

Departmental Concurrence

**SUBMITTAL TO THE BOARD OF SUPERVISORS
 COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

526A



FROM: TLMA – Transportation Department

SUBMITTAL DATE:
 March 17, 2016

SUBJECT: Approval of the Plans and Specifications and Authorization to Advertise for bid for the Slurry Seal Projects at Various Locations, California Environmental Quality Act (CEQA) Exempt. 4th and 5th Districts (Clerk to Advertise); [\$1,955,700]; Local Funds 100%

RECOMMENDED MOTION: That the Board of Supervisors:

1. Find that the Slurry Seal Project is categorically exempt from the CEQA pursuant to State CEQA Guidelines Section 15301(c) (existing facilities); and
2. Approve the plans and specifications for the Slurry Seal Projects; and
3. Authorize the Clerk of the Board to advertise for bids to be received by the office of the Director of Transportation and Land Management at the Transportation Annex located at 3525 14th Street, Riverside, CA 92501. All bids must be received up to the hour of 2:00 p.m., Wednesday, May 25, 2016 at which time bids will be opened; and

[Signature of Patricia Romo]

Patricia Romo
 Assistant Director of Transportation

[Signature of Juan C. Perez]

Juan C. Perez
 Director of Transportation and Land Management

JCP:jj:sb

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost:	POLICY/CONSENT (Per Exec. Office)
COST	\$ 0	\$ 1,955,700	\$ 1,955,700	\$ 0	Consent <input type="checkbox"/> Policy <input checked="" type="checkbox"/>
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0	

SOURCE OF FUNDS: Gas Tax [ABX8-9 Mar 2010 New HUTA](100%) There are no General Funds used in this project.

Budget Adjustment: No

For Fiscal Year: 16/17

C.E.O. RECOMMENDATION:

APPROVE

BY: *[Signature of Tina Grande]*
 Tina Grande

County Executive Office Signature

MINUTES OF THE BOARD OF SUPERVISORS

- A-30
- 4/5 Vote
- Positions Added
- Change Order

Prev. Agn. Ref.:

District: 4,5

Agenda Number:

3-23

SUBMITTAL TO THE BOARD OF SUPERVISORS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

FORM 11: Approval of the Plans and Specifications and Authorization to Advertise for bid for the Slurry Seal Projects at Various Locations, California Environmental Quality Act (CEQA) Exempt. 4th and 5th Districts (Clerk to Advertise); [\$1,955,700]; Local Funds 100%

DATE: March 17, 2016

PAGE: 2 of 3

RECOMMENDED MOTION: (Continued)

4. Direct the Clerk of the Board of Supervisors to file the Notice of Exemption with the County Clerk for posting within five (5) working days.

BACKGROUND:

Summary

The slurry seal treatment is provided as preventative maintenance to extend the life of the pavement and postpone more costly pavement rehabilitation. The slurry seal treatment seals small cracks, restores lost flexibility to the pavement surface and help preserve underlying pavement structure. This project includes various roads located within the 4th and 5th Supervisorial Districts. The specific roads are listed in "Attachment 1".

This project purposes Slurry Seal, Cape Seal, Microsurfacing/Scrub Seal surface treatments based on the existing pavement conditions.

The slurry seal treatment consists of an application of a mixture of asphalt emulsion, aggregates, water, and other additives over the existing asphalt pavement surface. This work includes road cleaning, crack repairs, application of slurry seal treatment, installation of new thermoplastic crosswalks, replacement of striping, pavement markings and raised pavement markers. All roads will be swept several times, at specified intervals, after the slurry has been applied.

The Cape Seal treatment adds a layer of "chips" or small crushed rock (screenings), and the slurry seal is placed over the chips and acts as a "wearing course" in areas of higher vehicles traffic.

The Scrub Seal treatment consist of an application of asphalt rejuvenating emulsion that is "scrubbed" into the pavement with brushes to force the emulsion into the small cracks and then the layer of "chips" or small crushed rock (screenings) is added. The slurry seal is then placed over the chips.

The Microsurfacing/Scrub Seal treatment uses a Microsurfacing Emulsion that does not rely on the sun or heat to cure and can be driven on in a much shorter time. The emulsion is "scrubbed" into the pavement with brushes but "chips" and slurry seal are not placed over the treatment.

To improve safety, a new centerline Rumble Strip on Reche Canyon Road, from Reche Vista Drive to the San Bernardino County line, approximately 3.5 miles, is included as an Alternate Bid Item. The Rumble Strip is evenly spaced ground-in indentations in the asphalt. The existing centerline striping and raised pavement markers will be removed and the road will be restriped and new raised pavement markers installed.

CEQA Guidelines Section 15301(c) describes the minor alteration of existing public facilities with negligible or no expansion of an existing use as a categorical exemption under CEQA; the project qualifies under this exemption since it is a maintenance activity taking place on existing County of Riverside (County) roads and there is no expansion of use.

The bid documents include the following two bid schedules of work:

Base Bid:	Slurry Seal various County Roads
Alternate Bid Schedule 1:	Construction of Rumble Strip at Reche Canyon Road

Alternate Bid Schedule 1 is to construct Rumble Strip at Reche Canyon Road.

The submitted plans and specifications have been approved as to form by County Counsel.

SUBMITTAL TO THE BOARD OF SUPERVISORS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

FORM 11: Approval of the Plans and Specifications and Authorization to Advertise for bid for the Slurry Seal Projects at Various Locations, California Environmental Quality Act (CEQA) Exempt. 4th and 5th Districts (Clerk to Advertise); [\$1,955,700]; Local Funds 100%

DATE: March 17, 2016

PAGE: 3 of 3

Project Nos.: C5-0009 and C5-0010

Impact on Citizens and Businesses

The slurry seal treatment will extend the life of suitable roads and reduce the need for resurfacing, which is ten times more costly. These improvements will also improve public safety.

SUPPLEMENTAL:

Additional Fiscal Information

The construction contract is estimated to cost approximately \$1,955,700, and construction is expected to finish in FY 2016/2017. The slurry seal contract will be funded with Gas Tax (ABX8-9 Mar 2010 New HUTA).

There are no General Funds used in this project.

Contract History and Price Reasonableness

N/A

ATTACHMENTS

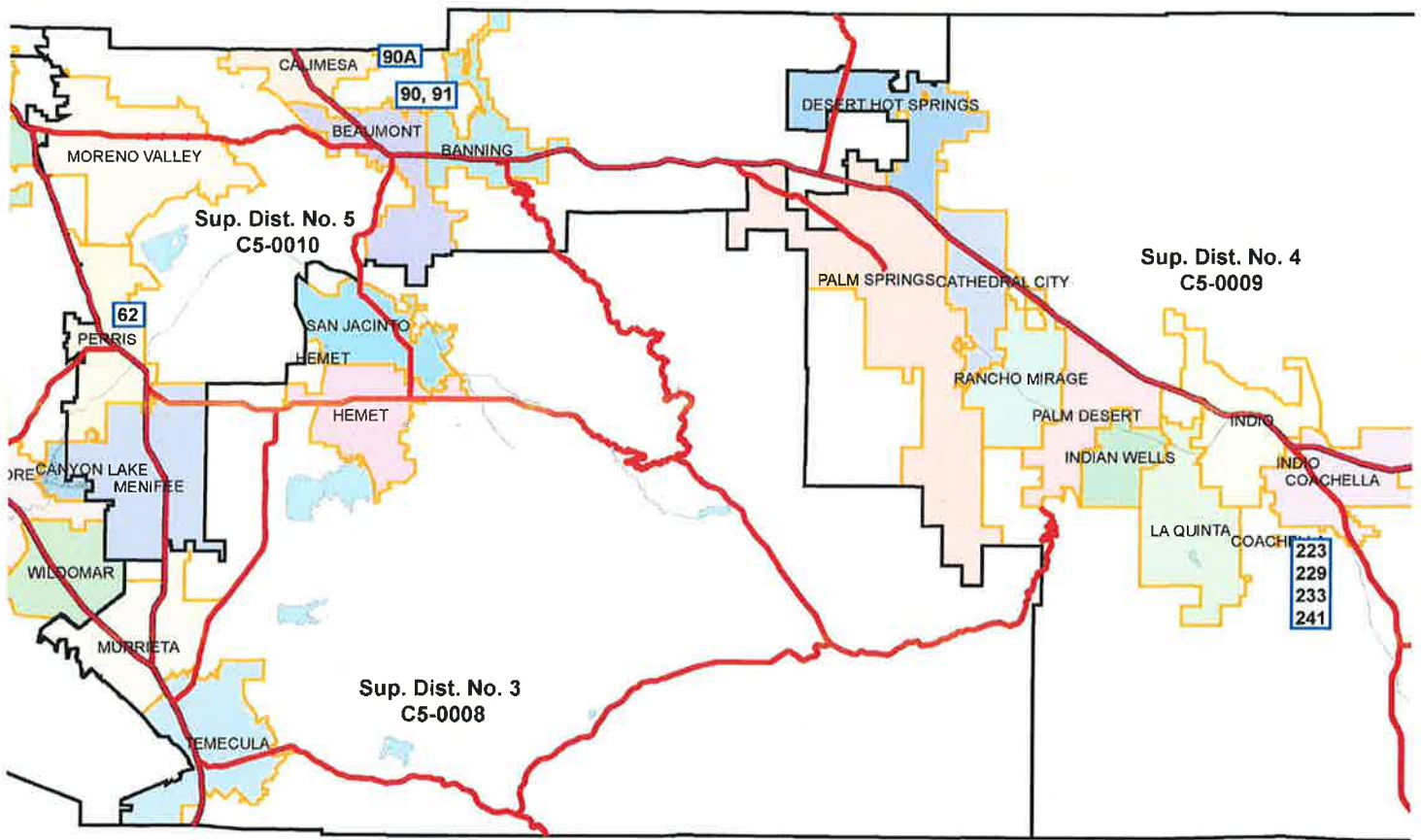
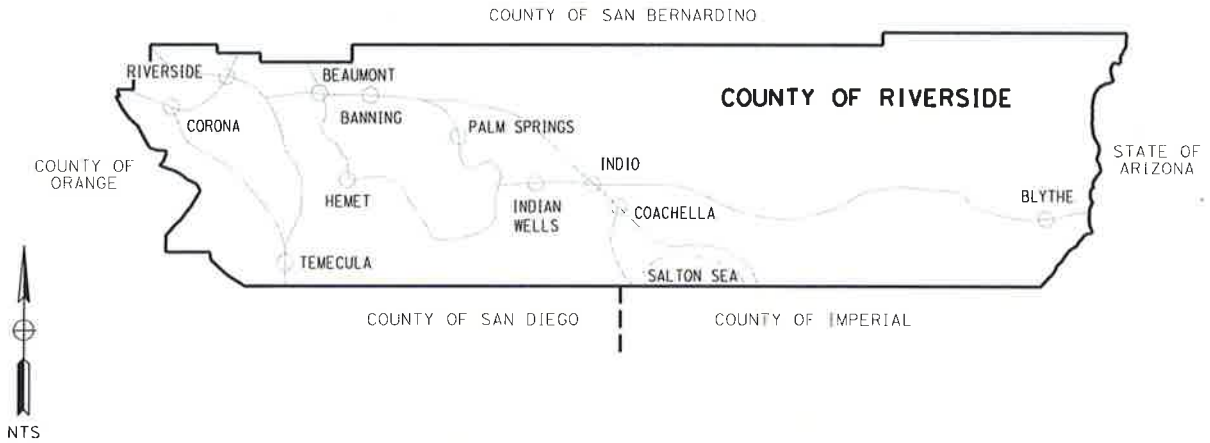
- Vicinity Map
- Attachment 1
- Notice to Bidders
- Notice of Exemption and Journal Voucher

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT

SLURRY SEAL PROJECT

SUPERVISOR DISTRICT 4 - C5-0009

SUPERVISOR DISTRICT 5 - C5-0010



VICINITY MAP

Attachment 1

RD BK PAGE	SUPV. DIST.	MAINT DIST.	ROAD NAME	LIMITS		Length (FT)	Width (FT)	Area (SQ YD)	WORK DESC.	
				From	To					
B										
90	A	5	16	BASIL LN	COUNTY LINE RD	BUTTERFLY DR	1,282	36	5,128	SS1
90		5	16	BROOKSIDE AVE	I-10 OVERPASS	1367' E I-10 OVERPASS	1,367	14	2,126	SCRUB2
90		5	16	BROOKSIDE AVE	CHERRY AVE	148' W MAUREEN DR	3,096	15	5,160	SCRUB2
91		5	16	BROOKSIDE AVE	148' W MAUREEN DR	BELLFLOWER AVE	800	30	2,667	SCRUB2
91		5	16	BROOKSIDE AVE	BELLFLOWER AVE	HIGHLAND SPRINGS AVE	1,394	40	6,196	SCRUB2
90	A	5	16	BUTTERFLY DR	MEADOW VIEW LN	1644' E MEADOW VIEW LN	1,644	40	7,307	SCRUB1
C										
90	A	5	16	COMANCHE CT	MEADOW VIEW LN	412' NE MEADOW VIEW LN	412	32	1,465	SS1
90	A	5	16	COUNTY LINE RD	BASIL LN	MARBLE DR	1,267	17	2,393	SS1
90	A	5	16	COVERED WAGON CT	FINCH DR	411' S FINCH DR	411	32	1,461	SS1
D										
62		5		DUNLAP DR	NUEVO RD	705' S NUEVO RD	705	42	3,290	SS2
62		5		DUNLAP DR	705' S NUEVO RD	2885' S NUEVO RD	2,180	22	5,329	CAPE II
F										
90	A	5	16	FINCH DR	BASIL LN	IRONWOOD DR	1,529	36	6,116	SS1
H										
223		4	19	HARRISON ST	AIRPORT BLVD	58TH AVE	5,280	40	23,467	MICROSCRUB
223		4	19	HARRISON ST	58TH AVE	60TH AVE	5,280	41	24,053	MICROSCRUB
223		4	19	HARRISON ST	60TH AVE	62ND AVE	5,280	41	24,053	MICROSCRUB
229		4	19	HARRISON ST	62ND AVE	64TH AVE	5,280	26	15,253	MICROSCRUB
229		4	19	HARRISON ST	64TH AVE	66TH AVE	5,280	26	15,253	MICROSCRUB
229		4	19	HARRISON ST	66TH AVE	MIDDLETON ST	3,500	26	10,111	MICROSCRUB
229		4	19	HARRISON ST	MIDDLETON ST	5280' SE MIDDLETON ST	5,280	26	15,253	MICROSCRUB
233		4	19	HARRISON ST	5280' SE MIDDLETON ST	70TH AVE	5,854	73	47,482	MICROSCRUB
233		4	19	HARRISON ST	70TH AVE	72ND AVE	5,803	42	27,081	MICROSCRUB
233		4	19	HARRISON ST	72ND AVE	74TH AVE	5,803	44	28,370	MICROSCRUB
241		4	19	HARRISON ST	74TH AVE	4759' SE 74TH AVE	4,759	74	39,130	MICROSCRUB
241		4	19	HARRISON ST	4759' SE 74TH AVE	1815' NW PIERCE ST (77TH AVE)	2,041	52	11,792	MICROSCRUB
241		4	19	HARRISON ST	1085' S OF PIERCE ST (77TH AVE)	KINGS RD	2,900	40	12,889	MICROSCRUB
241		4	19	HARRISON ST	KINGS RD	80TH AVE	5,000	40	22,222	MICROSCRUB
241		4	19	HARRISON ST	80TH AVE	81ST AVE	3,500	40	15,556	MICROSCRUB
90	A	5	16	HUMMINGBIRD CT	MEADOW VIEW LN	542' SW MEADOW VIEW LN	542	36	2,168	SCRUB1
I										
90	A	5	16	IRONWOOD DR	800' N FINCH DR	FINCH DR	800	27	2,400	SS1
M										
90	A	5	16	MARBLE DR	COUNTY LINE RD	FINCH DR	553	36	2,212	SS1
91		5	16	MAUREEN DR	BROOKSIDE AVE	NORMAN RD	669	33	2,453	SS1
90	A	5	16	MEADOW VIEW LN	1780' SE PINE VIEW DR	COMANCHE CT	1,435	40	6,378	SS1
90	A	5	16	MEADOW VIEW LN	PINE VIEW DR	1780' SE PINE VIEW DR	1,780	40	7,911	SCRUB1
90	A	5	16	MISTY MEADOW DR	SHADOW VALLEY LN	MEADOW VIEW LN	637	40	2,831	SCRUB1
90	A	5	16	MUSTARD SEED DR	MEADOW VIEW LN	BUTTERFLY DR	1,122	36	4,488	SS1
N										
91		5	16	NORMAN RD	MAUREEN DR	415' E MAUREEN DR	415	33	1,522	SS1
P										
90	A	5	16	PINE VIEW DR	SHADOW VALLEY LN	1401' NE SHADOW VALLEY LN	1,401	40	6,227	SCRUB1
90	A	5	16	POMO CT	MEADOW VIEW LN	474' N MEADOW VIEW LN	474	32	1,685	SS1
S										
91		5	16	SANDRA DR	NORMAN RD	604' N NORMAN RD	604	33	2,215	SS1
90	A	5	16	SHADOW VALLEY LN	PINE VIEW DR	MISTY MEADOW DR	1,096	40	4,871	SCRUB1
90	A	5	16	SHADY CT	VIEW DR	239' NW VIEW DR	239	36	956	SCRUB1
90	A	5	16	STAGHORN CT	FINCH DR	302' S FINCH DR	302	32	1,074	SS1
T										
90	A	5	16	TOUCAN CT	MEADOW VIEW LN	265' W MEADOW VIEW LN	265	32	942	SS1
V										
90	A	5	16	VIEW DR	486' NE WOODCREST DR	425' SW WOODCREST DR	911	40	4,049	SCRUB1
W										
90	A	5	16	WILDFLOWER LN	SHADOW VALLEY LN	MEADOW VIEW LN	790	40	3,511	SCRUB1
90	A	5	16	WOODCREST DR	PINE VIEW DR	VIEW DR	414	40	1,840	SCRUB1

Notice to Bidders

County of Riverside, herein called Owner, invites sealed proposals for:

Slurry Seal Project

District 4
Project No. C5-0009

District 5
Project No. C5-0010

Bid shall be delivered to the County of Riverside Transportation Department, 14th Street Annex, 3525 14th Street, Riverside, California 92501, telephone (951) 955-6780 not later than 2:00 p.m., on Wednesday, May 25, 2016 to be promptly opened in public at said address. Each bid shall be in accordance with plans, specifications and other contract documents, dated March 2016, and prepared by County of Riverside, whose address is same as the above, from whom they may be obtained upon deposit of \$30.00 per set with 11"x17" plans, plus mailing costs. No refund. Prospective bidders may preview the plans, specifications and other contract documents at no charge prior to purchase at the above noted location.

Pursuant to Labor Code section 1771.1, any Contractor bidding, or subcontractor to be listed on a bid proposal subject to Public Contract Code section 4104, shall not be qualified to bid after March 1, 2015, unless currently registered and qualified to perform public works pursuant to Labor Code section 1725.5. No Contractor or subcontractor may be awarded a contract or perform work on any contract for public work, after April 1, 2015, without proof of current registration with the Department of Industrial Relations pursuant to Labor Code section 1725.5 to perform public works.

The Contractor is required to have a Class "A" or "C-12" or "C-32" license at the time of bid submission.

Engineering Estimate:	\$ 1,724,000 - \$ 2,011,000	(Base Bid)
	\$ 36,000 - \$ 42,000	(Alternate Bid)

Bid Bond	10 %
Performance Bond	100 %
Payment Bond	100 %
Working Days	45 Working Days
Website:	http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids



COUNTY OF RIVERSIDE TRANSPORTATION AND LAND MANAGEMENT AGENCY



*Juan C. Perez, P.E., T.E.
Director of Transportation*

Transportation Department NOTICE OF EXEMPTION

March 14, 2016

PROJECT TITLE: Slurry Seal Project – Districts 4 & 5
Work Order #ZC5-0009 & ZC5-0010, Task Code #Z1530

PROJECT SPONSOR: Riverside County Transportation Department

PROJECT LOCATION: Located in Unincorporated Riverside County, Various Locations

SUPERVISORIAL DISTRICT: Districts 4 & 5

PROJECT DESCRIPTION: The Riverside County Transportation Department (COUNTY) proposes to provide slurry seal treatment to existing pavement surfaces on various roads located in Supervisorial District's 4 and 5 of Riverside County. Slurry seal treatments are provided as preventative maintenance to extend the life of the pavement and postpone more costly pavement rehabilitation. Slurry seal treatments seal cracks, restores lost flexibility to the pavement surface, provide a new black pavement surface color, and help preserve the underlying pavement structure.

The Chip seal treatment adds a layer of "chips" or small crushed rock (screenings), and the slurry seal is placed over the chips and acts as a "wearing course" in areas of higher vehicles traffic.

The Scrub Seal treatment consist of an application of asphalt rejuvenating emulsion that is "scrubbed" into the pavement with brushes to force the emulsion into the small cracks and then the layer of "chips" or small crushed rock (screenings) is added. The slurry seal is then placed over the chips.

The Microsurfacing/Scrub Seal treatment uses a Microsurfacing Emulsion that does not rely on the sun or heat to cure and can be driven on in a much shorter time. The emulsion is "scrubbed" into the pavement with brushes but "chips" and slurry seal is not placed over the treatment.

The attached map and list identifies the roads for the slurry seal improvements. The list shows the roads by County Supervisorial District as well as the length, width and limits of the road improvements. These roads are located within the Western Riverside County MSHCP. Many roads, identified for improvements, are located outside Criteria Cells or Public/Quasi Public Lands. In this event, Section 7.1 of the Western Riverside County MSHCP states that necessary operation and maintenance activities conducted for safety purposes along existing roadways outside Criteria Cells or Public/Quasi Public Lands are considered Covered Activities and are exempt from survey and mitigation requirements. The project does not involve the acquisition of additional right-of-way as all improvements will remain within the County's right-of-way.

For the slurry seal improvements within Criteria Cells or Public/Quasi Public Lands, Section 7.3.4 of the Western Riverside County MSHCP states that necessary operation and maintenance activities conducted for safety purposes along existing roadways are considered a covered activity, therefore, slurry seal improvements within Criteria Cells or Public/Quasi Public Lands are exempt from survey and mitigation requirements.

In addition, some of the attached lists of slurry seal improvements are located within the Coachella Valley Multiple Species Habitat Conservation Plan (CVMSHCP). Under Section 7.1 of the CVMSHCP, all public facility construction and operation and maintenance activities outside conservation areas are covered activities and have been granted take authorization.

The Riverside County Transportation Department Staff conducted a review of the above referenced project and has determined that the proposal qualifies for a Categorical Exemption per the California Environmental Quality Act (CEQA) Guidelines.

The Riverside County Transportation Department has found that the above-described project is exempt from the provisions of the California Environmental Quality Act (CEQA), based on the following:

California Environmental Quality Act Guidelines, Section 15301 (c) – Existing Facilities –
There will be negligible or no expansion of existing use since the slurry seal activities will take place within the existing right-of-way. Existing streets are exempt from CEQA under Section 15301 (c).

By: Andrew Huneck, Senior Transportation Planner

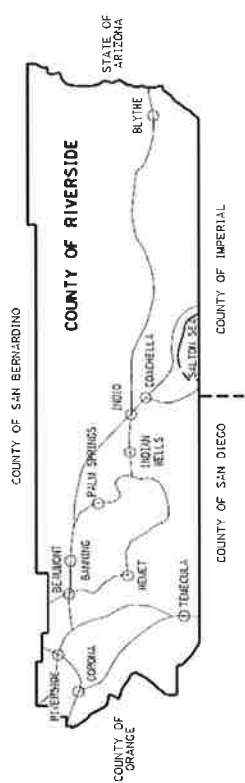
Signed: Mary Zambon
Russell Williams, Environmental Division Manager

COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT

SLURRY SEAL PROJECT SUPERVISOR DISTRICT 4 - C5-0009 SUPERVISOR DISTRICT 5 - C5-0010

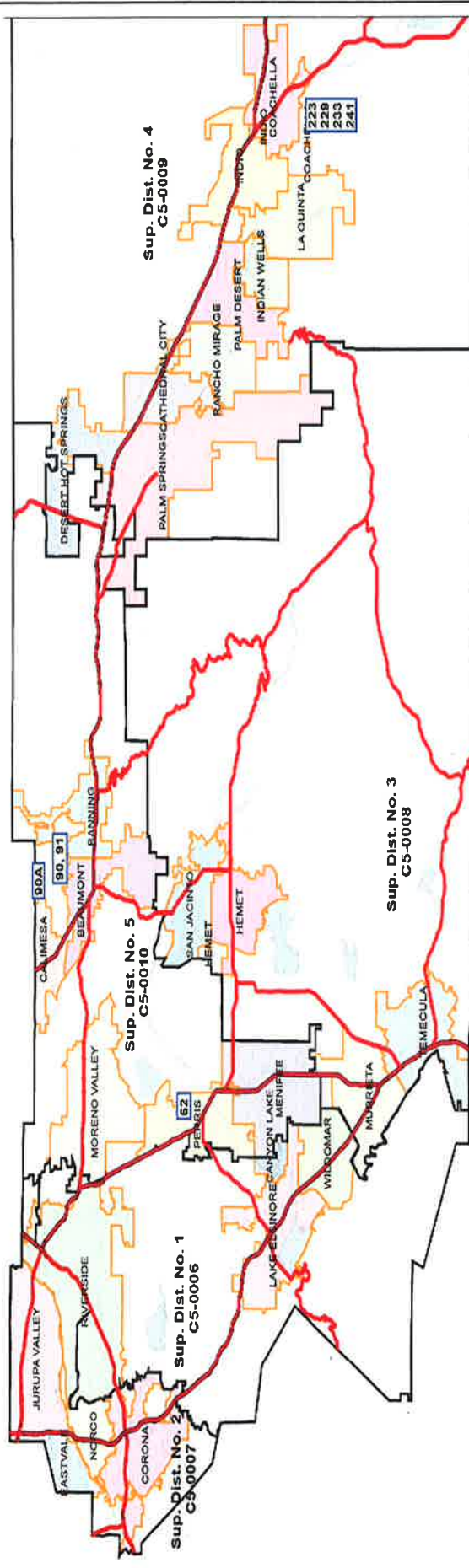
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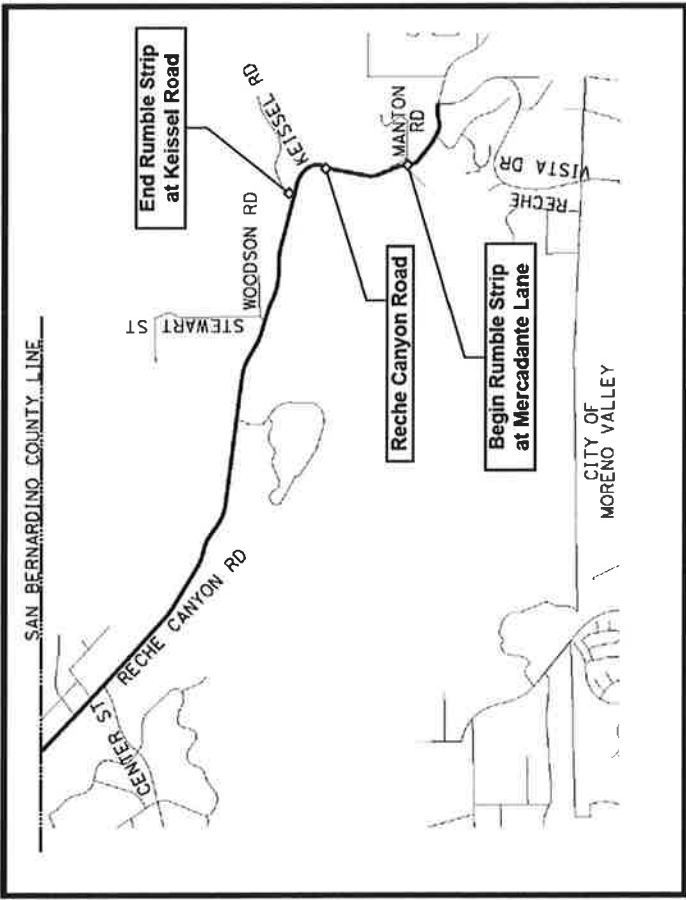


- GENERAL NOTES**
1. ALL MATERIALS AND SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE 2010 EDITION OF THE CALIFORNIA STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES, AND STRUCTURES, LATEST EDITION, AS PUBLISHED BY THE CALIFORNIA DEPARTMENT OF TRANSPORTATION.
 2. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THIS CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES AND AGENCIES OF ANY EXCAVATION, CUT, UNDERPASS, OR SERVICE (CE) WORK AT LEAST 21 DAYS PRIOR TO THE START OF WORK.
 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2010 CALIFORNIA STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES, AND STRUCTURES, LATEST EDITION, AS PUBLISHED BY THE CALIFORNIA DEPARTMENT OF TRANSPORTATION.
 4. EXISTING PRIVATELY OWNED IMPROVEMENTS OR PUBLIC RIGHT-OF-WAY SHALL BE PROTECTED BY THE CONTRACTOR. ALL IMPROVEMENTS SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER.
 5. CONTRACTOR LICENSE CLASS A OR C-12 REQUIRED.

XXXX INDICATES ROAD BOOK PAGE



<p>DIG ALERT</p> <p>FOR THE YEAR 2013, THE COUNTY OF RIVERSIDE HAS A DIG ALERT IN EFFECT. ANYONE WHO DIGS IN THE COUNTY OF RIVERSIDE MUST CALL 800-451-4273 TO REPORT ANY UNLAWFUL DIGGING. THIS SERVICE IS FREE OF CHARGE.</p>	<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>REV. NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV. NO.	DATE	DESCRIPTION										<p>COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT</p> <table border="1"> <tr> <td> <p>LAURENCE JAI COUNTY TRAFFIC ENGINEER</p> </td> <td> <p>DATE</p> </td> <td> <p>PAUL PASSELL AGENCY OPERATIONS</p> </td> <td> <p>DATE</p> </td> <td> <p>DATE</p> </td> <td> <p>PATRICIA BOND ASSISTANT DIRECTOR</p> </td> <td> <p>DATE</p> </td> </tr> <tr> <td> <p>RUSSELL WILLIAMS ENVIRONMENTAL</p> </td> <td> <p>DATE</p> </td> <td> <p>MORGAN SMITH CONSTRUCTION INSPECTION</p> </td> <td> <p>DATE</p> </td> <td> <p>MOJIB SALAM LOCAL DIRECTOR</p> </td> <td> <p>DATE</p> </td> <td> <p>EMERSON DIVISION MANAGER</p> </td> <td> <p>DATE</p> </td> </tr> </table> <p style="text-align: right;">RELATIVE TO THE PROJECT FILE</p>	<p>LAURENCE JAI COUNTY TRAFFIC ENGINEER</p>	<p>DATE</p>	<p>PAUL PASSELL AGENCY OPERATIONS</p>	<p>DATE</p>	<p>DATE</p>	<p>PATRICIA BOND ASSISTANT DIRECTOR</p>	<p>DATE</p>	<p>RUSSELL WILLIAMS ENVIRONMENTAL</p>	<p>DATE</p>	<p>MORGAN SMITH CONSTRUCTION INSPECTION</p>	<p>DATE</p>	<p>MOJIB SALAM LOCAL DIRECTOR</p>	<p>DATE</p>	<p>EMERSON DIVISION MANAGER</p>	<p>DATE</p>	<p>DESIGNED BY:</p> <p>APPROVED BY:</p> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> </div> <p>MICHAEL O. MANNING PROJECT MANAGER COUNTY OF RIVERSIDE</p> <p>DATE</p>	<p>TITLE</p> <p>SLURRY SEAL PROJECT SUPERVISOR DISTRICT 4 - C5-0009 SUPERVISOR DISTRICT 5 - C5-0010</p> <p>SHEET No.</p> <p>SHEET 1 of 13</p> <p>COUNTY FILE No. WO C5-0009</p>
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RECHE CANYON ROAD

CENTERLINE RUMBLE STRIP
 Contractor to remove existing raised pavement markers on centerline, construct ground-in indentions on existing centerline striping per Caltrans Std A40B. Paint new striping per striping plan or as directed by Engineer. Place new raised pavement markers.

RD BK	SUPV	MAINT	ROAD NAME	LIMITS	Length (FT)	Width (FT)	Area (SQ TD)	WORK
PAGE	DIST.	DIST.		From	To			DESC.
SLURRY SEAL TYPE 1 (SS1)								
90	A	5	16 BASIL LN	COUNTY LINE RD		1,282	36	5,128
90	A	5	16 COMANCHE CT	MEADOW VIEW LN		412	32	1,465
90	A	5	16 COUNTY LINE RD	MARBLE DR		1,207	32	3,933
90	A	5	16 COVERED WAGON CT	FINCH DR		411	32	1,461
90	A	5	16 FINCH DR	411' S FINCH DR		1,529	36	6,118
90	A	5	16 IRONWOOD DR	IRONWOOD DR		800	27	2,400
90	A	5	16 MARBLE DR	FINCH DR		553	36	2,212
90	A	5	16 MEADOW VIEW LN	COMANCHE CT		1,435	40	6,178
90	A	5	16 MUSTARD SEED DR	BUTTERFLY DR		1,172	36	4,488
90	A	5	16 POMPO CT	477' N MEADOW VIEW LN		477	32	1,685
90	A	5	16 STAGHORN CT	FINCH DR		302	32	1,074
90	A	5	16 TOULCAN DR	MEADOW VIEW LN		365	32	942
91	5	16 MAUREEN DR	BROOKSIDE AVE	267' W MEADOW VIEW LN		669	33	2,453
91	5	16 NORMAN DR	MAUREEN DR	NORMAN DR		415	33	1,522
91	5	16 SANDRA DR	604' N NORMAN DR	604' N NORMAN DR		604	33	2,315
TOTAL SS1								
					11,540 LF		41,921 SY	
SLURRY SEAL TYPE 2 (SS2)								
62	5		DUNLAP DR	NUEVO RD		705	42	3,290
					705 LF		3,290 SY	
SLURRY SEAL TYPE 2 / CHIP SEAL (CAPE 2)								
62	5		DUNLAP DR	705' S NUEVO RD		2,180	23	5,329
					2,180 LF		5,329 SY	
SLURRY SEAL TYPE 3 / SCRUB SEAL (SCRUB 1)								
90	A	5	16 BUTTERFLY DR	MEADOW VIEW LN		1,644	40	7,007
90	A	5	16 HUNTINGBIRD CT	MEADOW VIEW LN		542	36	2,168
90	A	5	16 MEADOW VIEW LN	PINE VIEW DR		1,780	40	7,011
90	A	5	16 MUSTY MEADOW DR	SHADOW VALLEY LN		637	40	2,811
90	A	5	16 PINE VIEW DR	1401' N SHADOW VALLEY LN		1,471	40	6,227
90	A	5	16 SHADY CT	MISTY MEADOW DR		1,096	40	4,871
90	A	5	16 VIEW DR	238' N WOODCREST DR		339	36	966
90	A	5	16 WOODCREST DR	485' N WOODCREST DR		911	40	4,049
90	A	5	16 WOODCREST DR	SHADOW VALLEY LN		790	40	3,511
90	A	5	16 WOODCREST DR	PINE VIEW DR		414	40	1,640
					9,854 LF		41,971 SY	
SLURRY SEAL TYPE 3 / SCRUB SEAL (SCRUB 2)								
90	5	16	BROOKSIDE AVE	110 OVERPASS		1,367	14	2,126
90	5	16	BROOKSIDE AVE	CHERRY AVE		3,096	15	5,160
91	5	16	BROOKSIDE AVE	148' W MAUREEN DR		800	30	2,467
91	5	16	BROOKSIDE AVE	HIGHLAND SPRINGS AVE		1,394	40	6,196
					6,657 LF		36,149 SY	
MICROSURFACE / SCRUB SEAL (MICROSCRUB)								
223	4	19	HARRISON ST	AIRPORT BLVD		5,280	40	23,467
223	4	19	HARRISON ST	58TH AVE		5,280	41	24,051
223	4	19	HARRISON ST	60TH AVE		5,280	41	24,051
229	4	19	HARRISON ST	62ND AVE		5,280	36	15,253
229	4	19	HARRISON ST	64TH AVE		5,280	36	15,253
229	4	19	HARRISON ST	66TH AVE		5,280	36	15,253
229	4	19	HARRISON ST	MIDDLETON ST		3,500	28	10,111
229	4	19	HARRISON ST	MIDDLETON ST		5,280	36	15,253
233	4	19	HARRISON ST	5287' S MIDDLETON ST		5,854	73	47,482
233	4	19	HARRISON ST	70TH AVE		5,803	42	27,081
233	4	19	HARRISON ST	72ND AVE		5,803	44	28,270
241	4	19	HARRISON ST	74TH AVE		5,803	44	28,270
241	4	19	HARRISON ST	4759' SE 74TH AVE		4,759	74	39,130
241	4	19	HARRISON ST	4759' SE 74TH AVE		11,792	52	11,792
241	4	19	HARRISON ST	1080' S OF PIERCE ST (17TH AVE)		2,041	40	12,489
241	4	19	HARRISON ST	80TH AVE		2,900	40	22,222
241	4	19	HARRISON ST	80TH AVE		5,000	40	27,222
241	4	19	HARRISON ST	81ST AVE		3,500	40	15,556
241	4	19	HARRISON ST	81ST AVE		3,500	40	15,556
					70,840 LF		331,960 SY	

DESIGNED BY APPROVED BY: _____

TREATMENT INDEX

SLURRY SEAL PROJECT

SUPERVISOR DISTRICT 4 - C5-0009

SUPERVISOR DISTRICT 5 - C5-0010

DATE _____

PROJECT MANAGER _____

CITY OF MORENO VALLEY

FILE NO. _____

WO C5-0009

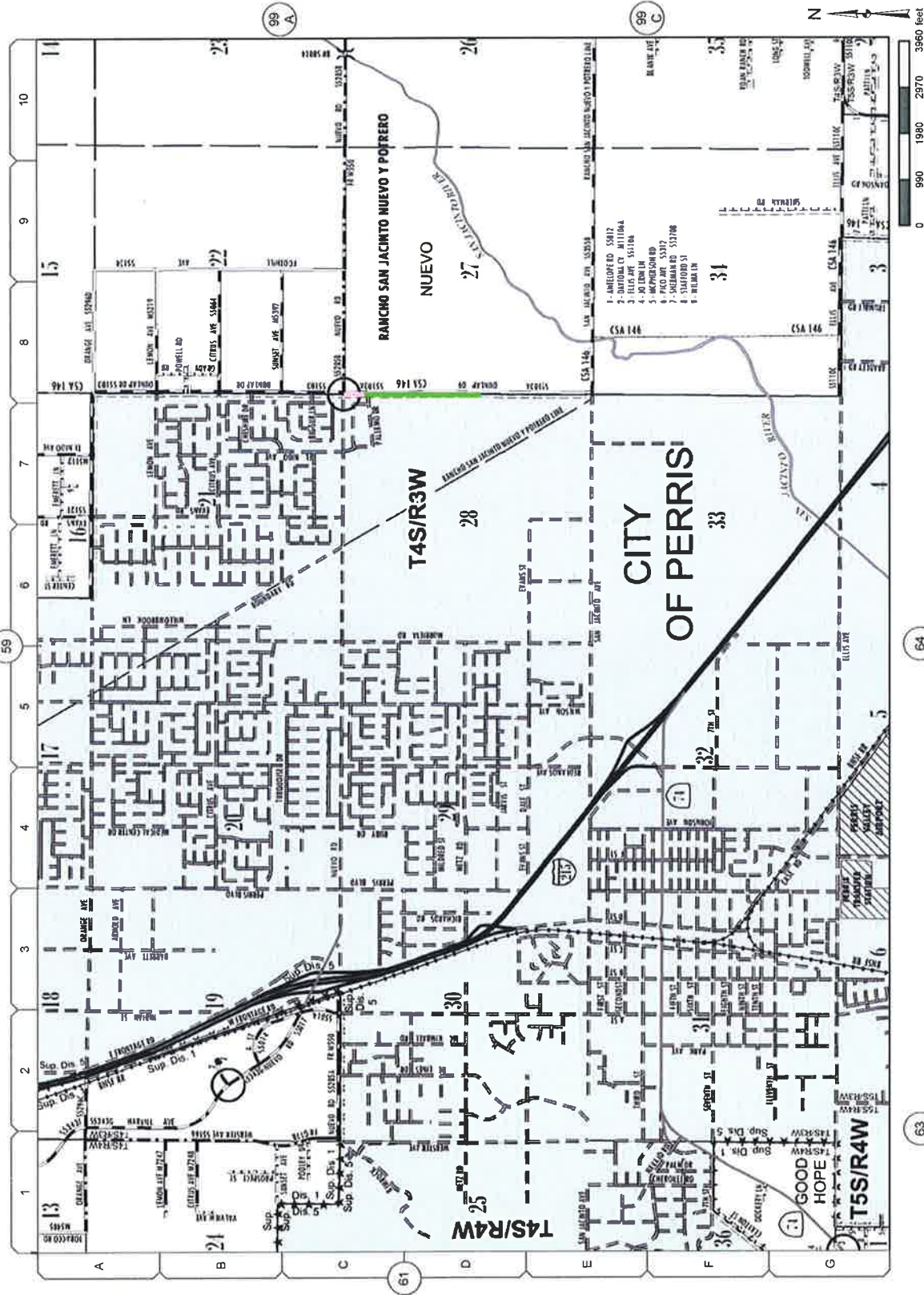
RELATIVE BARBER SCALE 1" = 10' HORIZONTAL, 1" = 10' VERTICAL

0 1 2 3

SDS&P REVISED 04/01/2013

SHEET No. 2 of 13

M-14
S-1.5



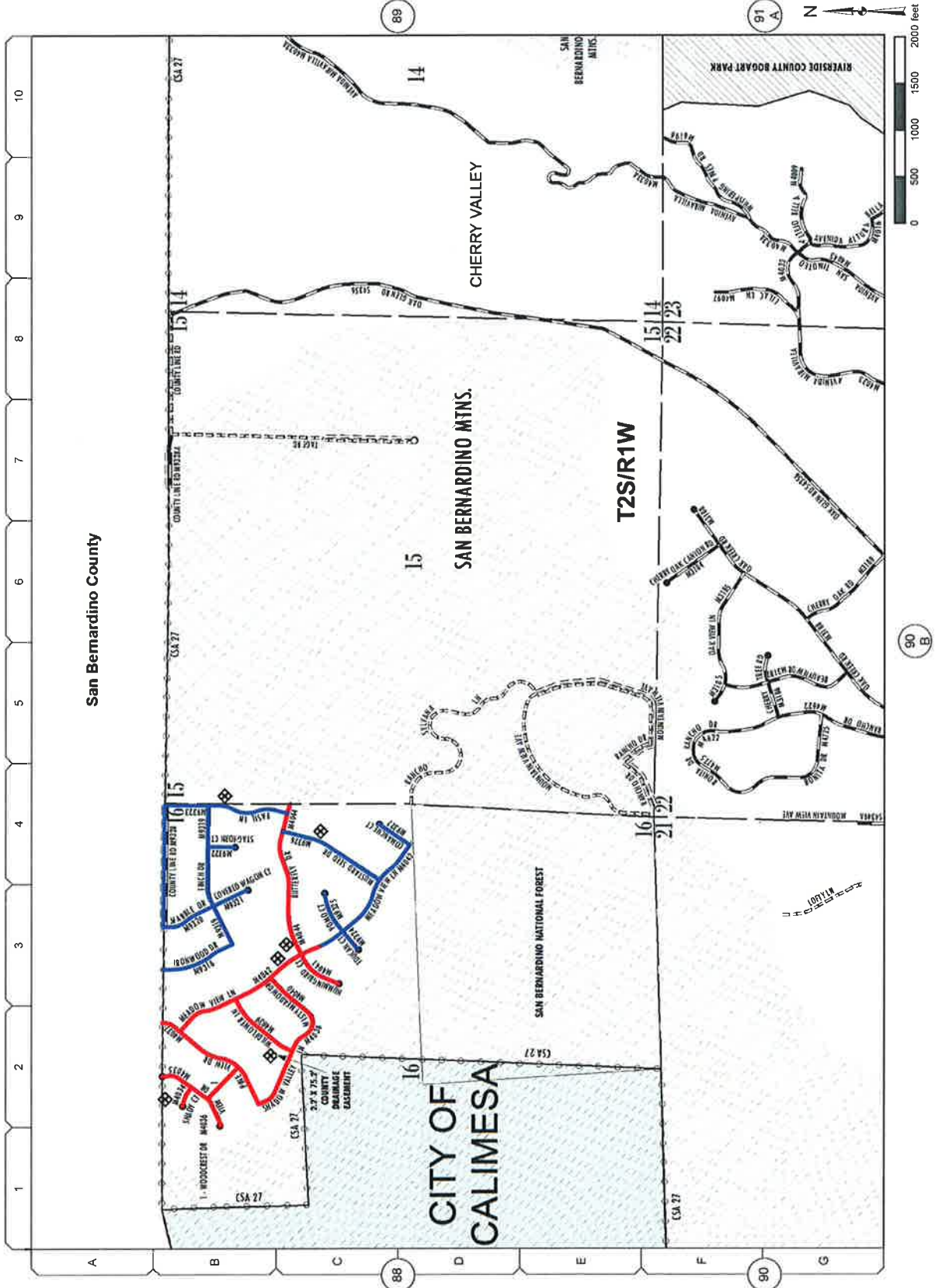
Proposed TIP Projects
Slurry Seal Projects
Slurry Seal Type II
Slurry Seal II / Chip Seal

M-16
S-5

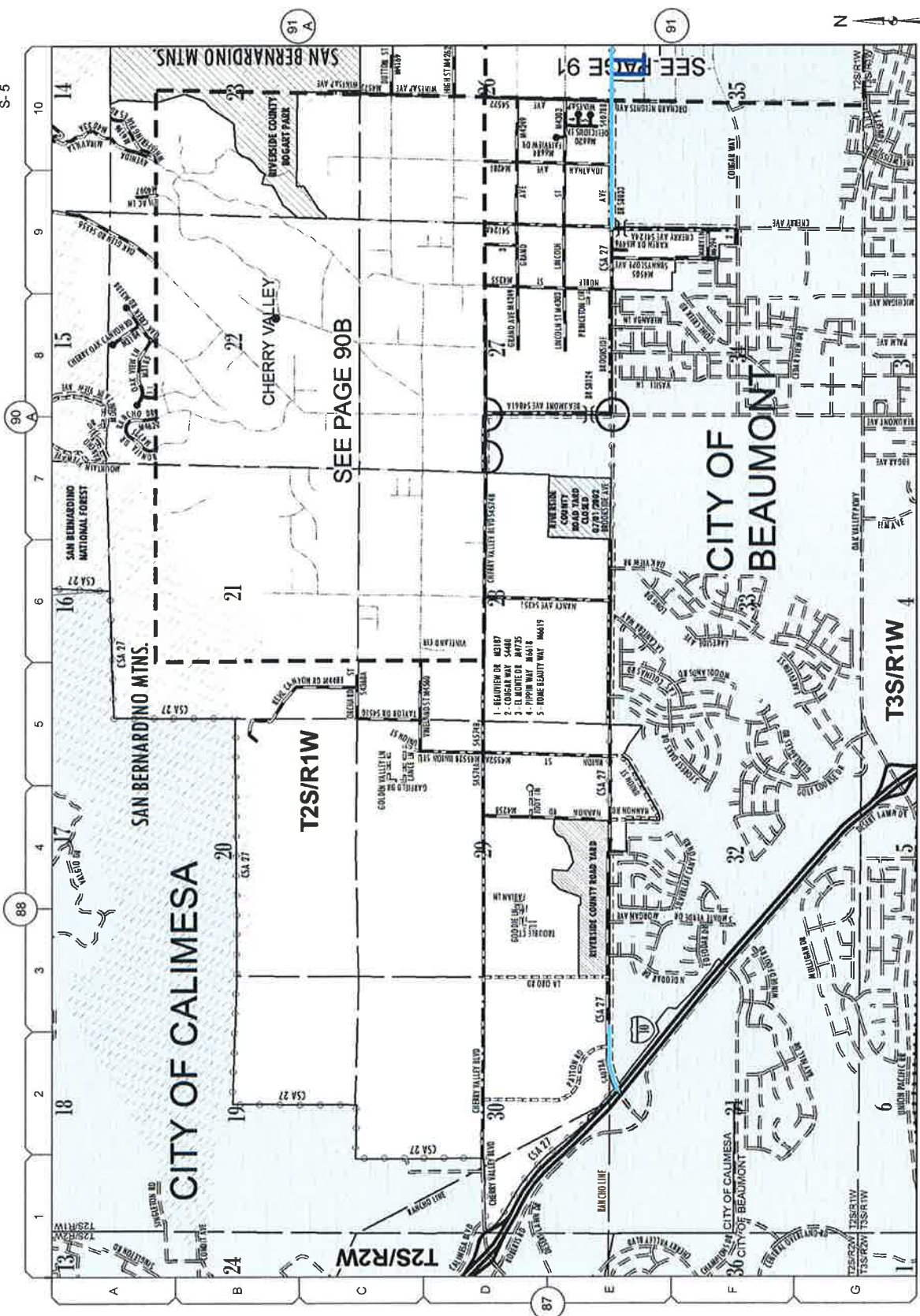
Proposed TIP Projects

Slurry Seal Projects

- Slurry Seal Type I
- Slurry Seal II / Chip Seal



M-16
S-5



Proposed TIP Projects
Slurry Seal Projects
 Slurry Seal Type I
 Slurry Seal II / Scrub Seal

92

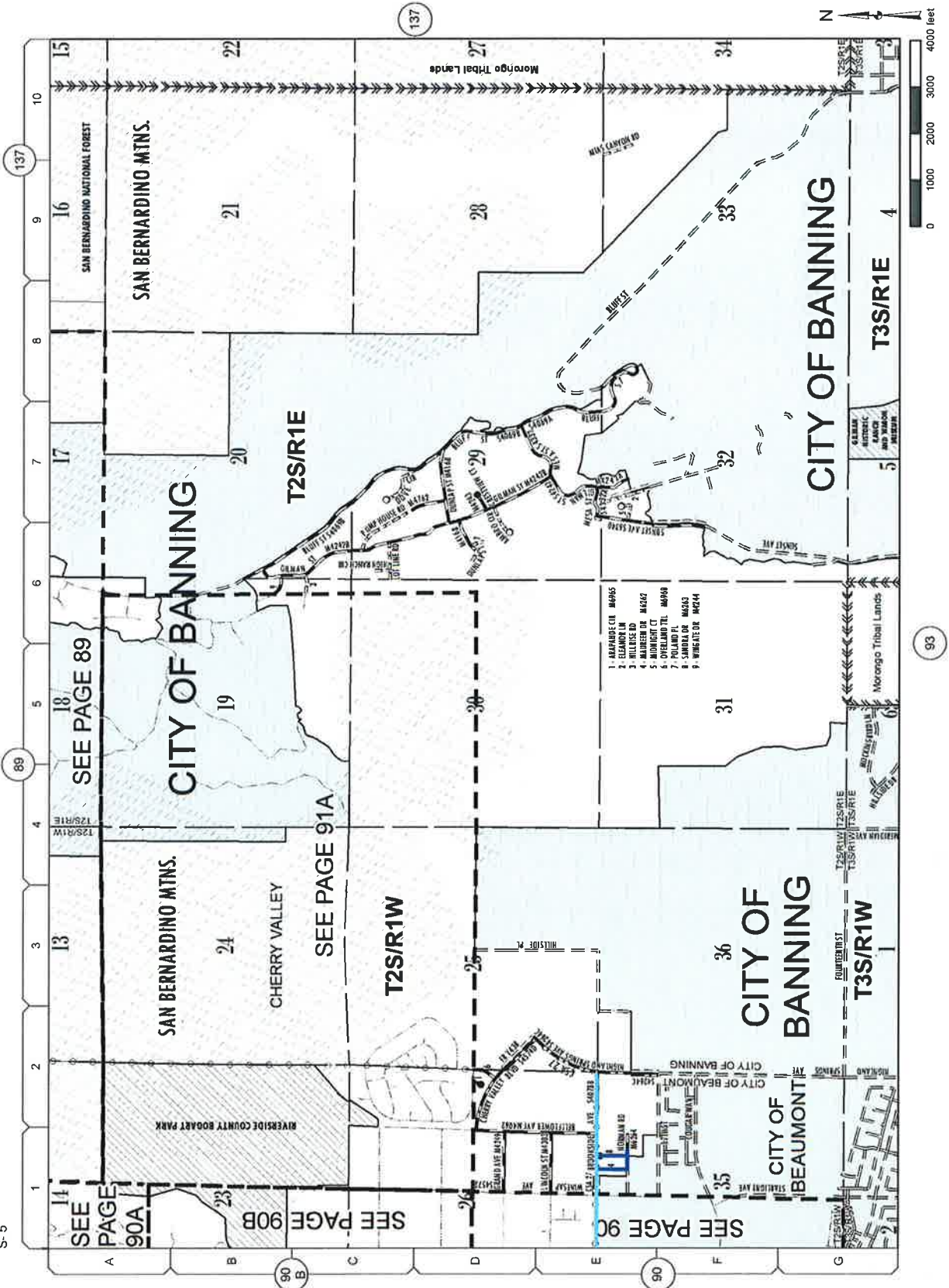


SLURRY SEAL-SD 4 & 5 90
 Feb 01, 2016

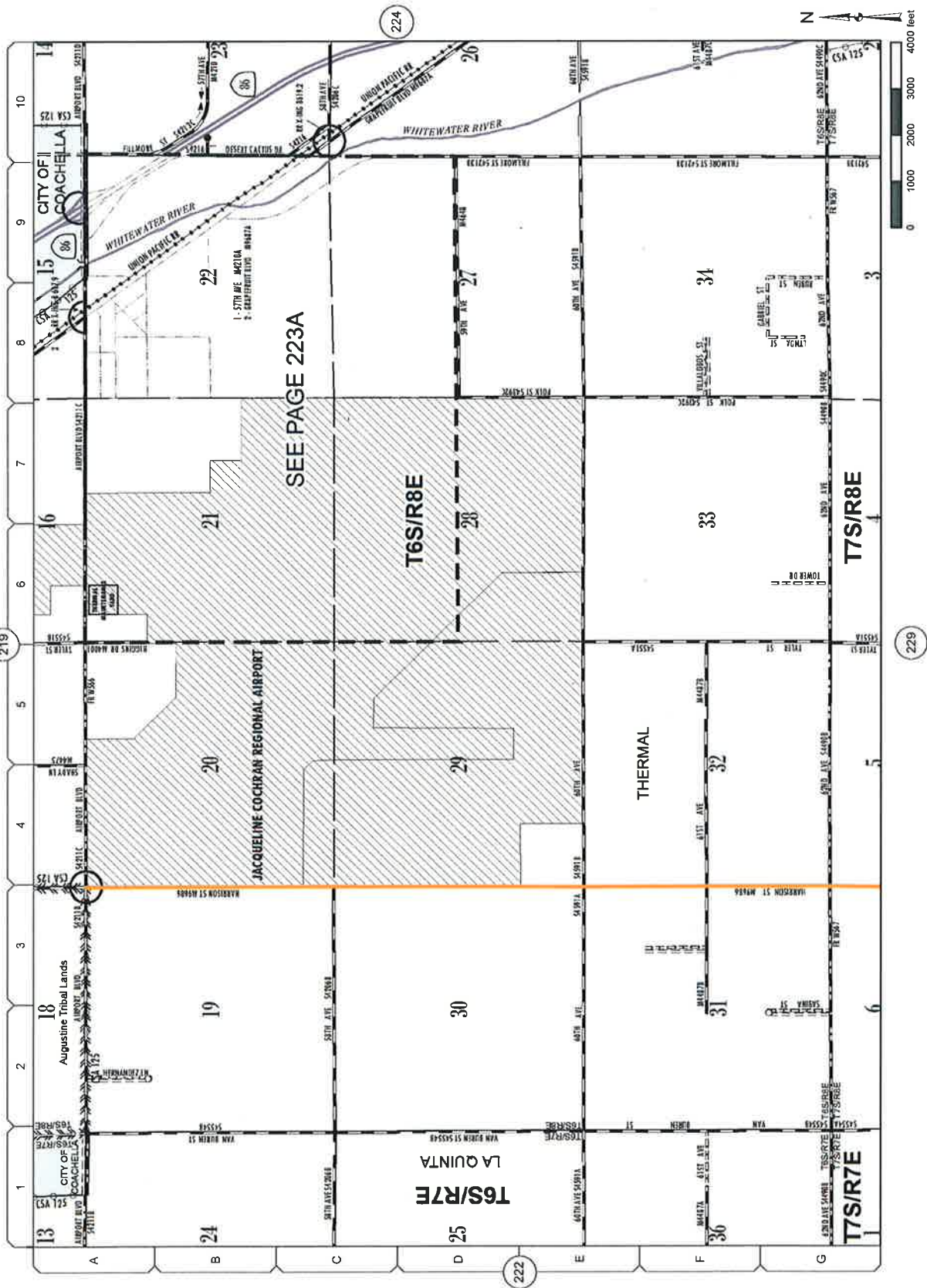
Proposed TIP Projects

Slurry Seal Projects

- Slurry Seal Type I
- Slurry Seal II / Scrub Seal



M-19
S-4



Proposed TIP Projects
Slurry Seal Projects
 — Microsurface / Scrub Seal

SEE PAGE 223A

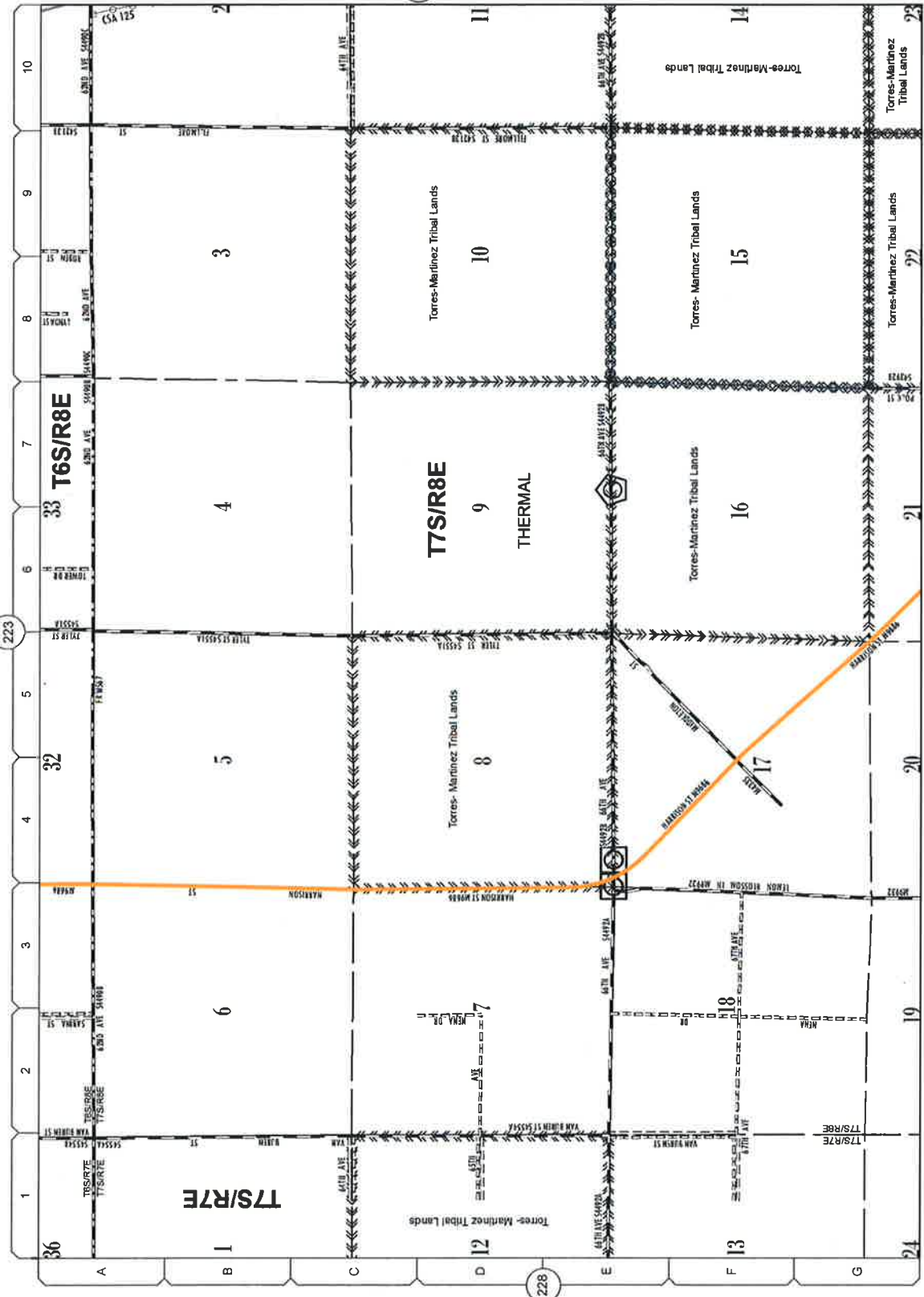
T6S/R7E
LA QUINTA

T6S/R8E

T7S/R8E

T7S/R7E

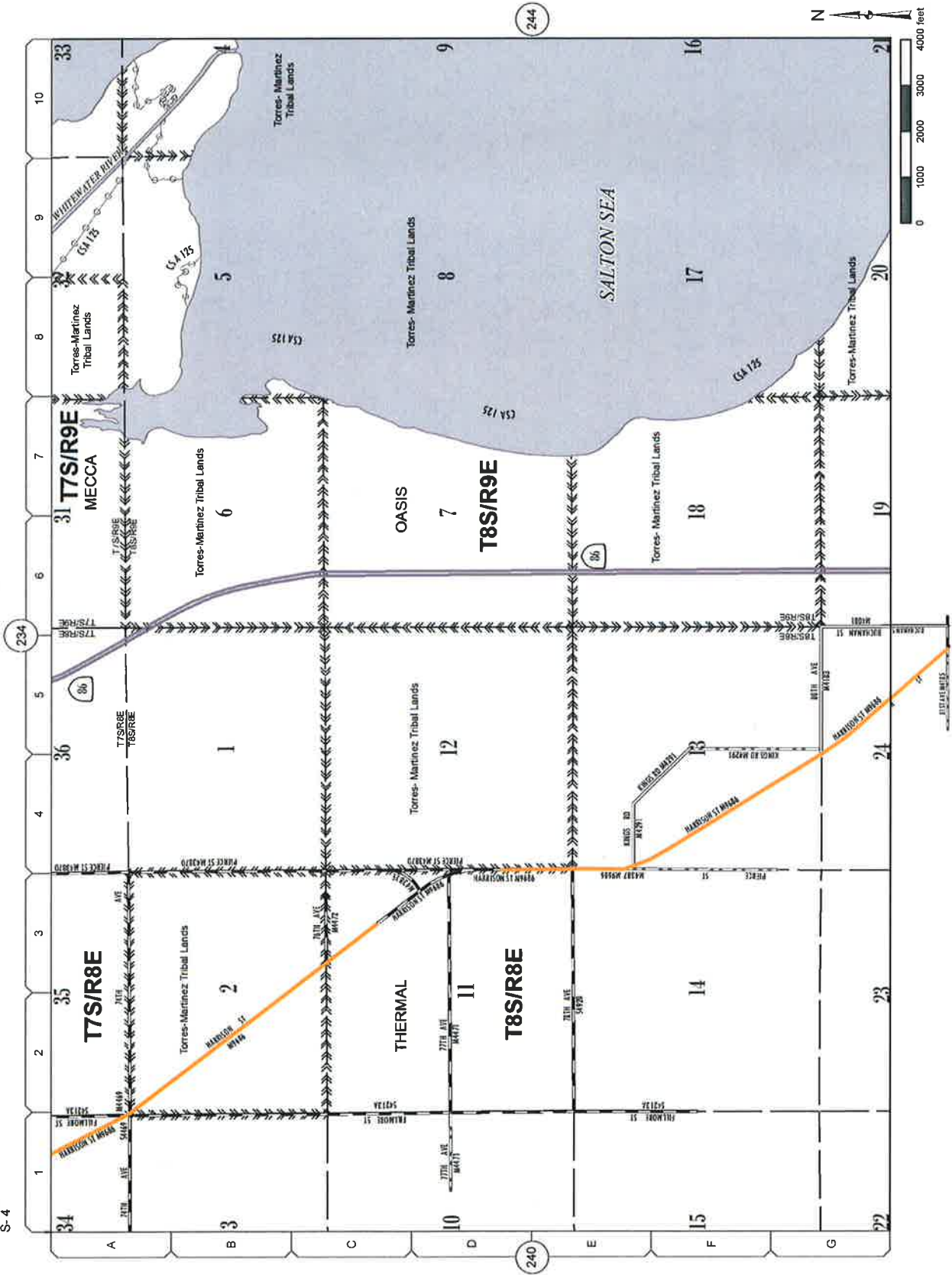
M-19
S-4



Proposed TIP Projects
Slurry Seal Projects
 — Microsurface / Scrub Seal

M-19
S-4

Proposed TIP Projects
Slurry Seal Projects
Microsurface / Scrub Seal



RD BK PAGE	SUPV DIST.	MUNICIPALITY	ROAD NAME	LIMITS		Length (FT)	Width (FT)	Area (SQ YD)	WORK PESC.
				From	To				
90	5	16	BASH LN	COUNTY LINE RD	BUTTERFLY DR	1,282	34	5,178	SS1
90	5	16	BROOKSIDE AVE	5-1D OVERPASS	1387 E 140 OVERPASS	1,367	14	2,126	SCRUB2
90	5	16	BROOKSIDE AVE	CHERRY AVE	148 W MAUIREEN DR	3,096	15	5,160	SCRUB2
91	5	16	BROOKSIDE AVE	148 W MAUIREEN DR	BELFLOWER AVE	800	30	2,667	SCRUB2
91	5	16	BROOKSIDE AVE	BELFLOWER AVE	HIGHLAND SPRINGS AVE	1,334	40	6,196	SCRUB2
90	5	16	BUTTERFLY DR	MEADOW VIEW LN	1644 E MEADOW VIEW LN	1,644	40	7,207	SCRUB1
90	5	16	COMANCHE CT	MEADOW VIEW LN	412 NE MEADOW VIEW LN	412	32	3,465	SS1
90	5	16	COUNTY LINE RD	BASH LN	MARBLE DR	1,267	17	2,393	SS1
90	5	16	COVERED WAGON CT	BASH LN	411 S FINCH DR	411	33	1,461	SS1
62	5		DUNLAP DR	NUEVO RD	705 S NUEVO RD	705	47	3,290	SS2
62	5		DUNLAP DR	705 S NUEVO RD	2885 S NUEVO RD	2,180	22	5,379	CAPE II
90	5	16	FINCH DR	BASH LN	IRONWOOD DR	1,529	36	6,116	SS1
223	4	19	HARRISON ST	AIRPORT BLVD	58TH AVE	5,780	60	29,467	MICROSCRUB
223	4	19	HARRISON ST	58TH AVE	60TH AVE	2,260	41	24,053	MICROSCRUB
223	4	19	HARRISON ST	60TH AVE	50ND AVE	5,780	41	24,053	MICROSCRUB
229	4	19	HARRISON ST	60ND AVE	64TH AVE	5,280	26	15,753	MICROSCRUB
229	4	19	HARRISON ST	64TH AVE	66TH AVE	5,280	26	15,253	MICROSCRUB
229	4	19	HARRISON ST	66TH AVE	MIDDLETON ST	3,500	26	10,111	MICROSCRUB
229	4	19	HARRISON ST	MIDDLETON ST	5287 SE MIDDLETON ST	5,280	26	15,253	MICROSCRUB
233	4	19	HARRISON ST	5287 SE MIDDLETON ST	70TH AVE	5,854	71	47,482	MICROSCRUB
233	4	19	HARRISON ST	70TH AVE	20TH AVE	3,803	42	27,081	MICROSCRUB
233	4	19	HARRISON ST	20TH AVE	24TH AVE	5,803	44	28,370	MICROSCRUB
241	4	19	HARRISON ST	24TH AVE	4299 SE 74TH AVE	4,759	74	35,130	MICROSCRUB
241	4	19	HARRISON ST	4299 SE 74TH AVE	1815 NW PERCE ST (77TH AVE)	2,041	53	11,730	MICROSCRUB
241	4	19	HARRISON ST	1815 NW PERCE ST (77TH AVE)	KINGS RD	2,900	46	12,889	MICROSCRUB
241	4	19	HARRISON ST	KINGS RD	60TH AVE	5,000	46	22,272	MICROSCRUB
241	4	19	HARRISON ST	60TH AVE	BEST AVE	3,500	40	15,556	MICROSCRUB
90	5	16	HUNMANSBIRD CT	MEADOW VIEW LN	542 SW MEADOW VIEW LN	542	36	2,168	SCRUB1
90	5	16	IRONWOOD DR	RAV N FINCH DR	FINCH DR	800	27	2,400	SS1
90	5	16	MARBLE DR	COUNTY LINE RD	FINCH DR	553	36	2,212	SS1
91	5	16	MAUIREEN DR	BROOKSIDE AVE	NORMAN RD	699	33	2,453	SS1
90	5	16	MEADOW VIEW LN	1782 SE PINE VIEW DR	COMANCHE CT	1,435	40	6,978	SS1
90	5	16	MEADOW VIEW LN	PINE VIEW DR	1782 SE PINE VIEW DR	1,780	40	7,911	SCRUB1
90	5	16	MUSTARD SEED DR	SHADOW VALLEY LN	MEADOW VIEW LN	637	46	2,831	SCRUB1
90	5	16	MUSTARD SEED DR	MEADOW VIEW LN	BUTTERFLY DR	1,122	36	4,488	SS1
91	5	16	NORMAN RD	MAUIREEN DR	415 E MAUIREEN DR	415	33	1,522	SS1
90	5	16	PINE VIEW DR	SHADOW VALLEY LN	1401 NE SHADOW VALLEY LN	1,401	40	6,227	SCRUB1
90	5	16	POWELL CT	MEADOW VIEW LN	474 N MEADOW VIEW LN	474	32	1,685	SS1
91	5	16	SANDBA DR	NORMAN RD	484 N NORMAN RD	604	33	2,215	SS1
90	5	16	SHADOW VALLEY LN	PINE VIEW DR	INDY MEADOW DR	1,096	40	4,671	SCRUB1
90	5	16	SHADY CT	VIEW DR	239 NW VIEW DR	239	38	956	SCRUB1
90	5	16	STAGHORN CT	FINCH DR	302 S FINCH DR	302	35	1,074	SS1
90	5	16	TOULCAN CT	MEADOW VIEW LN	245 W MEADOW VIEW LN	205	32	942	SS1
90	5	16	VIEW DR	486 NE WOODCREST DR	423 SW WOODCREST DR	911	46	4,058	SCRUB1
90	5	16	WILDFLOWER LN	SHADOW VALLEY LN	MEADOW VIEW LN	790	40	3,511	SCRUB1
90	5	16	WOODCREST DR	PINE VIEW DR	VIEW DR	414	40	1,840	SCRUB1

DESIGNED BY _____ **APPROVED BY** _____

ROAD INDEX

SLURRY SEAL PROJECT

SUPERVISOR DISTRICT 4 - CS-0009

SUPERVISOR DISTRICT 5 - CS-0010

DATE: _____

PROJECT MANAGER: _____

COUNTY OF RIVERSIDE

USEFULNESS: 0 NONE, 1 MINOR, 2 MODERATE, 3 MAJOR, 4 BEST

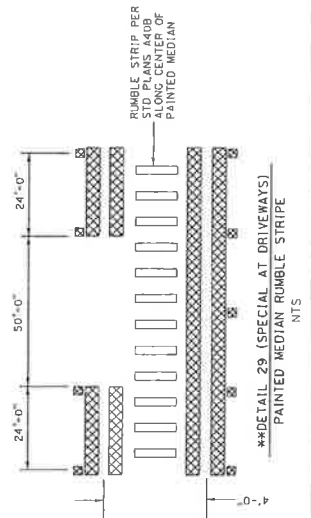
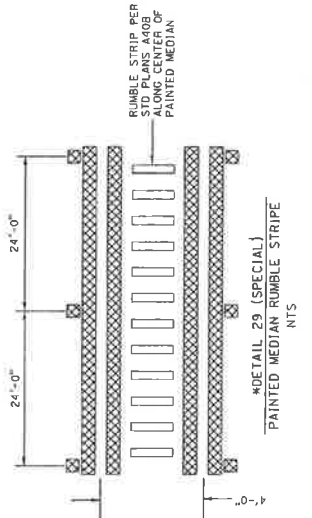
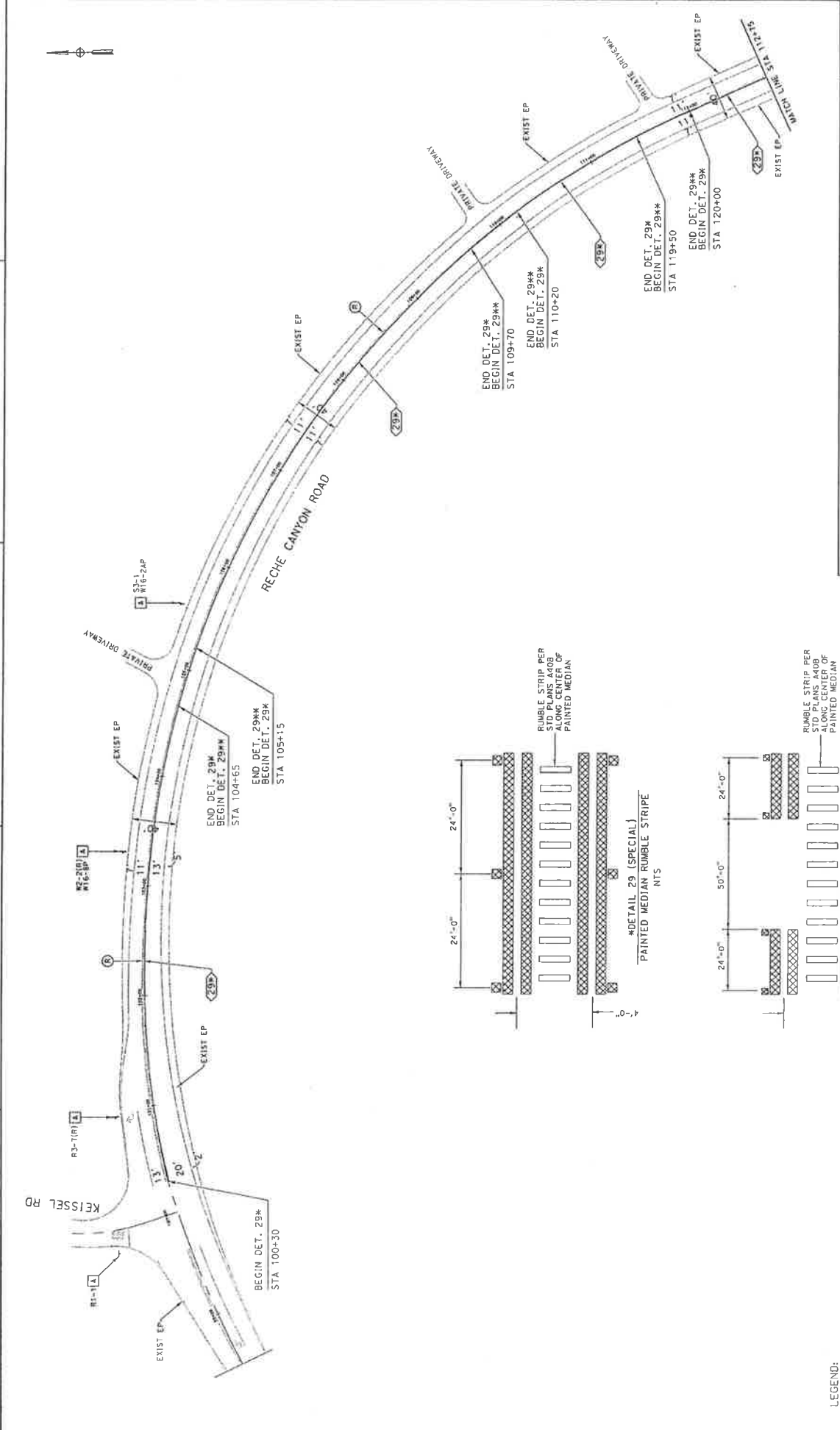
RELATIVE DIMENSION SCALE: 1" = 16'-0" HORIZONTAL, 1" = 4'-0" VERTICAL

NO. CS-0009

PROJECT FILE NO. _____

SHEET NO. _____

11 OF 13



- LEGEND:
- (X) PAVEMENT STRIPING DETAIL
 - (B) REMOVE PAVEMENT MARKING/STRIPING/RPM
- SIGNING NOTES:
- (A) PROTECT EXISTING SIGN AND POST IN PLACE

DESIGNED BY: [Signature]

APPROVED BY: [Signature]

PROJECT NUMBER: [Number]

DESIGNED BY: [Name]

CHECKED BY: [Name]

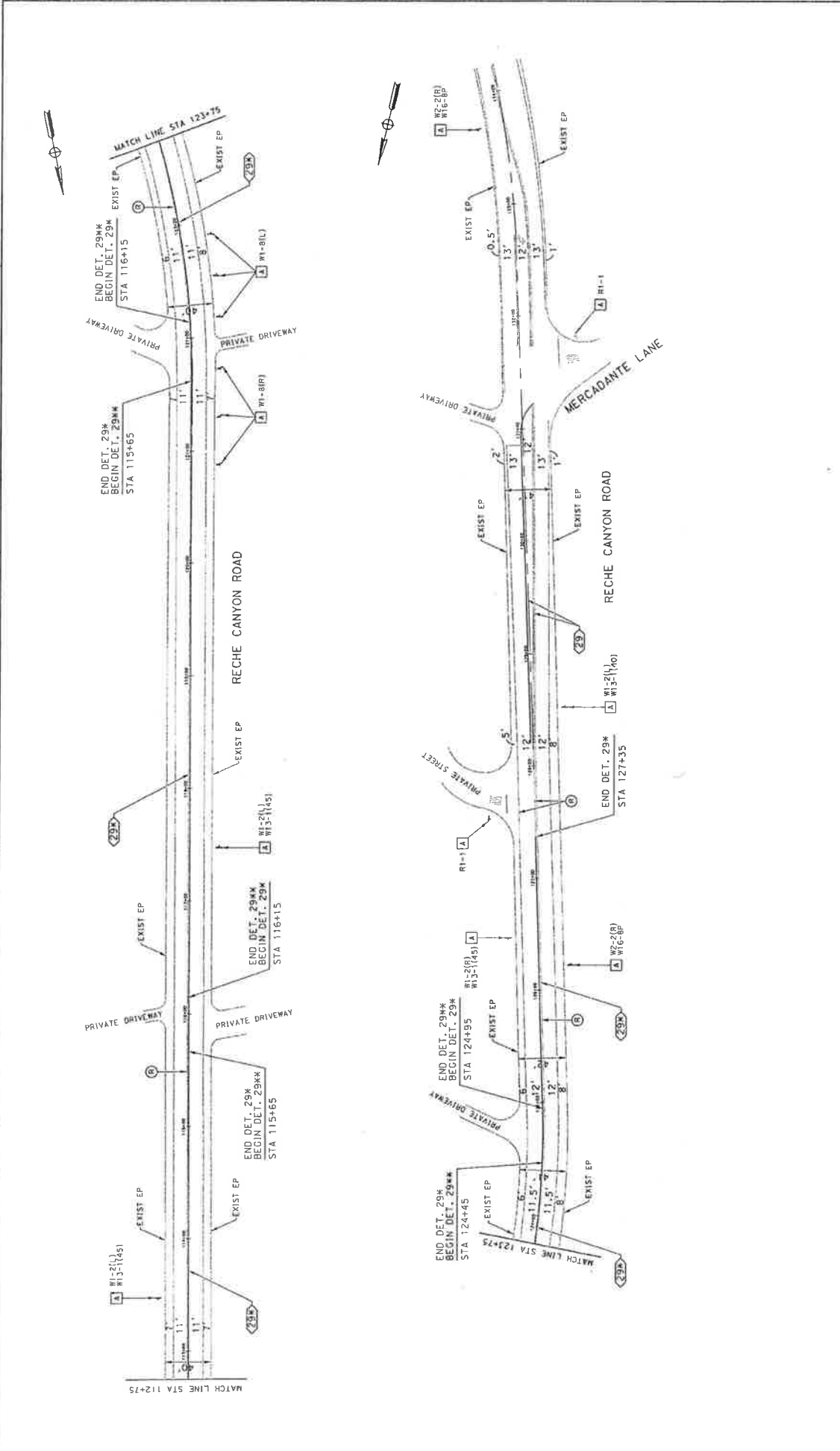
DATE: [Date]

SCALE: 1"=40'

PAVEMENT DELINEATION & SIGN PLAN SHEET No. PD-1

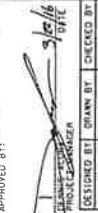

RECHE CANYON ROAD BETWEEN KEISSEL ROAD AND MERCADANTE LANE

SHEET 1 of 2



LEGEND:

- X PAVEMENT STRIPING DETAIL
- O REMOVE PAVEMENT MARKING/STRIPING/RPM
- A SIGNING NOTES:
- A PROTECT EXISTING SIGN AND POST IN PLACE

DESIGNED BY:  THOMAS J. ANDERSON
 APPROVED BY:  [unreadable]
 DESIGNED BY: DRAWN BY: CHECKED BY: DATE: 11/16/16

PAVEMENT DELINEATION & SIGN PLAN
 RECHE CANYON ROAD
 BETWEEN
 KEISSEL ROAD
 AND
 MERCADANTE LANE
 SCALES: 1"=40'

SHEET No. PD-2
 PAGE 2 of 2

RD BK PAGE	SUPV. DIST.	MAINT. DIST.	ROAD NAME	LIMITS		Length (FT)	Width (FT)	Area (SQ YD)	WORK DESC.	
				From	To					
B										
90	A	5	16	BASIL LN	COUNTY LINE RD	BUTTERFLY DR	1,282	36	5,128	SS1
90		5	16	BROOKSIDE AVE	I-10 OVERPASS	1367' E I-10 OVERPASS	1,367	14	2,126	SCRUB2
90		5	16	BROOKSIDE AVE	CHERRY AVE	148' W MAUREEN DR	3,096	15	5,160	SCRUB2
91		5	16	BROOKSIDE AVE	148' W MAUREEN DR	BELLFLOWER AVE	800	30	2,667	SCRUB2
91		5	16	BROOKSIDE AVE	BELLFLOWER AVE	HIGHLAND SPRINGS AVE	1,394	40	6,196	SCRUB2
90	A	5	16	BUTTERFLY DR	MEADOW VIEW LN	1644' E MEADOW VIEW LN	1,644	40	7,307	SCRUB1
C										
90	A	5	16	COMANCHE CT	MEADOW VIEW LN	412' NE MEADOW VIEW LN	412	32	1,465	SS1
90	A	5	16	COUNTY LINE RD	BASIL LN	MARBLE DR	1,267	17	2,393	SS1
90	A	5	16	COVERED WAGON CT	FINCH DR	411' S FINCH DR	411	32	1,461	SS1
D										
62		5		DUNLAP DR	NUEVO RD	705' S NUEVO RD	705	42	3,290	SS2
62		5		DUNLAP DR	705' S NUEVO RD	2885' S NUEVO RD	2,180	22	5,329	CAPE II
F										
90	A	5	16	FINCH DR	BASIL LN	IRONWOOD DR	1,529	36	6,116	SS1
H										
223		4	19	HARRISON ST	AIRPORT BLVD	58TH AVE	5,280	40	23,467	MICROSCRUB
223		4	19	HARRISON ST	58TH AVE	60TH AVE	5,280	41	24,053	MICROSCRUB
223		4	19	HARRISON ST	60TH AVE	62ND AVE	5,280	41	24,053	MICROSCRUB
229		4	19	HARRISON ST	62ND AVE	64TH AVE	5,280	26	15,253	MICROSCRUB
229		4	19	HARRISON ST	64TH AVE	66TH AVE	5,280	26	15,253	MICROSCRUB
229		4	19	HARRISON ST	66TH AVE	MIDDLETON ST	3,500	26	10,111	MICROSCRUB
229		4	19	HARRISON ST	MIDDLETON ST	5280' SE MIDDLETON ST	5,280	26	15,253	MICROSCRUB
233		4	19	HARRISON ST	5280' SE MIDDLETON ST	70TH AVE	5,854	73	47,482	MICROSCRUB
233		4	19	HARRISON ST	70TH AVE	72ND AVE	5,803	42	27,081	MICROSCRUB
233		4	19	HARRISON ST	72ND AVE	74TH AVE	5,803	44	28,370	MICROSCRUB
241		4	19	HARRISON ST	74TH AVE	4759' SE 74TH AVE	4,759	74	39,130	MICROSCRUB
241		4	19	HARRISON ST	4759' SE 74TH AVE	1815' NW PIERCE ST (77TH AVE)	2,041	52	11,792	MICROSCRUB
241		4	19	HARRISON ST	1085' S OF PIERCE ST (77TH AVE)	KINGS RD	2,900	40	12,889	MICROSCRUB
241		4	19	HARRISON ST	KINGS RD	80TH AVE	5,000	40	22,222	MICROSCRUB
241		4	19	HARRISON ST	80TH AVE	81ST AVE	3,500	40	15,556	MICROSCRUB
90	A	5	16	HUMMINGBIRD CT	MEADOW VIEW LN	542' SW MEADOW VIEW LN	542	36	2,168	SCRUB1
I										
90	A	5	16	IRONWOOD DR	800' N FINCH DR	FINCH DR	800	27	2,400	SS1
M										
90	A	5	16	MARBLE DR	COUNTY LINE RD	FINCH DR	553	36	2,212	SS1
91		5	16	MAUREEN DR	BROOKSIDE AVE	NORMAN RD	669	33	2,453	SS1
90	A	5	16	MEADOW VIEW LN	1780' SE PINE VIEW DR	COMANCHE CT	1,435	40	6,378	SS1
90	A	5	16	MEADOW VIEW LN	PINE VIEW DR	1780' SE PINE VIEW DR	1,780	40	7,911	SCRUB1
90	A	5	16	MISTY MEADOW DR	SHADOW VALLEY LN	MEADOW VIEW LN	637	40	2,831	SCRUB1
90	A	5	16	MUSTARD SEED DR	MEADOW VIEW LN	BUTTERFLY DR	1,122	36	4,488	SS1
N										
91		5	16	NORMAN RD	MAUREEN DR	415' E MAUREEN DR	415	33	1,522	SS1
P										
90	A	5	16	PINE VIEW DR	SHADOW VALLEY LN	1401' NE SHADOW VALLEY LN	1,401	40	6,227	SCRUB1
90	A	5	16	POMO CT	MEADOW VIEW LN	474' N MEADOW VIEW LN	474	32	1,685	SS1
S										
91		5	16	SANDRA DR	NORMAN RD	604' N NORMAN RD	604	33	2,215	SS1
90	A	5	16	SHADOW VALLEY LN	PINE VIEW DR	MISTY MEADOW DR	1,096	40	4,871	SCRUB1
90	A	5	16	SHADY CT	VIEW DR	239' NW VIEW DR	239	36	956	SCRUB1
90	A	5	16	STAGHORN CT	FINCH DR	302' S FINCH DR	302	32	1,074	SS1
T										
90	A	5	16	TOUCAN CT	MEADOW VIEW LN	265' W MEADOW VIEW LN	265	32	942	SS1
V										
90	A	5	16	VIEW DR	486' NE WOODCREST DR	425' SW WOODCREST DR	911	40	4,049	SCRUB1
W										
90	A	5	16	WILDFLOWER LN	SHADOW VALLEY LN	MEADOW VIEW LN	790	40	3,511	SCRUB1
90	A	5	16	WOODCREST DR	PINE VIEW DR	VIEW DR	414	40	1,840	SCRUB1