

QUESTIONS & RESPONSES #05
CONTRACT NUMBER: 071908
RFP/RFQ TITLE: Thorne Road Off Dock Container Yard
CONTACT: Michelle Walker, Procurement Analyst
EMAIL: procurement@portoftacoma.com
PHONE NUMBER: 253-888-4744
QUESTIONS DUE DATE: Thursday, October 9, 2025, @ 2:00 PM (PDT)
Q&A ISSUE DATE: October 21, 2025

#	Question	Answer	Question #	Responsible for Answer	Date Received
1	. Can you tell me where to find the railroad work?	The rail work is located on plan sheets C2.01, C2.08, C3.10, C3.11, WO-06 and WO-13. All specifications and details are included on these sheets. All materials must meet Buy America requirements as noted in Section 00 11 13 Special Conditions.	Email	Norman	09/16/25
2	Are there CAD files available? Vendor wants the grading and the level afterwards.	Yes-If you would like a copy of the CAD files for grading on this project, please fill out Disclaimer Form attached to Notification 01 and email to procurement@portoftacoma.com	Q-003157	Norman	09/17/25
3	Please provide locations for the 8" and 12" Bollards. They are not shown on the site plans.	The 12 inch bollards are at each fire hydrant on site. The 8 inch bollards are at the entry gate.	Q-003175	Norman	09/22/25
4	The 10'-0" traffic barrier called out in the plans are very uncommon in this area. Would the Port consider a 12'-6" barrier instead that are currently available?	This is an acceptable substitution	Q-003173	Norman	09/22/25
5	Section 01 50 00 - Temporary Facilities and Controls This section refers to contractor providing 6' high construction fence around the construction site. Does contractor have to provide temporary construction fencing around the construction site?	Contractor is to provide 6ft high fence as stated in Section 01 50 00.	Q-003172	Norman	09/22/25
6	Section 01 50 00 - Temporary Facilities and Controls This section refers to temporary field offices and yards. Are field offices for the Port required on this project?	If Contractor chooses to provide a field office then it is to meet the requirements of Section 01 50 00 1.07.	Q-003171	Norman	09/22/25
7	The bid item for clearing is 2 acres, however the plans show nearly 8.0 acres. Please clarify.	Clearing is counted for the wooded area. The gravel areas are not counted	Q-003170	Norman	09/22/25
8	Please indicate where the HDPE is to be installed.	Several pipes on sheet 4.01 are HDPE in differing sizes, HDPE liner is in the biofiltrations sheet C5.21	Q-003166	Norman	09/18/25
9	The soils report is calling for a minimum 2' import fill over the entire site. There is not a bid item for any import fill. Please provide clarification if this fill is going to be required. If so, please provide bid item and specification for the import material.	The imported fill is to replace unsuitable materials in the wetland area. This is incorporated in earthworks quantity.	Q-003163	Norman	09/18/25
10	All questions pertain to trackwork. Reference drawing C3.10--Two track sizes are called out in this drawing (115RE head hardened and 136RE), which is required for installation?	115RE	Q-003161	Norman	09/18/25
11	All questions pertain to trackwork. What is the total length of track that will be replaced? Drawings do not call out the length of the railroad crossing. Acknowledge 15ft beyond crossing will be replaced.	290 TF	Q-003161	Norman	09/18/25
12	All questions pertain to trackwork. Drawing C3.10 calls out drilling for the rail section but note 1 calls for rail to be welded. Which method of joint is preferred?	Track shall be welded without bolted connections within construction limits. Connection to existing rail shall be bolted.	Q-003161	Norman	09/18/25
13	All questions pertain to trackwork. How far should the asphalt approaches on either side of the crossing be removed and relaced?	The existing crossing is not being replaced. Please respond with the location you are referencing.	Q-003161	Norman	09/18/25
14	The Details for the Bollards C@.13 Detail 2 and 3 are missing from the plan sheets.	Details for 8" and 12" Bollards are on sheet C4.06 details 1 and 3 respectively.	Q-003159	Norman	09/18/25
15	The DJC specifies the bid date as 10/15/2025 at 2:00 PM and the Thorne Rd Off Dock spec book specifies it as 10/16/2025 at 2:00 PM. Which is the correct bid date?	2:00 P.M. on October 16, 2025 in the Manual & website is the correct date.	Q-003176	Michelle	09/22/25
16	Bid Item numbers 15 and 40 are both PAVEMENT MARKINGS - 1 LS. Please advise.	Pavement markings deleted from project scope per Addendum 01	Q-003178	Norman	09/23/25
17	Please provide details (i.e. dimensions, thickness, reinforcement, etc) for concrete pad under guard shelter.	Guard shelter foundation to be constructed as specified by the fabricator	Q-003180	Norman	09/23/25
18	The paving details on C3.11 calls for a 3" Min. ACP Surface Course of HMA Cl. 3/4" PG 58V-22 material and a 7" Min. HMA Cl. 1" PG 58V-22 material base course. This paving section has failed to hold up on past projects at the Port. It is recommended that the paving section be all HMA Cl. 1/2" PG 58V-22 material. This material will last much longer than the specified paving section and is currently being used as the material of choice on most of the projects around the port of Tacoma.	Paving section is being updated Addendum 01	Q-003186	Norman	09/23/25
19	Please clarify the required height for the wood utility poles. Sheet E60 and E62 specify 95ft Class 2 poles, whereas Sheet S1.01 indicates 104ft poles.	The Poles are to be 95ft class 2	Q-003210	Norman	09/26/25
20	Regarding Sheet E70, the specified loading for Vault TPUPV1 is 125KIP. We would like to inquire whether this requirement is mandatory, or if a standard vault that adheres to TPU standards would be considered an acceptable alternative.	Vault must be rated for 125KIP and meet TPU standards.	Q-003211	Norman	09/26/25
21	Please provide specification and model for the reefer wash equipment enclosure shown on Sheet C2.09. There is currently not enough information to bid this enclosure.	The enclosure is a standard 40ft shipping container	Q-003219	Norman	09/29/25

QUESTIONS & RESPONSES #05
CONTRACT NUMBER: 071908
RFP/Rfq TITLE: Thorne Road Off Dock Container Yard
CONTACT: Michelle Walker, Procurement Analyst
EMAIL: procurement@portoftacoma.com
PHONE NUMBER: 253-888-4744
QUESTIONS DUE DATE: Thursday, October 9, 2025, @ 2:00 PM (PDT)
Q&A ISSUE DATE: October 21, 2025

22	S1.01 80' Light Pole Foundation Detail: I have bid and been awarded POT projects using this detail in the past and it is not constructable as drawn. - oversized augered shaft with CMP creates voids around the CMP that cannot be filled or compacted - CSTC cannot be placed, compacted and tested at the bottom of the hole Would the port consider updating the detail to indicate a drilled shaft with steel sleeve to remain in place and wood pole setting on undisturbed earth?	Contractor may propose and alternate installation for approval during submittals	Q-003232	Norman	09/30/25
23	Please clarify if the Port is requiring contractors to carry insurance coverage for Technology Professional Liability Errors and Omissions. If so, clarify coverage limits.	Addendum 02-removes this clause from SECTION 00 73 16 - Insurance Requirements	Q-003233	Sara	10/01/25
24	01 20 00 - Item #6 references measurement and payment by the TN. The bid schedule references measurement and payment by the CY. Please clarify.	Measurement and payment is for 17,500 Ton. Revised bid form will be included in Addendum 02.	Q-003234	Norman	10/01/25
25	Will the contractor be required to carry USL&H insurance?	No	Q-003235	Sara	10/01/25
26	Please clarify the contract duration.	Section 00 52 00 – Agreement Form i. Contract Time: Begins at execution of Contract. Substantial Completion of the entire Work not later than 310 days from contract execution.	Q-003236	Michelle	10/01/25
27	Please clarify if 40-hour HAZWOPER is required for the crew. If so, what scopes of work will require 40-hour HAZWOPER training?	Refer to Section 01 35 29 - Health, Safety, and Emergency Response Procedures for guidance on HAZWOPER requirements.	Q-003237	Norman	10/01/25
28	Please clarify the existing asphalt depth(s).	Existing pavement depth is unknown. Assume 3 inch thick	Q-003238	Norman	10/01/25
29	Please indicate the size of the bollards shown on Sheet E30. Please provide detail for removable bollards shown on Sheet E30.	Removable bollard shall be 8 inch dia per added detail on sheet C4.06. Revised sheet C4.06 will be included in Addendum 02. Also note that electrical enclosure bollard details are revised.	Q-003241	Norman	10/01/25
30	On plan sheet E30 (86 or 105), it appears steel bollards with channel railing are detailed along the perimeter of the substation layout. Removable bollards are also detailed at each end of the layout. Please provide details indicating the bollard size & length. Also please provide details for the removable bollards, as there is no detail provided on sheet C4.06.	See response to question #29.	Q-003242	Norman	10/01/25
31	Specification section 33 11 00 - water filtration systems, provides details and instruction of what is required for the self-contained, manual wash and water treatment system. Could the port recommend or provide potential manufactures/suppliers of the assembled system?	Specification is performative. Bidder shall submit qualified products	Q-003243	Norman	10/01/25
32	Regarding the Quonset Hut enclosure: Please confirm if one end of the enclosure is enclosed or both ends are open. If one end is enclosed, are the 2 high containers also installed at the enclosed end? Also, please confirm if containers are to be painted per the paint specification 09 90 00 - Painting and Coatings.	Rear end of enclosure to be closed. Quonset Hut supplier to determine if containers are needed to close rear. Port has no preference. Containers to be painted the same color per industry standard for shipping containers. Painting does not have to meet Section 09 90 00 - Painting and Coatings.	Q-003244	Norman	10/01/25
33	Note 1 on sheet C3.10 states "Rail within and extending 15 feet beyond crossing shall be replaced with 136RE Rail with no joints." The existing rail on Thorne Road is 115RE. The connection between the 115RE and 136RE will be less than 15 feet from the pedestrian crossing. Does this joint need to be welded, or is a bolted connection with compromise joint bars allowable?	All trackwork shall be 115RE rail. The terminal ends of new rail shall be bolted. Not joints shall be installed within the crossing itself	Q-003245	Norman	10/01/25
34	Drawing C2.08 states "All track outages are subject to the approval of Tacoma Rail" What are the anticipated outage durations that Tacoma Rail will allow for this work? Along with the railroad work, there are also utilities to be installed which will require additional time. Since there are two tracks in this area, can one track be taken out of service for a long duration and then have the work switch to the other track?	Track outage lengths are to be determined by the Contractor in coordination with Tacoma Rail. It is understood that there will be a multiple day outage	Q-003246	Norman	10/01/25
35	Due to multiple LS bid items can the bid submission date be extended? Preferably by 2-weeks.	Addendum 02 will extend Bid date to October 24, 2025 @ 2:00 PM	Q-003248	Michelle	10/01/25
36	What color should the Contractor supplied containers be painted?	Contractor to supply a standard color selection at time of submittal. Port will select from standard colors.	Q-003248	Norman	10/01/25
37	Bid item number 13 is for Course Aggregate Base. The specifications do not show a gradation for Course Aggregate Base. What material is supposed to be used for this bid item?	Part 2, Coarse aggregate shall conform to WSDOT Standard Specification Section 9-03.8, as modified: Coarse Aggregate Angularity (AASHTO T 335) 90% with 2 or more fractured faces	Q-003249	Norman	10/01/25
38	Spec. section 333000 lists two type of pipe, ductile iron and C900 PVC. Plan sheet C4.01 calls out the sewer pipe as 6" HDPE SS ASTM D3034 SDR 35. Is it your intent that the pump discharge pipe be DR11 HDPE pipe and the inlet gravity sewer be D3034 SDR 35 PVC? Neither of these materials are specified in spec. section 333000.	The discharge pipe is to be DR 11 HDPE, the gravity sewer pipe shall be DR 17 HDPE	Q-003251	Norman	10/02/25
39	Detail B, plan sheet C4.05 calls for a check valve outside the sump pump manhole - will you please provide a spec. for this valve?	6" Flap-Type Check Valve for Sanitary Sewer Service. Assembly shall be flanged, AWWA C518 Standard with DI body.	Q-003252	Norman	10/02/25
40	Detail B, plan sheet C4.05 calls for a manhole frame and dual cover - will you please provide a spec. for this hatch? Do you want fall protection?	Detail is for two covers, one over the stairs and one on the pump. Both shall have watersafe seal and rated for on Port property use	Q-003253	Norman	10/02/25
41	Detail B, plan sheet C4.05 - will you please provide the base elevation for Manhole #1 and #2. We need these to calculate discharge pipe height.	The invert in is listed in the detail, sheet C4.05. The minimum sump shall be 2ft or higher as required for performance of submitted pump characteristics.	Q-003254	Norman	10/02/25

QUESTIONS & RESPONSES #05
CONTRACT NUMBER: 071908
RFP/RFQ TITLE: Thorne Road Off Dock Container Yard
CONTACT: Michelle Walker, Procurement Analyst
EMAIL: procurement@portoftacoma.com
PHONE NUMBER: 253-888-4744
QUESTIONS DUE DATE: Thursday, October 9, 2025, @ 2:00 PM (PDT)
Q&A ISSUE DATE: October 21, 2025

42	Plan sheet C4.01 - 6" drain pipe is called out at 6" HDPE SD ASTM D3034 SDR 35. Is it your intent that the contractor has the option to choose between the two different type of pipe?	See response to question #38	Q-003255	Norman	10/02/25
43	Plan sheet C5.02, C5.03, C5.04 - will you please clarify which bid item the TESC materials should be included in?	TESC is integral to the lump sum for Demolition and Removal. Items to be paid as complete system and not individual components	Q-003256	Norman	10/02/25
44	Plan sheet C4.01 and C4.03 calls for the install of a 6" backflow preventer. Will you please provide a detail for install?	See response to question #39	Q-003257	Norman	
45	Plan sheet C4.06 - will you please clarify the height of the 12" bollards installed in association with the hydrant guard rail? Detail 3 shows a 12" post with a 10' buried portion and an 18' exposed portion for a total height of 28'. Detail 2 shows a 12" post with a 6' buried portion and an approx. 9' exposed portion. Do you want the posts installed around the fire hydrants to have a total height of 28', or 15'?	Plan sheet C4.06 has been revised to differentiate the bollard protection around the fire hydrants and electrical equipment. Addendum 02 includes that revised sheet.	Q-003258	Norman	10/02/25
46	Plan sheet C4.01 - process water is called out as 2" SCH40 HDPE ASTM D1785. Is it your intent that the contractor has the option to choose between the two different type of pipe? Either 2" SCH40 PVC D1785, or 2" HDPE?	The process water pipe is to be DR 11 HDPE	Q-003259	Norman	10/02/25
47	Plan sheet C4.01 calls for the install of a hose bibb at 6 locations. The plan calls these locations out as bollards, but these appear to be light poles, not bollards. Will you please clarify if the hose bibbs are installed on the light poles, or bollards, and if bollards are required, which size is required, 12" or 8"?	Hose bibs shall be mounted on contractor designed stanchions or 8" bollards near the light poles.	Q-003260	Norman	10/02/25
48	Spec. section 001113-2 Special Conditions - 2 C.F.R. 200-322 states "to the greatest extent practicable under this project provide a PREFERENCE for the purchase, acquisition, or use of goods, products, or materials produced in the United States," Will you please clarify if domestic materials are REQUIRED, or just PREFERRED? If domestic materials are required, are they per the Buy America preferences set forth in 2 CFR part 184?	While the statute states "preference" the requirement for a waiver request is to prove that the item in questions is not available anywhere in the US and approval is at the discretion of the Grantor. Approval of waiver requests are very low and are taking between 1-2 years to process. Due to the anticipated project duration and minimum time for review of a waiver request, this project will require all items to meet the Buy America requirements. By reference 2 C.F.R. 200-322 incorporates the Buy America preferences set forth in 2 C.F.R. part 184.	Q-003261	Norman	10/02/25
49	Plan sheet C5.21 - are the OFCB type 1 catch basins and beehive grates installed within the BMT area required to meet the load rating specified on plan sheet G1.03?	No	Q-003262	Norman	10/02/25
50	Detail 1, plan sheet C5.23 - are the private manholes and frame and covers required to meet the load rating specified on plan sheet G1.03?	Yes. Manholes and structures within drivable areas on Port property shall meet the load ratings on G1.03	Q-003263	Norman	10/02/25
51	Are the public structures and castings shown on the WO plans required to meet the load requirements specified on plan sheet G1.03?	Structures on WO sheets in Tacoma Right of way shall meet City Public Works Standards	Q-003264	Norman	10/02/25
52	Does the public storm pipe, shown on the WO plans, require nitrile gaskets per spec. section 334100-2 2.02A?	Yes	Q-003265	Norman	10/02/25
53	Sheet E40, Substation Power Riser Diagram, shows Panel 2P2, Panel 4P2 and transformer 2T3. Are these panels in the project scope? If so please provide panel schedules.	Transformer 2T3 and 480V disconnect per sheet E40 are required. Panel in guard shack is provided with guard shack. See current sheet E40 to be issued by Addendum 03 .	Q-003266	Norman	10/02/25
54	New and replacement storm structures shown on drawings WO.22, WO.23, WO.28, and WO.29 refer to details 3 and 4 on sheet WO.26, however they do not indicate the diameter of the structure. Please provide the interior diameter required for these storm structures.	Revised sheet WO.27 has an added table for structure type and dimension information. This sheet will be issued with Addendum 03 .	Q-003269	Norman	10/03/25
55	Drawing C4.01 contains a note "Mount Hose Bib on Bollard, Typ." at the location of the Reefer Wash Bay at the termination of the 2" Process Water line. Please provide details on the bollard, the connection of the hose bid to the bollard, and location adjacent to the the concrete beams of the Reefer Wash Bay.	See response to question #47	Q-003270	Norman	10/03/25
56	Sheet G1.03 provides design criteria for all underground structures to meet live loads associated with top-pick loading. Do all private storm structures shown on drawings C5.09 - C5.11 require to meet the live load requirements noted on sheet G1.03? If not, please indicate which structures need to meet the top-pick live load criteria.	All structures within drivable areas on Port property shall meet the loading requirements on G1.03. Elsewhere, structures in the City of Tacoma right of way shall meet City Public Works Standards	Q-003271	Norman	10/03/25
57	We would like to request Port of Tacoma postpone the bid date by two weeks.	Addendum 02 will extend Bid date to October 24, 2025 @ 2:00 PM	Q-003272	Michelle	10/03/25
58	Sheet E61 flag note 3 states to "Provide 250 WATT, 1120v heater with thermostat set to turn on at 38 Degrees Celsius integral to panel." Please confirm this is correct.	Thermostat shall turn on at 38 degrees Fahrenheit	Q-003273	Norman	10/03/25
59	Sheet C1.01 indicates the items to be demolished on Parcel 87. During the site visit there is an existing office trailer still located on the site that is not indicated on the drawings. Will this office trailer be removed by others or will it need to be removed by the Contractor?	Office trailer will be removed by others.	Q-003274	Norman	10/03/25
60	There are erosion control items on this project but I do not see a bid item for erosion control. Where and how are these items to be paid for?	See response to question #43	Q-003278	Norman	10/06/25
61	At the pre-bid site walk the Port of Tacoma informed the contractors that Addendum 1 would be issued on Wednesday 10/1. Addendum 1 has yet to be issued and we are requesting a 1-week extension to both the bid date and question cut-off to process the information provided in the upcoming addendum and Q&A.	Addendum 01 posted 10/6/25 Addendum 02 will extend Bid date to October 24, 2025 @ 2:00 PM	Q-003280	Norman Michelle	10/06/25
62	Please advise as to when Addendum #1 will be released.	Addendum 01 posted 10/6/26	Q-003281	Michelle	10/06/25

QUESTIONS & RESPONSES #05
CONTRACT NUMBER: 071908
RFP/RFQ TITLE: Thorne Road Off Dock Container Yard
CONTACT: Michelle Walker, Procurement Analyst
EMAIL: procurement@portoftacoma.com
PHONE NUMBER: 253-888-4744
QUESTIONS DUE DATE: Thursday, October 9, 2025, @ 2:00 PM (PDT)
Q&A ISSUE DATE: October 21, 2025

63	Will you please clarify they load rating requirement for the onsite castings? I sent the info provided on plan sheet G1.03 and the casting manufacturer responded back with "Someone is going to have to define the loading required. H-20? 50,000 lb's? 100,000 lb's? 200,000 lb's?"	Axle load is described in item #1 of "Live Load Design Criteria"	Q-003282	Norman	10/06/25
64	In Division 31 00 00, Section 2.02 on page 31 00 00-3, there is a statement that says, "It is to be assumed that all excavated in-situ material will be found acceptable for reuse." Does this include trench spoils?	All excavated material is assumed to be acceptable for re-use. Any material that is found not to be acceptable for reuse will be managed through change order.	Q-003283	Norman	10/06/25
65	Will the owner accept the substitution of the aluminum cantilever slide gates to be manufactured by Quality Fence Builders in Auburn, WA? The specified slide gate is manufactured by TyMetal in Greenwich, NY or by Wallace International in Winnipeg Canada. Quality Fence manufactures an excellent product, and I know that many have been installed at the Port of Tacoma. The shipping costs for the specified slide gates from TyMetal or Wallace International will be extreme.	Contractor may propose an alternate installation for approval during submittals	Q-003284	Norman	10/06/25
66	Valve boxes per plan sheet C4.05 - the casting manufacturer has the following question about load rating on the valve boxes. "The load testing is done by a 9x9 area compressed on the casting. These valve boxes are too small to test. Will the loading requirement remain for the VB's?"	The submitted box shall be rated as noted. Testing of installed valve boxes is not required for this contract	Q-003285	Norman	10/06/25
67	section 33 11 00 We believe the intent is to have 2 Pressure Washer units. Each Pressure Washer would have 3 guns/wands. For a total of 6 guns/wands. Can you confirm we understand the intent correctly?	This is correct	Q-003287	Norman	10/06/25
68	section 33 11 00 We believe there is a typo for product 2.05. Under 2.01D a 500 gallon recycled water holding tank is called out. However, 2.05 lists a 5500 gallon recycle water holding tank. Based on our past experience with these systems, we believe 500 gallon is the correct size and that 5500 is a typo. Can you confirm the tank size that is necessary for this project?	500 gallons is acceptable as a component of the treatment system and is appropriate for the performance specified	Q-003287	Norman	10/06/25
69	section 33 11 00 Under section 2.06B6 (All Electric Pressure Washer), A WIRELESS remote control is listed. Under 2.06C4, a WIRED remote is listed. Pressure washers can have either a wireless or a wired remote, but not both. Based on our experience with these types of projects, we believe a WIRED remote to be a more robust solution given the distance and potential interference of steel containers. Can you confirm 1 wired remote per pressure washer is acceptable?	Wireless and wired controllers are both acceptable	Q-003287	Norman	10/06/25
70	section 33 11 00 We cannot currently identify in the drawings how the pressure washer hoses and remote wiring will be conveyed from the pressure washers (inside the Container) to the guns/wands where they are needed. Can you confirm how the hoses will be run from the container? Additionally, the remote wiring will also need to be run from the container to one of the work stations. Can you confirm how and to where the remote wiring will be placed?	Process water shall be carried to the hose bibs in 2" HDPE SDR 11	Q-003287	Norman	10/06/25
71	Would the owner consider the use of PC 40 (Group IC) pipe manufactured by Ameristar Perimeter Security, USA as an alternate to a Sch 40 pipe? The specified Sch 40 pipe has a yield strength of 30,000 psi. The Ameristar PC 40 has a yield strength of 50,000 psi. The Ameristar product is powder coated at their facility in Tulsa and is extremely durable. I would also add that the Ameristar PC 40 is the only coated fencing component that is on the WADOT QPL. Please consider this for an approved option.	Please submit a substitution request Section 00 26 00 Substitution Procedures for review of the proposed alternate product.	Q-003288	Norman	10/06/25
72	The demolition plans state to remove 6" of topsoil. Is this material to remain onsite and be used in some form or is it to be removed from the site?	The top soil is to be removed off site. All material removed from site shall meet requirements of 01 74 16 Soil Characteristics and Waste Management	Q-003289	Norman	10/06/25
73	The demolition sheets show two areas that require to clear the trees and vegetation. The quantity for the area shown on sheet C1.02 is 5.3 acres. The area shown on sheet C1.03 is 2.4 acres. These total areas total to an amount of 7.7 acres. The bid item for clearing and grubbing is for 2 acres. Which is correct?	Addendum 01 adjusted the quantity of clearing and grubbing to 10 acre.	Q-003291	Norman	10/06/25
74	There is a Knox Box or Knox Vault required as shown in the Key Box Notes on Sheet C2.01 and Sheet C2.16 with no information regarding the type or size of the Know Box or the Knox Vault. What is supposed to be used here?	Emergency access gates and primary gate on Maxwell Way are manually opened. Models 4400 and 3200 are acceptable	Q-003292	Norman	10/06/25
75	What bid item is Erosion Control supposed to be covered under?	See response to question #43.	Q-003293	Norman	10/07/25
76	Category: Trackwork: What are the closure restrictions for the replacement of the 290 TF in the pedestrian crossing? Will this be a total closure/nightly/track and time deconfliction? If a full closure is permissible, how many days can the track be out of service and will it be both tracks or one track at a time?	See response to question #34.	Q-003297	Norman	10/07/25

QUESTIONS & RESPONSES #05
CONTRACT NUMBER: 071908
RFP/RFQ TITLE: Thorne Road Off Dock Container Yard
CONTACT: Michelle Walker, Procurement Analyst
EMAIL: procurement@portoftacoma.com
PHONE NUMBER: 253-888-4744
QUESTIONS DUE DATE: Thursday, October 9, 2025, @ 2:00 PM (PDT)
Q&A ISSUE DATE: October 21, 2025

77	1) Is the quonset hut to be included in this contract? If so, where are the details associated with the quonset hut? 2) Why is Builder's Risk insurance required for this project?	1) Quonset hut specifications are located in Section 13 34 19 - Building Systems and also as noted on the plans. 2) This is standard for Port of Tacoma projects of this size.	Q-003298	Norman Sara	10/07/25
78	Category: Trackwork: Which drawing details the limits for trackwork? Drawing C4.00 shows the pedestrian at being ~30' wide, with both tracks a total of +/- 60 TF would be within the limits of the crossing. Q/A Responses # 02 Question 11: calls out 290 TF being replaced. Where are the limits of that track construction detailed?	See response to question #1.	Q-003299	Norman	10/07/25
79	Where are drawings associated with the "Guard Shelter"? Is there a manufacturer listed for this prefabricated steel structure?	See Section 13 34 19 - Building Systems for specifications of the Guard Shelter including a list of acceptable manufacturers. This is intended to be a prefabricated structure.	Q-003300	Norman	10/07/25
80	The bid form for this project for EARTHWORK is 11,500 CY Under the Measurement and Payment for this bid item it states that the item will be measured and paid by the TON. How will this item be measured and paid for?	See response to question #24.	Q-003301	Norman	10/07/25
81	Category: Trackwork: What size rail will the connections be made to? Will standard 115RE-115RE joint bars suffice or will compromise bars be needed?	Rail size is 115RE. Compromise bars are not required	Q-003302	Norman	10/07/25
82	Response to Q/A 002: Question 10. Will the new installation 115 RE be head hardened?	115RE but not head hardened	Q-003303	Norman	10/07/25
83	On page 01 20 00 - 5 of the specifications section F, Item #6 in the measurement section indicates imported material will be paid for by the "Ton". The proposal shows Item #6 quantity to be 11,500 cy. What unit will be used to pay for this item? Is the 11,500 cy to be imported material?	See response to question #24.	Q-003304	Norman	10/07/25
84	Sheet C4.01 indicates the waterline servicing the Reefer Wash system to be 2" DIP. There is another call out to this waterline near the termination/cap for future use that indicates the waterline is 2" PE100 Water ASTM D3035 SDR11 pipe. Please clarify the type of pipe required for this waterline or indicate the location the pipe transitions from DIP to HDPE.	Supply waterline shall be DIP	Q-003305	Norman	10/07/25
85	Category: Trackwork: What is the tie spacing for the trackwork in the pedestrian crossing?	21" OC	Q-003306	Norman	10/07/25
86	Specification 01 74 16 discusses the procedures for handling of suspect soils but does not indicate the payment for the disposal of suspect soils. In the event contaminated soil is determined to be a Type A, B, or C soil and requires offsite disposal please provide clarification on payment procedure for contaminated soil disposal.	All excavated material is assumed to be acceptable for re-use. Any material that is found not to be acceptable for reuse will be managed through change order.	Q-003307	Norman	10/07/25
87	Please provide details for the bollards (size, detail for removable bollards) and details for the electrical pads shown on Sheet E30.	Revised sheet C4.06 has been posted	Q-003308	Norman	10/07/25
88	The port responded that the 12" bollards were to be placed at the fire hydrants, however, detail 2 and 5 on Sheet C4.06 show different heights of the bollards than the detail 1 of the 12" bollard. Please clarify which detail applies to the fire hydrants.	A revised plan sheet for C4.06 has been issued.	Q-003309	Norman	10/07/25
89	Please provide details for the bollard assemblies around the light poles. Please send details for each different type/height of pole that if they differ.	Bollard assemblies are not shown around the light poles.	Q-003310	Norman	10/07/25
90	Please size and spacing for transverse rebar for details 2 and 3 on Sheet S1.02.	All #4 at 10" O.C.	Q-003311	Norman	10/07/25
91	Bid Item #6 - Earthwork shows a quantity of 11,500 CY. Specification 01 20 00 states the measurement for Earthwork will be by the TON. Please confirm if the measurement of Bid Item #6 - Earthwork will be by the CY or TON.	See response to question #24.	Q-003315	Norman	10/07/25
92	C5.22 - Detail 4 -BMT Structural Support Detail Please provide the size and spacing of the transverse bars. Detail only shows longitudinal bars.	#4 at 12" O.C.	Q-003317	Norman	10/07/25
93	Please verify ratings of transformers 2T1, 2T2 and 2T3 as there is conflicting information on one lines, panel schedules and site plan drawings.	2T1 = 25KVA, 48V:120/240V, 1PH, Nema 3R, 316 Stainless Steel 2T2 = 25KVA, 48V:120/240V, 1PH, Nema 3R, 316 Stainless Steel 2T3 = 25KVA, 48V:120/240V, 1PH, Nema 3R, 316 Stainless Steel	Q-003318	Norman	10/07/25
94	Please confirm load rating of TPUPV1 vault for TPU transformer, as this location is surrounded by bollards and guardrail in a non traffic area.	See response to question #20	Q-003318	Norman	10/07/25
95	Please provide electrical requirements and details for the equipment shown on dwg C2.09.	Contractor submitted water system shall include manufacturer requirements for the system	Q-003318	Norman	10/07/25
96	Please provide additional electrical details and requirements for Bid Item #11.	See electrical plans for system at the RR crossing	Q-003318	Norman	10/07/25
97	Please provide additional information, details and drawings for the Gate Controllers and Flashing Rail Lights.	See electrical plans for system at the RR crossing	Q-003318	Norman	10/07/25
98	Please provide a work order drawing set for the Tacoma Rail Crossing.	There are not work order drawings for the Tacoma Rail Crossing.	Q-003318	Norman	10/07/25
99	Please provide additional information related to the lights to be field mounted to the side of the pedestal mounted reefer assemblies.	Mounting Details for light fixtures on reefer pedestals are shown on sheet E51 and E53 are part of the reefer pedestal details	Q-003318	Norman	10/07/25
100	Please confirm the pedestal mounted reefer outlet assemblies are to be mounted on 316 stainless legs per the spec and not HDG per the detail drawing.	Provide 316 stainless steel legs	Q-003320	Norman	10/07/25
101	Is the Contractor supposed to anticipate contamination on this site (contaminated soil and or contaminated groundwater)?	Contractor to assume no contamination is on site. If contamination is discovered then it will be managed per Section 01 74 16 - Soil Characteristics and Waste Management and will result in a change order to the contract.	Q-003320	Norman	10/07/25

QUESTIONS & RESPONSES #05
CONTRACT NUMBER: 071908
RFP/RFQ TITLE: Thorne Road Off Dock Container Yard
CONTACT: Michelle Walker, Procurement Analyst
EMAIL: procurement@portoftacoma.com
PHONE NUMBER: 253-888-4744
QUESTIONS DUE DATE: Thursday, October 9, 2025, @ 2:00 PM (PDT)
Q&A ISSUE DATE: October 21, 2025

102	If contamination is discovered on this site, will the Owner or Contractor be required to apply for an administrative order through the Department of Ecology? Please clarify if this scenario would be handled through a Change Order or some other process.	See response to question #101.	Q-003320	Norman	10/07/25
103	Section 01 74 16 – Will the Port allow any existing materials to be recycled and incorporated on this site? Please clarify which materials.	Existing materials that meet site requirements may be reused on site. Contractor to provide submittal of recycled material for review and approval.	Q-003320	Norman	10/07/25
104	Section 05 50 00 'Metal Fabrication' – This spec Section appears twice. Please clarify which is to be used.	The second occurrence is the section to use. This section lists 3 items in the paragraph 1.02 Related Sections. Disregard the other version.	Q-003320	Norman	10/07/25
105	Section 13 34 19 – Part 2 Products contains 2.01 and 2.02 paragraphs twice. Please clarify which structure each of these paragraphs is referring to.	See Addendum 03 for the corrected version of Section 13 34 19. Part 2 paragraph 2.02, 2.03 and diagram are for the Quonset Hut structure. All other paragraphs in Part 2 are for the Guard Shelter.	Q-003320	Norman	10/07/25
106	Section 31 23 19 notes Appendix A as containing the geotechnical report. This isn't accurate. Please correct and clarify.	See Addendum 03 for the corrected version of Section 31 23 19.	Q-003320	Norman	10/07/25
107	Section 31 23 19 notes a geotechnical report dated from 2020. Is this accurate? Please provide clarify and provide the correct geotechnical report.	See Addendum 03 for the corrected version of Section 31 23 19.	Q-003320	Norman	10/07/25
108	Section 31 23 19 notes treating dewatering water with polymer. Please clarify how this effort will be measured and paid.	Dewatering shall be included in Bid Item #6 Earthwork.	Q-003320	Norman	10/07/25
109	Section 33 10 00 – Please clarify what certification or steps are required to be an approved underground fire pipe installer per City of Tacoma Fire Department.	The contractor shall hold a valid builders license and meet the licensing and qualification requirements of the Washington State Department of Labor & Industries	Q-003320	Norman	10/07/25
110	For the 12" bollard details on page C4.06, please clarify the height above and below ground, detail 2 and 3 show contradictory heights.	Addendum 02 revises plan sheet C4.06 to fix detail.	Q-003320	Norman	10/07/25
111	Regarding Specification Section 33 11 00 Water Filtration Systems, there is not a manufacturer listed who we use to meet the 5-year experience requirement as specified (see below) . Can you please give us contact information on which manufacturer you used during design?	Specifications provides performance for individual components. Manufacturer of those components must meet the experience requirements.	Q-003320	Norman	10/07/25
112	Please extend the bid date by two weeks.	Addendum 02 will extend Bid date to October 24, 2025 @ 2:00 PM	Q-003320	Norman	10/07/25
113	Addendum 1 notes drawing Sheets 2.10 and C2.11 have been 'updated.' Please confirm if this is a typo.	The following drawings were updates on Addendum 01-C2.02, C2.03, C2.10 & C2.11 (I will revise last one to be C3.11) The attachments don't match the title for C2.10 (title) & Drawing says C2.01 (which one is it?)	Q-003332	Michelle	10/08/25
114	It appears as if Drawing sheets C2.01, C2.02, C2.03 and C3.11 have been updated.	The following drawings were updates on Addendum 01-C2.02, C2.03, C2.10 & C2.11 (I will revise last one to be C3.11) The attachments don't match the title for C2.10 (title) & Drawing says C2.01 (which one is it?)	Q-003332	Michelle	10/08/25
115	Are the wheel stops shown on Plan Sheet C2.13 (Detail 4 and 5) part of the pavement markings? If so, have they been eliminated from this contract like the pavement markings have been?	Wheel stops are included under Bid Item #20 - Misc. Site Concrete, Barriers and Bollards.	Q-003336	Norman	10/08/25
116	Bid Item #6 Earthwork is 11,500 cy. Measurement and payment on page 01 20 00 -5 (F) states that it will be measured by the TON of imported fill. Please clarify how Bid Item #6 will be measured and paid.	See response to question #24.	Q-003337	Norman	10/08/25
117	Will the existing trailer that is onsite be removed by the Port prior to construction?	See response to question #59.	Q-003338	Norman	10/08/25
118	Can you please confirm that this is domestic steel Buy America/n project?	See response to question #48.	Q-003339	Norman	10/08/25
119	Metal Fabrications spec 05.50.00.1.02.D references Chain Link Fences & Gates spec. Within that Metal Fab spec under 05.50.00.2.03.A for PIPE calls for A53 Grade B. The line (2-3/8"), corner/terminal (2-7/8"), and gate support posts (4") come in Grade B as specified. Smaller pipe sizes like that used for the top rail and bracing (1-5/8", or 1.66"OD, or 1-1/4"NPS) come in A53 Grade A. Can A53 Grade A for 1-5/8" top rail & bracing be accepted?	This is an acceptable substitution	Q-003339	Norman	10/08/25
120	Chain Link Fences & Gates spec 32.31.13.2.01.C.5.d. Post Toppers state barb arms to be upright. Drawing C2.16 Detail/2 displays a 45degree barb arm and not a upright arm. Can you confirm the upright arms are the correct item based on the specs?	Barbed wire arms are to be angled	Q-003339	Norman	10/08/25
121	Chain Link Fences & Gates spec 32.31.13.2.03.B. states All aluminum members used in gate construction shall be PVC coated. Gate manufacturers like that of called out TyMetal, Wallace, and/or equivalent aluminum gates fabricators cannot coat their aluminum frames with PVC due to the heavy mill that will cause the gate to perform poorly or if at all. The standard coating for these specific gates is either polyester powder coated or aluminum mill finish. Can this subsection be amended to reflect Powder Coated for the aluminum gate frame and members?	Coating of aluminum components is not required	Q-003339	Norman	10/08/25
122	Drawing E23 calls out a Gate Controller for only the south cantilevered 30'w slide gate. Drawing E24 calls out a Gate Controller for what appears to be the north 30'w sliding gate. Can you please confirm these (2) slide gates are automated?	Controller shall be installed on both RR crossing gates	Q-003339	Norman	10/08/25
123	Drawing C2.11 Detail/2 calls out (1) 30'w & (1) 24'w dual swing gate next to the guard shelter. Are these gates manual or automated?	Gates at the guard shelter are manual.	Q-003339	Norman	10/08/25

QUESTIONS & RESPONSES #05
CONTRACT NUMBER: 071908
RFP/RFQ TITLE: Thorne Road Off Dock Container Yard
CONTACT: Michelle Walker, Procurement Analyst
EMAIL: procurement@portoftacoma.com
PHONE NUMBER: 253-888-4744
QUESTIONS DUE DATE: Thursday, October 9, 2025, @ 2:00 PM (PDT)
Q&A ISSUE DATE: October 21, 2025

124	Emergency Knox Box 3200 are for manually operated gates which are vaults that house a key to padlocks, proximity cards for proximity card readers, etc. Emergency Vehicle access devices for automated gates are not Knox Box vaults with a key but either a Knox Box 3501 mounted key switch that's wired to the gate operator to strike the gate open, a wireless frequency receiver or a strobe light receiver that's specifically designed for the FD. One of these devices are required on all automated gates and based on local FD specific requirements to determine which device is approved. Can the drawings and/or specs be amended to reflect this requirement for automated gates?	This questions is replaced by question # 139	Q-003339	Norman	10/08/25
125	Chain Link Fences & Gates spec 32.31.13.1.03.E.1 states reference to WSDOT M41-10. That WSDOT M 41-10 spec 9-16.1(1)A states "Except as noted otherwise, post materials shall conform to the requirements of AASHTO M181. AASHTO M181-98.30.1 states pipe is to be ASTM F1083 schedule 40. The statement in WSDOT M 41-10 spec 9-16.1(1)A states "Except as noted otherwise" would lead us to believe the project manual specs Chain Link Fences & Gates spec 32.31.13.2.01.C.2.a Posts, rails, and braces in accordance with ASTM A53 holds the highest precedence. Can you confirm ASTM A53 is the specified pipe requirement for the fence framework.	ASTM A53 pipe takes precedence over AASHTO	Q-003339	Norman	10/08/25
126	Chain Link Fences & Gates spec 32.31.13.2.01.A. states fence shall be PVC coated. Can you confirm that PVC coating is required to not only the chain link fabric but to all the framework (posts, rails, fittings) as well?	See note #1 on plan sheet C2.16. All fence material shall be PVC coated.	Q-003339	Norman	10/08/25
127	There are ecology blocks on the site now. What is to be done with those ecology blocks?	Ecology blocks will be removed by others.	Q-003342	Norman	10/08/25
128	In the specifications (Section 31 00 00 - Earthwork, 2.04 Crushed Rock Base, 2.06 Crushed Rock Top Course) it is stated that the material passing the No 200 sieve shall not exceed 5 percent. WSDOT Standard Specifications allow for 7.5% for the Base Course and 10% for the Top Course. These percentages are specified to allow for the material to be compactable. With the requirement of less than 5% passing the 200 sieve it would be nearly impossible to meet compaction requirements because there are no fines to fill the voids. Would you please remove this requirement and specify per WSDOT Standard?	7.5% passing the No. 200 sieve is acceptable	Q-003344	Norman	10/08/25
129	Sheet E20 calls for the 4-Gang Reefer Receptacle Enclosure to be mounted in concrete bunkers and to reference Sheet E54. Sheet E54 is the wiring diagram for the 22-Gang Pedestal Reefer Outlets and sheet E50 is the drawing for the 4-Gang Reefer Bunker details. The details show anchorage brackets/clips mounted to the sides of the bunker outlet. There are not any details in the Civil drawings or specifications on how these bunker outlets are to be mounted and where they are to be mounted. Please provide details on what and how these bunker outlets are to be mounted or confirm if these are to be mounted directly to asphalt.	Reefer bunker detail reference should be Sheet E50 in lieu of Sheet E54 as noted. Mounting reefer bunkers shall be per manufacturers requirements. Reefer bunkers shall be located between stalls as shown on Sheet E20.	Q-003348	Norman	10/08/25
130	On sheet S1.02 there are two details depicting curbs, details 2/C2.07 and 3/C2.07. The call out would indicate that these curbs are shown on sheet C2.07. Sheet C2.07 is a list of control points. Where are these curbs shown?	Curbs are shown on C2.09	Q-003352	Norman	10/08/25
131	Please provide Din Rail layout for Security Camera and Communication cabinets shown on sheet E24, E30, E62 and E63.	Din Rails shall be supplied and mounted within communication cabinets based on field layout of equipment mounted within cabinet. This layout shall be part of the shop drawings for the systems.	Q-003353	Norman	10/08/25
132	Is the 6" of asphalt underlayment at the RR track crossing incidental to the RR crossing or paid for under the Asphalt Paving Item?	Paving at the crossing is included in the price for the crossing, Bid Item #27, not the site paving.	Q-003359	Norman	10/08/25
133	Sheet C4.06 Detail 3, calls for a 12" Dia. Bollard with 18 Feet of steel above finished grade. Please indicate where these 18 Feet tall bollards are on the site.	See response to question #3 and revised sheet C4.06 issued in Addendum 02	Q-003360	Norman	10/08/25
134	The answer to question 3 in Q&A #2 calls for 8" Dia. Bollards are the gate entry and 12" Dia. Bollards around the fire hydrants. There are also bollards on the ends of the BMT trench as shown on sheets C5.09 - C5.11 that reference detail 2/C2.13 and around the electrical equipment as shown on sheet E30. Please indicate the size of the bollards and which detail on C4.06 for the bollards at the ends of the BMT Trench and around the Electrical Equipment on sheet E30.	Single bollards are to be 8" Dia. per the detail on sheet C4.06. Sheet C4.06 has been revised to show different bollards styles for hydrant protection and electrical equipment protection. See the revised sheet C4.06 issued in Addendum 02.	Q-003360	Norman	10/08/25
135	Detail A & B/E70 indicate a cast-in place concrete collar above the electrical vaults. Sheet C4.05 Detail 1 shows a concrete collar detail around cleanouts and Note 1 mentions Catch Basin structures to have concrete collars. Do all underground structures (storm, sewer, and electrical), cleanouts, and valve boxes require a cast-in-place concrete collar? If so, please provide details on extents of the concrete collar, reinforcement required, and depth of the collars.	Collars shall be installed with the structures cited in plans	Q-003361	Norman	10/08/25
136	Drawing E51 and E53 provide details for the 11 and 22-gang Reefer Outlet Pedestals and show anchor holes. Please provide details on foundations for the pedestals or confirm if the pedestals are to be anchored to the asphalt.	Pedestals shall be 2ft x 2ft concrete, 8" thich with #6 rebar at 12"oc each way.	Q-003363	Norman	10/08/25
137	How are the ADA ramps being defined? I can find 3 ramps in the Site Plan & Gutter Profile sheets and also in the detail. Is the sidewalk connecting to the driveway with the DWS being counted as ramps?	City of Tacoma details are included in the WO plans	Q-003347	Norman	10/08/25
138	What is the pedestrian curb paid under?	Concrete Curb and Gutter	Q-003347	Norman	10/08/25

QUESTIONS & RESPONSES #05
CONTRACT NUMBER: 071908
RFP/RFQ TITLE: Thorne Road Off Dock Container Yard
CONTACT: Michelle Walker, Procurement Analyst
EMAIL: procurement@portoftacoma.com
PHONE NUMBER: 253-888-4744
QUESTIONS DUE DATE: Thursday, October 9, 2025, @ 2:00 PM (PDT)
Q&A ISSUE DATE: October 21, 2025

139	I apologize but there was a bit of missing information with my recent submission for question. Please replace with this question: Drawing C2.11 and C2.16 have a call out named KEY BOX NOTES: and Chain Link Fences & Gates spec 32.31.13.2.01.C.4. call out Access Control Boxes: Knox Box 3200 which are for manually operated gates that are vaults that house a key to padlocks, proximity cards for proximity card readers, etc. Emergency Vehicle access devices for automated gates are not Knox Box vaults with a key but either a Knox Box 3501 mounted key switch that's wired to the gate operator to strike the gate open, a wireless frequency receiver or a strobe light receiver that's specifically designed for the FD. One of these devices are required on all automated gates and based on local FD specific requirements to determine which device is approved. Can the drawings and/or specs be amended to reflect this requirement for automated gates?	Replaces question # 124 Only the RR crossing gates are automated. They are not for emergency access and do not require key boxes. The emergency access gates and the main gates on Maxwell Way are manually operated and require Knox Boxes.	Q-003365	Norman	10/08/25
140	I was calling specifically about the uh the thorn rd uh bid project it looks like that uh per addendum 2 will be extended umm i noticed in the specs that uh a lighting needs to be approved 10 days prior and need to bring a fixture to the engineer's office and i'm just wondering how i can coordinate that.	Light fixtures requesting prior approval can be delivered to the Port of Tacoma Administration Building located at 1 Sitcum Plaza, Tacoma, WA 98421 during normal business hours attention Norman Gilbert. See Addendum 03	Voicemail	Norman	10/10/25
141	The response to Question 37 states that the course aggregate base must meet AASHTO T 335. It goes on to say that it must contain 90% with 2 or more fractured faces. This requirement is not standard for crushed surfacing Base Course. This spec is for asphalt aggregate. The below spec is the WSDOT spec for Crushed Surfacing Base Course. The 2 or more fractured faces requirement is not produced as a CSBC product at any quarry anywhere in this area as a product for Base Course. Please see the WSDOT spec for Crushed Surfacing Base Course that is routinely used in almost every project, including the Port of Tacoma, on a daily basis. 9-03 Aggregates 9-03.9(3) Crushed Surfacing Crushed surfacing shall be manufactured from ledge rock, talus, or gravel in accordance with the provisions of Section 3-01. The materials shall be uniform in quality and substantially free from wood, roots, bark, and other extraneous material and shall meet the following quality test requirements: Los Angeles Wear, 500 Rev. 35 percent max. Degradation Factor – Top Course 25 min. Degradation Factor – Base Course 15 min. Crushed surfacing of the various classes shall meet the following requirements for grading and quality when placed in hauling vehicles for delivery to the roadway, or during manufacture and placement into a temporary stockpile. The exact point of acceptance will be determined by the Engineer. Sieve Size Base Course Top Course and Keystone Percent Passing 1¼" 99-100 1" 80-100 ¾" 99-100 ½" 50-80 ¼" 80-100 No. 4 25-45 46-66 No. 40 3-18 8-24 No. 200 7.5 max. 10.0 max.	WSDOT spec 9-03.9(3) Crushed Surfacing Base Course is an acceptable product.	Q003375	Norman	10/09/25
142	I saw that the Port of Tacoma Off-Dock Container Support Facility project is coming up, so I thought I'd reach out to see how the Port will be procuring the construction materials testing and special inspections scope of work for this project? Our firm is very interested in submitting an estimate for those services when appropriate.	The Port of Tacoma was intending to use the CTL IDIQ for inspection services.	Email	Norman	10/15/25
143	I would like to request approval for a lighting substitute for the project and need to bring a fixture to the engineers office prior to bid date. Can you let me know how to set that up?	See response to question #140.	Email	Norman	10/16/25