

# City of Prince George Continuous Improvement Program



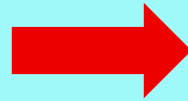


# Presentation Outline

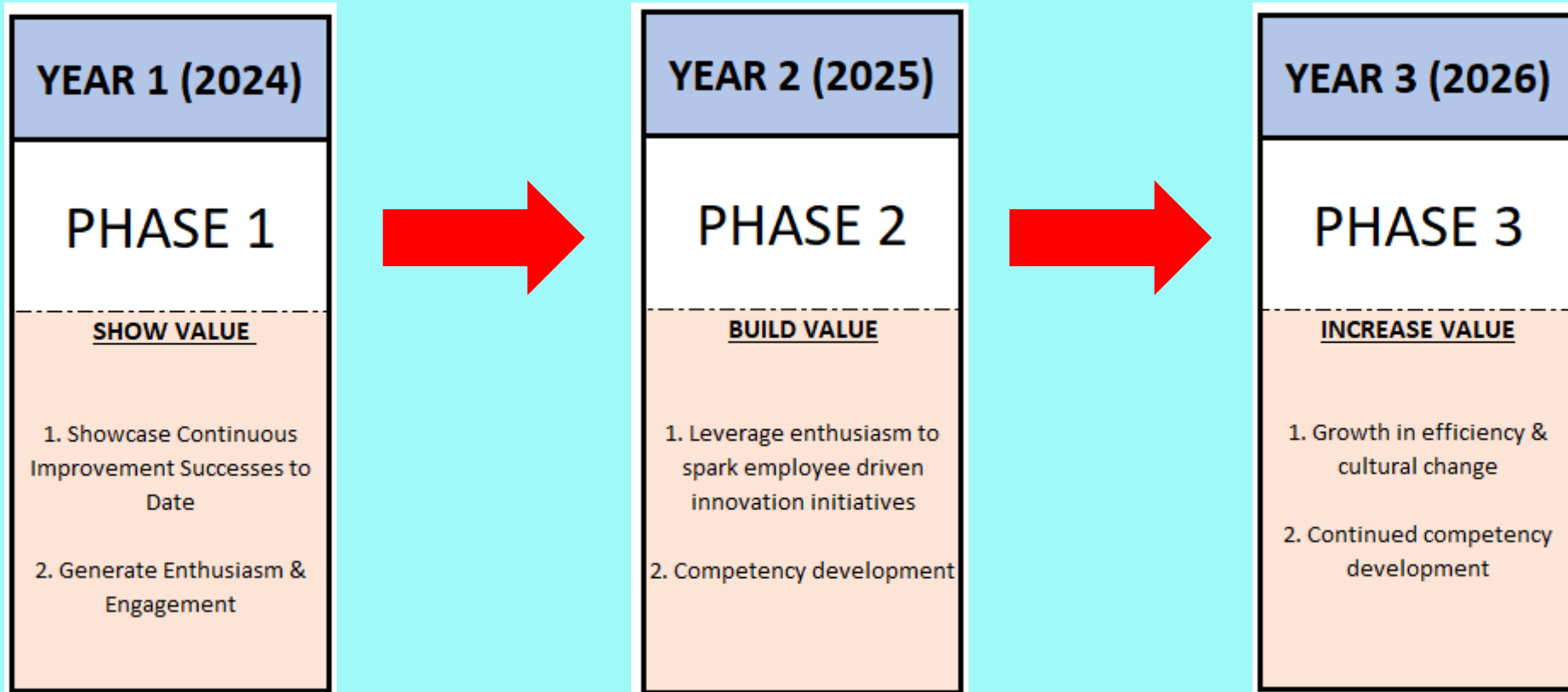
1. CI Roadmap & Strategy
2. Highlights of Year 2 (2025)
3. Next Steps
4. Questions

# CI Roadmap & Strategy

HOW DO WE INITIATE AND ESTABLISH A  
NEW CULTURE ?



# CI Roadmap & Strategy





**PHASE 2 RESULTS – CI 2025**

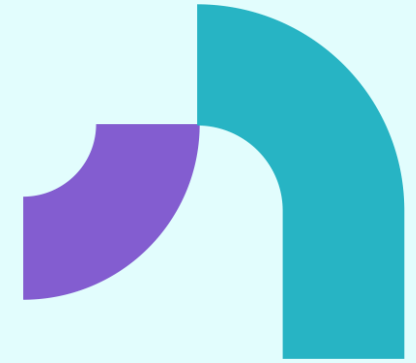
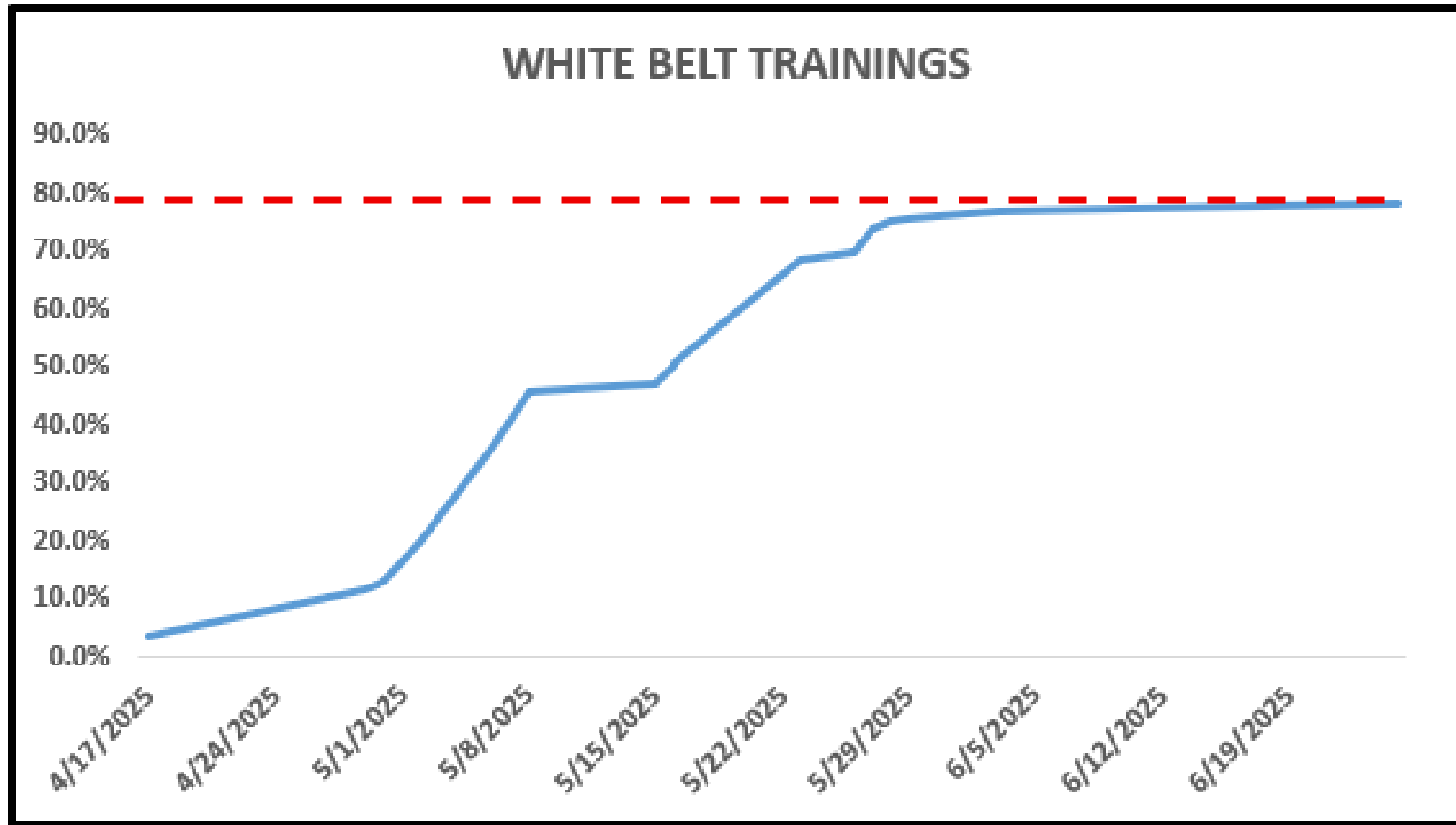
# PHASE 2 – BUILD VALUE



COMPETENCY  
DEVELOPMENT (WHITE  
BELTS)

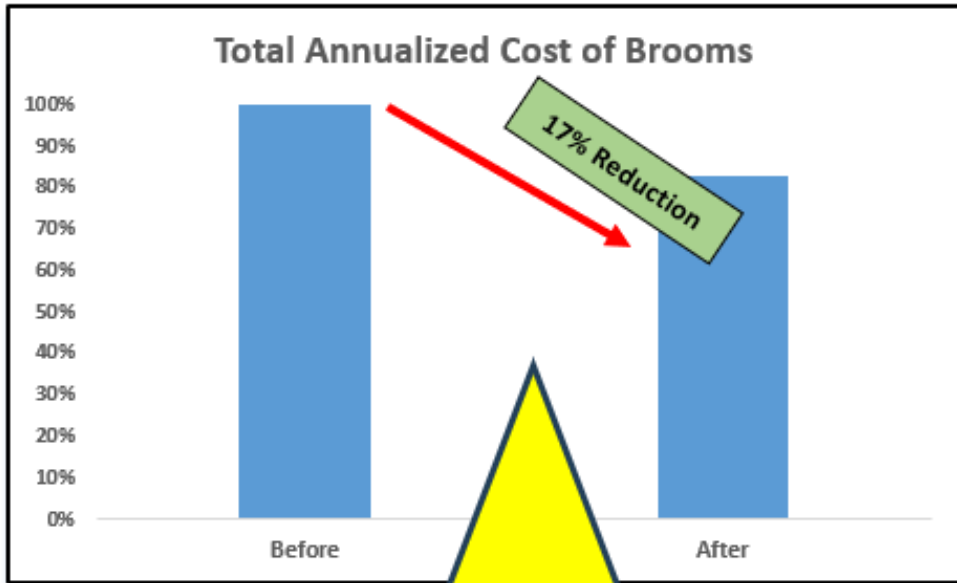
PILOT CI CHALLENGE  
2025

DIVISIONAL  
TRANSFORMATION  
PROJECTS



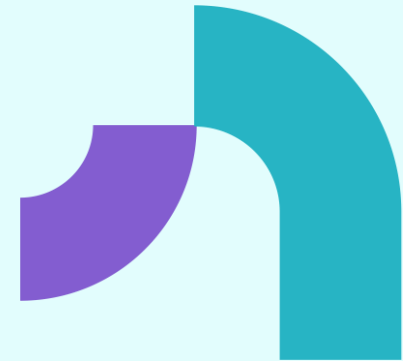
# WHITE BELT TRAININGS (COMPETENCY DEVELOPMENT)





Increased uptime of Equipment	Reduced Travel Downtime (back & forth shop)	Effective Personnel Utilization
✓	✓	✓

**17% INCREASE  
IN OPERATING  
EFFICIENCY**



# PILOT CI CHALLENGE – ROADS & FLEET

### Contracted 3-D Scans

S.No.	Project	Scans	Processing Cost	Labour	Office Support	Equipment	Mileage	LoA	Total Cost
1	PW654	11	\$737.00	\$1,350.00	\$360.00	\$1,000.00	\$768.00	\$85.00	\$4,300.00
2	Tyner & Ospika	27	\$1,809.00	\$1,350.00	\$360.00	\$1,000.00	\$768.00	\$85.00	\$5,372.00
3	WWTC	21	\$1,407.00	\$1,350.00	\$360.00	\$1,000.00	\$768.00	\$85.00	\$4,970.00
4	Dam	13	\$871.00	\$1,350.00	\$360.00	\$1,000.00	\$768.00	\$85.00	\$4,434.00
5	Project A	30	\$2,010.00	\$1,350.00	\$360.00	\$1,000.00	\$768.00	\$85.00	\$5,573.00
6	Project B	30	\$2,010.00	\$1,350.00	\$360.00	\$1,000.00	\$768.00	\$85.00	\$5,573.00
			<b>\$8,844.00</b>	<b>\$8,100.00</b>	<b>\$2,160.00</b>	<b>\$6,000.00</b>	<b>\$4,608.00</b>	<b>\$510.00</b>	<b>\$30,222.00</b>


### In - House 3-D Scans

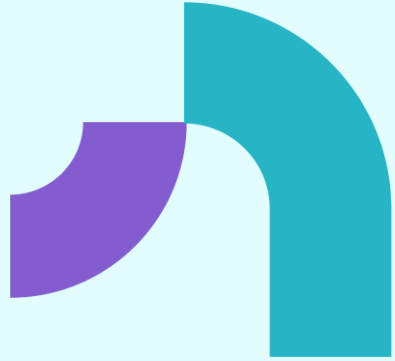
S.No.	Project	Scans	Staff Cost	Processing Cost	Total Cost
1	PW654	11	\$259.81	\$520.00	\$779.81
2	Tyner & Ospika	27	\$389.71	\$520.00	\$909.71
3	WWTC	21	\$584.57	\$520.00	\$1,104.57
4	Dam	13	\$129.90	\$520.00	\$649.90
5	Project A	30	\$389.71	\$520.00	\$909.71
6	Project B	30	\$389.71	\$520.00	\$909.71
			<b>\$2,143.41</b>	<b>\$3,120.00</b>	<b>\$5,263.41</b>



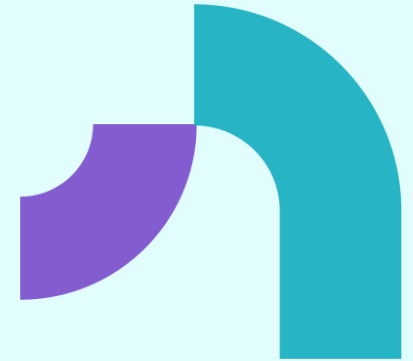
# PILOT CI CHALLENGE – TRANSPORTATION




<b>FIRE HYDRANT SOP</b>	Defined & Standard Procedure	Increased uptime of Equipment	Effective Personnel Utilization	Improved Operational Reliability	Improved Operational Flexibility	Cross - Training
	✓	✓	✓	✓	✓	✓

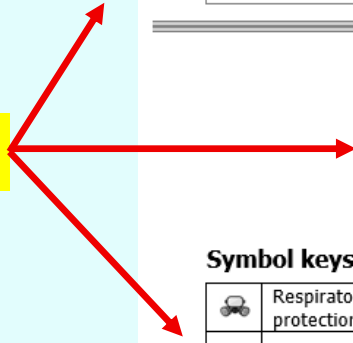


# PILOT CI CHALLENGE – UTILITIES



 CITY OF PRINCE GEORGE	Document Code:	To be Determined	Rev:	0
	Description:	Fire Hydrant Rebuild	Pg.	1 of 9
	File Location:	To be Determined		
	Reference Docs:	NA		
	Effective Date:	07/04/2025	Author	Anurag Gupta (AG)
















STANDARDIZED FORMAT



## Standard Operating Procedure




Procedure: *Fire Hydrant Rebuild*

**Symbol keys:** Use icons provided below to highlight these considerations within the SOP.

	Respirator (vapor protection) Required		Standard Site Clothing & PPE Required		Bonding/Grounding Required – Static Electricity Risk
	Eye Protection Required		Caution! Or Safety Warning		See Related SOPs, JSAs, or other Documents
	Hand Protection Required		Involves the EHS Department		Special Information (Corrective Actions, Quality, etc.)
	Hearing Protection Required		Waste Generation		Regulatory or Mandatory item. Cannot be changed without MOC
	Interaction		Recycle		Housekeeping Task(s)


<b>Person Responsible for Process</b>	Utilities Department
<b>Process Modifications:</b>	Utilities Department




<b>Description:</b>	Fire Hydrant Rebuild
<b>Scope:</b>	Applies to fire hydrants in the City of Prince George
<b>Purpose:</b>	To define a standard operating procedure to rebuild a fire hydrant
<b>Responsible Parties:</b>	Utilities Department Crew
<b>Training:</b>	Personnel should be trained via this SOP and on the <a href="#">job</a> training provided by an experienced operator

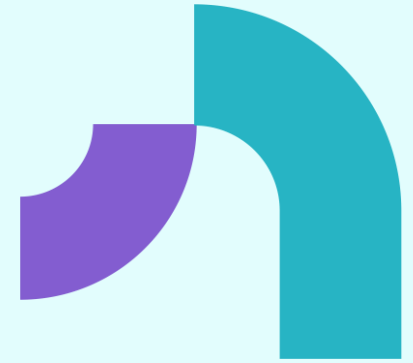
Special Tools / Materials Required for Procedure	
	Hand Protection required for utilizing shop tools
	Eye / face protection recommended as sudden discharge of water may take place
	Standard PPE required to perform the task safely

# PILOT CI CHALLENGE – UTILITIES SOP



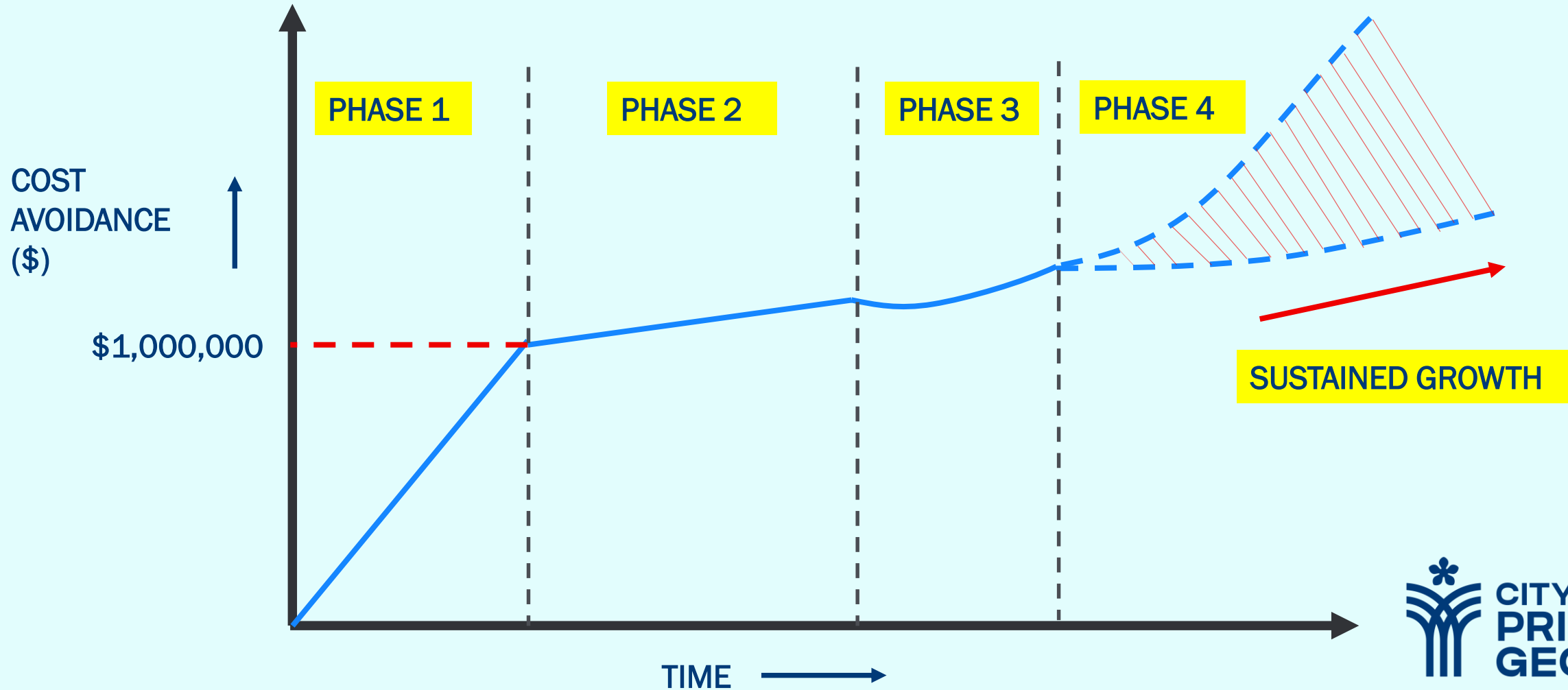
	Document Code:	To be Determined	Rev:	0
	Description:	Fire Hydrant Rebuild	Pg:	6 of 9
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	Reference Docs:	NA		
	Effective Date:	07/04/2025	Author:	Anurag Gupta (AG)

1.3	60:00 (Min: Sec)	(a) Heavy parts involved	1. Locate the isolation valve for the fire hydrant. The 4-inch port on the hydrant points in the direction of the isolation valve (Figure 7)	 <p>Figure 7</p>
		(b) Twisting/turning required	2. Isolate the hydrant by using the water key (Figure 8)	
		(c) Rotating tools involved	3. Turn the gate valve on again to ensure that there is no water supply and that the hydrant is in fact isolated from the City Water Supply	 <p>Figure 8</p>
			4. Remove the bonnet to gain access to the Head Assembly (Figure 9)	
			5. Remove the Head Assembly (Figure 10)	 <p>Figure 9</p>
			<p><b>Risk Control:</b></p> <ul style="list-style-type: none"> <li>- Practice ergonomic lifting and turning / twisting techniques</li> <li>- Keep hands clear of pinch points and rotating parts of the tools</li> </ul>	



# PILOT CI CHALLENGE – UTILITIES SOP

# CPG CONTINUOUS IMPROVEMENT JOURNEY – PROJECTION



# Next Steps



Image Credit:  
Google Images

# WHERE DO WE GO FROM HERE ?:

1. Continuing to develop the technical competency (Yellow Belts)

2. Annual CI Challenge

3. Organizational / Divisional Transformation Projects



Image Credit:  
Google Images

# Questions?

