Trabuco Canyon Road Bridge Replacement Project

Virtual Community Meeting | June 24, 2020

OC Public Works

WELCOME – THANK YOU FOR JOINING US!

Getting you started: Guidelines for today's meeting

Your Presenters

Tim Nguyen
Project Management

Shannon Widor
Communications

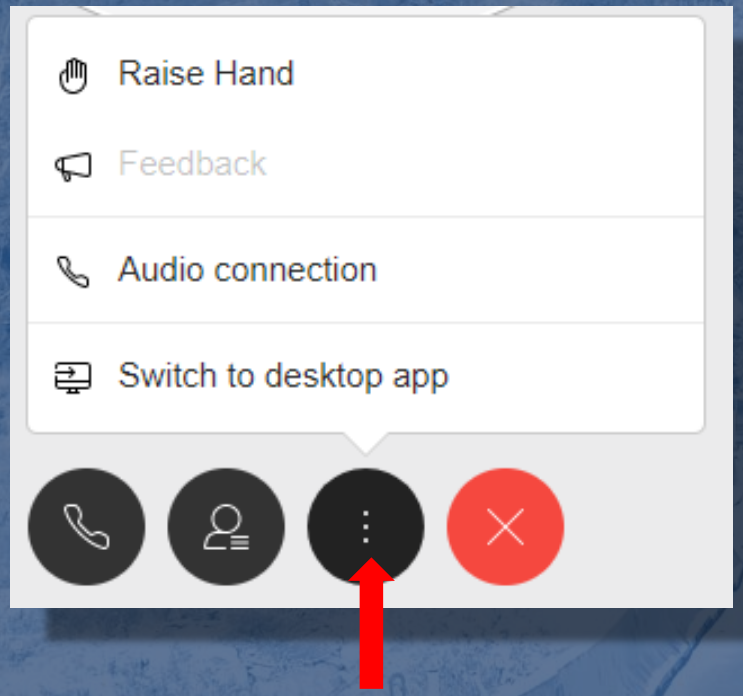
1. Today's presenters will move through various information slides
2. Attendees' phones are muted to avoid interruptions; please hold questions until Question & Answer period
3. During Question & Answer period, presenters will call on attendees who "raise hand" to ask questions/provide comments
4. Please be respectful of others' viewpoints and comments

TODAY'S AGENDA: WHAT YOU WILL SEE & HEAR

1. Project Purpose & Need
2. Project Process & Anticipated Timeline
3. Existing Bridge Conditions
4. Considerations When Replacing the Bridge
5. Three Bridge Replacement Options
6. Next Steps
7. Survey: Hearing Your Input on Bridge Preference
8. Questions & Answers Session

HOW YOU CAN ASK QUESTIONS, PROVIDE COMMENTS

1 If viewing presentation: Click "Raise Hand" option



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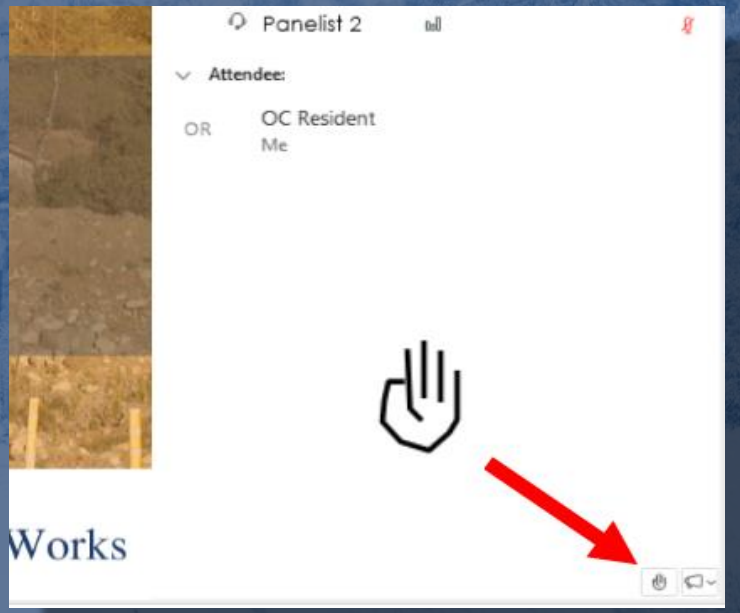

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A LOOK BACK:
LATE 2018 – EARLY 2019

PROJECT PURPOSE

- Bring bridge up to current State and Federal bridge standards
- Maintain continuous, safe access, including during emergencies

WHY IS THIS PROJECT NEEDED?

WHAT

OC Public Works proposes to replace the existing Trabuco Canyon Road Bridge over Trabuco Creek

WHY

The Trabuco Canyon Bridge over Trabuco Creek was constructed in 1980. The bridge is structurally deficient and functionally obsolete.

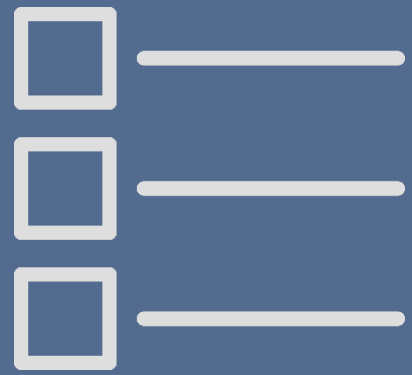
PURPOSE OF CONNECTING WITH YOU

Inform

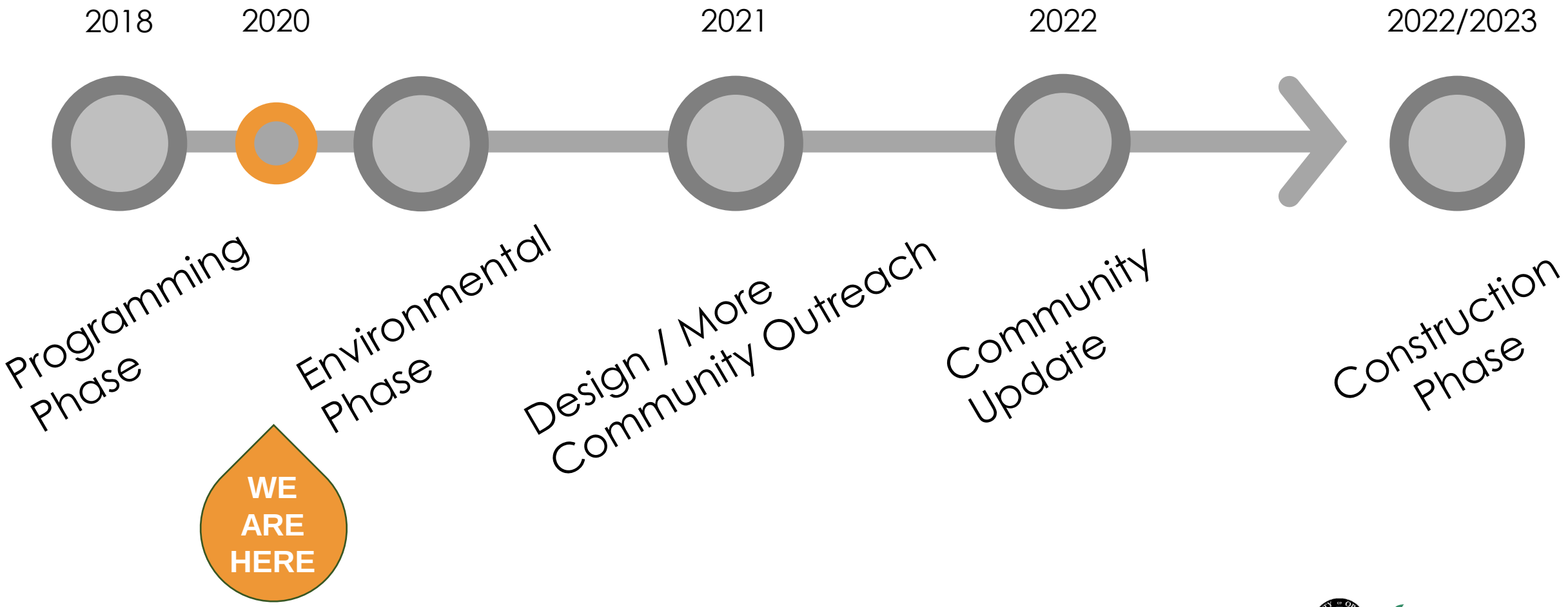
Provide Project Information

Engage

Hear Your Input



OCPW PROJECT PROCESS



EXISTING BRIDGE CONDITIONS

EXISTING BRIDGE CONDITIONS

- Constructed in 1980
- Withstands 2-year storm event
- Requires maintenance for moderate to heavy rain events
- High ongoing maintenance

BRIDGE REPLACEMENT CONSIDERATIONS

Accessibility

Environmental Elements

Construction Elements

OTHER CONSIDERATIONS

Community input

Design/traffic standards

Funding

Surrounding aesthetics

OPTION 1: LOW WATER DIP CROSSING

Crossing Width* - 24’
Lane Width – 12’
Shoulder Width* – n/a
Crossing Length* – 120’

*Dimensions subject to change

OPTION 1: LOW WATER DIP CROSSING

Advantages

- Faster to construct
- Lower construction cost

Disadvantages

- High/long term maintenance costs
- Frequent road closures
- Regulatory permits may not be approved
- Impedes fish passage
- Full closure during construction

OPTION 2: SIMILAR FOOTPRINT

Bridge Width* - 40’
Lane Width – 12’
Shoulder Width* – 8’
Bridge Length* – 120’

*Dimensions subject to change

OPTION 2: SIMILAR FOOTPRINT

Advantages

- Maintains accessibility
- Lower maintenance cost
- Allows fish passage

Disadvantages

- Unable to withstand a 100-year storm event*
- Federal funding may not be available

*(*100-year storm = storm magnitude that has 1-percent chance of occurring in a given year)*

OPTION 3: HIGHER BRIDGE, LARGER FOOTPRINT

Bridge Width* - 40’
Lane Width – 12’
Shoulder Width* – 8’
Bridge Length* – 240’

*Dimensions subject to change

OPTION 3: HIGHER BRIDGE, LARGER FOOTPRINT

County Preferred Option

Advantages

- Withstands 100-year storm event
- Maintains accessibility
- Lowest maintenance cost
- Allows fish passage
- Federal funding available

Disadvantages

- Highest construction cost

LOW WATER DIP CROSSING

SIMILAR FOOTPRINT

HIGHER BRIDGE, LARGER FOOTPRINT

(County preferred option)

POTENTIAL BRIDGE REPLACEMENT OPTIONS

Option 1: Low Water Dip Crossing

- Lowest construction cost
- High maintenance cost
- Full road closures during construction
- Impedes fish passage

Option 2: Similar to Existing Bridge

- Construction costs: higher than dip crossing, lower than 100-year storm bridge
- Unable to withstand a 100-year storm event
- Maintains accessibility
- Allows for fish passage

Option 3: 100-Year Storm Bridge

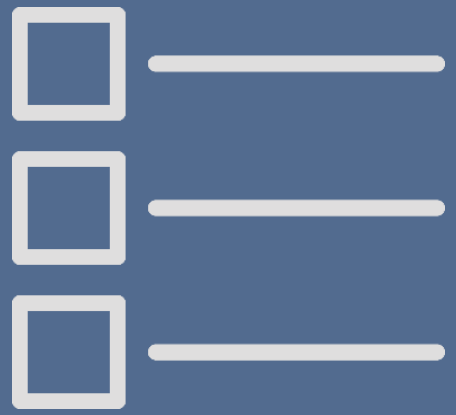
(County Preferred Option)

- Construction costs higher than other two options
- Designed to withstand 100-year storm event
- Maintains accessibility
- Federal funding available
- Allows for fish passage

NEXT STEPS


Confirm County's Preferred Option
Proceed with Appropriate Environmental Review
Proceed with Design

ENGAGEMENT ACTIVITY



We want to hear from you!

Complete a **brief survey** to:

- Let us know which bridge option you prefer
- Share your comments, input and questions

Access the survey on project website:

www.OCPublicWorks.com/TrabucoCanyonRoadBridge

Continue to contact us: ProjectInfo@ocpw.ocgov.com or 714-667-9759

QUESTIONS?

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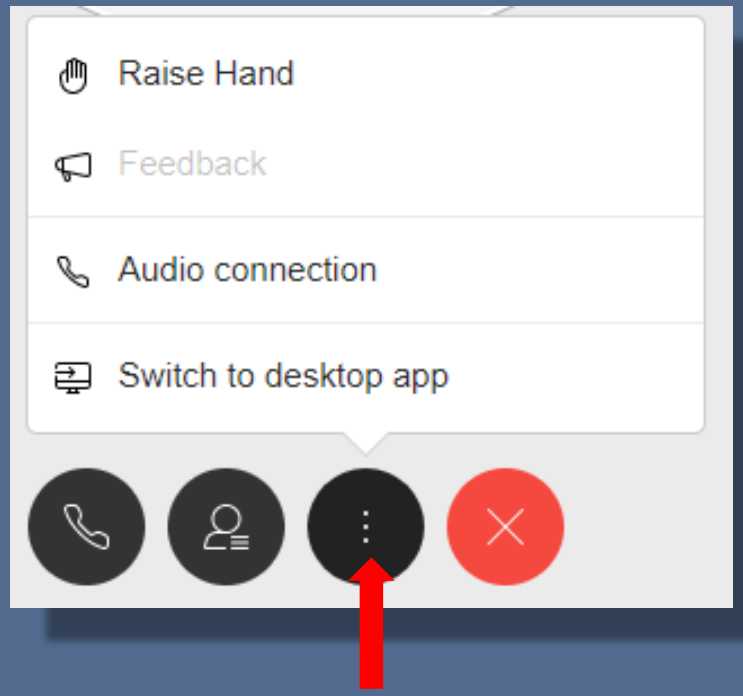

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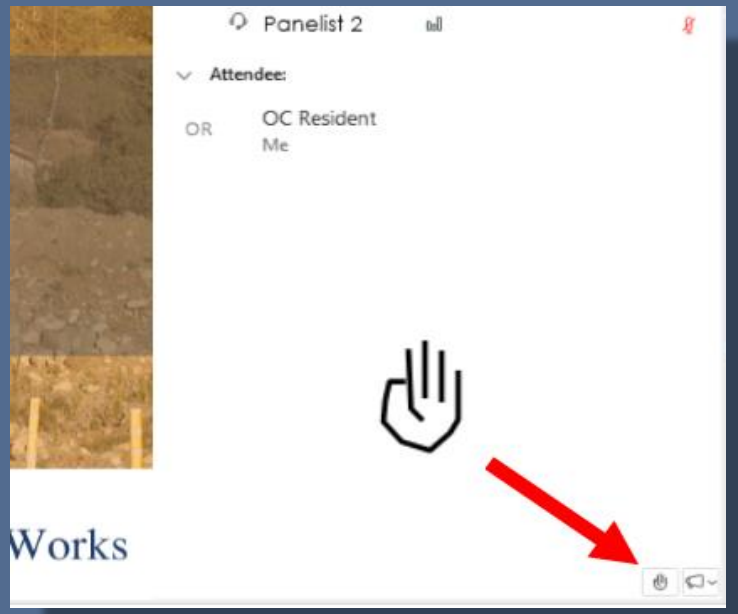

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