

EXHIBIT 6-A PRELIMINARY ENVIRONMENTAL STUDY (PES)

Federal Project No.: <u>STPL-5058 (081)</u> <i>(Federal Program Prefix-Project No., Agreement No.)</i>	Final Design: <u>July 2020</u> <i>(Expected Start Date)</i>
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To: <u>Albert Vergel De Dios, P.E.</u> <i>(District Local Assistance Engineer)</i>	From: <u>City of Riverside</u> <i>(Local Agency)</i>
<u>District 8</u> <i>(District)</i>	<u>Sweta Patel, (951) 826-5714</u> <i>(Project Manager's Name and Telephone No.)</i>
<u>464 West Fourth Street, MS 760</u> <u>San Bernardino, CA 92401-1400</u> <i>(Address)</i>	<u>Public Works Department</u> <u>3900 Main Street, 4th Floor</u> <u>Riverside CA 92522</u> <i>(Address)</i>
<u>Albert.Vergel.De.Dios @dot.ca.gov</u> <i>(Email Address)</i>	<u>SCPatel@riversideca.gov</u> <i>(Email Address)</i>

Is this Project "ON" the State Highway System? Yes No **IF YES, STOP HERE** and contact the District Local Assistance Engineer regarding the completion of other environmental documentation.

Federal State Transportation Improvement Program (FSTIP) 2019 24
(Currently Adopted Plan Date) (Page No. ___ attach to this form)

<http://www.dot.ca.gov/hq/transprog/oftmp.htm>

Programming for FSTIP:	Preliminary Engineering		Right of Way		Construction	
	Prior	\$	2019/2020	\$	2021/2022	\$
	<u>4,000,000</u>	<u>4,000,000</u>	<u>2019/2020</u>	<u>13,000,000</u>	<u>2021/2022</u>	<u>28,000,000</u>
	<i>(Fiscal Year)</i>	<i>(Dollars)</i>	<i>(Fiscal Year)</i>	<i>(Dollars)</i>	<i>(Fiscal Year)</i>	<i>(Dollars)</i>

Project Description as Shown in RTP and FSTIP:

IN RIVERSIDE ON THIRD STREET: REPLACE EXISTING 4 LANE (2 IN EACH DIRECTION) R/R/X-ING WITH A 4-LN (2 LNS IN EA DIR – NON-CAPACITY) U.C. GRADE SEPARATION ON THIRD ST BETWEEN VINE STREET AND PARK AVE. (2019 FTIP Riverside County Local Highways, Project ID RIV111121, page 24).

Detailed Project Description: *(Describe the following, as applicable: purpose and need, project location and limits, required right of way acquisition, proposed facilities, staging areas, disposal and borrow sites, construction activities, and construction access.)*

The proposed project is to construct a grade separation at 3rd Street and BNSF, including improvements to the Riverside Canal, realignment of existing 3rd Street, modifications to 3rd Street access driveways, construction of curb, gutter, and sidewalk, and other miscellaneous improvements in the City of Riverside.

(Continue description on "Notes" sheet, last page of this Exhibit, if necessary)

Preliminary Design Information:

Does the project involve any of the following? Please check the appropriate boxes and delineate on an attached map, plan, or layout including any additional pertinent information.

Yes	No	Yes	No	Yes	No
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Widen existing roadway		Ground disturbance		Easements
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Increase number of through lanes		Road cut/fill		Equipment staging
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	New alignment		Excavation: anticipated maximum depth <u>23 ft</u>		Temporary access road/detour
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Capacity increasing—other (e.g., channelization)		Drainage/culverts		Utility relocation
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Realignment		Flooding protection		Right of way acquisition (if yes, attach map with APN)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Ramp or street closure		Stream channel work		Disposal/borrow sites
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Bridge work		Pile driving		Part of larger adjacent project
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Vegetation removal		Demolition		Railroad
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
	Tree removal				

Required Attachments:

- Regional map
- Project location map
- Project footprint map (existing/proposed right of way)
- Engineering drawings (existing and proposed cross sections), if available
- Borrow/disposal site location map, if applicable
- (Note: all maps (except project location map and regional maps) should be consistent with the project description (minimum scale: 1" = 200').)*
- GeoTracker Printout for Hazardous Materials (<http://geotracker.waterboards.ca.gov>).
- Federal Threatened and Endangered Species List from USFWS (<http://ecos.fws.gov/ipac/>).
- Federal Threatened and Endangered Species List from NMFS (http://www.westcoast.fisheries.noaa.gov/maps_data/california_species_list_tools.html).
- Current Photos of Project
- FEMA map
- VIA Questionnaire

Examine the project for potential effects on the environment, direct or indirect and answer the following questions. The "construction area," as specified below, includes all areas of ground disturbance associated with the project, including staging and stockpiling areas and temporary access roads.

Each answer must be briefly documented on the "Notes" pages at the end of the PES Form.

A. Potential Environmental Effects	Yes	To Be Determined	No
General			
1. Will the project require future construction to fully utilize the design capabilities included in the proposed project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Will the project generate public controversy?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Noise			
3. Is the project a Type I project as defined in 23 CFR 772.5(h); "construction on new location or the physical alteration of an existing highway, which significantly changes either the horizontal or vertical alignment or increases the number of through-traffic lanes"?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Does the project have the potential for adverse construction-related noise impact (such as related to pile driving)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air Quality			
5. Is the project in a NAAQS non-attainment or maintenance area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Is the project exempt from the requirement that a conformity determination be made? (If "Yes," state which conformity exemption in 40 CFR 93.126, or 40 CFR 93.128 (check one box below and identify the project type if applicable):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> 40 CFR 93.126 Project Type: <u>Safety – Railroad/Highway Crossing</u>			
<input type="checkbox"/> 40 CFR 93.128			
7. Is the project exempt from regional conformity? (If "Yes," state which conformity exemption in 40 CFR 93.127, Table 3 applies):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. If project is not exempt from regional conformity, (If "No" on Question #7)			
Is project in a metropolitan non-attainment/maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is project in an isolated rural non-attainment area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is project in a CO, PM10 and/or PM2.5 non-attainment/maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hazardous Materials/Hazardous Waste			
9. Is there potential for hazardous materials (including underground or aboveground tanks, etc.) or hazardous waste (including oil/water separators, waste oil, asbestos-containing material, lead-based paint, ADL, etc.) within or immediately adjacent to the construction area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Water Quality/Resources			
10. Does the project have the potential to impact water resources (rivers, streams, bays, inlets, lakes, drainage sloughs) within or immediately adjacent to the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. Is the project within a designated sole-source aquifer?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Coastal Zone			
12. Is the project within the State Coastal Zone, San Francisco Bay, or Suisun Marsh?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Floodplain			
13. Is the construction area located within a regulatory floodway or within the base floodplain (100-year elevation of a watercourse or lake)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wild and Scenic Rivers			
14. Is the project within or immediately adjacent to a Wild and Scenic River System?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Biological Resources			
15. Is there a potential for federally listed threatened or endangered species, or their critical habitat or essential fish habitat to occur within or adjacent to the construction area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16. Does the project have the potential to directly or indirectly affect migratory birds, or their nests or eggs (such as vegetation removal, box culvert replacement/repair, bridge work, etc.)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17. Is there a potential for wetlands to occur within or adjacent to the construction area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18. Is there a potential for agricultural wetlands to occur within or adjacent to the construction area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
19. Is there a potential for the introduction or spread of invasive plant species?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sections 4(f) and 6(f)			
20. Are there any historic sites or publicly owned public parks, recreation areas, wildlife or waterfowl refuges (Section 4[f]) within or immediately adjacent to the construction area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21. Does the project have the potential to affect properties acquired or improved with Land and Water Conservation Fund Act (Section 6[f]) funds?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Visual Resources			
22. Does the project have the potential to affect any visual or scenic resources?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Relocation Impacts			
23. Will the project require the relocation of residential or business properties?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Land Use, Community, and Farmland Impacts			
24. Will the project require any right of way, including partial or full takes? Consider construction easements and utility relocations.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25. Is the project inconsistent with plans and goals adopted by the community?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
26. Does the project have the potential to divide or disrupt neighborhoods/communities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
27. Does the project have the potential to disproportionately affect low-income and minority populations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
28. Will the project require the relocation of public utilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29. Will the project affect access to properties or roadways?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30. Will the project involve changes in access control to the State Highway System (SHS)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
31. Will the project involve the use of a temporary road, detour, or ramp closure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32. Will the project reduce available parking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
33. Will the project construction encroach on state or federal lands?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
34. Will the project convert any farmland to a different use or impact any farmlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cultural Resources			
35. Is there National Register listed, or potentially eligible historic properties, or archaeological resources within or immediately adjacent to the construction area? <i>(Note: Caltrans PQS answers question #35)</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
36. Is the project adjacent to, or would it encroach on Tribal land?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

For Sections B, C, and D, check appropriate box to indicate required technical studies, coordination, permits, or approvals.

B. Required Technical Studies and Analyses	C. Coordination	D. Anticipated Actions/Permits/Approvals
<input type="checkbox"/> Traffic <i>Check one:</i> <input type="checkbox"/> Traffic Study <input type="checkbox"/> Technical Memorandum <input type="checkbox"/> Discussion in ED Only	<input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval <input type="checkbox"/> Approval <input type="checkbox"/> Approval
<input checked="" type="checkbox"/> Noise <i>Check as applicable:</i> <input type="checkbox"/> Traffic Related <input checked="" type="checkbox"/> Construction Related <i>Check one:</i> <input type="checkbox"/> Noise Study Report <input type="checkbox"/> NADR <input checked="" type="checkbox"/> Technical Memorandum <input type="checkbox"/> Discussion in ED Only	<input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans <input checked="" type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval <input type="checkbox"/> Approval <input checked="" type="checkbox"/> Approval Approval
<input type="checkbox"/> Air Quality <i>Check as applicable:</i> <input type="checkbox"/> Traffic Related <input type="checkbox"/> Construction Related <i>Check one:</i> <input type="checkbox"/> Air Quality Report <input type="checkbox"/> Technical Memorandum <input type="checkbox"/> Discussion in ED Only	<input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans <input type="checkbox"/> FHWA <input type="checkbox"/> Caltrans <input type="checkbox"/> Regional Agency	<input type="checkbox"/> Approval <input type="checkbox"/> Approval <input type="checkbox"/> Approval <input type="checkbox"/> Conformity Finding (23 USC 327 CEs, EAs, EISs) <input type="checkbox"/> Conformity Finding (23 USC 326 CEs) <input type="checkbox"/> PM10/PM2.5 Interagency Consultation
<input checked="" type="checkbox"/> Hazardous Materials/ Hazardous Waste <i>Check as applicable:</i> <input checked="" type="checkbox"/> Initial Site Assessment (Phase 1) <input type="checkbox"/> Preliminary Site Assessment (Phase 2) <input type="checkbox"/> Discussion in ED Only	<input checked="" type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans <input checked="" type="checkbox"/> Cal EPA DTSC <input checked="" type="checkbox"/> Local Agency	<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Approval <input type="checkbox"/> Approval <input checked="" type="checkbox"/> Review Database <input checked="" type="checkbox"/> Review Database
<input type="checkbox"/> Water Quality/Resources <i>Check as applicable:</i> <input checked="" type="checkbox"/> Water Quality Assess. Report <input type="checkbox"/> Technical Memorandum <input type="checkbox"/> Discussion in ED Only	<input checked="" type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans	<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Approval <input type="checkbox"/> Approval
<input type="checkbox"/> Sole-Source Aquifer (Districts 5, 6 and 11)	<input type="checkbox"/> EPA (S.F. Regional Office)	<input type="checkbox"/> Approval of Analysis in ED
<input type="checkbox"/> Coastal Zone	<input type="checkbox"/> CCC	<input type="checkbox"/> Coastal Zone Consistency Determination

B. Required Technical Studies and Analyses	C. Coordination	D. Anticipated Actions/Permits/Approvals
<input type="checkbox"/> Floodplain		
<i>Check as applicable:</i>		
<input type="checkbox"/> Location Hydraulic Study	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input type="checkbox"/> Floodplain Evaluation Report	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input type="checkbox"/> Summary Floodplain Encroachment Report	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Only Practicable Alternative Finding
	<input type="checkbox"/> FHWA	<input type="checkbox"/> Approves significant encroachments and concurs in Only Practicable Alternative Findings
<input type="checkbox"/> Wild and Scenic Rivers	<input type="checkbox"/> River Managing Agency	<input type="checkbox"/> Wild and Scenic Rivers Determination
<input type="checkbox"/> Biological Resources		
<i>Check as applicable:</i>		
<input type="checkbox"/> NES, Minimal Impact	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input type="checkbox"/> NES		
<input type="checkbox"/> BA	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approves for Consultation
	<input type="checkbox"/> USFWS	<input type="checkbox"/> Section 7 Informal/Formal Consultation
	<input type="checkbox"/> NOAA Fisheries	
<input type="checkbox"/> EFH Evaluation	<input type="checkbox"/> NOAA Fisheries	<input type="checkbox"/> MSA Consultation
<input type="checkbox"/> Bio-Acoustic Evaluation	<input type="checkbox"/> NOAA Fisheries	<input type="checkbox"/> Approval
<input type="checkbox"/> Technical Memorandum	<input type="checkbox"/> Caltrans	Approval
<input type="checkbox"/> Wetlands		
<i>Check as applicable:</i>		
<input type="checkbox"/> WD and Assessment	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
	<input type="checkbox"/> ACOE	<input type="checkbox"/> Wetland Verification
	<input type="checkbox"/> NRCS	<input type="checkbox"/> Agricultural Wetland Verification
	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Wetlands Only Practicable Alternative Finding
<input type="checkbox"/> Invasive Plants		
<input type="checkbox"/> Discussion in ED Only	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input type="checkbox"/> Section 4(f)		
<i>Check as applicable:</i>		
	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Determine Temporary Occupancy
<input type="checkbox"/> De minimis	<input type="checkbox"/> Caltrans	<input type="checkbox"/> De minimis finding
<input type="checkbox"/> Programmatic 4(f) Evaluation Type: _____	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input type="checkbox"/> Individual 4(f) Evaluation	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
	<input type="checkbox"/> Agency with Jurisdiction	
	<input type="checkbox"/> SHPO	
	<input type="checkbox"/> DOI	
	<input type="checkbox"/> HUD	
	<input type="checkbox"/> USDA	

B. Required Technical Studies and Analyses	C. Coordination	D. Anticipated Actions/Permits/Approvals
<input type="checkbox"/> Section 6(f)	<input type="checkbox"/> Agency with Jurisdiction <input type="checkbox"/> NPS	<input type="checkbox"/> Determines Consistency with Long-Term Management Plan
	<input type="checkbox"/> NPS	<input type="checkbox"/> Approves Conversion
<input type="checkbox"/> Visual Resources <input type="checkbox"/> Technical Memorandum <input type="checkbox"/> Minor VIA <input type="checkbox"/> Moderate VIA <input type="checkbox"/> Advance/Complex VIA	<input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval <input type="checkbox"/> Approval <input type="checkbox"/> Approval <input type="checkbox"/> Approval
<input checked="" type="checkbox"/> Relocation Impacts <i>Check one:</i> <input checked="" type="checkbox"/> Relocation Impact Memo <input type="checkbox"/> Relocation Impact Study <input type="checkbox"/> Relocation Impact Report	<input checked="" type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans	<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Approval <input type="checkbox"/> Approval
<input checked="" type="checkbox"/> Land Use and Community Impacts <i>Check one:</i> <input type="checkbox"/> CIA <input checked="" type="checkbox"/> Technical Memorandum <input type="checkbox"/> Discussion in ED Only	<input type="checkbox"/> Caltrans <input checked="" type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Approval
<input type="checkbox"/> Construction/Encroachment on State Lands <i>Check as applicable:</i> <input type="checkbox"/> SLC Jurisdiction <input type="checkbox"/> Caltrans Jurisdiction <input type="checkbox"/> SP Jurisdiction	<input type="checkbox"/> SLC <input type="checkbox"/> Caltrans <input type="checkbox"/> SP	<input type="checkbox"/> SLC Lease <input type="checkbox"/> Encroachment Permit <input type="checkbox"/> Encroachment Permit
<input type="checkbox"/> Construction/Encroachment on Federal Lands	<input type="checkbox"/> Federal Agency with Jurisdiction	<input type="checkbox"/> Encroachment Permit
<input type="checkbox"/> Construction/Encroachment On Indian Trust Lands	<input type="checkbox"/> Bureau of Indian Affairs	<input type="checkbox"/> Right of Way Permit
<input type="checkbox"/> Farmlands <i>Check one:</i> <input type="checkbox"/> CIA <input type="checkbox"/> Technical Memorandum <input type="checkbox"/> Discussion in ED Only <i>Check as applicable:</i> <input type="checkbox"/> Form AD 1006 <input type="checkbox"/> Conversion to Non-Agri Use	<input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans <input type="checkbox"/> NRCS <input type="checkbox"/> CDOC <input type="checkbox"/> ACOE	<input type="checkbox"/> Approval <input type="checkbox"/> Approval <input type="checkbox"/> Approval <input type="checkbox"/> Approves Conversion <input type="checkbox"/> Approves Conversion

B. Required Technical Studies and Analyses	C. Coordination	D. Anticipated Actions/Permits/ Approvals
<input checked="" type="checkbox"/> Cultural Resources (PQS completes this section) <i>Check as applicable:</i>	<input type="checkbox"/> Caltrans PQS	<input type="checkbox"/> Screened Undertaking
<input checked="" type="checkbox"/> APE Map	<input checked="" type="checkbox"/> Caltrans PQS and DLAE	<input checked="" type="checkbox"/> Approves APE Map
	<input checked="" type="checkbox"/> Local Preservation Groups and/or Native American Tribes	<input checked="" type="checkbox"/> Provides Comments Regarding Concerns with Project
<input checked="" type="checkbox"/> HPSR <input checked="" type="checkbox"/> ASR <input checked="" type="checkbox"/> HRER	<input checked="" type="checkbox"/> Caltrans	<input checked="" type="checkbox"/> Approves for Consultation
<input type="checkbox"/> Finding of Effect Report	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Concurs on No Effect, No Adverse Effect with Standard Conditions
	<input type="checkbox"/> SHPO	<input type="checkbox"/> Letter of Concurrence on Eligibility, No Adverse Effect without Standard
<input type="checkbox"/> MOA	<input type="checkbox"/> Caltrans <input type="checkbox"/> SHPO <input type="checkbox"/> ACHP (if requested)	<input type="checkbox"/> Approves MOA <input type="checkbox"/> Approves MOA <input type="checkbox"/> Approves MOA
<input checked="" type="checkbox"/> Permits Copies of permits and a list of mitigation commitments are mandatory submittals following NEPA approval.	<input type="checkbox"/> ACOE <input type="checkbox"/> ACOE <input type="checkbox"/> Caltrans/ACOE/EPA <input type="checkbox"/> USFWS <input type="checkbox"/> NOAA Fisheries <input type="checkbox"/> ACOE <input type="checkbox"/> USCG <input type="checkbox"/> RWQCB <input type="checkbox"/> CDFG <input checked="" type="checkbox"/> RWQCB <input type="checkbox"/> CCC <input type="checkbox"/> Local Agency <input type="checkbox"/> BCDC	<input type="checkbox"/> Section 404 Nationwide Permit <input type="checkbox"/> Section 404 Individual Permit <input type="checkbox"/> NEPA/404 Integration MOU <input type="checkbox"/> Rivers and Harbors Act Section 10 Permit <input type="checkbox"/> USCG Bridge Permit <input type="checkbox"/> Section 401 Water Quality Certification <input type="checkbox"/> Section 1602 Streambed Alteration Agreement <input type="checkbox"/> NPDES Permit <input type="checkbox"/> Coastal Zone Permit <input type="checkbox"/> BCDC Permit

Notes: Additional studies may be required for other federal agencies.

ACHP	=	Advisory Council on Historic Preservation	HRER	=	Historical Resources Evaluation Report
ACOE	=	U.S. Army Corps of Engineers	HUD	=	U.S. Housing and Urban Development
ADL	=	Aerially Deposited Lead	MOA	=	Memorandum of Agreement
APE	=	Area of Potential Effect	MSA	=	Magnuson-Stevens Fishery Conservation and Management Act
APN	=	Assessor Parcel Number	NEPA	=	National Environmental Policy Act
ASR	=	Archaeological Survey Report	NADR	=	Noise Abatement Decision Report
BA	=	Biological Assessment	NES	=	Natural Environment Study
BCDC	=	Bay Conservation and Development Commission	NHPA	=	National Historic Preservation Act
BE	=	Biological Evaluation	NOAA	=	National Oceanic and Atmospheric Administration
BO	=	Biological Opinion	NMFS	=	National Marine Fisheries Service
Cal EPA	=	California Environmental Protection Agency	NPDES	=	National Pollutant Discharge Elimination System
CCC	=	California Coastal Commission	NPS	=	National Park Service
CDFW	=	California Department of Fish and Wildlife	NRCS	=	Natural Resources Conservation Service
CDOC	=	California Department of Conservation	PM10	=	Particulate Matter 10 Microns in Diameter or Less
CE	=	Categorical Exclusion	PM2.5	=	Particulate Matter 2.5 Microns in Diameter or Less
CIA	=	Community Impact Assessment	PMP	=	Project Management Plan
CWA	=	Clean Water Act	PQS	=	Professionally Qualified Staff
DLAE	=	District Local Assistance Engineer	ROD	=	Record of Decision
DOI	=	U.S. Department of Interior	RTIP	=	Regional Transportation Improvement Program
DTSC	=	Department of Toxic Substances Control	RTP	=	Regional Transportation Plan
EA	=	Environmental Assessment	RWQCB	=	Regional Water Quality Control Board
ED	=	Environmental Document	SER	=	Standard Environmental Reference
EFH	=	Essential Fish Habitat	SEP	=	Senior Environmental Planner
EIS	=	Environmental Impact Statement	SHPO	=	State Historic Preservation Officer
EPA	=	U.S. Environmental Protection Agency	SLC	=	State Lands Commission
FEMA	=	Federal Emergency Management Agency	SP	=	State Parks
FHWA	=	Federal Highway Administration	TIP	=	Transportation Improvement Program
FONSI	=	Finding of No Significant Impacted	USCG	=	U.S. Coast Guard
FTIP	=	Federal Transportation Improvement Program	USDA	=	U.S. Department of Agriculture
HPSR	=	Historic Property Survey Report	USFWS	=	U.S. Fish and Wildlife Service
			WD	=	Wetland Delineation

E. Preliminary Environmental Document Classification (NEPA)

Based on the evaluation of the project, the environmental document to be developed should be:

Check one:

- Environmental Impact Statement *(Note: Engagement with participating agencies in accordance with 23 USC 139 required)*
 - Compliance with 23 USC 139 regarding Participating Agencies required
- Complex Environmental Assessment
- Routine Environmental Assessment
- Categorical Exclusion without required technical studies.
- Categorical Exclusion with required technical studies

(if Categorical Exclusion is selected, check one of the following):

- Section 23 USC 326
 - 23 CFR 771 activity (c)(28)
 - 23 CFR 771 activity (d) (____)
 - Activity ____ listed in the Section 23 USC 326
- Section 23 USC 327

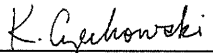
F. Public Availability and Public Hearing

Check as applicable:

- Not Required
- Notice of Availability of Environmental Document
- Public Meeting
- Notice of Opportunity for a Public Hearing
- Public Hearing Required

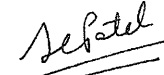
G. Signatures

Local Agency Staff and/or Consultant Signature

 <hr style="border: 0; border-top: 1px solid black;"/> <p><i>(Signature of Preparer)</i></p>	<hr style="border: 0; border-top: 1px solid black;"/> <p>12/13/2019 <i>(Date)</i></p>	<hr style="border: 0; border-top: 1px solid black;"/> <p>(858) 712-8222 <i>(Telephone No.)</i></p>
<hr style="border: 0; border-top: 1px solid black;"/> <p>Kelly Czechowski <i>(Name)</i></p>		

Local Agency Project Engineer Signature

This document was prepared under my supervision, according to the *Local Assistance Procedures Manual*, Exhibit 6-B, "Instructions for Completing the Preliminary Environmental Study Form."

 <hr style="border: 0; border-top: 1px solid black;"/> <p><i>(Signature of Local Agency)</i></p>	<hr style="border: 0; border-top: 1px solid black;"/> <p>2/3/2020 <i>(Date)</i></p>	<hr style="border: 0; border-top: 1px solid black;"/> <p>(951) -826-5714 <i>(Telephone No.)</i></p>
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Caltrans District Professionally Qualified Staff (PQS) Signature

- Project does not meet definition of an "undertaking"; no further review is necessary under Section 106 ("No" Section A, #35).
- Project is limited to the type of activity listed in Attachment 2 of the Section 106 PA and based on the information provided in the PES Form, the project does not have the potential to affect historic properties ("No" Section A, #35).
- Project is limited to the type of activity listed in Attachment 2 of the Section 106 PA, but the following additional procedures or information is needed to determine the potential for effect ("To Be Determined" Section A, #35):
 - Records Search _____ _____ _____
- Project meets the definition of an "undertaking"; all properties in the project area are exempt from evaluation per Attachment 4 of the Section 106 PA ("No" Section A, #35).
- The proposed undertaking is considered to have the potential to affect historic properties; further studies for 106 compliance are indicated in Sections B, C, and D of this PES Form ("Yes" Section A, #35).


(Signature of Professionally Qualified Staff)

2/4/20
(Date)

909-383-2647
(Telephone No.)

The following signatures are required for all CEs, routine and complex EAs, and EISs:

Caltrans District Senior Environmental Planner (or Designee) and DLAE Signatures

I have reviewed this Preliminary Environmental Study (PES) Form and determined that the submittal is complete and sufficient. I concur with the studies to be performed and the recommended NEPA Class of Action.


(Signature of Senior Environmental Planner or Designee)

2-4-20
(Date)

909 383-2841
(Telephone No.)

AARON BURTON
(Name)


(Signature of District Local Assistance Engineer or Designee)

2-4-2020
(Date)

(909)809-3944
(Telephone No.)

ALBERTO VERGEL DE DIOS
(Name)

HQ DEA Environmental Coordinator concurrence _____ . Email concurrence attached.
(date)

**Preliminary Environmental Investigation
Notes to Support the Conclusions of the PES Form
(May Also Include Continuation of Detailed Project Description)**

CONTINUATION OF DETAILED PROJECT DESCRIPTION**Introduction**

The City of Riverside (City) is proposing to construct a railroad grade separation at Third Street and the Burlington Northern Santa Fe Railroad (BNSF) at-grade crossing (DOT ID# 026480N). The crossing is located on Third Street, just to the east of State Route 91 and between Vine Street and Commerce Street.

Purpose and Need

Third Street is an existing four-lane arterial road providing a connection route between downtown Riverside and the I-215 and passes through an industrial area between SR-91 and I-215. In addition, Third Street is used as bus routes for Riverside Transit Agency (RTA) buses and for Student Transportation America buses coming from their depot at the corner of Massachusetts and Kansas Avenue. J.W. North High School is located approximately one mile east of the crossing with a substantial number of school children and other pedestrians passing through the BNSF crossing on a daily basis. Traffic volumes along this section of Third Street are anticipated to increase to nearly 17,000 vehicles per day by the year 2025. The existing at-grade crossing is located just east of Vine Street and SR-91. This at-grade crossing currently has three BNSF tracks with a future fourth track proposed. At this existing at-grade crossing, traffic and pedestrian movements are often delayed while waiting for trains to move through the crossing. With the growth in both freight and passenger train traffic expected in this area, these delays are anticipated to increase public safety concerns at this at-grade crossing. Safety will be improved by removing this crossing conflict.

The purpose of the project is to eliminate an at-grade railroad crossing on Third Street. The project is needed in order to increase safety and reduce the frequency of accidents on the road caused by the presence of an at-grade railroad crossing. The project would eliminate the interface between vehicle, pedestrian, and railroad infrastructure which would result in enhanced safety and eliminate delay due to the railroad crossing along Third Street.

Project Description

The proposed project would provide a grade separated crossing by depressing Third Street between Vine Street and Park Street. Third Street would be lowered as an underpass and shifted southerly to avoid major property impacts to surrounding businesses. The proposed project would maintain the existing horizontal roadway configuration that consists of a conventional four-lane arterial roadway. The three existing BNSF main line tracks will be permanently shifted easterly to minimize disruptions of rail operations. Commerce Street that currently connects to Third Street just east of the BNSF tracks will be shifted easterly to allow for shifting of the tracks and to develop an improved intersection with Third Street. Project features include: Removal of existing asphalt concrete pavement, curbs, driveways, sidewalks, drainage piping and structures, and relocation of existing sewer, water and gas mainline within the project limits. New improvements will include construction of a railroad bridge (grade separation structure), permanent relocation of the three main line BNSF tracks, new retaining walls, asphalt concrete pavement, concrete curbs, sidewalks, traffic signals and site modifications to adjacent properties.

The new bridge structure will be two span structure approximately 80 feet wide by 100 feet long. A new storm drain system will be built to drain the underpass sump condition by installing catch basins and storm drain piping, construction of a new pump station and construction of a new water quality retention basin. The function of the pump station would be to pump any storm water that accumulates at the lowest point of the underpass into the storm drain system. The pump would discharge into the water quality retention basin on the south side of Third Street. In addition, an existing 78-inch Riverside County Flood Control storm drain line at the intersection of Mission Inn Avenue and Commerce Street will be extended to the intersection of Fourth Street and Commerce Street to allow for gravity discharge out of the water quality retention basin into this Riverside County Flood Control storm drain line to be drained offsite.

The existing Riverside Canal located adjacent to the BNSF tracks will be lowered through the underpass by the use of a siphon design to allow for the lowering of Third Street. The project would relocate existing underground utilities, including water and sewer lines, storm drains, gas, fiber optics to allow for the lowering of the roadway surface. The proposed project would eliminate the existing railroad-crossing signal since the road would be beneath the tracks.

Construction Period

Project construction would take approximately 18 months. Construction equipment would be stored on site. The first phase of construction will be realignment of Commence Street and build the new rail bridge while leaving BNSF operations unaffected. The second phase will be to shift the BNSF rail tracks to the new bridge and complete the underpass construction.

The project would require cut of approximately 70,000 cubic yards. The soil would be disposed of at a permitted disposal facility or reused at another site, depending on the levels of constituents in the soils. During construction of the project, it would be necessary to close Third Street to all through traffic at the project site. Two alternative detour routes have been developed. Both detour routes are intended to avoid routing traffic through the residential neighborhoods south and east of the project site. Detour Route 1 would detour all traffic to the south, via Lime Street, University Avenue, and Chicago Avenue. Detour Route 2 would detour all traffic to the north, via Vine Street/La Cadena Drive, Spruce Street, and Chicago Avenue.

The construction of retaining walls along the lateral edges of depressed portions of each roadway would affect five driveways to commercial and/or manufacturing locations and one ground-level pedestrian walkway. However, access to adjacent businesses would be maintained at all times. Closure, or partial closure, of driveways would require 72-hour advance notice and approval from the City and affected businesses. No residential access would be affected. Third Street would be closed during construction of the underpass; however, access to adjacent properties would be provided. Site excavation will range from existing elevations at the tie-ins at Vine Street and Park Avenue to a depth of 25 feet at the low point of the new roadway profile under the proposed bridge structure.

BRIEF EXPLANATION OF HOW PROJECT COMPLIES, OR WILL COMPLY WITH APPLICABLE FEDERAL MANDATE (PART A):

1. The proposed project is consistent with the ultimate capacity of 3rd Street as envisioned by the City of Riverside. Future construction to fully utilize the design capabilities of the proposed project is not required.
2. Implementation of the proposed project would meet the goals stated in the City of Riverside's General Plan Circulation Element, primarily the facilitation of safe and timely access through the City. To date, public controversy has not been generated regarding the potential environmental impacts from the project. The proposed project is not anticipated to generate controversy.
3. The proposed project would result in the construction of a grade separation which may require changes in the horizontal or vertical alignment in the project area.
4. The proposed project is not anticipated to generate substantial amounts of construction-related noise. However, pile driving activities may be required to construct proposed improvements.
5. The project is in a NAAQS non-attainment area for ozone and PM_{2.5} and a maintenance area for CO, NO₂ and PM₁₀.
6. The project is one of the project types (Safety – Railroad/Highway crossing) included in the 40 CFR 93.126, Table 2. Therefore, the project is exempt from the requirement that a conformity determination be made.
7. As noted above, the project is exempt from the requirement that a conformity determination be made.
8. As noted above, the project is exempt from the requirement that a conformity determination be made.
9. Because the proposed project includes the construction of a grade separation, a potential for exposure to hazardous materials, in the form of aerially deposited lead (ADL) or past hazardous spills may be present within the project limits. As required by Caltrans, a Hazardous Materials Initial Site Assessment (ISA) will be prepared to assess potential hazardous materials impacts resulting from the construction and operation of the proposed project.
10. The Riverside Canal runs underground north/south through the proposed project's boundaries and crosses 3rd Street just west of the existing BNSF tracks. Minimal impacts are anticipated to the Riverside Canal.
11. The project is located within Riverside County and would not be located within or near a designated sole-source aquifer, which are located in Fresno, Santa Cruz, Butte, and Imperial Counties.
12. The project site is located approximately 40 miles northeast of the Pacific Ocean in the City of Riverside. Therefore, the project site is not within the State Coastal Zone, San Francisco Bay, or Suisun Marsh.
13. The project is not within a regulatory floodway or the base floodplain elevation of a watercourse or lake.
14. The nearest river to the proposed project site is the Santa Ana River (located approximately 2 miles to the west. The Santa Ana River is not designated as a Wild and Scenic River, therefore, the project is not within or adjacent to a Wild and Scenic River System.
15. Due to the highly urbanized nature of the project area, it is highly unlikely that special-status plants and animal species will be disturbed by the project due to lack of suitable habitat.

16. A limited number of trees would be removed as part of the project, however, the project area does contain additional trees located in close proximity to the project construction area. Due to the existing level of disturbance in the project area and scope of construction activities, it is unlikely that the project would directly or indirectly affect migratory birds.
17. The project is located within a heavily urbanized area of the City, with existing infrastructure and impervious surfaces. There are no wetlands identified within the project limits. Therefore, the project would not involve any work within a wetland area.
18. Properties within and adjacent to the project limits are designated as "Urban and Built-Up" by the Farmland Mapping and Monitoring Program (California Department of Conservation, 2019). "Urban and Built-Up" land is defined as land used for residential, industrial, commercial, construction, institutional, public administration, railroad and other transportation yards, cemeteries, airports, golf courses, sanitary landfills, sewage treatment, water control structures, and other developed purposes. There is no potential for agricultural wetlands to occur within or adjacent to the project site.
19. The project consists of the construction of a grade separation in a highly urbanized environment. No components of the project would involve the introduction of invasive species. Work associated with the proposed project would conform to Executive Order 13112 regarding invasive species.
20. There are no publicly owned parks, recreation areas, or wildlife or waterfowl refuges that are located within or adjacent to the proposed project limits.
21. There are no properties in the project area that were acquired or improved with Land and Water Conservation Fund Act (Section 6(f)) funds.
22. The project is located in an area of the City that is heavily urbanized. Land uses within the project limits consist of industrial, commercial, and roadway features. No City or State designated visual resources are located within or adjacent to the project limits. The grade separation would be designed with architectural features to complement the aesthetics of the area and would be reviewed and approved by the City. It is anticipated that the proposed project will not adversely affect any visual or scenic resources. A copy of the project's Questionnaire to Determine VIA Level is attached to this PES form as Attachment D.
23. The proposed project would require additional right-of-way with the potential for full acquisition of selected parcels within the project limits. As a result, some businesses located within the project limits would need to be relocated. The potential relocation impacts resulting from the construction and operation of the proposed project would be documented as part of the Relocation Impact Memorandum prepared for the proposed project.
24. The proposed project would require additional right-of-way into areas outside of the existing right-of-way. These additional areas would be necessary for the construction of the grade separation, the realignment of 3rd Street, the staging of materials and construction equipment, and other project related activities.
25. The proposed project is consistent with plans and goals adopted by the City of Riverside and regional agencies.
26. The proposed project is not anticipated to divide or substantially disrupt the community. Potential community impacts resulting from the construction and operation of the proposed project would be documented as part of the Community Impact Technical Memorandum prepared for the proposed project.
27. The proposed project limits are within Census Tract 304 and Census Tract 305.02. The predominant land use within the project limits is commercial, industrial, and transit uses with limited residential uses. The project is not anticipated to disproportionately affect low-income or minority populations in the project area. However, the identification of potential low-income or minority populations would be included as part of the Community Impact Technical Memorandum prepared for the proposed project.
28. The project involves the construction of a grade separation and the realignment of 3rd Street. It is anticipated that the relocation of public utilities would be required as part of the proposed project. The relocation of public utilities would be documented as part of the Community Impact Technical Memorandum prepared for the proposed project.
29. 3rd Street is a primary point of access from downtown Riverside to points east. Implementation of the proposed project would modify access to and through the City. Temporary detours would be required such as lane closures through the duration of the proposed project. Any required lane closures or detours would be implemented in accordance with applicable City of Riverside requirements. Due to the proposed realignment of 3rd Street to accommodate the proposed project, there will be a change in access to local businesses along 3rd Street. This change in access would be documented as part of the Community Impact Technical Memorandum prepared for the proposed project.
30. No changes to access control to the State Highway System (SHS) are proposed as part of this project.
31. During construction, full sections of the roadway or partial lane closures may be required. As part of the construction plans prepared for the proposed project, a traffic control plan would be prepared for each phase of project to ensure that access to and from 3rd Street would be accommodated. Any required lane closures and/or detours would be conducted in accordance with applicable City requirements.
32. On street parking is currently not provided along the 3rd Street segment within the project limits. The project would be located adjacent to areas containing parking lots that serve existing businesses. The proposed project would require acquisition of existing parking areas that serve some existing businesses. However, these existing businesses would be

relocated to areas where adequate parking to service the business would be available. Therefore, the project would not reduce the availability of parking in the project area.

33. Construction of the proposed project is not anticipated to encroach on state or federal lands.

34. No agricultural operations are located adjacent or within the project limits. Properties within and adjacent to the project limits are designated as "Urban and Built-Up" by the Farmland Mapping and Monitoring Program (California Department of Conservation, 2019). As no prime or unique farmland is located within or adjacent to the proposed project site, no conversion of or impact to prime or unique farmland would occur.

35. Caltrans Professional Qualified Staff (PQS) answers Question #35.

36. The project is not adjacent to and would not encroach upon tribal lands.

Distribution 1) Original - DLAE, 2) Local Agency Project Manager, 3) DLA Environmental Coordinator
4) Senior Environmental Planner (or designee), 5) District PQS