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Appendix 17E
Permanent Features

Appendix 17E
Permanent Features

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Table 17E-1. Permanent Features^a Remaining after Construction is Complete that Would Result in Adverse Visual Effects on Foreground Views^b

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Intake 1 with pumping plant and 69 kV transmission lines, including realignment of SR 160 (Pipeline/Tunnel and East Alignment)	1A, 1B, 2A, 2B, 3, 5, 6A, 6B	Recreationists	<u>Water-based^d</u> : Sacramento River, within post miles (PM ^e) for SR 160 <u>Cyclists</u> : SR 160: PM 31–32.75 CH E9, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160: PM 31–32.75 CH E9, within PM opposite SR 160	
		Residences and Businesses	Along SR 160: PM 31–32.75 Along CH E9, within PM opposite SR 160 Southeast of Intake 1 and north of spoil/borrow area	
Intake 1 with sedimentation basins and 69 kV transmission lines, including realignment of SR 160 (Modified Pipeline/Tunnel)	2D	Recreationists	<u>Water-based</u> : Sacramento River, within post miles (PM ^e) for SR 160 <u>Cyclists</u> : SR 160: PM 31–32.75 CH E9, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160: PM 31–32.75 CH E9, within PM opposite SR 160	
		Residences and Businesses	Along SR 160: PM 31–32.75 Along CH E9, within PM opposite SR 160 Southeast of Intake 1 and north of spoil/borrow area	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Intake W1 with pumping plant and 69 kV transmission lines, including realignment of CH E9 (West Alignment)	1C, 2C, 6C	Recreationists	<u>Water-based:</u> Sacramento River, within PM for SR 160 <u>Cyclists:</u> SR 160: PM 31.25–32.25 CH E9, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160: PM 31.25–32.25 CH E9, within PM opposite SR 160	
		Residences and Businesses	Along SR 160: PM 31.25–32.25 Along CH E9, within PM opposite SR 160 Southeast of Intake 1 and north of spoil/borrow area	
Intake 2 with pumping plant and 69 kV transmission lines, including realignment of SR 160 (Pipeline/Tunnel and East Alignment)	1A, 1B, 2A, 2B, 3, 6A, 6B, 7, 8	Recreationists	<u>Water-based:</u> Sacramento River, within PM for SR 160 <u>Cyclists:</u> SR 160: PM 29.75–30.5 CH E9, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160: 29.75–30.5 CH E9, within PM opposite SR 160 Scribner Road: SR 160 to end	
		Residences and Businesses	Along SR 160: 29.75–30.5 Along CH E9, within PM opposite SR 160 Along Scribner Road: SR 160 to end	
Intake 2 with sedimentation basins and 69 kV transmission lines, including realignment of SR 160 (Modified Pipeline/Tunnel)	2D, 4, 4A, 5D	Recreationists	<u>Water-based:</u> Sacramento River, within PM for SR 160 <u>Cyclists:</u> SR 160: PM 29.75–30.5 CH E9, within PM opposite SR 160	
		Roadway Travelers	SR 160: 29.75–30.5 CH E9, within PM opposite SR 160 Scribner Road: SR 160 to end	
		Residences and Businesses	Along SR 160: 29.75–30.5 Along CH E9, within PM opposite SR 160 Along Scribner Road: SR 160 to end	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Intake W2 with pumping plant and 69 kV transmission lines, including realignment of CH E9 (West Alignment)	1C, 2C, 6C	Recreationists	<u>Water-based:</u> Sacramento River, within PM for SR 160 <u>Cyclists:</u> SR 160: PM 29.75–30.5 CH E9, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160: 29.75–30.5 CH E9, within PM opposite SR 160 Scribner Road: SR 160 to end	
		Residences and Businesses	Along SR 160: 29.75–30.5 Along CH E9, within PM opposite SR 160	
Intake 3 with pumping plant and 69 kV transmission lines, including realignment of SR 160 (Pipeline/Tunnel and East Alignment)	1A, 1B, 2A, 2B, 6A, 6B, 7, 8	Recreationists	<u>Water-based:</u> Sacramento River, within PM for SR 160 <u>Cyclists:</u> SR 160 PM 26.75–27.25 CH E9, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160: PM 26.75–27.25 CH E9, within PM opposite SR 160 <i>Northern end of 3rd, 4th, 5th, and 8th Streets^f</i> <i>Hood Franklin Road: 8th Street to Southern Pacific Railroad</i>	
		Residences and Businesses	Along SR 160: PM 26.75–27.25 Along CH E9, within PM opposite SR 160 <i>Hood: Northern end of 3rd, 4th, 5th, and 8th Streets and northern end of mobile home park</i>	
Intake 3 with sedimentation basins and 69 kV transmission lines, including realignment of SR 160 (Modified Pipeline/Tunnel)	2D, 4, 4A	Recreationists	<u>Water-based:</u> Sacramento River, within PM for SR 160 <u>Cyclists:</u> SR 160 PM 26.75–27.25 CH E9, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160: PM 26.75–27.25 CH E9, within PM opposite SR 160 <i>Northern end of 3rd, 4th, 5th, and 8th Streets^f</i> <i>Hood Franklin Road: 8th Street to Southern Pacific Railroad</i>	
		Residences and Businesses	Along SR 160: PM 26.75–27.25 Along CH E9, within PM opposite SR 160 <i>Hood: Northern end of 3rd, 4th, 5th, and 8th Streets and northern end of mobile home park</i>	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Intake W3 with pumping plant and 69 kV transmission lines, including realignment of CH E9 (West Alignment)	1C, 2C, 6C	Recreationists	<u>Water-based:</u> Sacramento River, within PM for SR 160 Clarksburg fishing access opposite SR 160 PM 27.25 <u>Cyclists:</u> SR 160 PM 26.5–28 CH E9, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160: PM 26.5–28 CH E9, within PM opposite SR 160	
		Residences and Businesses	Along SR 160: PM 26.5–28 Along CH E9, within PM opposite SR 160	
Intake 4 with pumping plant and 69 kV transmission lines, including realignment of SR 160 (Pipeline/Tunnel and East Alignment)	1A, 1B, 2A, 2B, 6A, 6B	Recreationists	<u>Water-based:</u> Sacramento River, within PM for SR 160 <u>Cyclists:</u> SR 160 PM 25.25–26.25 CH E9, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160: PM 25.25–26.25 CH E9, within PM opposite SR 160 Hood Franklin Road	
		Residences and Businesses	Along SR 160: PM 25.25–26.25 Along CH E9, within PM opposite SR 160 Along west side of 3 rd Street in Hood	
Intake 4 with sedimentation basins and 69 kV transmission lines, including realignment of SR 160 (Modified Pipeline/Tunnel)	2D	Recreationists	<u>Water-based:</u> Sacramento River, within PM for SR 160 <u>Cyclists:</u> SR 160 PM 25.25–26.25 CH E9, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160: PM 25.25–26.25 CH E9, within PM opposite SR 160 Hood Franklin Road	
		Residences and Businesses	Along SR 160: PM 25.25–26.25 Along CH E9, within PM opposite SR 160 Along west side of 3 rd Street in Hood	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Intake W4 with pumping plant and 69 kV transmission lines, including realignment of CH E9 (West Alignment)	1C, 2C, 6C	Recreationists	<u>Water-based:</u> Sacramento River, within PM for SR 160 <u>Cyclists:</u> SR 160 PM 24–25.25 CH E9, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160: PM 24–25.25 CH E9, within PM opposite SR 160	
		Residences and Businesses	Along SR 160: PM 24–25.25 Along CH E9, within PM opposite SR 160 Along west side of 3 rd Street in Hood	
Intake 5 with pumping plant and 69 kV transmission lines, including realignment of SR 160 (Pipeline/Tunnel and East Alignment)	1A, 6A, 7, 8	Recreationists	<u>Water-based:</u> Sacramento River, within PM for SR 160 <u>Cyclists:</u> SR 160 PM 24–25.25 CH E9, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160: PM 24–25.25 CH E9, within PM opposite SR 160	
		Residences and Businesses	Along SR 160: PM 24–25.25 Along CH E9, within PM opposite SR 160 Along west side of 3 rd Street in Hood	
Intake 5 with sedimentation basins and 69 kV transmission lines, including realignment of SR 160 (Modified Pipeline/Tunnel)	2D, 4, 4A	Recreationists	<u>Water-based:</u> Sacramento River, within PM for SR 160 <u>Cyclists:</u> SR 160 PM 24–25.25 CH E9, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160: PM 24–25.25 CH E9, within PM opposite SR 160	
		Residences and Businesses	Along SR 160: PM 24–25.25 Along CH E9, within PM opposite SR 160 Along west side of 3 rd Street in Hood	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Intake W5 with pumping plant and 69 kV transmission lines, including realignment of CH E9 (West Alignment)	1C, 2C, 6C	Recreationists	<u>Water-based:</u> Sacramento River, opposite SR 160 PM 22.5–24.25 <u>Cyclists:</u> CH E9, opposite SR 160 PM 22.5–24.25	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	CH E9, opposite SR 160 PM 22.5–24.25	
		Residences and Businesses	Along CH E9, opposite SR 160 PM 22.5–24.25 Business along Randall Island Road	
Intake 6 with pumping plant and 69 kV transmission lines, including realignment of SR 160 (Pipeline/Tunnel and East Alignment)	2A, 2B	Recreationists	<u>Water-based:</u> Sacramento River, within PM for SR 160 <u>Cyclists:</u> SR 160 PM 18–19.5 River Road, opposite SR 160 PM 18–19.25	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160: PM 18–19.5 River Road, opposite SR 160 PM 18–19.25	
		Residences and Businesses	Along SR 160: PM 18–19.5 River Road, opposite SR 160 PM 18–19.25	
Intake 7 with pumping plant and 69 kV transmission lines, including realignment of SR 160 (Pipeline/Tunnel and East Alignment)	2A, 2B	Recreationists	<u>Water-based:</u> Sacramento River, within PM for SR 160 <u>Cyclists:</u> SR 160 PM 16.75–18.25 River Road, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160: PM 16.75–18.25 River Road, within PM opposite SR 160	
		Residences and Businesses	Along SR 160: PM 16.75–18.25 River Road, within PM opposite SR 160	
Intermediate Forebay with pumping plant and 69 kV transmission lines (Pipeline/Tunnel Alignment)	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	<u>Cyclists, Runners, Pedestrians:</u> SR 160 PM 24.25–25.77 Lambert Road <u>Water-based:</u> Elk Slough and Snodgrass Slough	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160: PM 24.25–25.77 Lambert Road	
		Residences and Businesses	Along SR 160: PM 24.25–25.77	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Intermediate Forebay with outlet structure and 69 kV transmission lines (Modified Pipeline/Tunnel Alignment)	2D, 4, 4A, 5D	Recreationists	<u>Cyclists, Runners, Pedestrians:</u> Twin Cities Road <u>Water-based:</u> Snodgrass Slough	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Twin Cities Road	
		Residences and Businesses	South of Twin Cities Road	
Byron Tract Forebay (East) with Control Structures (Pipeline/Tunnel and East Alignment)	1A, 1B, 2A, 2B, 3, 5, 6A, 6B, 7, 8	Recreationists	<u>Cyclists, Runners, Pedestrians:</u> Lindemann Road Herdlyn Road Byron Highway from North Bruns Way to Mountain House Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Lindemann Road Herdlyn Road Byron Highway from North Bruns Way to Mountain House	
		Residences and Businesses	Lindemann Road, northern portion	
Expanded Clifton Court Forebay with Drive Shafts, Pumping Plant, and 230 and 500 kV transmission lines (Modified Pipeline/Tunnel)	2D, 4, 4A, 5D	Recreationists	<u>Cyclists, Runners, Pedestrians:</u> Lindemann Road Herdlyn Road Byron Highway from North Bruns Way to Mountain House Road Clifton Court Road near the forebay	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Lindemann Road Herdlyn Road Byron Highway from Bruns Road to Mountain House Clifton Court Road near the forebay Water based: Old River West Canal	
		Residences and Businesses	Lindemann Road, northern portion Kings Island, off of Clifton Court Road	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Byron Tract Forebay (West) with Control Structures (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> Clifton Court Road Herdlyn Road Mountain House Road Byron Highway from Clifton Court Road to Mountain House Road <u>Resorts:</u> Lazy M Marina on Clifton Court Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Clifton Court Road Herdlyn Road Mountain House Road Byron Highway from Clifton Court Road to Mountain House Road	
		Residences and Businesses	Lazy M Marina on Clifton Court Road Residence on North Bruns Way Residence or business on Bruns Way	
Spoil/Borrow Area south of Intake 1 (Pipeline/Tunnel Alignment)	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	<u>Cyclists:</u> SR 160 PM 29.75-31	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 160 PM 29.75-31	
		Residences and Businesses	Along SR 160 PM 29.75-31 Southeast of Intake 1 and north of spoil/borrow area along Scribner Road, near SR 160 intersection and at end of road South of Scribner Road, near construction shaft site	
Spoil/Borrow Area south of Intermediate Forebay (Pipeline/Tunnel Alignment)	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	<u>Cyclists:</u> SR 160 PM 24.25-25.77 Lambert Road, Elk Slough, and Snodgrass Slough	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 160: PM 24.25-25.77 Lambert Road, Elk Slough, and Snodgrass Slough	
		Residences and Businesses	Along SR 160: PM 24.25-25.77	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Spoil/Borrow Area southwest of Byron Highway (Pipeline/Tunnel and East Alignment)	1A, 1B, 2A, 2B, 3, 5, 6A, 6B, 7, 8	Recreationists	Not anticipated within foreground	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Byron Highway, Bruns Road to California Aqueduct	
		Residences and Businesses	Residence along Byron Highway and California Aqueduct Businesses on Bruns Road (Banks Pumping Plant) and Kelso Road	
Operable Barrier on Head of Old River (Pipeline/Tunnel Alignment and Modified Pipeline/Tunnel Alignment)	2A, 2B, 2C, 4	Recreationists	<u>Water-based:</u> <u>San Joaquin River</u> <u>Old River</u>	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Cohen Road	
		Residences and Businesses	None	
Spoil/Borrow Area south of Intake 1 (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> SR 160 PM 29.5–32.5	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 160 PM 29.5–32.5	
		Residences and Businesses	Along SR 160 PM 29.5–32.5 Southeast of Intake 1 and north of spoil/borrow area Along Scribner Road, near SR 160 intersection and at end of road South of Scribner Road, near construction shaft site	
Spoil/Borrow Area south of Intake 4 (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> SR 160 PM 24.75–25.75	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 160 PM 24.75–25.75	
		Residences and Businesses	Along SR 160 PM 24.75–25.75	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Spoil/Borrow Area south of Intake 5 (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> SR 160 PM 24.75–23.5	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 160 PM 24.75–23.5 Lambert Road from intersection with Lambert Road to 90° bend in road	
		Residences and Businesses	Along SR 160 PM 24.75–23.5 Lambert Road from intersection with Lambert Road to 90° bend in road	
Spoil/Borrow Areas north and south of Lambert Road (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> Lambert Road, Snodgrass Slough to 1 mile west of I-5 Dierssen Road, western end to 0.5 mile west of I-5	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Lambert Road, Snodgrass Slough to 1 mile west of I-5 Dierssen Road, western end to 0.5 mile west of I-5	
		Residences and Businesses	Residence south of Lambert Road, adjacent to and east of Snodgrass Slough Residence/farm north of Dierssen Road, 0.4 mile west of I-5 Residence north of Dierssen Road, 0.75 mile west of I-5 Farm south of Lambert Road, 1.4 miles west of I-5	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Spoil/Borrow Areas south of W. Walnut Grove Road to SR 12 (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> Blossom Road from West Walnut Grove Road south to Hog Slough West Peltier Road from intersection with Blossom Road to 1 mile east of intersection West Woodbridge Road, 0.5 mile on either side of bridge crossing SR 12 PM 8-8.5	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Blossom Road from West Walnut Grove Road south to Hog Slough West Peltier Road from intersection with Blossom Road to 1 mile east of intersection West Woodbridge Road, 0.5 mile on either side of bridge crossing SR 12 PM 8-8.5	
		Residences and Businesses	Several residences and farms along Blossom Road between West Walnut Grove Road and Beaver Slough 3 residences and farms south of West Walnut Grove Road canal alignment and I-5 Farm on Hog Slough 0.4 mile west of canal alignment Farm north of SR 12 PM 8.25	
Spoil/Borrow Areas near King Island (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> West Eight Mile Road proposed canal bridge crossing to 1 mile west of I-5 East and west of Kings Island and North Rio Blanco Roads, north of West Eight Mile Road	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	West Eight Mile Road proposed canal bridge crossing to 1 mile west of I-5 East and west of Kings Island and North Rio Blanco Roads, north of West Eight Mile Road	
		Residences and Businesses	None with anticipated views	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Spoil/Borrow Areas Rindge Tract (East Alignment)	1B, 2B, 6B	Recreationists	None with anticipated views	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Large portions of West Rindge Road (private road)	
		Residences and Businesses	7–10 scattered residences and farms on Rindge Tract	
Spoil/Borrow Area San Joaquin River to SR 4 (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> Windmill Cove Road between North Holt Road and Vulcan Island East and west of North Holt Road from Windmill Cove Road to Holt North of West House Road from North Holt Road to eastern edge of tract North and south of West Jacobs Road, including West McDonald Road and Inland Drive North of SR 4 PM 8.75–10.25 <u>Resort Users:</u> Accessing on edges of Windmill Cove Resort & Marina	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Windmill Cove Road between North Holt Road and Vulcan Island East and west of North Holt Road from Windmill Cove Road to Holt North of West House Road from North Holt Road to eastern edge of tract North and south of West Jacobs Road, including West McDonald Road and Inland Drive North of SR 4 PM 8.75–10.25	
		Residences and Businesses	Residence/business at Windmill Cove Road and North Holt Road intersection 10–15 scattered residences and farms from 0.5 mile north of West House Road to SR 4	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Spoil/Borrow Area Roberts Island (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> South of SR 4 PM 4.75–7.5 East and west of South Inland Drive and West Kingston School Road, south of canal alignment East and west of South Tracy Boulevard, south of canal alignment	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	South of SR 4 PM 4.75–7.5 East and west of South Inland Drive, south of canal alignment East and west of South Tracy Boulevard, south of canal alignment	
		Residences and Businesses	Business south of SR 4 PM 4.75 Residence or farm west of South Tracy Boulevard and adjacent to and north of Middle River 6–8 residences and farms of South Inland Drive and West Kingston School Road	
Spoil/Borrow Area Union Island (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> Clifton Court Road, western end to proposed bridge crossing over canal alignment and 0.5 mile west of Calpack Road to 1 mile west of South Tracy Boulevard Calpack Road from Clifton Court Road to West Klein Road West and South Klein Road from Calpack Road to canal alignment	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Clifton Court Road, western end to proposed bridge crossing over canal alignment and 0.5 mile west of Calpack Road to 1 mile west of South Tracy Boulevard Calpack Road from Clifton Court Road to West Klein Road West and South Klein Road from Calpack Road to canal alignment	
		Residences and Businesses	Residence or business just south of western end of Clifton Court Road 1–2 residences or farms 2 miles west of South Tracy Boulevard 3 residences or farms along and east of Calpack Road Residence or business south of South Klein Road	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Spoil/Borrow Area northwest of Intake W1 (West Alignment)	1C, 2C, 6C	Recreationists	None with anticipated views	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	No public roads with anticipated views	
		Residences and Businesses	1 or 2 residences or farms to northwest	
Spoil/Borrow Area southwest of Intake W2 (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> CH E9, opposite SR 160 PM 27–29.25	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	CH E9, opposite SR 160 27–29.25	
		Residences and Businesses	Several residences along CH E9 opposite SR 160 PM 27–29.25. Businesses may be present. Several residences along CR 144 and east of Elk Slough. Businesses may be present.	
Spoil/Borrow Area southwest of Intake W3 (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> CH E9, opposite SR 160 PM 26–26.5 CR 144	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	CH E9, opposite SR 160 PM 26–26.5 CR 144	
		Residences and Businesses	Several residences along CH E9 opposite SR 160 PM 26–26.5. Businesses may be present. Several residences along CR 144 and east of Elk Slough. Businesses may be present.	
Spoil/Borrow Area along Jefferson Boulevard (SR 84) (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 84 PM 2.75–7.25 South Netherlands Road from SR 84 to Waukeena Road Waukeena Road North Courtland Road	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 84 PM 2.75–7.25 South Netherlands Road from SR 84 to Waukeena Road Waukeena Road North Courtland Road	
		Residences and Businesses	South Netherlands Road Jefferson Road PM 4.5–5 Waukeena Road CR 158 PM 4.2	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Spoil/Borrow Area northwest of CR 158 and Ryer Avenue (SR 84) (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 84 PM 1.25–2.5 Alameda Avenue Mallard Road CR 150 CR 149 North Courtland Road	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 84 PM 1.25–2.5 Alameda Avenue Mallard Road CR 150 CR 149 North Courtland Road	
		Residences and Businesses	3 residences or farms SR 84 PM 1.25–1.75	
Spoil/Borrow Area west of Ryer Avenue (SR 84) (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 84 PM Solano 13.00–Yolo 0.75 CR 161 Oxford Road Sutter Road Holland Road <u>Resort Users:</u> Accessing Arrowhead Harbor Marina	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 84 PM Solano 13.00–Yolo 0.75 CR 161 Oxford Road Sutter Road Holland Road	
		Residences and Businesses	1 residence or farm SR 84 PM Yolo 0.25	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Spoil/Borrow Area on Ryer Island (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 84 PM 7.25–12 SR 220 PM 0–0.5 Ryer Road East Ryer Road Elevator Road Sutter Island Road	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 84 PM 7.25–12 SR 220 PM 0–0.5 Ryer Road East Ryer Road Elevator Road Sutter Island Road	
		Residences and Businesses	8 residences or farms SR 84 PM Solano 7.5–13 1 business SR 84 PM 9.75 2 residences or farms Holland Road 1 business Holland Road 1 residence or farm Ryer Road 3 residences or farms East Ryer Road 1 business East Ryer Road 3 residences or farms Sutter Island Road	
Spoil/Borrow Area north of Eagle Lane (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> Eagle Lane from Byron Highway to proposed canal alignment Byron Highway from Eagle Lane to Delta Road Mountain View Drive and Ironhorse Road near intersection with Byron Highway	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Eagle Lane from Byron Highway to proposed canal alignment Byron Highway from Eagle Lane to Delta Road Mountain View Drive and Ironhorse Road near intersection with Byron Highway	
		Residences and Businesses	8 residences on Eagle Lane 10 residences on Byron Highway 3 residences on Sunset Road	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Spoil/Borrow Area between Orwood Road and SR 4 (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> Orwood Road Byron Highway Balfour Road Bixler Road Chestnut Street near intersection with Byron Highway Fallmand Boulevard near intersection with Bixler Road	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Orwood Road Byron Highway Balfour Road Bixler Road Chestnut Street near intersection with Byron Highway Fallman Boulevard near intersection with Bixler Road	
		Residences and Businesses	2 businesses south of Orwood Road 2 residences east of Bixler Road, south of Orwood Road 2 residences east of Bixler Road 1 residence east of Byron Highway 1 residence west of Byron Highway, along Chestnut Street 7–10 residences south of Balfour Road	
Spoil/Borrow Area north of Byer Road (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> Byron Highway Bixler Road Point of Timber Road SR 4 PM 43–45.75 Bypass Road, near intersection with SR 4 Byer Road	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Byron Highway Bixler Road Point of Timber Road SR 4 PM 43–45.75 Bypass Road, near intersection with SR 4 Byer Road	
		Residences and Businesses	2 businesses and 2 residences/farms at SR 4 junction with Byron Highway 1 residence south of Point of Timber Road 7–10 residences, farms, and businesses west of Byron Highway,	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			north of Bypass Road Clustering of residences, farms, and businesses west of Bixler Road 2-5 residences or businesses east and west of Bixler Road between SR 4 and Byer Road 1 school east of Bixler Road between SR 4 and Byer Road	
Spoil/Borrow Area around Byron Tract Forebay (West) (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> Camino Diablo Road Western Farms Ranch Road Clifton Court Road Byron Highway from Clifton Court Road to Bruns Road <u>Resort Users:</u> Lazy M Marina on Clifton Court Road	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Camino Diablo Road Western Farms Ranch Road Clifton Court Road Byron Highway from Clifton Court Road to Bruns Road	
		Residences and Businesses	1-2 businesses at end of Camino Diablo Road Lazy M Marina on Clifton Court Road	
Reusable Tunnel Material Area north of Intake 2 (Pipeline/Tunnel Alignment and Modified Pipeline/Tunnel Alignment)	1A, 2A, 2D, 3, 4, 4A, 5, 5A, 6A, 7, 8	Recreationists	<u>Cyclists:</u> SR 160: PM 29.5-30.5 Scribner Road: SR 160 to end of road	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 160: PM 29.5-30.5 Scribner Road: SR 160 to end	
		Residences and Businesses	Along SR 160: PM 29.5-30.5 At end of Scribner Road South of Scribner Road, near construction shaft site	
Reusable Tunnel Material Area south of Lambert Road (Modified Pipeline/Tunnel Alignment)	2D, 4, 4A, 5D	Recreationists	<u>Cyclists:</u> Lambert Road	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Lambert Road	
		Residences and Businesses	South of Lambert Road	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Reusable Tunnel Material Area north of Dierssen Road (Modified Pipeline/Tunnel Alignment)	2D, 4, 4A, 5D	Recreationists	<u>Cyclists:</u> Dierssen Road	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Dierssen Road	
		Residences and Businesses	North and south of Dierssen Road	
Reusable Tunnel Material Area north of Twin Cities Road (Modified Pipeline/Tunnel Alignment)	2D, 4, 4A, 5D	Recreationists	<u>Cyclists:</u> Twin Cities Road	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Twin Cities Road	
		Residences and Businesses	North of Twin Cities Road	
Reusable Tunnel Material Area south of Twin Cities Road (Modified Pipeline/Tunnel Alignment)	2D, 4, 4A, 5D	Recreationists	<u>Cyclists:</u> Twin Cities Road	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Twin Cities Road	
		Residences and Businesses	South of Twin Cities Road	
Reusable Tunnel Material Area east of Snodgrass Slough (Modified Pipeline/Tunnel Alignment)	2D, 4, 4A, 5D	Recreationists	<u>Cyclists:</u> Twin Cities Road and Snodgrass Slough	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Twin Cities Road	
		Residences and Businesses	None	
Reusable Tunnel Material Area south of Isleton Road (Pipeline/Tunnel Alignment)	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	<u>Cyclists:</u> Isleton Road, opposite SR 160 PM 12.25–13.5	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Isleton Road, opposite SR 160 PM 12.25–13.5	
		Residences and Businesses	Several residences along Isleton Road, opposite SR 160 PM 12.25–13.5	
Reusable Tunnel Material Area on Tyler Island (Pipeline/Tunnel Alignment)	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	<u>Cyclists:</u> Tyler Island Road	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Tyler Island Road	
		Residences and Businesses	None	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Reusable Tunnel Material Area south of SR 12 (Modified Pipeline/Tunnel Alignment)	2D, 4, 4A, 5D	Recreationists	<u>Water-based:</u> Potentially boaters on Little Potato Slough and South Mokelumne River	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 12 PM 1.5–2.5	
		Residences and Businesses	None	
Reusable Tunnel Material Area on Bacon Island (Pipeline/Tunnel Alignment)	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	<u>Cyclists:</u> South Bacon Island Road	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	South Bacon Island Road	
		Residences and Businesses	1 residence or farm to the northeast	
Reusable Tunnel Material Areas west of Clifton Court Forebay (Modified Pipeline/Tunnel Alignment)	2D, 4, 4A, 5D	Recreationists	<u>Cyclists:</u> Byron Highway Western Farms Ranch Road Clifton Court Road <u>Resort Users:</u> <u>Lazy M Marina</u>	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Byron Highway Western Farms Ranch Road Clifton Court Road	
		Residences and Businesses	<u>Lazy M Marina</u> Near Byron Inn Café Along Byron Hot Springs Road, near intersection with Byron Highway	
Reusable Tunnel Material Area on Victoria Island (Pipeline/Tunnel Alignment)	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	<u>Cyclists:</u> SR 4 PM 0–1.75	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 4 PM 0–1.75	
		Residences and Businesses	1 farm to south of SR 4 PM 1.25	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Reusable Tunnel Material Area north of West Walnut Grove Road (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> North Vail Road, northern end to just south of West Lauffer Road Blossom Road, northern end to canal crossing Barber Road, all West Walnut Grove Road, 1.25 miles west of I-5	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	North Vail Road, northern end to just south of West Lauffer Road Blossom Road, northern end to canal crossing Barber Road, all West Walnut Grove Road, 1.25 miles west of I-5	
		Residences and Businesses	2-3 scattered residences south of and adjacent to Mokelumne River North Vail Road, northern end to just south of West Lauffer Road 3 residences along Blossom Road, north of canal crossing 1 residence on Barber Road adjacent to I-5 Several residences north of West Walnut Grove Road and east of North Vail Road and west of the canal. Businesses may be located here.	
Reusable Tunnel Material Area on Rindge Tract (East Alignment)	1B, 2B, 6B	Recreationists	None with anticipated views	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Large portions of West Rindge Road (private road)	
		Residences and Businesses	7-10 scattered residences and farms on Rindge Tract	
Reusable Tunnel Material Area on Union Island (East Alignment)	1B, 2B, 6B	Recreationists	None with anticipated views	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	No public roads with anticipated views	
		Residences and Businesses	None with anticipated views	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Reusable Tunnel Material Area near the control structure south of SR 220 (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 84 PM 7.25-9 SR 220 PM 0-0.25	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 84 PM 7.25-9 SR 220 PM 0-0.25	
		Residences and Businesses	1 residence or farm just east of SR 84 PM 8.5	
Reusable Tunnel Material Area north of SR 12 on Brannan Island (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 12 PM 1.25-3 SR 160 PM 5.75-7.5	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 12 PM 1.25-3 SR 160 PM 5.75-7.5	
		Residences and Businesses	1 residence or farm north of SR 12 PM 1.25 3-4 residences or farms south of SR 160 PM 5.75-7.5	
Reusable Tunnel Material Area north of Delta Road (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> Delta Road Easy Street Tule Lane Fire Place Bartels Drive Blaine Lane Ghigliazza Way	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Delta Road Easy Street Tule Lane Fire Place Bartels Drive Blaine Lane Ghigliazza Way	
		Residences and Businesses	13 residences on Delta Road 12 residences or businesses on Byron Highway 9 residences or businesses on Poe Lane 7 residences or businesses on Mountain View Drive 2 residences or businesses on Baldocchi Court 5 residences or businesses on Eagle Lane	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Ventilation and Shaft Site north of Lambert Road (Modified Pipeline/Tunnel Alignment)	2D, 4, 4A, 5D	Recreationists	<u>Cyclists:</u> Lambert Road, <u>Water-based:</u> Elk Slough and Snodgrass Slough	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Lambert Road	
		Residences and Businesses	1 north of Lambert Road 1 south of Lambert Road	
Ventilation and Shaft Site northwest of Twin Cities Road (Pipeline/Tunnel Alignment)	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	<u>Cyclists:</u> Vorden Road Twin Cities Road	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Vorden Road Twin Cities Road	
		Residences and Businesses	1 residence/farm at Vorden Road intersection with Herzog Road	
Ventilation and Shaft Site northern portion of Tyler Island (Pipeline/Tunnel Alignment)	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	<u>Cyclists:</u> Tyler Island Road east and west of site Brunk Road	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Tyler Island Road east and west of site Brunk Road	
		Residences and Businesses	1 residence/farm east of site on Tyler Island Road 1 residence/farm west of site on Tyler Island Road	
Ventilation and Shaft Site on north Staten Island (Modified Pipeline/Tunnel Alignment)	2D, 4, 4A, 5D	Recreationists	<u>Cyclists:</u> Staten Island Road and Gas Well Road	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Staten Island Road and Gas Well Road	
		Residences and Businesses	2 at the intersection of Staten Island and Gas Well Roads Several along Gas Well Road west of Staten Island Road at Eagle Tree 1 east of Staten Island Road at the southern end of the RTM area	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Ventilation and Shaft Site on south Staten Island (Modified Pipeline/Tunnel Alignment)	2D, 4, 4A, 5D	Recreationists	<u>Cyclists:</u> Staten Island Road (note, road is private here) <u>Water-based:</u> Potentially boaters on Little Potato Slough and South Mokelumne River	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Staten Island Road SR 12 bridge crossing over Little Potato Slough	
		Residences and Businesses	None	
Ventilation and Shaft Site north of SR 12 (Pipeline/Tunnel Alignment)	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	<u>Cyclists:</u> SR 12 PM 1.5–2.5	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 12 PM 1.5–2.5	
		Residences and Businesses	1 residence north of SR 12 PM 2.25	
Ventilation and Shaft Site south of SR 12 (Modified Pipeline/Tunnel Alignment)	2D, 4, 4A, 5D	Recreationists	<u>Water-based:</u> Potentially boaters on Little Potato Slough and South Mokelumne River	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 12 PM 1.5–2.5	
		Residences and Businesses	None	
Ventilation and Shaft Site on Mandeville Island (Pipeline/Tunnel Alignment and Modified Pipeline/Tunnel Alignment)	1A, 2A, 2D, 3, 4, 4A, 5, 5A, 6A, 7, 8	Recreationists	None with anticipated views	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	No public roads with anticipated views	
		Residences and Businesses	None with anticipated views	
Ventilation and Shaft Site on the southern portion of Bacon Island (Pipeline/Tunnel Alignment and Modified Pipeline/Tunnel Alignment)	1A, 2A, 2D, 3, 4, 4A, 5, 5A, 6A, 7, 8	Recreationists	<u>Cyclists:</u> South Bacon Island Road on southern end of island	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	South Bacon Island Road on southern end of island	
		Residences and Businesses	None with anticipated views	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Ventilation and Shaft Sites south of SR 4 (Pipeline/Tunnel Alignment)	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	None with anticipated views	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 4	
		Residences and Businesses	None	
Ventilation and Shaft Sites north of SR 4 (Modified Pipeline/Tunnel Alignment)	2D, 4, 4A, 5D	Recreationists	None with anticipated views	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 4	
		Residences and Businesses	None	
Ventilation and Shaft Sites on Twitchell Island (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> West Twitchell Island Road	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	West Twitchell Island Road	
		Residences and Businesses	None with anticipated views	
Ventilation and Shaft Sites on Bethel Island (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> Bethel Island Road Taylor Road	Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Bethel Island Road Taylor Road	
		Residences and Businesses	1 residence west of Bethel Island Road 2 residences on Cottage Lane Several residences along Taylor Road	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Canals, Pump Houses, and Transmission Lines between Intake 1 and West Walnut Grove Road, near I-5, Segment (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> SR 160 PM 24.25–32.75 CH E9, opposite SR 160 PM 27.75–27.75 Hood Franklin Road 5 th Street, near Hood Franklin Road 8 th Street, southern end Blair Street, eastern end Lambert Road, Snodgrass Slough to 1.5 miles west of I-5 Dierssen Road, western end to 0.5 mile west of I-5 Twin Cities Road, I-5 to 1.5 mile west of I-5 Barber Road North Vail Road Blossom Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160 PM 24.25–32.75 CH E9, opposite SR 160 PM 27.75–27.75 Hood Franklin Road 5 th Street, near Hood Franklin Road 8 th Street, southern end Blair Street, eastern end Lambert Road, Snodgrass Slough to 1.5 miles west of I-5 Dierssen Road, western end to 0.5 mile west of I-5 Twin Cities Road, I-5 to 1.5 mile west of I-5 Barber Road North Vail Road Blossom Road	
		Residences and Businesses	10–15 residences, businesses, or farms SR 160 PM 24.25–32.75 5–7 residences in Hood mobile home park 1–3 residences at northern end of 3 rd Street 1–3 residences at northern end of 4 th Street 1–3 residences at northern end of 5 th Street 5–8 residences along 8 th Street, southern end 1–3 residences at eastern end of Blair Street 1 residence south of Lambert Road, adjacent to and east of Snodgrass Slough 1 farm south of Lambert Road 1 residence/farm south of Twin Cities Road, 1.5 mile west of I-5 1 residence west of I-5 and North of Barber Road 3 residences on Blossom Road	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Canals, Pump Houses, and Transmission Lines south of West Walnut Grove Road Segment (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> West Walnut Grove Road, I-5 to 1.5 mile west of I-5 Blossom Road near intersection with West Walnut Grove Road West Peltier Road from intersection with Blossom Road to 1 mile east of intersection West Woodbridge Road SR 12 PM 8-9.5 North Guard Road Guard Road West Eight Mile Road North Rio Blanco Road King Island Road West McDonald Road Inland Drive North Holt Road North of SR 4 PM 8.75-10.25 West Kingston School Road South Inland Drive SR 4 RM 8.2 South Tracy Boulevard Calpack Road Clifton Court Road, western end to 0.5 mile west of proposed bridge crossing over canal alignment Bonetti Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	West Walnut Grove Road, I-5 to 1.5 mile west of I-5 West Peltier Road from intersection with Blossom Road to 1 mile east of intersection West Woodbridge Road SR 12 PM 8-9.5 North Guard Road Guard Road West Eight Mile Road North Rio Blanco Road King Island Road Rindge Tract Island Road West Rindge Tract Island Road West McDonald Road Inland Drive	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			North Holt Road North of SR 4 PM 8.75–10.25 West Kingston School Road South Inland Drive SR 4 RM 8.2 South Tracy Boulevard Calpack Road Clifton Court Road, western end to 0.5 mile west of proposed bridge crossing over canal alignment Bonetti Road	
		Residences and Businesses	Clustering of residences along West Walnut Grove Road, I-5 to 1.5 mile west of I-5 1 residence or business south of West Woodbridge Road 1 residence north of SR 12 PM 7.7 1 residence north of SR 12 PM 8.3 1 business northwest of North Guard Road 1 residence east of North Guard Road 1 residence west of Guard Road 3–6 residences/farm on King Island Road north of West Eight Mile Road 1 residence/farm north of Bacon Island Road south of West Eight Mile Road 1 residence/farm on King Island Road south of West Eight Mile Road Paradise Point Marina 1–2 residences/farms south of Rindge Tract Island Road 1–2 residences/farms north of West Rindge Tract Island Road Business east of Inland Drive School west of North Holt Road Residences and businesses north and south of SR 4 PM 8.75 and north of PM 9.6 1 residence north of bridge on West Kingston School Road 1 business on South Inland Drive 1 residence near Middle River on South Tracy Boulevard 3 residences or farms along Calpack Road 1–5 residences or farms north and south of western end of Clifton Court Road	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Canals, Pump Houses, and Transmission Lines northern Segment (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 160 PM 24.50–29.5 CH E9, opposite SR 160 PM 24.50 29.5 SR 84 PM Solano 7.75–Yolo 7 CR 144 CR 142 CR 149 CR 150 CR 161 SR 220 PM 0.00–1.5 <u>Water-Based:</u> Miner’s Slough within SR 84 PM 7.25–8.00 Sacramento River within SR 160 PM 26.50–27.25 Sutter Slough <u>Park Users:</u> Accessing Clarksburg Fishing Access	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160 PM 26.50–27.25 CH E9 within PM opposite SR 160 SR 84 PM Solano 7.75–Yolo 7 CR 144 CR 142 CR 149 CR 150 CR 161 SR 220 PM 0.00–1.5	
		Residences and Businesses	2 residences or farms on Jefferson Boulevard PM 4.75–6.50 1 residence or farm on Waukeena Road 10–16 residences, businesses, or farms on CR 144 15–25 residences or farms on CH E9 3 residences or farms SR 84 PM 1.25–1.75 1 residence or farm on SR 84 PM 0.25 1 residence or farm on SR 84 PM 7.75 1 residence or farm on SR 220 PM 1.25	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Canals north and south of Byron Highway (Modified Pipeline/Tunnel Alignment)	2D, 4, 4A, 5D	Recreationists	<u>Cyclists, Runners, Pedestrians:</u> Herdlyn Road Byron Highway from North Bruns Way to Mountain House Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible
		Roadway Travelers	Herdlyn Road Byron Highway from North Bruns Road to Mountain House Bruns Road	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Residences and Businesses	1 residence/business south of Byron Highway and west of Delta Mendota Canal	
Canals, Pump Houses, and Transmission Lines southern Segment (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 84 PM 9.25–10.25 and PM 42.75–45.75 Sycamore Drive Elevator Road East Cypress Road Mahoney Lane Cow Poke Lane Tule Lane Fire Place Delta Road Byron Highway Poe Lane Mountain View Drive Baldocchi Court Eagle Lane Mountain View Drive and Ironhorse Road near intersection with Byron Highway Birchfield Road Crystal Lane Orwood Road Bixler Road Chestnut Street Balfour Road Brentwood Boulevard Point of Timber Road CR J4 Bypass Road Marsh Creek Road Ellisa Lane	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			Fertado Lane Valley Oak Drive Taylor Lane Kellogg Creek Road Regatta Drive South Coral Street Coastal Court Seagull Court Byer Road Rancho Sereno Road <u>Water-Based:</u> Miner’s Slough within SR 84 PM 9.25-10.25 Rock Slough <u>Private Clubs:</u> Approach to Veale Pheasant Club Approach to Hunting Club	
		Roadway Travelers	SR 84 PM 9.25-10.25 and PM 42.75-45.75 Sycamore Drive Elevator Road East Cypress Road Mahoney Lane Cow Poke Lane Tule Lane Fire Place Delta Road Byron Highway Poe Lane Mountain View Drive Baldocchi Court Eagle Lane Mountain View Drive and Ironhorse Road near intersection with Byron Highway Birchfield Road Crystal Lane Orwood Road Bixler Road Chestnut Street	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			Balfour Road Brentwood Boulevard Point of Timber Road CR J4 Bypass Road Marsh Creek Road Ellisa Lane Fertado Lane Valley Oak Drive Taylor Lane Kellogg Creek Road Regatta Drive South Coral Street Coastal Court Seagull Court Byer Road Rancho Sereno Road	
		Residences and Businesses	3 residences or farms and 1 business on SR 84 PM 9.25–10.25 and PM 42.75–45.75 7–10 residences on Sycamore Drive 16 residences or businesses on East Cypress Road 3 residences or farms on Tule Lane 3 residences or farms on Fire Place 13 residences on Delta Road 40–55 residences or businesses on Byron Highway 9 residences or businesses on Poe Lane 7 residences or businesses on Mountain View Drive 2 residences or businesses on Baldocchi Court 8 residences on Eagle Lane 3 residences on Sunset Road 5 residences on Birchfield Road 4 residences on Crystal Lane 6 residences or businesses on Orwood Road 14 residences on Bixler Road 1 Fire Station on Bixler Road 6 residences, businesses, or institutions on Bixler Road 1 residence on Chestnut Street	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			10 residences or businesses on Balfour Road 2 residences on Hathorne Court 1 residence on Point of Timber Road 1 residences on Coronado Court 2 businesses on CR J4 3 residences or businesses on Bypass Road 15 residences or businesses on Marsh Creek Road 4 residences on Ellisa Lane 15 residences on Fertado Lane 5 residences on Valley Oak Drive 4 residences or businesses on Byron Highway 5-10 residences or businesses on Taylor Lane 3 residences on Kellogg Creek Road 3-5 residences on Regatta Drive 3-5 residences on South Coral Street 3-5 residences on Coastal Court 3-5 residences on Seagull Court 11 businesses on Taylor Lane 4 residences on Byer Road	
Bridge on residential access road south of Intake 2, west of North Stone Lake (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> SR 160 PM 27.75-28.75	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160 PM 27.75-28.75	
		Residences and Businesses	Along SR 160 PM 27.75-28.75	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Bridge on Hood Franklin Road (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> Hood Franklin Road 5 th Street, near Hood Franklin Road 8 th Street, southern end Blair Street, eastern end	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Hood Franklin Road 5 th Street, near Hood Franklin Road 8 th Street, southern end Blair Street, eastern end	
		Residences and Businesses	5 th Street, near Hood Franklin Road 8 th Street, southern end Blair Street, eastern end	
Bridge on Lambert Road (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> Lambert Road, Snodgrass Slough to 1.5 miles west of I-5	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Lambert Road, Snodgrass Slough to 1.5 miles west of I-5	
		Residences and Businesses	Residence south of Lambert Road, adjacent to and east of Snodgrass Slough	
Bridge on Dierssen Road (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> Dierssen Road, western end to 0.5 mile west of I-5	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Dierssen Road, western end to 0.5 mile west of I-5	
		Residences and Businesses	None	
Bridge on Twin Cities Road (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> Twin Cities Road, I-5 to 1.5 mile west of I-5	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Twin Cities Road, I-5 to 1.5 mile west of I-5	
		Residences and Businesses	1 residence/farm south of Twin Cities Road, 1.5 mile west of I-5	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Bridge on West Barber Road (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> Barber Road Northern end of North Vail Road Northern end of Blossom Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Barber Road Northern end of North Vail Road Northern end of Blossom Road	
		Residences and Businesses	1 residence west of I-5 and North of Barber Road 1 residence west of Blossom Road	
Bridge on West Walnut Grove Road (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> West Walnut Grove Road, I-5 to 1.5 mile west of I-5 Blossom Road near intersection with West Walnut Grove Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	West Walnut Grove Road, I-5 to 1.5 mile west of I-5	
		Residences and Businesses	Clustering of residences along West Walnut Grove Road, I-5 to 1.5 mile west of I-5	
Bridge on West Peltier Road (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> West Peltier Road from intersection with Blossom Road to 1 mile east of intersection	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	West Peltier Road from intersection with Blossom Road to 1 mile east of intersection	
		Residences and Businesses	None	
Bridge on West Woodbridge Road (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> West Woodbridge Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	West Woodbridge Road	
		Residences and Businesses	1 residence or business south of West Woodbridge Road	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Bridge on SR 12 (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> SR 12 PM 8-9.5 North Guard Road Guard Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 12 PM 8-9.5 North Guard Road Guard Road	
		Residences and Businesses	1 residence north of SR 12 PM 7.7 1 residence north of SR 12 PM 8.3 1 residence east of North Guard Road 1 residence west of Guard Road	
Bridge on Guard Road (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> Guard Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Guard Road	
		Residences and Businesses	1 residence west of Guard Road	
Bridge on West Eight Mile Road (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> West Eight Mile Road North Rio Blanco Road King Island Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	West Eight Mile Road North Rio Blanco Road King Island Road	
		Residences and Businesses	1-3 residences/farm on King Island Road north of West Eight Mile Road 1 residence/farm on King Island Road south of West Eight Mile Road	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Bridge on West McDonald Road (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> West McDonald Road Inland Drive North Holt Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	West McDonald Road Inland Drive North Holt Road	
		Residences and Businesses	Business east of Inland Drive School west of North Holt Road	
Bridge on SR 4 (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> North of SR 4 PM 8.75–10.25	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	North of SR 4 PM 8.75–10.25	
		Residences and Businesses	Residences and businesses north and south of SR 4 PM 8.75 and north of PM 9.6	
Bridge on West Kingston School Road (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> West Kingston School Road South Inland Drive SR 4 PM 8.2	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	West Kingston School Road South Inland Drive SR 4 PM 8.2	
		Residences and Businesses	1 residence north of bridge on West Kingston School Road 1 business on South Inland Drive	
Bridge on South Tracy Boulevard (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> South Tracy Boulevard	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	South Tracy Boulevard	
		Residences and Businesses	1 residence near Middle River on South Tracy Boulevard	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Bridge on Cal Pack Road (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> Calpack Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Calpack Road	
		Residences and Businesses	3 residences or farms along Calpack Road	
Bridge on Clifton Court Road (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> Clifton Court Road, western end to 0.5 mile west of proposed bridge crossing over canal alignment Bonetti Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Clifton Court Road, western end to 0.5 mile west of proposed bridge crossing over canal alignment Bonetti Road	
		Residences and Businesses	1-5 residences or farms north and south of western end of Clifton Court Road	
Bridge on CR 142 and Roadway Realignment (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 160 PM 26.50-27.25 CH E9 within PM opposite SR 160 CR 144 CR 142 <u>Park Users:</u> Accessing Clarksburg Fishing Access <u>Water-Based:</u> Sacramento River within SR 160 PM 26.50-27.25 Sutter Slough	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160 PM 26.50 - 27.25 CH E9 within PM opposite SR 160 CR 144 CR 142	
		Residences and Businesses	2 residences or farms on CR 144 5 residences or farms on CH E9	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Bridge on CR 158 (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 84 PM 1.25–2.5 CR 150 CR 149	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 84 PM 1.25–2.5 CR 150 CR 149	
		Residences and Businesses	3 residences or farms SR 84 PM 1.25–1.75	
Bridge on CR 161 (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 84 PM Solano 13.25 – Yolo 0.25 CR 161	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 84 PM Solano 13.25 – Yolo 0.25 CR 161	
		Residences and Businesses	1 residence or farm on SR 84 PM 0.25	
Bridge on SR 220 (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 84 PM 7.25–8.00 SR 220 PM 0.00–1.5 <u>Water-Based:</u> Miner’s Slough within SR 84 PM 7.25–8.00	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 84 PM 7.25–8.00 SR 220 PM 0.00–1.5	
		Residences and Businesses	1 residence or farm on SR 84 PM 7.75 1 residence or farm on SR 220 PM 1.25	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Bridge on SR 4 (Taylor Lane) (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 4 PM 44.00–45.50 CR J4 Byron Highway Taylor Lane Kellogg Creek Road Regatta Drive South Coral Street Coastal Court Seagull Court	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 4 PM 44.00–45.50 CR J4 Byron Highway Taylor Lane Kellogg Creek Road Regatta Drive South Coral Street Coastal Court Seagull Court	
		Residences and Businesses	4 residences or businesses on Byron Highway 5–10 residences or businesses on Taylor Lane 3 residences on Kellogg Creek Road 3–5 residences on Regatta Drive 3–5 residences on South Coral Street 3–5 residences on Coastal Court 3–5 residences on Seagull Court	
Bridge on Jefferson Boulevard (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 84 (Jefferson Boulevard) PM 4.75–6.50	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 84 (Jefferson Boulevard) PM 4.75–6.50	
		Residences and Businesses	2 residences or farms on Jefferson Boulevard PM 4.75–6.50 1 residence or farm on Waukeena Road	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Bridge on Elevator Road (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 84 PM 9.25–10.25 Elevator Road <u>Water-Based:</u> Miner’s Slough within SR 84 PM 9.25–10.25	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 84 PM 9.25–10.25 Elevator Road	
		Residences and Businesses	Three residences or farms on SR 84 PM 9.25–9.75 One business on SR 84 PM 9.75	
Bridge on Delta Road (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> Delta Road Byron Highway Poe Lane Mountain View Drive Baldocchi Court Eagle Lane <u>Private Clubs:</u> Approach to Veale Pheasant Club <u>Water-Based:</u> Rock Slough	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Delta Road Byron Highway Poe Lane Mountain View Drive Baldocchi Court Eagle Lane	
		Residences and Businesses	13 Residences on Delta Road 12 Residences or businesses on Byron Highway 9 Residences or businesses on Poe Lane 7 Residences or businesses on Mountain View Drive 2 Residences or businesses on Baldocchi Court 5 Residences or businesses on Eagle Lane	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Bridge on Orwood Road (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> Byron Highway Birchfield Road Crystal Lane Orwood Road Bixler Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Byron Highway Birchfield Road Crystal Lane Orwood Road Bixler Road	
		Residences and Businesses	3 residences or businesses on Byron Highway 5 residences on Birchfield Road 4r residences on Crystal Lane 6 residences or businesses on Orwood Road 2 residences on Bixler Road	
Bridge on Balfour Road (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> Chestnut Street Byron Highway Balfour Road Bixler Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Chestnut Street Byron Highway Balfour Road Bixler Road	
		Residences and Businesses	1 residence on Chestnut Street 5 residences or businesses on Byron Highway 10 residences or businesses on Balfour Road 2 residences on Hathorne Court	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Bridge on Point of Timber Road (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 4 PM 42.75–43.50 Byron Highway Brentwood Boulevard Point of Timber Road Bixler Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 4 PM 42.75–43.50 Byron Highway Brentwood Boulevard Point of Timber Road Bixler Road	
		Residences and Businesses	11 residences or businesses on Byron Highway 1 residence on Point of Timber Road 1 Fire Station on Bixler Road 1 residences on Coronado Court	
Bridge on Marsh Creek Road (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 4 PM 43.50–45.00 CR J4 Byron Highway Bypass Road Marsh Creek Road Ellisa Lane Fertado Lane Bixler Road Valley Oak Drive	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 4 PM 43.50–45.00 CR J4 Byron Highway Bypass Road Marsh Creek Road Ellisa Lane Fertado Lane Fertada Lane Bixler Road Valley Oak Drive	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
		Residences and Businesses	2 businesses on CR J4 10 residences or businesses on Byron Highway 3 residences or businesses on Bypass Road 15 residences or businesses on Marsh Creek Road 4 residences on Ellisa Lane 15 residences on Fertado Lane 12 residences or businesses on Bixler Road 5 residences on Valley Oak Drive	
Bridge on Bixler Road (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 4 PM 45.00–45.75 Taylor Lane Bixler Road Kellogg Creek Road Byer Road Rancho Sereno Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 4 PM 45.00–45.75 Taylor Lane Bixler Road Kellogg Creek Road Byer Road Rancho Sereno Road	
		Residences and Businesses	11 businesses on Taylor Lane 6 residences, businesses, or institutions on Bixler Road 4 residences on Byer Road	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Bridge on Cow Poke Lane (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> East Cypress Road Mahoney Lane Cow Poke Lane Tule Lane Fire Place	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	East Cypress Road Mahoney Lane Cow Poke Lane Tule Lane Fire Place	
		Residences and Businesses	16 residences or businesses on East Cypress Road 3 residences or farms on Tule Lane 3 residences or farms on Fire Place	
Bridge on Eagle Lane (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> Eagle Lane from Byron Highway to proposed canal alignment Byron Highway from Eagle Lane to Delta Road Mountain View Drive and Ironhorse Road near intersection with Byron Highway <u>Private Club:</u> Approach to Hunting Club	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Eagle Lane from Byron Highway to proposed canal alignment Byron Highway from Eagle Lane to Delta Road Mountain View Drive and Ironhorse Road near intersection with Byron Highway	
		Residences and Businesses	8 residences on Eagle Lane 10 residences on Byron Highway 3 residences on Sunset Road	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Bridge on Byron Highway (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> Byron Highway Holey Road North Bruns Way Bruns Road <u>Resort Users:</u> Lazy M Marina <u>Park Users:</u> Clifton Court Forebay	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Byron Highway Holey Road North Bruns Way Bruns Road	
		Residences and Businesses	2 residences or farms on North Bruns Way 1 residence or farm on Bruns Road	
On-bank fish screens near Locke and Walnut Grove (Through Delta/Separate Corridors)	9	Recreationists	<u>Cyclists:</u> SR 160 PM 13.25–15.25 River Road, opposite PM SR 160 14–15.25 Isleton Road, opposite PM SR 160 13.25–14 Roads in Grand Island Estates and Walnut Grove at intersection with SR 160 and River Road <u>Water-based:</u> Along SR 160 PM 13.25–15.25	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160 PM 13.25–15.25 River Road, opposite PM SR 160 14–15.25 Isleton Road, opposite PM SR 160 13.25–14 Roads in Grand Island Estates and Walnut Grove at intersection with SR 160 and River Road	
		Residences and Businesses	<u>Concentration of residences and businesses along:</u> SR 160 PM 13.25–15.25 River Road, opposite PM SR 160 14–15.25 Isleton Road, opposite PM SR 160 13.25–14 Roads in Grand Island Estates and Walnut Grove at intersection with SR 160 and River Road	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Operable Barrier and 12 kV Transmission Lines on The Meadows Slough (Through Delta/Separate Corridors)	9	Recreationists	<u>Cyclists:</u> SR 160 PM 15–15.25 River Road, opposite PM SR 160 15–15.25 <u>Water-based:</u> Along SR 160 PM 13.25–15.25	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160 PM 15–15.25 River Road, opposite PM SR 160 15–15.25	
		Residences and Businesses	<u>Concentration of residences and businesses along:</u> SR 160 PM 15–15.25 River Road, opposite PM SR 160 15–15.25	
Operable Barrier and 12 kV Transmission Lines on Snodgrass Slough (Through Delta/Separate Corridors)	9	Recreationists	<u>Cyclists/Hikers:</u> Using Levee Road <u>Water-based:</u> On Snodgrass Slough	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	None	
		Residences and Businesses	None	
Operable Barrier and 12 kV Transmission Lines on Delta Cross Channel (Through Delta/Separate Corridors)	9	Recreationists	<u>Cyclists:</u> SR 160 PM 14.25–14.5 River Road, opposite PM SR 160 14.25–14.5 Levee Road <u>Water-based:</u> Along SR 160 PM 13.25–15.25 Delta Cross Channel <u>Park:</u> Off of Levee Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160 PM 14.25–14.5 River Road, opposite PM SR 160 14.25–14.5 Levee Road	
		Residences and Businesses	<u>Concentration of residences and businesses along:</u> SR 160 PM 13.25–15.25 River Road, opposite PM SR 160 14–15.25 Isleton Road, opposite PM SR 160 13.25–14 Roads in Grand Island Estates and Walnut Grove at intersection with SR 160 and River Road	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Operable Barrier and 12 kV Transmission Lines on Georgiana Slough (Through Delta/Separate Corridors)	9	Recreationists	<u>Cyclists:</u> River Road Isleton Road Andrus Island Road Levee Road <u>Water-based:</u> Along SR 160 PM 14–14.10 Georgiana Slough	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	River Road Isleton Road Andrus Island Road	
		Residences and Businesses	1 boat house west of River Road, south of bridge 2 residences west of River Road, north of bridge	
Operable Barrier and 12 kV Transmission Lines on Mokolumne River (Through Delta/Separate Corridors)	9	Recreationists	<u>Water-based:</u> On Mokolumne River	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	None	
		Residences and Businesses	None	
Operable Barrier and 12 kV Transmission Lines on Fisherman’s Cut (Through Delta/Separate Corridors)	9	Recreationists	<u>Water-based:</u> San Joaquin River Fisherman’s Cut	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	None	
		Residences and Businesses	6–10 houses, boat homes, or cabins on Bradford Island along Fisherman’s Cut	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Operable Barrier, Pumping Plant, and 12 kV Transmission Lines on the Head of Old River (Franks Tract) (Through Delta/Separate Corridors)	9	Recreationists	<u>Water-based:</u> San Joaquin River Old River	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	None	
		Residences and Businesses	None	
Operable Barrier and 12 kV Transmission Lines on Old River connection to Middle River (Connection Slough) (Through Delta/Separate Corridors)	9	Recreationists	<u>Water-based:</u> Middle River Connection Slough	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	South Bacon Island Road	
		Residences and Businesses	1 residence northwest of barrier on Mandeville Island	
Operable Barrier and 12 kV Transmission Lines on Railroad Cut (Through Delta/Separate Corridors)	9	Recreationists	<u>Cyclists:</u> Bacon Island Road <u>Water-based:</u> Middle River Connection Slough	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Bacon Island Road	
		Residences and Businesses	Bullfrog Landing Marina on Bacon Island Road Several residences/farm on Bacon Island north of Railroad Cut	
Operable Barrier and 12 kV Transmission Lines on Woodward Canal (Through Delta/Separate Corridors)	9	Recreationists	<u>Water-based:</u> Middle River Woodward Canal	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Woodward Island Road	
		Residences and Businesses	1 residence or farm on Bacon Island Road across from barrier	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Operable Barrier and 12 kV Transmission Lines on Threemile Slough (Through Delta/Separate Corridors)	9	Recreationists	<u>Water-based:</u> Threemile Slough Sacramento River <u>Park:</u> Brannan Island SRA along Threemile Slough	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 160 PM 7-7.25. bridge over Threemile Slough	
		Residences and Businesses	1 residence and 1 residence and farm or business south of Sherman Island East Le Road	
Operable Barrier, Pumping Plant, and 12 kV Transmission Lines on Middle River (South of SR 4) (Through Delta/Separate Corridors)	9	Recreationists	<u>Water-based:</u> Middle River	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	South Klein Road	
		Residences and Businesses	1 residence or farm south of South Klein Road	
Operable Barrier and 12 kV Transmission Lines on Victoria Canal (Through Delta/Separate Corridors)	9	Recreationists	<u>Water-based:</u> Old River Victoria Canal	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	None	
		Residences and Businesses	None	
Operable Barrier, Pumping Plant, and 12 kV Transmission Lines on San Joaquin River, near Lathrop (Through Delta/Separate Corridors)	9	Recreationists	<u>Water-based:</u> San Joaquin River Old River	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	Cohen Road	
		Residences and Businesses	None	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
69 kV Transmission Lines ^a between Intake 1 and Intermediate Forebay (Pipeline/Tunnel Alignment)	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	<u>Cyclists:</u> SR 160 PM 23.75–32.75 Lambert Road, from intersection with SR 160 to Elk Slough <u>Water-based:</u> SR 160 PM 23.75–29.75	Mitigation Measure AES-1a: Locate new transmission lines and access routes to minimize the removal of trees and shrubs and pruning needed to accommodate transmission lines and underground transmission lines where feasible
		Roadway Travelers	SR 160 PM 23.75–32.75 Hood Franklin Road near intersection with SR 160 Scribner Road Lambert Road, from intersection with SR 160 to Elk Slough	
		Residences and Businesses	Along SR 160 PM 23.75–32.75 CH E9 opposite SR 160 PM 23.75–32.75	
69 kV Transmission Lines ^a between Intake 2 and Intake 5 (Alignment Pipeline/Tunnel Alignment)	2D, 4, 4A, 5D	Recreationists	<u>Cyclists:</u> SR 160 PM 23.75–32.75 Lambert Road, from intersection with SR 160 to Elk Slough <u>Water-based:</u> SR 160 PM 23.75–29.75	Mitigation Measure AES-1a: Locate new transmission lines and access routes to minimize the removal of trees and shrubs and pruning needed to accommodate transmission lines and underground transmission lines where feasible
		Roadway Travelers	SR 160 PM 23.75–32.75 Hood Franklin Road near intersection with SR 160 Scribner Road Lambert Road, from intersection with SR 160 to Elk Slough	
		Residences and Businesses	Along SR 160 PM 23.75–32.75 CH E9 opposite SR 160 PM 23.75–32.75	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
230 kV Transmission Lines Intermediate Forebay to Byron Tract Forebay (North-South option) (Pipeline/Tunnel Alignment)	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	<p><u>Cyclists:</u></p> <p>Lambert Road Russell Road Vouvray Lane Herzog Road Alfalfa Plant Road Vorden Road Twin Cities Road River Road, opposite SR 160 PM 15.5–16.5 and 12.5–13.5 SR 160 PM 15.5–16.5 and 12.5–13.5 Andrus Island Road SR 12 PM 2–3 Venice Island Road South Bacon Island Road Mandeville Island Road SR 4 PM 0–1.75 Kelsoe Road Lindemann Road Herdlyn Road Byron Highway Bruns Road</p> <p><u>Water-based:</u></p> <p>Sacramento River along SR 160 PM 15.5–16.5 and 12.5–13.5 Georgiana Slough North Fork Mokelumne River South Fork Mokelumne River Lindsey Slough San Joaquin River Old River Middle River Railroad Cut Woodward Canal West Canal Victoria Canal Fabian and Bell Canal Grant Line Canal</p>	Mitigation Measure AES-1a: Locate new transmission lines and access routes to minimize the removal of trees and shrubs and pruning needed to accommodate transmission lines and underground transmission lines where feasible

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
		Roadway Travelers	Lambert Road Russell Road Vouvray Lane Herzog Road Alfalfa Plant Road Vorden Road Twin Cities Road River Road, opposite SR 160 PM 15.5–16.5 and 12.5–13.5 SR 160 PM 15.5–16.5 and 12.5–13.5 Andrus Island Road SR 12 PM 2–3 Venice Island Road South Bacon Island Road Mandeville Island Road SR 4 PM 0–1.75 Kelsoe Road Lindemann Road Herdlyn Road Byron Highway Bruns Road	
		Residences and Businesses	1 residence north and 2 residences south of Lambert Road Ehrhardt Estates Winery on Vouvray Lane 1 business at western end of Alfalfa Plant Road 1 residence east of Herzog Road 2 residences south of Vorden Road 1 business south of Twin Cities Road Several residences River Road, opposite SR 160 PM 15.5–16.5 and 12.5–13.5 Several residences SR 160 PM 15.5–16.5 and 12.5–13.5 Several residences Andrus Island Road and Georgiana Slough 4 residences north of SR 12 PM 2–3 2 residences/farms on Bacon Island 1 residence/farm on Woodward Island 1 farm to south of SR 4 PM 1.25 Concentration of residence in area of Kelsoe and Lindemann Roads 1 residence south of Byron Highway	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			Residence along Byron Highway and California Aqueduct Businesses on Bruns Road (Banks pumping plant) and Kelso Road	
230 kV Transmission Lines East Terminus to Ventilation and Access Shaft north of Lambert Road (East-West option) (Modified Pipeline/Tunnel Alignment)	2D, 4, 4A, 5D	Recreationists	<u>Cyclists:</u> <u>Lambert Road</u> <u>Lambert Road intersections with:</u> <u>Various farm and private roads</u> <u>Caroll Road</u> <u>Bruceville Road</u> <u>County Road J8/Franklin Boulevard</u> <u>Point Pleasant Road</u> <u>Kestrel Lake Road</u>	Mitigation Measure AES-1a: Locate new transmission lines and access routes to minimize the removal of trees and shrubs and pruning needed to accommodate transmission lines and underground transmission lines where feasible
		Roadway Travelers	<u>Lambert Road</u> <u>Lambert Road intersections with:</u> <u>Various agricultural roads</u> <u>Caroll Road</u> <u>Bruceville Road</u> <u>County Road J8/Franklin Boulevard</u> <u>Point Pleasant Road</u> <u>I-5</u> <u>Kestrel Lake Road</u>	
		Residences and Businesses	<u>Several residences and/or farms along Lambert Road and other unnamed roads within transmission alignment corridor</u>	
230 kV Transmission Lines ^a between Intake 5 and Intermediate Forebay (Modified Pipeline/Tunnel Alignment)	2D, 4, 4A, 5D	Recreationists	<u>Cyclists:</u> Lambert Road, from I-5 to Snodgrass Slough Dierssen Road Twin Cities Road, from I-5 to Snodgrass Slough <u>Water-based:</u> Snodgrass Slough	Mitigation Measure AES-1a: Locate new transmission lines and access routes to minimize the removal of trees and shrubs and pruning needed to accommodate transmission lines and underground transmission lines where feasible
		Roadway Travelers	SR 160 PM 23.75–32.75 Hood Franklin Road near intersection with SR 160 Scribner Road Lambert Road, from intersection with SR 160 to Elk Slough	
		Residences and Businesses	1 north of Lambert Road 1 south of Lambert Road North and south of Dierssen Road South of Twin Cities Road	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
230 kV Transmission Lines ^g between south of SR 12 and Clifton Court Forebay (Modified Pipeline/Tunnel Alignment)	2D, 4, 4A, 5D	Recreationists	SR 12 PM 2-3 Venice Island Road South Bacon Island Road Mandeville Island Road SR 4 PM 0-1.75 Byron Highway Bruns Road <u>Water-based:</u> Sacramento River along SR 160 PM 15.5-16.5 and 12.5-13.5 Georgiana Slough North Fork Mokelumne River South Fork Mokelumne River Lindsey Slough San Joaquin River Old River Middle River Railroad Cut Woodward Canal North Victoria Canal	Mitigation Measure AES-1a: Locate new transmission lines and access routes to minimize the removal of trees and shrubs and pruning needed to accommodate transmission lines and underground transmission lines where feasible
		Roadway Travelers	SR 12 PM 2-3 Venice Island Road South Bacon Island Road Mandeville Island Road SR 4 PM 0-1.75 Byron Highway Bruns Road	
		Residences and Businesses	1 residence north and 2 residences south of Lambert Road Ehrhardt Estates Winery on Vouvray Lane 1 business at western end of Alfalfa Plant Road 1 residence east of Herzog Road 2 residences south of Vorden Road 1 business south of Twin Cities Road Several residences River Road, opposite SR 160 PM 15.5-16.5 and 12.5-13.5 Several residences SR 160 PM 15.5-16.5 and 12.5-13.5 Several residences Andrus Island Road and Georgiana Slough 4 residences north of SR 12 PM 2-3	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			2 residences/farms on Bacon Island 1 residence/farm on Woodward Island 1 farm to south of SR 4 PM 1.25 1 residence south of Byron Highway <u>Lazy M Marina</u> Near Byron Inn Café Along Byron Hot Springs Road, near intersection with Byron Highway Residence along Byron Highway and California Aqueduct Businesses on Bruns Road (Banks pumping plant) and Kelso Road	
230 kV Transmission Lines Canal Terminus on Union Island to Byron Tract Forebay (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> Kelsoe Road Lindemann Road Herdlyn Road Byron Highway Bruns Road <u>Water-based:</u> Middle River Railroad Cut Woodward Canal West Canal Victoria Canal Fabian and Bell Canal Grant Line Canal	Mitigation Measure AES-1a: Locate new transmission lines and access routes to minimize the removal of trees and shrubs and pruning needed to accommodate transmission lines and underground transmission lines where feasible
		Roadway Travelers	Kelsoe Road Lindemann Road Herdlyn Road Byron Highway Bruns Road	
		Residences and Businesses	Concentration of residence in area of Kelsoe and Lindemann Roads 1 residence south of Byron Highway Residence along Byron Highway and California Aqueduct Businesses on Bruns Road (Banks Pumping Plant) and Kelso Road	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
230 kV Transmission Lines Canal Terminus on Ryer Island to Lambie Substation (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 84 PM 8.5–9.75 River Road, opposite SR 84 PM 8.5–9.75 Liberty Island Road B and R Lane Flannery Road Canright Road Robinson Road Goose Haven Road Lambie Road Bithell Lane <u>Water-based:</u> Sacramento River along SR 84 PM 8.5–9.75	Mitigation Measure AES-1a: Locate new transmission lines and access routes to minimize the removal of trees and shrubs and pruning needed to accommodate transmission lines and underground transmission lines where feasible
		Roadway Travelers	SR 84 PM 8.5–9.75 River Road, opposite SR 84 PM 8.5–9.75 Liberty Island Road B and R Lane Flannery Road Canright Road Robinson Road Goose Haven Road Lambie Road Bithell Lane	
		Residences and Businesses	1 residence or farm just east of SR 84 PM 8.5 1 residence or farm just east of SR 84 PM 9.75 2–3 residences or farms on Liberty Island Road south of transmission lines Several residences along B and R Lane 1 residence or farm east of Canright Road 4 residences north of Flannery Road 3 residences south of Flannery Road 1 business west of Goose Haven Road 1 residence or farm east of Goose Haven Road 3 businesses north and south of Lambie Road 1 business west of Bithell Lane	

Table 17E-1. Continued

Notes:

- ^a Does not include Conservation Measures 2–21.
- ^b This data represents where views would be present of project features that would potentially result in adverse visual effects. It does not include views where it is believed that buildings, infrastructure, topography (e.g., levees), and trees and shrubs would act to obscure views of project features, even if they are physically located within 0–0.5 mile of the project feature. This data was compiled using Google Earth and information gleaned from the January 9–11, 2011 site visit. However, it is acknowledged that due to the scope, scale, and geographical coverage of project alignments over the study area that small scale, individual, site-specific variations do occur, may deviate from data presented in this table, and that adverse effects may or may not occur as presented in this table because of the order of magnitude and scale variations. The data presented in this table is a best attempt to systematically present worst-case effects for all viewer groups.
- ^c Worst-case scenario across all alternatives is assumed for permanent changes to the landscape such as dislocation and removal of existing features.
- ^d Because a water-based survey was not completed, these locations were determined by evaluating aerial photographs in correlation with project design data and the survey from local roadways that did occur on January 9–11, 2012 and included documenting views of waterways. This is deemed to be accurate in reflecting the general area to which water-based effects would occur.
- ^e Post miles numbers are approximate to the nearest quarter of a mile.
- ^f Italicized text denotes locations where a higher concentration of viewers exists that would see a permanent feature just beyond the foreground and within a mile. This is included because sensitivities would be higher due to community-based impacts associated with the project, as a whole, and the potential for viewers to be adversely affected by permanent features just beyond the foreground.
- ^g Due to linear nature and height of transmission lines, the table assumes that roadways listed as affected include the 0.5 mile area on either side of the transmission corridor and extents are not provided where post miles are not available. Where post miles are available, this data is presented.