

Seabrook-Hampton Bridge Project 15904
Neil R. Underwood Bridge (235/025)

Public Advisory Committee Meeting

July 2018



Innovative Planning
BETTER COMMUNITIES

Agenda

Seabrook-Hampton Bridge Project 15904
Neil R. Underwood Bridge (235/025)

- Welcome and Introductions
- Role of Public Advisory Committee
- Project Background
- Approach to Project
- Key Considerations
- PAC Feedback
- Next Steps

Public Advisory Committee (PAC) Role

Seabrook-Hampton Bridge Project 15904
Neil R. Underwood Bridge (235/025)

- Share knowledge about local conditions & concerns
- Communicate with community groups, neighbors about project
- Provide guidance and feedback to the project team



Vital Transportation Link

Seabrook-Hampton Bridge Project 15904
Neil R. Underwood Bridge (235/025)

- Vital infrastructure link connecting Hampton and Seabrook
- Carries up to 18,000 vehicle per day during peak periods
- Twelve steel girder approach spans and one bascule span
- Approximately 1,199 feet long by 33 feet wide



Bridge History

Seabrook-Hampton Bridge Project 15904
Neil R. Underwood Bridge (235/025)

- Constructed in 1949
- Replaced “Mile-Long” Bridge at the crossing
- Named for Neil R. Underwood, Hampton resident killed in World War II
- One of two remaining bascule bridges in the state



A Bascule Bridge

Seabrook-Hampton Bridge Project 15904
Neil R. Underwood Bridge (235/025)

- Bascule span opens to allow vessels to pass through
- Mechanical system lifts bridge, using counterweights to “balance” the span
- “Bascule” is French for “seesaw”
- Bridge type rare in NH because of limited shoreline and navigable rivers



History of Repairs & Rehabilitation

Seabrook-Hampton Bridge Project 15904
Neil R. Underwood Bridge (235/025)

- Saltwater environment increases need for maintenance
- Rehabilitated multiple times, including in 1963, 1978, 1983, 1990, 2002 and 2010
- Emergency repairs to the bascule span mechanical system undertaken in 2018



Project Need

Seabrook-Hampton Bridge Project 15904
Neil R. Underwood Bridge (235/025)

- Structurally deficient and functionally obsolete
- On NHDOT's "red-list"
- Long-term operational issues
- Improve pedestrian and bicycle mobility



Project Process

Seabrook-Hampton Bridge Project 15904
Neil R. Underwood Bridge (235/025)

- Evaluate existing condition of bridge
- Develop range of alternatives
- Prepare concept design and Type, Size and Location Study (engineering evaluation of alternatives)
- Evaluate impacts/effects of alternatives on range of natural and man-made resources
- Identify and ultimately select Preferred Alternative to carry into preliminary and final design phases

Alternatives

Seabrook-Hampton Bridge Project 15904
Neil R. Underwood Bridge (235/025)

- Rehabilitation
- Replacement with Fixed Bridge
- Replacement with Bascule Bridge

Key Considerations

Seabrook-Hampton Bridge Project 15904
Neil R. Underwood Bridge (235/025)

- Right-of-way
- Vessel traffic
- Driving public
- Pedestrians
- Bicyclists
- Historic resources
- Environmental resources
- Constructability
- Construction impacts



Environmental Compliance

Seabrook-Hampton Bridge Project 15904
Neil R. Underwood Bridge (235/025)

- Project Team will evaluate impacts/effects of action through:
 - Agency coordination
 - Environmental Assessment, prepared in accordance with National Environmental Policy Act (NEPA)
 - Section 106 consultation
 - Section 4(f) Evaluation
 - Section 6(f) compliance
 - Supporting studies

Neil Underwood and NH 1B Bridges

Seabrook-Hampton Bridge Project 15904
Neil R. Underwood Bridge (235/025)

- In 1994, NHDOT and FHWA signed Memorandum of Agreement for the Alexander Scammell Bridge in Dover
- Scammell Bridge was one of three bascule bridges in NH at the time
- MOA committed to preserving NH 1B Bridge in New Castle-Rye and Hampton's Neil Underwood Bridge except under exceptional circumstances
- NHDOT and FHWA began planning for the rehabilitation or replacement of the New Castle-Rye NH 1B Bridge in 2012
- Due to concerns expressed during Section 106 consultation process about loss of bascule bridge type, compliance for two projects being aligned

PAC Feedback

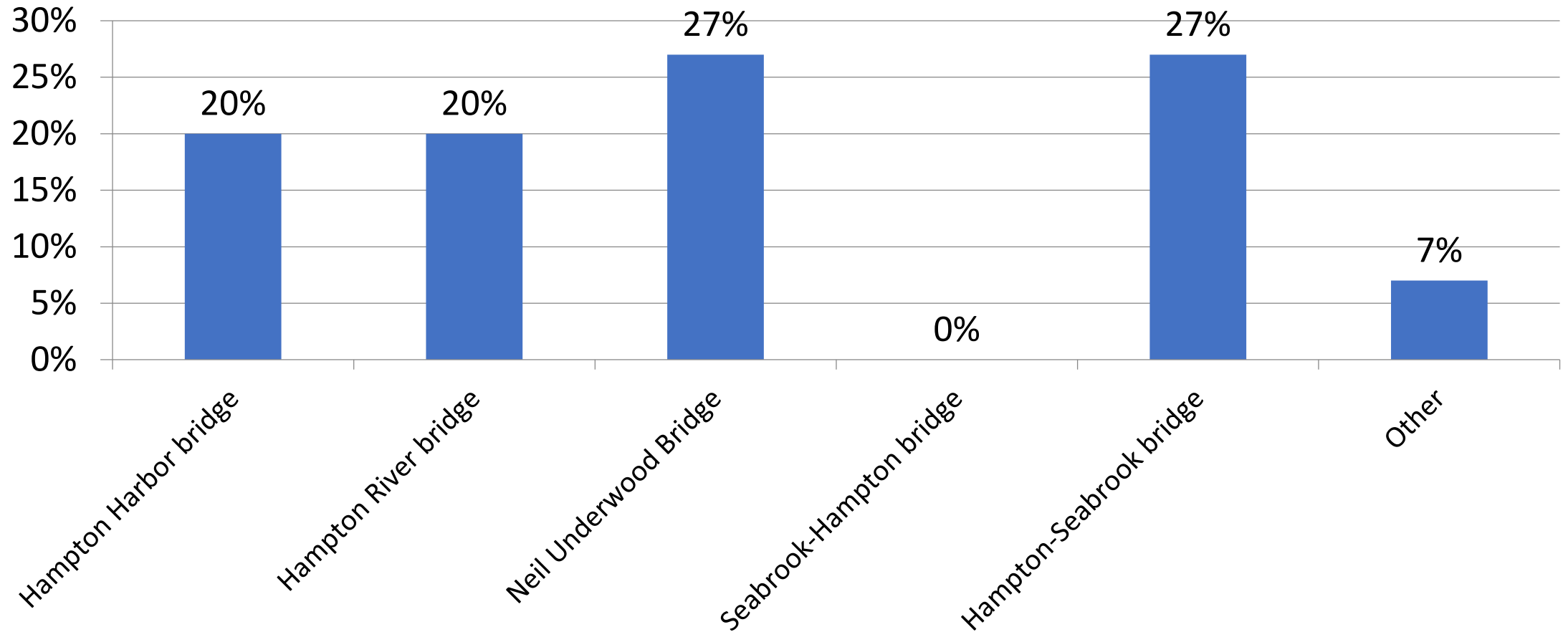
Seabrook-Hampton Bridge Project 15904
Neil R. Underwood Bridge (235/025)



What do you call the bridge?

1. Hampton Harbor bridge
2. Hampton River bridge
3. Neil Underwood Bridge
4. Seabrook-Hampton bridge
5. Hampton-Seabrook bridge
6. Other

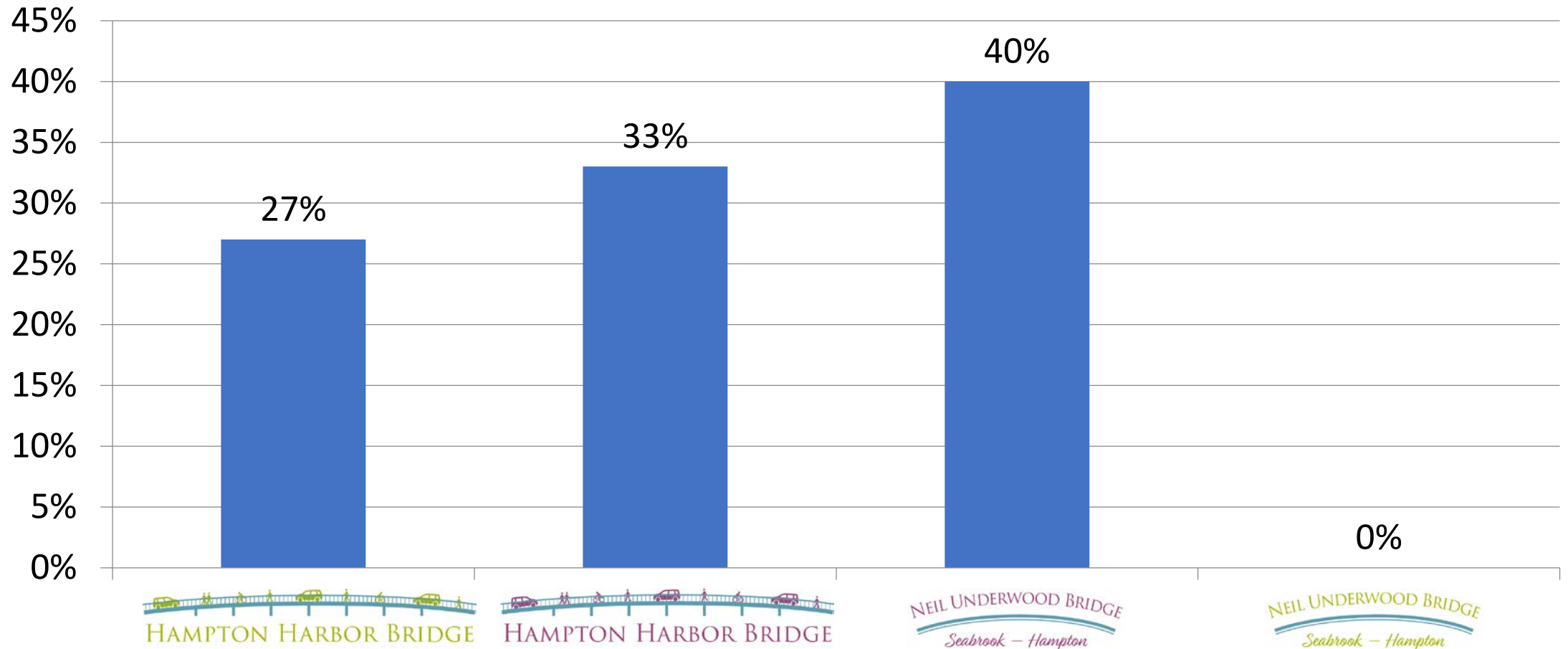
What do you call the bridge?



Which project logo example do you prefer?



Which project logo example do you prefer?

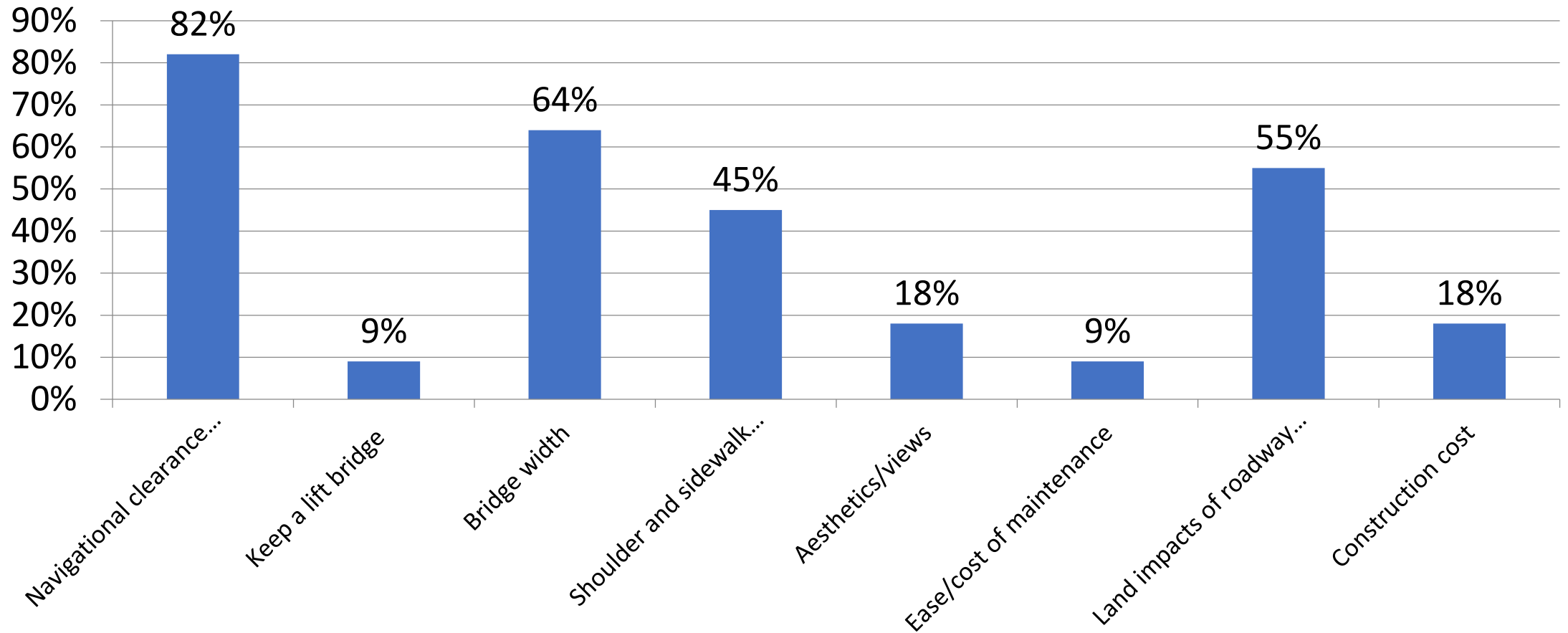


What design issues do you think most important for the team to consider? Choose **ONLY 3**

1. Navigational clearance (width/height) for vessels
2. Keep a lift bridge
3. Bridge width
4. Shoulder and sidewalk configuration
5. Aesthetics/views
6. Ease/cost of maintenance
7. Land impacts of roadway approaches to bridge
8. Construction cost

Select all
answers
(1,4,5) then
press SEND

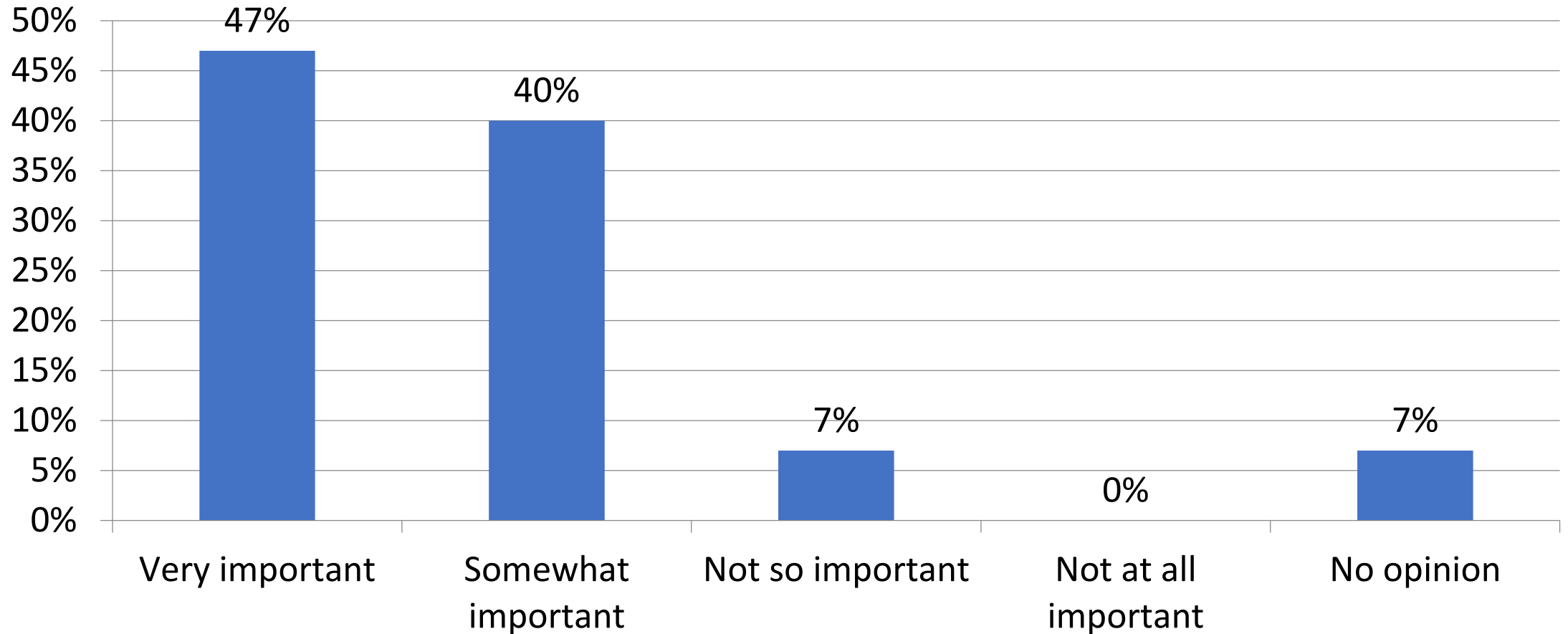
What design issues do you think most important for the team to consider? Choose ONLY 3



How important to you is access by bicyclists ?

1. Very important
2. Somewhat important
3. Not so important
4. Not at all important
5. No opinion

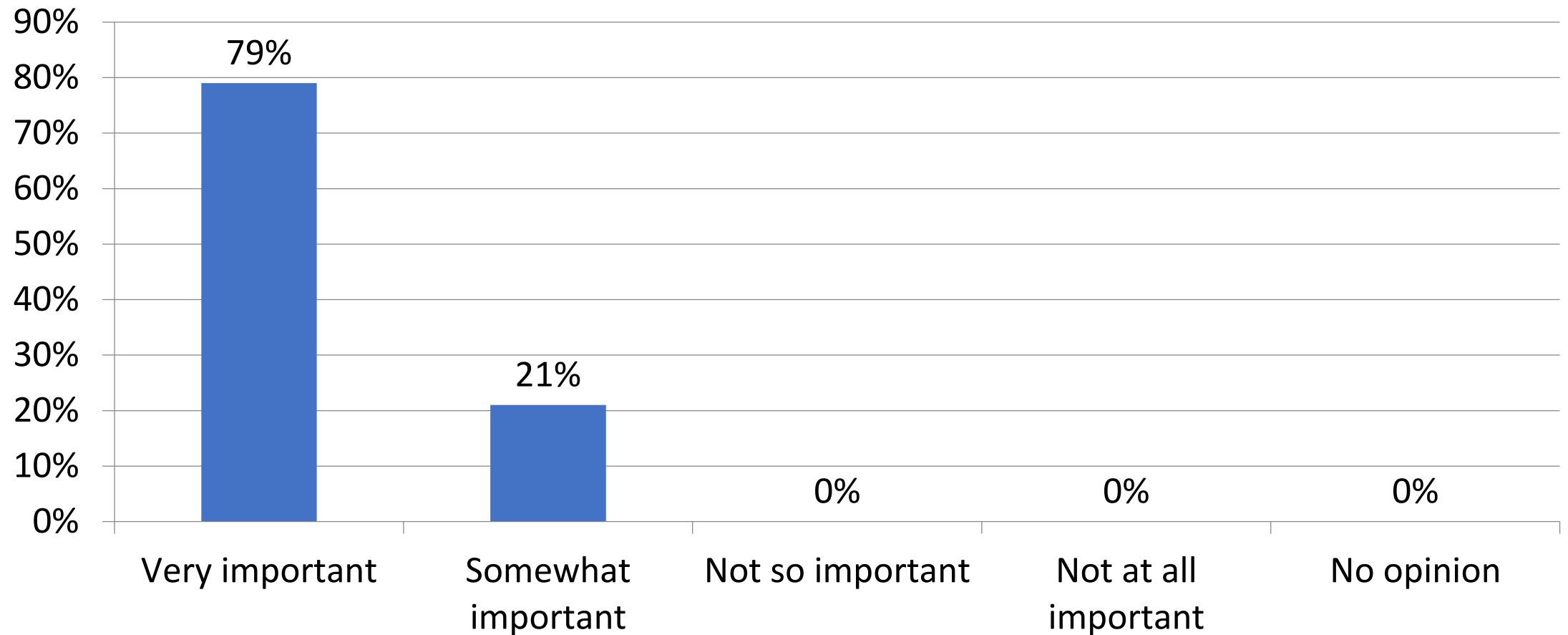
How important to you is access by bicyclists ?



How important to you is access by pedestrians?

1. Very important
2. Somewhat important
3. Not so important
4. Not at all important
5. No opinion

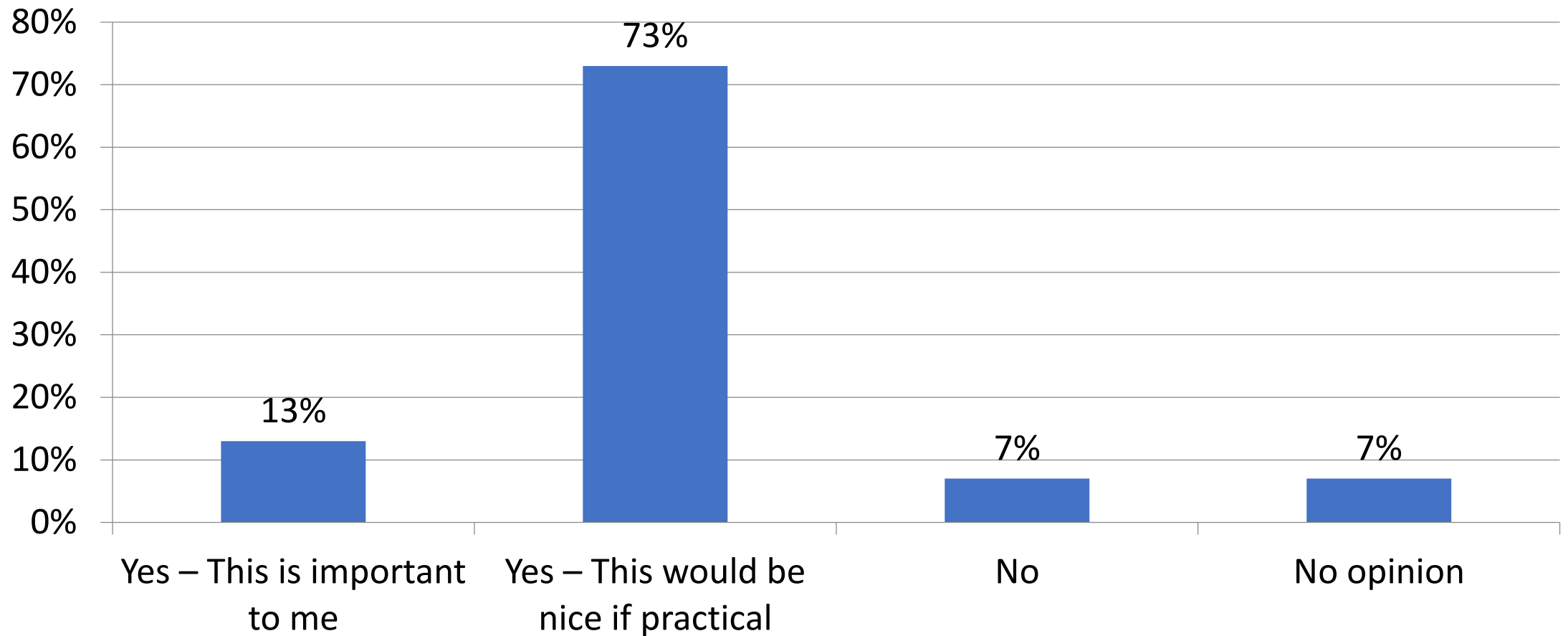
How important to you is access by pedestrians?



Should a viewing/fishing platform be incorporated into the design?

1. Yes – This is important to me
2. Yes – This would be nice if practical
3. No
4. No opinion

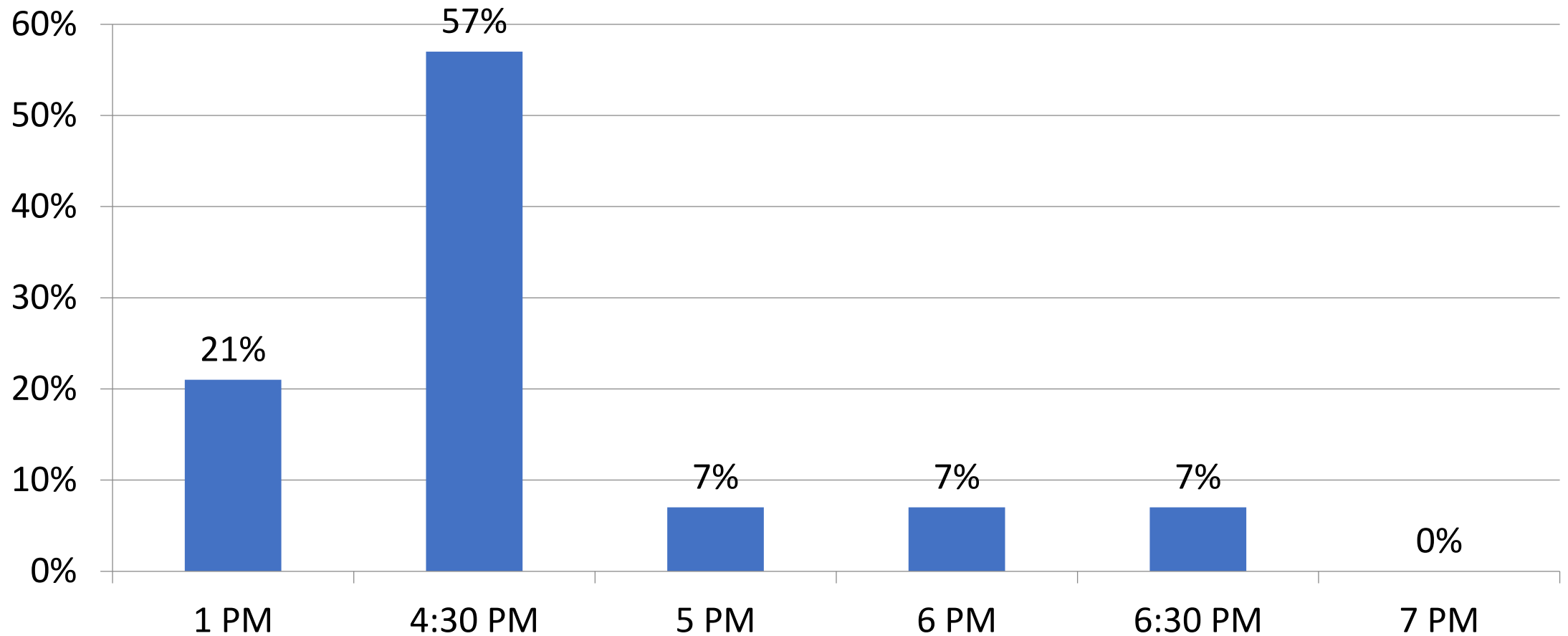
Should a viewing/fishing platform be incorporated into the design?



What is your preferred time for this committee to meet?

1. 1 PM
2. 4:30 PM
3. 5 PM
4. 6 PM
5. 6:30 PM
6. 7 PM

What is your preferred time for this committee to meet?

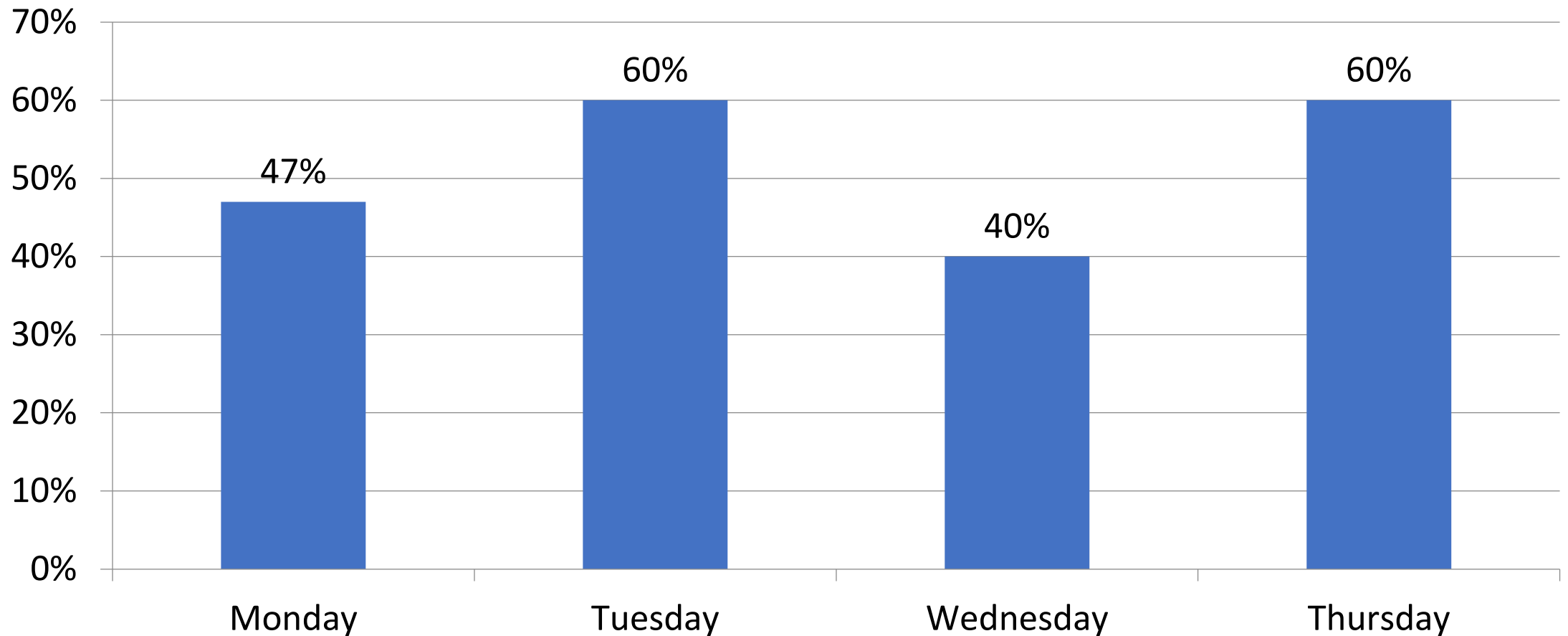


Is there a day of the week you prefer to meet? (choose up to 4 days)

1. Monday
2. Tuesday
3. Wednesday
4. Thursday

Select all
answers
(1,2,3,4)
then press
SEND

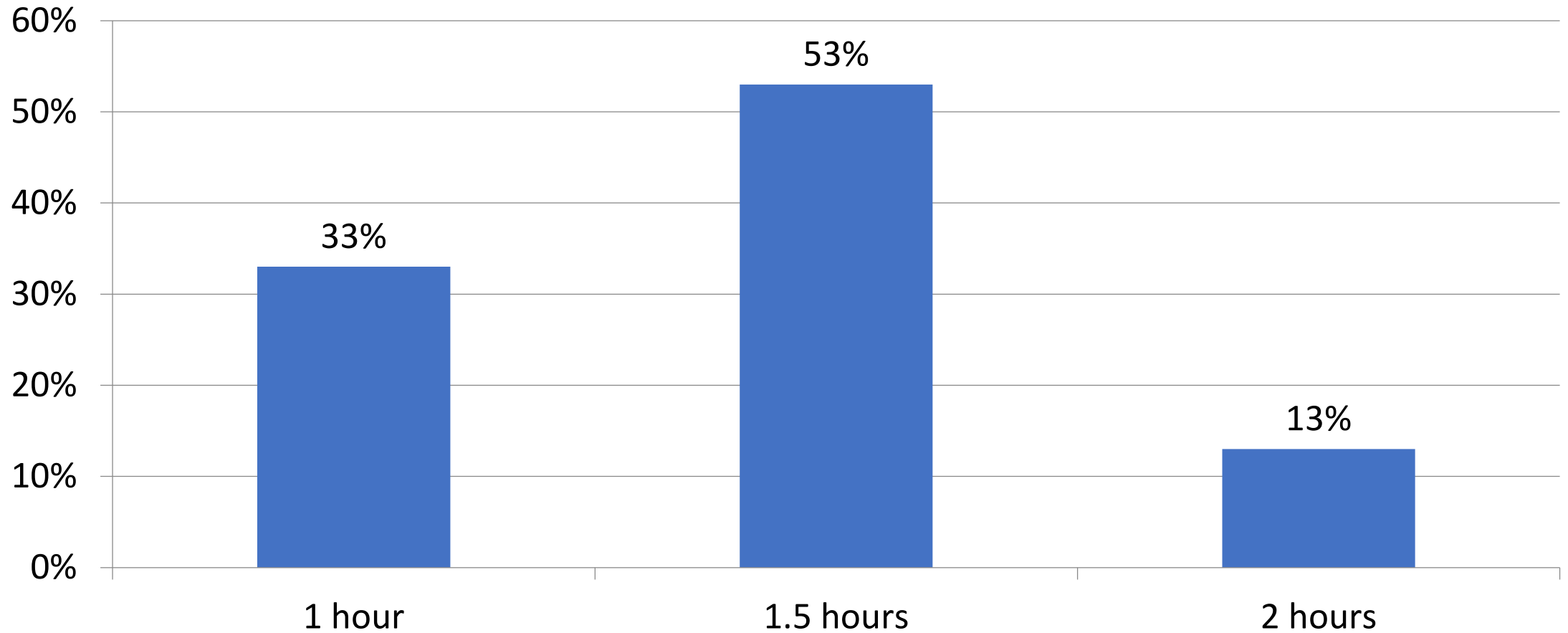
Is there a day of the week you prefer to meet? (choose up to 4 days)



How long do you want these committee meetings to last?

1. 1 hour
2. 1.5 hours
3. 2 hours

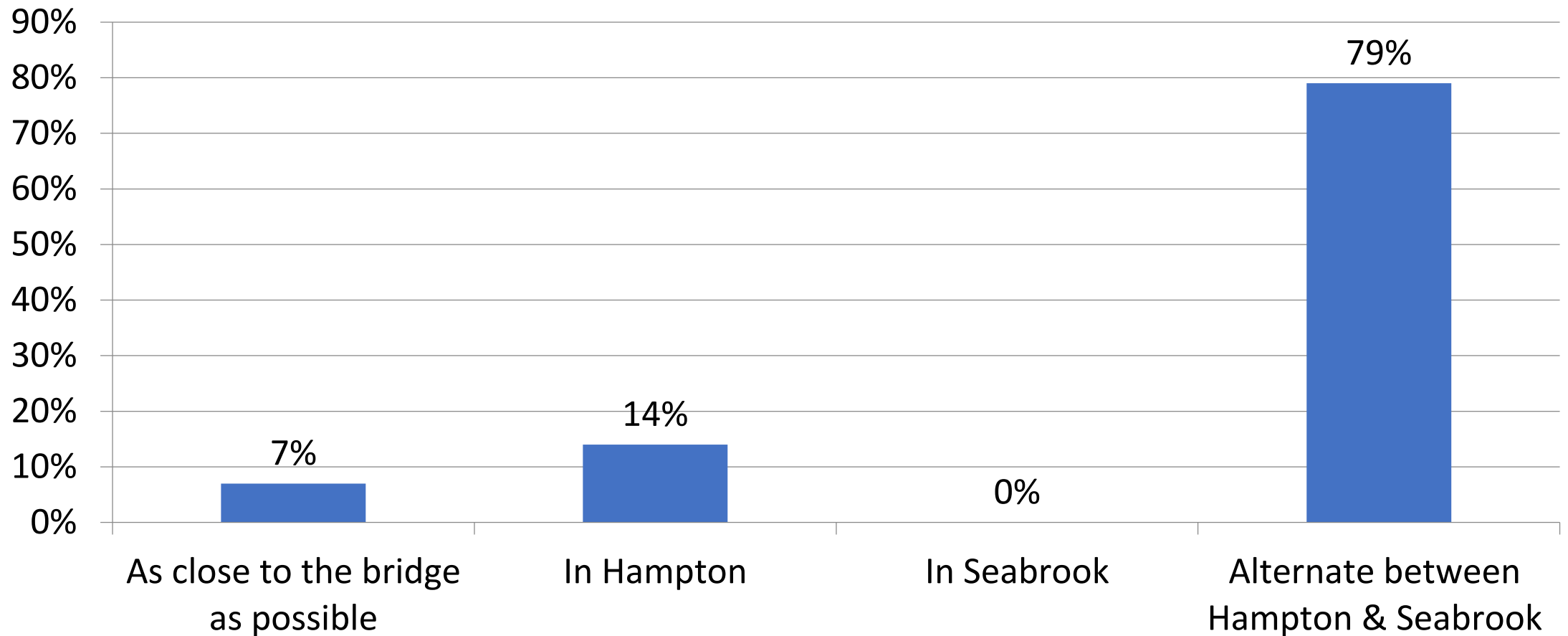
How long do you want these committee meetings to last?



Public meetings should be held...

1. As close to the bridge as possible
2. In Hampton
3. In Seabrook
4. Alternate between Hampton & Seabrook

Public meetings should be held...




Project Development Process

Seabrook-Hampton Bridge Project 15904
Neil R. Underwood Bridge (235/025)

PRELIMINARY DESIGN PROJECT SCHEDULE



 Project Milestone

 PAC Meeting

 Public Meeting

