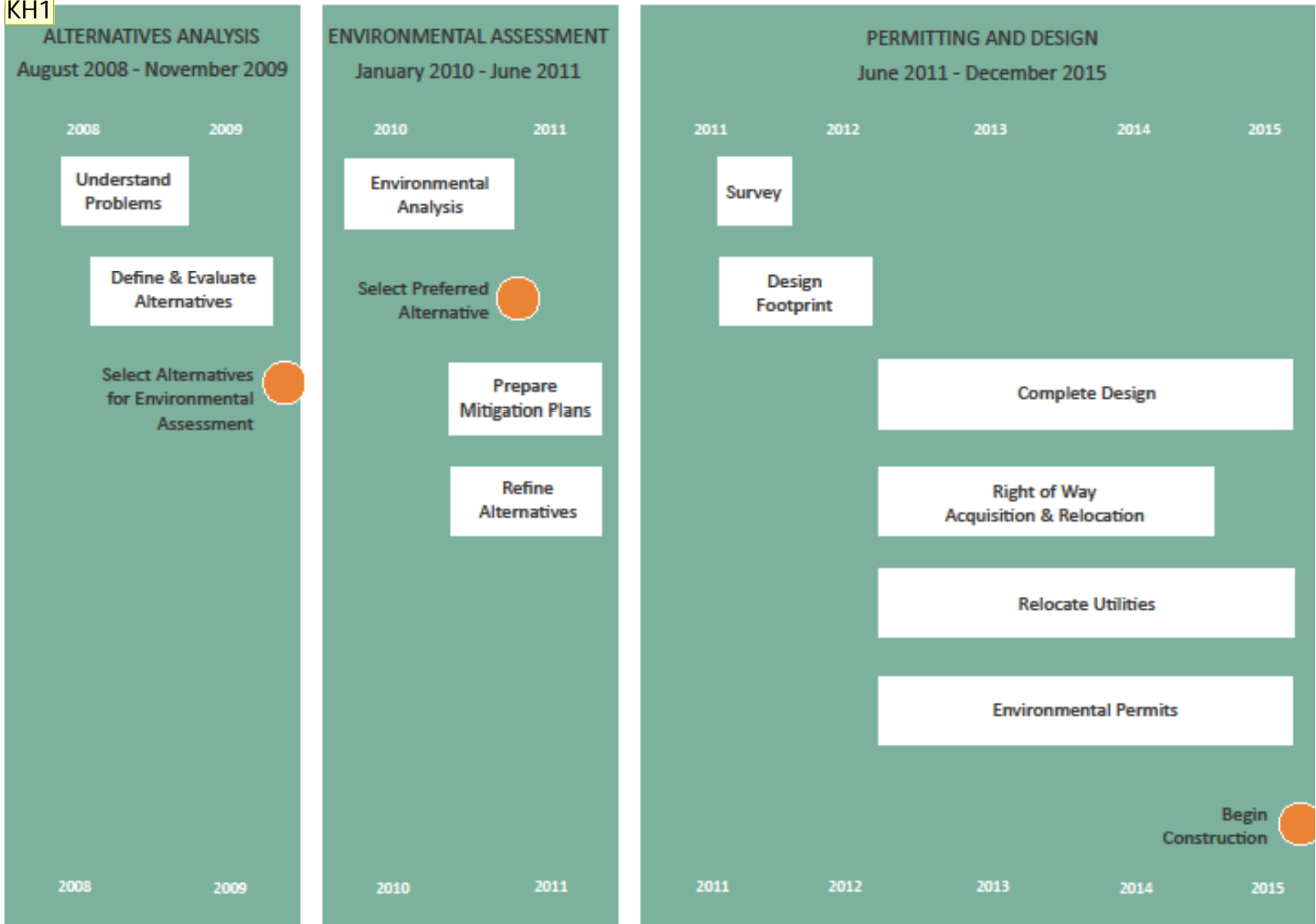




Project update

September 27, 2010

KH1



Slide 2

KH1

Update to show new schedule

Kristin Hull, 9/21/2010

Updates: Extend Pacific Avenue North (Alt 2)

- Floodplain impacts
 - Initial design caused a net rise
 - Revised design to include structured approaches both north and south of the Slough
- Transportation results
 - Extended planning horizon from 2030 to 2036
 - Need to consider some refinements to this alternative to improve transportation performance in long-term



Replace US 101 Bridge Design Refinement

Replace US 101 Bridge (Alt 1) Refinement

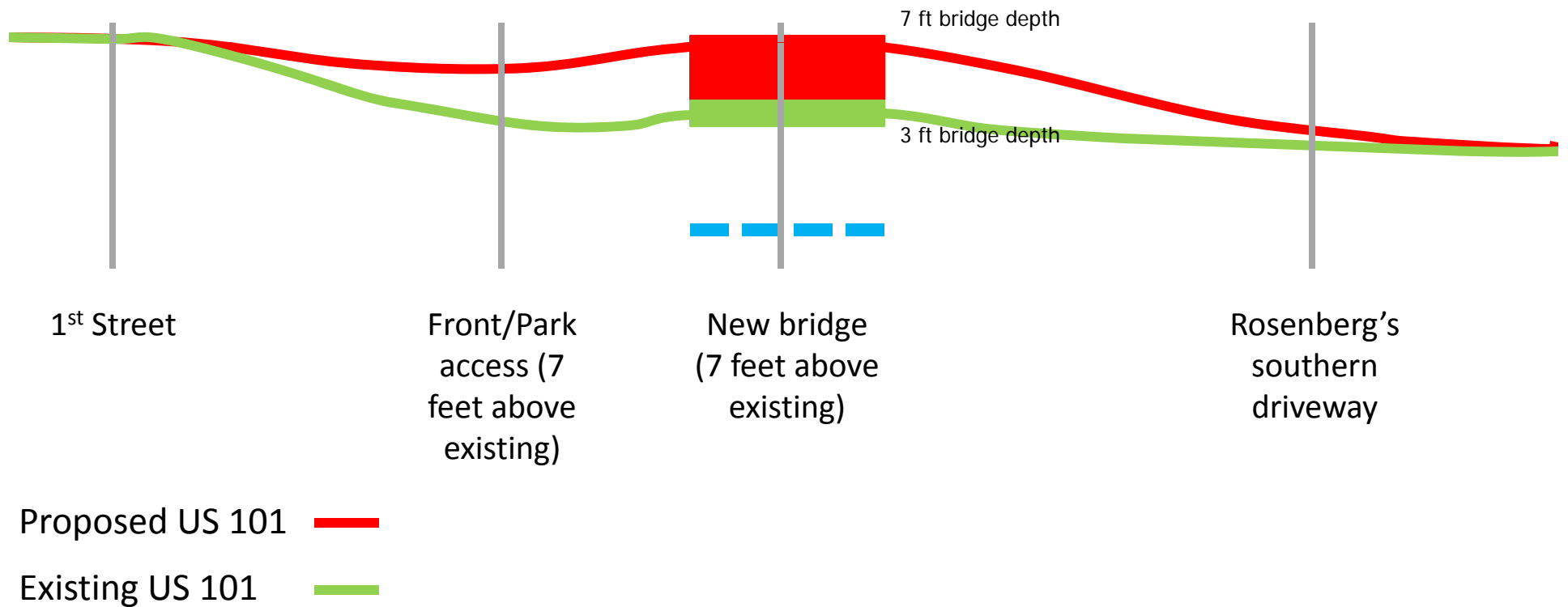
Choices

- Build bridge 2 feet above 100 year flood elevation
- Build bridge within the 100 year flood elevation

Policy context

- Project Exodus, when implemented, will reduce 100 year flood elevation, but will not change the height of US 101 (*the highway will still flood at times*)
- **Key requirement related to bridge height** is to meet City's "no net rise" code

Option 1: 2' above 100 year flood elevation



Slide 6

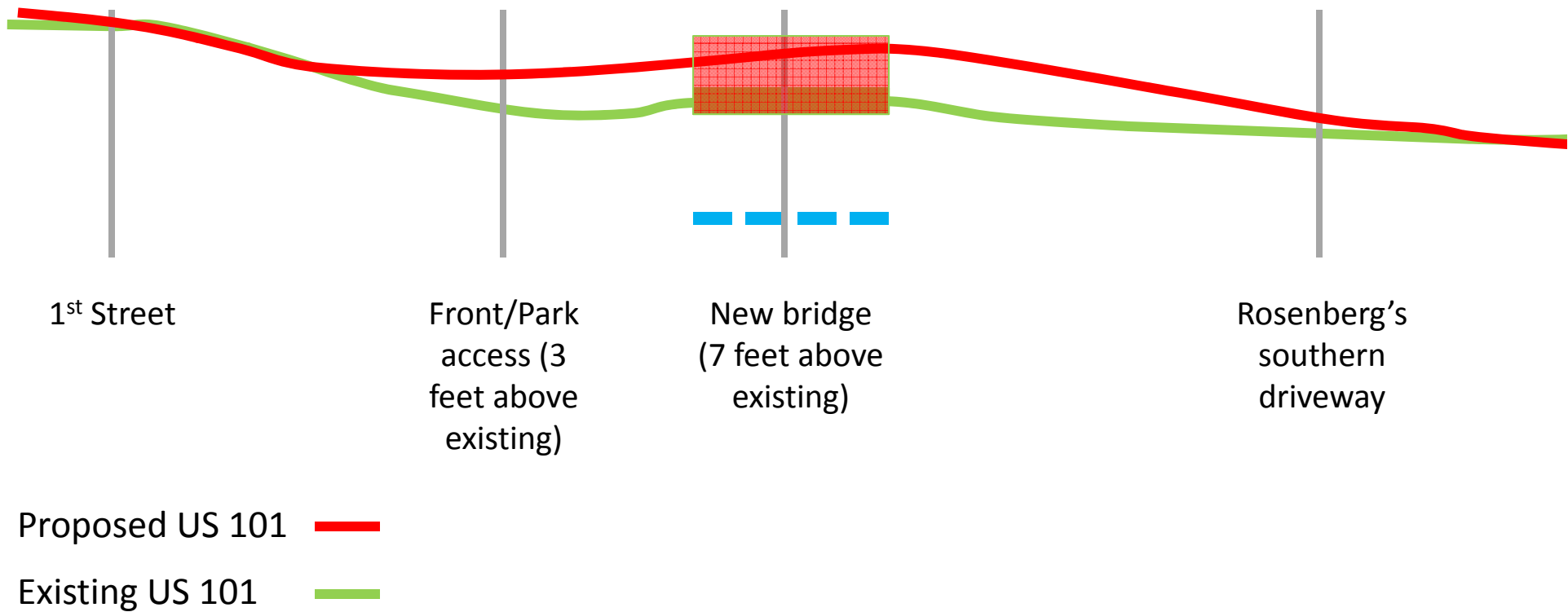
KH2

Update with new profiles

Kristin Hull, 9/21/2010

KH2
KH4

Option 2: Within 100 year flood elevation



Slide 7

KH3 **Update with new profiles**
Kristin Hull, 9/21/2010

KH4 **Update**
Kristin Hull, 9/21/2010

	2' above 100 year	Within 100 year
Bridge deck height	10-12' higher than existing	5-7' higher than existing
Change in 100 year flood elevation	Reduces by 0.1 foot	No change (no net rise)
Cost (w/out ROW)	\$7.95M	\$7.45M
Business impacts	Relocates Burden's Eliminates 4 driveways	No relocations Eliminates 1 driveway
Front Street/101	Reconstructs intersection	Reconstructs intersection
Trail parking	Reconstructs trail parking lot	Reconstructs trail parking lot
Natural environment	Same impacts/benefits	Same impacts/benefits
Parks	High retaining walls	Lower retaining walls
Access during 100 year flood events	Bridge won't likely flood	Bridge will flood when US 101 floods
Construction materials	Standard materials	Potentially requires corrosion-resistant materials
Design guidelines	Meets design guidelines	Requires deviation

Replace US 101 Bridge (Alt 1) Refinement

- Question for discussion:
 - What are the benefits and drawbacks of constructing the bridge 2' above the 100 year flood elevation?
 - What are the benefits and drawbacks of constructing the bridge within the 100 year flood elevation?

Decision-making process for design refinement

