

APPENDIX 3.1-C: COMPARISON OF CENTRAL VALLEY WYE MITIGATION MEASURES AND MERCED TO FRESNO FINAL EIR/EIS MITIGATION MEASURES

This appendix correlates the mitigation measures from the *Merced to Fresno Section: Central Valley Wye Draft Supplemental Environmental Impact Report (EIR)/Supplemental Environmental Impact Statement (EIS)* (Draft Supplemental EIR/EIS) with the project design features and mitigation measures in the *Merced to Fresno Section Final EIR/EIS* (Merced to Fresno Final EIR/EIS) (Authority and FRA 2012). This information is intended to help the reader understand the origin and relationship of the Central Valley Wye alternatives mitigation commitments included in this Draft Supplemental EIR/EIS to the mitigation measures included in the Merced to Fresno Final EIR/EIS from 2012.

Table 1 is organized as the information is presented in this Draft Supplemental EIR/EIS, allowing the reader to see the relationship of the mitigation measures for each resource topic to mitigation measures presented in the Merced to Fresno Final EIR/EIS. In some cases, the titles of mitigation measures have been renamed or renumbered. Though not presented in Table 1, for some measures that occur in both documents the mitigation text has been modified to make it applicable to the Central Valley Wye alternatives. Additionally, some of the mitigation measures from the Merced to Fresno Final EIR/EIS are now included in the statewide project design as impact avoidance and minimization features (IAMF)—standard practices, actions, and design features the Authority and FRA would incorporate into the Central Valley Wye alternatives design. For more information on the IAMFs, please refer to Chapter 2 Alternatives, and Appendix 2-B: California High-Speed Rail: Impact Avoidance and Minimization Features.

Table 1 Comparison of the Merced to Fresno Final EIR/EIS Mitigation Measures to the Central Valley Wye Draft Supplemental EIR/EIS Mitigation Measures

Merced to Fresno Final EIR/EIS Mitigation Measures	Central Valley Wye Draft Supplemental EIR/EIS Mitigation Measures
Air Quality and Global Climate Change	
AQ-MM#1 Reduce Criteria Exhaust Emissions from Construction Equipment	Same
AQ-MM#2 Reduce Criteria Exhaust Emissions from On-Road Construction Vehicles	Same
AQ-MM#3 Reduce the Potential Impact of Concrete Batch Plants	Same
AQ-MM#4 Offset Construction Emissions through a SJVAPCD VERA	Renamed: AQ-MM#4 Offset Project Construction Emissions through an SJVAPCD Voluntary Emission Reduction Agreement (VERA)
AQ-MM#5 Purchase Offsets and Off-Site Emission Mitigation for Emissions Associated with Hauling Ballast Material in the BAAQMD and SCAQMD Air Districts	Renamed: AQ-MM#5 Purchase Offsets and Off-Site Emission Mitigation for Emissions Associated with Hauling Ballast Material in Certain Air Districts
Noise and Vibration	
NV-MM#1 Construction Noise Mitigation Measures	Same
NV-MM#6 Additional Noise Analysis During Final Design	Renumbered: NV-MM#2 Additional Noise Analysis During Final Design
NV-MM#3 Implement Proposed California High-Speed Train Project Noise and Vibration Mitigation Guidelines	Same
NV-MM#4 Vehicle Noise Specification	Same

Merced to Fresno Final EIR/EIS Mitigation Measures	Central Valley Wye Draft Supplemental EIR/EIS Mitigation Measures
Biological Resources and Wetlands	
BIO-MM#18 Prepare and Implement Plan for Salvage, Relocation, and/or Propagation of Special-Status Plant Species	Renumbered: BIO-MM#2 Prepare and Implement Plan for Salvage, Relocation, and/or Propagation of Special-Status Plant Species
BIO-MM#60 Off-Site Habitat Restoration, Enhancement, and Preservation	Renumbered: BIO-MM#4 Off-Site Habitat Restoration, Enhancement, and Preservation
BIO-MM#19: Conduct Pre-Construction Sampling and Assessment for Vernal Pool Fauna.	Renumbered: BIO-MM#5 Conduct Pre-Construction Sampling and Assessment for Vernal Pool Fauna
BIO-MM#20 Seasonal Vernal Pool Work Restriction	Renumbered: BIO-MM#6 Seasonal Vernal Pool Work Restriction
BIO-MM#21 Implement and Monitor Vernal Pool Protection	Renumbered: BIO-MM#7 Implement and Monitor Vernal Pool Protection
BIO-MM#25 Conduct Emergence and Larval Surveys for Western Spadefoot	Renumbered: BIO-MM#13 Conduct Emergence and Larval Surveys for Western Spadefoot
BIO-MM#26 Conduct Western Pond Turtle Pre-Construction Surveys and Relocation	Renumbered: BIO-MM#16 Conduct Western Pond Turtle Pre-Construction Surveys and Relocation
BIO-MM#27 Conduct Western Pond Turtle Monitoring	Renumbered: BIO-MM#17 Conduct Western Pond Turtle Monitoring
BIO-MM#28 Implement Western Pond Turtle Avoidance and Relocation	Renumbered: BIO-MM#18 Implement Western Pond Turtle Avoidance and Relocation
BIO-MM#29 Conduct Pre-construction Surveys and Monitoring for Raptors	Renumbered: BIO-MM#24 Conduct Pre-construction Surveys and Monitoring for Raptors
BIO-MM#32 Conduct Protocol and Pre-construction Surveys for Swainson's Hawks	Renumbered: BIO-MM#26 Conduct Protocol and Pre-construction Surveys for Swainson's Hawks
BIO-MM#33 Swainson's Hawk Nest Avoidance and Monitoring	Renumbered: BIO-MM#27 Swainson's Hawk Nest Avoidance and Monitoring
BIO-MM#34 Monitor Removal of Nest Trees for Swainson's Hawks	Renumbered: BIO-MM#28 Monitor Removal of Nest Trees for Swainson's Hawks
BIO-MM#35 Conduct Protocol-level Surveys for Burrowing Owls	Renumbered: BIO-MM#29 Conduct Protocol-level Surveys for Burrowing Owls
BIO-MM#36 Burrowing Owl Avoidance and Minimization	Renumbered: BIO-MM#30 Burrowing Owl Avoidance and Minimization
BIO-MM#37 Conduct Pre-construction Surveys for Special-Status Bat Species	Renumbered: BIO-MM#31 Conduct Pre-construction Surveys for Special-Status Bat Species
BIO-MM#38 Bat Avoidance and Relocation	Renumbered: BIO-MM#32 Bat Avoidance and Relocation
BIO-MM#39 Bat Exclusion and Deterrence	Renumbered: BIO-MM#33 Bat Exclusion and Deterrence
BIO-MM#40 Conduct Pre-Construction Surveys for American Badger and Ringtail	Renumbered: BIO-MM#34 Conduct Pre-Construction Surveys for American Badger and Ringtail
BIO-MM#41 American Badger and Ringtail Avoidance	Renumbered: BIO-MM#35 American Badger and Ringtail Avoidance

Merced to Fresno Final EIR/EIS Mitigation Measures	Central Valley Wye Draft Supplemental EIR/EIS Mitigation Measures
BIO-MM#42 Conduct Protocol-level Pre-construction Surveys for San Joaquin Kit Fox	Renumbered: BIO-MM#36 Conduct Protocol-level Pre-construction Surveys for San Joaquin Kit Fox
BIO-MM#43 Minimize Impacts on San Joaquin Kit Fox	Renumbered: BIO-MM#37 Minimize Impacts on San Joaquin Kit Fox
BIO-MM#48 Construction in Wildlife Movement Corridors	Renumbered: BIO-MM#38 Construction in Wildlife Movement Corridors
BIO-MM#52 Compensate for Impacts on California Tiger Salamander	Renumbered: BIO-MM#48 Compensate for Impacts on California Tiger Salamander
BIO-MM#55 Compensate for Loss of Burrowing Owl Active Burrows and Habitat	Renumbered: BIO-MM#51 Compensate for Loss of Burrowing Owl Active Burrows and Habitat
Hazardous Materials and Wastes	
HMW-MM#1 #1 Limit Use of Extremely Hazardous Materials Near Schools	Same
Socioeconomics and Communities	
SOC-MM#3 Implement Measures to Reduce Impacts Associated with the Division of Residential Neighborhoods	Renumbered: SOC-MM#1 Implement Measures to Reduce Impacts Associated with the Division of Residential Neighborhoods
Agricultural Farmland	
AG-MM#1 Preserve the Total Amount of Prime Farmland, Farmland of Statewide Importance, Farmland of Local Importance, and Unique Farmland	Renamed: AG-MM#1 Conserve Important Farmland (Prime Farmland, Farmland of Statewide Importance, Farmland of Local Importance, and Unique Farmland)
Aesthetics and Visual Resources	
AVR-MM#1 Minimize Visual Disruption During Construction and from Construction Activities	Renamed: AVR-MM#1 Minimize Visual Disruption from Construction Activities
AVR-MM #2 Minimize Light Disturbance During Construction	Same
AVR-MM#3 Incorporate Design Criteria for Elevated and Station Elements That Can Adapt to Local Context	Renamed: AVR-MM#3 Incorporate Design Criteria for Elevated Guideways and Station Elements That Can Adapt to Local Context
AVR-MM#4 Replant Unused Portions of Lands Acquired for the HST	Renumbered: AVR-MM#5 Replant Unused Portions of Lands Acquired for the HSR
Cultural Resources	
CUL-MM#2 Halt work in the Event of an Archaeological Discovery	Renamed; Renumbered: CUL-MM#3 Halt Work in the Event of an Archaeological Discovery and Comply with the PA, MOA, ATP, and all State and Federal Laws, as applicable

Source: Authority and FRA, 2018.

References

Authority California High-Speed Rail Authority
FRA Federal Railroad Administration

California High-Speed Rail Authority and Federal Railroad Administration (Authority and FRA).
2012. *Merced to Fresno Section Final Environmental Impact Report/Environmental
Impact Statement.*