Washington State Department of Transportation

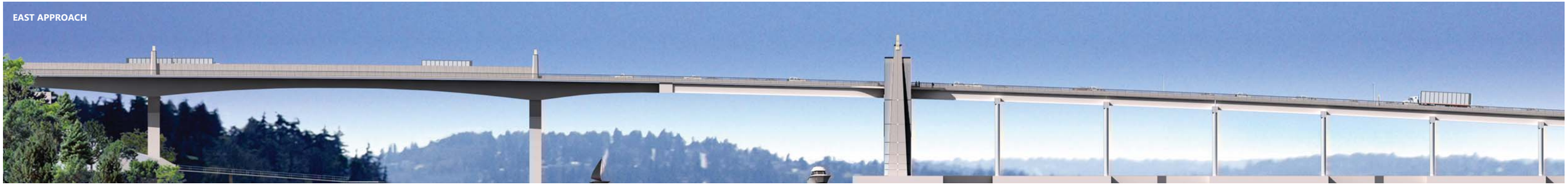
SR 520 Bridge Replacement and HOV Program

I-5 to Medina: Bridge Replacement and HOV Project

STATE ROUTE 520

Floating Bridge Elevations

EAST APPROACH



LOWRISE LONGITUDINAL PONTOONS

WEST APPROACH

kpff

BergerABAM

Helix design group

KGM

05-OCT-2011

Washington State Department of Transportation

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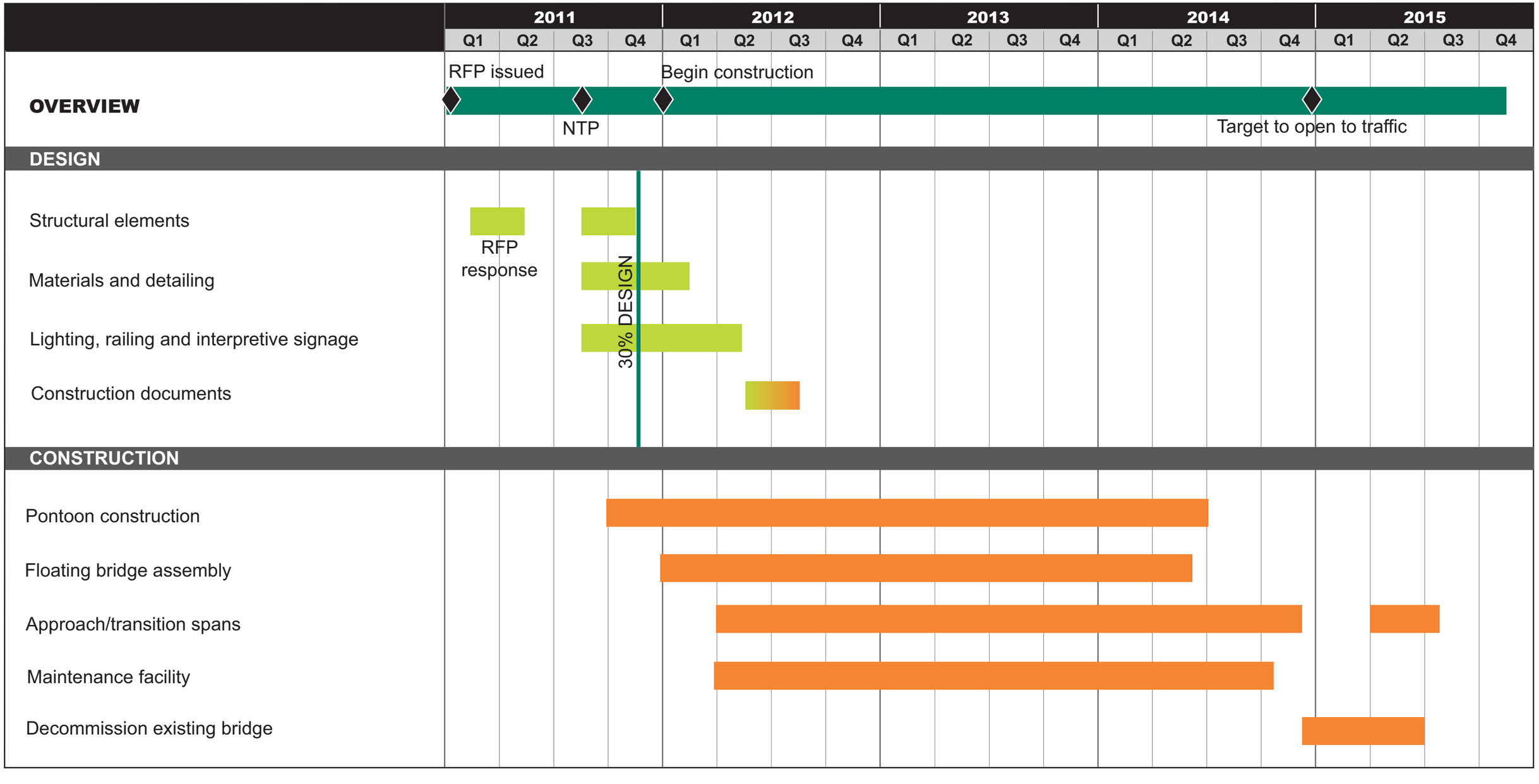
DRAFT - Floating Bridge Schedule

October 2011



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SR 520 Bridge Replacement and HOV Program

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STATE ROUTE 520

WSDOT Sustainability Priorities in the RFP:

- Reducing greenhouse gas emissions
- Reusing and recycling materials
- Using existing industrial facilities or Brownfield sites
- Minimizing aquatic impacts
- Measuring, monitoring and reporting results

KGM Proposal Includes:

Reducing Greenhouse Gas Emissions by:

- Developing a more efficient design that utilizes less materials
- Reducing truck trips or length of trips
- Minimizing tug boat trips
- Incorporating energy-efficient equipment as much as possible
- Implementing employee commute trip reduction (CTR) programs

Minimizing, reusing and recycling materials by:

- Developing designs that minimize pilings and other materials
- Reusing and recycling materials to avoid landfills
- Incorporating recycled materials into the project
- Decommissioning the floating bridge instead of demolishing it
- Using industrial sites/Brownfield facilities for pre-cast elements and other off-site construction needs

Minimizing aquatic impacts by:

- Reducing amount of water used during construction
- Minimizing permanent lakebed disturbance
- Minimizing shading near eastern shore
- Improving water quality with enhanced groundwater infiltration and enhanced stormwater treatment

Measuring, monitoring, and reporting results by:

- Working closely with WSDOT sustainability manager to develop effective/quantifiable measures and a verifiable monitoring system
- Coordinating with WSDOT to report results of the sustainability measures

kpff BergerABAM Helix KGM

05-OCT-2011