



Requested Action:

Review and comment on the approach being discussed with Colusa, Glenn and Yolo counties to 1) address County road repairs, improvements, and building of new roads within the project footprint and 2) identify the various permits and approvals needed from the three counties prior to initiating construction.

Detailed Description/Background:

The Final EIR/EIS identified and analyzed the project's effects on County roads and evaluated the various permits and approvals required from the County prior to constructing the project. In making preparations for construction, Staff has been engaged with Colusa, Glenn and Yolo County Staff to identify the specific requirements and needs of the counties to fulfill their land use authorities which includes among other things maintaining roadway conditions and issuing permits and approvals for development projects in the counties, like Sites Reservoir. Board members previously have expressed interest in these specific areas and this item is being presented to receive any policy guidance of the Board, and feedback from specific members, on the approach being taken to address Project effects on County roads and County permits.

County Roads

The approved Project identifies project traffic and haul routing, and new roads, such as the reconfigured Maxwell Sites Road leading to the new bridge over the reservoir. Some existing roads, bridges and crossing structures will require upgrades to safely accommodate project vehicles. Also, over the 7-year duration of construction, there will be significant road wear and tear that the Project will be responsible for repairing as the work is performed and to ensure the roads, bridges and crossing structures affected by the Project are left in as found condition or better. Attachment A lists the roads and crossing structures in all three counties expected to be affected by the Project.

Staff have met with the Colusa, Glenn, and Yolo County staff and are developing a Development Agreement with each County that will specify the approach for road maintenance during the Project duration as follows:

Road repairs – A repair standard has been identified that would be applied consistently across each of the three counties. The Authority will be required to perform as needed maintenance of the roads such that damage incurred during Project construction will be remedied by the Project. This will require close coordination with each of the County's Public Works Departments. Road condition assessments will be performed by the counties pre- and post-project construction, which will be used to determine the extent of repair required to bring the roads back to as found

condition or better; this work will be the responsibility of the Authority. It will be important that the Authority ensure Contractors adhere to using specific roadways for their vehicle and hauling routes to limit damage and repair responsibility. This will be accomplished through the construction contracts.

Road Improvements – Some roads and bridges/crossing structures will require improvements to safely accommodate Project vehicles. County road design and construction standards are being established in the Development Agreement that specify design and construction requirements. The requirements are consistent across all three counties. The improved roads and bridges will become the responsibility of the County upon completion of the Project.

New Roads – These will be identified in the Development Agreement, but the specific conditions and requirements for design, construction, and ownership transfer to the respective County will be established in a separate Agreement at a later date.

County permits and approvals

While there are certain government code exemptions for water facilities to receive permit approvals, there are several components of the Project that are not exempt and will require the Project to go through the permitting process. It is the intent that the Development Agreement would incorporate the Attachment B summary table for designating the county level permits and approvals that are necessary for the project and that each of the jurisdictional counties would agree to expedite their completion of the approvals to align with the Project schedule.

Schedule for Development Agreement

It is anticipated that the development agreements can reach substantial completion and be ready for Board approvals by mid-July. Having this agreement completed will confirm the conditions and requirements that are being considered in the cost estimate for Project fixed and variable costs (construction and operations).

Fiscal Impact/Funding Source:

None.

Staff Contact: Jerry Brown

Primary Service Provider: HDR/AECOM/Jacobs

Attachments:

Attachment A: Local Roads and Crossing Structures

Attachment B: Sites Reservoir Project Components Requiring Land Use Entitlements, Permits or Other Local Government Approvals

ATTACHMENT A: Local Roads and Crossing Structures

County	Road Name	Proposed Work	Length of Road Affected (miles)	Duration of Use	Existing					Proposed					Type of Use			
					Surface Type	# of Lanes/Shld	Lane Width (ft)	Shld Width (ft)	Road Width (ft)	Surface Type	# of Lanes/Shld	Lane Width (ft)	Shld Width (ft)	Road Width (ft)	Public/local Road	Construction Access	Maintenance Access	Recreational
Glenn	County Road 68	Existing road improvements	2.65	6-7 years	Paved asphalt	2	10-11	0-0.5	20-23	Paved asphalt	2	12	4	32	x	x		
Glenn	County Road 69	Existing road improvements	2.11	6-7 years	Paved asphalt	2	8-12	n/a	16-24	Paved asphalt	2	12	4	32	x	x		
Glenn	County Road D	Existing road improvements	0.5	6-7 years	Paved asphalt	2	12	n/a	24	Paved asphalt	2	12	4	32	x	x		
Colusa	Delevan Road	Existing road improvements	2.19	6-7 years	Paved asphalt	2	10-12	0-0.5	20-23	Paved asphalt	2	12	4	32	x	x		
Colusa	Maxwell Sites Road	Existing road repair	1.75	6-7 years	Paved asphalt	2	12	0.5	24-25	Unpaved aggregate/gravel	n/a	24	n/a	24		x	x	
Colusa	Maxwell Sites Road	Existing road repair	2.35	4-5 years	Paved asphalt	2	12	0.5	24-25	Paved asphalt	2	12	0.5	24-25	x	x		
Colusa	Sites Lodoga Road	New road	6.22	4-5 years	Paved asphalt	2	12	0-2	24-28	Paved asphalt	2	12	4	32	x	x		
Colusa	Sites Lodoga Temporary Detour Road	New road (Temporary Detour)	1.23	2-3 years	n/a	n/a	n/a	n/a	n/a	Paved asphalt	2	12	4	32	x			x
Colusa	Huffmaster Road Realignment	New road	6.35	4-5 years	Unpaved aggregate/gravel	n/a	15	n/a	15	Unpaved aggregate/gravel	1	12	1.5	15	x			
Colusa	Comm Road	New road	1.61	1-2 years	Unpaved dirt/trail	n/a	12	n/a	12	Unpaved aggregate/gravel	1	12	1.5	15			x	
Colusa	Day Use Boat Ramp Access	New road	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Paved asphalt	2	15	n/a	30				x
Colusa	Peninsula Hills Recreational Road	New road	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Paved asphalt	2	15	n/a	30				x
Colusa	Stone Corral Recreational Access Road	New road	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Paved asphalt	2	15	n/a	30				x
Yolo	Road 7A	Existing road repair	0.25	2 years	Paved asphalt	n/a	16-20	n/a	16-20	Paved asphalt	n/a	20	n/a	20	x	x		
Yolo	Road 8	Existing road repair	0.88	2 years	Paved asphalt	2	12	0-3	24-30	Paved asphalt	2	12	0-3	30	x	x		
Yolo	Road 89A	Existing road repair	0.26	2 years	Paved asphalt	n/a	16-19	n/a	16-19	Paved asphalt	n/a	20	n/a	20	x	x		
Yolo	Road 90	Existing road repair	0.68	2 years	Paved asphalt	n/a	22-24	n/a	22-24	Paved asphalt	n/a	20	2	24	x	x		
Yolo	Road 99W	Existing road repair	0.95	2 years	Paved asphalt	2	12	6-11	45	Paved asphalt	2	12	8-11	45	x	x		

Structure/Crossing	Route	Condition	Proposed Work	Design Live Loading
North Access Road (near Road 69 split)	Road 69	Existing Bridge - Condition Unknown Major modification required (Existing Width significantly less than required)	New wider bridge accommodating design loading.	HL93 and Permit design Load
Tehama-Colusa Canal	Road 69	Existing Bridge - Condition Unknown Major modification required (Existing Width significantly less than required)	New wider bridge accommodating design loading.	HL93 and Permit design Load
East of Tehama-Colusa Canal	Road 69	Existing Culvert - Condition Unknown	New culvert accommodating an improved widen road.	HL93 and Permit design Load
West of Glenn-Colusa Canal	Road 69	Existing Culvert - Condition Unknown Major modification required (Existing Width significantly less than required)	New culvert accommodating an improved widen road.	HL93 and Permit design Load
Glenn-Colusa Canal	Road 69	Existing Bridge - Condition Unknown Major modification required (Existing Width significantly less than required)	New wider bridge accommodating design loading.	HL93 and Permit design Load
Near the intersection of Road D/Road 68	Road D	Existing Culvert - Condition Unknown Major modification required (Existing Width significantly less than required)	New culvert accommodating an improved widen road.	HL93 and Permit design Load
Near the intersection of Road D/Road 68	Road D	Existing Culvert - Condition Unknown Major modification required (Existing Width significantly less than required)	New wider bridge accommodating design loading.	HL93 and Permit design Load
West of the intersection of Road 68/Road F	Road 68	Existing Culvert - Condition Unknown	Potentially new culvert accommodating design loading.	HL93 and Permit design Load
West of I-5	Road 68	Existing Bridge - Condition Unknown	Potentially new bridge accommodating design loading.	HL93 and Permit design Load
Glenn-Colusa Canal	Delevan Road Extension	Existing Bridge - Condition Unknown Major modification required (Existing Width significantly less than required)	New wider bridge accommodating design loading.	HL93 and Permit design Load
Delvan Road (Private) over Unnamed Creek	Delevan Road Extension	Existing Bridge - Condition Unknown Major modification required (Existing Width significantly less than required)	New wider bridge accommodating design loading.	HL93 and Permit design Load
Sites Reservoir West Bridge	Sites Lodoga Road Realignment	New Bridge	New bridge accommodating design criteria and loading	HL93 and Permit design Load
Sites Reservoir East Bridge	Sites Lodoga Road Realignment	New Bridge	New bridge accommodating design criteria and loading	HL93 and Permit design Load
Bird Creek (22C-0039)	Road 90	Existing Bridge - Condition Unknown	Potentially new bridge accommodating design loading.	HL93 and Permit design Load

ATTACHMENT B:

Sites Reservoir Project Components Requiring Land Use Entitlements, Permits or Other Local Government Approvals

	Land Use Entitlement ¹	Williamson Act Contract Non-Renewal	Encroachment Permit ²	Surface Mining and Reclamation Act Permit ³	Building Permit	Grading Permit	Well and Waste Disposal	Retail Food Safety ⁴	Air Quality Permit ⁵	Transportation Permits ⁶	Comments
Colusa County											
Sites Reservoir Project water storage and conveyance facilities, including: <ul style="list-style-type: none"> Funks Pipelines Funks and TRR West Easement TRR West On-site Quarry Rock Processing Saddle Dams 1 and 2 Saddle Dam Access Roads I/O Works Golden Gate Dam Sites Dam 	Local zoning not applicable; General Plan designation can be overruled	Yes	Yes	Yes	Not Applicable	Yes	Yes	Not Applicable	Yes	Yes	Pursuant to California Code Section 53091(e) (https://law.justia.com/citations.html) "Zoning ordinances of a county or city shall not apply to the location or construction of facilities for the production, generation, storage, treatment, or transmission of water, or for the production or generation of electrical energy, facilities that are subject to Section 12808.5 of the Public Utilities Code, or electrical substations in an electrical transmission system that receives electricity at less than 100,000 volts." Includes permits associated with the demolition of existing buildings and abandonment of wells, underground storage tanks, on-site sewage disposal from Colusa County Environmental Health Division. The land use designation for this area is Agricultural and zoned Exclusive Agriculture, Foothill Agriculture, Rural Services, and Upland Conservation; over 10,000 acres are under Williamson Act Contracts.
Administration/Operations Building: <ul style="list-style-type: none"> one-story, 3,400 square feet building septic system, potable water provided wells, and electricity obtained from the Funks Reservoir switchyard 	Yes, based on non-federal land location	No	TBD	Not Applicable	Yes	Yes	Yes	TBD	Yes	Yes	Currently proposed near Funks Reservoir and will require potable water and waste disposal facilities. May be located on federal land but not yet determined.
Maintenance/Storage Building: <ul style="list-style-type: none"> one-story, 2,700 square feet building septic system, potable water provided wells, and electricity obtained from the Funks Reservoir switchyard 	Yes, based on non-federal land location	No	TBD	Not Applicable	Yes	Yes	Yes	Not Applicable	Yes	Yes	Currently proposed near Funks Reservoir and will require potable water and waste disposal facilities. May be located on federal land but not yet determined.
Visitors Center	Yes	TBD	TBD	Not Applicable	Yes	Yes	Yes	TBD	Yes	TBD	Precise location not determined, possibly located in the vicinity of the Reservoir and will require potable water and waste disposal facilities.

¹ Possible Land Use Entitlements include Use Permits, General Plan Amendments, and/or Zoning Amendments. NOTE: Not applicable to project components that will be "directly and immediately" used to store and transmit water and are not subject to zoning and building ordinances pursuant to California Code Sections 53091 and 53096. Pursuant to California Code Section 65402(c), a local agency may overrule county general plans that would obstruct its construction of any building or structure for a public purpose.

² Includes use of local jurisdiction's right-of-way such as installation of pipeline across or within roadways.

³ Mining activities are regulated in California by the Surface Mining and Reclamation Act (SMARA) and the Lead Agency Review and Assistance (LARA) Program; Colusa County requires large- and small-scale mineral and natural gas extraction, processing, and reclamation operations to obtain a Conditional Use Permit.

⁴ Colusa County Environmental Health is responsible for permitting and inspecting retail food facilities for compliance with the California Retail Food Code.

⁵ Includes Authority to Construct, Permit to Operate from local air districts. NOTE: Yolo-Solano Air Quality Management District is comprised of the 2 counties and seven incorporated cities; Colusa and Glenn have county-specific air districts.

⁶ Related to transport of heavy or oversized loads on county roads.

<p>Improvements to existing roads, including:</p> <ul style="list-style-type: none"> Delevan Road <p>Repairs to existing roads, including:</p> <ul style="list-style-type: none"> Maxwell Sites Road <p>New roads, including:</p> <ul style="list-style-type: none"> Sites Lodoga Road and Bridge Sites Lodoga Temporary Detour Road Huffmaster Road Realignment Comm Road Day Use Boat Ramp Access Road Peninsula Hills Recreation Area Access Road Stone Corral Creek Recreation Area Access Road 	Not Applicable	Yes	Yes	Not Applicable	Not Applicable	Yes	Not Applicable	Not Applicable	Yes	Yes	<p>Road improvements include shoulder improvements, intersection widening, structure improvements, new or improved gravel roadway, and paving; other public local roads including Sites Lodoga Road, Huffmaster Road, Comm Road South, and recreation area roads will be relocated or developed to accommodate project facilities.</p> <p>Repairs to existing roads are intended to return roads to pre-project conditions without changes in geometrics.</p> <p>Construction access and maintenance via onsite roads, including Funks Construction Access Road, Sites Base Dam Access Road, Golden Gate Dam Crest Access Road, I/O Tower Access Road, Funks PGP Maintenance Access Road, Sites Dam Crest Access Road, Saddle Dam Road, and Funks Construction Access Tehama-Colusa Canal Bridge.</p>
<p>Recreational Facilities:</p> <ul style="list-style-type: none"> Day-Use Boat Ramp Peninsula Hills Recreation Area Stone Corral Creek Recreation Area Associated parking Access to electricity Potable water and toilet facilities Emergency response facilities 	Yes, including Minor Use Permit for Public Recreational Facilities and Campgrounds; Full Use Permit for Boat Ramps and Landings	Yes	Yes	Not Applicable	Yes	Yes	Yes	Yes	Yes	Yes	<p>Permit requirements are based on conceptual layout and location and assume that recreational facilities would be subject to local building permits.</p>
Glenn County											
<p>Sites Reservoir water storage and conveyance facilities, including:</p> <ul style="list-style-type: none"> Saddle Dams 1, 3, 5, 6, 8A, and 8B Saddle Dikes 1 and 2 	Local zoning not applicable; General Plan designation can be overruled	Yes	Yes	Not Applicable	Not Applicable	Yes	Not Applicable	Not Applicable	Yes	Yes	<p>Pursuant to California Code Section 53091(e) (https://law.justia.com/citations.html) "Zoning ordinances of a county or city shall not apply to the location or construction of facilities for the production, generation, storage, treatment, or transmission of water, or for the production or generation of electrical energy, facilities that are subject to Section 12808.5 of the Public Utilities Code, or electrical substations in an electrical transmission system that receives electricity at less than 100,000 volts."</p> <p>The existing land uses are Foothill Agriculture/Forestry and Intensive Agriculture; over 2,000 acres are under Williamson Act Contracts.</p>
<p>Improvements to existing roads, including:</p> <ul style="list-style-type: none"> Road 68 Road 69 Road D 	Not Applicable	Yes	Yes	Not Applicable	Not Applicable	Yes	Not Applicable	Not Applicable	Yes	Yes	<p>Improvements to existing roads to support construction include shoulder improvements, intersection widening, structure improvements, and paving. Construction and maintenance on-site access via North Saddle Dam Road, South Saddle Dam Road and North Access Road</p>
Yolo County											
<p>Release Facilities:</p> <ul style="list-style-type: none"> TC Canal Intake Dunnigan Pipeline 	Not Applicable	No	Yes	Not Applicable	Not Applicable	Yes	TBD	Not Applicable	Yes	Yes	<p>Pursuant to California Code Section 53091(e) (https://law.justia.com/citations.html) "Zoning ordinances of a county or city shall not apply to the location or</p>

<ul style="list-style-type: none"> CBD Outlet 												<p>construction of facilities for the production, generation, storage, treatment, or transmission of water, or for the production or generation of electrical energy, facilities that are subject to Section 12808.5 of the Public Utilities Code, or electrical substations in an electrical transmission system that receives electricity at less than 100,000 volts.”</p> <p>In Yolo County, most of the facilities would be located underground and would not conflict with existing land use or zoning designations; these land uses/zoning do not prohibit this type of infrastructure.</p>
<p>Repairs to existing roads, including:</p> <ul style="list-style-type: none"> Road 7A Road 8 Road 89A Road 90 Road 99W 	Not Applicable	No	Yes	Not Applicable	Not Applicable	Yes	TBD	Not Applicable	Yes	Yes	<p>Improvements to existing roads to support construction include shoulder improvements, intersection widening, structure improvements, and paving. Construction access will be accessed from existing roads; maintenance would occur through a Project right-of-way easement.</p> <p>Repairs to existing roads are intended to return roads to pre-project conditions without changes in geometrics.</p>	

Source: Information in this table is derived from the Sites Reservoir Final EIR/EIS and updated with roads identified through current design efforts, interpretation of CA Code, and ongoing coordination with local agencies; TBD = To Be Determined (as design advances)