



Ann M. Stillman
Interim Director

County Government Center
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June 14, 2022

COUNTY OF SAN MATEO

ROAD OIL APPLICATION IN CONJUNCTION WITH THE COUNTY'S 2022 CHIP SEAL ROAD MAINTENANCE PROJECT

COUNTY PROJECT NO. RW936
PROJECT FILE NO. S5047

ADDENDUM NO. 1

TO ALL PLAN HOLDERS:

The following **Addendum No. 1** to the above referenced project, dated May 27, 2022, shall be included in the project plans and specifications.

1. Page ii of the TableCon.S5047 (Table of Contents) shall be replaced in the Project Specifications.

Replace page ii of the TableCon.S5047 Section with page ii (REV) TableCon.S5047.

2. The bid opening date has been moved to June 21, 2022 at 2:30 p.m. Pages 1 - 3 of the NC.S5047 (Notice to Contractor) Section shall be replaced in the Project Specifications.

Replace pages 1, 2 and 3 of the NC.S5047 Section with pages 1 (REV), 2 (REV) and 3 (REV) NC.S5047 Section.

3. Page 4 of the NC.S5047 (Notice to Contractor) Section shall be replaced in the Project Specifications.

Replace page 4 of the NC.S5047 Section with page 4 (REV) of the NC.S5047 Section.

4. The Fog Seal Emulsion has been clarified as a Chip Retention Oil Treatment. Pages 6, 30, and 34-35 of the SP.S5047 (Special Provisions) Section shall be replaced in the Project Specifications.

Replace pages 6, 30, and 34-35 of the SP.S5047 Section with pages 6 (REV), 30 (REV), 34 (REV), and 35 (REV) of the SP.E5044 Section.



TO ALL PLAN HOLDERS:
**ROAD OIL APPLICATION IN CONJUNCTION WITH THE COUNTY'S 2022 CHIP SEAL
ROAD MAINTENANCE PROJECT**
ADDENDUM NO. 1
June 14, 2022

Page 2

5. The quantity of Rejuvenating Polymer Modified Asphaltic Emulsion and application rate has been revised. Pages 29 and 32 of the SP.S5047 (Special Provisions) Section shall be replaced in the Project Specifications.

Replace pages 29 and 32 of the SP.S5047 Section with page 29 (REV) and page 32 (REV) of the SP.S5047 Section.

6. Page 5 of the PR.S5047 (Proposal) Section shall be replaced in the Project Specifications.

Replace page 5 of the PR.S5047 Section with page 5 (REV) of the PR.S5047 Section.

7. Sheet 13 shall be replaced in the Project Plans in Appendix E of the Project Specifications.

Replace Sheet 13 with Sheet 13 (REV) of the Project Plans.

Please sign and return the attached "Receipt of Addendum No. 1" form. The "Receipt of Addendum No. 1" form MUST be received in this office no later than 4:00 PM Monday, June 20, 2022 or the bid will NOT be considered. The Receipt of Addendum can be emailed to Zack Azzari attention at zazzari@smcgov.org, with carbon copy to jrawley@smcgov.org.

If you have any questions or require additional information, please contact Joshua Rawley or Zack Azzari of our office at (650) 363-4100. They can also be reached by e-mail at:

jrawley@smcgov.org
zazzari@smcgov.org

Very truly yours,



Ann M. Stillman,
Interim Director of Public Works

AMS:KL

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TO ALL PLAN HOLDERS:
**ROAD OIL APPLICATION IN CONJUNCTION WITH THE COUNTY'S 2022 CHIP SEAL
ROAD MAINTENANCE PROJECT**
ADDENDUM NO. 1
June 14, 2022

Page 3

Encl.- "Receipt of Addendum No. 1" Form
Revised Page ii (REV) of the TableCon.S5047
Revised Pages 1 (REV), 2 (REV), 3 (REV) and 4 (REV) of the NC.S5047 Section
Revised Pages 6 (REV), 29 (REV), 30 (REV), 32 (REV), 34 (REV) and 35 (REV) of the
SP.S5047 Section
Revised Page 5 (REV) of the PR.S5047 Section.
Revised Sheet 13 (REV) of the Plans

cc: Krzysztof Lisaj, Principal Civil Engineer, Engineering and Construction
Zack Azzari, Senior Civil Engineer, Project Development and Design
John Schabowski, Assistant Engineer, Project Development and Design



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June 14, 2022

COUNTY OF SAN MATEO

**ROAD OIL APPLICATION IN CONJUNCTION WITH
THE COUNTY'S 2022 CHIP SEAL ROAD MAINTENANCE PROJECT**

**COUNTY PROJECT NO. RW936
PROJECT FILE NO. S5047**

RECEIPT OF ADDENDUM NO. 1

I, _____, an authorized representative for _____, have received **Addendum No. 1** for the Road Oil Application in Conjunction with the County's 2022 Chip Seal Road Maintenance Project from an authorized representative of the County of San Mateo, to be included in the Plans and Specifications for the above referenced project.

This form must be signed and received in the offices of the County of San Mateo, Department of Public Works **no later than 4:00 PM, Monday, June 20, 2022.**

"Contractor"

(Print)

(Signature)

(Date)



SPECIAL PROVISIONS (Continued)**TABLE OF CONTENTS (Continued)**Section

9-3.	Payments Withheld from Contractor
9-4.	Stop Notices
9-5.	Construction Claims
11.	Mobilization
37.	Asphaltic Emulsion
37-2	Rejuvenating Polymer Modified Asphaltic Emulsion
37-3	Fog Seal Emulsion <u>Chip Retention Oil</u>

Note: Gaps in Section numbering indicate that the Section is either blank or does not apply.

APPENDIX A

Not Used

APPENDIX B

Sample "Payment Bond" Form
Sample "Performance Bond" Form

APPENDIX C

Daily Personnel and Equipment Log

APPENDIX D

Construction Claims: Public Contract Code Sections 9204 and 20104 et seq.

APPENDIX E

Project Plans – Location Maps and Typical Details

APPENDIX F

Caltrans Encroachment Permit No. 0421-NTK-0961

COUNTY OF SAN MATEO
STATE OF CALIFORNIA

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN, that

Sealed bids will be received to the office of the County Executive Officer/Clerk of the Board of Supervisors, of the Hall of Justice and Records, 400 County Center, Redwood City, California, 94063 until the hour of

2:30 p.m., Thursday, June 16, 2022-Tuesday, June 21, 2022

where the bids will be publicly opened and read aloud for the following project in accordance with the specifications therefore and to which special reference is made as follows:

**ROAD OIL APPLICATION IN CONJUNCTION WITH
THE COUNTY'S 2022 CHIP SEAL ROAD MAINTENANCE PROJECT**

**TOTAL PROJECT APPROXIMATELY 50 MILES IN LENGTH
WITH APPURTENANT WORK THERETO IN
UNINCORPORATED SAN MATEO COUNTY**

**COUNTY PROJECT NO. RW936
PROJECT FILE NO. S5047**

Bids are required for the entire work described herein.

Bidders are further advised of the following:

1. **Contractor should be placed on a Plan Holders List for bidding. To be placed on the Plan Holders List, the Contractor shall either:**
 - a. **Purchase Plans and Specifications, including forms of proposal and contract, from the County of San Mateo Department of Public Works. When purchasing by phone (650-363-4100) , please send check payable to "County of San Mateo" to 555 County Center, 5th Floor, Redwood City, CA 94063; OR**
 - b. **Complete and sign the following Plan Holder's Affidavit by using the link below to receive a link to download an electronic copy of the plans and specifications. The Contractor is advised that the form should be received by the County no later than three (3) working days prior to the bid opening date.**

Link to the Plan Holder’s Affidavit:

<https://www.smcgov.org/publicworks/2022-Road-Oil-Application>

- c. If Plans and Specifications are obtained through a source other than those outlined in 1a and 1b, complete the below Plan Holder’s Affidavit and return to the County by PDF either via email to jrawley@smcgov.org, zazzari@smcgov.org, or by fax at (650) 361-8220. The Contractor is advised that the form should be received by the County no later than three (3) working days prior to the bid opening date.

Plan Holder’s Affidavit	
Project Title	Road Oil Application in Conjunction with the County’s 2022 Chip Seal Road Maintenance Project
Project No.	RW936
Project Engineer:	Joshua P. Rawley
Project Manager:	Zack Azzari
Bid Open Date and Time:	2:30 p.m., Thursday, June 16, 2022 Tuesday, June 21, 2022
Company Name:	_____
Mailing Address:	_____
Phone Number:	_____ Fax Number: _____
E-mail Address:	_____
(Name and Title of Authorized Representative of Bidder)	
(Signature of Authorized Representative of Bidder)	

- 2. The Plan Holders List will be posted to the County of San Mateo’s Public Works website two (2) working days prior to the bid open date.
- 3. Questions regarding the Contract Documents concerning items such as discrepancies, conflicts, omissions, doubts as to meanings, or regarding scope of bid items shall be referred to the Engineer. Inquiries must be received in writing via email, to jrawley@smcgov.org and zazzari@smcgov.org, not less than five (5) working days prior to bid opening. Inquiries will be answered in writing via email response if written clarification is warranted, in the opinion of the Engineer, then inquiries and responses will be posted to the Project’s page on the County of San

Mateo's Public Works website. It will be the Contractor's sole responsibility to ensure that they receive responses, *if any*. The County will not be responsible for oral clarifications.

- 4. It will be the Contractor's sole responsibility to ensure that they have received addendums, *if any*, which will be posted to the County of San Mateo's Public Works website on the same day issued. Said addendums will also be sent to all current plan holders and made available during purchase of Plans and Specifications.**
- 5. Proposals in which the prices obviously are unbalanced may be rejected.**
- 6. County is not responsible for the delivery or tracking of mailed-in bids. It will be the responsibility of the Contractor to ensure the package is delivery to the correct location in advance of the bid. It is recommended to have mailed-in bids delivered several days in advance of bid open to allow for proper routing of materials.**

The Department of Public Works website will be updated as needed and can be accessed under the Department's tab found on the County of San Mateo website (<http://publicworks.smcgov.org>).

ENGINEER'S ESTIMATE**ROAD OIL APPLICATION IN CONJUNCTION WITH
THE COUNTY'S 2022 CHIP SEAL ROAD MAINTENANCE PROJECT****TOTAL PROJECT APPROXIMATELY 50 MILES IN LENGTH
WITH APPURTENANT WORK THERETO IN
UNINCORPORATED SAN MATEO COUNTY****COUNTY PROJECT NO. RW936
PROJECT FILE NO. S5047**

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description
1	11	1	LS	Mobilization
2	37-1	975 900	TON	Rejuvenating Polymer Modified Asphaltic Emulsion
3	37-3	17,000	SY	Fog Seal Emulsion Chip Retention Oil

(Note: Gaps in section numbering, above, indicate the Section is blank or does not apply.)

Engineer's Estimate of Costs: \$ 1,350,000.00

SECTION 4.
DESCRIPTION OF WORK

The work to be done consists, in general, placing emulsion oil for the chip sealing of Tunitas Creek Road, Higgins Canyon Road, Purisima Creek Road, Verde Road, Lobitos Creek Road, Bear Gulch Road, Native Sons of Golden West Road, Stage Road, Swett Road, Star Hill Road, Old La Honda Road, Page Mill Road, Sunshine Valley Road, and Miramontes Road prior to the placement of chips by the County of San Mateo Road Division as well as any other items and details not mentioned above, but required by the Standard Specifications and these Special Provisions, and the directions of the Engineer. In addition, Sunshine Valley Road will receive a full length and full width ~~fog seal~~ **chip retention oil** treatment after the installation of the chip-seal application. This is a collaborative project between the County of San Mateo Road Crews and the Contractor. The County of San Mateo Road Crews will be responsible for preparing the roads for construction operations, sweeping, water pollution control measures, property owner notifications and advisory signs for the project. The Contractor is responsible for supplying and placing asphaltic emulsion oil, ~~fog sealing~~ **chip retention oil treatment of** Sunshine Valley Road, and obtaining an encroachment permit from Caltrans.

END OF SECTION

**SECTION 37.
ASPHALTIC EMULSION**

37-1. Asphaltic Emulsion

Asphaltic Emulsion shall conform to the provisions of Section 37, "Bituminous Seals," of the Standard Specifications, these Special Provisions, and the directions of the Engineer.

The Contractor's attention is directed to Section 13, "Water Pollution Control," of these Special Provisions. The Contractor shall take precautions such that no asphaltic emulsion is allowed to enter streams and waterways near the Project during the course of the work.

The following table lists the streets which are being considered for chip seal and the approximate square yardage of each street. The estimated areas are provided for informational purposes only, and the County makes no guarantee to the actual square yardage of chip seal required for each street. The Contractor is advised that approximately ~~Nine Hundred Seventy Five (975)~~ Nine Hundred (900) tons of Rejuvenating Polymer Modified Asphaltic Emulsion will be required for the project, if all of the listed streets are treated. However, the County makes no guarantee of this figure, as it is for estimating purposes only. Any Rejuvenating Polymer Modified Asphaltic Emulsion placed outside the lines and dimensions/limits shown on the Plans and these Special Provisions, which is not authorized by the Engineer in writing, shall not be paid for. The unit conversion for Rejuvenating Polymer Modified Asphaltic Emulsion shall be 240 gallons per ton for purposes of deduction.

Street Name	Length (ft)	Average Width (ft)	Approximate (SY)
Tunitas Creek Rd	49,421	27.5	151,000
Higgins Canyon Rd	22,862	22.4	56,900
Purisma Creek Rd	20,434	20.0	45,408
Verde Rd (South)	4,382	31.3	15,239
Verde Rd (North)	8,078	29.5	26,478
Lobitos Creek Rd	21,965	22.6	55,156
Bear Gulch Rd (South)	11,616	16.8	21,683
Bear Gulch Rd (North)	16,368	13.3	24,228
Sunshine Valley Rd ¹	7,234	21.0	16,878
Alpine Rd	36,379	21.1	85,284
Stage Rd	17,846	21.1	41,838
Page Mill Rd	317	22.6	794
Star Hill Rd	21,173	13.4	31,524
Swett Rd	4,752	18.0	9,504
Native Sons of Golden West Rd	8,026	14.0	12,485
Old La Honda Rd	13,306	16.0	23,655
Miramontes Point Rd	1,320	31.5	4,620
Approx. Total			622,637

1. Sunshine Valley Road to receive a ~~Fog Seal Emulsion~~ **Chip Retention Oil** after the Chip-Seal application. See Section 37-3 of these Special Provisions.

37-2 Rejuvenating Polymer Modified Asphaltic Emulsion

The Contractor's attention is directed to Section 37-2.03C(2), "Applying Asphaltic Emulsion," of the Standard Specifications regarding acceptable weather conditions, pavement temperature and unsuitable workdays. In addition, work shall not be performed under damp conditions, as determined by the Engineer. There will be no additional compensation for weather delays.

The asphaltic emulsion used in the Chip Seal shall be a rejuvenating polymer modified asphaltic emulsion, with a latex polymer, rejuvenating agent and asphalt, and shall conform to the following specifications:

3. The County may send random samples to a professional certified testing laboratory of its choice during the course of the project.
4. **Should the sample fail to meet the specifications, the County has the option to have the Contractor remove the material that didn't meet the specifications or request an extended warranty for the material.**

Application

The asphaltic emulsion for the chip seal shall be applied from edge of pavement to edge of pavement. The edges of the limits of the asphaltic emulsion for the chip seal application on both sides of the street shall be maintained in a neat and uniform line. Asphaltic emulsion for the chip seal shall not be applied on concrete gutters or pads unless directed by the Engineer.

The areas to be chip sealed shall have the Rejuvenating Polymer Modified Asphaltic Emulsion applied with a distributor truck to the pavement surface at a rate between ~~0.39-0.41~~ 0.29-0.31 gallons per square yard. The actual emulsion application rate required will be determined by the pavement surface condition and the aggregate used. The actual application of the emulsion shall be determined by the Engineer.

The Rejuvenating Polymer Modified Asphaltic Emulsion temperature when applied shall be at a minimum of 110 degrees Fahrenheit. For smaller areas the asphaltic emulsion sealer may be applied with a wand.

Immediately following the application of asphaltic emulsion, aggregate shall be applied at a rate specified by the County Crews. The rate shall be adjusted up or down so that no "bleed through" occurs during rolling.

Unless otherwise ordered by the Engineer, a sample of the Rejuvenating Polymer Modified Asphaltic Emulsion shall be taken from the spray bar of the distributor truck at mid-load. The sample shall be taken in a half-gallon plastic container.

The Rejuvenating Polymer Modified Asphaltic Emulsion shall not be placed if either the pavement or the air temperature is below thirty-nine degrees Fahrenheit (39° F), unless waived by the Engineer. The Rejuvenating Polymer Modified Asphaltic Emulsion shall not be placed if the ambient temperature during the twenty-four (24) hour curing period is expected to be below thirty-nine degrees Fahrenheit (39° F). The termination time of application shall be determined by the

37-3. Fog Seal Emulsion-Chip Retention Oil

Sunshine Valley Road in the Montara Area is the only road designated for a ~~Fog Seal~~, otherwise known as a Chip Retention Oil (CRO). This layer of CRO shall be applied on top of the installed chips to serve as a coating to lock the chips into place, to eliminate fugitive dust, and to extend the lifetime of the chip seal.

The suggested method of application shall be as follows:

- 1) Sweep excess chips from the newly chipped surface, after chip emulsion cures, to be performed by County Crew.
- 2) Apply CRO to freshly swept chip seal, at a rate of .10 to .17 gallons per square yard.
- 3) Allow CRO to cure, under normal climatic conditions, 1 hour. Roll the surface if deemed necessary per the discretion of the County Engineer (uneven surface, etc.), to be performed by County Crew.

The Chip Retention Oil Specifications shall be in compliance with the Table shown below.

Test on CRO Emulsion:			Test Method
Viscosity, ZAHN CUP (No 2)	Min 10	Max 20	
Settlement, 5-day, %	Max 5		T59
Storage Stability Test, 24-H, %		1	T59
Sieve Test, %		10	T59
Particle Charge	Negative		
Residue	Min 35		T59

Test on Residue from Evaporation Test:			Test Method
Softening Point, F	Min 180		T53
Ductility, 77F, 5CM/Min CM	Min 75		T51
Pen @ 77F	Min 40	Max 90	T49
Flash Point (C.O.C.F Min)	Min 425		T48
Solubility in Trichloroethylene	Min 97.5		T44

Full compensation for all work involved for this item, "~~Fog Seal Emulsion~~ **Chip Retention Oil**," shall be as specified in Section 9 of the Standard Specifications and these Special Provisions.

No adjustment to the Contract bid price will be made for any increase or decrease in the quantities of this item, "~~Fog Seal Emulsion~~ Chip Retention Oil," required. The provision in Section 4-1.03B, "Increased or Decreased Quantities," of the Standard Specifications shall not apply to this item of work.

END OF SECTION

PROPOSAL TO THE COUNTY OF SAN MATEO

**ROAD OIL APPLICATION IN CONJUNCTION WITH
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**TOTAL PROJECT APPROXIMATELY 50 MILES IN LENGTH
WITH APPURTENANT WORK THERETO IN
UNINCORPORATED SAN MATEO COUNTY**

**COUNTY PROJECT NO. RW936
PROJECT FILE NO. S5047**

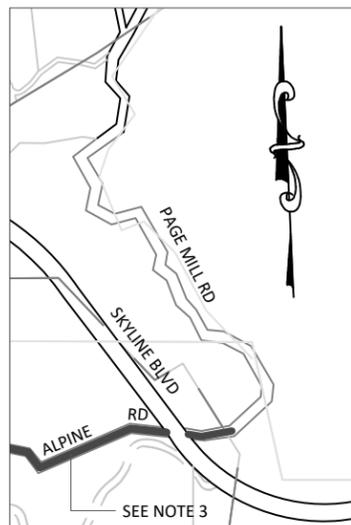
Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description	Item Price (In Figures)	Total (In Figures)
1	11	1	LS	Mobilization	\$	\$
2	37-1	975 <u>900</u>	TON	Rejuvenating Polymer Modified Asphaltic Emulsion	\$	\$
3	37-3	17,000	SY	Fog Seal Emulsion <u>Chip Retention Oil</u>	\$	\$
TOTAL						\$

Bids are required for the entire work. The amount of the bid for comparison purposes will be the total of all items. The total of unit basis items will be determined by extension of the item price bid on the basis of the estimated quantity set forth for the item.

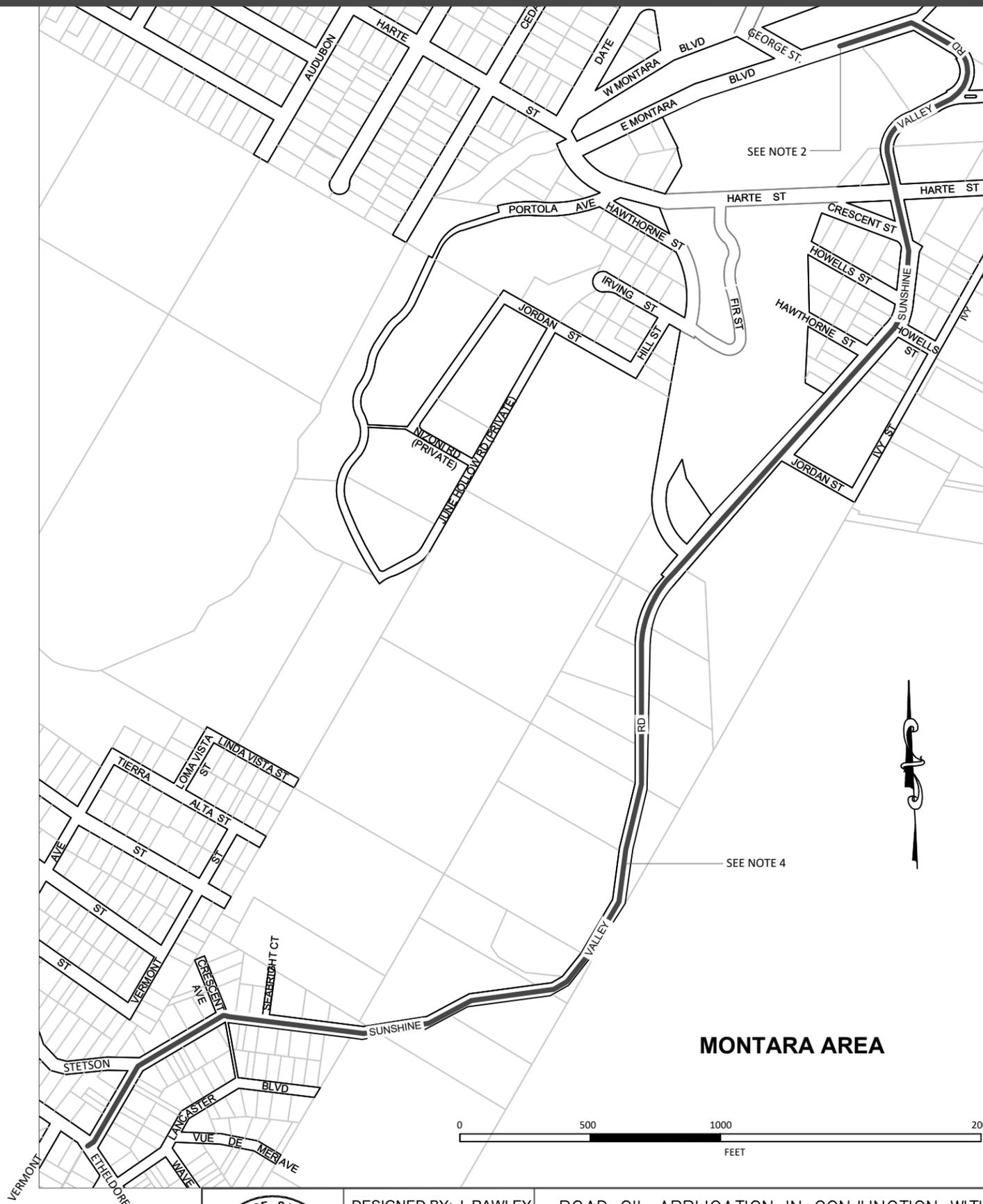
The Bidder shall set forth for each item of work, in clearly legible figures, an item price and a total for the item in the respective spaces provided for this purpose. In the case of unit basis items, the amount set forth under the "Total" column shall be the extension of the item price bid on the basis of the estimated quantity for the item.

In case of discrepancy between the item price and the total set forth for the item, the item price shall prevail, provided however, if the amount set forth as an item price is ambiguous, unintelligible or uncertain for any cause, or is omitted, or in the case of unit basis items, is the same amount as the entry in the "Total" column, then the amount set forth in the "Total" column for the item shall prevail in accordance with the following:

1. As to lump sum items, the amount set forth in the "Total" column shall be the item price.



PESCADERO AREA



MONTARA AREA



APPROVED:

DATE: MAY 27, 2022

Ann Mader Stillman

ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

NOTES:

1. WORK LIMITS SHOWN ARE APPROXIMATE ONLY AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR IN AGREEMENT WITH THE COUNTY PRIOR TO CONSTRUCTION.
2. LIMITS SHALL BE GOVERNED BY EXISTING SIGNAGE DELINEATING THE END OF SUNSHINE VALLEY RD AT GEORGE STREET.
3. SEE SHEETS 2 AND 3 FOR ALPINE ROAD WORK LIMITS.
4. SUNSHINE VALLEY RD SHALL RECEIVE A **CHIP RETENTION OIL** WHICH ENTAILS THE APPLICATION OF OIL BELOW AND ABOVE THE CHIP INSTALLATION. REFER TO TO CT SPEC 37-4 FOR DETAILS.

LEGEND:



— CHIP-SEAL LIMITS

1 ADDENDUM #1 DATED
JUNE 14, 2022



DESIGNED BY: J. RAWLEY
CHECKED BY: Z. AZZARI
DRAWN BY: J. RAWLEY

ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS
SAN MATEO COUNTY

ROAD OIL APPLICATION IN CONJUNCTION WITH THE COUNTY'S
2022 CHIP SEAL ROAD MAINTENANCE PROJECT
SUNSHINE VALLEY ROAD/PAGE MILL ROAD

555 COUNTY CENTER, 5TH FLOOR
REDWOOD CITY, CALIFORNIA 94063-1665

SCALE: SEE BAR
DATE: 05/27/22
FILE NO: 1/5047

13 (REV)
SHEET 13 OF 14

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