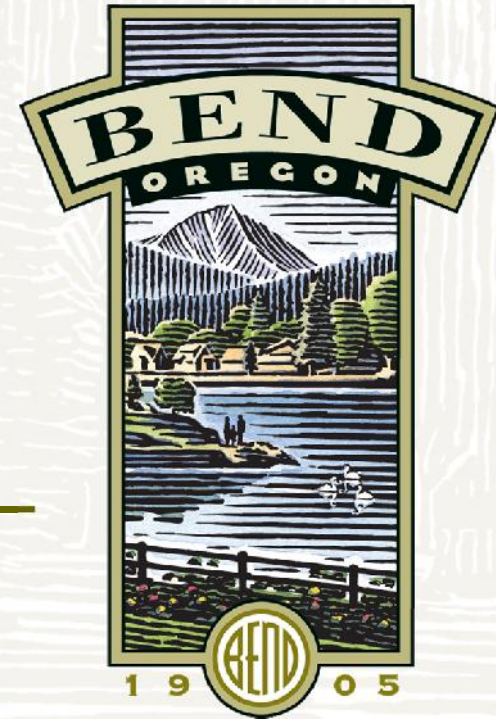

Colorado Lift Station

SIAG Update



*Prepared by: Aaron
Collett*

March 13, 2014

Project Status

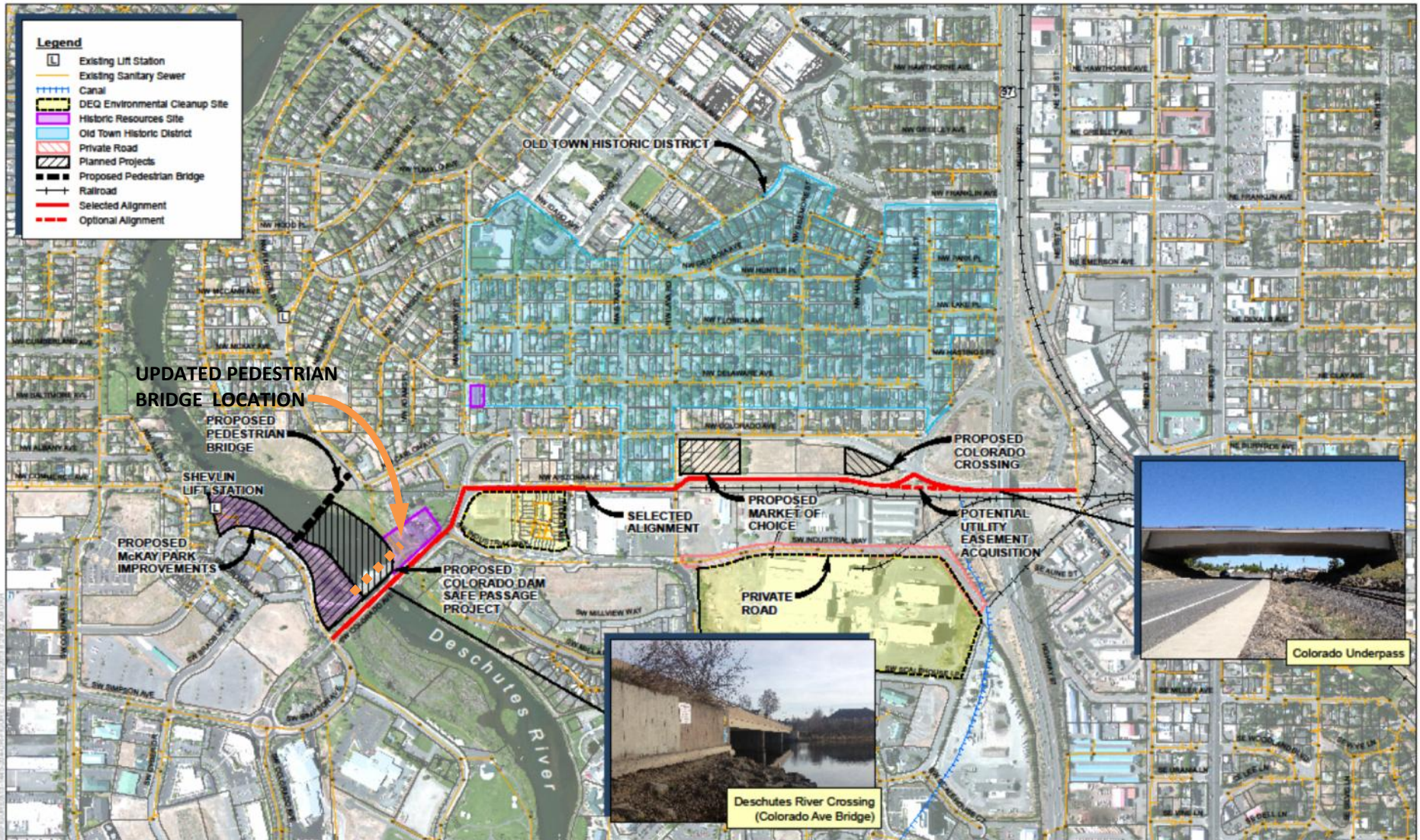


- Phase 1 Complete
 - 30% Design completed
- Phase 2 (approved by Council)
 - Starts final design phase (60%-Final)
 - Engineering support through bid and construction

Phase 1 Goals



- Evaluated design alternatives and selected the preferred approach
 - Lift Station Location
 - River crossing method
 - Force main route
 - Lift station service area and size
- Developed detailed scope and fee for Phase 2 for Council approval
 - Approved by Council February 19, 2014



DRAFT
City of Bend Colorado Lift Station Project
Work in Progress - Subject to Change

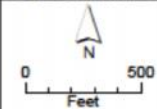


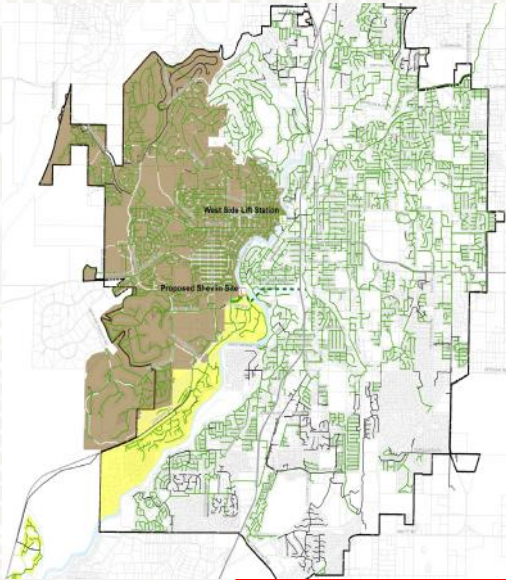
Figure 7-2
Force Main
Selected Alignment

Colorado LS Loading Scenarios



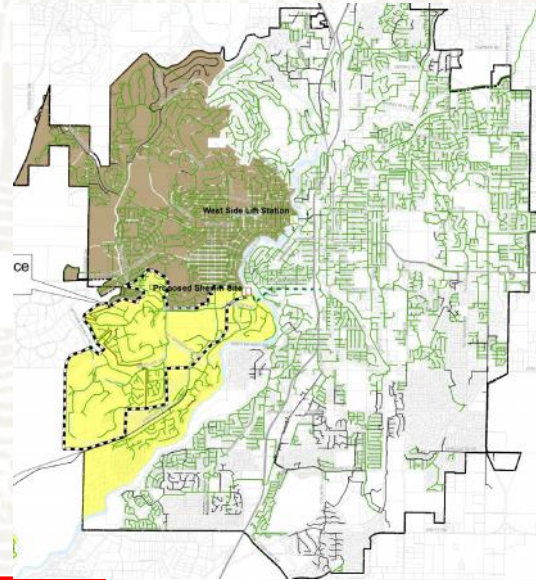
\$8.6 M

Scenario 1



\$10.0 M

Scenario 2

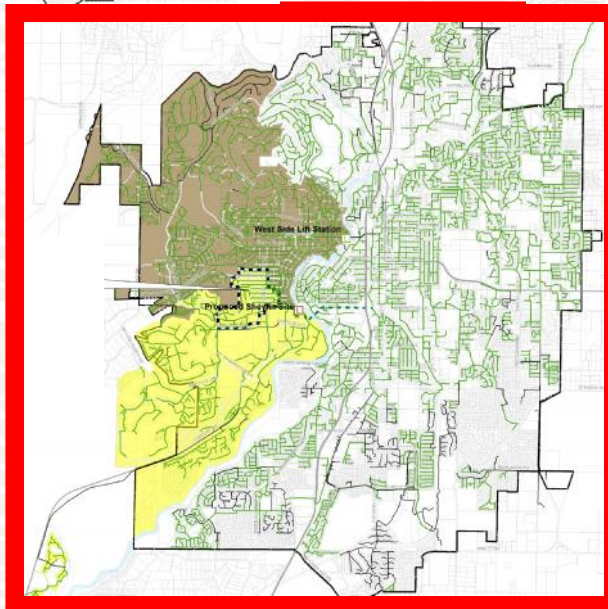


Legend

- Colorado Basin
- Westside Basin

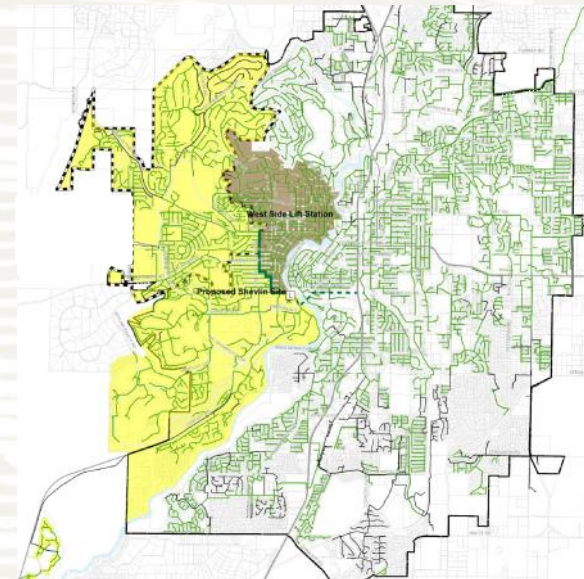
\$13.4 M

Scenario 3



\$19.3 M

Scenario 4



August 2013 SIAG
Update to Council.

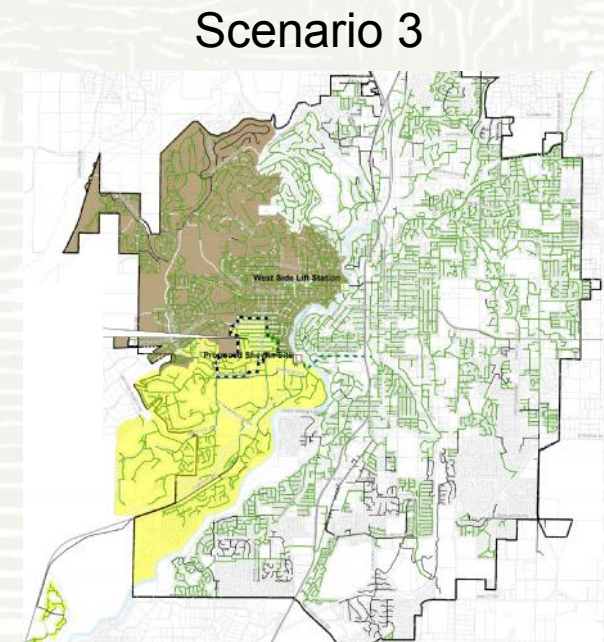
Selected

*Class 5 cost estimates (+50%, - 30%)

Selected Scenario and Cost



- Long-Term & Short Term Solution
- \$13.4 Million project cost*
- Serves area in Scenario 3 (yellow) for 20+ years
- Recommended by SIAG
 - Staff preferred Scenario 4 for flexibility & redundancy
 - Designing flexibility into Scenario 3 for future expandability



*Class 5 cost estimates (+50%, - 30%)

Outreach/Community



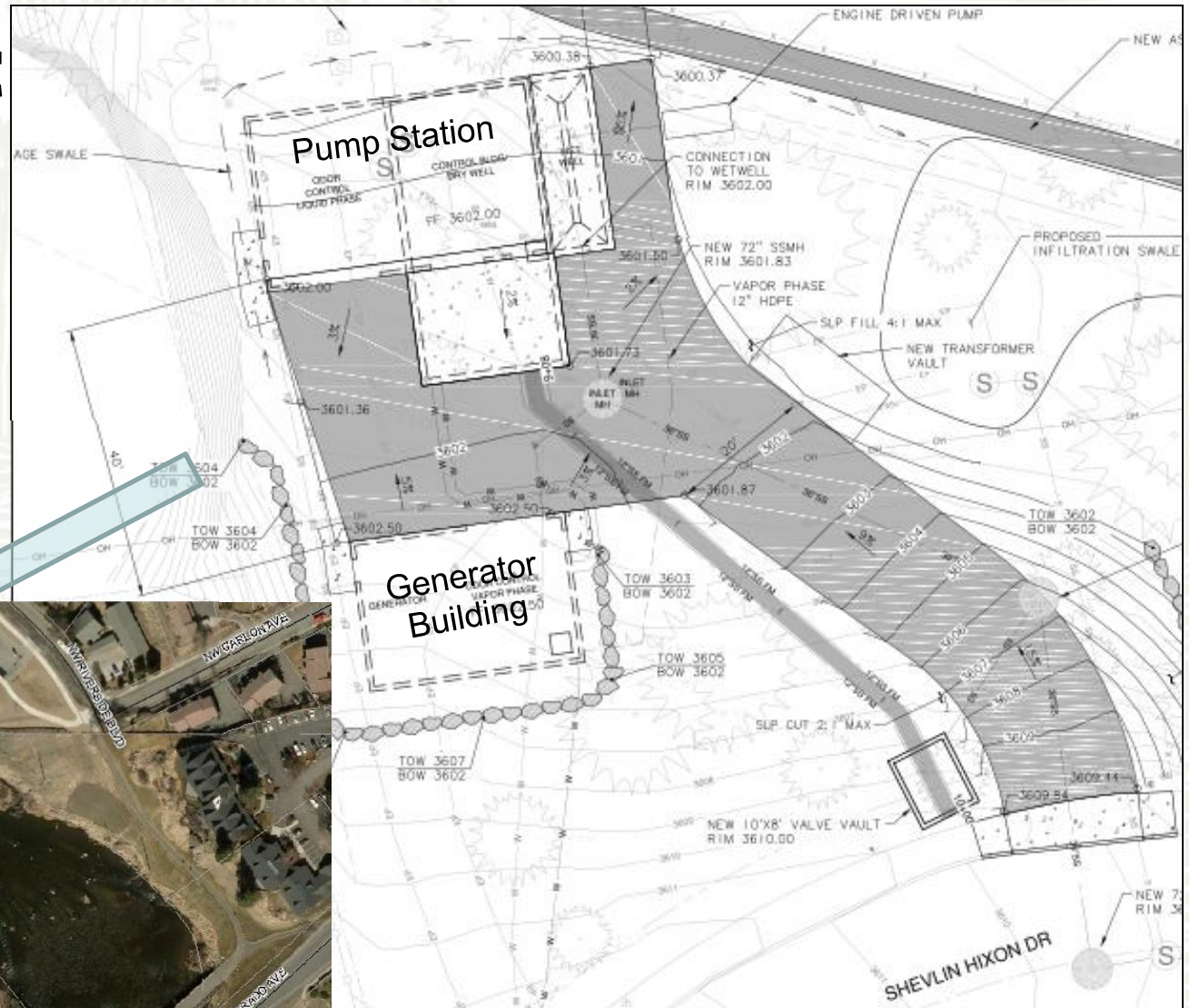
- Ongoing coordination
 - SIAG
 - Bend Parks & Recreation
 - Street's Department
- Developing Outreach Plan
 - Stakeholders such as Bend Parks & Recreation, Old Mill District, Water Overlay Zone, residents, businesses, etc.
 - Conduct open houses and outreach to educate public about project
 - Leverage internal resources of City **Business Advocate** and **Community Relations Manager**
- Goal - minimize disruption during construction

Other Noteworthy Items

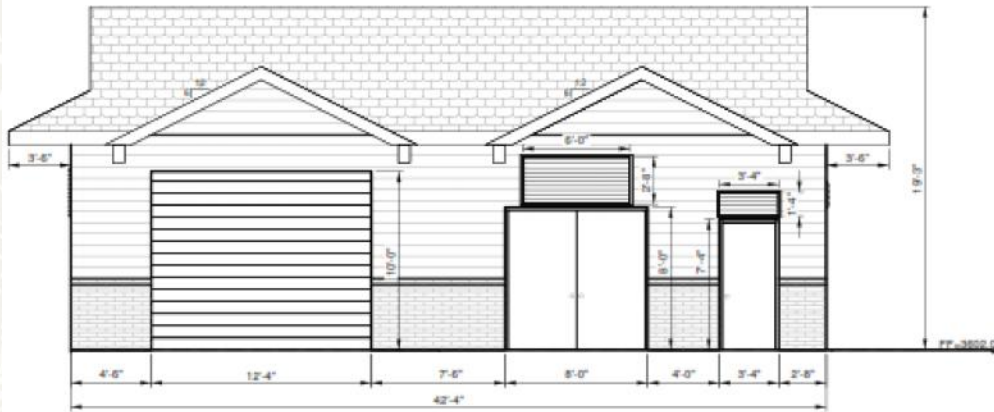


- **Deschutes agreement**
 - A Colorado Lift Station accommodates future growth at Deschutes Brewery
 - Funds previously negotiated towards a Columbia sewer improvement will be contributed to offset a portion of Colorado Lift Station cost
- **Station provides service through build-out for the Old Mill District**

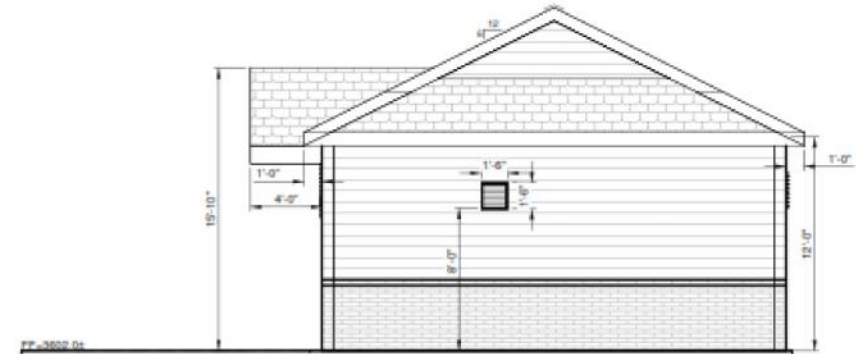
Site Layout Concept (30% Draft)



Building Elevation Examples*

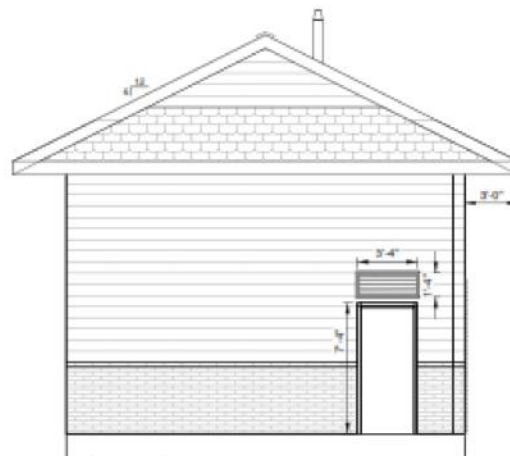
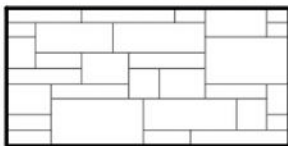


LIFT STATION SOUTH ELEVATION
SCALE: 1/2"=1'-0"

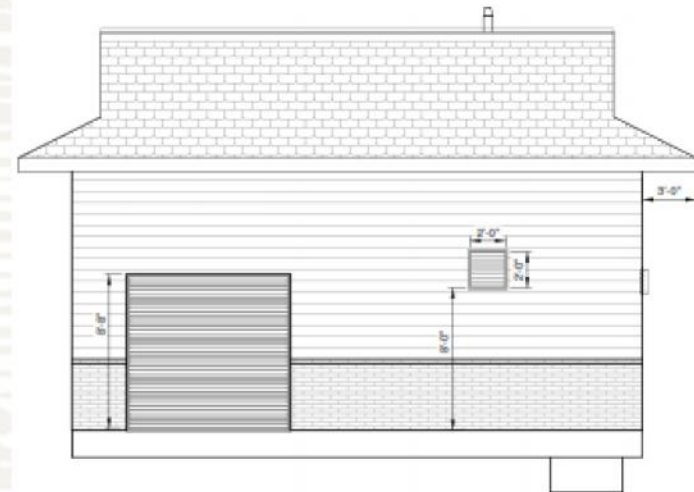


LIFT STATION EAST ELEVATION
SCALE: 1/2"=1'-0"

Example block pattern
– Courtesy Bend Parks
& Recreation



GENERATOR BUILDING WEST ELEVATION
SCALE: 1/2"=1'-0"



GENERATOR BUILDING SOUTH ELEVATION
SCALE: 1/2"=1'-0"

*30% Draft
Concepts

City of Bend

Schedule Assumptions



- Council Approval of Phase 2 – February 19
- Complete Design ~ 7-8 months
- Bidding Process ~ 2 months
- Construction ~ 1 year

Questions?



Thank you.