

**ADDENDUM NO. 3**

Blake Street and Other Roads Phase 2

July 22, 2025

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**ADDENDUM NO. 3  
BLAKE STREET AND OTHER ROADS PHASE 2  
WORK ORDER: H15177  
AREA: SAN BERNARDINO  
ROAD NO.: VARIOUS LOCATIONS**

~~**BIDS OPEN 10:00 AM, THURSDAY JULY 17, 2025**~~

~~**BIDS OPEN 10:00 AM, THURSDAY JULY 24, 2025**~~

**BIDS OPEN 10:00 AM, THURSDAY JULY 31, 2025**

**By Email via ePro System**

The bid opening will be publicly viewable via goto.com, details are available in the Notice to Bidders pages of the Project Special Provisions.

Amend the Project Special Provision as follows:

**1. NOTICE TO BIDDERS**

- a. On page NB-1, Replace the bid opening date “**10:00 A.M., THURSDAY, JULY 24, 2025**” With:  
**10:00 A.M., THURSDAY, JULY 31, 2025**

**2. DIVISION II – GENERAL CONSTRUCTION**

- a. **Delete** Section 10-1.39 Chip Seal, and **Replace** with:

**10-1.39 Chip Seal**

Section 37-2.03 of 2023 Standard Specifications include specifications for applying polymer modified asphaltic emulsion chip seals. A polymer modified asphaltic emulsion chip seal includes applying a polymer modified asphaltic emulsion, followed by aggregate, and then a flush coat. A double polymer modified asphaltic emulsion chip seal is the application of a polymer modified asphaltic emulsion followed by aggregate, applied twice in sequence and then a flush coat.

**Submittals**

Immediately after sampling, submit two 1-quart cans of polymer modified asphaltic emulsion taken in the presence of the Engineer. A sample must be submitted in an insulated shipping container.

**Quality Assurance**

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**Quality Control**Polymer Modified Asphaltic Emulsions

Circulate polymer modified asphaltic emulsions in the distributor truck before sampling. Take samples from the distributor truck at mid load or from a sampling tap or thief. Before taking samples, draw and dispose of 1 gallon. In the presence of the Engineer, take two 1-quart samples for acceptance testing.

For polymer modified asphaltic emulsions, the authorized laboratory must perform quality control sampling and testing at the specified frequency and location for the following quality characteristics:

**Polymer Modified Asphaltic Emulsion**

Quality characteristic	Test method	Minimum sampling and testing frequency	Sampling location
Saybolt Furol Viscosity, at 50 °C (Saybolt Furol seconds)	AASHTO T 59	Minimum 1 per day per delivery truck	Distributor truck
Settlement, 5 days (max, %)			
Storage stability test, 1 day (max, %)			
Sieve test (max, %)			
Demulsibility (min, %)			
Particle charge			
Ash content (max, %)	ASTM D3723		
Residue by evaporation (min, %)	California Test 331		
Tests on residue from evaporation test:			
Penetration, 25 °C	AASHTO T 49	Minimum 1 per day per delivery truck	Distributor truck
Penetration, 4 °C, 200g for 60 seconds	AASHTO T 49		
Ductility, 25 °C (min, mm)	AASHTO T 51		
Torsional recovery (min, %)	California Test 332		
Ring and Ball Softening Point (min, °F)	AASHTO T 53		

**Acceptance**

Aggregate acceptance is based on the County's sampling and testing for compliance with the requirements shown in the following table:

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**Aggregate Gradation Acceptance Criteria**

Quality characteristic	Test method	Requirement		
Gradation (% passing by weight) Sieve size:	California Test 202	3/8"	5/16"	1/4"
3/4"		--	--	--
1/2"		100	--	--
3/8"		85–100	100	100
No. 4		0–15	0–50	60–85
No. 8		0–5	0–15	0–25
No. 16		--	0–5	0–5
No. 30		--	0–3	0–3
No. 200		0–2	0–2	0–2

**Materials****Polymer Modified Asphaltic Emulsions**

**Replace 2<sup>nd</sup> paragraph of section 39-2.03B(2) with:**

A polymer modified asphaltic emulsion must include elastomeric polymer.

A polymer modified asphaltic emulsion must be either Grade PMCRS-2 or PMCRS-2h. Polymer content in percent by weight does not apply.

A polymer modified asphaltic emulsion must comply with section 94 and the quality characteristic requirements in the following table:

**Polymeric Asphaltic Emulsion**

Quality characteristic	Test method	Requirement
Penetration, 4 °C, 200g for 60 seconds (min)	AASHTO T 49	6
Ring and Ball Softening Point (min, °F)	AASHTO T 53	135

**Aggregate**

The aggregate gradation for a polymer modified asphaltic emulsion chip seal must comply with the requirements shown in the following table:

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**Asphaltic Emulsion Chip Seal Aggregate Gradation**

Quality characteristic	Test method	Requirement		
Gradation (% passing by weight) Sieve Size	California Test 202	3/8"	5/16"	1/4"
3/4"		--	--	--
1/2"		100	--	--
3/8"		85–100	100	100
No. 4		0–15	0–50	60–85
No. 8		0–5	0–15	0–25
No. 16		--	0–5	0–5
No. 30		--	0–3	0–3
No. 200		0–2	0–2	0–2

**Construction**

Polymer modified asphaltic emulsions must be applied within the application rate ranges shown in the following table:

**Polymer Modified Asphaltic Emulsion  
Application Rates**

Aggregate gradation	Application rate range (gal/sq yd)
3/8"	0.30–0.45
5/16"	0.25–0.35
1/4"	0.20–0.30

For double polymer modified asphaltic emulsion chip seals, polymer modified asphaltic emulsions must be applied within the application rates shown in the following table:

**Polymer Modified Asphaltic Emulsion  
Application Rates**

Double application	Application rate range (gal/sq yd)
1st application	0.30–0.45
2nd application	0.20–0.30

Apply polymer modified asphaltic emulsions when the ambient air temperature is from 60 to 105 degrees F and the pavement surface temperature is at least 80 degrees F.

Do not apply polymer modified asphaltic emulsions when weather forecasts predict the ambient air temperature will fall below 39 degrees F within 24 hours after application.

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Aggregate must be spread within the spread rate ranges shown in the following table:  
Aggregate Spread Rates

Chip seal type	Spread rate range (lb/sq yd)
3/8"	20–30
5/16"	16–25
1/4"	12–20

For double chip seals, aggregate must be spread within spread rate ranges shown in the following table:

#### Aggregate Spread Rates

Double application	Spread rate range (lb/sq yd)
1st application	23–30
2nd application	12–20

Remove excess aggregate on the 1st application before the 2nd application of asphaltic emulsion.

You may stockpile aggregate for the polymer modified asphaltic emulsion chip seals if you prevent contamination. Aggregate must have damp surfaces at spreading. If water visibly separates from the aggregate, do not spread. You may redampen aggregate in the delivery vehicle.

Spread aggregate before the polymer modified asphaltic emulsion sets or breaks. Do not spread aggregate more than 2,500 feet ahead of the completed initial rolling.

Replace Section 39-2.03D "Payment" with: MEASUREMENT AND PAYMENT

The contract price paid per square yard for **Polymer Asphalt Emulsion Chip Seal Coat** shall include full compensation for furnishing all labor, materials, tools, flush coat, equipment, and incidentals and for doing all the work involved in furnishing and applying screenings, complete in place as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

### 3. PROPOSAL

- a. Delete Proposal Pages P-4 and P-5, Replace with attached Addendum No. 3, Sheet P-4 and P-5. (Attachment #1)

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#### Questions and Answers:

*Q: There are 2 gradations, which one does the County want to use on this project? 5/16" or 3/8"?*

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#### Percentage Passing

SIEVE SIZES	MEDIUM 3/8" x No. 6	MEDIUM FINE 5/16" x No. 8
3/4"....	-	-
1/2".....	100	-
3/8".....	85-100	100
No. 4....	0-15	0-50
No. 8....	0-5	0-15
No. 16.	-	0-5
No. 30....	-	0-3
No. 200...	0-2	0-2

A: The aggregate gradation for the chip seal is 3/8".

*Q: The spread rate on the aggregate should be 20 to 22 pounds per SY for 5/16" and 24 to 26 pounds per SY for 3/8" Chip Seal. They are shown as considerably less than that in the addendum.*

#### Screening Spread Rates

Application rate shall be between 0.20 to 0.30 lb/sq yd

The Engineer determines the exact application rate. Spread screenings within 10 percent of the rate determined by the Engineer.

A: Per Caltrans specifications, the aggregate spread rate for 3/8" aggregate is 20–30 lb/sq yd.

*Q: I just noticed that Addendum #1 has specified a Conventional Chip Seal over a Leveling Course for streets in Group B on Sheet 4 of 19 of the plans. When placing a Conventional Chip Seal over fresh asphalt, typically a Fog Seal is required. Can you please clarify if a Fog Seal over the new asphalt will be required before the Chip Seal is placed?*

A: Chip seal includes applying a polymer-modified asphaltic emulsion, followed by aggregate, and then a flush coat. Please refer to the specifications section "10-1.39 CHIP SEAL" in this addendum for details.

*Q: The Blake St. & Other Roads Addendum 2 bid schedule Items 8 and 38 are both described as 'Street Light Conduit Installation'. Is there a specific breakdown for the two items or are they duplicative?*

A: See revised proposal pages, Addendum No. 3, P-4 and P-5

#### Attachments:

Attachment #1: Proposal Pages Addendum No. 3, P-4 and P-5

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The addition of these requirements shall be considered in concert with existing documents in preparation of bids. **THE BIDDER'S CERTIFICATION FOR THIS ADDENDUM NO. 3 SHALL BE SIGNED BY THE SAME PERSON WHO SIGNS THE PROPOSAL AND SHALL BE SUBMITTED WITH THE PROPOSAL. ANY proposal not accompanied by a signed BIDDER'S CERTIFICATION (below) acknowledging receipt of this Addendum No. 3 will NOT be accepted.**

**Noel Castillo**, Director  
Department of Public Works

By: 

Andy Silao, P.E., Chief  
Contracts Division

AS:mt

**BIDDER'S CERTIFICATION:**

By my signature hereunder, I acknowledge receipt of Addendum No. 3 and I fully understand the intent and detail of Addendum No. 3, which I have considered in my preparation of the attached proposal.

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**Bidder's Signature**

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**Date**

**Note:** The page containing the executed BIDDER'S CERTIFICATION (just this page), must be included with the proposal.