Project: Fulton Hogan – Craigieburn Road Upgrade

https://dashboard.con.qa/#/account/92386481-abfa-4672-b1b6-33f5bc00033d/project/22b6e739-211b-4ae4-a9ea-3ccc4bcfe0da

 $\frac{\text{https://account.con.qa/matrix/92386481-abfa-4672-b1b6-33f5bc00033d/22b6e739-211b-4ae4-a9ea-3ccc4bcfe0da}{\text{https://account.con.qa/matrix/92386481-abfa-4672-b1b6-33f5bc00033d/22b6e739-211b-4ae4-a9ea-3ccc4bcfe0da}{\text{https://account.con.qa/matrix/92386481-abfa-4672-b1b6-33f5bc00033d/22b6e739-211b-4ae4-a9ea-3ccc4bcfe0da}$

Example 1 – Duplicate columns

CONTEXT:

All three matrices require two columns just for the 'Work Completed On' textbox (Figure 1):

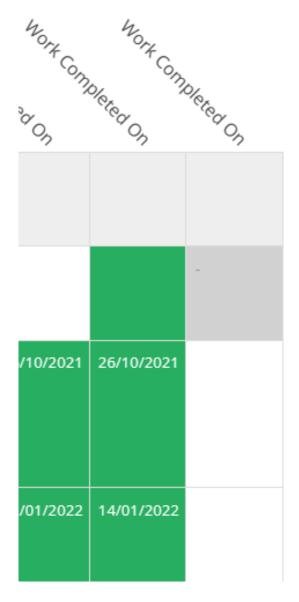


Figure 1

In *Figure 2*, the rows are pulling from the same type of checklist (*ITP-006 - Excavation, Fill with Type B and Subgrade Prep*), but one is more recent and has had changes made to its **Final Inspection** checkpoint.

Specifically, this relates to the location of the 'Work Completed On' textbox. The more recent checklist (Figure 3) has it nested within the **Final Inspection** checkpoint as a child, whilst the older version (Figure 4) has it as a standalone checkpoint-no-status, and is named accordingly as **Final Inspection - Work Completed On**:

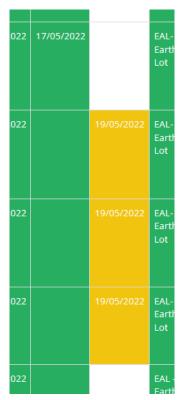


Figure 2

	PASS	FAIL	N/A		
The signature below verifies system Procedures and verif				the Fulton Hogan	's Quality
Print Name:					
Qassim Al-Montafjy					
Position:					
SE					
Date:					
30/05/2022					
Work Completed On					
17/05/2022					
Add comment					0
Add Comment					U

Figure 3

Final Inspection						
	PASS	FAIL	N/A			
The signature below verifies that this ITP has been completed in accordance with the Fulton Hogan' system Procedures and verifies lot compliance with specifications.						
Print Name: Qassim Al-Montafjy						
Position:						
SE						
Date:						
09/06/2022						
Add comment					0	0
Final Inspection - Work C	ompleted On					
Work Completed On						
19/05/2022						
Add comment					0	0

Figure 4

ISSUE:

Due to the limitations of tags, we need to include an extra column specifically to pull data from the standalone checkpoint, resulting in a duplication of columns to accommodate the older checklist (*Figure 5*):



Figure 5

SOLUTION:

However, with the (hypothetical) introduction of matrix keys, we could instead define a common key for both checkpoints and reference it directly when building the matrix:

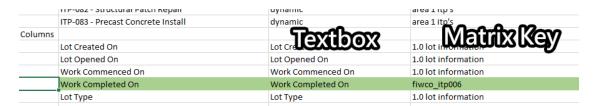


Figure 6 (example only)

In *Figure 6*, "**fiwco_itp006**" is a reference to the key shared by both checkpoints, which we would have defined via bulk edit to the **Final Inspection** and **Final Inspection - Work Completed On** checkpoints on all ITP-006 checklists throughout the project.

The end result is the matrix no longer requiring a duplicate column:

	Entry - Bottom Of Subgrade						
	ITP-006-A1-LOT-033- Hume Hwy North Median - CH70460 - CH70490 - SB- Entry - 400 below subgrade	19/05/2022	18/05/2022	19/05/2022	EAL- Earthworks Lot	70465 to 70490	EAR Earl
	ITP-006-A1-LOT-034- Hume Hwy North Median - CH70460- CH70490 - SB- Entry - 200mm below Subgrade/ Cut floor	18/05/2022	18/05/2022	18/05/2022	EAL- Earthworks Lot	70460 to 70490	EAR Earl
	ITP-006-A1-LOT-035- Hume Hwy North Median - CH70460- CH70490 - SB- Entry - Subgrade	19/05/2022	19/05/2022	19/05/2022	EAL- Earthworks Lot	70460 to 70490	EAR Earl
	ITP-006-A1-LOT-036 -	24/05/2022	24/05/2022	24/05/2022	EAL -		EAR

Figure 7 (example only)