



# TECHNICAL ASSISTANCE WORKSHOP SERIES: KIEWIT SAFETY PROGRAM REQUIREMENTS

May 5, 2021, 11:00 a.m. EDT

## WMATA

Station Platform Rehabilitation  
Program Contract 4

**The presentation will begin shortly.**

*Please be sure to “MUTE” your microphone and “sign in” by typing your name and company in the chat box at the right side of the screen.*



May 5, 2021, 11:00 a.m.

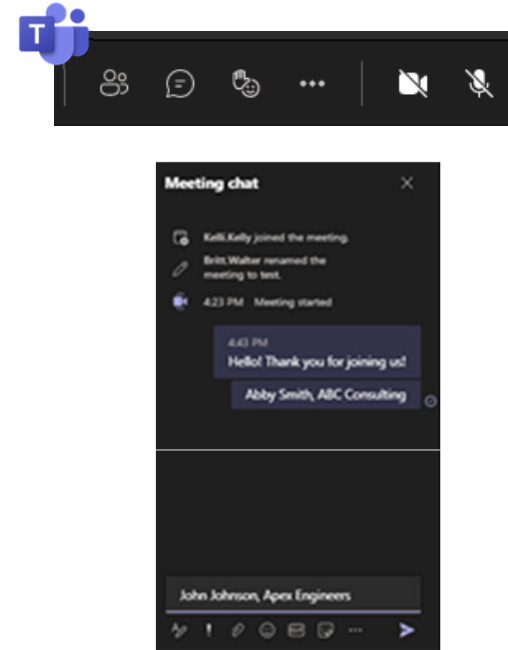
**WMATA**

Station Platform Rehabilitation  
Program Contract 4

TECHNICAL ASSISTANCE WORKSHOP SERIES:  
**KIEWIT SAFETY PROGRAM REQUIREMENTS OVERVIEW**

# Microsoft Teams – Quick Tips

- To avoid background noise during the presentation, please mute your microphone.
- Please sign in by typing your name and firm in the chat box.
- All attendees are invited to submit questions via the chat function during the presentation.
- If you experience technical difficulties, please exit event and reenter.
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***This session is being recorded.***

# Agenda

- Welcome Remarks
- Project Overview
- Kiewit Safety Commitment
- Safety Program Overview
  - Safety Planning
  - Life-Saving Actions
  - Craft Voice in Safety
- Subcontractor Expectations
- Work Planning



# WMATA Station Platform Rehabilitation Program Overview

The Platform Rehabilitation Program is multi-phased project, started in 2019, to repair and reconstruct over 20 station platforms.

## **Program Phases:**

- Phase 1 (Complete), construction of six Blue/Yellow line stations was completed by Kiewit in Summer 2019
- Phase 2 (Complete), construction of four Orange line stations and Reagan National Airport station on Blue/Yellow line was completed by Kiewit in Summer 2020
- Phase 3 (Awarded), repair and reconstruction of six Green and Blue line stations; Spring/Summer 2021 build
- Phase 4 (RFP issued Feb 2021), consists of 5 Stations on Orange Line in Maryland and DC; Summer 2022 build

# WMATA Station Platform Rehabilitation Program Overview

- **Contracting Method:** Design-Build
- **Project Cost:** Estimated cost of \$350M
- **Disadvantaged Business Enterprise (DBE) Goal:** 22%

# Our Commitment: NOBODY GETS HURT

We are committed to the safety of our employees, those involved with our projects, our clients and the public. Our #1 goal is nobody gets hurt and most importantly zero fatalities.

It is everyone's responsibility to promote a safety-first mentality and culture.

- Craft and staff collaborate to lead safety efforts on our projects.
- Site-specific orientations and trainings are developed and delivered to prepare all team members for the work.
- A hazard analysis is required before any operation can begin and each shift starts with a safety meeting with foremen and crews.
- Project safety inspection tours and assessments bring staff and craft together to identify areas for improvement and best practices.



# Safety Program

## 2021 Sacred Three:

1. Planning Safety Into Our Work
2. Lead the Life Saving Actions Initiative
3. Inspiring Craft Collaboration through our Craft Voice in Safety Program





## Slide 8

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**K30**

This slide is a simplified version of slide 10. Do we want to keep or delete and go with slide 10 version?

Kelli.Kelly, 5/2/2021

# Safety Program

## 2021 Sacred Three:

- Planning for Safety
  - Work plan and JHA reviewed and in the field
  - RED Books for every task
- Leading the Life Saving Action (LSA) Initiative
  - What is STCKY in our operations?
  - Prevent the big risks
- Craft Teamwork
  - Craft Safety Advisors (CSAs)
  - Craft Voice in Safety (CVIS)



## Slide 9

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**K29**

Keep or delete - either this side OR slide 9. Do we want to keep this graphic - or replace with standards LSA graphic on previous page?

Kelli.Kelly, 5/2/2021

# Safety Planning

- Everything Begins With Safety!
- Plan the Work, Work The Plan – all crews must have an approved work plan/hazard analysis before beginning operations.
  - Templates are provided
- The Work Plan & Hazard Analysis must be updated, relevant, and developed with staff and craft input.
  - Proper planning will reduce the risk of injuries/incidents.



# FATALITIES 1960-2018

	2010-18	2000-09	1990-99	1980-89	1970-79	1960-69	TOTAL
MOBILE EQUIPMENT	3	3	2	6	5	15	34
FALL PROTECTION	2	2	3	1	7	10	25
HMI	1	2	2	2	7	9	23
LOTO/ISOLATION			2	2	3	8	15
MOT		1	1	5	3	1	11
STORED ENERGY	2		2	3		1	8
TSCD				3	1	4	8
UTILITIES	1			2	1	3	7
CRANES					1	3	4
OTHER					2	1	3
CRUSH POINTS						3	3
DROPPED/FALLING OBJECTS				1	1	1	3
PPE						3	3
JOURNEY MANAGEMENT		1			1		2
CONFINED SPACE		1				1	2
BLASTING				1		1	2
GROUND SUPPORT (Underground)		1			1		2
(BLANK)				1			1
<b>TOTAL</b>	<b>9</b>	<b>11</b>	<b>12</b>	<b>27</b>	<b>33</b>	<b>64</b>	<b>156</b>

# Life-Saving Actions

- Establish the appropriate life-changing categories at the start of a project.
  - Update based on scope of work.
  - Trade Contractors are expected to participate
- Develop and implement a prevention and reduction plan for each selected category.
- Train the workforce and staff on selected LSA categories and processes.
- Verify program execution and safeguards through regular assessments.



# LSA Program Components

## Life-Changing Categories

Severe exposures or activities with common contributing factors that have a high likelihood of causing incidents with serious outcomes

## Safeguards

Items and/or actions that prevent an event from occurring or eliminate the potential of a severe outcome

## Life-Changing Incidents

An actual or near-miss event that occurred where the actual or potential result would have resulted in a loss of life or a life-altering injury

## Safeguard Assessments

Operations-based assessments done to ensure safeguards are in place during life-changing category operations

## Safeguard Verification

A visual checklist used by the craftspeople to ensure the appropriate category safeguards are in place before they begin a task

## LSA Rodeos

Safety demonstrations based on life-changing categories which are planned to educate the workforce about the consequences of life-changing incidents, raise awareness of safeguards, and reinforce safe work practices to eliminate life-changing incidents



# Craft Voice in Safety (CVIS)

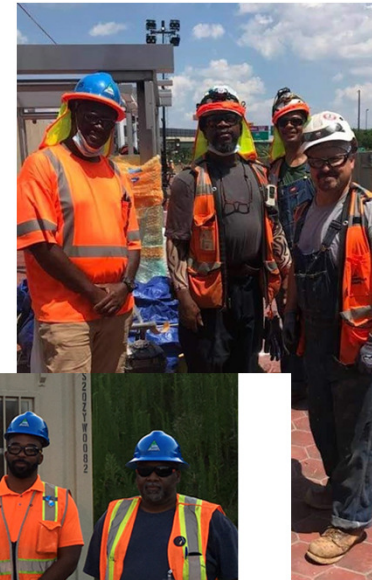
- Supplemental communication tool for the frontline workforce.
- CVIS Team members are recommended and chosen to reflect all trades on the project.
  - Led by the CVIS Team Leader
- CVIS Team meets weekly with Project Manager to voice any concerns by fellow craft members.
- The Project Manager will be responsible for addressing each item and directing action items for resolution when needed.





# Craft Voice in Safety

- Craft-led safety culture
- Best athletes for the team
- Subcontractor participation
- Weekly meetings at station



“Craft Voice in Safety (CVIS) creates a culture where everyone has a voice. Craft are taking care of craft, in a partnership with management, through ownership, communication and prevention to achieve our goal of “Nobody Gets Hurt.”



# **WMATA Station Platform Rehabilitation Project Safety Program**

# Onboarding and Training Expectations

- WMATA Badging and RWP Training
- Project Orientation
- Operation Specific Training
  - Confined Space
  - Qualified Riggers
  - Manlift/Scissor Lift
  - Fall Protection
  - Respirator/Fit Testing





# Personal Protective Equipment (PPE)



Hard Hat

Foam Lined Safety Glasses  
or properly fit Bolle Rush+

Orange Class 2 High  
Visible Vest with X-Back  
(tear away)

Task Appropriate Gloves  
Cut 4 or leather

Over the Ankle Construction Boots

Kiewit PERSONAL PROTECTIVE EQUIPMENT Visual Reference Guide				
MANDATORY ON-SITE	HARD HAT (Type 1 or 2)	CLASS 2 SAFETY VEST (High Visibility)	SAFETY GLASSES (Impact, Side Impact & Optical Density 0.15 or greater)	WORK GLOVES (Leather or equivalent)
HOT WORK (CUTTING)		SHADE 5 MINIMUM		BEST PRACTICE (IF ABOVE PEL)
HOT WORK (WELDING)				(IF ABOVE PEL)
COMPACTOR				ANTI-VIBRATION GLOVES (IF ABOVE PEL)
IMPACT DRILL				ANTI-VIBRATION GLOVES (IF ABOVE PEL)
PNEUMATIC			SHOULDER HEIGHT OR ABOVE OR	ANTI-VIBRATION GLOVES
PRESSURE WASHER				METATARSALS ANTI-VIBRATION GLOVES



# Incident Reporting

- All incidents must be reported immediately
  - Injury, equipment/property damage, near miss, etc.
- ***Every incident requires investigation***
- On-site Nurse
  - Provided by Kiewit
  - Nurse on duty always
  - Best in class injury management



# Project Recognition Program

- How to earn:
  - Participation in morning toolbox meetings
  - Reporting LCC hazards
  - Best in Class RED Book
  - Using stop work responsibility
- Sacred 3 Coins – On the Spot
  - Wooden coin
  - Metal coin worth 5 wooden coins
- Coins redeemable for project swag






# Work Planning Process: “Critical to Safety Success”

# Work Planning Process – Critical to Safety Success

- Subcontractor Engagement in Planning Process
- The plan needs to be present at the work location. "No plan no work"
- The plan needs to be reviewed and signed off by the crew
- Plans should be updated for changes and re-reviewed
- Filling out the forms forces the safety thought process.
  - Share those thoughts (ie. Review the plan)

**WMATA 3 Station Rehab**  
**Acoustical & Metal Panel Truss Removal/Demo**  
 11/9/2020



Kiewit Infrastructure Co.

Work Plan Brainstorm	11/18/2020
Work Plan Green Light	11/19/2020
Work Plan Initial Review	12/03/2020
Work Plan Final Review	12/02/2020
Work Plan Pre-Activity Meeting	12/02/2020

Work Plan Risk Level (Circle One)      **Low**      Medium      High

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**Reviewed and Approved By:**



<u>JUAN MORALES</u> Planning Leader	<u>12/03/2020</u> Date	<u>KYLE PATTERSON</u> Station Manager	<u>12/04/2020</u> Date
See Station Manager Signature	Date	General Superintendent / Construction Manager	Date
Safety Manager	Date	(Medium Risk) N/A	Date
See Station Manager Signature	Date	Project Manager / Project Director	Date
Quality Manager	Date	(High Risk)	Date



# Work Planning Process – Critical to Safety Success

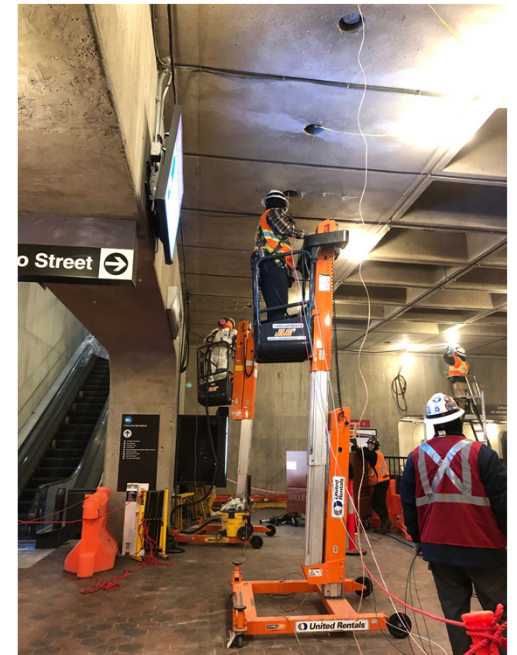
## Job Hazard Analysis (multiple pages)

- Prepared by Subcontractor
- Serious thought into how someone can get hurt & address
- Reviewed by the crew with signatures
- Updated regularly (Mondays) / as required
- LSA "Trackwork" added to most recent forms
- COVID Protocols section

HAZARD ANALYSIS										
DATE PREPARED:			PREPARED BY:			 				
OPERATION:										
STEP BY STEP PLAN:					Access Identification			Ergonomic risks		
1					Location	Type		Lifting	<input type="checkbox"/>	
2								Repetitive Motion	<input type="checkbox"/>	
3								Vibration	<input type="checkbox"/>	
4								Awkward Positio	<input type="checkbox"/>	
5										
6										
Life Changing Categories			Evident Risk	LSA Plan Included	Unique PPE			Required	Prepared and reviewed by:	
Human Equipment Interface			<input type="checkbox"/>	<input type="checkbox"/>	Cutting Goggles			<input type="checkbox"/>	Name	Signature
Working at Heights			<input type="checkbox"/>	<input type="checkbox"/>	Face Shield			<input type="checkbox"/>		
Confined Space			<input type="checkbox"/>	<input type="checkbox"/>	Leather/Kevlar Chaps			<input type="checkbox"/>		
Maintenance of Traffic			<input type="checkbox"/>	<input type="checkbox"/>	Respiratory Protection			<input type="checkbox"/>		
Excavation			<input type="checkbox"/>	<input type="checkbox"/>	Toe/Foot Guards			<input type="checkbox"/>		
Energy Isolation			<input type="checkbox"/>	<input type="checkbox"/>	Ear Plugs/Muffs			<input type="checkbox"/>		
Temporary Structures			<input type="checkbox"/>	<input type="checkbox"/>	Life Vest/PFD			<input type="checkbox"/>		
Jibbies			<input type="checkbox"/>	<input type="checkbox"/>	Welding Hood			<input type="checkbox"/>		
Lifting and Rigging			<input type="checkbox"/>	<input type="checkbox"/>	Welding Leathers			<input type="checkbox"/>		
Cranes			<input type="checkbox"/>	<input type="checkbox"/>	COVID Protocols			Required		
Trackwork			<input type="checkbox"/>	<input type="checkbox"/>	6' Social Distancing			<input type="checkbox"/>		
Other Risks			<input type="checkbox"/>	<input type="checkbox"/>	Surgical Masks/Goggles			<input type="checkbox"/>		
Marine Work			<input type="checkbox"/>	<input type="checkbox"/>	Tool Cleaning			<input type="checkbox"/>		
Steel Erection			<input type="checkbox"/>	<input type="checkbox"/>	Transporting Personnel in Vehicle			<input type="checkbox"/>		
Night Shift			<input type="checkbox"/>	<input type="checkbox"/>	Heavy Equipment Precautions			<input type="checkbox"/>		
SDS Attached			<input type="checkbox"/>	<input type="checkbox"/>	Disinfecting Fall Protection			<input type="checkbox"/>		
Other Safety risks			<input type="checkbox"/>	<input type="checkbox"/>	Superintendent				Foreman	

# Work Planning Process – Critical to Safety Success

- Learn from each other
- Best in class ideas from subcontractors
  - Platform ladders
  - Single person manlift





# COVID Protocols

Ryan Yanosh



# COVID Protocols

- Social Distancing when feasible
- Face coverings required
  - 3-ply surgical or 2-ply cloth face coverings
- If anyone is sick, stay home and call supervisor
  - Notify Kiewit ASAP
  - Utilize COVID Scenario Matrix
- Tools/equipment disinfected before and after use

Revised Jan. 15, 2021

**COVID-19 PROTOCOLS FOR SUBCONTRACTORS**

COVID-19 symptoms generally include a fever over 100.4°F/38°C, shortness of breath, cough and a sudden loss of taste or smell with no explanation, though sometimes COVID-19 begins with significant muscle aches or fatigue with no other explanation. Any one of the previous symptoms should trigger a response from this matrix. Employees only displaying symptoms that are generally common and caused by something else (e.g., sore throat, runny nose, sneezing or diarrhea) should be sent home to recover if they later develop any of the first six symptoms, respond using the protocols below.

The COVID-19 virus is primarily spread by "close contact" with an infected person. "Close contact" means direct exposure to someone who's infected (e.g., being coughed on or sneezed on), or indirect exposure such as living in the same household or caring for someone who's infected, or being within 6 feet / 2 meters for more than 15 minutes (cumulative, over a 24 hour period) of someone who's infected. The infectious period generally begins about 2 days before symptoms begin, or a test comes back positive, and lasts 10 days so these protocols apply only to contact within that timeframe. This is especially important for contact tracing.

SCENARIO	RISK LEVEL	NOTIFICATIONS	WHAT EMPLOYEE/VISITOR SHOULD DO	WHAT PROJECT/DISTRICT SHOULD DO	RETURN TO WORK?
1 Employee or visitor to our work site tests <b>POSITIVE</b> for COVID-19.	<b>HIGH</b>	Site manager, employees, business partners, subcontractors, vendors	Employee or visitor should isolate, follow strict personal hygiene rules, monitor their symptoms and follow directives from health care providers and public health authorities.	Contact site management. <b>Determine what areas of our site the employee can safely remain isolated and prevent the virus from being spread using this matrix.</b> Work with AIAH and Site Coordinator to determine who might have had "close contact" and whether those contacts fit Scenario 3 (contact without proper face coverage) or Scenario 5 (contact with proper face coverage).	<ul style="list-style-type: none"> <li>The employee or visitor who tested positive may return to work if:                             <ul style="list-style-type: none"> <li>a) their health care provider releases them to work in writing</li> <li>or b) these three things are true: (1) no fever for 2 days without medication, (2) symptoms have improved, and (3) at least 10 days have passed since their symptoms first appeared</li> <li>or c) they never developed any symptoms and 10 days have passed since their test was administered</li> </ul> </li> </ul>
2 Employee or visitor has <b>symptoms</b> of COVID-19. They are presumed to be positive.	<b>HIGH</b>	Site manager, employees, business partners, subcontractors, vendors	Employee or visitor should self-isolate, follow strict personal hygiene rules, and monitor their symptoms. They should call their medical provider and AIAH to promptly schedule a PCR test.	Contact site management. <b>Determine what areas of our site the employee can safely remain isolated and prevent the virus from being spread using this matrix.</b> Work with AIAH and Site Coordinator to determine who might have had "close contact" and whether those contacts fit Scenario 3 (contact without proper face coverage) or Scenario 5 (contact with proper face coverage).	<ul style="list-style-type: none"> <li>The employee or visitor who was presumed positive may return to work if:                             <ul style="list-style-type: none"> <li>a) they are determined by their health care provider in writing to have something other than COVID-19 or their health care provider releases them to work in writing</li> <li>or b) these three things are true: (1) no fever for 2 days without medication, (2) symptoms have improved, and (3) at least 10 days have passed since their symptoms first appeared</li> <li>or c) because they are presumed positive due to symptoms, the employee or visitor may not return to work based solely on a negative test result.</li> </ul> </li> </ul>
3 Employee or visitor has no symptoms of COVID-19 but has "close contact" with somebody who tested positive or is presumed to have COVID-19. One or both of them were not wearing a proper face covering.	<b>MODERATE</b>	Site manager, employees, business partners, subcontractors, vendors	Employee or visitor should self-isolate, follow strict personal hygiene rules, and monitor their symptoms. They should call their medical provider to promptly schedule a PCR test 7 days after last close contact.	Business as usual at work location.	<ul style="list-style-type: none"> <li>The employee or visitor who had contact may return to work if:                             <ul style="list-style-type: none"> <li>a) after 10 days they last contact with the tested or presumed positive person, they never developed symptoms</li> <li>or b) the presumed positive person receives a negative PCR test</li> <li>or c) the presumed positive person is determined by their health care provider in writing to have something other than COVID-19 or their health care provider releases them to work in writing</li> <li>or d) they have received a negative PCR test administered at least 7 days after close contact</li> </ul> </li> </ul>
4 Employee or visitor has no symptoms of COVID-19, but has with a <b>symptom</b> or <b>single member</b> who is experiencing symptoms or has tested positive.	<b>MODERATE</b>	Site manager, employees, business partners, subcontractors, vendors	Employee or visitor should self-isolate, isolate themselves from the infected person, follow strict personal hygiene rules, and monitor their symptoms. They should call their medical provider and should discuss testing.	Business as usual at work location.	<p><i>Please note: Due to the prolonged and continuous exposure, a person living with someone confirmed or presumed to have COVID-19 may need to quarantine up to 10 days. AIAH will work with employees to determine the fastest, safest path to return to work using the criteria below.</i></p> <ul style="list-style-type: none"> <li>The employee or visitor may return to work if:                             <ul style="list-style-type: none"> <li>a) the person they live with is determined by their health care provider, in writing, to have something other than COVID-19</li> <li>or b) they received a negative PCR test administered at least 7 days after the person they live with has: (1) received a negative PCR test, or (2) been released to work or school by their healthcare provider, in writing, or (3) never developed any symptoms and 10 days have passed since their test was administered; or (4) these three things become true: (1) no fever for 2 days without medication, (2) symptoms have improved and (3) at least 10 days have passed since symptoms began</li> <li>or c) they quarantine for 10 days after the person they live with: (1) receives a negative test result, or (2) has been released to work or school by their healthcare provider, in writing, or (3) has no fever for 2 days without medication, plus symptoms have improved and at least 10 days have passed since symptoms first appeared, or (4) never developed any symptoms and 10 days have passed since their test was administered</li> </ul> </li> </ul>
5 Employee or visitor has no symptoms of COVID-19 but has "close contact" with somebody who tested positive or is presumed to have COVID-19. Both were wearing proper face coverings.	<b>LOW</b>	Site manager	Employee or visitor is low risk and should continue working. Monitor their own symptoms. They should call their medical provider to schedule a PCR test 7 days after last close contact.	Business as usual at work location, subject to enforcement of employer/union face covering requirements if the employee/visitor is remaining on-site.	<ul style="list-style-type: none"> <li>The employee or visitor should monitor their symptoms and continue working. However, they must wear a proper face covering for <b>all</b> work exceptions or when eating and drinking while maintaining at least a 6-foot/2-meter distance from others, or riding alone in a vehicle.</li> </ul>
6 Employee or visitor had "close contact" with a person who in turn had "close contact" with someone else who tested positive or is presumed to have COVID-19.	<b>LOW</b>	Site manager	Employee or visitor is low risk and should continue working. Monitor their own symptoms.	Business as usual at work location.	<ul style="list-style-type: none"> <li>The employee or visitor should monitor their symptoms and continue working.</li> </ul>





# Positive Test Protocols

**For each positive or presumed positive case of COVID-19, we recommend the following actions:**

- Conduct a detailed, thorough contact tracing investigation to identify any impacted personnel
- Quarantine impacted individuals
- Thoroughly sanitize all impacted areas
- Clearly communicate facts to personnel, as needed

## **Positive case**

A case when a person receives a positive viral diagnostic test result for COVID-19.

## **Presumed positive case**

Treated as positive cases, this is a case where a person is either displaying symptoms of COVID-19 or is believed to have been exposed to the COVID-19 virus.

## **Quarantine case**

Anyone determined to be in close proximity of a positive or presumed positive person during the contact tracing investigation.

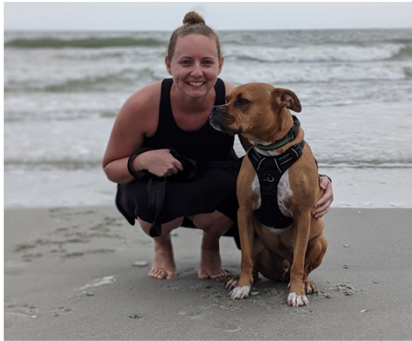


# Closing Comments

# Summary: Four Key Takeaways

- Kiewit & Project Safety Culture
- Commitment to Project – Training / Recognition / Accountability
- Fanatic about Communication and Reporting
- Stop Work **RESPONSIBILITY** by ALL

# Remember the Why

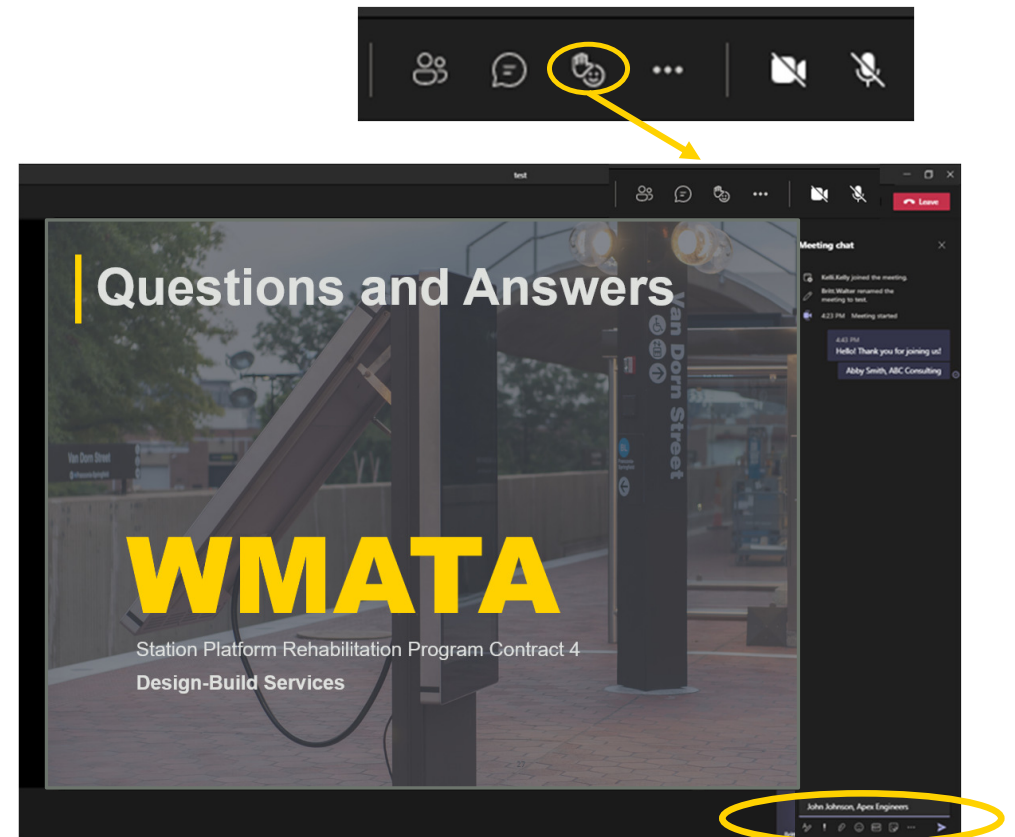




# Questions?

Please **type your questions** in the Meeting chat panel on the right or **click the “raise hand” icon** in the Teams toolbar.

One of our moderators will direct to the appropriate presenter.



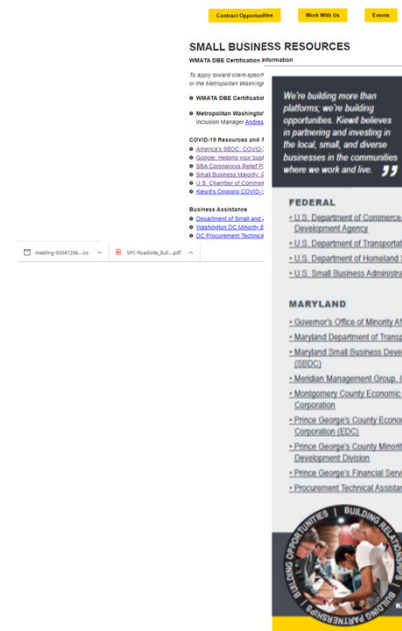
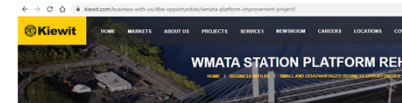
# Questions and Answers

# WMATA

Station Platform Rehabilitation Program Contract 4  
Kiewit Safety Requirements Overview

# Resources and Assistance

Kiewit is committed to providing information and resources to assist firms seeking opportunities to participate on the Platform Rehabilitation project.



Equity • Inclusion • Opportunity • Growth

# Past Events -Technical Assistance Workshop Series

Workshops will be delivered as brief but informative webinars, following by a question and answer period with our subject matter experts.



**Please click on the workshop titles below to view recording!**

- **APRIL 27, 2021 (11:00 A.M. EDT) - Navigating BuildingConnected Bidding Platform**  
*New to the BuildingConnected bid platform? Join us for a system demo to learn how to set up an account, access project and bid documents, and submit your bids.*
- **APRIL 28, 2021 (11:00 A.M. EDT) - Design-Build Delivery Method Overview**  
*Join us for an overview of the Design-Build delivery method. Learn about contract structure, procurement schedule and process, and key considerations for small firms.*
- **MAY 5, 2021 (11:00 A.M. EDT) - Kiewit Safety Program Requirements Overview**  
*Safety is at the forefront of every Kiewit project. Learn about our project safety requirements for the WMATA Platform Improvement Program.*

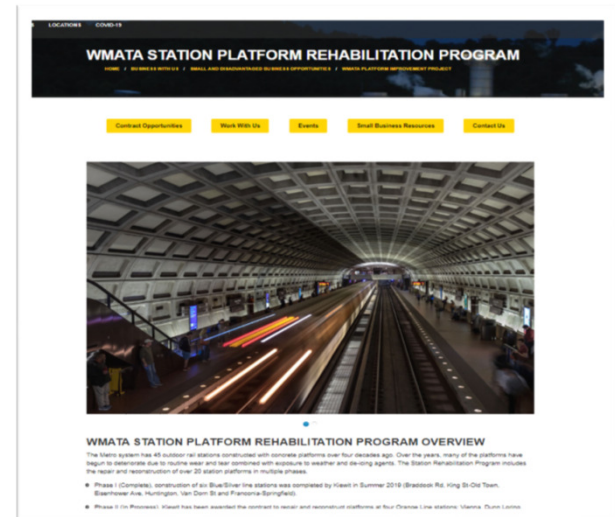


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**BuildingWMATA@kiewit.com**

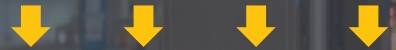


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# WMATA

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