recommended Design Speed
Road 16 Connector	Madera County	6580+00	At Grade	None	Road Closure. Rerouted.	Minor / Local	25	25
Road 17	Madera County	6631+70	At Grade	None	Road Closure	Local	-	-
Road 17 1/2	Madera County	6658+00	Under	New	New Underpass	Minor / Local	40	45
Road 18	Madera County	6684+50	At Grade	None	Road Closure	Local	-	-
SR 99	Madera County	6709+50	Under	New	New HSR bridge - no changes to road	Freeway	65	-
UPRR	Madera County	6716+00	Under	New	New HSR bridge over RR	-	-	-
Fairmead Boulevard	Fairmead	6717+00	Under	New	New HSR bridge - road realignment	Minor / Local	40	45
Arc Drive	Fairmead	6719+50	Under	New	New HSR bridge - no changes to road	Local	-	-
Road 18 3/4	Fairmead	6724+50	Under	New	New HSR bridge - no changes to road	Local	-	-
Road 19 1/2	Fairmead	6765+00	At Grade	None	Road Closure	Local	-	-
Avenue 23	Fairmead	6784+00	At Grade	None	Road Closure	Local	-	-
Road 20	Fairmead	6792+00	Under	New	New Underpass	Minor / Local	40	45
Road 20 1/2	Madera County	6820+00	At Grade	None	Road Closure	Local	-	-
Road 22	Madera County	6906+00	Over	New	New grade separation	Collector	55	60
Avenue 22	Madera County	6936+00	At Grade	None	Road closure	Local	-	-
Berenda Creek	Madera County	7010+00	-	New	New HSR bridge over creek	-	-	-
Road 24	Madera County	7039+00	At Grade	New	Road Closure. Rerouted.	Minor / Local	40	45
Avenue 20 1/2	Madera County	7058+00	Over	New	New grade separation	Collector	55	60
Avenue 20	Madera County	7096+50	At Grade	None	Road Closure. Rerouted.	Minor / Local	25	25
Road 25	Madera County	7115+50	At Grade	None	Road Closure. Rerouted.	Local	25	25
Dry Creek	Madera County	7129+00	-	New	New HSR bridge over creek	-	-	-

Crossing Name / Location	County / City	Station	Crossing Configuration (over/under HSR tracks)	Structure Type (Existing/New)	Notes	Road Classification*	Posted Speed**	Recommended Design Speed
MERCED TO FRESNO								
Fairlane Court	Madera County	14825+00	At Grade	None	Road Closure. Reroute to Road 19 1/2	Local	25	25
Road 19 1/2	Madera County	14827+50	At Grade	None	Road Closure. Reroute to Avenue 23 1/2	Local	25	25
Avenue 23 1/2	Madera County	14833+00	Under	New	New HSR Viaduct - no changes to road	Local	-	-
Avenue 24	Madera County	14863+50	Under	New	New HSR Viaduct - no changes to road	Minor Arterial	55	-
Avenue 25	Madera County	14917+00	At Grade	None	Road Closure	Minor / Local	-	-
Berenda Slough	Madera County	14953+00	-	New	New HSR bridge over slough	-	-	-
Avenue 26	Madera County	14970+00	Under	New	New HSR Viaduct - no changes to road	Minor Arterial	55	-
Ash Slough	Madera County	15010+00	-	New	New HSR bridge over river	-	-	-
Road 19	Madera County	15033+00	Under	New	New HSR Viaduct - road realignment	Minor Arterial	55	60
Chowchilla River	Madera County	15111+00	-	New	New HSR bridge over river	-	-	-
Minturn Road / Road 15	Merced County	15280+00	Over	New	New grade separation	Collector	55	60
SR 99 (future)	Merced County	15388+50	Over	New	New HSR Tunnel	Freeway	65	75
Frontage Road (future)	Merced County	15420+00	Over	New	New HSR Tunnel	Freeway	55	60
UPRR	Madera County	15426+00	Over	New	New HSR Tunnel beneath RR	-	-	-
Dutchman Creek	Merced County	15433+00	-	New	New HSR Tunnel beneath creek	-	-	-
Sandy Mush Road	Merced County	15475+00	Over	New	New HSR Retained Cut	Minor Arterial	55	60
Athlone Road	Merced County	15548+00	At Grade	None	Road Closure	Local	-	-
Deadman Creek	Merced County	15576+00	-	New	HSR over creek	-	-	-

Crossing Name / Location	County / City	Station	Crossing Configuration (over/under HSR tracks)	Structure Type (Existing/New)	Notes	Road Classification*	Posted Speed**	Recommended Design Speed
SAN JOSE TO MERCED								
Road 18	Madera County	36686+50	At Grade	None	Road Closure	Local	-	-
UPRR	Madera County	36702+24	Under	New	New HSR bridge over RR	-	-	-
Chowchilla Boulevard	Madera County	36703+50	Under	New	New HSR Viaduct - no changes to road	Collector	55	-
SR 99	Madera County	36709+50	Under	New	New HSR Viaduct - no changes to road	Freeway	65	-
Fairmead Boulevard	Madera County	36712+00	Under	New	New HSR Viaduct - no changes to road	Minor / Local	55	-
Avenue 24	Madera County	36738+00	Under	New	New HSR Viaduct - no changes to road	Minor Arterial	55	-
Sunset Ranch Road	Madera County	36754+00	At Grade	None	Road Closure	Local	-	-
Avenue 24 1/2	Madera County	36767+50	At Grade	None	Road Closure	Local	-	-
Road 19	Madera County	36781+50	At Grade	None	Road Closure	Minor Arterial	-	-

LEGEND:

	HSR on bridge / aerial structure - no impact to road
	HSR on bridge / aerial structure - changes to road profile
	Road Closure/Reroute (road does not continue thru HSR)
	HSR in Trench/Tunnel
	Road Overpass
	Interchange
	HSR on bridge / in tunnel - no changes to waterway

* Roadway Classification is based on Madera County 2040 Roadway Traffic Model, Madera County input, California Road System maps and Caltrans Highway Design Manual.

** Posted Speed is assumed based on observed existing signs and/or roadway classification.

HSR Central Valley Wye Road Matrix

AVENUE 21 TO ROAD 13 WYE ALTERNATIVE

Crossing Name / Location	County / City	Station	Crossing Configuration (over/under HSR tracks)	Structure Type (Existing/New)	Notes	Road Classification*	Posted Speed**	Recommended Design Speed
SAN JOSE TO FRESNO								
Elgin Road	Merced County	5470+00	At Grade	None	Road Closure	Local	-	-
Henry Miller Road	Merced County	N/A	At Grade	None	Reroute to Indiana Road	Minor Collector	55	60
Loma Avenue	Merced County	5496+00	At Grade	None	Road Closure	Local	-	-
Indiana Road	Merced County	5578+00	Over	New	New grade separation	Collector	55	60
Hutchins Road	Merced County	5598+00	At Grade	None	Road Closure. Rerouted	Local	30	30
Willis Road	Merced County	5667+00	At Grade	None	Road Closure	Local	-	-
San Joaquin River	Merced County	5723+00	-	New	New HSR bridge over river	-	-	-
Mariposa Slough	Merced County	5743+00	-	New	New HSR bridge over channel	-	-	-
SR 152	Merced County	5766+00	Under	New	New HSR bridge - no changes to road	Highway	65	-
Flanagan Road	Merced County	5805+00	Under	New	New HSR bridge - no changes to road	Collector	55	-
Eastside Bypass Channel	Merced County	5890+00	-	New	New HSR bridge over channel	-	-	-
Road 3	Madera County	5914+00	At Grade	None	Road Closure	Local	-	-
Road 4 / Lincoln Road	Madera County	5969+00	Over	New	New grade separation	Collector	55	60
Road 6 / Kingwood Road	Madera County	6074+00	At Grade	None	Road Closure	Local	-	-
Road 7 / Juniper Road	Madera County	6126+00	Under	New	New HSR bridge - no changes to road	Local	-	-
Ash Slough / Chowchilla Bypass	Madera County	6135+00	-	New	New HSR bridge over slough	-	-	-
Road 8	Madera County	6180+00	At Grade	None	Road Closure	Local	-	-
Road 9 / Hemlock Road	Madera County	6233+00	Over	New	New grade separation	Minor Arterial	55	60
Road 10	Madera County	6285+00	At Grade	None	Road Closure	Local	-	-
Road 11	Madera County	6338+00	At Grade	None	Road Closure	Local	-	-
Robertson Boulevard	Madera County	6410+00	Over	New	New grade separation	Collector	55	60
Avenue 21	Madera County	6425+00	At Grade	None	Road Closure. Rerouted	Collector	55	60
Road 14	Madera County	6496+00	Under	New	New HSR bridge - no changes to road	Collector	55	-
Berenda Slough	Madera County	6520+00	-	New	New HSR bridge over slough	-	-	-
Road 15	Madera County	6550+00	At Grade	None	Road Closure	Local	-	-
Road 15 1/2	Madera County	6575+00	At Grade	None	Road Closure	Local	-	-
Road 16	Madera County	6601+00	Over	New	New grade separation	Minor Arterial	55	60
Road 18 1/2	Madera County	6733+00	At Grade	None	Road Closure	Local	-	-
Road 19	Madera County	6760+00	Over	New	New grade separation	Collector	55	60
Road 19 1/2	Madera County	6786+00	At Grade	None	Road Closure	Local	-	-
Road 20	Madera County	6812+00	Under	None	New HSR bridge - no changes to road	Minor / Local	40	45

Crossing Name / Location	County / City	Station	Crossing Configuration (over/under HSR tracks)	Structure Type (Existing/New)	Notes	Road Classification*	Posted Speed**	Recommended Design Speed
Golden State Boulevard	Madera County	6845+00	Under	None	New HSR bridge - no changes to road	Collector	55	-
SR 99	Madera County	6847+00	Under	None	New aerial viaduct - no changes to road	Freeway	65	-
UPRR	Madera County	6849+00	Under	None	New aerial viaduct - no changes to UPRR	-	-	-
Fairmead Boulevard	Madera County	6850+00	Under	None	New HSR bridge - Road Rerouted	Minor / Local	40	45
Avenue 21	Madera County	6852+00	At Grade	None	Road Closure	Local	-	-
Road 21	Madera County	6866+00	At Grade	None	Road Closure	Local	-	-
Road 22	Madera County	6918+00	Over	New	New grade separation	Collector	55	60
Avenue 20 1/2	Madera County	7007+00	Over	New	New grade separation	Collector	55	60
Road 24	Madera County	7033+00	At Grade	None	Road Closure. Rerouted	Minor / Local	40	45
Avenue 20	Madera County	7064+00	At Grade	None	Road Closure	Minor / Local	-	-
Road 25	Madera County	7097+00	At Grade	None	Road Closure. Rerouted	Minor / Local	25	25
Dry Creek	Madera County	7107+00	-	New	New HSR bridge over creek	-	-	-

Crossing Name / Location	County / City	Station	Crossing Configuration (over/under HSR tracks)	Structure Type (Existing/New)	Notes	Road Classification*	Posted Speed**	Recommended Design Speed
MERCED TO FRESNO								
Berenda Slough	Madera County	14945+00	-	New	New HSR bridge over slough	-	-	-
Road 14	Madera County	14971+00	Under	New	New HSR bridge - New Underpass	Collector	55	60
Avenue 21 1/2	Madera County	14991+00	Over	New	New Grade separation	Collector	55	60
Avenue 22	Madera County	15029+00	At Grade	None	Road Closure	Local	-	-
Robertson Boulevard	Madera County	15037+00	Under	New	New HSR bridge - no changes to road	Collector	55	-
Avenue 22 1/2	Madera County	15054+00	Under	New	New HSR bridge - no changes to road	Local	-	-
SR 152 / Avenue 23	Madera County	15080+00	Under	New	New HSR bridge - no changes to road	Highway	55	-
Avenue 23 1/2	Madera County	15106+00	At Grade	None	Road Closure	Collector	-	-
Avenue 24	Madera County	15134+00	At Grade	None	Road Closure	Minor Arterial	45	50
Avenue 24 1/2	Madera County	15160+00	At Grade	None	Road Closure	Local	-	-
Avenue 25	Madera County	15187+00	Under	New	New HSR bridge - New Underpass	Minor Arterial	55	60
Avenue 25 1/2	Madera County	15213+00	Under	New	New HSR bridge - no changes to road	Local	-	-
Ash Slough / Chowchilla Bypass	Madera County	15215+00	-	New	New HSR bridge over slough	-	-	-
Avenue 26	Madera County	15240+00	At Grade	None	Road Closure	Minor Arterial	-	-
Avenue 26 1/2	Madera County	15265+00	Under	New	New HSR bridge - no changes to road	Local	-	-
Chowchilla River	Merced County	15290+00	-	New	New HSR bridge over river	-	-	-
Road 13 (Vista Avenue)	Merced County	15310+00	Under	New	New HSR bridge - realigned road	Collector	55	60
Cross Road	Merced County	15375+00	At Grade	None	Road Closure. Rerouted	Local	30	35
Dutchman Creek	Merced County	15436+00	-	New	New aerial viaduct	-	-	-
Road 11	Merced County	N/A	At Grade	None	Reroute to Sandy Mush Road	Local	30	30
Sandy Mush Road	Merced County	15475+00	Over	New	New HSR Retained Cut	Minor Collector	55	60
S. Athlone Road	Merced County	15548+00	At Grade	None	Road Closure	Local	-	-
Deadman Creek	Merced County	15576+00	-	New	HSR over creek	-	-	-

Crossing Name / Location	County / City	Station	Crossing Configuration (over/under HSR tracks)	Structure Type (Existing/New)	Notes	Road Classification*	Posted Speed**	Recommended Design Speed
SAN JOSE TO MERCED								
Avenue 21 1/2	Madera County	36407+00	Over	New	New grade Separation	Collector	55	60
Avenue 22	Madera County	36449+00	At Grade	None	Road Closure	Local	-	-
Avenue 22 1/2	Madera County	36478+00	Under	New	New aerial viaduct - no changes to road	Local	-	-
Road 13	Madera County	36490+00	At Grade	None	Road Closure	Collector	-	-

LEGEND:

	HSR on bridge / aerial structure - no impact to road
	HSR on bridge / aerial structure - changes to road profile
	Road Closure/Reroute (road does not continue thru HSR)
	HSR in Trench/Tunnel
	Road Overpass
	Interchange
	HSR on bridge / in tunnel - no changes to waterway

* Roadway Classification is based on Madera County 2040 Roadway Traffic Model, Madera County input, California Road System maps and Caltrans Highway Design Manual.

** Posted Speed is assumed based on observed existing signs and/or roadway classification.

HSR Central Valley Wye Road Matrix

SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE

Crossing Name / Location	County / City	Station	Crossing Configuration (over/under HSR tracks)	Structure Type (Existing/New)	Notes	Road Classification*	Posted Speed**	Recommended Design Speed
SAN JOSE TO FRESNO								
Elgin Road	Merced County	5469+00	At Grade	None	Road Closure	Local	-	-
Henry Miller Road	Merced County	N/A	At Grade	None	Reroute to Indiana Road	Minor Collector	55	60
Loma Avenue	Merced County	5496+00	At Grade	None	Road Closure	Local	-	-
Indiana Road	Merced County	5573+00	Over	New	New grade separation	Collector	55	60
Wood Slough	Merced County	5595+00	-	New	New HSR bridge over channel	-	-	-
Willis Road	Merced County	5657+00	Under	New	New HSR bridge - no changes to road	Local	-	-
San Joaquin River	Merced County	5668+00	-	New	New HSR bridge over river	-	-	-
Mariposa Slough	Merced County	5686+00	-	New	New HSR bridge over channel	-	-	-
Harmon Road	Merced County	5724+00	Under	New	New HSR bridge - no changes to road	Local	-	-
Eastside Bypass Channel	Merced County	5778+00	-	New	New HSR bridge over channel	-	-	-
Coyote Road	Merced County	5839+00	At Grade	None	Road Closure. Rerouted.	Local	30	35
Red Top Road	Merced County	5889+00	At Grade	None	Road Closure	Local	-	-
Road 3	Madera County	5891+00	At Grade	None	Road Closure	Local	-	-
SR 59	Merced / Madera County	5891+00	Over	New	New grade separation & interchange	Freeway Ramps	45	50
Road 4 / Lincoln Road	Madera County	5946+40	Over	New	New grade separation	Collector	55	60
Road 5	Madera County	5999+00	At Grade	None	Road Closure	Local	-	-
Road 6 / Kingwood Road	Madera County	6052+50	At Grade	None	Road Closure	Local	-	-
Road 7 / Juniper Road	Madera County	6105+00	At Grade	None	Road Closure	Local	-	-
Road 8	Madera County	6158+00	At Grade	None	Road Closure	Local	-	-
Road 9 / Hemlock Road	Madera County	6211+00	Under	New	New grade separation & interchange	Minor Arterial	55	60
Road 10	Madera County	6262+50	At Grade	None	Road Closure	Local	-	-
Ash Slough / Chowchilla Bypass	Madera County	6278+00	-	New	New HSR bridge over slough	-	-	-
Road 11	Madera County	6315+50	At Grade	None	Road Closure	Local	-	-
Road 12	Madera County	6368+25	Under	New	New grade separation	Minor / Local	40	45
Road 13	Madera County	6421+00	At Grade	None	Road Closure	Collector	-	-
SR 233 / Robertson Boulevard	Madera County	6462+00	Over	New	New grade separation & interchange	Highway	55	60
Road 14	Madera County	6474+00	At Grade	None	Road Closure	Local	-	-
Road 14 1/2	Madera County	6500+25	At Grade	None	Road Closure	Local	-	-
Road 15	Madera County	6526+50	At Grade	None	Road Closure	Local	-	-
Berenda Slough	Madera County	6547+00	-	New	New HSR bridge over slough	-	-	-
Road 15 1/2	Madera County	6552+00	At Grade	None	Road Closure	Local	-	-
Road 15 3/4	Madera County	6565+00	At Grade	None	Road Closure	Local	-	-
Road 16	Madera County	6578+50	Under	New	New grade separation & interchange	Minor Arterial	55	60

Crossing Name / Location	County / City	Station	Crossing Configuration (over/under HSR tracks)	Structure Type (Existing/New)	Notes	Road Classification*	Posted Speed**	Recommended Design Speed
Road 16 Connector	Madera County	6580+00	At Grade	None	Road Closure. Rerouted.	Minor / Local	25	25
Road 17	Madera County	6631+50	At Grade	None	Road Closure	Local	-	-
Road 17 1/2	Madera County	6658+00	Over	New	New grade separation	Minor / Local	40	45
Road 18	Madera County	6684+50	At Grade	None	Road Closure	Local	-	-
SR 99	Madera County	6710+00	Under	New	New HSR bridge - no changes to road	Freeway	65	-
UPRR	Madera County	6718+00	Under	New	New HSR bridge over RR	-	-	-
Fairmead Boulevard	Madera County	6719+00	Under	New	New HSR bridge - road realignment	Minor / Local	40	45
Road 18 3/4	Madera County	6724+25	Under	New	New HSR bridge - no changes to road	Local	-	-
Road 19 1/2	Madera County	6764+50	At Grade	None	Road Closure	Local	-	-
Road 20	Madera County	6791+00	Over	New	New grade separation	Minor / Local	40	45
Road 20 1/2	Madera County	6817+75	At Grade	None	Road Closure	Local	-	-
Road 21	Madera County	6845+25	At Grade	None	Road Closure	Local	-	-
Road 22	Madera County	6905+00	Over	New	New grade separation	Collector	55	60
Avenue 22	Madera County	6940+00	At Grade	None	Road Closure	Local	-	-
Berenda Creek	Madera County	7011+25	-	New	New HSR bridge over creek	-	-	-
Road 24	Madera County	7040+00	At Grade	None	Road Closure. Rerouted.	Minor / Local	40	45
Avenue 20 1/2	Madera County	7058+00	Over	New	New grade separation	Collector	55	60
Avenue 20	Madera County	7097+25	At Grade	None	Road Closure. Rerouted.	Minor / Local	25	25
Road 25	Madera County	7116+00	At Grade	None	Road Closure. Rerouted.	Local	25	25
Dry Creek	Madera County	7130+00	-	New	New HSR bridge over creek	-	-	-

Crossing Name / Location	County / City	Station	Crossing Configuration (over/under HSR tracks)	Structure Type (Existing/New)	Notes	Road Classification*	Posted Speed**	Recommended Design Speed
MERCED TO FRESNO								
Road 12	Madera County	15121+00	Under	New	New HSR bridge - no changes to road	Minor / Local	40	45
Avenue 23 1/2	Madera County	15138+00	Under	New	New HSR bridge - no changes to road	Collector	55	60
Avenue 24	Madera County	15174+00	At Grade	None	Road Closure.	Local	-	-
Ash Slough	Madera County	15184+00	-	New	New HSR bridge over river	-	-	-
Avenue 25	Madera County	15229+00	Under	New	New grade separation	Minor Arterial	55	60
Avenue 25 1/2	Madera County	15255+00	At Grade	None	Road Closure.	Local	-	-
Chowchilla River	Madera County	15269+00	-	New	New HSR bridge over river	-	-	-
Avenue 26	Madera County	15282+00	Under	N/A	New HSR bridge - no changes to road	Minor Arterial	-	-
Dutchman Creek	Merced County	15482+00	-	New	New HSR bridge over creek	-	-	-
Sandy Mush Road	Merced County	15495+00	Under	New	New HSR bridge - no changes to road	Minor Arterial	55	60
S. Athlone Road	Merced County	15517+00	At Grade	None	Road Closure. Rerouted.	Local	45	50
Deadman Creek	Merced County	15577+00	-	New	New HSR bridge over creek	-	-	-
Deadman Creek	Merced County	15583+00	-	New	New HSR bridge over creek	-	-	-

Crossing Name / Location	County / City	Station	Crossing Configuration (over/under HSR tracks)	Structure Type (Existing/New)	Notes	Road Classification*	Posted Speed**	Recommended Design Speed
SAN JOSE TO MERCED								
Road 10	Madera County	36266+00	At Grade	None	Road Closure. Rerouted.	Collector	40	45
Avenue 23 1/2	Madera County	36274+00	Over	New	New grade separation	Collector	55	60
Avenue 24	Madera County	36312+00	At Grade	None	Road Closure	Local	-	-
Road 11	Merced County	36365+00	Under	New	New grade separation	Collector	30	30

LEGEND:

	HSR on bridge / aerial structure - no impact to road
	HSR on bridge / aerial structure - changes to road profile
	Road Closure/Reroute (road does not continue thru HSR)
	HSR in Trench/Tunnel
	Road Overpass
	Interchange
	HSR on bridge / in tunnel - no changes to waterway

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