Mezzanine Inspection Report (Scoping) Date: 12/17/2014 Station Name: G01 Benning Road Mezzanine #: 090 Completed By: Megan Powell Summary

Video scoping and pull string installation was completed for the communication ducts in the upper and lower faregate arrays. Video scoping was completed for the power ducts in the upper and lower faregate arrays. However, the power ducts for the upper and lower faregate arrays had seal tight on the wires inside the kiosk and the seal tight went right into the duct which prevented access to view the wires inside the ducts to verify capacity. Pull string was installed in the 1" conduit run from the kiosk on the mezzanine level to the AFC panel on the platform level.

Scanning is not required at this mezzanine.

	Scoping	of Faregate Array(s)			
Task	Yes/No	Notes			
Communications Duct – Upper Faregate Array (3 Gates)					
Was video scoping completed for the entire duct run?	Yes	Refer to WMATA Benning Rd 6inch Upper Comm to faregates Video.avi file.			
Were pull strings installed at all faregates in the array?	Yes				
Were there any obstructions or blockages? Provide details of type and specific location.	No				
Is the duct at capacity? Provide additional details about the dimensions of ducts and number of wires.	No	6" duct, less than 9 wires			
Communications Duct - Lower Faregate Array (4 G	iates)				
Was video scoping completed for the entire duct run?	Yes	Refer to WMATA Benning Rd 6inch Lower Comm to faregates Video.avi file.			
Were pull strings installed at all faregates in the array?	Yes				
Were there any obstructions or blockages? Provide details of type and specific location.	No				
Is the duct at capacity? Provide additional details about the dimensions of ducts and number of wires.	No	6" duct, less than 5 wires			
Power Duct - Upper Faregate Array (3 Gates)					
Was video scoping completed for the entire duct run?	Yes	Refer to WMATA Benning Rd 6inch Upper Power to faregates Video.avi file.			
Were there any obstructions or blockages? Provide details of type and specific location.	No				
Is the duct at capacity? Provide additional details about the dimensions of ducts and number of wires.	No	6" duct, could not determine capacity due to seal tight on wires that continues into duct			
Power Duct - Lower Faregate Array (4 Gates)					
Was video scoping completed for the entire duct run?	Yes	Refer to WMATA Benning Rd 6inch Lower Power to faregates Video.avi file.			
Were there any obstructions or blockages? Provide details of type and specific location.	No				
Is the duct at capacity? Provide additional details about the dimensions of ducts and number of wires.	No	6" duct, could not determine capacity due to seal tight on wires that continues into duct			

	Scoping	g of Power	r Duct - Kiosk to AFC Panel		
	Task	Yes/No	Notes		
Kiosk to Junctio	on Box (18' run)				
Was video scop conduit run?	oing completed for the entire duct /	No	Conduit – no scoping required		
Was pull string i	installed?	Yes	Pull string installed to end of conduit towards kiosk but not all the way to kiosk		
	obstructions or blockages? Provide nd specific location.	No	Conduit is cut/broke off before kiosk and will require extension of conduit/seal tight from end of conduit up to kiosk		
	duit at capacity? Provide additional dimensions of duct / conduit and .	No	Existing 1" conduit is at capacity. Pull string was installed in empty 1" conduit next to existing		
Junction Box to	AFC Panel (55' run)	1			
Was video scop conduit run?	oing completed for the entire duct /	No	Conduit – no scoping required		
Was pull string i	installed?	Yes			
Were there any details of type ar	obstructions or blockages? Provide nd specific location.	No			
Is the duct / conditioned details about the number of wires	duit at capacity? Provide additional edimensions of duct / conduit and .	No	Empty 1" conduit		
		Observation	ns / Issues / Next Steps		
	nduit/seal tight will be needed to brinç	g pull string t	to kiosk from conduit underneath as the conduit is cut/broke off. aduit through multiple 90 degree bends.		
Sign Off					
	GFP Representa	tive	WMATA PRGM		
Name:	Zach Fitzwater				
Signature:	19/ =				
Date:	12/17/2014				
					

Photo #1 – G01 Benning Road: Ceiling tiles under kiosk where conduit run begins

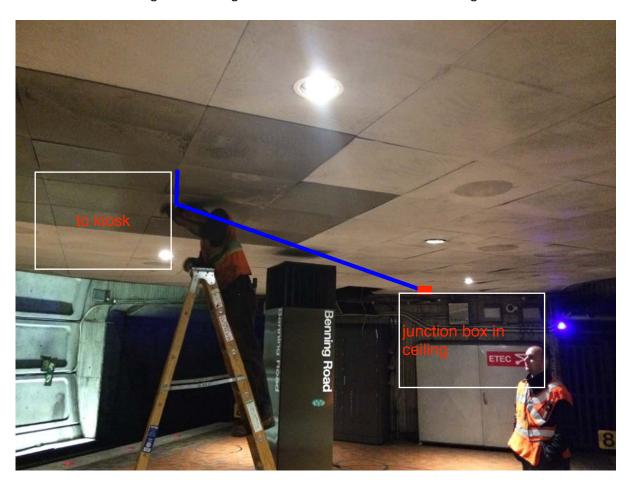


Photo #2 – G01 Benning Road: Junction box in ceiling near wall on platform level

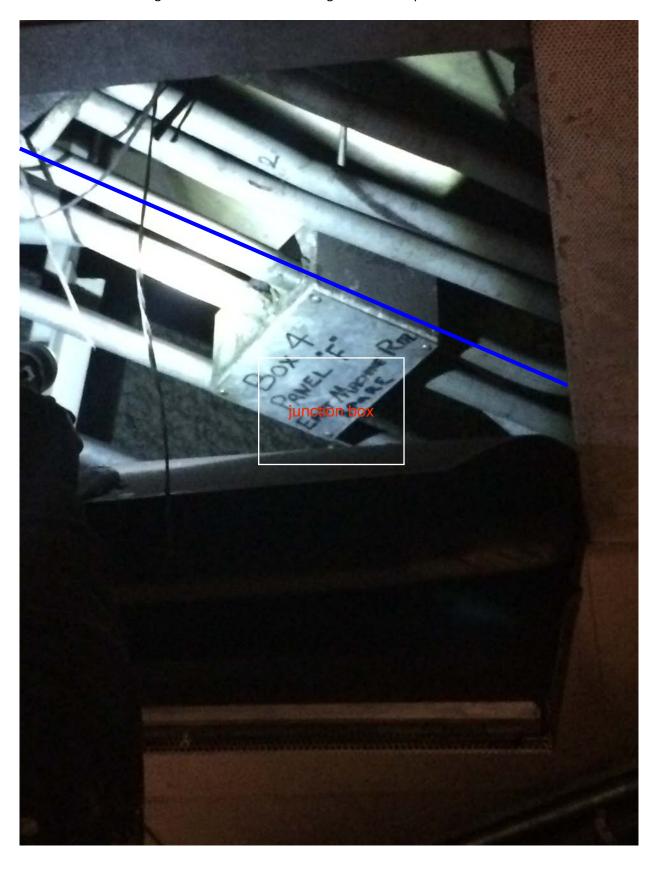


Photo #3 – G01 Benning Road: Conduit run from junction box inside AFC panel room



Photo #4 – G01 Benning Road: Conduit 90 degree bend down wall into AFC panel

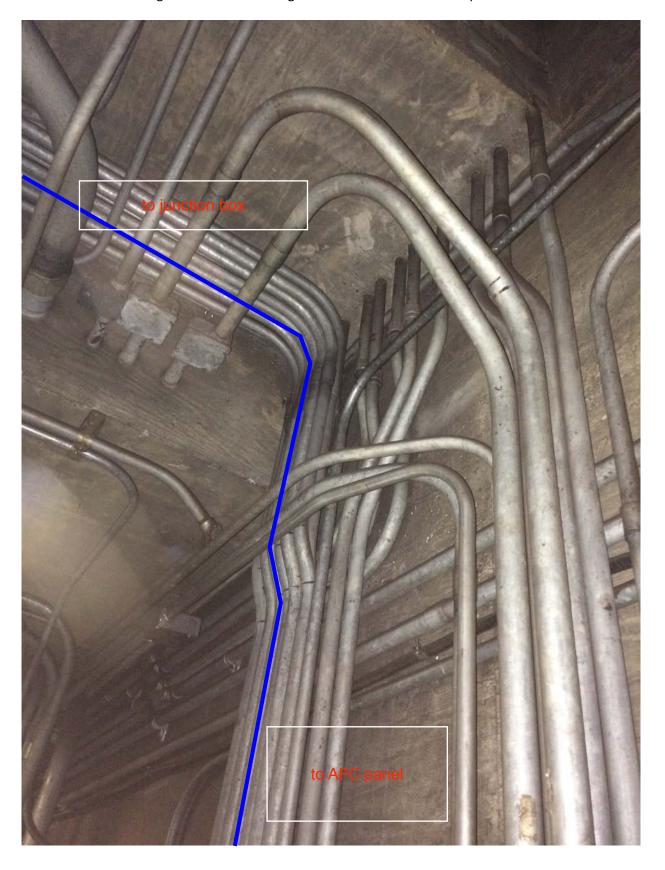
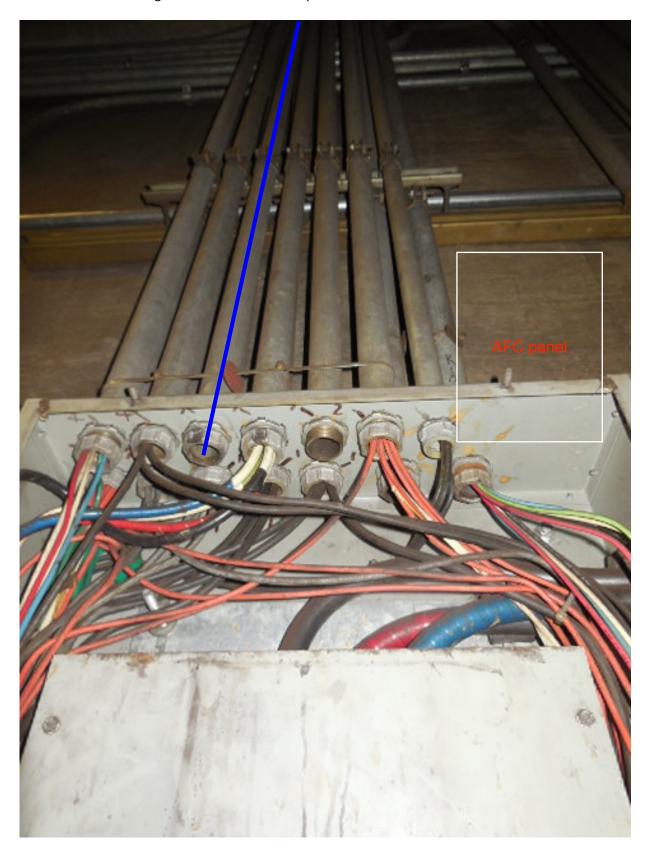
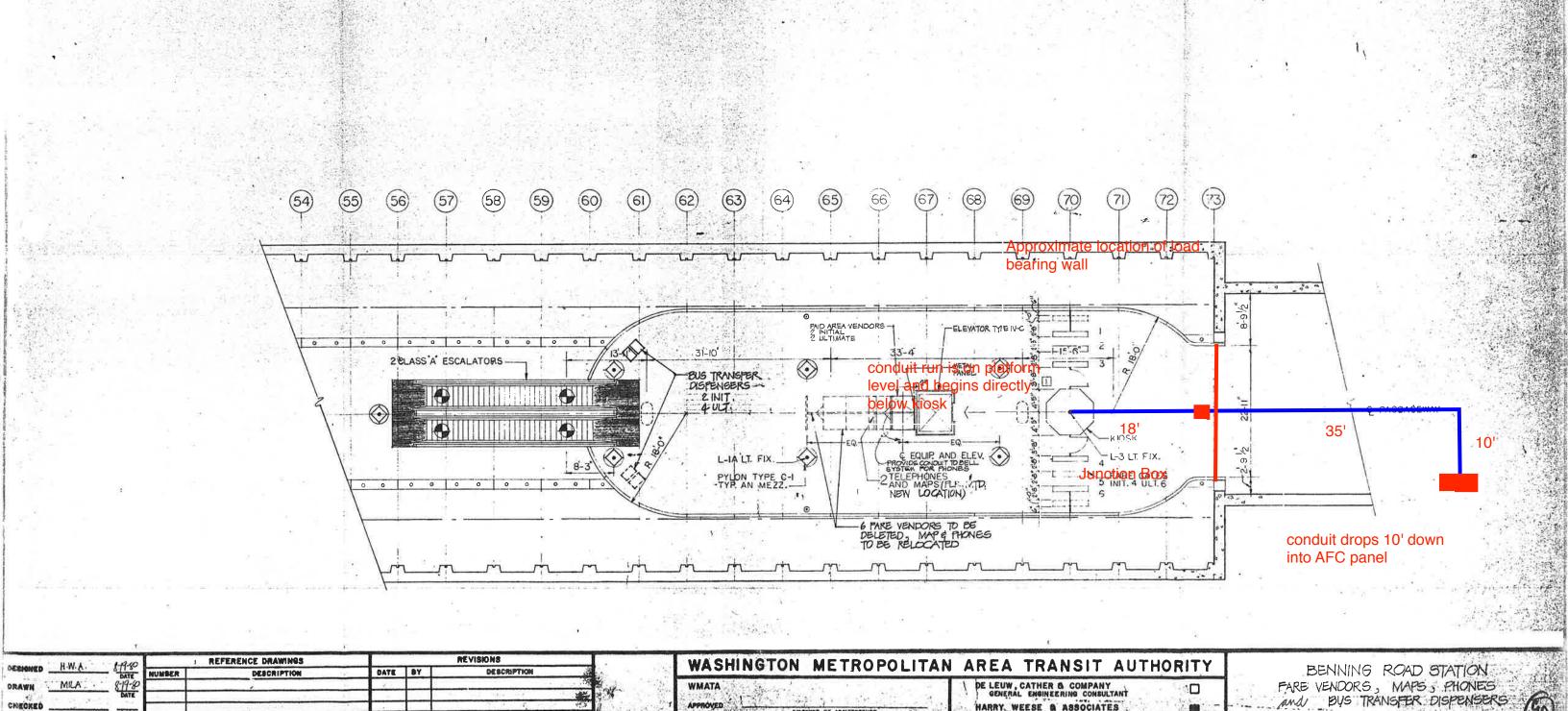


Photo #5 – G01 Benning Road: Conduit into AFC panel





HARRY WEESE & ASSOCIATES

Mezzanine Inspection Report (Scoping) REVISION 1 Date: 01/22/2015 Station Name: G02 Capitol Heights Mezzanine #: 091 Completed By: Zach Fitzwater

Summary

Scoping and pull string installation was not completed at this station in the power or communication ducts for the upper and lower faregates due to collapsed ducts. All ducts were in very poor condition due to heavy water damage and rust. Ducts were collapsed either at the entrance inside the kiosk or just inside the duct entrance. Standing water present inside kiosk at the time of scoping. Scoping and pull string installation was not completed for the power run between the kiosk and AFC panel due to collapsed ducts. Rodding was attempted at all handholes for AFC power run, but could not be completed due to duct collapse. Ducts run into shared electrical trough in AFC panel room. Live wires in the shared trough would require shut down of more panels.

Scanning was done at this station. The proposed duct will run out of the kiosk at a 45 degree angle to a new proposed handhole. It will then run straight to a second proposed handhole and turn 90 degrees towards the door to the backrooms. Once inside the backroom area, the duct will stop at a third proposed handhole and transition to conduit. The conduit will come out of the floor and up the wall vertically to the ceiling. At the ceiling the conduit will turn 90 degrees and run towards the AFC room. The conduit will be core drilled through the wall and run along the ceiling of the AFC panel room and turn 90 degrees into the top of the AFC panel.

Water damage to existing ducts and water present inside the kiosk at this station indicates existing water issues.

Photos and drawings are for reference purposes only; see new schematic drawing/proposed pathway on last page.

Scoping of Faregate Array(s)					
Task	Yes/No	Notes			
Communications Duct – Upper Faregate Array (3 G	iates)				
Was video scoping completed for the entire duct run?	No				
Were pull strings installed at all faregates in the array?	No				
Were there any obstructions or blockages? Provide details of type and specific location.	Yes	6" and 3" ducts collapsed and heavily damaged at entrance to ducts inside kiosk.			
Is the duct at capacity? Provide additional details about the dimensions of ducts and number of wires.	No				
Communications Duct - Lower Faregate Array (4 G	ates)				
Was video scoping completed for the entire duct run?	No	Refer to WMATA Capitol Heights 6inch Lower Comm Faregate.avi file.			
Were pull strings installed at all faregates in the array?	No				
Were there any obstructions or blockages? Provide details of type and specific location.	Yes	6" and 3" ducts collapsed and heavily damaged near entrance or directly inside ducts.			
Is the duct at capacity? Provide additional details about the dimensions of ducts and number of wires.	No				
Power Duct - Upper Faregate Array (3 Gates)					
Was video scoping completed for the entire duct run?	No				
Were there any obstructions or blockages? Provide details of type and specific location.	Yes	6" and 3" ducts collapsed and heavily damaged at entrance to ducts inside kiosk.			
Is the duct at capacity? Provide additional details about the dimensions of ducts and number of wires.	No				
Power Duct - Lower Faregate Array (4 Gates)					
Was video scoping completed for the entire duct run?	No	Refer to WMATA Capitol Heights 6inch Lower Power Faregate.avi file.			
Were there any obstructions or blockages? Provide details of type and specific location.	Yes	6" and 3" ducts collapsed and heavily damaged near entrance or directly inside ducts.			
Is the duct at capacity? Provide additional details about the dimensions of ducts and number of wires.	No				

Scoping of Power Duct - Kiosk to AFC Panel						
Task	Yes/No	Notes				
Kiosk to Handhole 1 (25' run)						
Was video scoping completed for the entire duct / conduit run?	No					
Was pull string installed?	No					
Were there any obstructions or blockages? Provide details of type and specific location.	Yes	Ducts were collapsed at kiosk				
Is the duct / conduit at capacity? Provide additional details about the dimensions of duct / conduit and number of wires.	N/A					
Handhole 1 to Handhole 2 (70' run)						
Was video scoping completed for the entire duct / conduit run?	No					
Was pull string installed?	No					
Were there any obstructions or blockages? Provide details of type and specific location.	Yes	Rodding attempted from both ends. Duct in poor condition. Rod could not get past expansion joint in floor.				
Is the duct / conduit at capacity? Provide additional details about the dimensions of duct / conduit and number of wires.	N/A					
Handhole 2 to Shared Trough (5' run)						
Was video scoping completed for the entire duct / conduit run?	No					
Was pull string installed?	No					
Were there any obstructions or blockages? Provide details of type and specific location.	Yes	Rod could not go further than wall on mezzanine floor. Duct in poor condition.				
Is the duct / conduit at capacity? Provide additional details about the dimensions of duct / conduit and number of wires.	N/A					
Shared Trough to AFC Panel (20' run)						
Was video scoping completed for the entire duct / conduit run?	No	Live wires from other panels in shared trough.				
Was pull string installed?	No					
Were there any obstructions or blockages? Provide details of type and specific location.	N/A					
Is the duct / conduit at capacity? Provide additional details about the dimensions of duct / conduit and number of wires.	N/A					
	Observation	ons / Issues / Next Steps				
Total length of existing power run approximately 120'. Proposed power run to AFC panel approximately 53' of duct and 70' of conduit for 123' total.						
0: 0#						
GFP Representa	Sign Off WMATA PRGM					
Name: Zach Fitzwater						
100						
Date: 02/04/2015						

Photo #1 – G02 Capitol Heights: Proposed and existing duct runs from kiosk

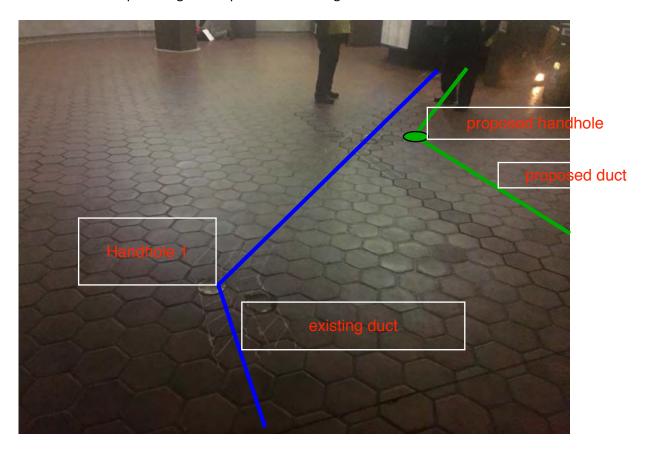


Photo #2 – G02 Capitol Heights: Proposed and existing runs on mezzanine floor

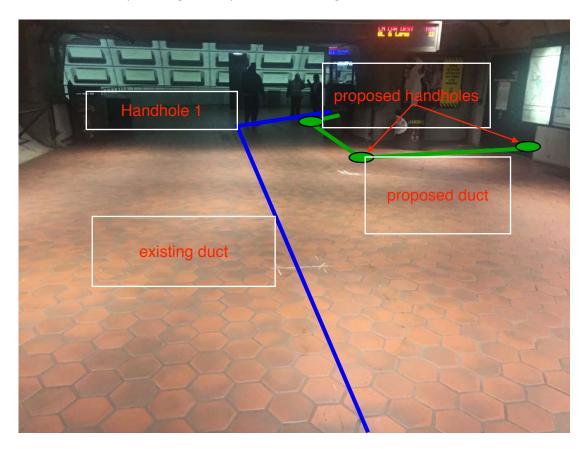


Photo #3 – G02 Capitol Heights: Proposed and existing duct runs into backrooms



Photo #4 – G02 Capitol Heights: Existing duct run into backroom shared electrical trough

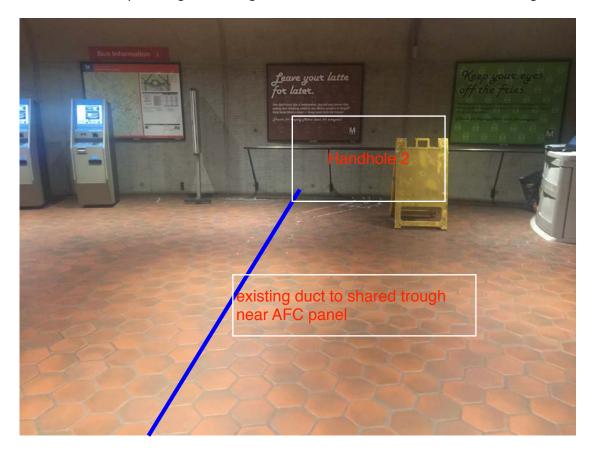


Photo #5 – G02 Capitol Heights: Proposed run transition to conduit along hallway of backrooms towards AFC panel

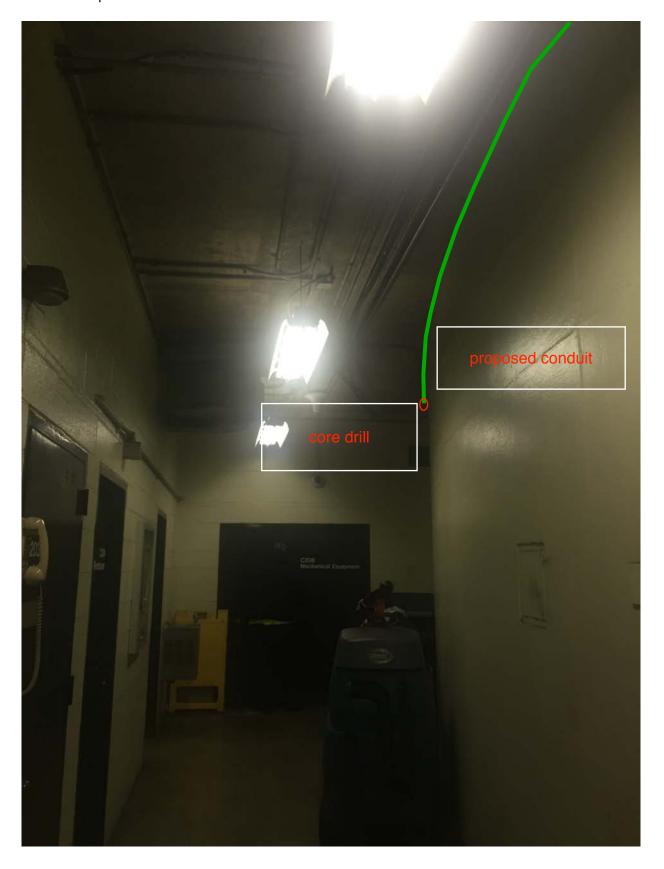


Photo #6 – G02 Capitol Heights: Proposed conduit along ceiling of AFC panel room



Photo #7 – G02 Capitol Heights: Proposed conduit and existing duct runs to AFC panel

