

PennDOT Engineering District 5 Construction Unit

Problem/Challenge Addressed

When routine in-person activities were suspended due to COVID-19 restrictions, the District 5 Construction Unit embraced modern technology to continue operations virtually. The activities affected included: staff meetings, materials testing, project documentation audits, and site inspections.

Method/Process/Product to Resolve Challenge

In order to conduct monthly staff meetings, District 5 utilized Skype for Business. This platform allowed participants to collaborate as they would normally face-to-face without exposing each other to possible health risks.



Results/Key Takeaways

The flexibility of staff to attend virtual meetings regardless of their physical location increased attendance that would otherwise depend on their physical presence.

Skype for Business -	- 🗆 🗙	Conversation (2 Participants)																				<u>▲</u> 9 <u>⊬</u> * <u>—</u>	8 3		
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GROUPS STATUS RELATIONSHIPS NEW	2 <mark>6</mark> *						_												Snyder T					asbestos on old water main. Progress as of 9/02/20.	
		Municipal	0000-PRK	American Parkway				N 1/22/18		9/12/19	2/3/16	10/20/16	12/19/16	9/18/19	10/3/16				Guidon	Y		2.07	Ý	Notes: Environmental Issue ,1 work order submitted waiting FHWA approval pending . Progress as of \$19929.	
CONSTRUCTION (12)	1000	Standard		SR 412 IMPROVE				N 2/22/18			1/12/17		6/4/18	NA			NA		Snyder Penrose	Y	1.46		_	Notes: CLAIM ongoing as of 9/02/20.	
Altemose, Randal - Away 45 mins		Municipal	115-ARC	SR115 Arcadia De	\$-0.0	12/11/1	51515	N 8/1/18	8/1/18	8/16/20	3/5/18				4/20/18	7/22/20	NA		Snyder	۲		3.00	- 1	Notes: Environmental, Design Survey,WB3 Element E-mail sent to ACE and IIC. Progress as of 9/10/20	
		Municipa/	2018-FIC	Freemansburg Ave	\$-0.1	6/21/18	6/21/18	N 6/21/18	6/21/18	1/00/19	4/25/18	10/9/18	10/16/18	NA	6/18/18		NA	3/11/19	Schmidt Snyder	Y	1.62	2.21	Y	Audit Notes to Field Auditor Notes: Environmental Issue Open and discussed at staff meeting \$09/20 Progress as of \$102/20,	
Amin, Atul (Dist 5) - In a conference call		Municipal	0000-TIP	Tidewood Industrie				N 8/26/19	8/26/19	7/29/20		3520	8/29/19	NA	4/16/20	8/17/20	NA	8/5/20	Snyder	۷		2.62		Notes: Design Items Survey's Contractor completed sent to ACE for Approval \$109(20, WBS Closed: Progress as of \$109(20,	
		Standard	81-WD3	I-81 from Ravine IX	\$-0.0	8/7/19	8/9/19	N			2/7/20		9/10/19	NA			NA		Puglia	N	1.60	2.17	N	Notes: Work Order Pending in revised status. E-mail sent to A.C.E. and A.D.E. Construction. Progress as of 9/10/20.	
Arthur, Christine - Offline 20 hours - Offline Messages 0	Dnly	Standard	0000	Guide Rail Repair	\$-0.0	9/30/19	9/30/19	N 3/9/20	39/20	8/5/20		9/1/20	39/20	NA	5/20/20		NA		Amin Christman Schmidt Kehler	Y		2.00	- 1	Notes: Jim Yee working on removal of accounts receivable money completed 9/05/20. Design Survey, Audit. NFQ sent 9/10. Progress as of 9/10/20.	
		Randard	22-400	22 Sec 400- Ph 2 (\$0.0	10/31/11	10/7/19	N 2/21/20	2/21/20		91819	6/24/20	2/21/20	7/9/20					Guidon	۷	1.80	1.33	۲	Notes: Outstanding Permit, , Agreement. Possible claim. Progress as of 9/09/20,	
Eibach, William M - Available - Video Capable		Municipal	0000-JG2	Jordan Creek Gree	\$0.0	10/29/11	10/29/19	N 12/30/1	9 12/30/19	·		4/23/20	11/21/19	NA	4/23/20		NA		Snyder	۲	2.70	2.22	۲	Notes: Accept.Cert. sitting since 6/17/20.Progress as of 9/10/20.	
		Standard	0000	Guide Rail Repair	\$0.0	11/1/19	11/1/19	N 4/2/20	4/2/20	8/5/20		7/6/20	3/9/20	NA	4/8/20		NA		Amin Kehler Patel	۲		2.57		Notes: Design Survey(Contractor). NFQ sent on 9/10/20 . Progress as of 9/10/20.	
Harmonosky, John B - Offline - Offline Messages Only		Standard	380-WD2	1-380 from 1-80 to 5	\$85,663.6	11/6/19	11/6/19	N			12/6/19		3/10/20	NA			NA		Zaloga Schmidt	N		2.22	N	Notes: 96% complete, Work Order's Pending Process Final Audit Pending Need IQ Books from 5-0 office to finish, Progress as of 9/10/20.	
		Randard	0000-	LVTS BR Preserve	\$2.03	2	101019	N					6/2/20	NA			NA		Schmidt Fish	N			N	Notes: Project records in field. W.O. and Est are in Draft. Requested update on progress for this contract 9/09/20. Progress as of 9/09/20	
Janis, Brian - Busy		Standard	61-13M	Shoemaker Av-Pol	\$277,897.9		11/22/19	N					8/25/20	NA			NA		Seibert				- 1	Notes: \$7% Complete Project Records in Field. ACE and IIC stated on going ENV. issues as of \$117(20 Progress as of \$109(20	
		Randard	222-045	222 Median Barrie	\$0.0	12/6/19	11/27/19	N 26/20	2/6/20	5/18/20		5/13/20	6/19/20	NA	11/6/19	7/20/20	NA		Kehler	۲	2.50	2.50	Y	Notes: Agreement still has balance remaining Progress as of 9/09/20.	
LePage, Darren L - Inactive 10 mins - Mobile		Randard	2021-03M	Bus 422 Resurface	\$2.1	11/15/1		N 8/26/20	8/26/20		12/23/19		12/9/19	NA	49/20		NA		Dala	Y		2.08	Y	Notes: Progress as of \$105/25 Claim Pending. AUC Pending.	-
Pandya, Bharat - Offline 5 days - Offline Messages Only) [11	e e	02	w	6		ç	2													2	9:14 AM 9/16/2020 🔻	5
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Contact Information

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PennDOT Engineering District 5 Construction Unit

Method/Process/Product to Resolve Challenge

When challenged with maintaining social distance while performing concrete cylinder compressive strength tests, District 5 turned to *FaceTime* on their iPad device to witness the "breaks" remotely.

Results/Key Takeaways

This method kept inspection staff safe from interacting with others, thereby limiting the spread of COVID-19. An added benefit was the significant savings in travel time and mileage expenses associated with observing this test in person.

Contact Information

Tony Zaloga, Transportation Construction Manager (570) 956-6583 azaloga@pa.gov













PennDOT Engineering District 5 Construction Unit

Method/Process/Product to Resolve Challenge

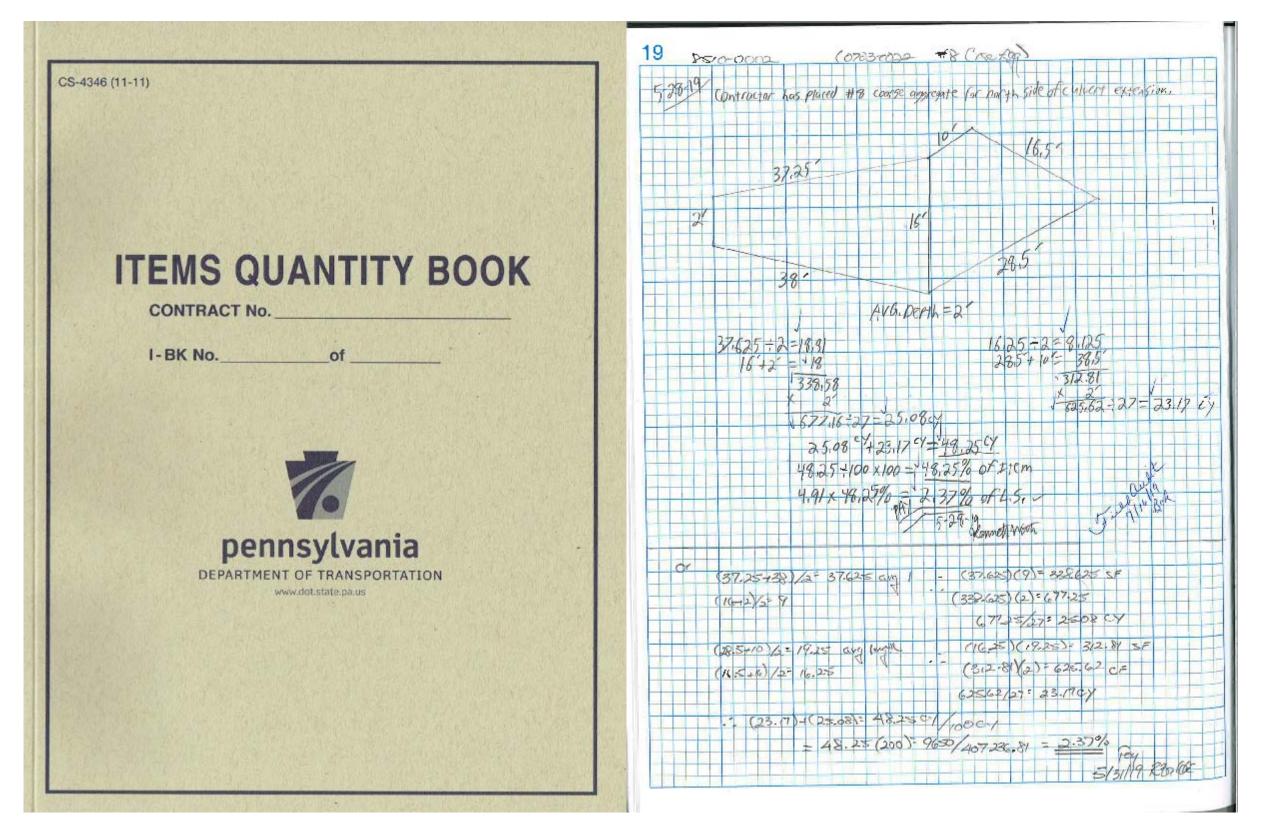
PennDOT construction projects require frequent field audits that involve a thorough examination of project records. In order to complete this task while maintaining social distancing, the field staff used OneDrive to share scanned copies of project documentation that were too large to send via conventional email.

Results/Key Takeaways

Electronic transmission of documents eliminated the contact between field staff and auditors, reduced travel time associated with performing field audits, and allowed the records to be archived electronically rather than taking up physical storage space.

Contact Information

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PennDOT Engineering District 5-0 Construction Unit

Method/Process/Product to Resolve Challenge

Contractors with active construction projects that were temporarily shut down during COVID-19, were still required to maintain traffic control through their work zone. As a means of ensuring that the traffic control devices were operational during the stay-at-home order, inspectors purchased *Dashcams* to video record the state of the site.

Results/Key Takeaways

Video recordings of the construction project can provide many benefits including but not limited to pre-construction conditions, time-stamped visual progress updates, issue resolution, and claims avoidance.

Contact Information

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