

# **Appendix J      SHPO Coordination**

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*Appendix J – SHPO Coordination*

## **Project Description**

The North County Corridor New State Route 108 (SR-108) Project proposes to build a new and realigned SR-108 from the intersection of State Route 219 and Tully Road to State Route 120 and the existing SR-10 facility east of the City of Oakdale. The Project is located in Caltrans District 10 within portions of the Oakdale, Riverbank, and Modesto communities, Stanislaus County, California.

The Project was evaluated for environmental purposes in three main segments. Segment 1 represents the more urbanized area; Segment 2 represents a transition from urbanized to rural area; and Segment 3 represents the rural foothill area. The project was divided into these segments to assist the public in visualizing the location and landscape of the project area.

Segment 1 begins at the SR-219 Kiernan Avenue/Tully Rxdoad intersection, which is the western end of the project. The project then extends to the existing Claus Road/Claribel Road intersection near the southeast portion of the City of Riverbank and northeast portion of the City of Modesto's future sphere of influence, including future areas projected to be incorporated into the City boundaries.

Segment 2 veers northeast from near the existing Claus Road/Claribel Road intersection and passes through the southern boundary of the City of Oakdale to just east of Albers Road. This segment then continues to extend easterly along Claribel Road and veers northeastward past the intersection of Claribel Road/Bentley Road to just east of Albers Road.

In Segment 3, the project continues in a northeasterly direction to the eastern project terminus at the proposed new SR-108/SR-120 intersection, located west of the existing SR-120/Lancaster Road intersection.

The North County Corridor New SR-108 alignment begins at SR-219 (Kiernan Avenue)/Tully Road intersection, which is north of the City of Modesto between Kiernan Avenue/Carver Road intersection and SR-219/McHenry Avenue intersection. The alignment continues eastward along the existing SR-219 (Kiernan Avenue), which becomes Claribel Road east of existing SR-108/McHenry Avenue.

### *Roadway Corridor*

- The proposed North County Corridor alignment will be a freeway/expressway with controlled access.
- A minimum 244-foot-wide right-of-way with two to three 12-foot-wide through lanes in each direction of the roadway with 5-foot-wide to 10-foot-wide shoulders.
- The eastbound and westbound alignments will be separated by a 46-foot-wide to 70-foot-wide median. There will be drainage swales along each side of the roadway.
- From Claus Road to the end of the new alignment at SR-108/SR-120, a Class 3 bike lane will be included in each direction on the shoulders of the North County Corridor.

### *Local Access Roads*

The proposed project will be a freeway/expressway with controlled access. There will be entry and exit at most crossroad intersections at a minimum of 1 mile apart. Existing properties will be accessible via a discontinuous local roadway system.

- Local access roads will generally have a 12-foot-wide lane and 4-foot-wide to 8-foot-wide shoulder in each direction.

- Up to a 12-foot-wide area between the right-of-way limit and the edge of pavement would allow for drainage swales.
- Where required, left-turn lanes and right-turn lanes will be provided at intersections.

*Interchanges/Intersections*

Signals will be added to the proposed intersections along the project alignment unless a roundabout is proposed. Any maintenance storage, pullout, or ramp metering needed throughout the project will be included within the project footprint. The following interchange/intersection designs shall be utilized:

- Tully Road/SR-219 (Kiernan Avenue) intersection will consist of a modified signalized at-grade intersection.
- SR-108 (McHenry Avenue)/SR-219, (Kiernan Avenue)/new SR-108, Coffee Road/new SR-108, Oakdale Road/new SR-108, and Roselle Avenue/new SR-108 will all consist of a proposed single-point urban interchange and separate-grade undercrossing structures. These will be the only four interchanges within the proposed project.
- The Claus Road/new SR-108 signalized at-grade intersection will provide access from the new SR-108 facility east of Claus Road as well as the local road access to the City of Riverbank and future northeastern areas of the City of Modesto.

*Canal Crossings*

Various canals are within the areas of potential project construction. These canals supply irrigation water throughout Stanislaus County. Most of the major canals are owned and maintained by the Modesto Irrigation District and Oakdale Irrigation District. There are also many private canals within the project limits. The Build Alternatives will provide crossings over these canals as required by the Modesto Irrigation District and Oakdale Irrigation District. Most crossings will be at grade, and some will be elevated. **Table 3** lists all canal crossings. The Project will also provide crossings over private canals and ditches.

*Hetch-Hetchy Crossing*

The Project crosses the Hetch-Hetchy/San Francisco Public Utilities Commission water pipeline and electrical transmission line approximately 1,200 feet west of the North County Corridor/Oakdale Road intersection. The Oakdale road alignment crosses Hetch Hetchy about 500 feet north of this same intersection. All crossings of the Hetch-Hetchy/San Francisco Public Utilities Commission water pipeline and electrical transmission line are at grade over the water pipeline and under the power transmission lines. The project will cross the Hetch-Hetchy four times via one major and three minor crossings within Segment 1. The project will also cross three valve boxes within Segment 1.

**Table 1. Canal Crossings**

Roadway Facility	Canal Name	Location/Intersection	Type of Structure
Local Road	Modesto Irrigation District Lateral Number 6	Coffee Road south of Coffee Road/Claribel Road intersection	At-grade
New SR-108	Modesto Irrigation District Lateral Number 6	North County Corridor between Coffee Road and Oakdale Road	At-grade

Local Road	Modesto Irrigation District Lateral Number 6	Local access road between Coffee Road and Oakdale Road	At-grade
Local Road	Modesto Irrigation District Lateral Number 6	Roselle Avenue north of Roselle Avenue/Claribel Road intersection	At-grade
Local Road	Modesto Irrigation District Main	New Claribel Road between Roselle Avenue and Claus Road	Elevated
Local Road	Modesto Irrigation District Main	North County Corridor between Roselle Avenue and Claus Road	Elevated
New SR-108	Modesto Irrigation District Main	Claus Road south of Claus Road/Claribel Road intersection	At-grade

#### *Railroads*

In Segment 1, the project crosses the Burlington Northern Santa Fe (BNSF) Railroad between Roselle Avenue and Claus Avenue using a grade separation. The new Claribel Road and North County Corridor will be elevated over the BNSF Railroad and Terminal Avenue with separate overhead structures. The BNSF Railroad and Terminal Avenue will remain at their current alignment.

The existing Union Pacific Railroad (UPRR) between Tully Road and McHenry Avenue is an abandoned line. Tracks associated with this railroad line were removed within the roadway as part of the SR-219/Kiernan Avenue Widening Project that began construction in March 2013.

#### *Utility Relocation*

Various utilities exist within the areas of potential construction, including sewer, water, gas, overhead and underground electrical, overhead and underground telephone and communications, storm drains, irrigation canals, street lighting and signal equipment.

The following utilities exist within the project limits:

- Electric (overhead and underground) – PG&E
- Electric (Hetch-Hetchy overhead) – San Francisco Public Utilities Commission
- Gas – PG&E
- Telephone (overhead and underground) – AT&T
- Communications (overhead and underground) – various
- Water (Hetch-Hetchy) - San Francisco Public Utilities Commission
- Water – City of Modesto
- Water – City of Riverbank
- Sanitary Sewer – City of Modesto
- Sanitary Sewer – City of Riverbank
- Irrigation – Modesto Irrigation District
- Irrigation – Oakdale Irrigation District

Responsibility for relocation of existing utilities that are within the state and city rights-of-way would be subject to applicable state and federal regulations and statutes. The Build Alternatives would require relocation of existing utilities, but relocation of the Hetch-Hetchy electric transmission lines, Hetch-Hetchy underground pipelines, and main canals would not be required. All utility information within this report will be verified with the corresponding utility agency during the final design phase. Environmental impacts caused by relocating utilities associated with the project will be within the environmental study area and are analyzed as part of this EIR/EIS. Detailed utility information can be found in the Utility/Emergency Services Section in Chapter 3 of the EIR/EIS.

## **Purpose**

The purpose and need statement is an essential part of the environmental process. It explains why the project is being proposed. The purpose and need statement provides context and criteria for developing a range of possible alternatives and eventually the selection of a preferred alternative. The project “purpose” is a set of objectives the project intends to meet. The project “need” is the transportation deficiency that the project was initiated to address.

The purpose of the project is to:

- Reduce average daily traffic volumes and current traffic congestion and accommodate anticipated future traffic on the existing SR-108 and the surrounding regional transportation network in Stanislaus County and the cities of Modesto, Riverbank, and Oakdale.
- Support the efficient movement of goods and services throughout the region for the benefit of the regional economy by providing a more direct and dependable truck route, increasing the average operating speeds of all vehicles, and reducing the number of areas of conflict between motorized traffic and non-motorized means of travel.
- Improve the efficiency of interregional travel by reducing travel times for long distance commuters, recreational traffic, and interregional goods movement.

## **Need**

The current action is needed because:

- Travel conditions in the region, including traffic congestion on existing SR-108, will continue to worsen due to regional population growth and projected traffic volume increases.
- Traffic congestion on existing truck routes (SR-108/SR-120) will continue to hinder the efficient movement of goods and services.
- Existing SR-108 is part of the interregional system, and interregional circulation will become increasingly constrained as travel times on existing SR-108 increase substantially with planned residential and employment growth.



**DEPARTMENT OF PARKS AND RECREATION  
OFFICE OF HISTORIC PRESERVATION**

Lisa Ann L. Mangat, *Director*

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July 23, 2019

VIA EMAIL

In reply refer to: FHWA\_2015\_0526\_001

Ms. Alexandra Bevk Neeb, Section 106 Coordinator  
Cultural Studies Office  
Caltrans Division of Environmental Analysis  
1120 N Street, PO Box 942873, MS-27  
Sacramento, CA 94273-0001

Subject: Finding of No Adverse Effect for Proposed North County Corridor  
Project, Stanislaus County, CA

Dear Ms. Bevk Neeb:

Caltrans is initiating consultation about the subject undertaking in accordance with the January 1, 2014 *First Amended Programmatic Agreement Among the Federal Highway Administration (FHWA), the Advisory Council on Historic Preservation, the California State Historic Preservation Officer, and the California Department of Transportation Regarding Compliance with Section 106 of the National Historic Preservation Act, as it Pertains to the Administration of the Federal-Aid Highway Program in California (PA)*. As part of your documentation, Caltrans submitted a Finding of No Adverse Effect Report for the proposed project (FONAE).

Caltrans proposes to build a new and realigned State Route 108 from the intersection of SR 219 and Tully Road to SR 120 and the existing SR 10 facility east of the City of Oakdale. The project is located with portions of the communities of Oakdale, Riverbank, and Modesto in Stanislaus County, California. A full project description is located on pages 9-10 of the FONAE.

Caltrans, as part of its identification efforts, identified the following five historic properties within the area of potential effects for the project and the potential effects the project might have:

- **Riverbank Army Ammunitions Plant District** – determined eligible for the National Register of Historic Places (NRHP) in 2015 under Criterion A for its association with wartime munition production efforts made nationally during WWII, the Korean War, and the Vietnam War, as well as for its association

with subsequent industrialization phenomenon that occurred in the US following WW II. The district was also determined eligible under Criterion C for its Functionalist/Industrialist design. Its period of significance is 1942-1975. The project will demolish a portion of a non-contributing parking lot to accommodate a widened Claus Road. The property will continue to convey its significance as a war munitions plant during World War II through Vietnam.

- **Adobe Shop Building at 3212 Claribel Road, Modesto** – determined eligible in 2015 under Criterion C as a rare surviving example of a modern adobe agricultural building. The period of significance is 1936. The project will construct a new roadway within the building's historic agricultural setting and introduce heightened audible and visual elements. The building will retain integrity of design materials, workmanship and location to be able to convey its significance as one of the only extant adobe buildings in Stanislaus County.
- **Sierra Railroad Mainline** – determined eligible in 2011 under Criterion A for its social and economic impact to Tuolumne County, specifically the quartz and lumber industries, and as a contributor to the Sierra Railroad Historic District (SRHD) in Jamestown. Its period of significance is 1897-1932. The project will construct an overcrossing within the historic setting of the Mainline and the SRHD as a whole. The property would maintain integrity of materials, workmanship, design, feeling, location and association. No physical alteration or change in use is proposed for the Mainline. The project would not affect the railroad's purpose or use as a railroad.
- **Hetch Hetchy** – Caltrans is assuming eligibility for inclusion in the NRHP for the purposes of the current undertaking only, under Criterion A and C at the state level of significance for its association as being instrumental in the growth of San Francisco and for innovative engineering techniques. Its assumed period of significance is 1919-1970. The project will relocate nine valve boxes. The Aqueduct is a primary contributor to the Hetch Hetchy and this change would diminish the integrity of design to a small degree by removing the valve boxes from their historic location. The relocation will not affect the Aqueduct's flow of water. Caltrans will also construct a new roadway beneath the Moccasin-Newark Transmission Line, over the Aqueduct, and near the Warnerville substation. The new roadway will alter the setting at five locations where it crosses the Hetch Hetchy right of way. The introduction of the new roadway will not diminish the integrity of feeling due to the massive nature of the Transmission Line and the new roadway will be located 100 feet below.
- **Modesto Irrigation District (MID)** – Caltrans is assuming eligibility for the NRHP for the purposes of the current undertaking only, under Criteria A at the local level of significance for its contribution to agricultural development in Stanislaus County. The assumed period of significance is 1903-1955. The project will construct a combination of new crossings and modifications of already existing crossings over MID Lateral No. 6 and the MID Main Canal. A more in depth project description of what is occurring with the MID is located



on pages 40-41 of the FONAE. The MID as a whole would retain sufficient integrity to convey its historic significance. Integrity of design, workmanship, materials, location and association will not be diminished. No physical alteration or change in use is proposed for the Main Canal or for Lateral No. 6, two contributors to the MID in the APE. Replacing existing, utilitarian, non-contributing bridges will not diminish the integrity of the MID to a degree where it will fail to convey its historic significance. New crossing over Lateral No. 6 will diminish the integrity of setting and feeling by introducing audible and visual elements; however, other segments of the waterways outside the APE retain their integrity of setting and better convey the rural agricultural feeling of the waterway during the period of significance. The new crossings do not diminish the setting enough to be considered an adverse effect to the MID.

Caltrans has applied the Criteria of Adverse Effect and found that pursuant to Stipulation X.B.2 of the PA a Finding of No Adverse Effect is appropriate for the five built environment resources described above. A determination of effect for the undertaking as a whole will be determined once identification for archaeological resources can be completed. Caltrans will continue consultation with your office regarding phasing efforts for the project in the form of a Programmatic Agreement and Archaeological Management Plan per PA Stipulation XII.A to be submitted at a later date.

Based on review of the submitted documentation, I have no objection to Caltrans' finding of no adverse effect.

If you have any questions, please contact Natalie Lindquist at (916) 445-7014 with e-mail at [natalie.lindquist@parks.ca.gov](mailto:natalie.lindquist@parks.ca.gov) or Alicia Perez at (916) 445-7020 with e-mail at [alicia.perez@parks.ca.gov](mailto:alicia.perez@parks.ca.gov).

Sincerely,



Julianne Polanco  
State Historic Preservation Officer

**DEPARTMENT OF TRANSPORTATION****DISTRICT 6**

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May 20, 2015

Dr. Carol Roland-Nawi  
California State Historic Preservation Officer  
Office of Historic Preservation  
California Department of Parks and Recreation  
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EA 10-0S800  
Project ID 10-1200-0273  
10-STA-108 PM 27.5/44.5  
10-STA-219 PM 3.7/4.8  
10-STA-120 PM 6.9/11.6

Subject: Determination of Eligibility for the North County Corridor New State Route 108 Project in Stanislaus County; EA 10-0S800; Project ID 10-1200-0273.

Dear Dr. Roland-Nawi,

The California Department of Transportation (Caltrans) is initiating consultation with the State Historic Preservation Officer (SHPO) regarding the proposed North County Corridor New State Route 108 Project. This consultation is being undertaken in accordance with the January 1, 2014 *First Amended Programmatic Agreement among the Federal Highway Administration, the Advisory Council on Historic Preservation, the California State Historic Preservation Officer, and the California Department of Transportation Regarding Compliance with Section 106 of the National Historic Preservation Act, as it Pertains to the Administration of the Federal-Aid Highway Program in California*, (Section 106 PA).

Enclosed you will find a Historic Property Survey Report (HPSR) for the proposed undertaking. The HPSR in part or in whole fulfills three responsibilities under Section 106 of the National Historic Preservation Act: (1) determination and documentation of the Area of Potential Effects (APE); (2) documentation of the identification efforts for cultural resources located within the APE completed to date; and (3) evaluation of historic-period resources to determine their eligibility to the National Register of Historic Places (NRHP). Under the Section 106 PA, Caltrans is responsible for ensuring the appropriateness of the APE [Stipulation VIII.A] and the adequacy of historic property identification efforts [Stipulation VIII.B]. We are consulting with you at the present time under Stipulation VIII.C.6 of the Section 106 PA; we are seeking your concurrence with Caltrans' determinations of eligibility to date.

Caltrans, Stanislaus County, and the cities of Modesto, Riverbank, and Oakdale, propose to construct a new east–west segment of State Route (SR) 108, between SR 219 and SR 120 in Stanislaus County. The project development team is considering four Build Alternatives (1A, 1B, 2A, & 2B) and a No Build Alternative as a part of the environmental review process. A full project description and APE mapping can be found on pages one and two and Figure 3 of the attached HPSR respectively.

Dr. Carol Roland-Nawi  
 May 20, 2015

Identification efforts to date for the North County Corridor New State Route 108 Project include a pedestrian survey of approximately 3,350 acres of the 4,042 acre Archaeological APE. Approximately 700 acres of the area included of all alternatives was inaccessible at the time the survey was conducted. The archaeological survey only examined the surface Archaeological APE; the vertical APE remains to be addressed. Identification efforts for archaeological resources will be completed at a later date.

Built Environment resource surveys for this project have resulted in the evaluation of 94 historic-era built environment resources within the APE. Of the 94 evaluations, 92 properties were determined not to be eligible for inclusion of the NRHP and two properties were determined eligible for inclusion in the NRHP. Additionally, one property, the Hetch Hetchy Aqueduct (MR # 6), in accordance with the Section 106 PA Stipulation VIII.C.4., is being considered eligible to the NRHP for the purposes of this project only.

Pursuant to Stipulation VIII.C.6 of the Section 106 PA, Caltrans, as assigned by FHWA, is requesting your concurrence with the following eligibility determinations:

**Two Properties Determined Eligible for the NRHP:**

APN	Address/ Property Name or No.	Community	OHP Status Code	Map Reference
062-031-005	5300 Claus Road, Riverbank, 95367/ <i>Riverbank Army Ammunition Plant District</i>	Riverbank	3S, 3CS	59
084-001-025	Adobe shop building at 3212 Claribel Road, Modesto, 95357	Modesto	3S, 3CS	63

**92 Properties Determined Not-Eligible for the NRHP:**

APN	Address/ Property Name or No.	Community	OHP Status Code	Map Reference
N/A	<i>Turlock Irrigation District Transmission Line</i>	Oakdale	6Z	4
N/A	<i>Modesto Irrigation District Transmission Line</i>	Oakdale/Modesto	6Z	5
N/A	<i>PG&amp;E Eastern Transmission Line Towers</i>	Oakdale	6Z	7
N/A	<i>PG&amp;E Northwest-Southeast Electrical Transmission Line Towers</i>	Oakdale	6Z	8

Dr. Carol Roland-Nawi  
 May 20, 2015

<b>APN</b>	<b>Address/ Property Name or No.</b>	<b>Community</b>	<b>OHP Status Code</b>	<b>Map Reference</b>
N/A	<i>10-STA-219, EA 0A8700 MR 33/Union Pacific Railroad Track</i>	Oakdale	6Z	9
N/A	<i>Atchison, Topeka &amp; Santa Fe Railway</i>	Oakdale	6Z	10
N/A	<i>Southern Pacific Railroad - Oakdale Branch</i>	Oakdale	6Z	11
010-011-038	13242 Highway 108, Oakdale, 95361	Oakdale	6Z	16
010-016-005	6954 Stoddard Road, Oakdale, 95361	Oakdale	6Z	17
010-016-016	10000 Warnerville Road, Oakdale, 95361	Oakdale	6Z	18
010-022-005	10528 Highway 120, Oakdale, 95361	Oakdale	6Z	20
010-031-004	13949 Lancaster Road, Oakdale, 95361	Oakdale	6Z	21
010-031-005	13951 Lancaster Road, Oakdale, 95361	Oakdale	6Z	22
010-039-043	7636 Wren Road, Oakdale, 95361	Oakdale	6Z	23
010-040-006	11007 Warnerville Road, Oakdale, 95361	Oakdale	6Z	24
082-006-074	254 Claribel Road, Modesto, 95356	Modesto	6Z	25
010-046-032	10330 Rio Sombra Court, Oakdale, 95361	Oakdale	6Z	26
014-001-007	4512 Mc Gee Avenue, Modesto, 95355	Modesto	6Z	27
014-001-014	4554 Claribel Road, Modesto, 95357	Modesto	6Z	28
014-001-015	4836 Claus Road, Modesto, 95357	Modesto	6Z	29
014-001-027	4516 Claus Road, Modesto, 95357	Modesto	6Z	30
014-001-028	4836 McGee Avenue, Modesto, 95357	Modesto	6Z	31
014-001-040	4833 Mc Gee Avenue, Modesto, 95357	Modesto	6Z	32
014-002-004	7912 Claribel Road, Oakdale, 95361	Oakdale	6Z	33
014-004-004	4500 Langworth Road, Modesto, 95357	Modesto	6Z	34
014-049-001	5212 Claribel Road, Modesto, 95357	Modesto	6Z	35
014-049-006	5724 Claribel Road, Oakdale, 95361	Oakdale	6Z	36
046-001-002	824 Kiernan Avenue, Modesto, 95356/ <i>10-STA-219,</i>	Modesto	6Z	37

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 to enhance California's economy and livability"*

Dr. Carol Roland-Nawi  
 May 20, 2015

APN	Address/ Property Name or No.	Community	OHP Status Code	Map Reference
	<i>EA 0A8700 MR 32</i>			
046-006-023	1349 Bangs Avenue, Modesto, 95356	Modesto	6Z	40
046-010-001	700 Kiernan Avenue, Modesto, 95356	Modesto	6Z	41
046-010-016	4843 McHenry Avenue, Modesto, 95356	Modesto	6Z	42
046-010-020	4761 McHenry Avenue, Modesto, 95356	Modesto	6Z	43
062-014-002	7031 Crane Road, Oakdale, 95361	Oakdale	6Z	44
062-014-004	6601 Crane Road, Oakdale, 95361	Oakdale	6Z	45
062-026-006	5732 Patterson Road, Oakdale, 95361	Oakdale	6Z	46
062-027-004	5254 Langworth Road, Oakdale, 95361	Oakdale	6Z	47
083-002-025	4825 Roselle Avenue, Modesto, 95357	Modesto	6Z	48
062-027-012	5685 Claribel Road, Oakdale, 95361	Oakdale	6Z	49
062-027-014	5543 Claribel Road, Oakdale, 95361	Oakdale	6Z	50
062-027-015	5501 Claribel Road, Oakdale, 95361	Oakdale	6Z	51
083-002-032	4616 Oakdale Road, Modesto, 95355	Modesto	6Z	52
062-029-014	5225 Langworth Road, Oakdale, 95361	Oakdale	6Z	53
062-030-004	5706 Eleanor Avenue, Oakdale, 95361	Oakdale	6Z	54
062-030-006	5618 Eleanor Avenue, Oakdale, 95361	Oakdale	6Z	55
062-030-014	5607 Eleanor Avenue, Oakdale, 95361	Oakdale	6Z	56
062-030-022	5224 Eleanor Avenue, Oakdale, 95361	Oakdale	6Z	57
062-030-023	5337 Eleanor Avenue, Oakdale, 95361	Oakdale	6Z	58
063-025-008	6960 Crane Road, Oakdale, 95361	Oakdale	6Z	60
084-001-008	3945 Plainview Road, Modesto, 95357	Modesto	6Z	61
063-027-001	6942 Crane Road, Oakdale, 95360	Oakdale	6Z	62
084-002-009	4454 Roselle Avenue, Modesto, 95357	Modesto	6Z	64
063-028-007, 063-028-008	6743 Albers Road, Oakdale, 95361	Oakdale	6Z	65

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APN	Address/ Property Name or No.	Community	OHP Status Code	Map Reference
	<i>Turlock Irrigation District Substation</i>			
084-002-032	4404 Roselle Avenue, Modesto, 95357	Modesto	6Z	66
063-028-011	1901 Kaufman Road, Oakdale, 95361	Oakdale	6Z	67
063-028-037	6743 Albers Road, Oakdale, 95361	Oakdale	6Z	68
063-029-019	5012 Bentley Road, Oakdale, 95361	Oakdale	6Z	69
063-029-024	7319 Claribel Road, Oakdale, 95361	Oakdale	6Z	70
063-029-035	7425 Claribel Road, Oakdale, 95361	Oakdale	6Z	71
063-029-036	7900 Patterson Road, Oakdale, 95361	Oakdale	6Z	72
064-017-008	401 S Stearns Road, Oakdale, 95361	Oakdale	6Z	73
064-017-017	337 S Stearns Road, Oakdale, 95361	Oakdale	6Z	74
064-021-009	2004 Sierra Road, Oakdale, 95361	Oakdale	6Z	75
064-021-010	1918 Sierra Road, Oakdale, 95361	Oakdale	6Z	76
064-027-008	1001 Townhill Ave, Oakdale, 95361	Oakdale	6Z	77
064-028-008	1107 Townhill Avenue, Oakdale, 95361	Oakdale	6Z	78
064-029-001	9347 Warnerville Road, Oakdale, 95361	Oakdale	6Z	79
064-029-002	9625 Warnerville Road, Oakdale, 95361	Oakdale	6Z	80
083-002-015	4500 Oakdale Road, Modesto, 95357	Modesto	6Z	81
064-029-015	9600 Warnerville Road, Oakdale, 95361	Oakdale	6Z	82
064-032-008	9030 Alvarado Road, Oakdale, 95361	Oakdale	6Z	83
074-012-005	1301 Crawford Road, Modesto, 95357	Modesto	6Z	84
074-013-001	1300 Crawford Road, Modesto, 95357	Modesto	6Z	85
074-013-012	5348 Coffee Road, Modesto, 95357	Modesto	6Z	86
074-014-006	5413 Oakdale Road, Modesto, 95357	Modesto	6Z	87
074-015-006	707 Claribel Road, Modesto, 95356	Modesto	6Z	90
074-015-009	706 Crawford Road Modesto, 95356	Modesto	6Z	91

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APN	Address/ Property Name or No.	Community	OHP Status Code	Map Reference
075-021-021	5330 Roselle Avenue, Riverbank, 95357	Riverbank	6Z	92
075-023-005	5337 Claus Road, Modesto, 95357	Modesto	6Z	93
075-024-001	3718 Davis Road, Modesto, 95357	Modesto	6Z	94
075-024-008	3912 Davis Road, Modesto, 95357	Modesto	6Z	95
075-025-014	5137 Litt Road, Modesto, 95357	Modesto	6Z	96
075-025-018	3601 Claribel Road, Modesto, 95357	Modesto	6Z	97
083-002-016	4828 Oakdale Road, Modesto, 95357	Modesto	6Z	98
082-004-021	4636 Coffee Road, Modesto, 95357	Modesto	6Z	100
082-004-041	4724 Coffee Road, Modesto, 95357	Modesto	6Z	103
082-005-007	4309 Oakdale Road, Modesto, 95357	Modesto	6Z	104
082-006-006	4613 Coffee Road, Modesto, 95357	Modesto	6Z	106
N/A	<i>Oakdale Irrigation District</i>	Oakdale	6Z	107
N/A	<i>Adams Lateral No. 2</i>	Oakdale	6Z	107a
N/A	<i>Brichetto Lateral</i>	Oakdale	6Z	107b
N/A	<i>Claribel Lateral</i>	Oakdale	6Z	107c
N/A	<i>Kearney Lateral</i>	Oakdale	6Z	107d
N/A	<i>Mootz Lateral</i>	Oakdale	6Z	107e
N/A	<i>South Main Canal</i>	Oakdale	6Z	107f
N/A	<i>Riverbank Lateral</i>	Oakdale	6Z	107g
N/A	<i>South Lateral</i>	Oakdale	6Z	107h
N/A	<i>Union Lateral</i>	Oakdale	6Z	107i
N/A	<i>MID – Lateral No. 6</i>	Modesto	6Z	108
N/A	<i>MID – Modesto Main Canal</i>	Modesto	6Z	109
064-031-017	6142 Bendler Road Oakdale, 95361	Oakdale	6Z	110
064-031-018	6107 Bendler Road Oakdale, 95361	Oakdale	6Z	111

Dr. Carol Roland-Nawi  
May 20, 2015

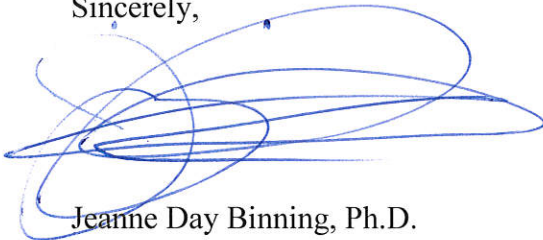
We look forward to receiving your response within 30 days of receipt of this HPSR submittal in accordance with Stipulation VIII.C.6. of the Section 106 PA. A Supplemental HPSR will be submitted after a preferred alternative is selected and further identification efforts for archaeological resources have been completed.

Thank you for your assistance with this undertaking. If you have any questions or need additional information, please don't hesitate to contact myself or Caltrans Architectural Historian Philip Vallejo:

Jeanne Binning, Ph.D,  
Environmental Branch Chief  
(559)445-5793  
[jeanne.binning@dot.ca.gov](mailto:jeanne.binning@dot.ca.gov)

Philip Vallejo,  
Architectural Historian  
(559) 445-5997  
[philip.vallejo@dot.ca.gov](mailto:philip.vallejo@dot.ca.gov)

Sincerely,



Jeanne Day Binning, Ph.D.  
Branch Chief, Central California Cultural Resources Branch  
California Department of Transportation  
Central Region Environmental Division

Enclosure: *Historic Property Survey Report for the North County Corridor New State Route 108 Project in Stanislaus County; 10-STA108 (SR-108 [PM 27.5/44.5], SR-219 [PM 3.7/4.8], SR-120 [PM 6.9/11.6]); EA 10-0S800; Project ID 1000000263*

Cc: Kelly Hobbs, Caltrans Section 106 Coordinator, CSO-DEA



**OFFICE OF HISTORIC PRESERVATION  
DEPARTMENT OF PARKS AND RECREATION**

1725 23<sup>rd</sup> Street, Suite 100  
SACRAMENTO, CA 95816-7100  
(916) 445-7000 Fax: (916) 445-7053  
calshpo@parks.ca.gov  
www.ohp.parks.ca.gov



July 16, 2015

Reply To: FHWA\_2015\_0526\_001

Jeanne Day Binning, Ph.D.  
Branch Chief, Central California Cultural Resources Branch  
Caltrans Central Region Environmental Division  
855 M Street, Suite 200  
Fresno, CA 93721-2716

Re: Determination of Eligibility for the Proposed North County Corridor New State Route 108 Project in Stanislaus County, CA

Dear Dr. Binning:

You are consulting with me about the subject undertaking in accordance with the January 2014 *First Amended Programmatic Agreement Among the Federal Highway Administration, the Advisory Council on Historic Preservation, the California State Historic Preservation Officer, and the California Department of Transportation Regarding Compliance with Section 106 of the National Historic Preservation Act, as it Pertains to the Administration of the Federal-Aid Highway Program in California (PA)*.

In your letter of May 20, 2015, regarding the above project, Caltrans determined that the following properties are eligible for the National Register of Historic Places (NRHP) for the following reasons:

- **Riverbank Army Ammunition Plant District, 5300 Claus Road, Riverbank, CA** – Caltrans determined the Riverbank Army Ammunition Plant District is eligible at the local level of significance under Criterion A for its association with the wartime munition production efforts made nationally during World War II, the Korean War, and the Vietnam war, as well as for its association with subsequent industrialization phenomenon that occurred in the US following World War II. The District is also eligible under Criterion C for its Functionalist/Industrial design. Its period of significance is 1942-1975.
- **Adobe shop building at 3212 Claribel Road, Modesto, CA** – Caltrans determined the Adobe shop building to be eligible at the local level of significance under Criterion C as a rare surviving example of a modern adobe agricultural building.

Based on my review of the submitted documentation, I concur.

Caltrans has also found the 92 properties listed in the table that starts on page 2 of your letter of May 20, 2015 are not eligible for the NRHP. I concur with the exception of the two following properties:

- MID – Lateral No. 6
- MID – Modesto Main Canal

Dr. Binning  
July 16, 2015  
Page 2 of 2

Before I can agree or disagree on eligibility for these two properties I need additional information regarding the period of significance. Specifically I am looking for an explanation for the current date range and how it relates to the properties' potential eligibility under Criterion A with regards to its historic association with the settlement and agricultural history of Modesto. Alternatively Caltrans may choose to assume eligibility of these two properties for the purposes of this project.

Thank you for considering historic properties during project planning. If you have any questions, please contact Natalie Lindquist of my staff at (916) 445-7014 or email at [natalie.lindquist@parks.ca.gov](mailto:natalie.lindquist@parks.ca.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "J. Saunders", enclosed in a thin black rectangular border.

Jenan Saunders  
Deputy State Historic Preservation Officer

# **Appendix K      EPA and FHWA Concurrence**

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*City of Ceres • City of Hughson • City of Modesto • City of Newman • City of Oakdale • City of Patterson  
City of Riverbank • City of Turlock • City of Waterford • County of Stanislaus*

## Memorandum

**To:** Keith Lay, LSA Associates, Inc.

**From:** Arthur Chen, Associate Planner, Stanislaus Council of Governments

**Date:** February 2, 2015

**Subject:** Concurrence Received from the EPA, Caltrans, and FHWA Regarding the PM10 and PM2.5 Hot-spot Conformity Assessment for the North County Corridor New SR 108 – SC-03, EIR 327

---

StanCOG circulated a memo to the Interagency Consultation (IAC) Group requesting concurrence from the Environmental Protection Agency (EPA), the California Department of Transportation (Caltrans) and the Federal Highway Administration (FHWA) that the North County Corridor New SR 108 in Stanislaus County is not a project of air quality concern (POAQC). The circulation period for this review ended on January 26, 2015.

On January 22, 2015, Caltrans provided concurrence that this project is not a POAQC. EPA and FHWA both provided concurrence on January 29<sup>th</sup>, 2015. Attached is the correspondence from these two agencies indicating their concurrence that the North County Corridor New SR 108 in Stanislaus County is not a POAQC.

If you have any questions regarding this memo or its attachments, please contact Arthur Chen at (209) 525-4643 or by e-mail at [achen@stancog.org](mailto:achen@stancog.org). Thank you.

**Arthur Chen - RE: North County Corridor New SR 108 IAC Memo for PM10 and PM2.5 Hot Spot Conformity Assessment - SC-03, EIR 327 UPDATED**

---

**From:** "Zarzuela, Homer B@DOT" <homer.zarzuela@dot.ca.gov>  
**To:** Arthur Chen <achen@Stancog.org>  
**Date:** 1/22/2015 4:25 PM  
**Subject:** RE: North County Corridor New SR 108 IAC Memo for PM10 and PM2.5 Hot Spot Conformity Assessment - SC-03, EIR 327 UPDATED  
**Attachments:** image001.jpg

---

Arthur,

Apologies for not replying back to you in an efficient manner as I thought I had replied back to you with my concurrence on this.

Due to my inefficiency as it seemed I was inundated with a few things, this e-mail sent to you is intended to close the loop on this task as I know it's well after the fact now.

Again, sorry for the inconvenience.



**Homer Zarzuela, P.E.**

**State of California Department of Transportation**

District 10 Stockton

Division of Planning & Local Assistance

Travel Forecasting & Project Initiation Branch

office phone (209) 948.7871

cell phone (209) 403.2950

e-mail [homer.zarzuela@dot.ca.gov](mailto:homer.zarzuela@dot.ca.gov)

*"Life is too short to deal with hostile or pretentious people. Don't become one of them."*

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**From:** Robledo, Pat@DOT  
**Sent:** Monday, December 15, 2014 10:09 AM  
**To:** Zarzuela, Homer B@DOT; Chin, Eric C@DOT  
**Cc:** Tu, Irene@DOT  
**Subject:** FW: North County Corridor New SR 108 IAC Memo for PM10 and PM2.5 Hot Spot Conformity Assessment - SC-03, EIR 327 UPDATED

Hi Homer and Eric. This project is assigned to Homer but if you Eric want to review you're welcome.

Irene – Please assign this to Homer for Air Quality Conformity Assessment.

Thanks,

Perfecto 'Pat' Robledo  
Chief, Office of Project  
Initiation and Travel Forecasting  
[\(209\) 948-7071](tel:2099487071)

---

**From:** Arthur Chen [<mailto:achen@stancog.org>]

**Sent:** Monday, December 15, 2014 9:13 AM

**To:** Anderson, Cari@ARB; Crow, Jason@ARB; Gray, Jennifer@ARB; Taylor, Jonathan@ARB; Vanderspek, Sylvia@ARB; Bruce Abanathie; Christina Lehn; Kara Bounds; Bagde, Abhijit J@DOT; Mahaney, Ann@DOT; Ips, David T@DOT; David Cortez; Jacobs, Dennis J@DOT; Gwyn Reese; Perrault, James R@DOT; Romero, Ken J@DOT; Green, Lilibeth I@DOT; Huy, Lima A@DOT; Evans, Marcus B@DOT; Mortenson, Marilee C@DOT; Navarro, Michael@DOT; Robledo, Pat@DOT; Marquez, Paul Albert@DOT; Ramirez, Pedro@DOT; Tavit, Rodney A@DOT; Tracey, Stephen R@DOT; Goewert, Terry@DOT; Dumas, Thomas A@DOT; Cecilia Crenshaw; [jack.lord@dot.gov](mailto:jack.lord@dot.gov); Joseph Vaughn; Scott Carson; Karina O'Connor; Frances Wicher; Kristine Cai; Kai Han; [ldawson@fresnocog.org](mailto:ldawson@fresnocog.org); Mike Bitner; Melissa Garza; Ted Matley; [jstramaglia@kerncog.org](mailto:jstramaglia@kerncog.org); RobBall; Raquel Pacheco; Troy Hightower; Vincent Liu; Mike Aronson; Dylan Stone; Jeff Findley; Matt Fell; Ty Phimmason; Alexandra Marcucci ([AMarcucci@sierraresearch.com](mailto:AMarcucci@sierraresearch.com)); Kim Kloeb; Ridder, Wil@SJCOC; Tanisha Taylor; Anthony Zepeda; Jeanette Fabela; Park, Rosa@DOT; Ben Giuliani; Elizabeth Wright; Mark Hays; Roberto Brady; Chelsea Gonzales; Errol Villegas; Jessica Fierro

**Cc:** Padilla, Daniel@BAKERSFIELD; Michael D Hollier; [terri.king@co.kings.ca.us](mailto:terri.king@co.kings.ca.us); [tboren@fresnocog.org](mailto:tboren@fresnocog.org); [ahakimi@kerncog.org](mailto:ahakimi@kerncog.org); Robert Phipps; [patricia@maderactc.org](mailto:patricia@maderactc.org); [Marjie.Kirn@mcagov.org](mailto:Marjie.Kirn@mcagov.org); Michael Sigala; [chesley@sjcog.org](mailto:chesley@sjcog.org); Diane Nguyen; [cyamzon@stancog.org](mailto:cyamzon@stancog.org); Ted Smalley

**Subject:** North County Corridor New SR 108 IAC Memo for PM10 and PM2.5 Hot Spot Conformity Assessment - SC-03, EIR 327 UPDATED

Good Afternoon Interagency Consultation Partners,

StanCOG, on behalf of the North County Corridor Transportation Expressway Authority (NCCTEA) is providing the following PM2.5 and PM10 Hot-Spot Conformity Assessment for the North County Corridor New State Route 108 Project. As part of the environmental review, it is requested that the Interagency Consultation Partners concur that this project is not a "Project of Air Quality Concern" (POAQC) and will not result in new violations of Federal PM 2.5 and PM 10 air quality standards. Please reply to all with concurrence and/or comments by 5:00 p.m. on **Friday, December 26, 2014**. An interagency conference call will be held upon request.

This project qualifies for an EIR 327 under NEPA. **EPA and FHWA concurrence is requested.**

StanCOG has also attached NCCTEA's responses to some concerns EPA had regarding the first memo that was circulated.

If you have any questions regarding this e-mail or the attached memo, please feel free to contact me directly. Thank you.

**Arthur Y. Chen**

Associate Planner  
Stanislaus Council of Governments  
1111 I St. #308  
Modesto, CA 95354  
T: [209-525-4643](tel:2095254643)  
E: [achen@stancog.org](mailto:achen@stancog.org)

**Arthur Chen - RE: North County Corridor New SR 108 IAC Memo for PM10 and PM2.5 Hot Spot Conformity Assessment - SC-03, EIR 327 UPDATE**

---

**From:** "OConnor, Karina" <OConnor.Karina@epa.gov>  
**To:** Arthur Chen <achen@Stancog.org>, "Cari@ARB Anderson" <Cari.Anderson@arb....>  
**Date:** 1/29/2015 8:20 PM  
**Subject:** RE: North County Corridor New SR 108 IAC Memo for PM10 and PM2.5 Hot Spot Conformity Assessment - SC-03, EIR 327 UPDATE  
**CC:** "Daniel@BAKERSFIELD Padilla" <dpadilla@bakersfieldcity.us>, "Michael DHo..."

---

EPA concurs that this is not a project of air quality concern.

Karina OConnor  
 EPA, Region 9  
 Air Planning Office (AIR-2)  
[\(775\) 434-8176](tel:(775)434-8176)  
[oconnor.karina@epa.gov](mailto:oconnor.karina@epa.gov)

---

**From:** Arthur Chen [[achen@Stancog.org](mailto:achen@Stancog.org)]  
**Sent:** Tuesday, January 13, 2015 10:43 AM  
**To:** Cari@ARB Anderson; Jason@ARB Crow; Jennifer@ARB Gray; Jonathan@ARB Taylor; Sylvia@ARB Vanderspek; Bruce Abanathie; Christina Lehn; Kara Bounds; AbhijitJ@DOT Bagde; Ann@DOT Mahaney; David T@DOT Ipps; David Cortez; Dennis J@DOT Jacobs; Gwyn Reese; James R@DOT Perrault; Ken J@DOT Romero; Lilibeth I@DOT Green; Lima A@DOT Huy; Marcus B@DOT Evans; Marilee C@DOT Mortenson; Michael@DOT Navarro; Pat@DOT Robledo; Paul Albert@DOT Marquez; Pedro@DOT Ramirez; Rodney A@DOT Tavitias; Stephen R@DOT Tracey; Terry@DOT Goewert; Thomas A@DOT Dumas; Cecilia Crenshaw; jack.lord@dot.gov; Joseph Vaughn; Scott Carson; OConnor, Karina; Wicher, Frances; Kristine Cai; Kai Han; Idawson@fresnocog.org; Mike Bitner; Melissa Garza; Ted Matley; jstramaglia@kerncog.org; RobBall; Raquel Pacheco; Troy Hightower; Vincent Liu; MikeAronson; Dylan Stone; JeffFindley; Matt Fell; TyPhimmasone; Alexandra Marcucci (AMarcucci@sierraresearch.com); Kim Kloeb; Wil@SJCOG Ridder; Tanisha Taylor; AnthonyZepeda; Jeanette Fabela; Rosa Park; Ben Giuliani; Elizabeth Wright; Mark Hays; Roberto Brady; Chelsea Gonzales; Errol Villegas; Jessica Fierro  
**Cc:** Daniel@BAKERSFIELD Padilla; Michael D Hollier; terri.king@co.kings.ca.us; tboren@fresnocog.org; ahakimi@kerncog.org; Robert Phipps; patricia@maderactc.org; Marjie.Kirn@mcagov.org; Michael Sigala; chesley@sjcog.org; DianeNguyen; Carlos Yamzon; Ted Smalley  
**Subject:** North County Corridor New SR 108 IAC Memo for PM10 and PM2.5 Hot Spot Conformity Assessment - SC-03, EIR 327 UPDATE

Good Afternoon Interagency Consultation Partners,

StanCOG, on behalf of the North County Corridor Transportation Expressway Authority (NCCTEA) is providing the following PM2.5 and PM10 Hot-Spot Conformity Assessment for the North County Corridor New State Route 108 Project. As part of the environmental review, it is requested that the Interagency Consultation Partners concur that this project is not a "Project of Air Quality Concern" (POAQC) and will not result in new violations of Federal PM 2.5 and PM 10 air quality standards. Please reply to all with concurrence and/or comments by 5:00 p.m. on **Tuesday, January 26, 2014**.

An interagency conference call will be held upon request.



This project qualifies for an EIR 327 under NEPA. **EPA and FHWA concurrence is requested.**

StanCOG has also attached NCCTEA's responses to some concerns EPA had regarding the first memo that was circulated.

If you have any questions regarding this e-mail or the attached memo, please feel free to contact me directly.  
Thank you.

**Arthur Y. Chen**

Associate Planner

Stanislaus Council of Governments

1111 I St. #308

Modesto, CA 95354

T: [209-525-4643](tel:209-525-4643)

E: [achen@stancog.org](mailto:achen@stancog.org)

**Arthur Chen - RE: North County Corridor New SR 108 IAC Memo for PM10 and PM2.5 Hot Spot Conformity Assessment - SC-03, EIR 327 UPDATE**

---

**From:** <Joseph.Vaughn@dot.gov>  
**To:** <achen@Stancog.org>  
**Date:** 1/29/2015 2:41 PM  
**Subject:** RE: North County Corridor New SR 108 IAC Memo for PM10 and PM2.5 Hot Spot Conformity Assessment - SC-03, EIR 327 UPDATE  
**CC:** <oconnor.karina@epa.gov>, <rodney.tavitas@dot.ca.gov>, <ken.j.romero@dot...

---

FHWA concurs that this is not a project of air quality concern.

Joseph Vaughn  
 Air Quality Specialist/MPO Coordinator  
 FHWA, CA Division  
[\(916\) 498-5346](tel:9164985346)

---

**From:** Arthur Chen [[achen@Stancog.org](mailto:achen@Stancog.org)]  
**Sent:** Tuesday, January 13, 2015 10:43 AM  
**To:** Cari@ARB Anderson; Jason@ARB Crow; Jennifer@ARB Gray; Jonathan@ARB Taylor; Sylvia@ARB Vanderspek; Bruce Abanathie; Christina Lehn; Kara Bounds; AbhijitJ@DOT Bagde; Ann@DOT Mahaney; David T@DOT Ipps; David Cortez; Dennis J@DOT Jacobs; Gwyn Reese; James R@DOT Perrault; Ken J@DOT Romero; Lilibeth I@DOT Green; Lima A@DOT Huy; Marcus B@DOT Evans; Marilee C@DOT Mortenson; Michael@DOT Navarro; Pat@DOT Robledo; Paul Albert@DOT Marquez; Pedro@DOT Ramirez; Rodney A@DOT Tavitas; Stephen R@DOT Tracey; Terry@DOT Goewert; Thomas A@DOT Dumas; Crenshaw, Cecilia (FHWA); Lord, Jack (FHWA); Vaughn, Joseph (FHWA); Carson, Scott (FHWA); KarinaO'Connor; Frances Wicher; Kristine Cai; Kai Han; ldawson@fresnocog.org; Mike Bitner; Melissa Garza; Matley, Ted (FTA); jstramaglia@kerncog.org; RobBall; Raquel Pacheco; Troy Hightower; Vincent Liu; MikeAranson; Dylan Stone; JeffFindley; Matt Fell; TyPhimmason; Alexandra Marcucci(AMarcucci@sierraresearch.com); Kim Kloeb; Wil@SJCOG Ridder; Tanisha Taylor; AnthonyZepeda; Jeanette Fabela; Rosa Park; Ben Giuliani; Elizabeth Wright; Mark Hays; Roberto Brady; Chelsea Gonzales; Errol Villegas; Jessica Fierro  
**Cc:** Daniel@BAKERSFIELD Padilla; Michael D Hollier; terri.king@co.kings.ca.us; tboren@fresnocog.org; ahakimi@kerncog.org; Robert Phipps; patricia@maderactc.org; Marjie.Kirn@mcagov.org; Michael Sigala; chesley@sjcog.org; DianeNguyen; Carlos Yamzon; Ted Smalley  
**Subject:** North County Corridor New SR 108 IAC Memo for PM10 and PM2.5 Hot Spot Conformity Assessment - SC-03, EIR 327 UPDATE

Good Afternoon Interagency Consultation Partners,

StanCOG, on behalf of the North County Corridor Transportation Expressway Authority (NCCTEA) is providing the following PM2.5 and PM10 Hot-Spot Conformity Assessment for the North County Corridor New State Route 108 Project. As part of the environmental review, it is requested that the Interagency Consultation Partners concur that this project is not a "Project of Air Quality Concern" (POAQC) and will not result in new violations of Federal PM 2.5 and PM 10 air quality standards. Please reply to all with concurrence and/or comments by 5:00 p.m. on **Tuesday, January 26, 2014**.

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This project qualifies for an EIR 327 under NEPA. **EPA and FHWA concurrence is requested.**

StanCOG has also attached NCCTEA's responses to some concerns EPA had regarding the first memo that was circulated.

If you have any questions regarding this e-mail or the attached memo, please feel free to contact me directly. Thank you.

**Arthur Y. Chen**

Associate Planner

Stanislaus Council of Governments

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Modesto, CA 95354

T: [209-525-4643](tel:209-525-4643)

E: [achen@stancog.org](mailto:achen@stancog.org)

# **Appendix L      List of Acronyms**

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*Appendix L – List of Acronyms*

A	absent
AB	Assembly Bill
ADA	Americans with Disabilities Act
ADL	Aerially Deposited Lead
ADT	Average Daily Traffic
amsl	above mean sea level
APD	Area of Potential Disturbance
APE	Area of Potential Effects
APN	Assessor's Parcel Number
AQ	Air Quality
AQR	Air Quality Report
ARB	California Air Resources Board
ASR	Archaeological Survey Report
AST	above ground storage tank
ATS	Average Travel Speed
AT&T	American Telephone & Telegraph Company
AWSC	All-Way Stop-Controlled
BMPs	Best Management Practices
BFFS	Base Free-Flow Speed
BNSF	Burlington Northern Santa Fe
BP	before present
BT&H	Business, Transportation, and Housing Agency
CA	California
CAAA	Clean Air Act Amendments
CAFÉ	Corporate Average Fuel Economy
CalEPA	California Environmental Protection Agency
CARB	California Air Resources Board
CA SA	California Special Animal
Caltrans	California Department of Transportation
CCIC	Central California Information Center
CCR	California Code of Regulations
CDFG	California Department of Fish and Game
CDF	California Department of Finance
CDFW	California Department of Fish and Wildlife
CEC	California Energy Commission
CEEA	cumulative effects evaluation area
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERFA	Community Environmental Response Facilitation Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
CGP	Construction General Permit
CH	critical habitat
CH <sub>4</sub>	methane
CIA	Community Impact Assessment
CLFS	California Linderiella Fairy Shrimp
CNDDB	California Natural Diversity Database
CNG	Compressed Natural Gas
CNPS	California Native Plant Society

*Appendix L – List of Acronyms*

CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
CO-CAT	Coastal Ocean Climate Action Team
CPA	Conservation Planning and Assistance
CSC	California Species of Special Concern
CS	chlorinated solvents
CRHR	California Register of Historical Resources
CTC	California Transportation Committee
CTP	California Transportation Plan
CTS	California Tiger Salamander
CVRWQCB	Central Valley Regional Water Quality Control Board
CWA	Clean Water Act
dB	decibels
dBA	A-weighted decibels
DED	Draft Environmental Document
DP	Director's Policy
DRIR	Draft Relocation Impact Report
DS&S	Decent, Safe, and Sanitary
DTS	Department of Toxic Substances Control
DWR	Department of Water Resources
EA	Environmental Assessment
EB	eastbound
EDD	Employment Development Department
EDR	Environmental Data Resources, Inc.
EIS	Environmental Impact Statement
EIR	Environmental Impact Report
EMFAC	Emission Factors
EO	Executive Order
EOP	edge of pavement
EPA	United States Environmental Protection Agency
ESA	Environmentally Sensitive Area
FA	Full Acquisition
FC	Federal Candidate
FCAA	Federal Clean Air Act
FE	Federally listed, Endangered
FEIR	Final Environmental Impact Report
FESA	Federal Endangered Species Act
FHWA	Federal Highway Administration
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FMMP	Farmland Mapping and Monitoring Program
FPE	Federally Proposed for Listing as Endangered
FPPA	Farmland Protection Policy Act
FPT	Federally Proposed for Listing as Threatened
FRIR	Final Relocation Impact Report
FT	Federally listed, Threatened
FTA	Federal Transit Administration
FTIP	Federal Transportation Improvement Program
FY	Fiscal Year
GDP	Gross Domestic Product
GHG	Greenhouse Gas
GIS	Geographic Information System

Appendix L – List of Acronyms

GWC	groundwater contamination
h	hertz
HCD	California Department of Housing and Community Development
HCM	Highway Capacity Manual
H <sub>2</sub> S	Hydrogen Sulfide
HFC-23	Fluoroform
HFC-134a	s, s, s, 2-Tetrafluoroethane
HFC-152a	Difluoroethane
HM	heavy metals
HOV	High Occupancy Vehicle
HP	Herbicides/Pesticides
HaP	Habitat is, or may be present
HPSR	Historical Property Survey Report
HRER	Historical Resources Evaluation Report
ID #	Identification Number
IGR	Intergovernmental Review
IPCC	Intergovernmental Panel on Climate Change
IRIS	Integrated Risk Information System
ITS	Intelligent Transportation Systems
KV	key view
JPA	Joint Powers Authority
LDV	Light Duty Vehicle
LED	Light-emitting diode
LEDPA	Least Environmentally Damaging Practicable Alternative
L <sub>eq</sub>	equivalent noise level
LNG	Liquefied Natural Gas
LOS	level of service
LSA	LSA Associates, Inc.
LUST	leaky underground storage tank
MAX	Modesto Area Express
MBTA	Migratory Bird Treaty Act
MC	miscellaneous chemical waste
MFR	Multi-Family Residential
MMP	Mitigation Monitoring Plan
MMT	million metric ton
MOVES	Motor Vehicle Emissions Simulator
mph	miles per hour
MPO	Metropolitan Planning Organization
<u>μg</u>	micrograms
MSAT	Mobile Source Air Toxics
MS4	Municipal Separate Storm Sewer System
NAAQS	National Ambient Air Quality Standards
NAC	Noise Abatement Criteria
NADR	Noise Abatement Decision Report
NB	Northbound
NCC	North County Corridor
NCCTEA	North County Corridor Transportation Expressway Authority
NEPA	National Environmental Policy Act
NES	Natural Environment Study
NGO	non-governmental organization
NHM	Natural History Museum of Los Angeles County

*Appendix L – List of Acronyms*

NHPA	National Historic Preservation Act
NHTSA	National Highway Traffic Safety Administration
NMFS SC	National Marine Fisheries Service Species of Concern
NNL	National Natural Landmarks
NO <sub>x</sub>	nitrogen oxides
NO <sub>2</sub>	nitrogen dioxide
N <sub>2</sub> O	nitrous oxide
NOA	Naturally Occurring Asbestos
NOAA	National Oceanic and Atmospheric Administration
NOD	Notice of Determination
NOI	Notice of Intent
NOP	Notice of Preparation
NPDES	National Pollution Discharge Elimination System
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
O <sub>3</sub>	ozone
OPR	Office of Planning and Research
OSTP	Office of Science and Technology Policy
PA	Partial Acquisition
PA&ED	Project Approximation and Environmental Document
Pb	lead
PCB	polychlorinated biphenyl
PCWQCA	Porter-Cologne Water Quality Control Act
PDT	Project Development Team
PER	Paleontological Evaluation Report
PH	petroleum hydrocarbons
PM	particulate matter
PM <sub>2.5</sub>	particulate matter less than 2.5 microns in diameter
PMP	Paleontological Mitigation Plan
PM <sub>10</sub>	particulate matter less than 10 microns in diameter
POAQC	Project of Air Quality Concern
ppm	parts per million
PPMP	Preliminary Paleontological Mitigation Report
PRC	Public Resources Code
PG&E	Pacific Gas and Electric Company
PS&E	Plans, Specifications, and Estimates
PSI	Preliminary Site Investigation
PSR	Project Study Report
PTE	Permit to Enter
PTSF	Percent Time Spent Following
R	Relocation
RBAAP	Riverbank Army Ammunition Plant District
RCRA	Resource Conservation and Recovery Act
REACT	Re-entry Alternatives to Custody and Transition
REC	Recognized Environmental Condition
RFQ	Request for Qualifications
RHP	Replacement Housing Payment
ROD	Record of Determination
ROG	Reactive Organic Gas
ROW	Right of Way, right-of-way
RTP	Regional Transportation Plan



Appendix L – List of Acronyms

RV	Recreational Vehicle
RWQCB	Regional Water Quality Control Board
SAFETEA-LU	Safe, Accountable, Flexible, and Efficient Transportation Equity Act: A Legacy for Users
SB	Southbound
SC	State Candidate
SCS	Sustainable Communities Strategy
SDC	Seismic Design Criteria
SE	State listed, Endangered
sf	square feet
SF <sub>6</sub>	sulfur hexafluoride
SFP	State Fully Protected
SFPUC	San Francisco Public Utilities Commission
SFR	Single-Family Residential
SHPO	State Historic Preservation Officer
SIP	State Implementation Plan
SJKF	San Joaquin kit fox
SJV	San Joaquin Valley
SJVAB	San Joaquin Valley Air Basin
SJVAPCD	San Joaquin Valley Air Pollution Control District
SMAQMD	Sacramento Metropolitan Air Quality Management District
SO <sub>x</sub>	Sulfur Oxides
SO <sub>2</sub>	sulfur dioxide
SP	species present
SPE	State Proposed for Listing as Endangered
SPT	State Proposed for Listing as Threatened
SPUI	single-point urban interchanges
SR	State Route
SSP	Standard Special Provision
ST	State listed, Threatened
STIP	State Transportation Improvement Program
SW	soundwall
SWL	State Watch List
SWMP	Storm Water Management Plan
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	Technical Advisory Committee
TASAS	Traffic, Accident, Surveillance, and Analysis System
TDF	Travel Demand Forecasting
TDM	Transportation Demand Management
TID	Turlock Irrigation District
TIP	Transportation Improvement Program
TMDL	Total Maximum Daily Load
TNM	Traffic Noise Model
TSM	Transportation System Management
UCD ITS	University of California, Davis Institute of Transportation Studies
US	United States
USC	United States Code
USACE	United States Army Corps of Engineers
USDA	United States Department of Agriculture
USDOT	United States Department of Transportation

*Appendix L – List of Acronyms*

USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	underground storage tank
VA	Veterans Affairs
VAU	Visual Assessment Units
VELB	Valley Elderberry Longhorn Beetle
VHD	Vehicle Hours of Delay
VIA	Visual Impact Assessment
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compound
VPFS	Vernal Pool Fairy Shrimp
VPTS	Vernal Pool Tadpole Shrimp
VRP	Visibility-Reducing Particles
WB	westbound
WPCP	Water Pollution Control Plan

# **Appendix M      List of Technical Studies**

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Appendix M – List of Technical Studies

Technical Study	Approval Date
Air Quality Impact Assessment	January 2017
Air Quality Impact Assessment Addendum	October 2019
Community Impact Assessment	February 2016
Community Impact Assessment Addendum	October 2019
Hazardous Waste Initial Site Assessment	October 2015
Hazardous Waste Initial Site Assessment Addendum	December 2019
Historical Property Survey Report	May 2015 & SHPO Concurrence July 2016
Archaeological Survey Report (confidential and not available for public release)	April 2015 & SHPO Concurrence July 2016
Historic Resources Evaluation Report	May 2015 & SHPO Concurrence July 2016
Finding of No Adverse Effect	March 2019
Jurisdictional Delineation	March 2015
Location Hydraulic Study	December 2015
Natural Environment Study	May 2017
Natural Environment Study Addendum	October 2019
Biological Assessment	October 2019
Noise Abatement Decision Report	February 2017
Noise Study Report	February 2017
Noise Study Report Addendum	October 2019
Paleontological Evaluation Report	June 2016
Paleontological Mitigation Plan	December 2014
Traffic Operations Report	May 2015

*Appendix M – List of Technical Studies*

Traffic Operations Report Addendum	September 2019
Visual Impact Assessment	October 2014
Water Quality Assessment Report	May 2015
Draft Relocaton Impact Report	January 2016
Final Relocaton Impact Statement	October 2019