

PUBLIC WORKS DEPARTMENT
INITIAL STUDY OF
ENVIRONMENTAL SIGNIFICANCE

PROJECT NUMBER: 0672-6U2184
CP# 19-04

PROJECT NAME: 2019 Asphalt Rubber Cape Seal Project

PREPARED BY: Laura Cremin *AB*

DATE: February 20, 2019

APPROVED BY: *Ken B. Morena*

DATE: 3/5/2019

RECOMMENDATIONS:

- Categorical Exemption: 15301[Class C] Negative Declaration
- Environmental Impact Report Required Conditional Negative Declaration

The project will not have a significant effect on the environment. The recommendation is based on the following: The project consists of maintenance of existing street facilities involving no expansion of use beyond that previously existing, pursuant to section 15301(c) of the CEQA guidelines.

What changes to the project would mitigate the identified impacts: N/A

USGS Quad Sheet: Richmond, Mare Island, Benicia, Vine Hill, Honker Bay, Briones Valley, Walnut Creek	Base Map Sheet #: Multiple	Parcel #: N/A
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GENERAL CONSIDERATIONS:

- Location:** The Project is located within unincorporated areas of Contra Costa County, including: Bayview, Montalvin, Lafayette, Pleasant Hill, Concord, Clyde, and Bay Point (Figures 1-6). Attached is a list of the selected roadways where work will occur (Attachment 1).
- Project Description:** The purpose of this Project is to conduct preventative maintenance on selected roadways in unincorporated Contra Costa County. The Project will seal roadway surfaces to prevent water from seeping under the pavement and rapidly deteriorating the road, which would require more complex road repairs.

The Project consists of applying one or both of the following: an asphalt rubber cape seal covered with a type II slurry seal to the roadways. An asphalt rubber cape seal is a two method sealing/rehabilitation combination, consisting of an application of asphalt rubber binder and screenings pre-coated with paving asphalt, followed by an application of a slurry seal coat to provide a smooth finish. A slurry seal is a quick setting emulsified asphalt latex mixture. It consists of fine graded aggregate, a binder, and additives. It is used for sealing old or raveled pavements, filling minor cracks, sealing the surface to prevent moisture and air intrusion into the pavement, and improving skid resistance.

Preparation of the roadway (prior to applying the surface seal) includes but is not limited to removal of pavement striping and markings, weed removal, cleaning and sweeping roadway surfaces, applying surface treatments on the selected roadways, thermoplastic striping, and site cleanup. The Project may include crack sealing, pavement grinding, and pavement and base failure repair.

The Project will maintain the existing drainage pattern and will not create new impervious areas. Appropriate Best Management Practices (BMPs) will be implemented to protect storm drain inlets. No tree removal will be necessary. Tree and shrubbery trimming may be necessary throughout the project area. In order to minimize damage to trees, any roots exposed during construction activities will be clean cut.

Although some of the streets (e.g. Bay Point Area) slated for surface treatment fall within the East Contra Costa County Habitat Conservation Plan (HCP) Service Area, all work will occur within existing paved roadways classified by the HCP as "urban" Land Cover Type. This Land Cover Type is not subject to HCP conditions or fees.

Residential streets will be closed for approximately half a day in order to apply road surface treatments and to provide sufficient time for it to adhere to the road surface. Residents will be notified prior to any construction activities. "No Parking" signs will be posted the day before actual road surface treatment application. Emergency vehicles will have access at all times. Utility adjustments or relocation may be necessary in support of the Project. Although unlikely, real property transactions including right-of-way may be necessary in support of the Project.

- Does it appear that any feature of the project will generate significant public concern?**
 Yes No maybe (Nature of concern):
- Will the project require approval or permits by other than a County agency?**
 Yes No
- Is the project within the Sphere of Influence of any city?** Yes (Pinole, Pittsburg, Lafayette, Pleasant Hill, Concord)

CONTRA COSTA COUNTY CALIFORNIA

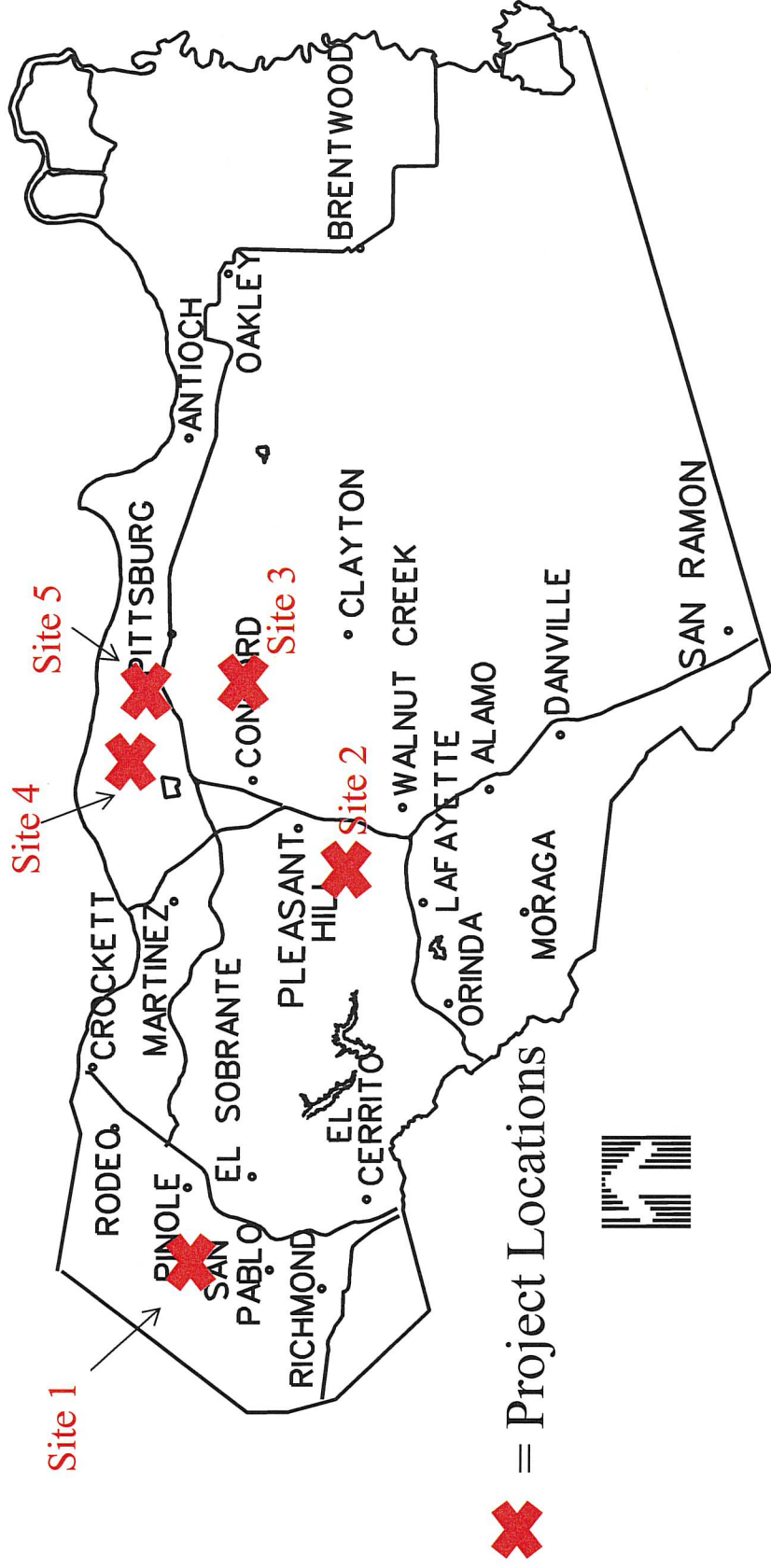


FIGURE 1: Regional Location Map

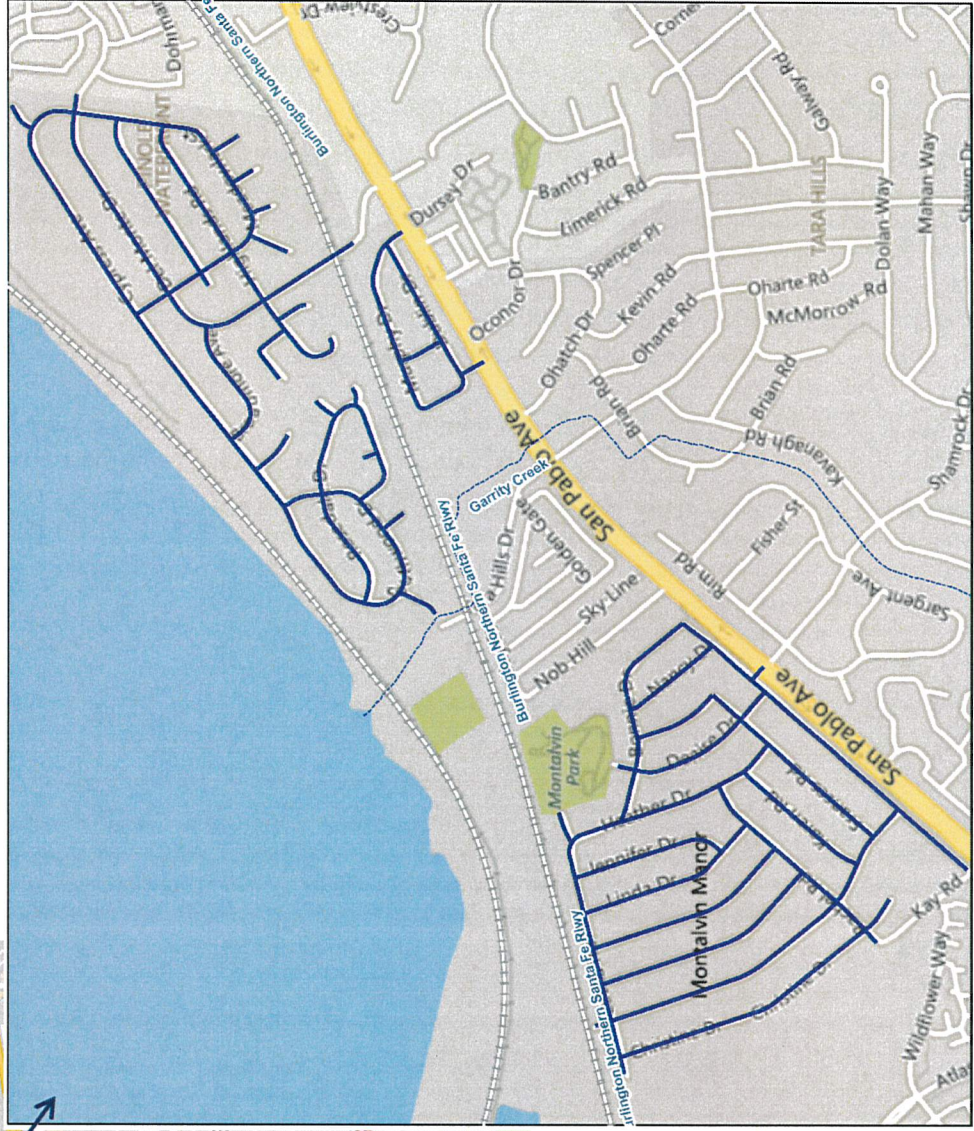
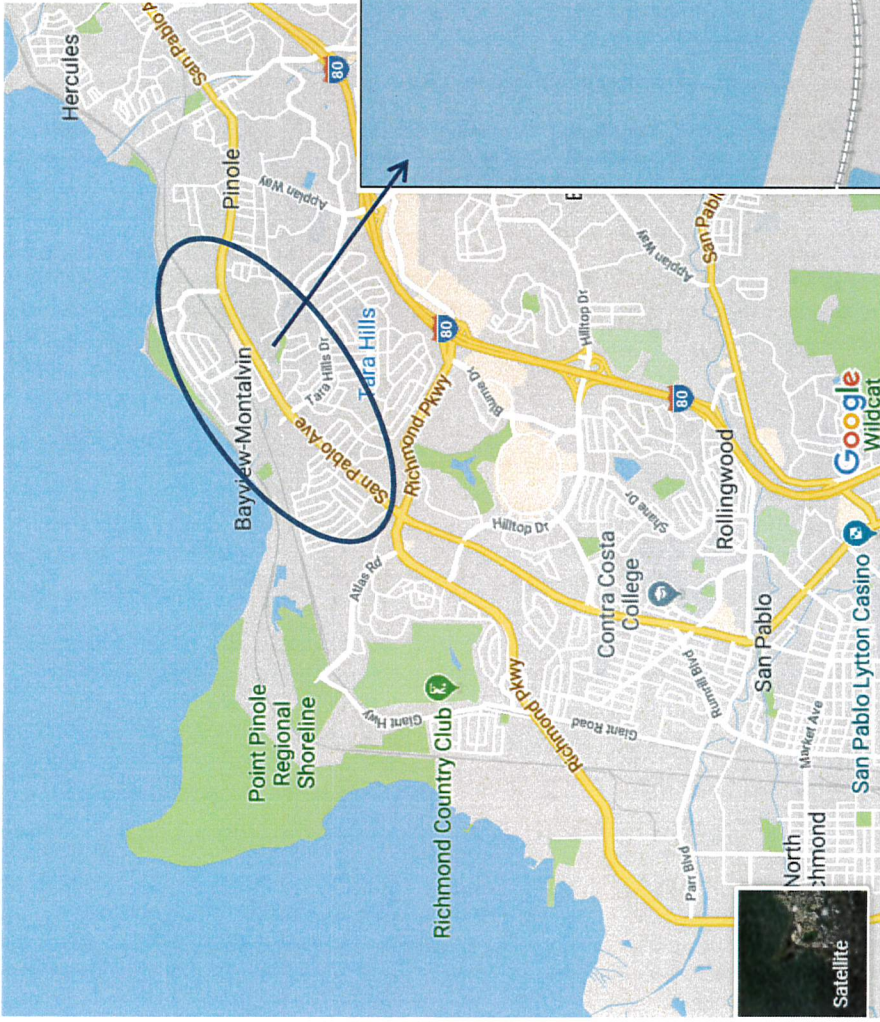


FIGURE 2: Site 1 Project Vicinity Map – Bayview and Montalvin

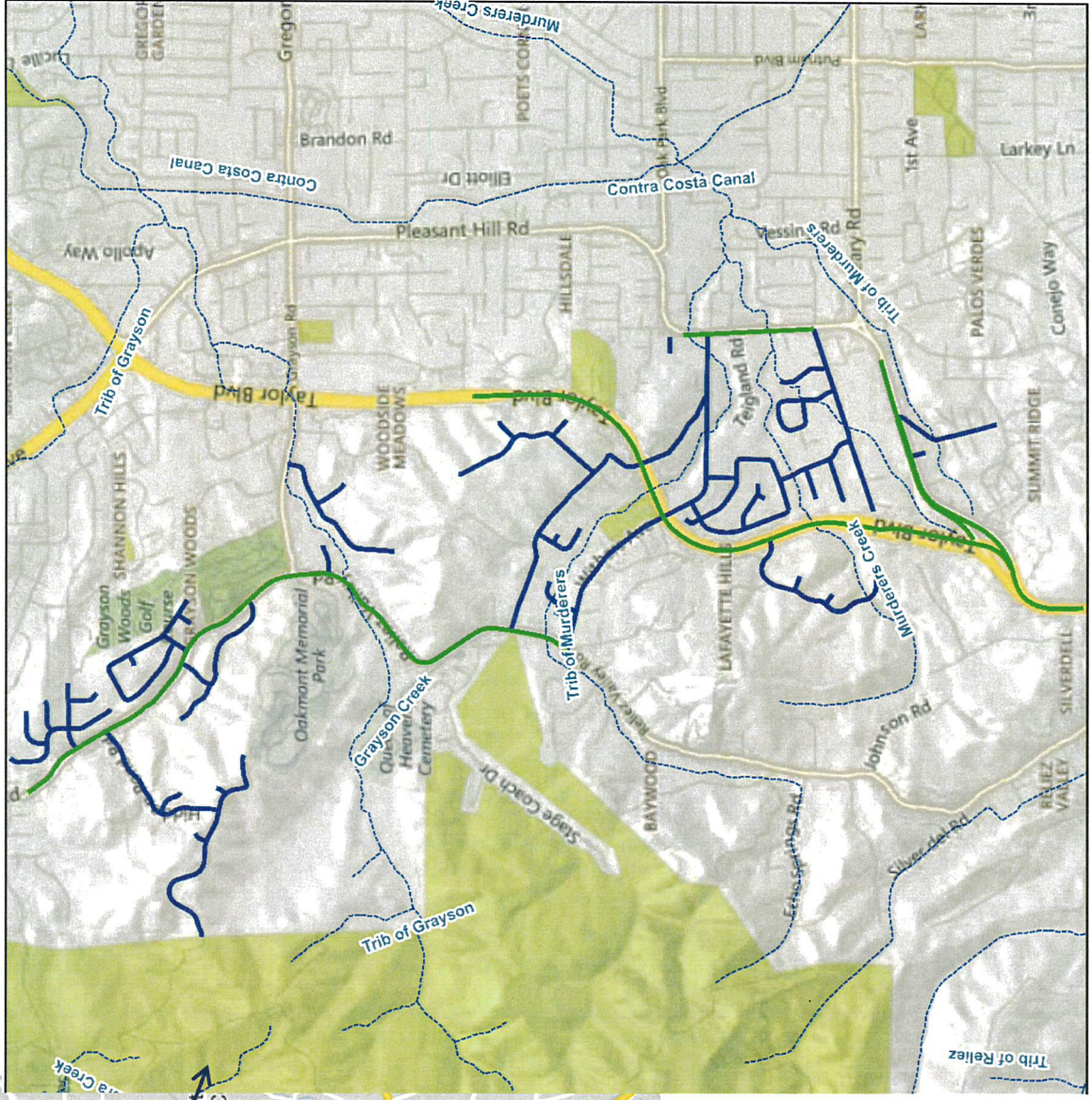
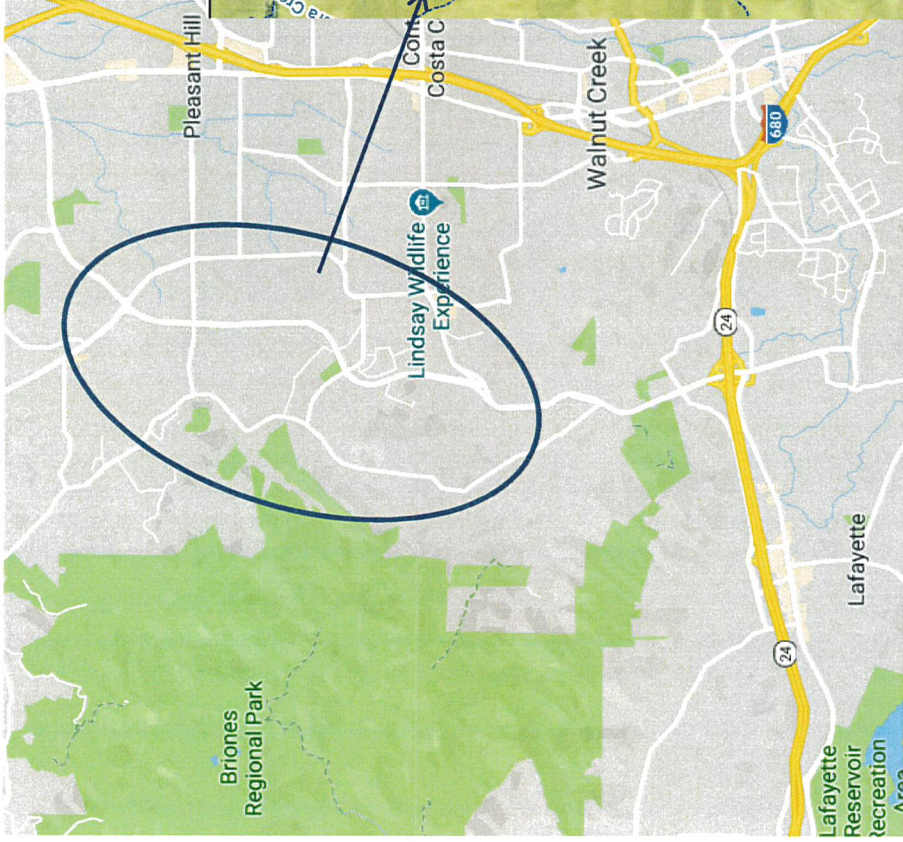


FIGURE 3: Site 2 Project Vicinity Map- Unincorporated Pleasant Hill and Lafayette

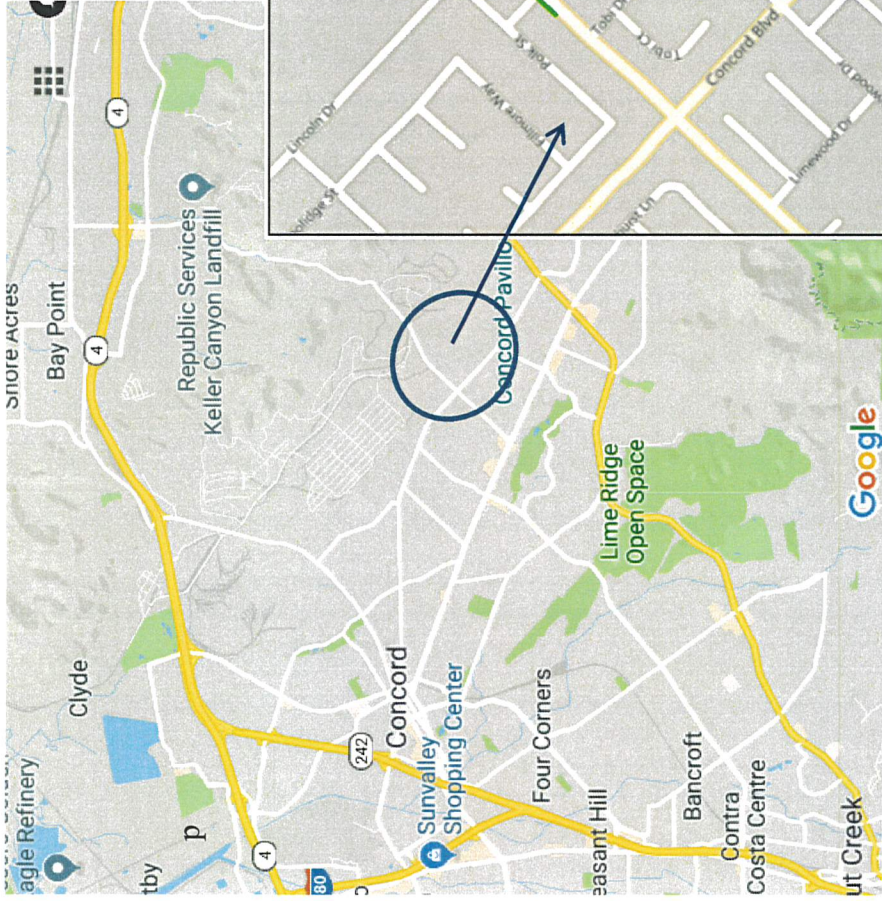


FIGURE 4: Site 3 Project Vicinity Map- Unincorporated Concord

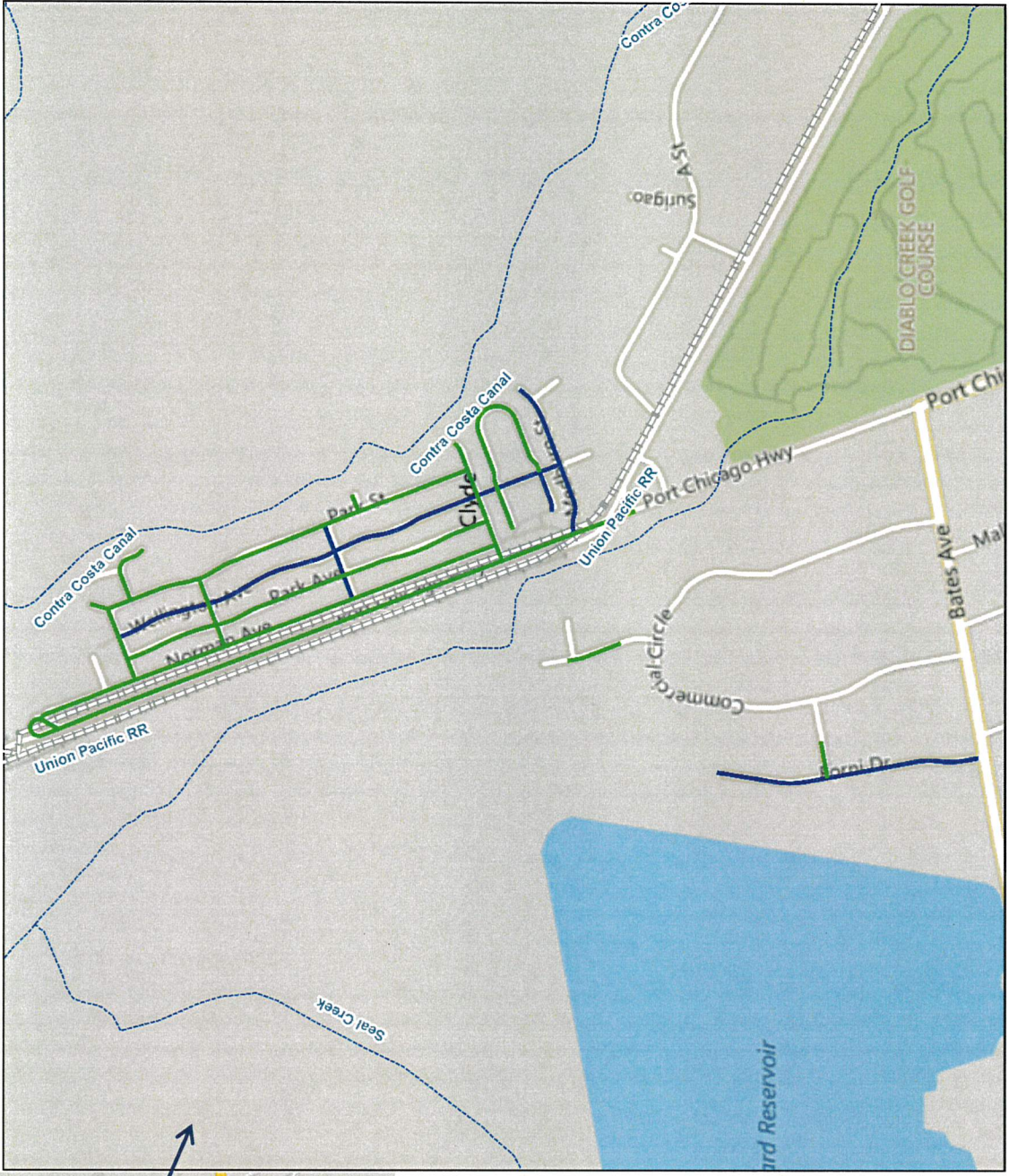
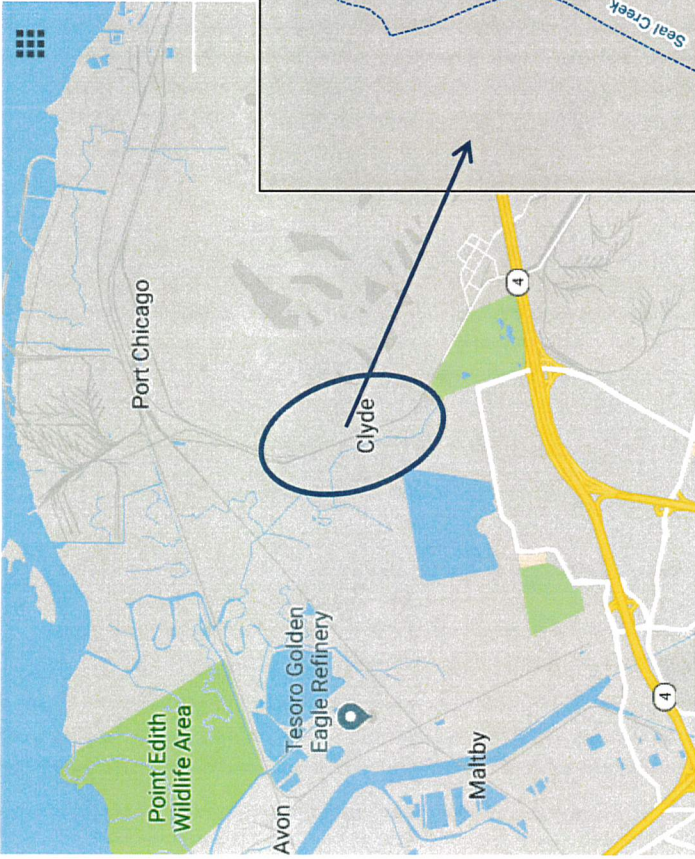


FIGURE 5: Site 4 Project Vicinity Map- Clyde

**2019 Surface Treatment Program
Bay View Area (Site 1)
Asphalt Rubber Cape Seal**

Street ID	Section ID	FC	Road Name	Begin Location	End Location	Width (ft)	Length (ft)	Area (sy)	Treatment Type
1 0975AA	0018	R	Broadmore Avenue	Del Monte Drive 0975AD	Cypress Avenue 0975W	33	950	3,483	2002 cape seal
2 0975AB	0026	R	Highlands Road	2323 Meadowlark Street 0975X	Del Monte Dr 0975AD	33	1,373	5,034	2002 cape seal
3 0975AB	0040	R	Highlands Road	Del Monte Drive 0975AD	End @ 2100 Highlands Road	29	739	2,381	2002 cape seal
4 0975AC	0007	R	Birch Court	Cypress Avenue 0975W	End @ 2144 Birch Court 0975AC	33	370	1,357	2002 cape seal
5 0975AD	0062	R	Del Monte Drive	Richmond CL	2366 Meadowlark Street 0975X	37	2,746	11,289	2002 cape seal
6 0975AE	0004	R	Bayside Court	Meadowlark Street	End @ 18 Bayside Court	33	211	774	2002 cape seal
7 0975AF	0003	R	Surfside Court	Meadowlark Street 0975X	end @ 6 Surfside Court	33	158	579	2002 slurry seal
8 0975AG	0006	R	Shore Haven Court	Meadowlark Street 0975X	end @ 112 Shorehaven Court	33	317	1,162	2002 cape seal
9 0975AH	0004	R	Oakmont Court	Meadowlark Street 0975X	End @ 32 Oakmont Court 0975AH	33	211	774	2002 overlay
10 0975AJ	0005	R	Cypress Court	Cypress Avenue 0975W	end @ 62 Cypress Court 0975AJ	28	264	821	2002 cape seal
11 0975AK	0030	R	Rosedale Drive	Southwood Drive 0975AL	Blackwood Court 0975AM	29	1,584	5,104	2002 cape seal
12 0975AL	0030	R	Southwood Drive	Cypress Avenue @ Rosedale	Cypress Avenue 0975W	33	1,584	5,808	2002 cape seal
13 0975AM	0015	R	Blackwood Drive	Southwood Drive 0975AL	Rosedale @ Blackwood Court	29	792	2,552	2002 cape seal
14 0975AN	0003	R	Blackwood Court	Blackwood Drive 0975AM	end @ 76 Blackwood Court	29	158	509	2002 slurry seal
15 0975AP	0003	R	Lea Court	Southwood Drive 0975AL	end @ 215 Lea Court	29	158	509	2002 overlay
16 0975AQ	0004	R	Salem Court	Rosedale Drive 0975AK	end @ 98 Salem Court	29	211	680	2002 cape seal
17 0975AR	0002	R	Manoa Court	Blackwood Drive 0975AM	end @ 58 Manoa Court	29	106	342	2002 slurry seal
18 0975AS	0005	R	Highlands Court	Highlands Road 0975AB	End @ 265 Highlands Ct 0975AS	29	264	851	2002 cape seal
19 0975AT	0010	R	Highlands Place	Highlands Road 0975AB	End @ 320 Highlands Pl 0975AT	29	528	1,701	2002 cape seal
20 0975AU	0005	R	Ashbrook Drive	Southwood Drive 0975AL	End @ Santa Fe Railway R/W	29	107	345	2002 cape seal
21 0975AW	0085	R	Cypress Avenue	Rosedale Drive 0975AK	Cypress Court 0975AJ	33	4,488	16,456	2002 cape seal
22 0975AX	0051	R	Meadowlark Street	Cypress Court 0975AJ	2233 Cypress Avenue 0975W	33	2,693	9,874	2002 cape seal
23 0975AY	0025	R	Greenwich Road	Greenwich Court 0975Z	2348 Meadowlark Street 0975X	33	1,320	4,840	2002 cape seal

**2019 Surface Treatment Program
Bay View Area (Site 1)
Asphalt Rubber Cape Seal**

Street ID	Section ID	FC	Road Name	Begin Location	End Location	Width (ft)	Length (ft)	Area (sy)	Treatment Type
1 0975AV	0002	R	Eire Drive - 0975AV	Murphy Drive 0975T	San Pablo Avenue 0971B	33	106	389	2012 Terminal Blend Cape Seal
2 0975T	0022	R	Murphy Drive - 0975T	San Pablo Avenue 0971B	East side 2010 Murphy Drive	33	1,162	4,261	2012 Terminal Blend Cape Seal
3 0975T	0034	R	Murphy Drive - 0975T	East side 2010 Murphy Drive	Dublin Drive 0975V	33	634	2,325	2012 Terminal Blend Cape Seal
4 0975V	0020	R	Dublin Drive - 0975V	Eire Drive @ Murphy Drive	Murphy Drive 0975T	29	1,056	3,403	2012 Terminal Blend Cape Seal
5 0975U	0006	R	O Rourke Drive - 0975U	Murphy Drive 0975T	Dublin Drive 0975V	29	317	1,021	2012 Terminal Blend Cape Seal
							Subtotal area =	11,398	sy
							Approximate additional knuckle pavement area =	200	sy
							Total area =	11,598	sy
							Estimated cost =	\$44,653	
							\$3.85/sy:		

**2019 Surface Treatment Program
Unincorporated Lafayette and Pleasant Hill Areas (Site 2)
Asphalt Rubber Cape Seal**

Street ID	Section ID	FC	Road Name	Beginning Location	Ending Location	Length (ft)	Width (ft)	Area (sy)	Treatment History	Bulb (cy)	Bulb Dia. (ft)
1	3465A	R	Silverhill Drive	Silverhill Way	Reliez Valley Road	1,373	29	4,424	2002 cape		
2	3465B	R	Silverhill Way	Silverhill Drive	Reliez Valley Road	475	29	1,531	2002 cape		
3	3465C	R	Silverhill Court	Silverhill Way	end @ 1153 Silverhill Court	686	29	2,210	2002 cape	259	76
4	3465D	C	Hidden Pond Road	Reliez Valley Road	Hidden Pond Lane	1,052	26	3,039	2002 cape		
5	3465D	C	Hidden Pond Road	Hidden Pond Lane	Sunrise Ridge Drive	1,162	29	3,744	2002 cape		
6	3465E	R	Sunrise Ridge Drive	end @ 1281 Sunrise Ridge Drive	end @ 1006 Sunrise Ridge Drive	3,300	32	11,733	2002 cape	392	72
7	3465F	R	Dana Highland Court	Hidden Pond Road	end	422	32	1,500	2002 cape	196	72
8	3465G	R	Julie Highlands Court	Sunrise Ridge Drive	end	158	32	562	2002 cape	196	72
9	3465H	R	Jennifer Highlands Ct	Sunrise Ridge Drive	end	211	32	750	2002 cape	196	72
10	3667AX	R	Theresa Lane	Reliez Valley Road	end	370	25	1,028	2002 overlay	188	65
11	3667BG	R	Del Rio Drive	Withers Avenue	Del Oceano Drive	1,584	33	5,808	2002 cape		
12	3667BH	R	Del Rio Court	Del Rio Drive	end @ 18 Del Rio Court	211	25	586	2002 overlay	188	65
13	3667BJ	R	Padre Street	Del Rio Drive	Del Este Street	739	25	2,053	2002 cape		
14	3667BJ	R	Padre Street	Del Este Street	Del Oceano Drive	317	33	1,162	2002 cape		
15	3667BK	R	Villa Court	Del Rio Drive	end @ 132 Villa Court	686	25	1,906	2002 cape	188	65
16	3667BL	R	Del Este Street	Withers Avenue	Padre Street	422	33	1,547	2002 cape		
17	3667BM	R	Del Centro Court	Villa Court	end @ 120 Del Centro Court	158	25	439	2002 cape	214	68
18	3667BN	R	La Playa Drive	Del Oceano Drive	Diablo View Road	1,109	33	4,066	2002 cape		
19	3667BP	R	Del Oceano Drive	Del Rio Drive	Padre Street	1,214	33	4,451	2002 cape		
20	3667BQ	R	Mohawk Drive	Grayson Road	2042 Mohawk Drive	898	37	3,692	2002 cape		
21	3667BQ	R	Mohawk Drive	2042 Mohawk Drive	End @ 1959 Mohawk Drive	1,267	29	4,083	2002 cape	159	65
22	3667BR	R	Iroquois Drive	Mohawk Drive	end @ 320 Iroquois Drive	475	33	1,742	2002 cape	130	65
23	3667BT	R	Surmont Drive	Gloria Terrace	end 3284 Surmont Drive	2,059	29	6,635	2002 cape	159	65
24	3667BU	R	Surmont Court	Surmont Drive	19 Surmont Court	317	29	1,021	2002 cape	159	65
25	3667BV	R	Smoketree Court	Pebble Beach Loop	end @ 10 Smoketree Court	158	29	509	2002 cape	159	65
26	3667BW	R	Pebble Beach Loop	Country Club Drive	Cherry Hills Drive	2,482	33	9,101	2002 cape		
27	3667BX	R	Cherry Hills Drive	County Club Drive	End @ 2420 Cherry Hills Drive	581	29	1,872	2002 cape	184	68

**2019 Surface Treatment Program
 Unincorporated Lafayette and Pleasant Hill Areas (Site 2)
 Asphalt Rubber Cape Seal**

Street ID	Section ID	FC	Road Name	Beginning Location	Ending Location	Length (ft)	Width (ft)	Area (sy)	Treatment History	Bulb (cy)	Bulb Dia. (ft)
28	3667BY	R	Cherry Hills Court	Cherry Hills Drive	End @ 12 Cherry Hills Court	211	29	680	2002 slurry	159	65
29	3667BZ	R	Country Club Drive	Reliez Valley Road	Cherry Hill Drive	370	33	1,357	2002 cape		
30	3667CA	R	Joplin Court	Hannibal Drive	end @ 10 Joplin Court	158	29	509		184	68
31	3667CB	R	Hannibal Drive	Withers Avenue	End @ 1912 Hannibal Dr	634	29	2,043	2002 cape	184	68
32	3667CC	R	Whitfield Court	end @ 25 Whitfield Court	P. Hill CL @ Cumberland Dr	370	29	1,192	2002 cape	159	65
33	3667CD	R	Brookwood Drive	Gloria Terrace	End @ 3214 Brookwood Dr	845	33	3,098	2002 cape	154	68
34	3667CE	R	Brookwood Court	Brookwood Drive	End @ 8 Brookwood Court	158	29	509	2002 slurry	184	68
35	3667CF	R	Francis Drive	Martinez CL @ 550 Francis Dr.	end @ 713 Francis Drive	1,901	29	6,125	2002 slurry	184	68
36	3667CG	R	Laird Lane	Francis Drive	end @ 627 Laird Lane	634	29	2,043	2002 slurry	184	68
37	3667CH	R	Wee Donegal	Donegal Way	end @ 708 Wee Donegal	423	29	1,363	2002 slurry	159	65
38	3667CJ	R	Donegal Way	Reliez Valley Road	north side 405 Donegal Way	950	37	3,906	2002 slurry		
39	3667CK	R	Byrdee Way	Francis Drive	end @ 655 Byrdee Way	475	29	1,531	2002 slurry	184	68
40	3667CL	R	La Playa Court	La Playa Drive	end	422	29	1,360	2002 cape	167	66
41	3667CM	R	Ramada Court	La Playa Drive	end @ 3164 Ramada Court	634	29	2,043	2002 cape	167	66
42	3667CN	R	Glen Oak Court	Diablo View Road	end @ 1674 Glen Oak Court	739	29	2,381	2002 cape	159	65
43	3667CP	R	Benthill Court	Surmont Drive	end @ 24 Benthill Court	317	29	1,021	2002 slurry	184	68
44	3667CQ	R	Greenhills Drive	Taylor Boulevard	Chaparal Lane	608	37	2,500	2002 slurry		
45	3667CQ	R	Greenhills Drive	Chapparal Lane	end @ 3300 Greenhills Drive	2,108	29	6,792	2002 slurry	184	68
46	3667CR	R	Ridgecrest Court	Greenhills Drive	end @ 80 Ridgecrest Court	320	19	676	2002 slurry		
47	3667CS	R	Crestview Court	Greenhills Drive	end @ 10 Crestview Court	226	29	728	2002 slurry	184	68
48	3667J	R	Gloria Terrace	Withers Avenue	Taylor Boulevard	1,320	22	3,227	2002 single chip		
49	3667J	C	Gloria Terrace	Taylor Boulevard	Brookwood Drive	1,848	24	4,928	2002 single chip		
50	3667J	C	Gloria Terrace	Brookwood Drive	3261 Gloria Terrace	370	24	987	2002 single chip		
51	3667J	C	Gloria Terrace	3261 Gloria Terrace	3287 Gloria Terrace	700	22	1,711	2002 single chip		
52	3667J	C	Gloria Terrace	3287 Gloria Terrace	Reliez Valley Road	317	30	1,057	2002 single chip		
53	3667T	R	Diablo View Road	Pleasant Hill Road	3123 Diabo View Road	1,109	33	4,066	2002 double chip		
54	3667T	R	Diablo View Road	3123 Diablo View Road	end in cul de sac	1,373	16	2,441	2002 double chip	303	70
55	3667U	R	Huston Road	Pleasant Hill Road	Holland Drive	1,478	22	3,613	2002 cape		

**2019 Surface Treatment Program
Clyde Area (Site 4)
Cape Seal**

Street ID	Section ID	FC	Road Name	Beginning Location	Ending Location	Length (ft)	Width (ft)	Area (sy)	Treatment History	Bulb (cy)	Bulb Dia. (ft)
1	4285B	R	Forni Drive	Bates Avenue	north side 5052 Forni Drive	1,742	45	8,710	2003 Cape Seal	0	0
2	4285C	R	Annalisa Drive	Forni Drive	east side 2501 Annalisa Drive	264	45	1,320	2002 Cape Seal	0	0
3	4285H	R	Dean Leshner Drive	Concord CL @ south lot line 2500 Dean Leshner Drive	End	370	45	1,850	No Maintenance History	0	0
4	4485A	R	Norman Avenue	Sussex Street	Port Chicago Highway	3,190	16	5,671	2002 Cape Seal	0	0
5	4485B	R	Park Avenue	Kilburn Street	Sussex Street	2,534	10	2,816	2002 Reconstruct (AC)	0	0
6	4485C	R	Wellington Avenue	Medburn Street	Wellington Court	528	30	1,760	2002 Cape Seal	0	0
7	4485C	R	Wellington Avenue	Wellington Court	Kilburn Street	2,640	16	4,693	2002 Cape Seal	0	0
8	4485D	R	Park Street	Kilburn Street	Sussex Street	2,534	16	4,505	2002 Cape Seal	0	0
9	4485E	R	Kilburn Street	Norman Avenue	Wellington Avenue	528	24	1,408	2002 Cape Seal	0	0
10	4485E	R	Kilburn Street	Wellington Avenue	Park Street	158	28	492	2002 Cape Seal	0	0
11	4485F	R	Middlesex Street	Wellington Avenue	Norman Avenue	410	24	1,093	2002 Cape Seal	0	0
12	4485G	R	Essex Street	Norman Avenue	Park Street	470	20	1,044	2002 Cape Seal	0	0
13	4485H	R	Sussex Street	Port Chicago Highway	End @ 237 Sussex Street	634	40	2,818	2002 Cape Seal	101	68
14	4485J	R	Medburn Street	Port Chicago Highway	east lot line 11 Army Ln.	995	40	4,422	2002 Cape Seal	0	0
15	4485Q	R	Highland Court	Park Street	End	422	28	1,313	2002 Cape Seal	192	68
16	4485M	R	Wellington Court	Wellington Avenue	End	293	32	1,042	2002 Cape Seal	162	68
17	4485N	R	Trafalgar Court	Wellington Avenue	End	1,103	32	3,922	2002 Cape Seal	162	68
18	4485P	R	Trafalgar Circle	Wellington Avenue	Wellington Avenue	1,162	36	4,648	2002 Cape Seal	0	0
19	4485S	R	Kilburn Court	Kilburn Street	End	158	32	562	2002 Cape Seal	162	68
20	4485T	R	Park Place Court	Park Street	End	132	32	469	No Maintenance History	162	68
21	4371	A	Port Chicago Highway	Naval Weapons Station gate	Sussex Street	1,020	33	3,740	2002 Double Chip	0	0
22	4371	A	Port Chicago Highway	Sussex Street	Kilburn Street	2,240	24	5,973	2002 Double Chip	0	0
23	4371	A	Port Chicago Highway	Kilburn Street	End	1,265	25	3,514	2002 Double Chip	0	0
						Total area =		67,785			
						Approximate additional cul-de-sac pavement area =		939	sy		
						Total area =		68,724			
						Estimated cost = \$7.75/sy:		\$532,611			

