

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

† These locations have a change in access to SR 152 that differs from the 1969 Freeway Agreement for SR 152. The SR 152 Freeway Agreement will need to be updated to reflect these access changes.

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	-
Valeta 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.

† These locations have a change in access to SR 152 that differs from the 1969 Freeway Agreement for SR 152. The SR 152 Freeway Agreement will need to be updated to reflect these access changes.

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.

† These locations have a change in access to SR 152 that differs from the 1969 Freeway Agreement for SR 152. The SR 152 Freeway Agreement will need to be updated to reflect these access changes.

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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