



February 1, 2019

Portland Albina Rail Yard Relocation Project
ATTN: Moe Badreddine
albina railrelocationproject@gmail.com

RE: Albina Yard Relocation Study: Task Order A – Initial Planning and Railroad Coordination Services

Dear Moe,

In this task order, HDR Engineering Inc. (HDR) will provide project support to:

1. Assist Portland Albina Rail Yard Relocation Project (Client) in communicating with Union Pacific Railroad (UP) the goal of obtaining insight into and information about capacity, expansion plans, function, and requirements for UP infrastructure and operations in the Portland area including Albina Yard, Barnes Yard, Brooklyn Intermodal Yard, and Port of Portland, and connecting main line trackage.
2. Assist the Client in understanding infrastructure requirements that UP would require to replace Albina Yard.
3. Assist the Client in understanding infrastructure requirements that UP would require to replace both Albina Yard and Brooklyn Intermodal Yard.
4. Provide the Client with a conceptual illustration of one possible overall UP replacement infrastructure development plan should Albina Yard operations be eliminated.
5. Provide the Client with a conceptual illustration of one possible overall UP replacement infrastructure development plan should both Albina Yard and Brooklyn Intermodal Yard operations be eliminated.

For this initial planning task, HDR will only consider infrastructure replacement sites in the Portland area that are currently used by or accessible to UP rail operations. Should no replacement sites be determined acceptable by the Client or UP, a new task order for additional planning will be negotiated.

TASK 1. REVIEW PREVIOUS STUDIES

HDR will:

1. Review the rail section of the Oregon Department of Transportation (ODOT) Freight Study previously performed by HDR.
2. Review the Port of Portland Rail Plan previously performed by HDR.
3. Review the conceptual plan for expansion of the UP Barnes Yard to include intermodal operations.

Deliverables

None. The findings of this task will inform tasks 2 and 3.

TASK 2. CONDUCT WORKSHOP WITH CLIENT AND UP

HDR will schedule and conduct an initial half-day workshop in Portland, to be held at HDR or UP's office. Prior to the workshop, HDR will request from UP files for previous site designs or planned projects.

Anticipated workshop participants will include:

- Moe Badreddine, the Client
- Aaron Hunt, UP
- At the discretion of the Client, other consultants providing professional planning advice for the Client
- HDR's project manager, Kurt Reichelt
- HDR's principal planner, Mark Hemphill
- HDR's track designer, Paul Weber, as needed by phone



The workshop will be structured to capture:

- An overall understanding of operations and infrastructure at UP's Portland facilities.
- Minimum UP requirements to replace infrastructure and operations at other locations.
- Geographic limits of replacement facilities.

Following the workshop, HDR will request additional documentation from UP, if needed.

Assumptions

- Draft and final Workshop Summary Memo shall be less than five (5) pages in length
- Client and UP will review and comment on draft Workshop Summary Memo within four (4) weeks of receipt. No review of final Workshop Summary Memo.

Deliverables

- Draft and final Workshop Summary Memo in PDF format delivered via email to the Client

TASK 3. DEVELOP CONCEPTUAL PLANS

HDR will:

1. Develop a conceptual illustration of one possible overall development plan should Albina Yard operations be eliminated.
2. Develop a conceptual illustration of one possible overall development plan should both Albina Yard and Brooklyn Intermodal Yard operations be eliminated.
3. Develop a memo summarizing the operational requirements of the replacement infrastructure.
4. Schedule and conduct a two (2) hour meeting in Portland, to be held at HDR or UP's office to present conceptual illustrations.
5. Prior to the meeting, HDR will provide the Client and UP with the concepts for review.
6. Anticipated participants at the meeting will include:
 - a. Moe Badreddine, the Client
 - b. Aaron Hunt, UP
 - c. At the discretion of the Client, other consultants providing professional planning advice for the Client
 - d. HDR's project manager, Kurt Reichelt
 - e. HDR's principal planner, Mark Hemphill
 - f. HDR's track designer, Paul Weber, as needed by phone
7. The meeting will be structured to capture the Client and UP's comments to the conceptual plan
8. Following the meeting, HDR will update the conceptual plans to address the Client and UP comments.

Assumptions

1. No topographic survey.
2. No geotechnical investigation or reports.
3. Use publicly available base map information.
4. Conceptual plans will consider vertical terrain but vertical track profiles will not be developed.
5. No construction cost estimating.

Deliverables

- Up to two (2) conceptual site plans in PDF format sent via email



SCHEDULE

HDR anticipates that the above scope of work will be completed as follows:

Task	Duration
Task 1	NTP + 1 week
Task 2 – Draft Workshop Summary Memo	Task 1 + 3 weeks (assuming availability of identified participants)
Task 2 - Final Workshop Summary Memo	Task 2 Draft + 5 weeks (includes client and UP 4 week review time of draft Workshop Summary Memo)
Task 3	Task 2 + 6 weeks

ESTIMATED FEES AND DISBURSEMENTS

Upon project award, HDR proposes to perform its services on a lump sum basis in the amount of \$30,000.

Invoice Schedule	Estimated Date	Amount
Invoicing - Milestone 1	Upon NTP	\$10,000
Invoicing – Milestone 2	1 month after NTP	\$5,000
Invoicing – Milestone 3	2 months after NTP	\$5,000
Invoicing – Milestone 4	3 months after NTP	\$5,000
Invoicing – Final Deliverable	4 months after NTP	\$5,000

HOURS

The project budget is based on these allocations of staff hours:

Team Member Role	Hours
Kurt Reichelt Project Manager	39
Mark Hemphill Principal Planner	30
Sean Kelly CAD Tech	32
Paul Weber Track Designer	12
Sharon Byrne Accountant	6
Katy Segura Project Assistant	7

We are fully committed to the successful completion of this project. If you have any questions or require additional information, please contact our project manager, Kurt Reichelt, at (503) 423-3836 or Kurt.Reichelt@hdrinc.com

Sincerely,
HDR Engineering, Inc.

Kurt Reichelt
Project Manager

Zak Toledo
Vice President