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

Permanent Feature	Altornatives	Affected	Locations Footure is Visible From	Mitigation Manageros
	Alternatives	1	Locations Feature is Visible From	Mitigation Measures
Intake 1 with pumping plant and 69 kV		Water-basedd:	Mitigation Measure AES-1e: Apply aesthetic design treatments	
transmission lines,	6B		Sacramento River, within post miles (PMe) for SR 160	to all structures to the extent
including realignment	ОВ		Cyclists:	possible
of SR 160			SR 160: PM 31-32.75	•
(Pipeline/Tunnel and			CH E9, within PM opposite SR 160	Mitigation Measure AES-1g: Implement best management
East Alignment)		Roadway	SR 160: PM 31-32.75	practices to implement project
		Travelers	CH E9, within PM opposite SR 160	landscaping plan
		Residences and	Along SR 160: PM 31-32.75	
		Businesses	Along CH E9, within PM opposite SR 160	
			Southeast of Intake 1 and north of spoil/borrow area	
Intake W1 with		Water-based:	Mitigation Measure AES-1e:	
pumping plant and 69			Sacramento River, within PM for SR 160	Apply aesthetic design treatment
kV transmission lines,		Cyclists:	to all structures to the extent possible	
including realignment of CH E9 (West		SR 160: PM 31.25-32.25		
Alignment)			CH E9, within PM opposite SR 160	Mitigation Measure AES-1g:
		Roadway	SR 160: PM 31.25-32.25	Implement best management
		Travelers	CH E9, within PM opposite SR 160	practices to implement project landscaping plan
		Residences and	Along SR 160: PM 31.25-32.25	lanuscaping pian
		Businesses	Along CH E9, within PM opposite SR 160	
			Southeast of Intake 1 and north of spoil/borrow area	
transmission lines, 6B, 7, 8	1A, 1B, 2A,	Recreationists	Water-based:	Mitigation Measure AES-1e:
	2B, 3, 4, 6A,		Sacramento River, within PM for SR 160	Apply aesthetic design treatments
	6B, 7, 8		<u>Cyclists:</u>	to all structures to the extent
including realignment			SR 160: PM 29.75-30.5	possible
of SR 160 (Pipeline/Tunnel and			CH E9, within PM opposite SR 160	Mitigation Measure AES-1g:
(Pipeline/Tunnel and				Implement best management

Table 17E-1. Continued

Permanent Feature	Alternativesc	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
East Alignment)	Atternatives	Roadway Travelers	SR 160: 29.75–30.5 CH E9, within PM opposite SR 160 Scribner Road: SR 160 to end	practices to implement project landscaping plan
		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 W2 with pumping plant and 69 kV transmission lines, including realignment of CH E9 (West Alignment)	1C, 2C, 6C	Recreationists	Water-based: Sacramento River, within PM for SR 160 Cyclists: SR 160: PM 29.75–30.5	Mitigation Measure AES-1e: Apply aesthetic design treatment to all structures to the extent possible
		Roadway Travelers	CH E9, within PM opposite SR 160 SR 160: 29.75–30.5 CH E9, within PM opposite SR 160 Scribner Road: SR 160 to end	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		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)	2B, 4, 6A, 6B,	Recreationists	Water-based: Sacramento River, within PM for SR 160 Cyclists: SR 160 PM 26.75–27.25	Mitigation Measure AES-1e: Apply aesthetic design treatment to all structures to the extent possible
		Roadway Travelers	CH E9, within PM opposite SR 160 SR 160: PM 26.75–27.25 CH E9, within PM opposite SR 160 Northern end of 3 rd , 4 th , 5 th , and 8 th Streets ^f Hood Franklin Road: 8 th Street to Southern Pacific Railroad	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Residences and Businesses	Along SR 160: PM 26.75–27.25 Along CH E9, within PM opposite SR 160 Hood: Northern end of 3 rd , 4 th , 5 th , and 8 th Streets and northern end of mobile home park	
Intake W3 with pumping plant and 69 kV transmission lines,	1C, 2C, 6C	Recreationists	Water-based: Sacramento River, within PM for SR 160 Clarksburg fishing access opposite SR 160 PM 27.25	Mitigation Measure AES-1e: Apply aesthetic design treatment to all structures to the extent

Table 17E-1. Continued

Permanent Feature	Alternatives	Affected	Locations Feature is Visible From	Mitigation Measures
including realignment of CH E9 (West	Alternatives	viewers Groups	Cyclists: SR 160 PM 26.5–28	possible Mitigation Measure AES-1g:
Alignment)		Roadway Travelers	CH E9, within PM opposite SR 160 SR 160: PM 26.5–28 CH E9, within PM opposite SR 160	Implement best management practices to implement project landscaping plan
		Residences and Businesses	Along SR 160: PM 26.5–28 Along CH E9, within PM opposite SR 160	ianascaping pian
Intake 4 with pumping plant and 69 kV 2B, 6A, 6B transmission lines, including realignment of SR 160	Recreationists	Water-based: Sacramento River, within PM for SR 160 Cyclists: SR 160 PM 25.25–26.25	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible	
Pipeline/Tunnel and East Alignment)		Roadway Travelers	CH E9, within PM opposite SR 160 SR 160: PM 25.25–26.25 CH E9, within PM opposite SR 160 Hood Franklin Road	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		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	
ntake W4 with pumping plant and 69 V transmission lines, including realignment of CH E9 (West	1C, 2C, 6C	Recreationists	Water-based: Sacramento River, within PM for SR 160 Cyclists: 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:
Alignment)	Roadway Travelers	SR 160: PM 24–25.25 CH E9, within PM opposite SR 160	Implement best management practices to implement project	
	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	landscaping plan	
ntake 5 with pumping plant and 69 kV cransmission lines, ncluding realignment	1A, 4, 6A, 7, 8	Recreationists	Water-based: Sacramento River, within PM for SR 160 Cyclists: SR 160 PM 24–25.25	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
of SR 160			CH E9, within PM opposite SR 160	possible
(Pipeline/Tunnel and East Alignment)		Roadway Travelers	SR 160: PM 24–25.25 CH E9, within PM opposite SR 160	Mitigation Measure AES-1g: Implement best management
		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	practices to implement project landscaping plan
Intake W5 with pumping plant and 69 kV transmission lines, including realignment	1C, 2C, 6C	Recreationists	Water-based: Sacramento River, opposite SR 160 PM 22.5–24.25 Cyclists: 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
of CH E9 (West Alignment)		Roadway Travelers	CH E9, opposite SR 160 PM 22.5-24.25	Mitigation Measure AES-1g: Implement best management
		Residences and Businesses	Along CH E9, opposite SR 160 PM 22.5–24.25 Business along Randall Island Road	practices to implement project landscaping plan
Intake 6 with pumping plant and 69 kV transmission lines, including realignment of SR 160	2A, 2B	Recreationists	Water-based: Sacramento River, within PM for SR 160 Cyclists: SR 160 PM 18–19.5	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible
(Pipeline/Tunnel and East Alignment)		Roadway Travelers	River Road, opposite SR 160 PM 18–19.25 SR 160: PM 18–19.5 River Road, opposite SR 160 PM 18–19.25	Mitigation Measure AES-1g: Implement best management practices to implement project
		Residences and Businesses	Along SR 160: PM 18–19.5 River Road, opposite SR 160 PM 18–19.25	landscaping plan
Intake 7 with pumping plant and 69 kV transmission lines, including realignment of SR 160 (Pipeline/Tunnel and East Alignment)	2A, 2B	Recreationists	Water-based: Sacramento River, within PM for SR 160 Cyclists: 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:
		Roadway Travelers	SR 160: PM 16.75–18.25 River Road, within PM opposite SR 160	Implement best management practices to implement project landscaping plan
		Residences and Businesses	Along SR 160: PM 16.75-18.25	

Table 17E-1. Continued

Permanent Feature	Alternativesc	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Termanent reacure	Internatives		River Road, within PM opposite SR 160	- Intigation Fredorics
Intermediate Forebay with pumping plant and 69 kV transmission lines	1A, 2A, 3, 5, 6A, 7, 8	Recreationists Roadway	Cyclists: SR 160 PM 24.25–25.77 Lambert Road, Elk Slough, and Snodgrass Slough SR 160: PM 24.25–25.77	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible
(Pipeline/Tunnel Alignment)		Travelers Residences and Businesses	Lambert Road, Elk Slough, and Snodgrass Slough Along SR 160: PM 24.25–25.77	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
Intermediate Forebay with outlet structure and 69 kV transmission lines	4	Recreationists Roadway Travelers	Cyclists: Twin Cities Road and Snodgrass Slough Twin Cities Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible
(Pipeline/Tunnel Alignment)	Pipeline/Tunnel lignment)	Residences and Businesses	South of Twin Cities Road	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
Byron Tract Forebay (East) with Control Structures (Pipeline/Tunnel and	1A, 1B, 2A, 2B, 3, 5, 6A, 6B, 7, 8	Recreationists	Cyclists, Runners, Pedestrians: 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
East Alignment)		Roadway Travelers Residences and	Lindemann Road Herdlyn Road Byron Highway from North Bruns Way to Mountain House Lindemann Road, northern portion	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Businesses	Endemain Road, northern portion	
Expanded Clifton Court Forebay with Control Structures (Pipeline/Tunnel)	Recreationists	Cyclists, Runners, Pedestrians: 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	
	Roadway Travelers	Lindemann Road Herdlyn Road Byron Highway from Bruns Road to Mountain House	Mitigation Measure AES-1g: Implement best management practices to implement project	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Termanent reduce	Titernatives	Residences and Businesses	Lindemann Road, northern portion	landscaping plan
Byron Tract Forebay (West) with Control Structures (West Alignment)	1C, 2C, 6C	Recreationists Roadway Travelers Residences and Businesses	Cyclists: Clifton Court Road Herdlyn Road Mountain House Road Byron Highway from Clifton Court Road to Mountain House Road Resorts: Lazy M Marina on Clifton Court Road Clifton Court Road Herdlyn Road Mountain House Road Byron Highway from Clifton Court Road to Mountain House Road Lazy M Marina on Clifton Court Road Residence on North Bruns Way	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
Spoil/Borrow Area south of Intake 1	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	Residence or business on Bruns Way Cyclists: SR 160 PM 29.75–31	Mitigation Measure AES-1c: Develop and implement a spoil/
(Pipeline/Tunnel Alignment)		Roadway Travelers	SR 160 PM 29.75–31	borrow and reusable tunnel material area reclamation plan
		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 4 north of Intake 2 (Pipeline/Tunnel Alignment)	4	Recreationists Roadway Travelers	Cyclists: SR 160 PM 29-31 SR 160 PM 29-31	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
	ingilinency	Residences and Businesses	Along SR 160 PM 29–31 Southeast of Intake 1 and north of spoil/borrow area along	

Table 17E-1. Continued

Permanent Feature	Alternatives	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			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	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	Cyclists: 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
(Pipeline/Tunnel Alignment)		Roadway Travelers	SR 160: PM 24.25-25.77 Lambert Road, Elk Slough, and Snodgrass Slough	material area reclamation plan
		Residences and Businesses	Along SR 160: PM 24.25-25.77	
Spoil/Borrow Area southwest of Byron Highway	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
(Pipeline/Tunnel and East Alignment)		Roadway Travelers	Byron Highway, Bruns Road to California Aqueduct	material area reclamation plan
		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	2A, 2B, 2C, 4	Recreationists	Water-based: San Joaquin River Old River	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g:
Alignment)		Roadway Travelers	Cohen Road	
		Residences and Businesses	None	Implement best management practices to implement project landscaping plan
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/
		Roadway Travelers	SR 160 PM 29.5-32.5	borrow and reusable tunnel material area reclamation plan
		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	

Table 17E-1. Continued

Permanent Feature	Alternatives	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures	
	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> SR 160 PM 24.75–25.75	Mitigation Measure AES-1c: Develop and implement a spoil/	
Alignment)		Roadway Travelers	SR 160 PM 24.75–25.75	borrow and reusable tunnel material area reclamation plan	
		Residences and Businesses	Along SR 160 PM 24.75-25.75		
Spoil/Borrow Area south of Intake 5 (East	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> SR 160 PM 24.75–23.5	Mitigation Measure AES-1c: Develop and implement a spoil/	
Alignment)		Roadway Travelers	SR 160 PM 24.75–23.5 Lambert Road from intersection with Lambert Road to 90° bend in road	borrow and reusable tunnel material area reclamation plan	
		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	Roadway Travelers Residences and Businesses Residence / farm north of Di Residence north of Dierssen Road, Snodgrass St Dierssen Road, western end Residence south of Lambert Snodgrass Slough Residence / farm north of Di Residence north of Dierssen	th of	Recreationists	Cyclists: 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
Alignment)			Lambert Road, Snodgrass Slough to 1 mile west of I-5 Dierssen Road, western end to 0.5 mile west of I-5	material area reclamation plan	
		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			
Spoil/Borrow Areas south of W. Walnut Grove Road to SR 12 (East Alignment)	1B, 2B, 6B	Recreationists	Cyclists: 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	

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Termanone I cacare	THE STATE OF THE S	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	Thugation Fredorics
		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	Cyclists: West Eight Mile Road proposed canal bridge crossing to 1 mile west of I-5 East and west or 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 or Kings Island and North Rio Blanco Roads, north of West Eight Mile Road	
		Residences and Businesses	None with anticipated views	
Spoil/Borrow Areas	1B, 2B, 6B	Recreationists	None with anticipated views	Mitigation Measure AES-1c:
Rindge Tract (East Alignment)		Roadway Travelers	Large portions of West Rindge Road (private road)	Develop and implement a spoil/ borrow and reusable tunnel
		Residences and Businesses	7–10 scattered residences and farms on Rindge Tract	material area reclamation plan
Spoil/Borrow Area San Joaquin River to SR 4 (East Alignment)	1B, 2B, 6B	Recreationists	Cyclists: Windmill Cove Road between North Holt Road and Vulcan Island East and west of North Holt Road from Windmill Cove Road to	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan

Table 17E-1. Continued

	Ali di a	Affected		Marie III M
Permanent Feature	Alternatives	Viewers Groups	Locations Feature is Visible From Holt	Mitigation Measures
			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 Resort Users: Accessing on edges of Windmill Cove Resort & Marina	
		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	
Spoil/Borrow Area Roberts Island (East Alignment)	1B, 2B, 6B	Recreationists	Cyclists: 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	

Table 17E-1. Continued

Permanent Feature	Alternatives	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Termanent reacure	Thermatives	viewers droups	6–8 residences and farms of South Inland Drive and West Kingston School Road	Magadon Measures
Spoil/Borrow Area Union Island (East Alignment)	1B, 2B, 6B	Recreationists	Cyclists: 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	
Spoil/Borrow Area	1C, 2C, 6C	Recreationists	None with anticipated views	Mitigation Measure AES-1c:
northwest of Intake W1 (West Alignment)		Roadway Travelers	No public roads with anticipated views	Develop and implement a spoil/ borrow and reusable tunnel
		Residences and Businesses	1 or 2 residences or farms to northwest	material area reclamation plan
Spoil/Borrow Area southwest of Intake W2 (West Alignment)	1C, 2C, 6C	Recreationists	Cyclists: CH E9, opposite SR 160 PM 27–29.25	Mitigation Measure AES-1c: Develop and implement a spoil/
		Roadway Travelers	CH E9, opposite SR 160 27–29.25	borrow and reusable tunnel material area reclamation plan
		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.	

Table 17E-1. Continued

Permanent Feature	Alternatives	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
	1C, 2C, 6C	Recreationists	Cyclists: CH E9, opposite SR 160 PM 26–26.5 CR 144	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel
		Roadway Travelers	CH E9, opposite SR 160 PM 26-26.5 CR 144	material area reclamation plan
		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)	Recreationists	Cyclists: 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	
Spoil/Borrow Area northwest of CR 158 and Ryer Avenue (SR 84) (West Alignment)	1C, 2C, 6C	Recreationists	Cyclists: 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	

Table 17E-1. Continued

Permanent Feature	Alternatives	Affected	Locations Feature is Visible From	Mitigation Manageros
Permanent Feature	Alternatives	viewers Groups	CR 150	Mitigation Measures
			CR 149	
			North Courtland Road	
		D 11		
		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 Roadway Travelers	Cyclists: SR 84 PM Solano 13.00-Yolo 0.75 CR 161 Oxford Road Sutter Road Holland Road Resort Users: Accessing Arrowhead Harbor Marina SR 84 PM Solano 13.00-Yolo 0.75 CR 161 Oxford Road Sutter Road Holland Road	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Residences and Businesses	1 residence or farm SR 84 PM Yolo 0.25	
Spoil/Borrow Area on Ryer Island (West Alignment)	1C, 2C, 6C	Recreationists Roadway	Cyclists: SR 84 PM 7.25–12 SR 220 PM 0–0.5 Ryer Road East Ryer Road Elevator Road Sutter Island Road SR 84 PM 7.25–12	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Travelers	SR 220 PM 0-0.5 Ryer Road East Ryer Road Elevator Road	

Table 17E-1. Continued

	A1.	Affected		
Permanent Feature	Alternatives	Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			Sutter Island Road	
		Residences and	8 residences or farms SR 84 PM Solano 7.5–13	
		Businesses	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	Cyclists: 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	7
			10 residences on Byron Highway	
			3 residences on Sunset Road	
Spoil/Borrow Area	1C, 2C, 6C	Recreationists	3 residences on Sunset Road Cyclists:	Mitigation Measure AES-1c:
etween Orwood Road	10, 20, 00		Orwood Road	Develop and implement a spoil/
and SR 4 (West Alignment)			Byron Highway	borrow and reusable tunnel
			Balfour Road	material area reclamation plan
			Bixler Road	
			Chestnut Street near intersection with Byron Highway	
			Fallmand Boulevard near intersection with Bixler Road	
		Roadway	Orwood Road	7
		Travelers	Byron Highway	
			Balfour Road	
			Bixler Road	

Table 17E-1. Continued

Residences and Businesses 6C Recreationists	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 Cyclists: Byron Highway Bixler Road	Mitigation Measures Mitigation Measure AES-1c: Develop and implement a spoil/borrow and reusable tunnel
Businesses	Fallman Boulevard near intersection with Bixler Road 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 Cyclists: Byron Highway Bixler Road	Develop and implement a spoil/
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 Cyclists: Byron Highway Bixler Road	Develop and implement a spoil/
Businesses	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 Cyclists: Byron Highway Bixler Road	Develop and implement a spoil/
.6C Recreationists	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 Cyclists: Byron Highway Bixler Road	Develop and implement a spoil/
6C Recreationists	1 residence west of Byron Highway, along Chestnut Street 7–10 residences south of Balfour Road Cyclists: Byron Highway Bixler Road	Develop and implement a spoil/
6C Recreationists	1 residence west of Byron Highway, along Chestnut Street 7–10 residences south of Balfour Road Cyclists: Byron Highway Bixler Road	Develop and implement a spoil/
6C Recreationists	Cyclists: Byron Highway Bixler Road	Develop and implement a spoil/
6C Recreationists	Byron Highway Bixler Road	Develop and implement a spoil/
	Bixler Road	
		borrow and reusable tunnel
	n	borrow and reusable tunnel material area reclamation plan
	Point of Timber Road	
	SR 4 PM 43-45.75	
	Bypass Road, near intersection with SR 4	
	Byer Road	
Roadway	Byron Highway	
Travelers	Bixler Road	
	Point of Timber Road	
	SR 4 PM 43-45.75	
	Bypass Road, near intersection with SR 4	
	Byer Road	
Residences and	, , , , , , ,	
Businesses		
	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	
	Businesses	Businesses Byron Highway 1 residence south of Point of Timber Road 7–10 residences, farms, and businesses west of Byron Highway, 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

Table 17E-1. Continued

Permanent Feature	Alternatives	Affected	Locations Feature is Visible From	Mitigation Measures
	1C, 2C, 6C	Recreationists	Cyclists: Camino Diablo Road Western Farms Ranch Road Clifton Court Road Byron Highway from Clifton Court Road to Bruns Road Resort Users: 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 1A, 2A, 3, 4, Material Area north of Intake 2	1A, 2A, 3, 4, 5, 6A, 7, 8	Cyclists: 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	
(Pipeline/Tunnel Alignment)		Roadway Travelers	SR 160: PM 29.5–30.5 Scribner Road: SR 160 to end	material area reclamation plan
		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	4	Recreationists	<u>Cyclists:</u> Lambert Road	Mitigation Measure AES-1c: Develop and implement a spoil/
Lambert Road (Pipeline/Tunnel	ine/Tunnel	Roadway Travelers	Lambert Road	borrow and reusable tunnel material area reclamation plan
Alignment)		Residences and Businesses	South of Lambert Road	
Reusable Tunnel Material Area north of	Reusable Tunnel 4 Material Area north of	Recreationists	Cyclists: Dierssen Road	Mitigation Measure AES-1c: Develop and implement a spoil/
Dierssen Road (Pipeline/Tunnel Alignment)		Roadway Travelers	Dierssen Road	borrow and reusable tunnel material area reclamation plan

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
		Residences and Businesses	North and south of Dierssen Road	- Thingarion - Toucardo
Reusable Tunnel Material Area north of	4	Recreationists	Cyclists: Twin Cities Road	Mitigation Measure AES-1c: Develop and implement a spoil/
Twin Cities Road (Pipeline/Tunnel		Roadway Travelers	Twin Cities Road	borrow and reusable tunnel material area reclamation plan
Alignment)		Residences and Businesses	North of Twin Cities Road	
Reusable Tunnel Material Area south of	4	Recreationists	Cyclists: Twin Cities Road	Mitigation Measure AES-1c: Develop and implement a spoil/
Twin Cities Road (Pipeline/Tunnel		Roadway Travelers	Twin Cities Road	borrow and reusable tunnel material area reclamation plan
Alignment)		Residences and Businesses	South of Twin Cities Road	
Reusable Tunnel Material Area east of	4	Recreationists	Cyclists: Twin Cities Road and Snodgrass Slough	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
Snodgrass Slough (Pipeline/Tunnel		Roadway Travelers	Twin Cities Road	
Alignment)		Residences and Businesses	None	
Reusable Tunnel Material Area south of	1A, 2A, 3, 5, 6A, 7, 8 Roadway Travelers	Recreationists	Cyclists: 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
Isleton Road (Pipeline/Tunnel			Isleton Road, opposite SR 160 PM 12.25–13.5	
Alignment)		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	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Reusable Tunnel Material Area on north Staten Island	4	Recreationists Roadway	Cyclists: Staten Island Road and Gas Well Road Staten Island Road and Gas Well Road	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel
(Pipeline/Tunnel		Travelers	State i Island Road and das Well Road	material area reclamation plan
Alignment)		Residences and Businesses	2 at the intersection of Staten Island and Gas Well Roads Several along Gas Well Road west if Staten Island Road at Eagle Tree 1 east of Staten Island Road at the southern end of the RTM area	
Reusable Tunnel Material Area on south Staten Island (Pipeline/Tunnel Alignment)	4	Recreationists	Cyclists: Staten Island Road (note, road is private here) Water-based: 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	
Reusable Tunnel Material Area south of SR 12	4	Recreationists	Water-based: Potentially boaters on Little Potato Slough and South Mokelumne River	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel
(Pipeline/Tunnel Alignment)		Roadway Travelers	SR 12 PM 1.5-2.5	material area reclamation plan
		Residences and Businesses	None	
	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	Cyclists: South Bacon Island Road	Mitigation Measure AES-1c: Develop and implement a spoil/
		Roadway Travelers	South Bacon Island Road	borrow and reusable tunnel material area reclamation plan
		Residences and Businesses	1 residence or farm to the northeast	
Reusable Tunnel Material Areas west of	4	Recreationists	Cyclists: Byron Highway	Mitigation Measure AES-1c: Develop and implement a spoil/

Table 17E-1. Continued

Decree of Fred	Alternations	Affected	Lood on Post of Widdle Post	MCC - C - M
Permanent Feature	Alternatives	viewers Groups	Locations Feature is Visible From	Mitigation Measures borrow and reusable tunnel
Clifton Court Forebay			Western Farms Ranch Road	material area reclamation plan
(Pipeline/Tunnel Alignment)			Clifton Court Road	material area reciamation plan
Angimentj			Resort Users:	
			<u>Lazy M Marina</u>	
		Roadway	Byron Highway	
		Travelers	Western Farms Ranch Road	
			Clifton Court Road	
		Residences and	Lazy M Marina	
		Businesses	Near Byron Inn Café	
			Along Byron Hot Springs Road, near intersection with Byron Highway	
Reusable Tunnel	1A, 2A, 3, 5,	Recreationists	<u>Cyclists:</u>	Mitigation Measure AES-1c:
Material Area on	6A, 7, 8	5A, 7, 8	SR 4 PM 0-1.75	Develop and implement a spoil/
Victoria Island		Roadway	SR 4 PM 0-1.75	borrow and reusable tunnel
(Pipeline/Tunnel		Travelers		material area reclamation plan
Alignment)		Residences and Businesses	1 farm to south of SR 4 PM 1.25	
Reusable Tunnel	1B, 2B, 6B	Recreationists	Cyclists:	Mitigation Measure AES-1c:
Material Area north of		North Vail Road, northern end to just south of West Lauffer	Develop and implement a spoil/	
West Walnut Grove			Road	borrow and reusable tunnel
Road (East Alignment)			Blossom Road, northern end to canal crossing	material area reclamation plan
			Barber Road, all	
			West Walnut Grove Road, 1.25 miles west of I-5	
		Roadway	North Vail Road, northern end to just south of West Lauffer	
		Travelers	Road	
			Blossom Road, northern end to canal crossing	
			Barber Road, all	_
			West Walnut Grove Road, 1.25 miles west of I-5	
		Residences and	2–3 scattered residences south of and adjacent to Mokelumne	
		Businesses	River	
			North Vail Road, northern end to just south of West Lauffer	
			Road	
			3 residences along Blossom Road, north of canal crossing	

Table 17E-1. Continued

Permanent Feature	Alternatives	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			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	1B, 2B, 6B	Recreationists Roadway	None with anticipated views Large portions of West Rindge Road (private road)	Mitigation Measure AES-1c: Develop and implement a spoil/
Tract (East Alignment)		Travelers Residences and Businesses	7–10 scattered residences and farms on Rindge Tract	borrow and reusable tunnel material area reclamation plan
Reusable Tunnel	1B, 2B, 6B	Recreationists	None with anticipated views	Mitigation Measure AES-1c:
Material Area on Union Island (East Alignment)		Roadway Travelers	No public roads with anticipated views	Develop and implement a spoil/ borrow and reusable tunnel
		Residences and Businesses	None with anticipated views	material area reclamation plan
Reusable Tunnel Material Area near the control structure south	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
of SR 220 (West Alignment)		Roadway Travelers	SR 84 PM 7.25-9 SR 220 PM 0-0.25	material area reclamation plan
		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
		Roadway Travelers	SR 12 PM 1.25-3 SR 160 PM 5.75-7.5	material area reclamation plan
		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	1
Reusable Tunnel Material Area north of Delta Road (West Alignment)	1C, 2C, 6C	Recreationists	Cyclists: Delta Road Easy Street Tule Lane	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected	Locations Feature is Visible From	Mitigation Measures
Termanent reacure	THE HALVES	viewers droups	Fire Place Bartels Drive Blaine Lane Ghigliazza Way	Mugadon Measures
		Roadway Travelers	Delta Road Easy Street Tule Lane Fire Place Bartels Drive Blaine Lane	
		Residences and Businesses	Ghigliazza Way 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	
Ventilation and Shaft Site north of Lambert Road (Pipeline/Tunnel Alignment)	4	Recreationists	Cyclists: Lambert Road, Water-based: Elk Slough and Snodgrass Slough	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
Tangamone)		Roadway Travelers Residences and Businesses	Lambert Road 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	Cyclists: 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	material area recialilation pian

Table 17E-1. Continued

Permanent Feature	Alternativesc	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
		Residences and Businesses	1 residence/farm at Vorden Road intersection with Herzog Road	
Ventilation and Shaft Site northern portion of Tyler Island	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
(Pipeline/Tunnel Alignment)		Roadway Travelers	Tyler Island Road east and west of site Brunk Road	material area reclamation plan
		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 south of Walnut	4	Recreationists	Cyclists: Walnut Grove Road and Staten Island Road	Mitigation Measure AES-1c: Develop and implement a spoil/
Grove Road (Pipeline/Tunnel Alignment)		Roadway Travelers	Walnut Grove Road and Staten Island Road	borrow and reusable tunnel material area reclamation plan
		Residences and Businesses	1 west of Staten Island Road just south of Walnut Grove Road	
Ventilation and Shaft Site on north Staten	4	Recreationists	<u>Cyclists:</u> Staten Island Road and Gas Well Road	Mitigation Measure AES-1c: Develop and implement a spoil/
Island (Pipeline/Tunnel		Roadway Travelers	Staten Island Road and Gas Well Road	borrow and reusable tunnel material area reclamation plan
Alignment)		Residences and Businesses	2 at the intersection of Staten Island and Gas Well Roads Several along Gas Well Road west if Staten Island Road at Eagle Tree 1 east of Staten Island Road at the southern end of the RTM area	
Ventilation and Shaft Site on south Staten Island (Pipeline/Tunnel Alignment)	4	Recreationists	Cyclists: Staten Island Road (note, road is private here) Water-based: 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	

Table 17E-1. Continued

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

Table 17E-1. Continued

Ventilation and Shaft Sites north of Victoria Canal (Pipeline/Tunnel Alignment)	Mitigation Measures
Alignment) Travelers Residences and Businesses Ventilation and Shaft Site west of Clifton Court Forebay (Pipeline/Tunnel Alignment) Roadway Travelers Residences and Businesses Recreationists Syron Highway Western Farms Ranch Road Clifton Court Road Resort Users: Lazy M Marina Roadway Travelers Western Farms Ranch Road Clifton Court Road Clifton Court Road Residences and Businesses Residences and Businesses Recreationists Syron Highway Western Farms Ranch Road Clifton Court Road Clifton Court Road Clifton Court Road Residences and Businesses Residences and Businesses Went Byron Inn Café Along Byron Hot Springs Road, near intersection with Byron Highway West Twitchell Island Road Roadway Travelers Residences and Businesses Ventilation and Shaft Sites on Bethel Island (West Alignment) Travelers Cyclists: Bethel Island Road Taylor Road	Mitigation Measure AES-1c: Develop and implement a spoil/
Wentilation and Shaft Site west of Clifton Court Forebay (Pipeline/Tunnel Allignment) Roadway Travelers Wentilation and Shaft Sites on Twitchell Island (West Alignment) Businesses Businesses Recreationists Cyclists: Byron Highway Western Farms Ranch Road Clifton Court Road Resort Users: Lazy M Marina Near Byron Highway Western Farms Ranch Road Clifton Court Road Residences and Businesses Recreationists Cyclists: West Twitchell Island Road Roadway Travelers Recreationists Cyclists: West Twitchell Island Road West Twitchell Island Road Travelers Residences and Businesses Ventilation and Shaft Sites on Bethel Island (West Alignment) Recreationists Cyclists: West Twitchell Island Road Twitchell Island Road Taylor Road Cyclists: Bethel Island Road Taylor Road	borrow and reusable tunnel material area reclamation plan
Site west of Clifton Court Forebay (Pipeline/Tunnel Alignment) Roadway Travelers Ventilation and Shaft Sland (West Alignment) Population and Shaft Sites on Bethel Island (West Alignment) Roadway Travelers Roadway Travelers Roadway Travelers Roadway Travelers Roadway Travelers Residences and Businesses Recreationists Recreationists Residences and Businesses Recreationists Recreationists Cyclists: West Twitchell Island Road Taylor Road Cyclists: Bethel Island Road Taylor Road	
Travelers Western Farms Ranch Road Clifton Court Road Residences and Businesses Near Byron Inn Café Along Byron Hot Springs Road, near intersection with Byron Highway Ventilation and Shaft Sites on Twitchell Island (West Alignment) Recreationists Cyclists: West Twitchell Island Road Roadway Travelers Residences and Businesses Ventilation and Shaft Sites on Bethel Island (West Alignment) Travelers Recreationists Cyclists: West Twitchell Island Road None with anticipated views Step 1 C, 2C, 6C Recreationists Cyclists: Bethel Island Road Taylor Road	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
Businesses Near Byron Inn Café Along Byron Hot Springs Road, near intersection with Byron Highway Ventilation and Shaft Sites on Twitchell sland (West Alignment) Recreationists Recreationists West Twitchell Island Road West Twitchell Island Road West Twitchell Island Road None with anticipated views Ventilation and Shaft Sites on Bethel Island West Alignment) Recreationists Cyclists: Bethel Island Road Taylor Road	
Ventilation and Shaft Sites on Twitchell Island (West Alignment) Recreationists Cyclists: West Twitchell Island Road West Twitchell Island Road West Twitchell Island Road None with anticipated views Ventilation and Shaft Sites on Bethel Island (West Alignment) Recreationists Cyclists: Recreationists Cyclists: Bethel Island Road Taylor Road	
Alignment) Travelers Residences and Businesses Ventilation and Shaft Sites on Bethel Island West Alignment) Residences and Businesses Cyclists: Bethel Island Road Taylor Road	Mitigation Measure AES-1c: Develop and implement a spoil/
Businesses Ventilation and Shaft Sites on Bethel Island West Alignment) Businesses Cyclists: Bethel Island Road Taylor Road	borrow and reusable tunnel material area reclamation plan
Sites on Bethel Island (West Alignment) Bethel Island Road Taylor Road	
Roadway Bethel Island Road	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel
Travelers Taylor Road	material area reclamation plan

Table 17E-1. Continued

Permanent Feature	Alternatives	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
- Cimanene i catare	Titternatives	Residences and	1 residence west of Bethel Island Road	Finigation Measures
		Businesses	2 residences on Cottage Lane	
			Several residences along Taylor Road	
Canals, Pump Houses, and Transmission Lines between Intake 1 and West Walnut Grove Road, near I-5, Segment (East Alignment)	1B, 2B, 6B	Recreationists Roadway Travelers	Cyclists: SR 160 PM 24.25–32.75 CH E9, opposite SR 160 PM 27.75–27.75 Hood Franklin Road 5th Street, near Hood Franklin Road 8th 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 SR 160 PM 24.25–32.75 CH E9, opposite SR 160 PM 27.75–27.75 Hood Franklin Road 5th Street, near Hood Franklin 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
		Residences and Businesses	8th 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 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	

Table 17E-1. Continued

Permanent Feature Alternatives Viewers Groups Locations Feature is Visible From Mitigation Measures 1-3 residences at northern end of 5th Street 5-8 residences along 8th 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 Canals, Pump Houses, and Transmission Lines south of West Walnut Grove Road Segment Permanent Feature 1-3 residences at northern end of 5th Street 5-8 residences at northern end of 5th Street 6-8 residences at northern end of Blair Street 6 residences at northern end of Blair Street 6 residences at northern end of Blair Street 6 residences at eastern end
(East Alignment) mile east of intersection West Woodbridge Road SR 12 PM 8–9.5 North Guard Road Guard Road West Eight Mile Road West Eight Mile Road Mitigation Measure AES-1g: Implement best management project landscaping plan

Table 17E-1. Continued

Darmanont Foature	Altornatives	Affected	Locations Feature is Visible From	Mitigation Massuras
Permanent Feature	Alternatives ^c		Locations Feature is Visible From 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 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	Mitigation Measures
		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	

Table 17E-1. Continued

		Affected		
Permanent Feature	Alternatives	Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			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	
Canals, Pump Houses, and Transmission Lines northern Segment (West Alignment)	1C, 2C, 6C	Recreationists	Cyclists: 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 Water-Based: Miner's Slough within SR 84 PM 7.25-8.00 Sacramento River within SR 160 PM 26.50-27.25	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

Table 17E-1. Continued

D	A1	Affected		A 600
Permanent Feature	Alternatives	Viewers Groups	Locations Feature is Visible From Sutter Slough	Mitigation Measures
			Park Users:	
			<u> </u>	
			Accessing Clarksburg Fishing Access	
		Roadway Travelers	SR 160 PM 26.50-27.25	
		Travelers	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	
		D 11		_
		Residences and Businesses	2 residences or farms on Jefferson Boulevard PM 4.75–6.50	
		Dusinesses	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	
Canals, Pump Houses, and Transmission Lines	1C, 2C, 6C	Recreationists	<u>Cyclists:</u>	Mitigation Measure AES-1e:
southern Segment			SR 84 PM 9.25-10.25 and PM 42.75-45.75	Apply aesthetic design treatments to all structures to the extent possible
(West Alignment)			Sycamore Drive	
			Elevator Road	Mitigation Measure AES-1g:
			East Cypress Road	Implement best management
			Mahoney Lane	practices to implement project
			Cow Poke Lane	landscaping plan
			Tule Lane	
			Fire Place	

17E-29

Table 17E-1. Continued

	A1	Affected		
Permanent Feature	Alternatives	Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			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	
			Fertado Lane	
			Valley Oak Drive	
			Taylor Lane	
			Kellogg Creek Road	
			Regatta Drive	
			South Coral Street	
			Coastal Court	
			Seagull Court	
			Byer Road	

Table 17E-1. Continued

D	A1	Affected		200
Permanent Feature	Alternativesc	Viewers Groups	Locations Feature is Visible From Rancho Sereno Road	Mitigation Measures
			Water-Based:	
			Miner's Slough within SR 84 PM 9.25-10.25	
			Rock Slough	
			Private Clubs:	
			Approach to Veale Pheasant Club	
			Approach to Hunting Club	
		Roadway	SR 84 PM 9.25-10.25 and PM 42.75-45.75	
		Travelers	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	

Table 17E-1. Continued

Danis and Fasting	Ale	Affected	Lastina Patana is Walla Para	Mitiantian Managan
Permanent Feature	Alternatives	viewers Groups	Locations Feature is Visible From Brentwood Boulevard	Mitigation Measures
			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	1
		Residences and Businesses	3 residences or farms and 1 business on SR 84 PM 9.25–10.25	
		businesses	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	

Table 17E-1. Continued

Permanent Feature	Alternatives	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
rei manent reature	Aiternatives	l viewers Groups	5 residences on Birchfield Road	Mitigation Measures
			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	
			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	1B, 2B, 6B	Recreationists	Cyclists:	Mitigation Measure AES-1e:
access road south of			SR 160 PM 27.75-28.75	Apply aesthetic design treatment
Intake 2, west of North		Roadway	SR 160 PM 27.75-28.75	to all structures to the extent

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected	Locations Feature is Visible From	Mitigation Measures
Stone Lake (East	Thermatives	Travelers	Locations reactive is visible from	possible
Alignment)		Residences and Businesses	Along SR 160 PM 27.75–28.75	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
Bridge on Hood Franklin Road (East Alignment)	1B, 2B, 6B	Recreationists	Cyclists: Hood Franklin Road 5th Street, near Hood Franklin Road 8th 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:
		Roadway Travelers	Hood Franklin Road 5th Street, near Hood Franklin Road 8th Street, southern end Blair Street, eastern end	Implement best management practices to implement project landscaping plan
		Residences and Businesses	5th Street, near Hood Franklin Road 8th Street, southern end Blair Street, eastern end	
Bridge on Lambert Road (East Alignment)	1B, 2B, 6B	Recreationists	Cyclists: 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
		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	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
Bridge on Dierssen Road (East Alignment)	1B, 2B, 6B		Cyclists: Dierssen Road, western end to 0.5 mile west of I-5	Mitigation Measure AES-1e: Apply aesthetic design treatments
		Roadway Travelers	Dierssen Road, western end to 0.5 mile west of I-5	to all structures to the extent possible
		Residences and Businesses	None	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan

Table 17E-1. Continued

Permanent Feature	Alternativesc	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Bridge on Twin Cities Road (East Alignment)		Recreationists Roadway Travelers	Cyclists: Twin Cities Road, I-5 to 1.5 mile west of I-5 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:
		Residences and Businesses	1 residence/farm south of Twin Cities Road, 1.5 mile west of I-5	Implement best management practices to implement project landscaping plan
Bridge on West Barber Road (East Alignment)	1B, 2B, 6B	Recreationists	Cyclists: 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
		Roadway Travelers	Barber Road Northern end of North Vail Road Northern end of Blossom Road	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		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	Cyclists: 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
		Roadway Travelers	West Walnut Grove Road, I-5 to 1.5 mile west of I-5	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		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	Cyclists: 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
		Roadway Travelers	West Peltier Road from intersection with Blossom Road to 1 mile east of intersection	possible Mitigation Measure AES-1g:
		Residences and Businesses	None	Implement best management practices to implement project landscaping plan

Table 17E-1. Continued

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

Table 17E-1. Continued

	A1	Affected		M
Permanent Feature	Alternatives	Viewers Groups	Locations Feature is Visible From King Island Road	Mitigation Measures practices to implement project
		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	landscaping plan
Bridge on West McDonald Road (East Alignment)	1B, 2B, 6B	Recreationists	Cyclists: West McDonald Road Inland Drive North Holt Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible
		Roadway Travelers	West McDonald Road Inland Drive North Holt Road	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Residences and Businesses	Business east of Inland Drive School west of North Holt Road	
Bridge on SR 4 (East Alignment)	1B, 2B, 6B	Recreationists	Cyclists: North of SR 4 PM 8.75–10.25	Mitigation Measure AES-1e: Apply aesthetic design treatments
		Roadway Travelers	North of SR 4 PM 8.75-10.25	to all structures to the extent possible
		Residences and Businesses	Residences and businesses north and south of SR 4 PM 8.75 and north of PM 9.6 $$	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
Bridge on West Kingston School Road (East Alignment)	1B, 2B, 6B	Recreationists	Cyclists: 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
		Travelers Residences and	West Kingston School Road South Inland Drive SR 4 PM 8.2	Mitigation Measure AES-1g: Implement best management practices to implement project
			1 residence north of bridge on West Kingston School Road 1 business on South Inland Drive	landscaping plan

Table 17E-1. Continued

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

Table 17E-1. Continued

Dawn and Fasture	A14	Affected	Lastina Fatura is Waible From	Mikinski an Mananna	
Permanent Feature	Alternatives	viewers Groups	Locations Feature is Visible From Water-Based:	Mitigation Measures landscaping plan	
			Sacramento River within SR 160 PM 26.50–27.25	lanuscaping plan	
			Sutter Slough		
		Roadway Travelers	SR 160 PM 26.50 – 27.25		
		Travelers	CH E9 within PM opposite SR 160		
			CR 144		
			CR 142		
		Residences and	2 residences or farms on CR 144		
		Businesses	5 residences or farms on CH E9		
Bridge on CR 158 (West Alignment)	1C, 2C, 6C	1C, 2C, 6C Recre	Recreationists	Cyclists: SR 84 PM 1.25–2.5 CR 150	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		- ·	CR 149	material area reclamation plan	
		Roadway Travelers	SR 84 PM 1.25-2.5		
			CR 150 CR 149		
		Residences and	3 residences or farms SR 84 PM 1.25–1.75		
		Businesses	3 residences of farms SR 84 PM 1.25–1.75		
Bridge on CR 161 (West	1C, 2C, 6C	Recreationists	Cyclists:	Mitigation Measure AES-1e:	
Alignment)			SR 84 PM Solano 13.25 – Yolo 0.25	Apply aesthetic design treatments	
			CR 161	to all structures to the extent possible	
		Roadway	SR 84 PM Solano 13.25 – Yolo 0.25	•	
		Travelers	CR 161	Mitigation Measure AES-1g: Implement best management	
		Residences and Businesses	1 residence or farm on SR 84 PM 0.25	practices to implement project landscaping plan	
Bridge on SR 220 (West	1C, 2C, 6C	Recreationists	Cyclists:	Mitigation Measure AES-1e:	
Alignment)			SR 84 PM 7.25–8.00	Apply aesthetic design treatments	
			SR 220 PM 0.00-1.5	to all structures to the extent possible	

Table 17E-1. Continued

Permanent Feature	Alternatives	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
1 crimanent i cature	Aiternatives	viewers droups	Water-Based:	Mitigation Measure AES-1g:
			Miner's Slough within SR 84 PM 7.25–8.00	Implement best management
		Roadway	SR 84 PM 7.25–8.00	practices to implement project
		Travelers	SR 220 PM 0.00-1.5	landscaping plan
		Residences and	1 residence or farm on SR 84 PM 7.75	
		Businesses	1 residence or farm on SR 220 PM 1.25	
Duidge on CD 4 (Taylor	10.00.60			N
Bridge on SR 4 (Taylor Lane) (West Alignment)	1C, 2C, 6C	Recreationists	Cyclists:	Mitigation Measure AES-1e: Apply aesthetic design treatments
Lane) (West Angiment)			SR 4 PM 44.00-45.50	to all structures to the extent
			CR J4	possible
			Byron Highway	Mitigation Measure AES-1g:
			Taylor Lane	Implement best management
		Roadway	Kellogg Creek Road	practices to implement project
			Regatta Drive	landscaping plan
			South Coral Street	
			Coastal Court	
			Seagull Court	
			SR 4 PM 44.00-45.50	
		Travelers	CR J4	
			Byron Highway	
			Taylor Lane	
			Kellogg Creek Road	
			Regatta Drive	
			South Coral Street	
			Coastal Court	
			Seagull Court	
		Residences and	4 residences or businesses on Byron Highway	
		Businesses	5–10 residences or businesses on Taylor Lane	
			3 residences on Kellogg Creek Road	

Table 17E-1. Continued

		Affected		
Permanent Feature	Alternatives	Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			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	1C, 2C, 6C	Recreationists	Cyclists:	Mitigation Measure AES-1e:
Boulevard (West			SR 84 (Jefferson Boulevard) PM 4.75-6.50	Apply aesthetic design treatments to all structures to the extent
Alignment)		Roadway Travelers	SR 84 (Jefferson Boulevard) PM 4.75-6.50	possible
		Residences and	2 residences or farms on Jefferson Boulevard PM 4.75–6.50	Mitigation Measure AES-1g:
		Businesses	1 residence or farm on Waukeena Road	Implement best management practices to implement project
				landscaping plan
Bridge on Elevator	1C, 2C, 6C	1C, 2C, 6C Recreationists	Cvclists:	Mitigation Measure AES-1e: Apply aesthetic design treatments
Road (West Alignment)			SR 84 PM 9.25-10.25	
			Elevator Road	to all structures to the extent possible
			Water-Based:	-
			Miner's Slough within SR 84 PM 9.25-10.25	Mitigation Measure AES-1g: Implement best management
		Roadway Travelers	SR 84 PM 9.25-10.25	practices to implement project
			Elevator Road	landscaping plan
		Residences and	Three residences or farms on SR 84 PM 9.25-9.75	
		Businesses	One business on SR 84 PM 9.75	
Bridge on Delta Road	1C, 2C, 6C	Recreationists	Cyclists:	Mitigation Measure AES-1e:
(West Alignment)			Delta Road	Apply aesthetic design treatments
			Byron Highway	to all structures to the extent possible
			Poe Lane	•
			Mountain View Drive	Mitigation Measure AES-1g: Implement best management
			Baldocchi Court	practices to implement project
			Eagle Lane	landscaping plan
			Private Clubs:	

Table 17E-1. Continued

D	All II o	Affected		Marie M.
Permanent Feature	Alternatives	Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			Approach to Veale Pheasant Club	
			Water-Based:	
			Rock Slough	
		Roadway Travelers	Delta Road	
		Travelers	Byron Highway	
			Poe Lane	
			Mountain View Drive	
			Baldocchi Court	
			Eagle Lane	
		Residences and	13 Residences on Delta Road	
		Businesses	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	
Bridge on Orwood Road	1C, 2C, 6C	Recreationists	Cyclists:	Mitigation Measure AES-1e:
(West Alignment)			Byron Highway	Apply aesthetic design treatments
			Birchfield Road	to all structures to the extent possible
			Crystal Lane	
			Orwood Road	Mitigation Measure AES-1g: Implement best management
			Bixler Road	practices to implement project
		Roadway	Byron Highway	landscaping plan
		Travelers	Birchfield Road	
			Crystal Lane	
			Orwood Road	
			Bixler Road	
		Residences and	3 residences or businesses on Byron Highway	
		Businesses	5 residences on Birchfield Road	

Table 17E-1. Continued

Dames and Carteria	A1+ C	Affected	Lastina Patus is Walls From	Mitiration Managemen
Permanent Feature	Alternatives ^c	viewers Groups	Locations Feature is Visible From 4r residences on Crystal Lane	Mitigation Measures
			6 residences or businesses on Orwood Road	
Bridge on Balfour Road (West Alignment)	1C, 2C, 6C	Recreationists Roadway Travelers Residences and Businesses	2 residences on Bixler Road Cyclists: Chestnut Street Byron Highway Balfour Road Bixler Road Chestnut Street Byron Highway Balfour Road I residence on Chestnut Street 5 residences or businesses on Byron Highway 10 residences on Hathorne 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
Bridge on Point of Timber Road (West Alignment)	1C, 2C, 6C	Recreationists Roadway Travelers	Cyclists: SR 4 PM 42.75–43.50 Byron Highway Brentwood Boulevard Point of Timber Road Bixler Road SR 4 PM 42.75–43.50 Byron Highway Brentwood Boulevard Point of Timber Road Bixler Road Bixler Road Bixler 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
		Residences and Businesses	11 residences or businesses on Byron Highway	

Table 17E-1. Continued

Permanent Feature	Alternatives	Affected	Locations Feature is Visible From	Mitigation Measures
rei manent reature	Aiternatives	viewers droups	1 residence on Point of Timber Road	Midgation Measures
			1 Fire Station on Bixler Road	
			1 residences on Coronado Court	
Bridge on Marsh Creek Road (West Alignment)	1C, 2C, 6C	Recreationists Roadway Travelers	Cyclists: 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 SR 4 PM 43.50–45.00 CR J4 Byron Highway Bypass Road Marsh Creek Road Ellisa Lane Fertado Lane	Mitigation Measure AES-1e: Apply aesthetic design treatment to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		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	

Table 17E-1. Continued

_		Affected		
Permanent Feature	Alternatives	Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			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	Cyclists:	Mitigation Measure AES-1e:
(west Angilinent)			SR 4 PM 45.00–45.75	Apply aesthetic design treatments to all structures to the extent
			Taylor Lane	possible
			Bixler Road	Mitigation Measure AES-1g:
			Kellogg Creek Road	Implement best management
			Byer Road	practices to implement project
			Rancho Sereno Road	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	
Bridge on Cow Poke	1C, 2C, 6C	Recreationists	Cyclists:	Mitigation Measure AES-1e:
Lane (West Alignment)			East Cypress Road	Apply aesthetic design treatments
			Mahoney Lane	to all structures to the extent possible
			Cow Poke Lane	
			Tule Lane	Mitigation Measure AES-1g: Implement best management
			Fire Place	practices to implement project
		Roadway	East Cypress Road	landscaping plan
		Travelers	Mahoney Lane	
			Cow Poke Lane	

Table 17E-1. Continued

Permanent Feature	Altornativos	Affected	Locations Feature is Visible From	Mitigation Managera
Permanent Feature	Alternatives	viewers Groups	Tule Lane	Mitigation Measures
			Fire Place	
		Residences and		-
		Businesses	16 residences or businesses on East Cypress Road 3 residences or farms on Tule Lane	
		Businesses	3 residences or farms on Tule Lane 3 residences or farms on Fire Place	
Dwidge on Eagle Lane	10.00.60	D		NO. 1
Bridge on Eagle Lane (West Alignment)	1C, 2C, 6C	Recreationists	Cyclists: 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 Private Club: 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	
Bridge on Byron Highway (West Alignment)	1C, 2C, 6C	Recreationists	Cyclists: Byron Highway Holey Road North Bruns Way Bruns Road Resort Users: Lazy M Marina Park Users: 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

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
		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	Cyclists: 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 Water-based: 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	Concentration of residences and businesses along: 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	
Operable Barrier and 12 kV Transmission Lines on The Meadows Slough (Through Delta/Separate	9	Recreationists	Cyclists: SR 160 PM 15–15.25 River Road, opposite PM SR 160 15–15.25 Water-based:	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible
Corridors)		Roadway Travelers	Along SR 160 PM 13.25–15.25 SR 160 PM 15–15.25	Mitigation Measure AES-1g: Implement best management practices to implement project

Table 17E-1. Continued

Permanent Feature	Alternatives	Affected	Locations Feature is Visible From	Mitigation Magazines
Permanent reature	Alternatives	viewers Groups	River Road, opposite PM SR 160 15–15.25	Mitigation Measures landscaping plan
		Residences and Businesses	Concentration of residences and businesses along: SR 160 PM 15–15.25 River Road, opposite PM SR 160 15–15.25	idituscaping pian
Operable Barrier and 12 kV Transmission Lines on Snodgrass Slough (Through	9	Recreationists	Cyclists/Hikers: Using Levee Road Water-based: On Snodgrass Slough	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible
Delta/Separate Corridors)		Roadway Travelers	None	Mitigation Measure AES-1g: Implement best management
		Residences and Businesses	None	practices to implement project landscaping plan
Operable Barrier and 12 kV Transmission Lines on Delta Cross Channel (Through Delta/Separate Corridors)	9	Recreationists	Cyclists: SR 160 PM 14.25–14.5 River Road, opposite PM SR 160 14.25–14.5 Levee Road Water-based: Along SR 160 PM 13.25–15.25 Delta Cross Channel Park:	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	Off of Levee Road SR 160 PM 14.25–14.5 River Road, opposite PM SR 160 14.25–14.5 Levee Road	
		Residences and Businesses	Concentration of residences and businesses along: 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	
Operable Barrier and 12 kV Transmission	9	Recreationists	Cyclists: River Road	Mitigation Measure AES-1e: Apply aesthetic design treatments

Table 17E-1. Continued

Permanent Feature	Alternatives	Affected	Locations Feature is Visible From	Mitigation Measures
Lines on Georgiana Slough (Through	Aiternatives	viewers Groups	Isleton Road Andrus Island Road	to all structures to the extent possible
Delta/Separate Corridors)		Roadway	Levee Road <u>Water-based:</u> Along SR 160 PM 14–14.10 Georgiana Slough River Road	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Travelers	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 2 kV Transmission	9	Recreationists	Water-based: On Mokolumne River	Mitigation Measure AES-1e: Apply aesthetic design treatment
Lines on Mokolumne River (Through Delta/Separate Corridors) Operable Barrier and 12 kV Transmission Lines on Fisherman's Cut (Through Delta/Separate	er (Through ta/Separate rridors) erable Barrier and kV Transmission es on Fisherman's t (Through	Roadway Travelers	None	to all structures to the extent possible
		Residences and Businesses	None	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Recreationists	Water-based: San Joaquin River Fisherman's Cut	Mitigation Measure AES-1e: Apply aesthetic design treatment to all structures to the extent possible
		Roadway Travelers	None	Mitigation Measure AES-1g:
Corridors)		Residences and Businesses	6–10 houses, boat homes, or cabins on Bradford Island along Fisherman's Cut	Implement best management practices to implement project landscaping plan
Operable Barrier, Pumping Plant, and 12 kV Transmission Lines on the Head of Old River (Franks Tract) (Through	9	Recreationists	Water-based: San Joaquin River Old River	Mitigation Measure AES-1e: Apply aesthetic design treatmen to all structures to the extent possible
		Roadway Travelers	None	Mitigation Measure AES-1g: Implement best management

Table 17E-1. Continued

Permanent Feature	Alternatives ^c	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures	
Delta/Separate Corridors)		Residences and Businesses	None	practices to implement project landscaping plan	
Operable Barrier and 12 kV Transmission Lines on Old River	9	Recreationists	Water-based: Middle River Connection Slough	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible	
connection to Middle River (Connection		Roadway Travelers	South Bacon Island Road	Mitigation Measure AES-1g:	
Slough) (Through Delta/Separate Corridors)		Residences and Businesses	1 residence northwest of barrier on Mandeville Island	Implement best management practices to implement project landscaping plan	
Operable Barrier and 12 kV Transmission Lines on Railroad Cut (Through Delta/Separate Corridors)	9	nsmission Railroad Cut	Recreationists	Cyclists: Bacon Island Road Water-based: Middle River	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible
		Roadway Travelers	Connection Slough Bacon Island Road	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent	
		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		Recreationists	Water-based: Middle River Woodward Canal		
Canal (Through Delta/Separate		Roadway Travelers	Woodward Island Road	possible Mitigation Measure AES-1g:	
Corridors)	Residences and Businesses	1 residence or farm on Bacon Island Road across from barrier	Implement best management practices to implement project landscaping plan		
Operable Barrier and 12 kV Transmission Lines on Threemile Slough (Through	9	Recreationists	Water-based: Threemile Slough Sacramento River Park:	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible	
Delta/Separate Corridors)			Brannan Island SRA along Threemile Slough	Mitigation Measure AES-1g: Implement best management	

Table 17E-1. Continued

Permanent Feature	Alternativesc	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
		Roadway Travelers	SR 160 PM 7-7.25. bridge over Threemile Slough	practices to implement project landscaping plan
		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	9	Recreationists	Water-based: Middle River	Mitigation Measure AES-1e: Apply aesthetic design treatments
kV Transmission Lines on Middle River (South		Roadway Travelers	South Klein Road	to all structures to the extent possible
of SR 4) (Through Delta/Separate Corridors)		Residences and Businesses	1 residence or farm south of South Klein Road	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
Operable Barrier and 12 kV Transmission Lines on Victoria Canal	9	Recreationists	Water-based: Old River Victoria Canal	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent
(Through Delta/Separate		Roadway Travelers	None	possible Mitigation Measure AES-1g:
Corridors)		Residences and Businesses	None	Implement best management practices to implement project landscaping plan
Operable Barrier, Pumping Plant, and 12 kV Transmission Lines	9	Recreationists	Water-based: San Joaquin River Old River	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent
on San Joaquin River, near Lathrop (Through Delta/Separate Corridors)		Roadway Travelers	Cohen Road	possible Mitigation Measure AES-1g:
		Residences and Businesses	None	Implement best management practices to implement project landscaping plan
69 kV Transmission Linesg between Intake 1 and Intermediate Forebay (Pipeline/Tunnel	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	Cyclists: SR 160 PM 23.75–32.75 Lambert Road, from intersection with SR 160 to Elk Slough Water-based: 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

Table 17E-1. Continued

Permanent Feature	Alternatives	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Alignment)		Roadway Travelers Residences and Businesses	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 Along SR 160 PM 23.75–32.75	transmission lines and underground transmission lines where feasible
69 kV Transmission Lines ^g between Intake 2 and Intake 5 (Pipeline/Tunnel Alignment)	4	Recreationists	CH E9 opposite SR 160 PM 23.75–32.75 Cyclists: SR 160 PM 23.75–32.75 Lambert Road, from intersection with SR 160 to Elk Slough Water-based: 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
		Roadway Travelers Residences and Businesses	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 Along SR 160 PM 23.75–32.75	underground transmission lines where feasible
230 kV Transmission Lines Intermediate Forebay to Byron Tract Forebay (North-South option) (Pipeline/Tunnel Alignment)	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	CH E9 opposite SR 160 PM 23.75–32.75 Cyclists: 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	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

D	Alternation	Affected	Lood on Bod on the Wells Boom	M'that's Mars
Permanent Feature	Alternatives ^c	viewers Groups	Locations Feature is Visible From	Mitigation Measures
			SR 4 PM 0-1.75	
			Kelsoe Road	
			Lindemann Road	
			Herdlyn Road	
			Byron Highway	
			Bruns Road	
			Water-based:	
			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	
		Roadway	Lambert Road	
		Travelers	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	

Table 17E-1. Continued

Dormanant Foature	Altornatives	Affected	Logations Footure is Visible From	Mitigation Maggures
Permanent Feature	Alternatives	viewers Groups	Locations Feature is Visible From South Bacon Island Road	Mitigation Measures
			Mandeville Island Road	
			SR 4 PM 0-1.75	
			Kelsoe Road	
			Lindemann Road	
			Herdlyn Road	
			Byron Highway	
			Bruns Road	_
		Residences and	1 residence north and 2 residences south of Lambert Road	
		Businesses	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	
			Residence along Byron Highway and California Aqueduct	
			Businesses on Bruns Road (Banks pumping plant) and Kelso	
			Road	
230 kV Transmission	4	Recreationists	Cvclists:	Mitigation Measure AES-1a:
Lines East Terminus to			Lambert Road	Locate new transmission lines and
Ventilation and Access			Lambert Road intersections with:	access routes to minimize the
Shaft north of Lambert			Various farm and private roads	removal of trees and shrubs and
Road (East-West			Caroll Road	pruning needed to accommodate

Table 17E-1. Continued

		Affected			
Permanent Feature	Alternatives	Viewers Groups	Locations Feature is Visible From	Mitigation Measures	
option) (Pipeline/Tunnel)				Bruceville Road County Road J8/Franklin Boulevard Point Pleasant Road Kestrel Lake Road	transmission lines and underground transmission lines where feasible
		Roadway Travelers	Lambert Road Lambert Road intersections with: Various agricultural roads Caroll Road Bruceville Road County Road J8/Franklin Boulevard Point Pleasant Road I-5 Kestrel Lake Road		
		Residences and Businesses	Several residences and/or farms along Lambert Road and other unnamed roads within transmission alignment corridor		
230 kV Transmission Lines ^g between Intake 5 and Staten Island (Pipeline/Tunnel Alignment)	4	Recreationists	Cyclists: Lambert Road, from I-5 to Snodgrass Slough Dierssen Road Twin Cities Road, from I-5 to Snodgrass Slough Water-based: Snodgrass Slough North Mokelumne River South Mokelumne River	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	
	Travelers	Roadway Travelers Residences and	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 1 north of Lambert Road		
		Businesses	1 south of Lambert Road North and south of Dierssen Road South of Twin Cities Road 1 west of Staten Island Road just south of Walnut Grove Road		

Table 17E-1. Continued

Permanent Feature	Alternatives	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures	
		viewers droups	2 at the intersection of Staten Island and Gas Well Roads Several along Gas Well Road west if Staten Island Road at Eagle Tree 1 east of Staten Island Road at the southern end of the RTM area	Thingamen Frederice	
34.5 kV Transmission Lines ^g between southern Staten Island and south of SR 12 (Pipeline/Tunnel	4	4	Recreationists	Cyclists: Staten Island Road (note, road is private here) Water-based: Potentially boaters on Little Potato Slough and South Mokelumne River	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
Alignment)		Roadway Travelers	Staten Island Road SR 12 bridge crossing over Little Potato Slough SR 12 PM 1.5–2.5	underground transmission lines where feasible	
		Residences and Businesses	1 residence north of SR 12 PM 2.25		
230 kV Transmission Linesg between south of SR 12 and Clifton Court Forebay (Pipeline/Tunnel Alignment)	4	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 Water-based: 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	

Table 17E-1. Continued

Permanent Feature	Alternatives	Affected	Locations Feature is Visible From	Mitigation Measures
1 et manent reature	Aiternatives	Roadway	SR 12 PM 2-3	Mitigation Measures
		Travelers	Venice Island Road	
			South Bacon Island Road	
			Mandeville Island Road	
			SR 4 PM 0-1.75	
			Byron Highway	
			Bruns Road	
		Residences and	1 residence north and 2 residences south of Lambert Road	
		Businesses	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	
			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	1B, 2B, 6B	Recreationists	Cyclists:	Mitigation Measure AES-1a:
Lines Canal Terminus			Kelsoe Road	Locate new transmission lines and
on Union Island to			Lindemann Road	access routes to minimize the
Byron Tract Forebay			Herdlyn Road	removal of trees and shrubs and

Table 17E-1. Continued

		Affected		
	Alternatives	Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Permanent Feature (East Alignment)		Roadway Travelers	Byron Highway Bruns Road Water-based: Middle River Railroad Cut Woodward Canal West Canal Victoria Canal Fabian and Bell Canal Grant Line Canal Kelsoe Road Lindemann Road Herdlyn Road Byron Highway	pruning needed to accommodate transmission lines and underground transmission lines where feasible
		Residences and Businesses	Bruns Road 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	
230 kV Transmission Lines Canal Terminus on Ryer Island to Lambie Substation (West Alignment)	1C, 2C, 6C	Recreationists	Cyclists: 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 Water-based:	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

		Affected		
Permanent Feature	Alternatives	Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			Sacramento River along SR 84 PM 8.5-9.75	
		Roadway	SR 84 PM 8.5-9.75	
		Travelers	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	1 residence or farm just east of SR 84 PM 8.5	
		Businesses	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 2-22.
- 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.
- Bue 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.