

HCAOG 2022 REGIONAL TRANSPORTATION IMPROVEMENT PROGRAM (RTIP) – PROJECT CANDIDATE FORM

RTIP programming background:

If the project is on a State Highway, a Project Study Report (PSR) is required. If not, a PSR equivalent is required. The PSR equivalent at a minimum must be adequate to define and justify the project scope, cost and schedule. The PSR or PSR equivalent must be submitted with this programming request.

PSR equivalent is attached

Applicant Agency:

County of Humboldt

Project Title:

Surface Rehabilitation on Hubbard Lane (3K370 & 3K375).

Project Purpose: What transportation deficiency will this project address (safety, congestion, operations, plan implementation, etc.)? If a safety project, will the project reduce fatalities or number and severity of injuries?

Hubbard Lane is a vital connection between Myrtle Avenue and Harris Street in the urban area of Myrtle town Eureka. Current counts in the reach addressed by this project study report are approximately 5,500 vehicles per day.

The County has completed improvements to the intersection with Myrtle Avenue. A traffic signal was added, significant private development has occurred along Hubbard Lane, and increased use by public users make this an essential route for multiple users. HCSD has upgraded water mains which has left portion of good pavement and other sections that show excessive amounts of wear.

Project Location (community name, corridor, street name, etc.):

Hubbard Lane (3K370) from the westerly terminus (Post Mile 0.00) at Myrtle Avenue to the easterly terminus (Post Mile 0.27) at Harris Avenue.

Project Description:

This project consists of pavement surface rehabilitation on Hubbard Lane. This Project Study Report (PSR) establishes the schedule and budget for the preliminary design, project development, environmental documentation, and right of way, and construction needed to rehabilitate the asphalt surfacing on Hubbard Lane.

Is the project in the 2017 RTP?

No.

Are you requesting State only funding?

Yes.

If a rehabilitation project, is it located on a federal-aid eligible road (higher than a local or minor collector road)? Link to Caltrans maps: http://www.dot.ca.gov/hq/tsip/hseb/crs_maps

No.

Provide Project Component funding needs:

Project Component	Cost Estimate	STIP Funding Request	Other fund contribution	Allocation Schedule
Environmental Studies & Permits	\$5000	\$5000	\$	04/01/2023
Plans, Specifications & Estimates	\$54,000	\$54,000	\$	09/01/2024
Right of Way	\$5000	\$5000	\$	10/01/2024
Construction & CM	\$736,000	\$736,000	\$	04/01/2025
Total	\$800,000	\$800,000	\$	

Please describe any other relevant information about this project you feel will be useful in project selection. Additional attachments (i.e. maps, photos) may also be included with the submittal.

Project Study Report (PSR)

To

**Request Programming for Capital Support
for
Project Approval, Environmental Document, Right of
Way, and Construction in the 2021 STIP**

On Route: Hubbard Lane (3K370 & 3K375)
Between PM 0.00 and 0.27 (Myrtle Avenue and Harris Avenue)

APPROVAL RECOMMENDED:



Project Manager

APPROVED:

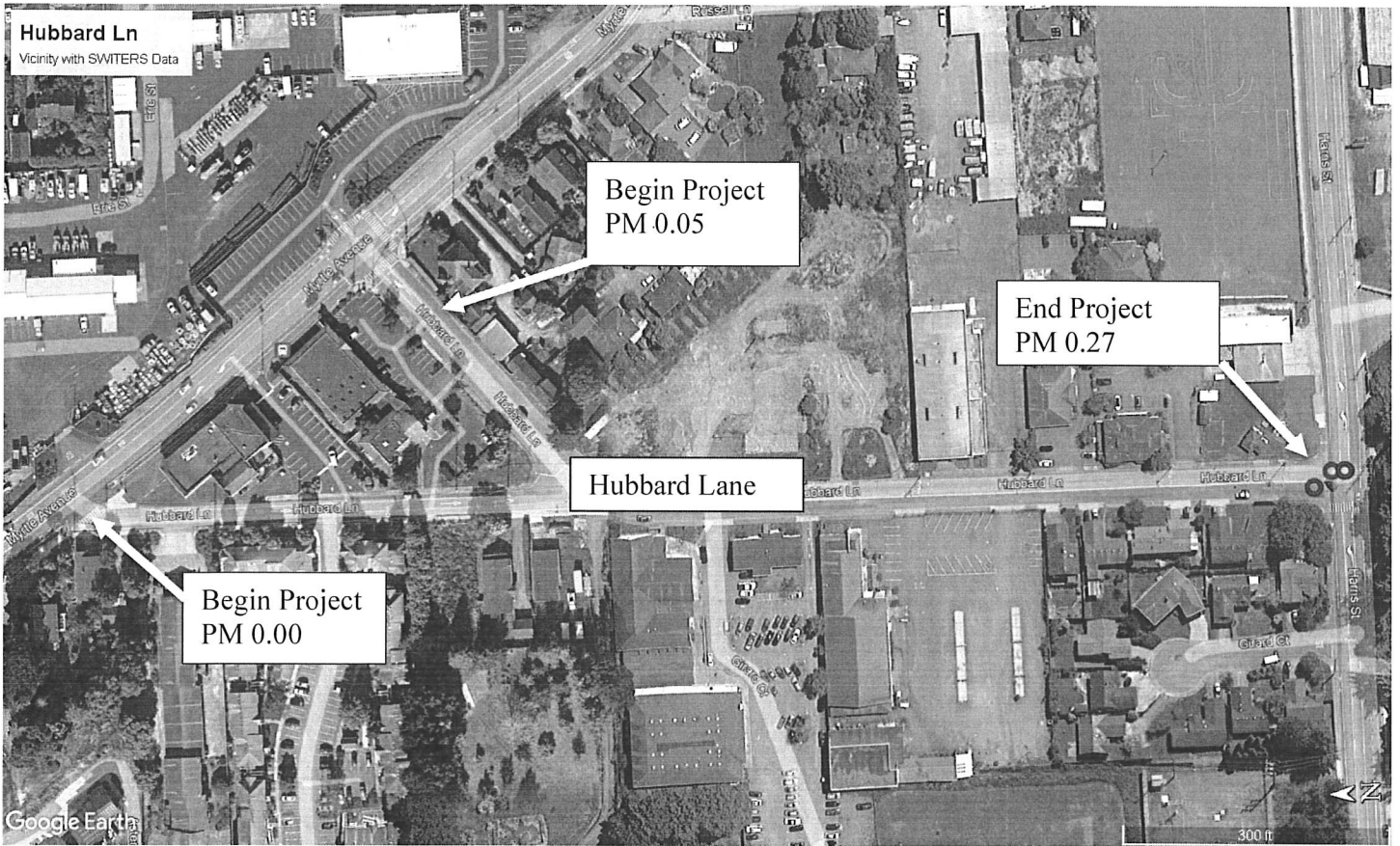


Public Works Director



Date

Vicinity Map



This project study report-project development support has been prepared under the direction of the following registered civil engineer. The registered civil engineer attests to the technical information contained herein and the engineering data upon which recommendations, conclusions, and decisions are based.

Tony Seghetti
Registered Civil Engineer

9/15/2021
Date



1. INTRODUCTION

Hubbard Lane (3K370) from the westerly terminus (Post Mile 0.00) at Myrtle Avenue to the easterly terminus (Post Mile 0.27) at Harris Avenue. This project consists of pavement surface rehabilitation on Hubbard Lane. This Project Study Report (PSR) establishes the schedule and budget for the preliminary design, project development, environmental documentation, and right of way, and construction needed to rehabilitate the asphalt surfacing on Hubbard Lane.

2. BACKGROUND

Hubbard Lane is a vital connection between Myrtle Avenue and Harris Street in the urban area of Myrtletowne Eureka. Current counts in the reach addressed by this project study report are approximately 5,500 vehicles per day.

3. PURPOSE AND NEED

The County has completed improvements to the intersection with Myrtle Avenue. A traffic signal was added, significant private development has occurred along Hubbard Lane, and increased use by public users make this an essential route for multiple users. HCSD has upgraded water mains which has left portion of good pavement and other sections that show excessive amounts of wear.

4. TRAFFIC ENGINEERING PERFORMANCE ASSESSMENT

Collision Analysis:

Collision summary – SWITRS (Attachment 2)

ADT of 5515 on October 13, 2016, at Post Mile 0.02 (Attachment 3)

Peak Period (Hourly) of 574 Veh/Hour at 07:36-08:35, October 13, 2016

5. DEFICIENCIES

Lane striping is worn out and does not meet current standards. Travel lanes have several areas with failed surfacing.

6. CORRIDOR AND SYSTEM COORDINATION

Coordination with road users, commuters, and emergency vehicles is necessary. Public notifications through various media, including radio, local newspaper, county website, and changeable message signs will be implemented once the project is advertised and awarded for construction.

7. ALTERNATIVES

A1: Full project: Overlay and grind out in specified areas, bike lane striping and markings, and minor drainage improvements. Note: All proposed work is expected to comply with current design standards

A2: Grind out and replace hot mix asphalt phase.

8. RIGHT-OF-WAY

Permanent and temporary easements will not be required for staging or stockpiling. All work will be within existing right of way. Large staging and stockpile areas are located at Ryan Slough and at Hubbard Lane.

Utilities such as water valves, gas valves, and communication vaults will need to be adjusted to final grade of overlay. Utility companies will be notified and coordinated with during the design phase and during construction.

9. STAKEHOLDER INVOLVEMENT

HCSO is the owner of the water system that runs within the county right of way with several valves and other related facilities. City of Eureka may have a separate water system in or near the county right of way. PG&E has underground gas system with valves and other underground facilities. Communication companies such as SuddenLink and AT&T may have underground and/or above ground fiber optics. Public road is used by commuters and emergency vehicles and is integral to the community.

10. ENVIRONMENTAL COMPLIANCE

The proposed project is in an urbanized area so impacts to the environment will be limited. The proposed project does not increase the capacity of the roadway.

Environmental documents will be prepared in compliance with the California Environmental Quality Act (CEQA). Preliminary indications are that this project qualifies for Categorical Exemption, but contingencies are in place to prepare Initial Study documentation as necessary.

11. FUNDING

This project seeks state only funding. The following is a summary of the estimate of project costs:

Environmental Studies	<u>\$ 5,000</u>
Design (PS&E) Phase	<u>\$ 54,000</u>
Right of Way	<u>\$ 5,000</u>
Construction Phase	<u>\$ 736,000</u>
Requested Allocation Total	<u>\$ 800,000</u>

12. DELIVERY SCHEDULE

This proposal seeks sufficient **state-only** funds to cover the project costs. The following is a tentative milestone schedule for the completion of the project:

Project Study Report Approved			12/31/21
Environmental Document	Document Type	CE	04/01/24
Design (PS&E) Complete			09/01/24
Right of Way Clearance			10/01/24
Construction			04/01/25

13. RISKS

Low Risk since the project complies with current standards.

14. EXTERNAL AGENCY COORDINATION

California Department of Transportation

15. PROJECT REVIEWS

Maintenance _____	Freshwater PW _____	Date _____
Project Manager _____	Engineering PW _____	Date _____
Constructability Review _____	Construction PW _____	Date _____

16. PROJECT PERSONNEL

Agency:	Humboldt County Department of Public Works
Contact Person:	Tony Seghetti
Phone No.:	(707) 445-7377
Address:	1106 Second Street Eureka, CA 95501

17. ATTACHMENTS (NUMBER OF PAGES)

Attachment 1	Cost Estimate (1)
Attachment 2	SWITRS Collision Mapping (1)
Attachment 3	Traffic Counts

ATTACHMENT 1 - COST ESTIMATE

HUMBOLDT COUNTY ~~ DEPARTMENT OF PUBLIC WORKS 2021 PSR PROJECT ESTIMATE OF COST

Project No.	RTIP PSR 2021	Date: 09/14/21
Description:	Hubbard Lane (3K370 & 3K375)	By: JAB
Contract No.	NA	Check:

ITEM NO.	ITEM CODE	P/L	ITEM DESCRIPTION	UNIT PAY	QUANTITY	UNIT PRICE	TOTAL
1	120090		CONSTRUCTION AREA SIGNS	LS	1	\$ 4,000.00	\$ 4,000
2	120100		TRAFFIC CONTROL SYSTEM	LS	1	\$ 40,000.00	\$ 40,000
3	130100		JOB SITE MANAGEMENT	LS	1	\$ 4,000.00	\$ 4,000
4	130200		PREPARE WATER POLLUTION CONTROL PROGRAM	LS	1	\$ 2,000.00	\$ 2,000
5	130620		TEMPORARY DRAINAGE INLET PROTECTION	EA	5	\$ 200.00	\$ 1,000
6	390132		HOT MIX ASPHALT (TYPE A)	TON	1,160	\$ 250.00	\$ 290,000
7	398200		COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	4,600	\$ 40.00	\$ 184,000
8	710208		ADJUST FRAME AND COVER TO GRADE	EA	20	\$ 2,000.00	\$ 40,000
9	840501		THERMOPLASTIC TRAFFIC STRIPE	LF	2,600	\$ 5.00	\$ 13,000
10	840515		THERMOPLASTIC PAVEMENT MARKING	SQFT	315	\$ 20.00	\$ 6,300
11	810230		PAVEMENT MARKER (RETROREFLECTIVE)	EA	5	\$ 20.00	\$ 100
12	999990		MOBILIZATION	LS	1	\$ 55,600.00	\$ 55,600

Construction	\$ 640,000
PE (10%)	\$ 64,000
CM(15%)	\$ 96,000
Total	\$ 800,000

01-Humboldt-0-CR
Hubbard Lane (3K370 & 3K375) 0.00-0.27
September 2021

ATTACHMENT 2 SWITRS COLLISION MAPPING



COLLISION DATA

COLLISION_DATE	PRIMARY_RD	SECONDARY_RD	DISTANCE	COLLISION_SEVERITY	NUMBER_KILLED	NUMBER_INJURED	TYPE_OF_COLLISION	LATITUDE	LONGITUDE
11/9/2017	HUBBARD LANE	HARRIS STREET	15	4	0	1	C	40.78051	-124.13051
5/21/2011	HUBBARD LN	HARRIS ST	48	4	0	1	E		
11/19/2015	HUBBARD LN	HARRIS ST	0	3	0	2	E	40.78046	-124.13054
12/3/2019	HUBBARD LN.	HARRIS ST.	0	3	0	2	D	40.78052139	-124.1303711

01-Humboldt-0-CR
Hubbard Lane (3K370 & 3K375) 0.00-0.27
September 2021

ATTACHMENT 3 TRAFFIC COUNTS

Weekly Volumes

Unit ID: Humboldt County DPW/26958
Location: Hubbard In. #3K370 pm.0.02

Week of 10/12/2016

Start Time	10/12 Wednesday		10/13 Thursday		10/14 Friday		10/15 Saturday		10/16 Sunday		10/17 Monday		10/18 Tuesday		Daily Average	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
00:00	-	-	7	4	2	9	15	17	15	21	9	4	9	7	10	10
01:00	-	-	8	2	6	5	14	18	15	10	6	3	5	2	9	7
02:00	-	-	4	5	4	3	15	10	6	4	2	3	1	7	5	5
03:00	-	-	2	2	4	3	10	6	7	9	7	3	4	3	6	4
04:00	-	-	5	8	8	8	2	10	5	5	7	6	11	15	6	9
05:00	-	-	21	19	22	14	7	15	6	9	24	13	20	22	17	15
06:00	-	-	75	55	41	49	17	12	13	14	58	54	66	48	45	39
07:00	0	0	136	208	144	169	54	34	42	39	124	175	92	171	85	114
08:00	0	0	270	252	206	210	81	68	91	62	222	227	199	209	153	147
09:00	0	0	149	73	157	166	108	113	112	119	145	154	154	163	118	113
10:00	142	180	171	182	194	200	121	123	119	166	166	184	136	180	150	174
11:00	193	191	192	183	214	199	145	138	129	165	187	194	162	177	175	178
12:00	225	200	190	199	206	225	131	131	146	163	200	198	153	200	179	188
13:00	188	226	181	200	198	189	137	123	141	149	212	209	170	197	175	185
14:00	190	203	211	235	207	234	154	149	130	150	205	221	226	211	189	200
15:00	267	244	215	223	206	222	127	124	136	122	231	226	225	235	201	199
16:00	250	249	242	212	233	202	128	137	152	162	234	206	240	230	211	200
17:00	234	222	244	240	186	228	146	137	135	124	227	235	235	230	201	202
18:00	183	173	148	137	134	115	128	98	113	94	171	156	165	159	149	133
19:00	131	98	135	110	102	80	68	68	83	83	116	104	124	90	108	90
20:00	94	86	87	73	99	95	83	63	47	73	57	52	91	78	80	74
21:00	51	37	52	57	66	49	63	68	42	30	58	43	61	43	56	47
22:00	29	31	32	32	46	36	43	57	22	13	30	18	29	28	33	31
23:00	13	12	17	10	34	37	32	28	22	18	16	15	17	25	22	21
Lane Total	2190	2152	2794	2721	2719	2747	1829	1747	1729	1804	2714	2703	2595	2730	2383	2385
Day Total		4342		5515		5466		3576		3533		5417		5325		4768
AM Peak	10:54	10:44	07:50	07:36	07:38	07:34	10:48	10:44	10:54	10:04	07:50	07:36	08:09	07:31	11:00	11:00
AM Count	198	201	276	315	224	246	150	142	130	172	244	255	213	258	175	178
PM Peak	16:34	16:20	16:27	16:35	16:04	14:21	13:40	13:52	12:45	12:25	16:34	16:39	16:35	15:37	16:00	17:00
PM Count	275	261	267	256	239	251	160	148	153	179	267	246	269	252	211	202

Weekly Volumes

Unit ID: Humboldt County DPW/26958
Location: Hubbard In. #3K370 pm.0.02

Week of 10/19/2016

Start Time	10/19 Wednesday		10/20 Thursday		10/21 Friday		10/22 Saturday		10/23 Sunday		10/24 Monday		10/25 Tuesday		Daily Average	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
00:00	8	4	-	-	-	-	-	-	-	-	-	-	-	-	8	4
01:00	6	5	-	-	-	-	-	-	-	-	-	-	-	-	6	5
02:00	2	4	-	-	-	-	-	-	-	-	-	-	-	-	2	4
03:00	3	5	-	-	-	-	-	-	-	-	-	-	-	-	3	5
04:00	15	13	-	-	-	-	-	-	-	-	-	-	-	-	15	13
05:00	26	22	-	-	-	-	-	-	-	-	-	-	-	-	26	22
06:00	61	52	-	-	-	-	-	-	-	-	-	-	-	-	61	52
07:00	143	181	-	-	-	-	-	-	-	-	-	-	-	-	143	181
08:00	267	216	-	-	-	-	-	-	-	-	-	-	-	-	267	216
09:00	16	19	-	-	-	-	-	-	-	-	-	-	-	-	16	19
10:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
11:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
12:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
13:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
14:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
15:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
16:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
17:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
18:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
19:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
20:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
21:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
22:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
23:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0
Lane Total	547	521	-	-	-	-	-	-	-	-	-	-	-	-	547	521
Day Total		1068	-	-	-	-	-	-	-	-	-	-	-	-	1068	
AM Peak	07:57	07:26	-	-	-	-	-	-	-	-	-	-	-	-	08:00	08:00
AM Count	271	256	-	-	-	-	-	-	-	-	-	-	-	-	267	216
PM Peak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	00:00	00:00
PM Count	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0