VVTA RFP 2025-07 PROFESSIONAL ENGINEERING SERVICES FOR BUILDING MODIFICATIONS FOR HYDROGEN FUEL CELL BUSES
ADDENDUM NO. 2

Thursday, May 1, 2025

The following questions were posed prior to the deadline on Friday, April 25, 2025, as well as the answers from VVTA Staff:

Q1: "Attachment A – Scope of Work states that VVTA is seeking the evaluation of not only its maintenance facility, but also the fuel island, steam bay and bus wash. However the scope of work also notes that the purpose of the project is to upgrade the facility for NFPA2 'major repair'. Is VVTA seeking to analyze the fuel island, steam bay, and bus wash areas? Or just the maintenance building with nine (9) repair bays?"

A1: VVTA is seeking to also analyze the fuel island, steam bay, and bus wash areas for compliance, as well as the maintenance building.

Q2: **"**Schedule mentions 190-day performance period. Is this working days, or calendar days?"

A2: 190 Calendar Days, however, the actual time will be negotiated with the awarded contractor.

Q3: **"**Will there be any formal review sets between Schematic Design and Issue for Permit (assumed to be 90%)"

A3: Awarded Contractor shall submit Schematic Design, 50%, 90% drawings for review.

Q4: **"**On page 22, last paragraph of number 2 mentions that 'VVTA is in contract to add a Hydrogen Fueling Station with 2 H2 dispensers being placed at VVTA's current fuel island located on the north-west side of the facility.' *Question: Will we be getting design and schedule information for this project?"*

A4: Please see Exhibit 1 attached to this addendum.

Q5: **"**Page 24, item 8 a lists the codes/standards. The list is missing the California Existing Building Code. *Question: Has the project alteration level been assessed? Can we confirm the assumption to be Level 3 as changes to life safety equipment are happening throughout?"*

A5: The Codes and standards mentioned on page 24, item 8 are not limited to the list mentioned, if additional codes and standards need to be considered then it is the responsibility of the consultant to meet all required codes and standards.

The project alteration level has not been assessed and is the responsibility of the consultant to assess the appropriate level.

Q6: **"**Page 25, item 8 d vi lists a 'Separate Hydrogen defueling assembly/station.' *Question: Can we assume this is to be located outdoors?"*

A6: Yes, this is to be located outdoors.

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Q7: **"**As part of the project there will be changes required for the existing fire alarm system. Depending on the project schedule and the age of the current system, a suggested scope add might be to update parts of the system that are being modified. *Question: How old is the existing Fire Alarm System (from devices to fire alarm control panel)?"*
A7: Installed in 2011.

Q8: **"**Are 190 calendar days or business days?"
A8: See A-2 above

Q9: "Can the notes and attendees from preproposal be shared with us?"
A9: The Preproposal Conference sign in sheet is attached as Exhibit 2. Questions posed and answers given from the job walk are incorporated into this document, as well.

Q10: **"***I – Format of proposal, 1,j, ii 'Proposer must list all services, equipment, and facilities that the proposer has provided and/or operated under contract during the past five (5) years. Include company name, address, phone number, and contact." Could VVTA please clarify whether this applies only to relevant work, or to all work (Interested Proposer) has completed over the past five years?*
A10: Work relevant to this project.

Q11: **"**Scope A, 8, d, iv - Architectural considerations, such as low or high spots where fugitive gas or vapor may accumulate or concentrate *Are there areas where VVTA has concerns or doubts around low / high spots? (would have been nice to listen to pre-proposal) If so where?"*
A11: There are areas that VVTA has concerns about potential risk for fugitive gas or vapor accumulation that include, but not limited to, this example:

Areas such as this will need to be assessed by the awarded contractor.

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Q12: **"**Are you requesting a full SF330 to be completed in addition to the written proposal contents requested or if only SF330 sections E & F?"
A12: On the form sections where the information is included in the proposal, please make note of the Proposal page number on form SF330.

Q13: "The RFP mentions adding two hydrogen dispensers. Can you confirm the status and timeline of their design or installation? This affects how we coordinate layout, ventilation, and hazard zones in our design."
A13: See A-4 above

Q14: "Can VVTA share the expected number of FCEBs this facility will support, either initially or in the future? This helps determine design capacity for gas detection system, ventilation system sizing, etc."
A14: Initially 13 FCEBs, in total VVTA expects to convert its entire fleet of 74 Fixed Route and Commuter buses, with the possibility of further converting its paratransit fleet of approximately 43 to FCEB in the future when the technology becomes available.

Q15: "Will the facility remain operational during construction?"
A15: Yes

Q16: "Attachment A, item v. requires an Air Balance Test Report for the existing ventilation system. Is this required to be provided by the consultant? If yes, does TAB report need to be performed by NEBB or TABB certified professional? Are there operational constraints for when this work could be done?"
A16: Yes, the TAB report is required to be provided by the awarded contractor and must be conducted by a properly certified professional. The facility operates 24/7 and testing will need to be coordinated with VVTA staff to ensure minimum impact to daily operations.

Q17: Will VVTA provide as-built documents of existing facilities?
A17: The As-Build drawings are located here:
https://www.dropbox.com/scl/fo/ffltmzv9sqok06k4g0n8w/ACoEZ8l4_hYRKePypKchf4E?rlkey=zonaqok4m22i4pzv9s7b5lfr1&e=2&st=ew47hgoq&dl=0

Q18: Are existing facilities protected by automatic fire sprinkler systems? Do fire pumps currently exist on site serving these systems?
A18: Yes, existing facilities are protected by automatic fire sprinkler systems, and fire pumps currently exist on site for both wet and dry systems.

Q19: "Is the 190-day performance period intended to be inclusive of the Bidding and Award of Construction Contract, the Construction Support Services, and the As Built Documentation indicated in Attachment A Scope of Work? As written, the scope of work does not indicate the Consultant as having direct control over these timeframes."
A19: See A-2 above

Q20: "Under 'I. Format of Proposals', sub item 'j. Summary of Contracted Services', please clarify Item II. Per our reading, this seems to indicate that proposing Consultant must

disclose ALL design services provided under contract for the past five years. For a multidisciplinary engineering firm with global offices, this could be quite lengthy and consist of many items not immediately relevant to transit, facilities, or hydrogen fueling. Can the requested scope of requested information be narrowed?"

A20: See A-10 above

Q21: Provide clarification between Item 12, a, ii, indicated in the Scope of Work and Item 16, c indicated in the Scope of Work. There seems to be a conflict between the Consultant's and the Constructor's responsibilities for obtaining the construction permits.

A21: This will be the responsibility of the awarded contractor.

Q22: Is there a current gas detection system in the steam bay, wash bay and fuel island?

A22: No, currently there is not a gas detection system.

Q23: Can we get pictures of the current exhaust fans in the buildings?

A23: Yes, see below:

Q24: Do you want h2 detection everywhere in the maintenance building?

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A24: The building needs to be up to code to ensure that FCEBs can be maintained in every bay.

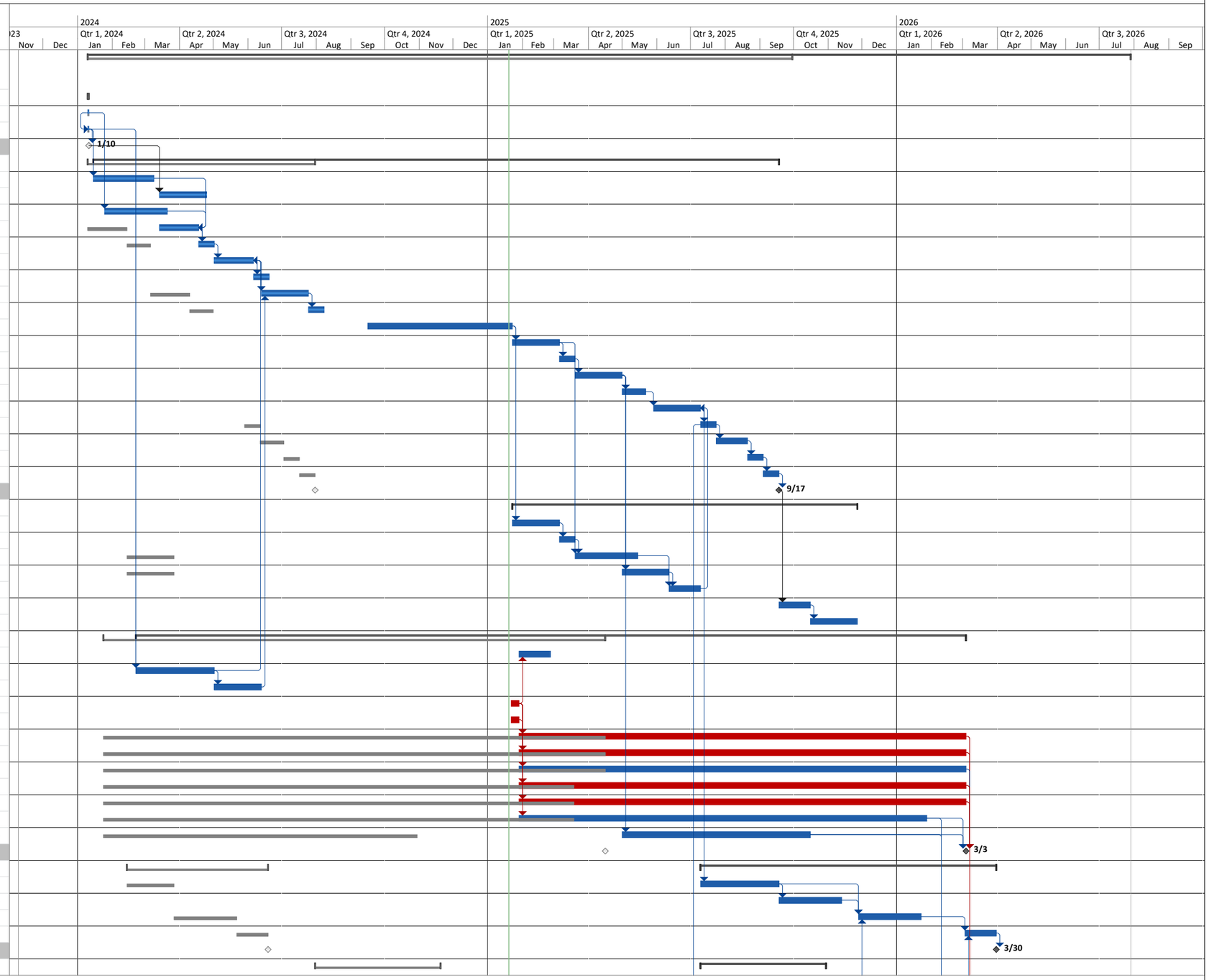
Q25: Does the current gas detection system have a backup battery?
A25: Currently, we do not have a backup battery system in place; however, we do have a backup generator. The Awarded Contractor shall be responsible for providing all applicable code requirements and must include the installation of the backup battery system as part of their proposal if required.

Q26: Does VVTA want to integrate the H2 detection into its existing gas detection system?
A26: The Awarded Contractor shall evaluate the existing gas detection system to determine the possible re-use of all or portions of the system. The Consultant shall design additional new hydrogen detection and flame detection systems compatible with the use of FCEBs, in addition to any gas detection systems as needed.

Q27: **“**The submission requirement stated that "Sealed original proposal plus one (1) electronic copy, OR via www.publicpurchase.com, must be received at the address shown in “Proposal Schedule” (Section A) not later than the deadline". I would like to confirm that submitting via PublicPurchase alone is sufficient, and that we are not required to drop off a sealed original copy if we choose the electronic submission option.”
A27: Proposers are encouraged to submit their proposal packages through Publicpurchase.com. The only original document required is the non-collusion affidavit. While the copy of the document is to be included in the proposal package – the original must be received by VVTA within 5 business days after the proposals are due.

CA Hesperia Smoke Street, VVTA LH2 construction schedule

ID	Task Name	Duration	Start	Finish
1	**CA Hesperia, VVTA LH2 refuel station construction schedule**	**665 days**	**Wed 1/10/24**	**Tue 7/28/26**
2	**Start Project**	**1 day**	**Wed 1/10/24**	**Wed 1/10/24**
3	Notice to Proceed	1 day	Wed 1/10/24	Wed 1/10/24
4	Design Kick-Off Meeting	1 day	Wed 1/10/24	Wed 1/10/24
5	Milestone - Start Project Complete	0 days	Wed 1/10/24	Wed 1/10/24
6	**Design**	**438 days**	**Mon 1/15/24**	**Wed 9/17/25**
7	Survey	8 wks	Mon 1/15/24	Fri 3/8/24
8	Geotechnical	6 wks	Thu 3/14/24	Wed 4/24/24
9	Preliminary Equipment Submittals	8 wks	Thu 1/25/24	Wed 3/20/24
10	Develop 30% Drawings	5 wks	Thu 3/14/24	Wed 4/17/24
11	Review 30% Drawings	2 wks	Thu 4/18/24	Wed 5/1/24
12	Develop 30% Per Alternate Layout	5 wks	Thu 5/2/24	Wed 6/5/24
13	Review 30% Per Alternate Layout	2 wks	Thu 6/6/24	Wed 6/19/24
14	Develop 60% Drawings (Phase A)	6 wks	Thu 6/13/24	Wed 7/24/24
15	Review 60% Drawings (Phase A)	2 wks	Thu 7/25/24	Wed 8/7/24
16	Determine Alternate Equipment Supply	93 days	Mon 9/16/24	Wed 1/22/25
17	Develop Preliminary Layout/30% (Phase B)	30 days	Thu 1/23/25	Wed 3/5/25
18	Review Preliminary Layout 30% (Phase B)	10 days	Thu 3/6/25	Wed 3/19/25
19	Develop 60% Drawings (Phase B)	6 wks	Thu 3/20/25	Wed 4/30/25
20	Review 60% Drawings (Phase B)	3 wks	Thu 5/1/25	Wed 5/21/25
21	Develop 90% Drawings	6 wks	Thu 5/29/25	Wed 7/9/25
22	Review 90% Drawings	2 wks	Thu 7/10/25	Wed 7/23/25
23	Finalize Drawings	4 wks	Thu 7/24/25	Wed 8/20/25
24	Submit Drawings for Engineering review	2 wks	Thu 8/21/25	Wed 9/3/25
25	Finalize Engineered Stamped Drawings	2 wks	Thu 9/4/25	Wed 9/17/25
26	Milestone - Design Complete	0 days	Wed 9/17/25	Wed 9/17/25
27	**Safety Planning**	**220 days**	**Thu 1/23/25**	**Wed 11/26/25**
28	Develop Safety Plan	6 wks	Thu 1/23/25	Wed 3/5/25
29	Safety Plan Internal Review	2 wks	Thu 3/6/25	Wed 3/19/25
30	HSP Safety Review	8 wks	Thu 3/20/25	Wed 5/14/25
31	Site HAZOP Review	6 wks	Thu 5/1/25	Wed 6/11/25
32	Implement HAZOP and HSP Comments to Design	4 wks	Thu 6/12/25	Wed 7/9/25
33	Develop Final Safety Plan	4 wks	Thu 9/18/25	Wed 10/15/25
34	Final HSP Safety Plan Review	6 wks	Thu 10/16/25	Wed 11/26/25
35	**Equipment Purchase / Manufacture**	**529 days**	**Thu 2/22/24**	**Tue 3/3/26**
36	Submittals - Air Liquid	4 wks	Wed 1/29/25	Tue 2/25/25
37	Submittals - ANGI Preliminary Information	10 wks	Thu 2/22/24	Wed 5/1/24
38	Submittals - ANGI	6 wks	Thu 5/2/24	Wed 6/12/24
39	Issue Purchase Order to Air Liquide	1 wk	Wed 1/22/25	Tue 1/28/25
40	Issue Purchase Order to Taylor Wharton	1 wk	Wed 1/22/25	Tue 1/28/25
41	Liquid Storage Tank	57 wks	Wed 1/29/25	Tue 3/3/26
42	Pumps and Vaporizers	57 wks	Wed 1/29/25	Tue 3/3/26
43	Compressor	57 wks	Wed 1/29/25	Tue 3/3/26
44	GH2 Bar Storage Vessels	57 wks	Wed 1/29/25	Tue 3/3/26
45	Hydrogen Dispensers	57 wks	Wed 1/29/25	Tue 3/3/26
46	Electrical Gear	52 wks	Wed 1/29/25	Tue 1/27/26
47	Minor Equipment	24 wks	Thu 5/1/25	Wed 10/15/25
48	Milestone - Equipment Purchase & Manufacture	0 days	Tue 3/3/26	Tue 3/3/26
49	**Upgrade Utilities**	**188 days**	**Thu 7/10/25**	**Mon 3/30/26**
50	Apply for Electrical Service	10 wks	Thu 7/10/25	Wed 9/17/25
51	Obtain approval of easement encroachment	8 wks	Thu 9/18/25	Wed 11/12/25
52	Coordinate Electric Upgrade	8 wks	Fri 11/28/25	Thu 1/22/26
53	Coordinate Installation of Meter	4 wks	Tue 3/3/26	Mon 3/30/26
54	Milestone - Utilities Complete	0 days	Mon 3/30/26	Mon 3/30/26
55	**Permitting & Contractor Selection**	**80 days**	**Thu 7/10/25**	**Wed 10/29/25**

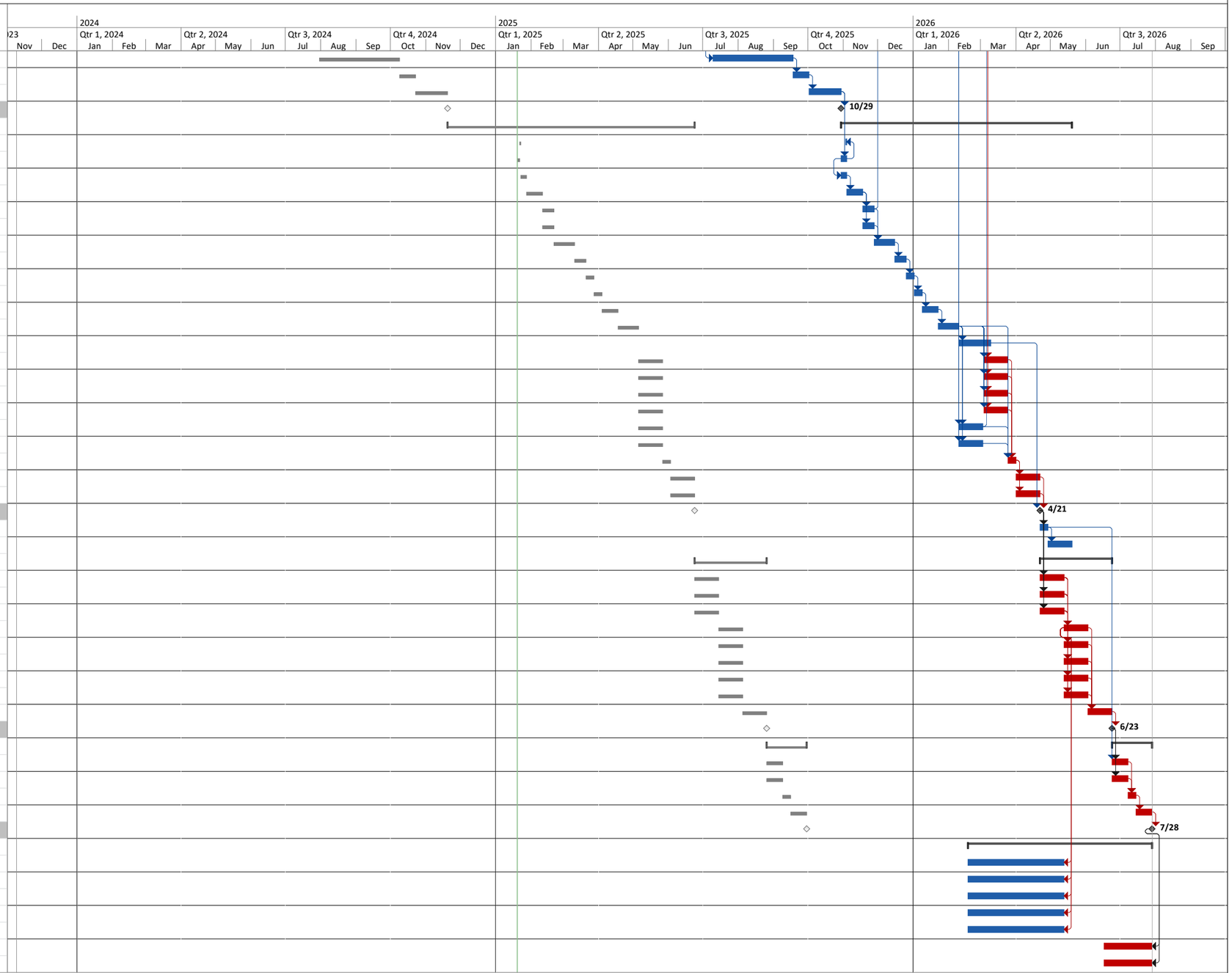


Project: Standard, Project Schedu
Date: Mon 1/20/25

Task · Split · Milestone · Summary · Project Summary · External Tasks · External Milestone · Inactive Task · Inactive Milestone · Inactive Summary · Manual Task · Duration-only · Manual Summary Rollup · Manual Summary · Start-only · Finish-only · Deadline · Critical · Critical Split · Baseline · Baseline Milestone · Baseline Summary · Progress

CA Hesperia Smoke Street, VVTA LH2 construction schedule

ID	Task Name	Duration	Start	Finish
56	Submit Plans for Permitting	10 wks	Thu 7/10/25	Wed 9/17/25
57	Update Permit drawings	2 wks	Thu 9/18/25	Wed 10/1/25
58	Receive Building Permits	4 wks	Thu 10/2/25	Wed 10/29/25
59	Milestone - Permitting Complete	0 days	Wed 10/29/25	Wed 10/29/25
60	**Hydrogen Fueling Station Construction**	**144 days**	**Thu 10/30/25**	**Tue 5/19/26**
61	Preconstruction meeting	1 day	Mon 11/3/25	Mon 11/3/25
62	Mobilization	3 days	Thu 10/30/25	Mon 11/3/25
63	Layout site	3 days	Thu 10/30/25	Mon 11/3/25
64	Excavation / Trenching / Utilities	10 days	Tue 11/4/25	Mon 11/17/25
65	Install underground conduit	8 days	Tue 11/18/25	Thu 11/27/25
66	Install underground piping	8 days	Tue 11/18/25	Thu 11/27/25
67	Grade site and Install Base Material	12 days	Fri 11/28/25	Mon 12/15/25
68	Stub-ups at Foundations	8 days	Tue 12/16/25	Thu 12/25/25
69	Form Foundations	5 days	Fri 12/26/25	Thu 1/1/26
70	Backfill and Finish Grading	5 days	Fri 1/2/26	Thu 1/8/26
71	Pour Foundation	10 days	Fri 1/9/26	Thu 1/22/26
72	Cure Foundations	12 days	Fri 1/23/26	Mon 2/9/26
73	CMU Wall Construction	20 days	Tue 2/10/26	Mon 3/9/26
74	Set Liquid Storage Tank	15 days	Wed 3/4/26	Tue 3/24/26
75	Set Pumps and Vaporizers	15 days	Wed 3/4/26	Tue 3/24/26
76	Set HP Storage Vessels	15 days	Wed 3/4/26	Tue 3/24/26
77	Install Dispenser	15 days	Wed 3/4/26	Tue 3/24/26
78	Install Electrical Gear	15 days	Tue 2/10/26	Mon 3/2/26
79	Install Minor Equipment	15 days	Tue 2/10/26	Mon 3/2/26
80	Anchor Equipment	5 days	Wed 3/25/26	Tue 3/31/26
81	Pull electrical wiring to equipment	15 days	Wed 4/1/26	Tue 4/21/26
82	Install above ground piping	15 days	Wed 4/1/26	Tue 4/21/26
83	Milestone - Construction Complete	0 days	Tue 4/21/26	Tue 4/21/26
84	Construction Punch List Creation	1 wk	Wed 4/22/26	Tue 4/28/26
85	Construction Punch List Completion	3 wks	Wed 4/29/26	Tue 5/19/26
86	**Station Commissioning and Training**	**45 days**	**Wed 4/22/26**	**Tue 6/23/26**
87	Electrical terminations	3 wks	Wed 4/22/26	Tue 5/12/26
88	Install Networking Equipment	3 wks	Wed 4/22/26	Tue 5/12/26
89	Install Transaction Management	3 wks	Wed 4/22/26	Tue 5/12/26
90	Commission Liquid Storage Tank	3 wks	Wed 5/13/26	Tue 6/2/26
91	Commission Pumps and Vaporizers	3 wks	Wed 5/13/26	Tue 6/2/26
92	Commission Dispensers	3 wks	Wed 5/13/26	Tue 6/2/26
93	Commission Electrical Gear	3 wks	Wed 5/13/26	Tue 6/2/26
94	Commission Minor Equipment	3 wks	Wed 5/13/26	Tue 6/2/26
95	Training on Equipment and Station	3 wks	Wed 6/3/26	Tue 6/23/26
96	Milestone - Station Commissioned	0 days	Tue 6/23/26	Tue 6/23/26
97	**Building/ AHJ Inspection & Training**	**25 days**	**Wed 6/24/26**	**Tue 7/28/26**
98	District Inspections	2 wks	Wed 6/24/26	Tue 7/7/26
99	Fire Department Inspections	2 wks	Wed 6/24/26	Tue 7/7/26
100	Punch List creation and completion	1 wk	Wed 7/8/26	Tue 7/14/26
101	Receive Final Permit to Operate	2 wks	Wed 7/15/26	Tue 7/28/26
102	Milestone - Station Complete	0 days	Tue 7/28/26	Tue 7/28/26
103	**Commission and Closeout Documentation**	**115 days**	**Wed 2/18/26**	**Tue 7/28/26**
104	Operational and Manitenance Documentation Submission	60 days	Wed 2/18/26	Wed 5/13/26
105	Operation and Maintenance Plan	60 days	Wed 2/18/26	Wed 5/13/26
106	Commissioning Plan Submission and Review	60 days	Wed 2/18/26	Wed 5/13/26
107	Commissioning Procedure Submission and Review	60 days	Wed 2/18/26	Wed 5/13/26
108	Training Plan and Presentation	60 days	Wed 2/18/26	Wed 5/13/26
109	Equipment As-builts Submission	30 days	Wed 6/17/26	Tue 7/28/26
110	Station as-built submission	30 days	Wed 6/17/26	Tue 7/28/26



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