# Table 17E-1. Permanent Features<sup>a</sup> Remaining after Construction is Complete that Would Result in Adverse Visual Effects on Foreground Views<sup>b</sup> 3

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1

2

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Intake 1 with pumping plant and 69 kV transmission lines, including realignment of SR 160 (Pipeline/Tunnel and East Alignment)	1A, 1B, 2A, 2B, 3, 5, 6A, 6B	Recreationists Roadway Travelers Residences and Businesses	Water-basedd:Sacramento River, within post miles (PMe) for SR 160Cyclists:SR 160: PM 31-32.75CH E9, within PM opposite SR 160SR 160: PM 31-32.75CH E9, within PM opposite SR 160Along SR 160: PM 31-32.75Along CH E9, within PM opposite SR 160Southeast of Intake 1 and north of spoil/borrow area	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
Intake W1 with pumping plant and 69 kV transmission lines, including realignment of CH E9 (West Alignment)	1C, 2C, 6C	Recreationists Roadway Travelers Residences and Businesses	Water-based:Sacramento River, within PM for SR 160Cyclists:SR 160: PM 31.25-32.25CH E9, within PM opposite SR 160SR 160: PM 31.25-32.25CH E9, within PM opposite SR 160Along SR 160: PM 31.25-32.25Along CH E9, within PM opposite SR 160Southeast of Intake 1 and north of spoil/borrow area	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

		Affected		
Permanent Feature	Alternatives <sup>c</sup>	Viewers Groups	:	Mitigation Measures
Intake 2 with pumping plant and 69 kV transmission lines, including realignment of SR 160 (Pipeline/ Tunnel and East	1A, 1B, 2A, 2B, 3, <del>4,</del> 6A, 6B, 7, 8	Recreationists	<u>Water-based:</u> Sacramento River, within PM for SR 160 <u>Cyclists:</u> SR 160: PM 29.75–30.5 CH E9, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management
Alignment)		Roadway Travelers Residences and Businesses	SR 160: 29.75–30.5 CH E9, within PM opposite SR 160 Scribner Road: SR 160 to end Along SR 160: 29.75–30.5 Along CH E9, within PM opposite SR 160 Along Scribner Road: SR 160 to end	practices to implement project landscaping plan
Intake 2 with sedimentation basins and 69 kV transmission lines, including realignment of SR 160 (Modified Pipeline/Tunnel)	4	Recreationists Roadway Travelers Residences and Businesses	Water-based:Sacramento River, within PM for SR 160Cyclists:SR 160: PM 29.75–30.5CH E9, within PM opposite SR 160SR 160: 29.75–30.5CH E9, within PM opposite SR 160Scribner Road: SR 160 to endAlong SR 160: 29.75–30.5Along CH E9, within PM opposite SR 160Along SR 160: 29.75–30.5Along CH E9, within PM opposite SR 160Along SR 160: 29.75–30.5Along SR 160: 29.75–30.5	
Intake W2 with pumping plant and 69 kV transmission lines, including realignment of CH E9 (West Alignment)	1C, 2C, 6C	Recreationists Roadway Travelers Residences and Businesses	Water-based:Sacramento River, within PM for SR 160Cyclists:SR 160: PM 29.75–30.5CH E9, within PM opposite SR 160SR 160: 29.75–30.5CH E9, within PM opposite SR 160Scribner Road: SR 160 to endAlong SR 160: 29.75–30.5Along CH E9, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan

Dormonont Fosturo	Altornativos	Affected	Logations Fostura is Visible From	Mitigation Magguroa
Permanent Feature Intake 3 with pumping plant and 69 kV transmission lines, including realignment of SR 160 (Pipeline/ Tunnel and East Alignment)	Alternatives <sup>c</sup> 1A, 1B, 2A, 2B, 4, 6A, 6B, 7, 8	Viewers Groups Recreationists Roadway Travelers Residences and Businesses	Locations Feature is Visible FromWater-based:Sacramento River, within PM for SR 160Cyclists:SR 160 PM 26.75–27.25CH E9, within PM opposite SR 160SR 160: PM 26.75–27.25CH E9, within PM opposite SR 160Northern end of $3^{rd}$ , $4^{th}$ , $5^{th}$ , and $8^{th}$ StreetsHood Franklin Road: $8^{th}$ Street to Southern Pacific RailroadAlong SR 160: PM 26.75–27.25Along CH E9, within PM opposite SR 160Hood: Northern end of $3^{rd}$ , $4^{th}$ , $5^{th}$ , and $8^{th}$ Streets and northernend of mobile home park	Mitigation Measures 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
Intake 3 with sedimentation basins and 69 kV transmission lines, including realignment of SR 160 (Modified Pipeline/Tunnel)	<u>4</u>	Recreationists Readway Travelers Residences and Businesses	Water-based:         Sacramento River, within PM for SR 160         Cyclists:         SR 160 PM 26.75–27.25         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 <sup>rd</sup> , 4 <sup>th</sup> , 5 <sup>th</sup> , and 8 <sup>th</sup> Streets <sup>f</sup> Hood Franklin Road: 8 <sup>th</sup> Street to Southern Pacific Railroad         Along SR 160: PM 26.75–27.25         Along CH E9, within PM opposite SR 160         Hood: Northern end of 3 <sup>rd</sup> , 4 <sup>th</sup> , 5 <sup>th</sup> , and 8 <sup>th</sup> Streets and northern         end of mobile home 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
Intake W3 with pumping plant and 69 kV transmission lines, including realignment of CH E9 (West Alignment)	1C, 2C, 6C	Recreationists Roadway Travelers	Water-based:Sacramento River, within PM for SR 160Clarksburg fishing access opposite SR 160Cyclists:SR 160 PM 26.5–28CH E9, within PM opposite SR 160SR 160: PM 26.5–28CH E9, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan

Permanent Feature	Alternatives <sup>c</sup>	Affected	Locations Feature is Visible From	Mitigation Measures
i ei manent reature	Alternatives	Residences and	Along SR 160: PM 26.5–28	
		Businesses	Along CH E9, within PM opposite SR 160	
Intake 4 with pumping plant and 69 kV transmission lines, including realignment of SR 160 (Pipeline/Tunnel and East Alignment)	1A, 1B, 2A, 2B, 6A, 6B	Recreationists Roadway Travelers Residences and Businesses	Water-based:Sacramento River, within PM for SR 160Cyclists:SR 160 PM 25.25-26.25CH E9, within PM opposite SR 160SR 160: PM 25.25-26.25CH E9, within PM opposite SR 160Hood Franklin RoadAlong SR 160: PM 25.25-26.25Along CH E9, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
Intake W4 with pumping plant and 69 kV transmission lines, including realignment of CH E9 (West Alignment)	1C, 2C, 6C	Recreationists Roadway Travelers Residences and Businesses	Along west side of 3 <sup>rd</sup> Street in Hood <u>Water-based:</u> Sacramento River, within PM for SR 160 <u>Cyclists:</u> SR 160 PM 24–25.25 CH E9, within PM opposite SR 160 SR 160: PM 24–25.25 CH E9, within PM opposite SR 160 Along SR 160: PM 24–25.25 Along CH E9, within PM opposite SR 160	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
Intake 5 with pumping plant and 69 kV transmission lines, including realignment of SR 160 (Pipeline/Tunnel and East Alignment)	1A, 4, 6A, 7, 8	Recreationists Roadway Travelers Residences and Businesses	Along west side of 3 <sup>rd</sup> Street in Hood <u>Water-based:</u> Sacramento River, within PM for SR 160 <u>Cyclists:</u> SR 160 PM 24–25.25 CH E9, within PM opposite SR 160 SR 160: PM 24–25.25 CH E9, within PM opposite SR 160 Along SR 160: PM 24–25.25 Along CH E9, within PM opposite SR 160 Along west side of 3 <sup>rd</sup> Street in Hood	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

	A1	Affected		
Permanent Feature	Alternatives	1	Locations Feature is Visible From	Mitigation Measures
<u>Intake 5 with</u> sedimentation basins	<u>4</u>	<u>Recreationists</u>	Water-based:	Mitigation Measure AES-1e: Apply aesthetic design treatments
and 69 kV transmission			Sacramento River, within PM for SR 160	to all structures to the extent
lines, including			Cyclists:	possible
realignment of SR 160			<u>SR 160 PM 24–25.25</u> CU E0 within PM appealte SR 160	Mitigation Measure AES-1g:
(Modified		Deeder	CH E9, within PM opposite SR 160	Implement best management
<u>Pipeline/Tunnel)</u>		<u>Roadway</u> Travelers	<u>SR 160: PM 24–25.25</u> CH E9, within PM opposite SR 160	practices to implement project
				landscaping plan
		Residences and Businesses	Along SR 160: PM 24–25.25	
		Dusinesses	Along CH E9, within PM opposite SR 160 Along west side of 3 <sup>rd</sup> Street in Hood	
Intake W5 with	10.20.00	Desussitiendete		Mitiantian Manager AEC 1.
pumping plant and 69	1C, 2C, 6C	Recreationists	<u>Water-based:</u> Sacramento River, opposite SR 160 PM 22.5–24.25	Mitigation Measure AES-1e: Apply aesthetic design treatments
kV transmission lines,			Cyclists:	to all structures to the extent
including realignment			CH E9, opposite SR 160 PM 22.5–24.25	possible
of CH E9 (West		Roadway	CH E9, opposite SR 160 PM 22.5–24.25	Mitigation Measure AES-1g:
Alignment)		Travelers	CH E9, opposite SK 100 FM 22.5-24.25	Implement best management
		Residences and	Along CH E9, opposite SR 160 PM 22.5–24.25	practices to implement project
		Businesses	Business along Randall Island Road	landscaping plan
Intake 6 with pumping	2A, 2B	Recreationists	Water-based:	Mitigation Measure AES-1e:
plant and 69 kV	<b>2</b> 11, <b>2</b> <i>D</i>	neer cationists	Sacramento River, within PM for SR 160	Apply aesthetic design treatments
transmission lines,			Cvclists:	to all structures to the extent
including realignment			SR 160 PM 18–19.5	possible
of SR 160 (Pipeline/			River Road, opposite SR 160 PM 18–19.25	Mitigation Measure AES-1g:
Tunnel and East Alignment)		Roadway	SR 160: PM 18–19.5	Implement best management practices to implement project
Anghinentj		Travelers	River Road, opposite SR 160 PM 18–19.25	landscaping plan
		Residences and	Along SR 160: PM 18–19.5	
		Businesses	River Road, opposite SR 160 PM 18–19.25	
Intake 7 with pumping	2A, 2B	Recreationists	Water-based:	Mitigation Measure AES-1e:
plant and 69 kV			Sacramento River, within PM for SR 160	Apply aesthetic design treatments
transmission lines, including realignment			<u>Cyclists:</u>	to all structures to the extent
			SR 160 PM 16.75-18.25	possible
of SR 160 (Pipeline/ Tunnel and East			River Road, within PM opposite SR 160	Mitigation Measure AES-1g:
Alignment)		Roadway	SR 160: PM 16.75-18.25	Implement best management practices to implement project
		Travelers	River Road, within PM opposite SR 160	

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
		Residences and Businesses	Along SR 160: PM 16.75–18.25 River Road, within PM opposite SR 160	landscaping plan
Intermediate Forebay with pumping plant and 69 kV transmission lines (Pipeline/Tunnel Alignment)	1A, 2A, 3, 5, 6A, 7, 8	Recreationists Roadway Travelers Residences and Businesses	Cyclists, Runners, Pedestrians: SR 160 PM 24.25–25.77 Lambert Road <del>,</del> <u>Water-based:</u> -Elk Slough, and Snodgrass Slough SR 160: PM 24.25–25.77 Lambert Road <del>, Elk Slough, and Snodgrass Slough</del> Along SR 160: PM 24.25–25.77	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
Intermediate Forebay 4 with outlet structure and 69 kV transmission lines ( <u>Modified</u> Pipeline/Tunnel Alignment)	4	Recreationists	<u>Cyclists, Runners, Pedestrians:</u> Twin Cities Road <u>Water-based:</u> <del>and-</del> Snodgrass Slough	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible
		Roadway Travelers Residences and Businesses	Twin Cities Road 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	<u>Cyclists, Runners, Pedestrians:</u> Lindemann Road Herdlyn Road Byron Highway from North Bruns Way to Mountain House Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible
East Alignment)		Roadway Travelers	Lindemann Road Herdlyn Road Byron Highway from North Bruns Way to Mountain House	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
				Lindemann Road, northern portion

	A1	Affected		
Permanent Feature	Alternatives	1	Locations Feature is Visible From	Mitigation Measures
Expanded Clifton Court Forebay with <del>Control</del> <u>StructuresDrive Shafts,</u> <u>Pumping Plant, and 230</u> <u>and 500 kV</u> <u>transmission lines</u> ( <u>Modified</u> Pipeline/Tunnel)	4	Recreationists Roadway Travelers Residences and Businesses	Cyclists, Runners, Pedestrians: Lindemann Road Herdlyn Road Byron Highway from North Bruns Way to Mountain House Road Clifton Court Road near the forebay Lindemann Road Herdlyn Road Byron Highway from Bruns Road to Mountain House Clifton Court Road near the forebay Water based: Old River West Canal Lindemann Road, northern portion Kings Island, off of Clifton Court Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
Byron Tract Forebay (West) with Control Structures (West Alignment)	1C, 2C, 6C	Recreationists Roadway Travelers Residences and Businesses	Cyclists:Clifton Court RoadHerdlyn RoadMountain House RoadByron Highway from Clifton Court Road to Mountain HouseRoadResorts:Lazy M Marina on Clifton Court RoadClifton Court RoadHerdlyn RoadMountain House RoadByron Highway from Clifton Court Road to Mountain HouseRoadLazy M Marina on Clifton Court Road to Mountain HouseRoadLazy M Marina on Clifton Court Road to Mountain HouseRoadLazy M Marina on Clifton Court Road to Mountain HouseRoadLazy M Marina on Clifton Court RoadResidence on North Bruns WayResidence or business on 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

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Spoil/Borrow Area south of Intake 1	1A, 2A, 3, 5, 6A, 7, 8	1A, 2A, 3, 5, Recreationists	<u>Cyclists:</u> 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	
<del>Spoil/Borrow Area</del> <del>north of Intake 2</del>	4	Recreationists	<del>Cyclists:</del> SR 160 PM 29-31	Mitigation Measure AES-1c: Develop and implement a spoil/
<del>(Pipeline/Tunnel</del> Alignment)		<del>Roadway</del> <del>Travelers</del>	<del>SR 160 PM 29-31</del>	borrow and reusable tunnel material area reclamation plan
		<del>Residences and</del> <del>Businesses</del>	Along SR 160 PM 29–31 Southeast of Intake 1 and north of spoil/borrow area along Scribner Road, near SR 160 intersection and at end of road South of Scribner Road, near construction shaft site	
Spoil/Borrow Area south of Intermediate Forebay	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	<u>Cyclists:</u> SR 160 PM 24.25–25.77 Lambert Road, Elk Slough, and Snodgrass Slough	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel
(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 Area1A, 1B, 2A,southwest of Byron2B, 3, 5, 6A,Highway6B, 7, 8(Pipeline/Tunnel andEast Alignment)	2B, 3, 5, 6A,	Recreationists	Not anticipated within foreground	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Byron Highway, Bruns Road to California Aqueduct	
		Residences and Businesses	Residence along Byron Highway and California Aqueduct Businesses on Bruns Road (Banks Pumping Plant) and Kelso Road	

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
	2A, 2B, 2C, 4	Recreationists Roadway	Water-based:       San Joaquin River       Old River       Cohen Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible
<u>Pipeline/Tunnel</u> <u>Alignment</u> )		Travelers Residences and Businesses	None	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
Spoil/Borrow Area south of Intake 1 (East	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> SR 160 PM 29.5-32.5	Mitigation Measure AES-1c: Develop and implement a spoil/
Alignment)		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	
Spoil/Borrow Area south of Intake 4 (East	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 1B, 2B, 6B south of Intake 5 (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> SR 160 PM 24.75–23.5	Mitigation Measure AES-1c: Develop and implement a spoil/
		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	

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
	1B, 2B, 6B	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 material area reclamation plan
		Roadway Travelers	Lambert Road, Snodgrass Slough to 1 mile west of I-5 Dierssen Road, western end to 0.5 mile west of I-5	A
		Residences and Businesses	Residence south of Lambert Road, adjacent to and east of Snodgrass Slough Residence/farm north of Dierssen Road, 0.4 mile west of I-5 Residence north of Dierssen Road, 0.75 mile west of I-5 Farm south of Lambert Road, 1.4 miles west of I-5	м 
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
		Roadway Travelers	Blossom Road from West Walnut Grove Road south to Hog Slough West Peltier Road from intersection with Blossom Road to 1 mile east of intersection West Woodbridge Road, 0.5 mile on either side of bridge crossing SR 12 PM 8–8.5	
		Residences and Businesses	Several residences and farms along Blossom Road between West Walnut Grove Road and Beaver Slough 3 residences and farms south of West Walnut Grove Road canal alignment and I-5 Farm on Hog Slough 0.4 mile west of canal alignment Farm north of SR 12 PM 8.25	

Permanent Feature	Alternatives	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
	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 Measures 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 material area reclamation plan
		Residences and Businesses	7–10 scattered residences and farms on Rindge Tract	
Spoil/Borrow Area San       1B, 2B, 6B         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 Holt North of West House Road from North Holt Road to eastern edge of tract North and south of West Jacobs Road, including West McDonald Road and Inland Drive North of SR 4 PM 8.75–10.25 <u>Resort Users:</u> Accessing on edges of Windmill Cove Resort & Marina	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Windmill Cove Road between North Holt Road and Vulcan Island East and west of North Holt Road from Windmill Cove Road to Holt North of West House Road from North Holt Road to eastern edge of tract North and south of West Jacobs Road, including West McDonald	

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			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 1B, 2E 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 6–8 residences and farms of South Inland Drive and West	
			Kingston School Road	
Spoil/Borrow Area 1B, Union Island (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> Clifton Court Road, western end to proposed bridge crossing over canal alignment and 0.5 mile west of Calpack Road to 1 mile west of South Tracy Boulevard Calpack Road from Clifton Court Road to West Klein Road West and South Klein Road from Calpack Road to canal alignment	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	Clifton Court Road, western end to proposed bridge crossing over canal alignment and 0.5 mile west of Calpack Road to 1 mile west of South Tracy Boulevard Calpack Road from Clifton Court Road to West Klein Road West and South Klein Road from Calpack Road to canal alignment	

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
		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	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> CH E9, opposite SR 160 PM 27–29.25	Mitigation Measure AES-1c: Develop and implement a spoil/
(West Alignment)		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.	
Spoil/Borrow Area southwest of Intake W3 (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> CH E9, opposite SR 160 PM 26–26.5 CR 144	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	CH E9, opposite SR 160 PM 26–26.5 CR 144	
		Residences and Businesses	Several residences along CH E9 opposite SR 160 PM 26–26.5. Businesses may be present. Several residences along CR 144 and east of Elk Slough. Businesses may be present.	
Spoil/Borrow Area along Jefferson Boulevard (SR 84) (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 84 PM 2.75–7.25 South Netherlands Road from SR 84 to Waukeena Road Waukeena Road North Courtland Road	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan

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

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
		Roadway Travelers	SR 84 PM Solano 13.00-Yolo 0.75 CR 161 Oxford Road Sutter Road Holland Road	
		Residences and Businesses	1 residence or farm SR 84 PM Yolo 0.25	
Spoil/Borrow Area on Ryer Island (West Alignment)	1C, 2C, 6C	Recreationists	Cyclists: SR 84 PM 7.25–12 SR 220 PM 0–0.5 Ryer Road East Ryer Road Elevator Road Sutter Island Road	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 84 PM 7.25–12 SR 220 PM 0–0.5 Ryer Road East Ryer Road Elevator Road Sutter Island Road	
		Residences and Businesses	8 residences or farms SR 84 PM Solano 7.5–13 1 business SR 84 PM 9.75 2 residences or farms Holland Road 1 business Holland Road 1 residence or farm Ryer Road 3 residences or farms East Ryer Road 1 business East Ryer Road 3 residences or farms Sutter Island Road	
Spoil/Borrow Area north of Eagle Lane (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> Eagle Lane from Byron Highway to proposed canal alignment Byron Highway from Eagle Lane to Delta Road Mountain View Drive and Ironhorse Road near intersection with Byron Highway	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan

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

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
		Roadway Travelers	Byron Highway Bixler Road Point of Timber Road SR 4 PM 43–45.75 Bypass Road, near intersection with SR 4 Byer Road	
		Residences and Businesses	<ul> <li>2 businesses and 2 residences/farms at SR 4 junction with</li> <li>Byron Highway</li> <li>1 residence south of Point of Timber Road</li> <li>7–10 residences, farms, and businesses west of Byron Highway,</li> <li>north of Bypass Road</li> <li>Clustering of residences, farms, and businesses west of Bixler</li> <li>Road</li> <li>2–5 residences or businesses east and west of Bixler Road</li> <li>2–5 residences or businesses east and west of Bixler Road</li> <li>between SR 4 and Byer Road</li> <li>1 school east of Bixler Road between SR 4 and Byer Road</li> </ul>	
Spoil/Borrow Area around Byron Tract Forebay (West) (West Alignment)	1C, 2C, 6C	Recreationists	Cyclists:Camino Diablo RoadWestern Farms Ranch RoadClifton Court RoadByron Highway from Clifton Court Road to Bruns RoadResort Users:Lazy M Marina on Clifton Court RoadCamino Diablo Road	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Travelers Residences and Businesses	Western Farms Ranch Road Clifton Court Road Byron Highway from Clifton Court Road to Bruns Road 1–2 businesses at end of Camino Diablo Road Lazy M Marina on Clifton Court Road	

Permanent Feature	Altornativos	Affected	Logationa Factura in Vigible From	Mitigation Manuras	
Reusable Tunnel	Alternatives <sup>c</sup> 1A, 2A, 3, 4,	Viewers Groups Recreationists	Locations Feature is Visible From Cvclists:	Mitigation Measures Mitigation Measure AES-1c:	
Material Area north of	5, 6A, 7, 8	Recicationists	SR 160: PM 29.5–30.5	Develop and implement a spoil/	
Intake 2			Scribner Road: SR 160 to end of road	borrow and reusable tunnel	
(Pipeline/Tunnel		Roadway	SR 160: PM 29.5–30.5	material area reclamation plan	
Alignment <u>and Modified</u> <u>Pipeline/Tunnel</u>		Travelers	Scribner Road: SR 160 to end		
<u>Alignment</u> )		Residences and	Along SR 160: PM 29.5–30.5		
		Businesses	At end of Scribner Road		
	_		South of Scribner Road, near construction shaft site		
Reusable Tunnel Material Area south of	4	Recreationists	Cyclists: Lambert Road	Mitigation Measure AES-1c: Develop and implement a spoil/	
Lambert Road		Doodway		borrow and reusable tunnel	
( <u>Modified</u>		Roadway Travelers	Lambert Road	material area reclamation plan	
Pipeline/Tunnel Alignment)			Residences and Businesses	South of Lambert Road	
Reusable Tunnel	4	Recreationists	Cvclists:	Mitigation Measure AES-1c:	
Material Area north of	4	Recreationists	Dierssen Road	Develop and implement a spoil/	
Dierssen Road		Roadway	Dierssen Road	borrow and reusable tunnel	
( <mark>Modified</mark> Pipeline/Tunnel		Travelers		material area reclamation plan	
Alignment)		Residences and	North and south of Dierssen Road		
		Businesses	a. N		
Reusable Tunnel Material Area north of	4	Recreationists	<u>Cyclists:</u> Twin Cities Road	Mitigation Measure AES-1c: Develop and implement a spoil/	
Twin Cities Road				borrow and reusable tunnel	
( <u>Modified</u>		Roadway Travelers	Twin Cities Road	material area reclamation plan	
Pipeline/Tunnel Alignment)		Residences and	North of Twin Cities Road		
		Businesses			
Reusable Tunnel	4	Recreationists	Cyclists:	Mitigation Measure AES-1c:	
Material Area south of Twin Cities Road			Twin Cities Road	Develop and implement a spoil/ borrow and reusable tunnel	
( <u>Modified</u>		Roadway Travelers	Twin Cities Road	material area reclamation plan	
Pipeline/Tunnel Alignment)		Residences and	South of Twin Cities Road	AT	
		Businesses			

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Reusable Tunnel Material Area east of	4	Recreationists	<u>Cyclists:</u> Twin Cities Road and Snodgrass Slough	Mitigation Measure AES-1c: Develop and implement a spoil/
Snodgrass Slough ( <u>Modified</u>		Roadway Travelers	Twin Cities Road	borrow and reusable tunnel material area reclamation plan
Pipeline/Tunnel Alignment)		Residences and Businesses	None	
Reusable Tunnel Material Area south of	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	<u>Cyclists:</u> Isleton Road, opposite SR 160 PM 12.25–13.5	Mitigation Measure AES-1c: Develop and implement a spoil/
Isleton Road (Pipeline/Tunnel		Roadway Travelers	Isleton Road, opposite SR 160 PM 12.25–13.5	borrow and reusable tunnel material area reclamation plan
Alignment)		Residences and Businesses	Several residences along Isleton Road, opposite SR 160 PM 12.25–13.5	
Reusable Tunnel Material Area on Tyler	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	<u>Cyclists:</u> Tyler Island Road	Mitigation Measure AES-1c: Develop and implement a spoil/
Island (Pipeline/Tunnel Alignment)		Roadway Travelers	Tyler Island Road	borrow and reusable tunnel material area reclamation plan
		Residences and Businesses	None	
<del>Reusable Tunnel</del> <del>Material Area on north</del>	4	Recreationists	<del>Cyclists:</del> <del>Staten Island Road and Gas Well Road</del>	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
Staten Island (Pipeline/Tunnel		<del>Roadway</del> <del>Travelers</del>	Staten Island Road and Gas Well Road	
Alignment)		<del>Residences and</del> <del>Businesses</del>	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
		<del>Roadway</del> <del>Travelers</del>	Staten Island Road SR 12 bridge crossing over Little Potato Slough	7 

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

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Permanent Feature	Alternatives	Viewers Groups	1	Mitigation Measures
Reusable Tunnel 1B, 2B, 61 Material Area north of West Walnut Grove Road (East Alignment)	1B, 2B, 6B	Recreationists	Cyclists: North Vail Road, northern end to just south of West Lauffer Road Blossom Road, northern end to canal crossing Barber Road, all West Walnut Grove Road, 1.25 miles west of I-5	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	North Vail Road, northern end to just south of West Lauffer Road Blossom Road, northern end to canal crossing Barber Road, all West Walnut Grove Road, 1.25 miles west of I-5	
		Residences and Businesses	<ul> <li>2–3 scattered residences south of and adjacent to Mokelumne River</li> <li>North Vail Road, northern end to just south of West Lauffer Road</li> <li>3 residences along Blossom Road, north of canal crossing</li> <li>1 residence on Barber Road adjacent to I-5</li> <li>Several residences north of West Walnut Grove Road and east of North Vail Road and west of the canal. Businesses may be located here.</li> </ul>	
Reusable Tunnel Material Area on Rindge Tract (East Alignment)	1B, 2B, 6B	Recreationists Roadway Travelers Residences and Businesses	None with anticipated views Large portions of West Rindge Road (private road) 7–10 scattered residences and farms on Rindge Tract	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
Reusable Tunnel Material Area on Union Island (East Alignment)	1B, 2B, 6B	Recreationists Roadway Travelers	None with anticipated views No public roads with anticipated views	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Residences and Businesses	None with anticipated views	material al ca i cuamation plan

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Reusable Tunnel 1C, 2C, 6C Material Area near the control structure south of SR 220 (West Alignment)		Recreationists Roadway Travelers	<u>Cyclists:</u> SR 84 PM 7.25–9 SR 220 PM 0–0.25 SR 84 PM 7.25–9 SR 220 PM 0–0.25	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		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 Roadway Travelers	Cyclists: SR 12 PM 1.25-3 SR 160 PM 5.75-7.5 SR 12 PM 1.25-3 SR 160 PM 5.75-7.5	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		I	1 residence or farm north of SR 12 PM 1.25 3–4 residences or farms south of SR 160 PM 5.75–7.5	
Reusable Tunnel Material Area north of Delta Road (West Alignment)	1C, 2C, 6C	Recreationists Roadway Travelers	Cyclists: Delta Road Easy Street Tule Lane Fire Place Bartels Drive Blaine Lane Ghigliazza Way Delta Road Easy Street Tule Lane Fire Place Bartels Drive Blaine Lane Ghigliazza Way	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan

	A1	Affected			
Permanent Feature	Alternatives		Locations Feature is Visible From	Mitigation Measures	
		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		
Ventilation and Shaft	4	Recreationists	<u>Cyclists:</u>	Mitigation Measure AES-1c:	
Site north of Lambert			Lambert Road,	Develop and implement a spoil/	
Road			Water-based:	borrow and reusable tunnel	
( <u>Modified</u>			Elk Slough and Snodgrass Slough	material area reclamation plan	
Pipeline/Tunnel Alignment)		Roadway Travelers	Lambert Road		
		Residences and	1 north of Lambert Road		
		Businesses	1 south of Lambert Road		
Ventilation and Shaft	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	Cyclists:	Mitigation Measure AES-1c: Develop and implement a spoil/	
Site northwest of Twin			Vorden Road		
Cities Road			Twin Cities Road	borrow and reusable tunnel	
(Pipeline/Tunnel		Roadway	Vorden Road	material area reclamation plan	
Alignment)		Travelers	Twin Cities Road		
		Re	Residences and	1 residence/farm at Vorden Road intersection with Herzog	
		Businesses	Road		
Ventilation and Shaft	1A, 2A, 3, 5,	Recreationists	Cyclists:	Mitigation Measure AES-1c:	
Site northern portion of	6A, 7, 8		Tyler Island Road east and west of site	Develop and implement a spoil/	
Tyler Island			Brunk Road	borrow and reusable tunnel	
(Pipeline/Tunnel		Roadway	Tyler Island Road east and west of site	material area reclamation plan	
Alignment)		Travelers	Brunk Road		
		Residences and	1 residence/farm east of site on Tyler Island Road		
		Businesses	1 residence/farm west of site on Tyler Island Road		
Ventilation and Shaft	4	Recreationists	Cvelists:	Mitigation Measure AES-1c:	
Site south of Walnut	-		Walnut Grove Road and Staten Island Road	Develop and implement a spoil/	
Grove Road		Roadway	Walnut Grove Road and Staten Island Road	borrow and reusable tunnel	
(Pipeline/Tunnel		Travelers		material area reclamation plan	
Alignment)		Residences and	1 west of Staten Island Road just south of Walnut Grove Road		
		Businesses	,		

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Ventilation and Shaft 4 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 ( <u>Modified</u> Pipeline/		Roadway Travelers	Staten Island Road and Gas Well Road	borrow and reusable tunnel material area reclamation plan
Tunnel 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 4 Site on south Staten Island ( <u>Modified</u> Pipeline/Tunnel	4	Recreationists	Cyclists: Staten Island Road (note, road is private here) <u>Water-based:</u> Potentially boaters on Little Potato Slough and South Mokelumne River	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
Alignment)		Roadway Travelers	Staten Island Road SR 12 bridge crossing over Little Potato Slough	
		Residences and Businesses	None	
<del>Ventilation and Shaft</del> <del>Site south of SR 12</del> <del>(Pipeline/Tunnel</del>	4	Recreationists	<del>Water-based:</del> <del>Potentially boaters on Little Potato Slough and South</del> <del>Mokelumne River</del>	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel
Alignment)		<del>Roadway</del> <del>Travelers</del>	<del>SR 12 PM 1.5–2.5</del>	material area reclamation plan
		Residences and Businesses	None	
Ventilation and Shaft Site north of SR 12 (Pipeline/Tunnel Alignment)	1A, 2A, 3, 5, 6A, 7, 8	Recreationists	<u>Cyclists:</u> SR 12 PM 1.5–2.5	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Roadway Travelers	SR 12 PM 1.5–2.5	
		Residences and Businesses	1 residence north of SR 12 PM 2.25	

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

	A1	Affected		
Permanent Feature	Alternatives	Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Ventilation and Shaft4Site west of Clifton-Court Forebay-(Pipeline/Tunnel-Alignment)-	4	Recreationists	Cyclists: Byron Highway Western Farms Ranch Road Clifton Court Road Resort Users:	Mitigation Measure AES 1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		<del>Roadway</del> <del>Travelers</del>	Lazy M Marina Byron Highway Western Farms Ranch Road Clifton Court Road	
		Residences and Businesses	<u>Lazy M Marina</u> Near Byron Inn Café Along Byron Hot Springs Road, near intersection with Byron Highway	
Ventilation and Shaft 1C, 2C, 6C Sites on Twitchell Island (West Alignment)	1C, 2C, 6C	Recreationists Roadway Travelers	<u>Cyclists:</u> West Twitchell Island Road West Twitchell Island Road	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
		Residences and Businesses	None with anticipated views	
Ventilation and Shaft 1 Sites on Bethel Island (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> Bethel Island Road Taylor Road	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel
		Roadway Travelers	Bethel Island Road Taylor Road	material area reclamation plan
		Residences and Businesses	1 residence west of Bethel Island Road 2 residences on Cottage Lane Several residences along Taylor Road	

	A1	Affected		
Permanent Feature	Alternatives	-	Locations Feature is Visible From	Mitigation Measures
	Roadwa	Roadway Travelers Roadway Road Roadway	North Vail 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
			North Vail Road	
		Residences and Businesses	10–15 residences, businesses, or farms SR 160 PM 24.25–32.75 5–7 residences in Hood mobile home park 1–3 residences at northern end of 3 <sup>rd</sup> Street 1–3 residences at northern end of 4 <sup>th</sup> Street 1–3 residences at northern end of 5 <sup>th</sup> Street 5–8 residences along 8 <sup>th</sup> 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	

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			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 (East Alignment)	1B, 2B, 6B	Recreationists	Cyclists:West Walnut Grove Road, I-5 to 1.5 mile west of I-5Blossom Road near intersection with West Walnut Grove RoadWest Peltier Road from intersection with Blossom Road to 1mile east of intersectionWest Woodbridge RoadSR 12 PM 8–9.5North Guard RoadGuard RoadWest Eight Mile RoadNorth Rio Blanco RoadKing Island RoadWest McDonald RoadInland DriveNorth Holt RoadNorth of SR 4 PM 8.75–10.25West Kingston School RoadSouth Inland DriveSR 4 RM 8.2South Tracy BoulevardCalpack RoadClifton Court Road, western end to 0.5 mile west of proposedbridge crossing over canal alignmentBonetti Road	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	West Walnut Grove Road, I-5 to 1.5 mile west of I-5 West Peltier Road from intersection with Blossom Road to 1 mile east of intersection West Woodbridge Road SR 12 PM 8–9.5 North Guard Road Guard Road West Eight Mile Road	

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Permanent Feature	Alternatives	Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			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	
			Bonetti Road	
		Residences and Businesses	Clustering of residences along West Walnut Grove Road, I-5 to 1.5 mile west of I-5	
		Dusinesses	1 residence or business south of West Woodbridge Road	
			1 residence of business south of west woodbridge Road	
			1 residence north of SR 12 PM 8.3	
			1 business northwest of North Guard Road	
			1 residence east of North Guard Road	
			1 residence west of Guard Road	
			3–6 residences/farm on King Island Road north of West Eight	
			Mile Road	
			1 residence/farm north of Bacon Island Road south of West Eight Mile Road	
			1 residence/farm on King Island Road south of West Eight Mile	
			Road	
			Paradise Point Marina	
			1–2 residences/farms south of Rindge Tract Island Road	
			1–2 residences/farms north of West Rindge Tract Island Road	
			Business east of Inland Drive	
			School west of North Holt Road	

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Permanent Feature	Alternatives <sup>c</sup>	Viewers Groups	Locations Feature is Visible From 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	Mitigation Measures
			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 Sutter Slough Park Users: Accessing Clarksburg Fishing Access	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
		Roadway Travelers	SR 160 PM 26.50-27.25 CH E9 within PM opposite SR 160 SR 84 PM Solano 7.75-Yolo 7 CR 144 CR 142 CR 149 CR 150 CR 161 SR 220 PM 0.00-1.5	

Dormonont Fosturo	Altornativos	Affected	Logations Fasture is Visible From	Mitigation Maggurag
Permanent Feature	Alternatives <sup>c</sup>		Locations Feature is Visible From	Mitigation Measures
		Residences and	2 residences or farms on Jefferson Boulevard PM 4.75–6.50	
		Businesses	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 north and south	<u>4</u>	Recreationists	Cyclists, Runners, Pedestrians:	Mitigation Measure AES-1e:
of Byron Highway			Herdlyn Road	Apply aesthetic design treatments
<u>(Modified</u> <u>Pipeline/Tunnel</u>			Byron Highway from North Bruns Way to Mountain House Road	to all structures to the extent possible
<u>Alignment)</u>		<u>Roadway</u>	Herdlyn Road	<u>Mitigation Measure AES-1g:</u>
<u>migninentj</u>		<u>Travelers</u>	Byron Highway from North Bruns Road to Mountain House	Implement best management
			Bruns Road	practices to implement project
		Residences and	1 residence/business south of Byron Highway and west of Delta	landscaping plan
		<u>Businesses</u>	Mendota Canal	
Canals, Pump Houses,	1C, 2C, 6C	Recreationists	<u>Cyclists:</u>	Mitigation Measure AES-1e:
and Transmission Lines			SR 84 PM 9.25–10.25 and PM 42.75–45.75	Apply aesthetic design treatments
southern Segment			Sycamore Drive	to all structures to the extent
(West Alignment)			Elevator Road	possible
			East Cypress Road	Mitigation Measure AES-1g: Implement best management
			Mahoney Lane	practices to implement project
			Cow Poke Lane	landscaping plan
			Tule Lane	innuscuping plan
			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	

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
er manent reature	Alternatives	viewers droups	Orwood Road	Miligation Measures
			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	
			Rancho Sereno Road	
			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	

D	A1	Affected		
ermanent Feature	Alternatives	Viewers Groups	Locations Feature is Visible From	Mitigation Measures
			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	
			Rancho Sereno Road	
		Residences and	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	

	A1	Affected		
Permanent Feature	Alternatives	Viewers Groups		Mitigation Measures
			13 residences on Delta Road	
			40–55 residences or businesses on Byron Highway	
			9 residences or businesses on Poe Lane	
			7 residences or businesses on Mountain View Drive	
			2 residences or businesses on Baldocchi Court	
			8 residences on Eagle Lane	
			3 residences on Sunset Road	
			5 residences on Birchfield Road	
			4 residences on Crystal Lane	
			6 residences or businesses on Orwood Road	
			14 residences on Bixler Road	
			1 Fire Station on Bixler Road	
			6 residences, businesses, or institutions on Bixler Road	
			1 residence on Chestnut Street	
			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	

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Bridge on residential access road south of	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> SR 160 PM 27.75–28.75	Mitigation Measure AES-1e: Apply aesthetic design treatments
Intake 2, west of North Stone Lake (East		Roadway Travelers	SR 160 PM 27.75–28.75	to all structures to the extent 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 1 Franklin Road (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> Hood Franklin Road 5 <sup>th</sup> Street, near Hood Franklin Road 8 <sup>th</sup> 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 5 <sup>th</sup> Street, near Hood Franklin Road 8 <sup>th</sup> Street, southern end Blair Street, eastern end	Implement best management practices to implement project landscaping plan
		Residences and Businesses	5 <sup>th</sup> Street, near Hood Franklin Road 8 <sup>th</sup> Street, southern end Blair Street, eastern end	
Bridge on Lambert Road (East Alignment)	1B, 2B, 6B	Recreationists	<u>Cyclists:</u> Lambert Road, Snodgrass Slough to 1.5 miles west of I-5	Mitigation Measure AES-1e: Apply aesthetic design treatments
		Roadway Travelers	Lambert Road, Snodgrass Slough to 1.5 miles west of I-5	to all structures to the extent possible
		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		<u>Cyclists:</u> Dierssen Road, western end to 0.5 mile west of I-5	Mitigation Measure AES-1e: Apply aesthetic design treatment
			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

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

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

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

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Bridge on South Tracy Boulevard (East	1B, 2B, 6B	· · · ·	<u>Cyclists:</u> South Tracy Boulevard	Mitigation Measure AES-1e: Apply aesthetic design treatments
Alignment)		Roadway Travelers	South Tracy Boulevard	to all structures to the extent possible
		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	<u>Cyclists:</u> 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       Recreationists         Roadway       Roadway         Travelers       Roadway	Recreationists	<u>Cyclists:</u> Clifton Court Road, western end to 0.5 mile west of proposed bridge crossing over canal alignment Bonetti Road	Mitigation Measure AES-1e: Apply aesthetic design treatment to all structures to the extent possible
		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	Recreationists	Cyclists: SR 160 PM 26.50–27.25 CH E9 within PM opposite SR 160 CR 144 CR 142 Park Users: Accessing Clarksburg Fishing Access Water-Based: Sacramento River within SR 160 PM 26.50–27.25 Sutter Slough	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan

Permanent Feature	Altornativos	Affected	Locations Feature is Visible From	Mitigation Moscuros
Permanent Feature	Alternatives	Roadway Travelers	SR 160 PM 26.50 – 27.25 CH E9 within PM opposite SR 160 CR 144 CR 142	Mitigation Measures
		Residences and Businesses	2 residences or farms on CR 144 5 residences or farms on CH E9	
Bridge on CR 158 (West Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 84 PM 1.25–2.5 CR 150 CR 149	Mitigation Measure AES-1c: Develop and implement a spoil/ borrow and reusable tunnel material area reclamation plan
	Roadway Travelers	SR 84 PM 1.25–2.5 CR 150 CR 149		
		Residences and Businesses	3 residences or farms SR 84 PM 1.25–1.75	
Bridge on CR 161 (West 1C, 2C, 6C Alignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 84 PM Solano 13.25 – Yolo 0.25 CR 161	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent
		Roadway Travelers	SR 84 PM Solano 13.25 – Yolo 0.25 CR 161	possible Mitigation Measure AES-1g:
		Residences and Businesses	1 residence or farm on SR 84 PM 0.25	Implement best management practices to implement project landscaping plan
Bridge on SR 220 (West 1C, 2C, 6C llignment)	1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 84 PM 7.25-8.00 SR 220 PM 0.00-1.5 <u>Water-Based:</u> Miner's Slough within SR 84 PM 7.25-8.00	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g:
		Roadway Travelers	SR 84 PM 7.25–8.00 SR 220 PM 0.00–1.5	Implement best management practices to implement project landscaping plan
		Residences and Businesses	1 residence or farm on SR 84 PM 7.75 1 residence or farm on SR 220 PM 1.25	

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

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

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Bridge on Orwood Road (West Alignment)		Recreationists Recreationists Roadway Travelers Residences and Businesses	Cyclists:         Byron Highway         Birchfield Road         Crystal Lane         Orwood Road         Bixler Road         Byron Highway         Birchfield Road         Crystal Lane         Orwood Road         Bixler Road         Byron Highway         Birchfield Road         Crystal Lane         Orwood Road         Bixler Road         3 residences or businesses on Byron Highway         5 residences on Birchfield Road	Mitigation Measures 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 Balfour Road (West Alignment)	1C, 2C, 6C Recreationists           Recreationists           Roadway           Travelers	4r residences on Crystal Lane         6 residences or businesses on Orwood Road         2 residences on Bixler Road         Cyclists:         Chestnut Street         Byron Highway         Balfour Road         Dixler Road         Chestnut Street         Byron Highway         Balfour Road         Divert         Byron Highway	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	Balfour RoadBixler Road1 residence on Chestnut Street5 residences or businesses on Byron Highway10 residences or businesses on Balfour Road2 residences on Hathorne Court	

Alternatives <sup>c</sup>		Locations Feature is Visible From	Mitigation Measures
nanent FeatureAlternativescge on Point of oer Road (West nment)1C, 2C, 6C	Recreationists	<u>Cyclists:</u> SR 4 PM 42.75–43.50 Byron Highway Brentwood Boulevard Point of Timber Road Bixler Road SR 4 PM 42.75–43.50	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project
	Travelers	Byron Highway Brentwood Boulevard Point of Timber Road Bixler Road	landscaping plan
	Residences and Businesses	11 residences or businesses on Byron Highway 1 residence on Point of Timber Road 1 Fire Station on Bixler Road 1 residences on Coronado Court	
1C, 2C, 6C	Recreationists	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	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
	1C, 2C, 6C	1C, 2C, 6C       Recreationists         Roadway       Roadway         Travelers       Residences and         Businesses       Residences and	Alternatives*Viewers GroupsLocations Feature is Visible From1C, 2C, 6CRecreationistsCyclists: SR 4 PM 42.75-43.50 Byron Highway Brentwood Boulevard Point of Timber Road Bixler RoadRoadwaySR 4 PM 42.75-43.50 Byron Highway Brentwood Boulevard Point of Timber Road Bixler RoadRoadwaySR 4 PM 42.75-43.50 Byron Highway Brentwood Boulevard Point of Timber Road Bixler RoadResidences and Businesses11 residences or businesses on Byron Highway 1 residence on Point of Timber Road 1 Fire Station on Bixler Road1C, 2C, 6CRecreationistsCyclists: SR 4 PM 43.50-45.00 CR J4 Byron Highway Byrass Road Marsh Creek Road Ellisa Lane Fertado Lane Bixler Road

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
		Roadway Travelers Residences and	SR 4 PM 43.50-45.00 CR J4 Byron Highway Bypass Road Marsh Creek Road Ellisa Lane Fertado Lane Fertada Lane Bixler Road Valley Oak Drive 2 businesses on CR J4	
		Businesses	10 residences or businesses on Byron Highway 3 residences or businesses on Bypass Road 15 residences or businesses on Marsh Creek Road 4 residences on Ellisa Lane 15 residences on Fertado Lane 12 residences or businesses on Bixler Road 5 residences on Valley Oak Drive	
Bridge on Bixler Road 1C, 2C, 6C (West Alignment)	1C, 2C, 6C	Recreationists	Cyclists: SR 4 PM 45.00–45.75 Taylor Lane Bixler Road Kellogg Creek Road Byer Road Rancho Sereno Road	Mitigation Measure AES-1e: Apply aesthetic design treatment to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers	SR 4 PM 45.00–45.75 Taylor Lane Bixler Road Kellogg Creek Road Byer Road Rancho Sereno Road	

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

		Affected		
Permanent Feature	Alternatives		Locations Feature is Visible From	Mitigation Measures
Bridge on Byron Highway (West Alignment)	West	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
		Roadway Travelers Residences and Businesses	Byron Highway Holey Road North Bruns Way Bruns Road 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 13.25-15.25River Road, opposite PM SR 160 14-15.25Isleton Road, opposite PM SR 160 13.25-14Roads in Grand Island Estates and Walnut Grove at intersectionwith SR 160 and River RoadWater-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	

Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
9	Recreationists	<u>Cyclists:</u> SR 160 PM 15–15.25 River Road, opposite PM SR 160 15–15.25 <u>Water-based:</u> Along SR 160 PM 13.25–15.25	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g:
	Roadway Travelers	SR 160 PM 15–15.25 River Road, opposite PM SR 160 15–15.25	Implement best management practices to implement project 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	
perable Barrier and 9 2 kV Transmission ines on Snodgrass lough (Through elta/Separate	Recreationists	<u>Cyclists/Hikers:</u> Using Levee Road <u>Water-based:</u> On Snodgrass Slough	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible
	Roadway Travelers Residences and Businesses	None	Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
perable Barrier and 9 2 kV Transmission nes on Delta Cross nannel (Through elta/Separate orridors)	Roadway Travelers	Cyclists:SR 160 PM 14.25–14.5River Road, opposite PM SR 160 14.25–14.5Levee RoadWater-based:Along SR 160 PM 13.25–15.25Delta Cross ChannelPark:Off of Levee RoadSR 160 PM 14.25–14.5River Road, opposite PM SR 160 14.25–14.5Levee 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
	9	9Recreationists9RecreationistsRoadway TravelersResidences and Businesses9Recreationists9Recreationists8Roadway Travelers7Residences and Businesses9Recreationists9Recreationists9Recreationists	9       Recreationists       Cyclists: SR 160 PM 15–15.25 River Road, opposite PM SR 160 15–15.25 Water-based: Along SR 160 PM 13.25–15.25         Roadway Travelers       SR 160 PM 15–15.25 River Road, opposite PM SR 160 15–15.25         Residences and Businesses       Concentration of residences and businesses along: SR 160 PM 15–15.25 River Road, opposite PM SR 160 15–15.25         9       Recreationists       Cyclists/Hikers: Using Levee Road Water-based: On Snodgrass Slough         Roadway Travelers       None         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: Off of Levee Road         Roadway Travelers       SR 160 PM 13.25–15.25 Delta Cross Channel Park: Off of Levee Road         Roadway Travelers       SR 160 PM 14.25–14.5 River Road, opposite PM SR 160 14.25–14.5

Description of Frederic		Affected		Multiple Margane
Permanent Feature	Alternatives <sup>c</sup>	Residences and Businesses	Locations Feature is Visible From 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	Mitigation Measures
Operable Barrier and 12 kV Transmission Lines on Georgiana Slough (Through Delta/Separate Corridors)	9	Recreationists	Cyclists: River Road Isleton Road Andrus Island Road Levee Road <u>Water-based:</u> Along SR 160 PM 14–14.10 Georgiana Slough	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g: Implement best management practices to implement project landscaping plan
		Roadway Travelers Residences and	River Road Isleton Road Andrus Island Road 1 boat house west of River Road, south of bridge	
Operable Barrier and 12 kV Transmission Lines on Mokolumne River (Through Delta/Separate Corridors)	9	BusinessesRecreationistsRoadway TravelersResidences and Businesses	2 residences west of River Road, north of bridge <u>Water-based:</u> On Mokolumne River None None	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

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

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures			
Operable Barrier and 12 kV Transmission Lines on Woodward	9	Recreationists	Water-based: Middle River Woodward Canal	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent			
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 Delta/Separate	9	Recreationists	<u>Water-based:</u> Threemile Slough Sacramento River <u>Park:</u> Brannan Island SRA along Threemile Slough	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent possible Mitigation Measure AES-1g:			
Corridors)		Roadway Travelers	SR 160 PM 7–7.25. bridge over Threemile Slough	Implement best management 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	- andscaping plan			
Operable Barrier, Pumping Plant, and 12	9	Recreationists	<u>Water-based:</u> 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 (Through Delta/Separate Corridors)	9	Recreationists	<u>Water-based:</u> Old River Victoria Canal	Mitigation Measure AES-1e: Apply aesthetic design treatments to all structures to the extent			
		Roadway Travelers	None	possible Mitigation Measure AES-1g:			
			Re	Residence		Residences and Businesses	None

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Operable Barrier, Pumping Plant, and 12 kV Transmission Lines on San Joaquin River, near Lathrop (Through Delta/Separate Corridors)	9	Recreationists Roadway Travelers Residences and Businesses	Water-based: San Joaquin River Old River Cohen Road None	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
69 kV Transmission Lines <sup>g</sup> between Intake 1 and Intermediate Forebay (Pipeline/Tunnel Alignment)	1A, 2A, 3, 5, 6A, 7, 8	Recreationists Roadway Travelers Residences and	Cyclists: SR 160 PM 23.75–32.75 Lambert Road, from intersection with SR 160 to Elk Slough <u>Water-based:</u> SR 160 PM 23.75–29.75 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	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
		Businesses	CH E9 opposite SR 160 PM 23.75–32.75	
69 kV Transmission 4 Lines <sup>g</sup> between Intake 2 and Intake 5 ( <u>Alignment</u> Pipeline/Tunnel Alignment)	Roadway Travelers	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 SR 160 PM 23.75–32.75	Mitigation Measure AES-1a: Locate new transmission lines and access routes to minimize the removal of trees and shrubs and pruning needed to accommodate transmission lines and underground transmission lines	
		Residences and	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 CH E9 opposite SR 160 PM 23.75–32.75	where feasible

#### Permanent Features

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
230 kV Transmission	1A, 2A, 3, 5,	Recreationists	Cvclists:	Mitigation Measure AES-1a:
Lines Intermediate	6A, 7, 8	iteer cationists	Lambert Road	Locate new transmission lines and
Forebay to Byron Tract	011, 7, 70		Russell Road	access routes to minimize the
Forebay (North-South			Vouvray Lane	removal of trees and shrubs and
option)			Herzog Road	pruning needed to accommodate
(Pipeline/Tunnel			Alfalfa Plant Road	transmission lines and
Alignment)			Vorden Road	underground transmission lines
			Twin Cities Road	where feasible
			River Road, opposite SR 160 PM 15.5–16.5 and 12.5–13.5	
			SR 160 PM 15.5–16.5 and 12.5–13.5	
			Andrus Island Road	
			SR 12 PM 2–3	
			Venice Island Road	
			South Bacon Island Road	
			Mandeville Island Road	
			SR 4 PM 0–1.75	
			Kelsoe Road	
			Lindemann Road	
			Herdlyn Road	
			Byron Highway	
			Bruns Road	
			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	

Dormon ont Footuno	Altownotiveor	Affected	Locations Feature is Visible From	Mitigation Manageroa
Permanent Feature	Alternatives			Mitigation Measures
		Roadway Travelers	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	
			South Bacon Island Road	
			Mandeville Island Road	
			SR 4 PM 0–1.75	
			Kelsoe Road	
			Lindemann Road	
			Herdlyn Road	
			Byron Highway	
			Bruns Road	
		Residences and	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	

Permanent Feature	Alternatives <sup>c</sup>	Affected	Locations Feature is Visible From	Mitigation Manuras
Permanent reature			Roads 1 residence south of Byron Highway Residence along Byron Highway and California Aqueduct Businesses on Bruns Road (Banks pumping plant) and Kelso Road	Mitigation Measures
230 kV Transmission Lines East Terminus to Ventilation and Access Shaft north of Lambert Road (East-West option) ( <u>Modified</u> Pipeline/Tunnel <u>Alignment</u> )	4	Recreationists Roadway Travelers	Cyclists:         Lambert Road         Lambert Road intersections with:         Various farm and private roads         Caroll Road         Bruceville Road         County Road J8/Franklin Boulevard         Point Pleasant Road         Kestrel Lake Road         Lambert Road intersections with:         Various agricultural roads         Caroll Road         Bruceville Road         County Road J8/Franklin Boulevard         Point Pleasant Road         Lambert Road         Kestrel Lake 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
230 kV Transmission Lines <sup>g</sup> between Intake 5 and <del>Staten</del> <u>IslandIntermediate</u> <u>Forebay (Modified</u> Pipeline/Tunnel Alignment)	4	Residences and Businesses Recreationists	Kestrel Lake Road         Several residences and/or farms along Lambert Road and other unnamed roads within transmission alignment corridor         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

		Affected		
Permanent Feature	Alternatives <sup>c</sup>	Viewers Groups	Locations Feature is Visible From	Mitigation Measures
		Roadway Travelers	SR 160 PM 23.75–32.75 Hood Franklin Road near intersection with SR 160 Scribner Road Lambert Road, from intersection with SR 160 to Elk Slough	
		Residences and Businesses	1 north of Lambert Road 1 south of Lambert Road North and south of Dierssen Road South of Twin Cities Road <del>1 west of Staten Island Road just south of Walnut Grove Road</del> <del>2 at the intersection of Staten Island and Gas Well Roads</del> <del>Several along Gas Well Road west if Staten Island Road at Eagle</del> <del>Tree</del> <del>1 east of Staten Island Road at the southern end of the RTM area</del>	
34.5 kV Transmission       4         Lines <sup>s</sup> between       southern Staten Island         southern Staten Island       and south of SR 12         (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 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
		<del>Roadway</del> <del>Travelers</del>	Staten Island Road SR 12 bridge crossing over Little Potato Slough SR 12 PM 1.5–2.5	
		<del>Residences and</del> Businesses	1 residence north of SR 12 PM 2.25	

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
230 kV Transmission	4	Recreationists	SR 12 PM 2–3	Mitigation Measure AES-1a:
Lines <sup>g</sup> between south of		Recicationists	Venice Island Road	Locate new transmission lines and
SR 12 and Clifton Court			South Bacon Island Road	access routes to minimize the
Forebay ( <u>Modified</u>			Mandeville Island Road	removal of trees and shrubs and
Pipeline/Tunnel			SR 4 PM 0–1.75	pruning needed to accommodate
Alignment)			Byron Highway	transmission lines and
			Bruns Road	underground transmission lines
			Water-based:	where feasible
			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	
		Roadway Travelers	San Joaquin River	
			Old River	
			Middle River	
			Railroad Cut	
			Woodward Canal	
			North Victoria Canal	
			SR 12 PM 2–3	
			Venice Island Road	
			South Bacon Island Road	
			Mandeville Island Road	
			SR 4 PM 0–1.75	
			Byron Highway	
			Bruns Road	
		Residences and	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	

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
Permanent Feature		Viewers Groups	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         Lazy M Marina         Near Byron Inn Café         Along Byron Hot Springs Road, near intersection with Byron         Highway         Residence along Byron Highway and California Aqueduct         Businesses on Bruns Road (Banks pumping plant) and Kelso         Road	
230 kV Transmission Lines Canal Terminus on Union Island to Byron Tract Forebay (East Alignment)	1B, 2B, 6B	Recreationists	Road         Cyclists:         Kelsoe Road         Lindemann Road         Herdlyn Road         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         Bruns 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

Permanent Feature	Alternatives <sup>c</sup>	Affected Viewers Groups	Locations Feature is Visible From	Mitigation Measures
		Residences and Businesses	Concentration of residence in area of Kelsoe and Lindemann Roads 1 residence south of Byron Highway Residence along Byron Highway and California Aqueduct Businesses on Bruns Road (Banks Pumping Plant) and Kelso Road	
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: Sacramento River along SR 84 PM 8.5–9.75 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	Mitigation Measure AES-1a: Locate new transmission lines an access routes to minimize the removal of trees and shrubs and pruning needed to accommodate transmission lines and underground transmission lines where feasible

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		Affected		
Permanent Feature	Alternatives <sup>c</sup>	Viewers Groups	Locations Feature is Visible From	Mitigation Measures
		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	