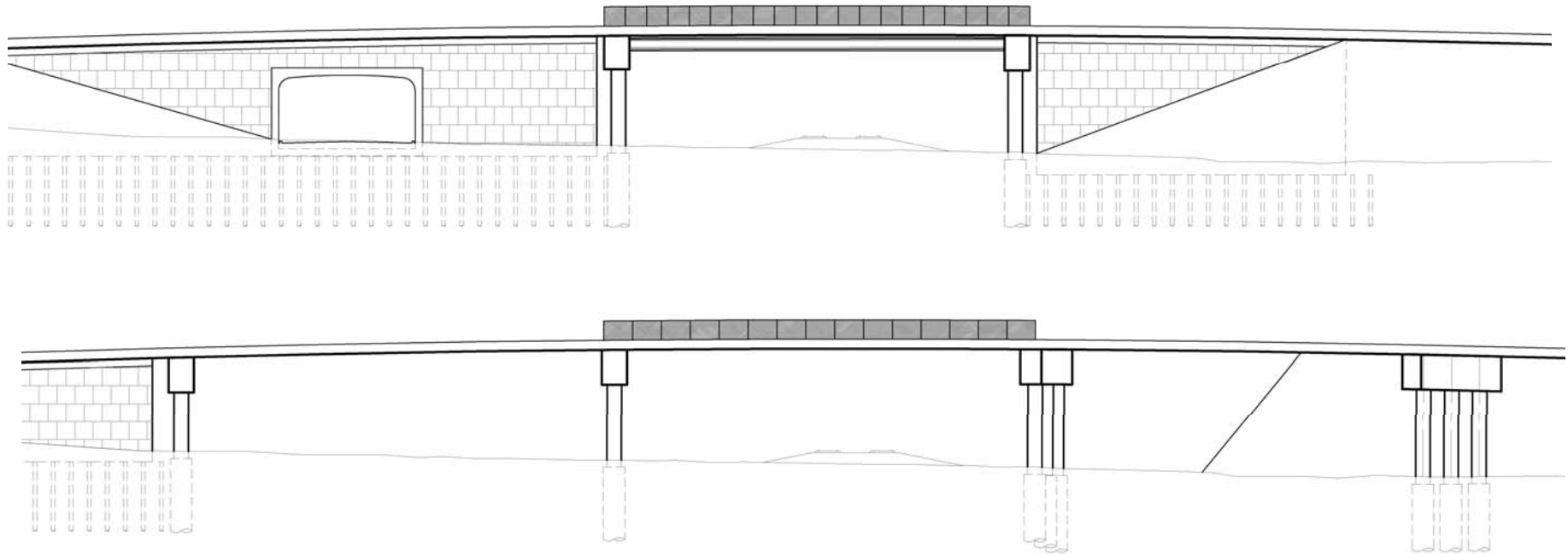
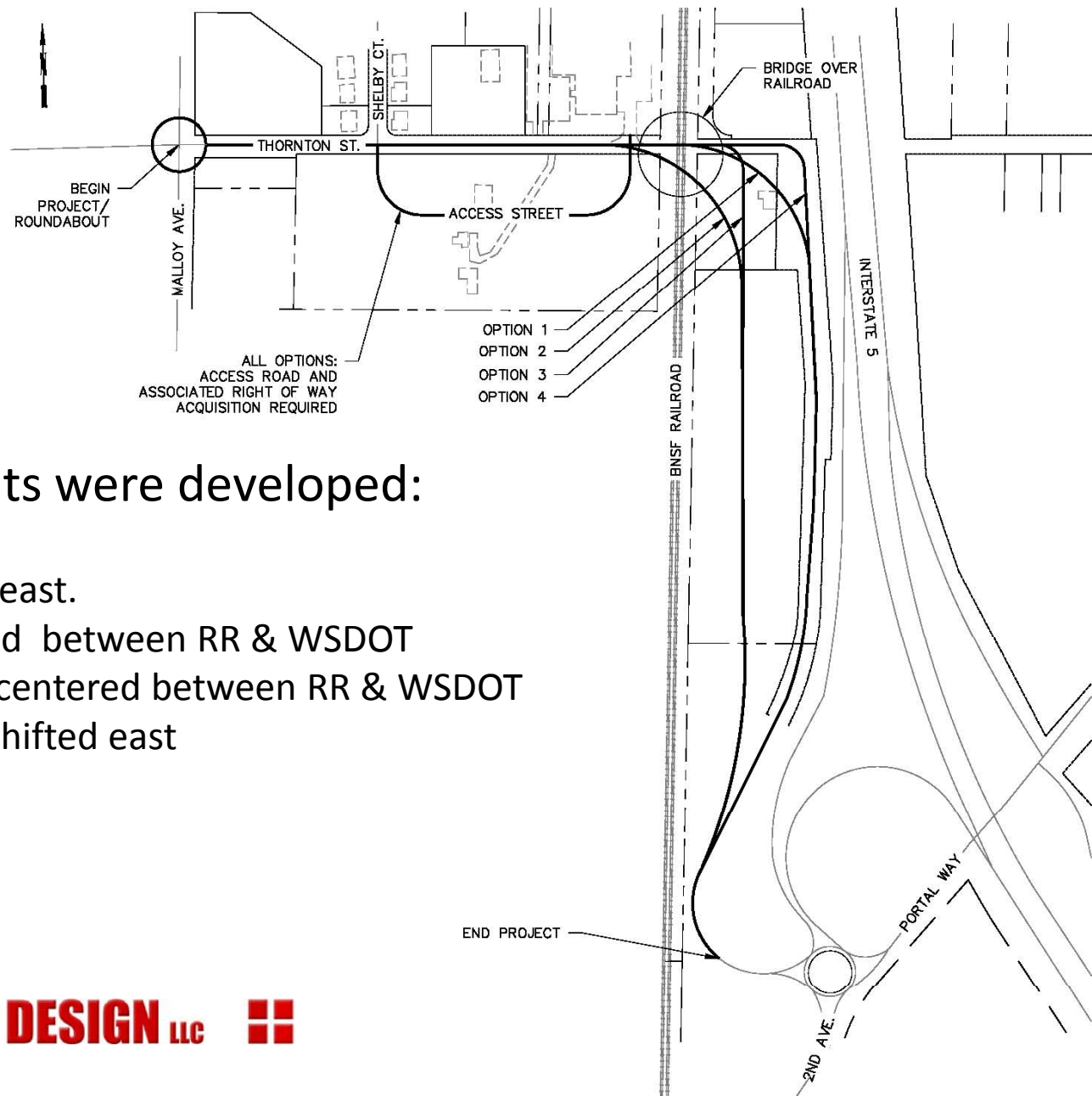


Thornton Street Over BNSF Railroad



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Four alignments were developed:

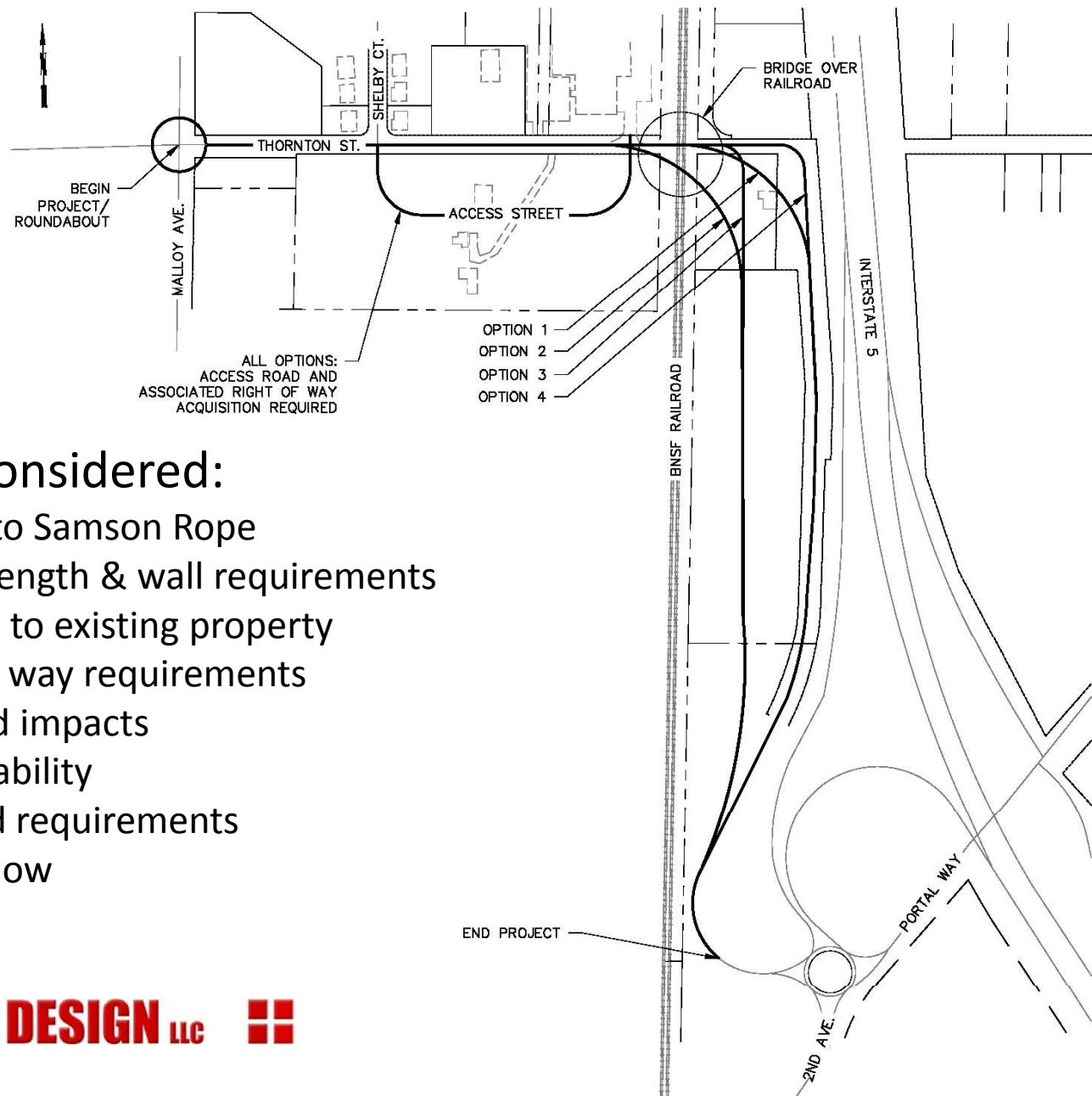
1. Curved shifted east.
2. Curved centered between RR & WSDOT
3. Hammerhead centered between RR & WSDOT
4. Hammerhead shifted east



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Key points considered:

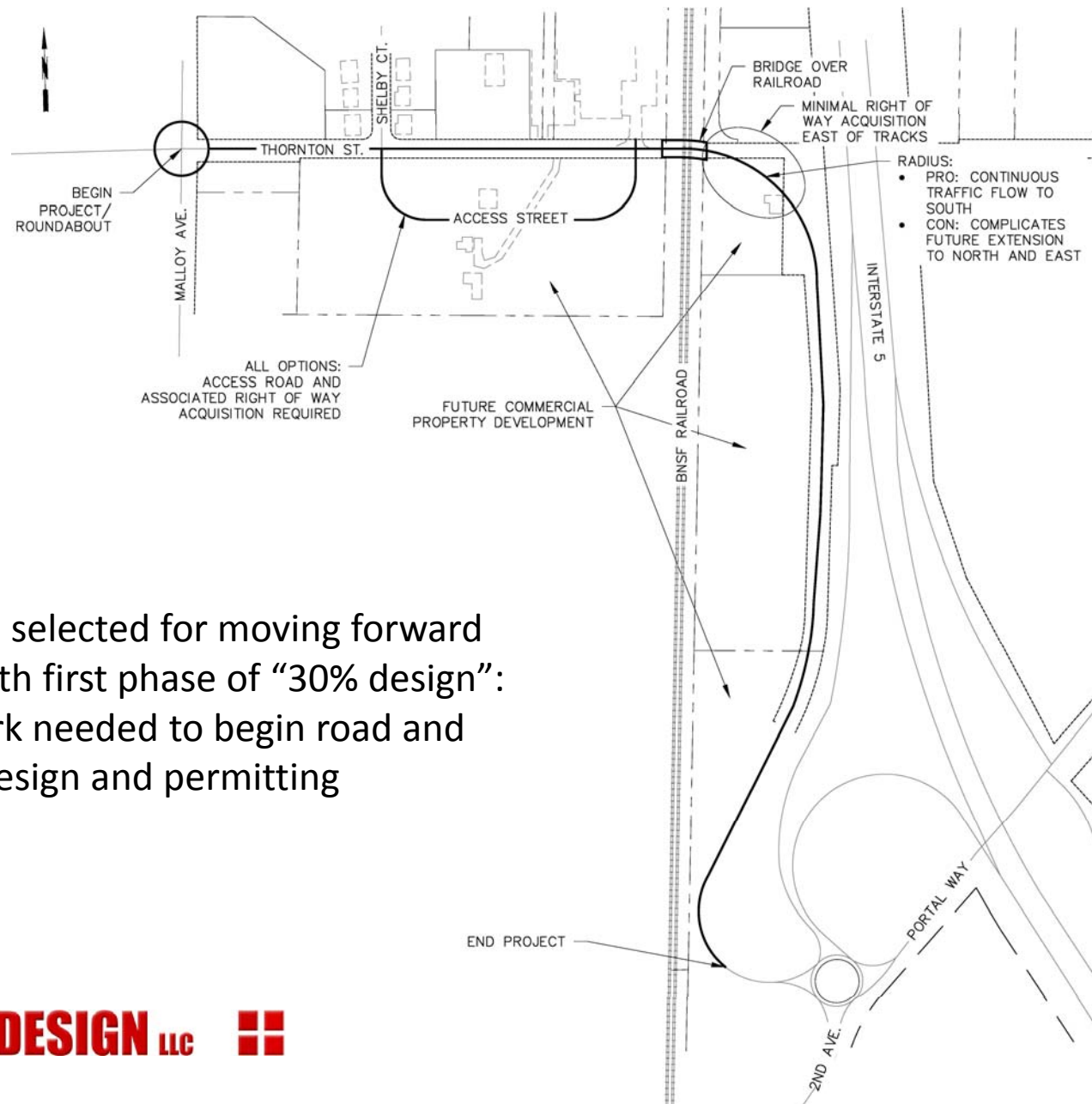
1. Access to Samson Rope
2. Bridge length & wall requirements
3. Impacts to existing property
4. Right of way requirements
5. Wetland impacts
6. Expandability
7. Railroad requirements
8. Traffic flow
9. Cost



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March 2015:

1. Option 1 selected for moving forward
2. Begin with first phase of "30% design":
field work needed to begin road and bridge design and permitting



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Since then:

1. Geotechnical investigation
 - 4 borings completed
 - Poor quality soils east and south
 - Draft geotechnical report in progress
2. Wetland mapping
 - Field work complete
 - Wetland map in progress
3. Topographic survey
 - Field survey work is on hold until Samson Rope access is identified



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Since then (cont...):

4. Samson Rope Access

- Two different options for access on north side of Thornton St.
- Possible cost savings and reduced property acquisition
- Coordination with Samson Rope forthcoming

5. Coordination for upcoming City sewer project

- Revise bridge and wall layout
- Compare costs of revised bridge project with options for sewer



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Previous bridge/wall layout:

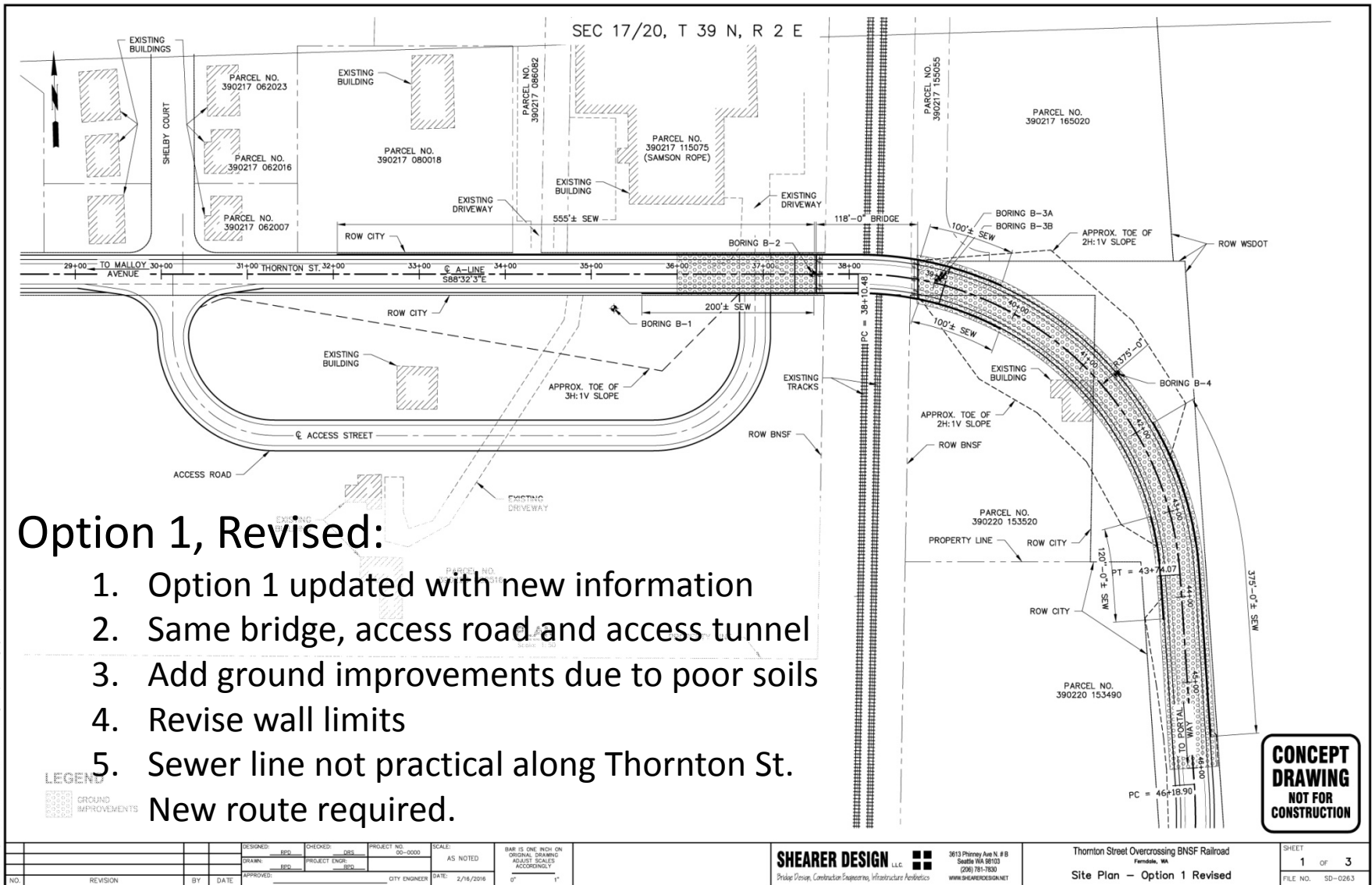
1. Single span bridge over railroad
2. Access Road on south side of Thornton St.
3. Tunnel through fill walls for access to Samson Rope



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Option 1, Revised:

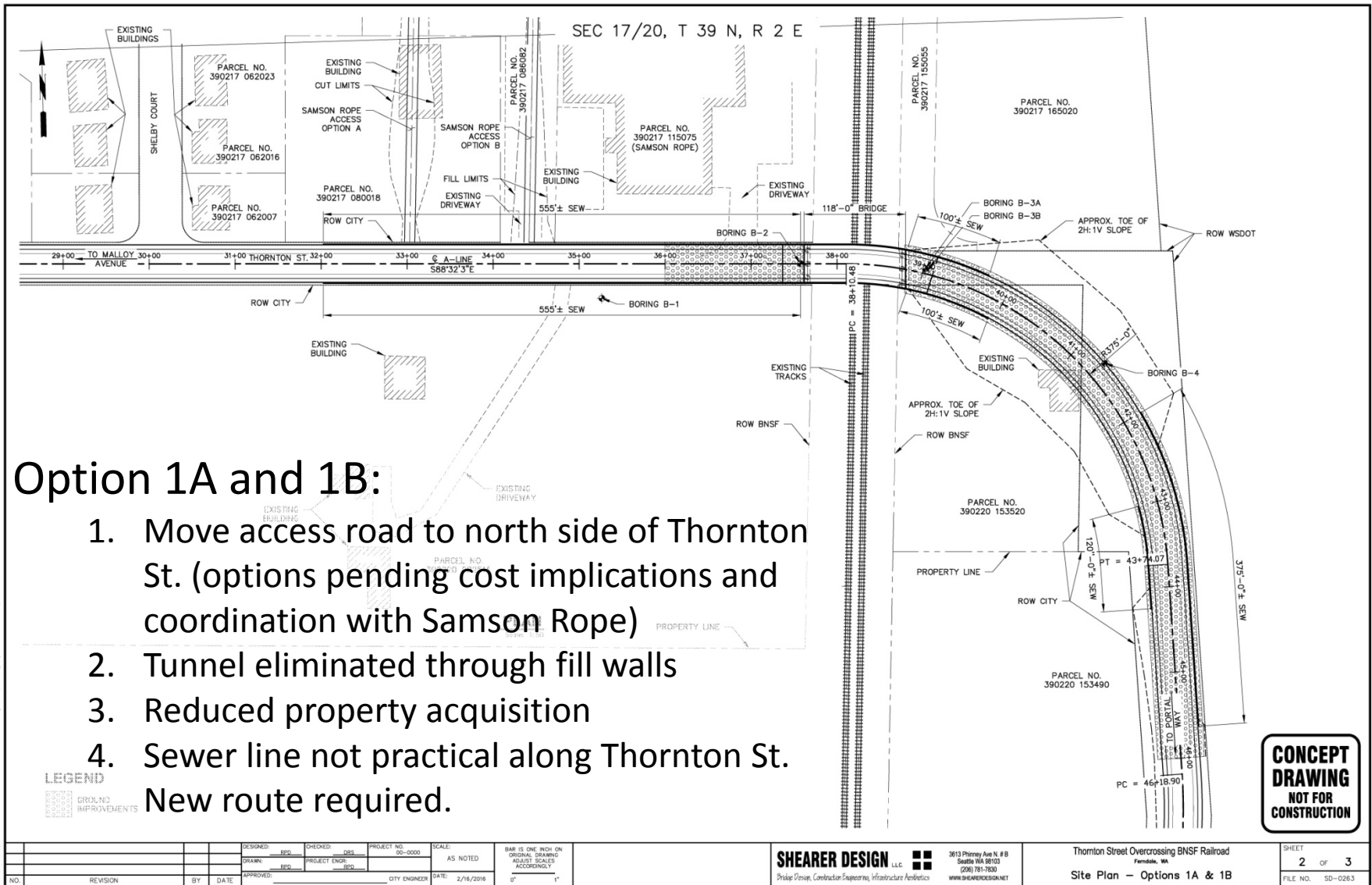
1. Option 1 updated with new information
2. Same bridge, access road and access tunnel
3. Add ground improvements due to poor soils
4. Revise wall limits
5. Sewer line not practical along Thornton St. New route required.



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Project Cost Summary:

	OPTION			
	1A	1B	5A	5B
PRELIMINARY ENGINEERING	\$ 4,445,000.00	\$ 4,350,000.00	\$ 5,025,000.00	\$ 4,925,000.00
RIGHT OF WAY	\$ 500,000.00	\$ 170,000.00	\$ 500,000.00	\$ 170,000.00
CONSTRUCTION	\$ 22,570,000.00	\$ 22,450,000.00	\$ 25,600,000.00	\$ 25,430,000.00
TOTAL	\$ 27,515,000.00	\$ 26,970,000.00	\$ 31,125,000.00	\$ 30,525,000.00



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Moving Forward:

1. Determine access road alignment
2. Complete field survey
3. Create project base map
4. Complete preliminary wetland and archeological investigations
5. Continue preliminary environmental process
6. Complete 30% road and bridge design Phase 1
7. Begin detailed design work (dependent on project schedule and funding)



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Current Funding Schedule: (Connecting WA Funding)

- 2015-2017 \$ 3.000 Million
 - 2017-2019 \$ 0.000 Million
 - 2019-2021 \$ 11.167 Million
 - 2021-2023 \$ 5.000 Million
- Total \$ 19.167 Million



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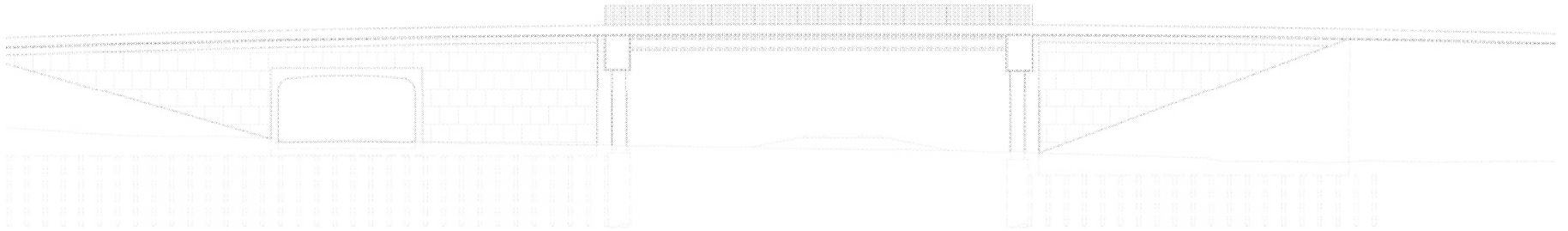
Resulting Project Schedule:

- Complete 30% Design, Phase 1 (in progress) 05/2016
- Complete 30% Design, Phase 2 08/2016
- Begin Environmental and ROW 01/2017
- Complete Final PS&E, Environmental and ROW 12/2017
- Advertise for Construction 02/2019
- Award Construction Contract 05/2019
- Construction 2019-2023

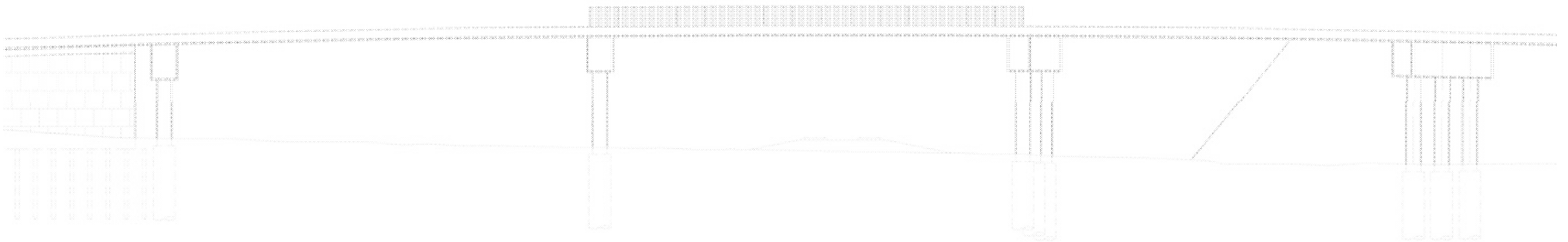


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QUESTIONS / COMMENTS



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