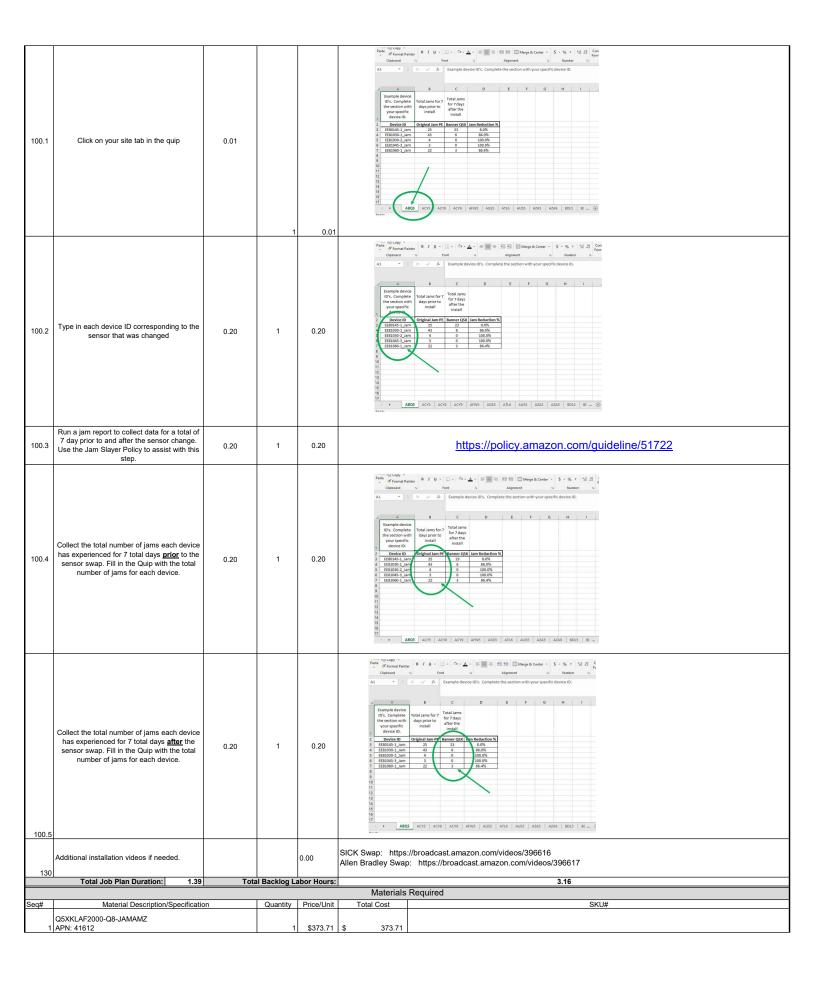
	Maintenance Job Planning/Estimating Worksheet								
Planner Job Cor					Date: Asset ID#:				
	cription: Replace current jam sensors on the	collector belt wi	th new Q5X S		7-03-01 IU#.				
					Job Scope				
Job Plan Seq.	Task Description	Task Duration	Number of Resources Required		Reference Pictures				
10	*Gather all materials including any LOTO equipment and safety equipment that will be needed for the tasks. *Ensure PTP is properly filled out. *Q5X JAMAZN Sensor (APN# 41612) *Q5X Mounting Bracket (APN# 41613)	0.25	2	0.25	COCATON OF THE PARTY OF THE PAR				
20	Q5XKLAF2000-Q8-JAMAMZ APN: 41612	0.02	2	0.1	Disconnect power to the old sensor				
30	Mount new sensors and attached cable. (S15l is optional)	0.04	2	0.20	Mount the Q5X and attach the S15L				
40	drill 2 inch holes for laser. (previous holes for other photoeyes can work too. 2" hole will be facilitate easier adjustments)	0.10	1	0.20					
50	In the PLC Program make note of the tag for the photoeye you are replacing. Be sure that the photoeye does not have any function other than jam detection. (ie. Full detection, product present etc.)	0.10	2	0.50	PE_2 U180090_JAM.PE_2				

60	In the FA_LOOP_JAM AOI (or similar jam AOI used) where the photoeye is used change the jam timer to for this photoeye to 3 seconds. (you may need to add an extra rung of logic to activate the aoi as a 0 instead of a 1 on a jam condition depending on the AOI used)	15 min	2	0.50	## 1			
70	Using the attached video link teach and adjust the sensor timer to 2 seconds. This will add to a total of 5 seconds before you get a jam fault. (PLC time + Sensor Time)	0.10	2	0.25	© (my not)			
80	Using the attached video, adjust background suppression.	0.10	2	0.25	https://www.youtube.com/watch?y=sXLK2xaDWhI © links holds □			
90	Once complete with sensor teaching and PLC timer changes. Turn on the conveyor and verify everything is working as intended. Manually block the eye to ensure the timer stops the conveyor in the 5 seconds that have been probrammed.	0.04	2	0.20	https://www.youtube.com/watch?v=ydYOwJ6_dy8 [Picture]			
					For Air Sites:	https://quip-amazon.com/hC6cA3AISqnv/AIR-ONLY-Jam-tracking-before-and-after-Q5X-install		
100	Complete a before and after jam report analysis. Fill out the Quip to compare the 7 days before the change and the 7 days after the change to see the results.	0.10	1	0.25	For AR Sortable Sites:	https://quip-amazon.com/YD2aA4LIBKrV/ARS-ONLY-Jam-tracking-before-and-after-Q5X-install		
					For Sort Center Sites:	https://quip-amazon.com/iXOCA4YqdyWM/Sort-Center-ONLY-Jam-tracking-before-and-after-Q5X-install		



2	SMBQ5XFA Mounting Bracket APN: 41613		1	\$16.00	\$ 16.	5.00		
	Optional: S15L sensor: S15LGYPQ							
3	APN: 48707		1	\$25.86	¢ 25	5.86		
			- '	\$0.00	•	-		
				\$0.00		-		
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				\$0.00		-		
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						-		
				\$0.00	•	-		
					•	-		
					•	-		
		Total Mate	rial Cost:	\$	Ψ		415.57	
	Safety Requirements							
Permits	: Confined Space Entry	Hot Work		Lockout/Tag	out			
PPE:	PPE: Safety Glasses, Safety Shoes, Gloves							
You	You will need to order one sensor and one bracket for each jam sensor you will be replacing.							

Special Tools Needed:

(Insert Job Site Photos)