

# Pantex and CostWorks

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October 2008

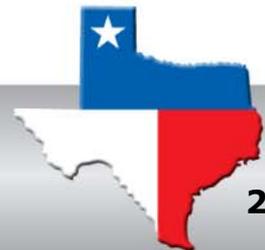
Presented by:  
Steve Patterson – Pantex Plant,  
CAIS/FIMS Administrator, CAS Manager



# Costworks - How We Use It

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- Accurate Condition Assessment Survey (CAS) data enhances ability to plan good deferred maintenance (DM) projects.
- CostWorks helps the CAS Group provide customers with total project estimates along with the CAIS DM buydown amounts.
- CostWorks is used to provide maintenance project estimates that are unrelated to DM work.
- Currently using CostWorks to build customized sustainment models.



Click Below To Change

Owner

Release Update

Open Titles

MasterFormat

Location

Wage Rate

**Project Name**

Project Notes

CostWorks Tips

Steve Patterson - B&W Pantex

**Select Model**

Select the model you want to work with. You can also create, copy, and erase models and enter any model notes. The current model name and notes will appear on the main screen.

Available Models:  
 [No Active Project]  
 New Model

Model Detail:  
 Project Name: **#DW Z11 Phase1-SP08** Check Spelling Print Notes  
 Notes  
 This area is for any project notes...

New Copy Backup Erase

Folder... S:\520\CAS Program\Project Estimates, Scope of Work Template, C&EPD Data\CostWorks Project Estimates\Zone 11\Z11 DW Projects\Cost0.prj Cancel  
 CostLists... Models Location... S:\520\CAS Program\Project Estimates, Scope of Work Template, C&EPD Data\CostWorks Project Estimates\Zone 11\Z11 DW Projects\ Open

Step 1 - Select "New"

Step 2 - Type in Project Name

Step 3 - Select "Open"

Step 4 - Select Estimator tab

You choose the location to store your project estimates

Use Bookmarks to mark frequently accessed areas of the data file.

For Custom databases available for Facilities Management and



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Reply with Changes... Egd Review...

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CAS Group Project Estimate #Tyson-TX Tech Dom Wtr-SP08



Maintenance Work Control Department  
 Steve Patterson, 806-477-3457  
 CAIS Administrator/CAIS Section Manager  
 Date: 02/04/08

**NOTES:** POC Kelly Davis X3290

Replace approximately 2.9 miles (15,312 LF) of domestic water piping, 4 fire hydrants, and 2 valves between Tyson and Texas Tech.

RSMeans Line Number	RSMeans Description (Note: POC should be contacted prior to planning this project to clarify specific mat'l requirements)	Quantity	Unit	Ext. Total Incl O&P	Notes	Year Deferred
230523802070 s	Valves, steel, cast, gate, flanged, 150 lb., 6"	2.00	Ea.	\$16,700		N/A
331113252200 s	Water supply, piping Polytvinyl Chloride, 6" diameter, AWWA C900, Class 160, SDR 26, excludes excavation or backfill, unless specified	15,312.00	L.F.	\$724,500		N/A
G10308052340 s	Trenching, common earth excavator, 1/2 :1 slope, 4' wide, 6' deep, 1/2 CY BK	15,312.00	L.F.	\$942,000		N/A
G30104105200 s	Hydrant, 5-1/4" valve size, two way, 0' offset, 6' deep	4.00	Ea.	\$72,000		N/A
<b>Subtotal (for in-house work):</b>				\$1,755,000		
Pantex RTBF adjustment (26%)				\$456,500		
<b>Total Estimate</b>				\$2,211,500		
<b>DRVGS:</b>				Estimate formulated using RS Means CostWorks with a CAIS cost adder factor and an RTBF adjustment factor.		
N/A				<b>THIS IS A PROJECT ESTIMATE ONLY AND IS SUBJECT TO RTBF FUNDING APPROVAL.</b> For questions please contact Steve Patterson		

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# B&W Pantex

TECHNICAL SERVICES

## Deferred Maintenance Projects PROJECT SCOPE DATA SHEET

<b>Project Name:</b> Z12 REPLACE 222' DOM WTR PIPING & ASSOCIATED VLVS	<b>Date:</b>  8/28/2008	<b>Please Check one:</b>  UPC <input type="checkbox"/> In-House Crafts <input type="checkbox"/> Outside Contract <input type="checkbox"/> <b>CAE Project Number:</b> Z12 DW #4-SP08
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**Project Point of Contact (POC):** Tommy Hammer, Phone: (806)477-7486 or Pager 640-0009

**Project Scope of Work:** Replacement of 222' of 8" mainline with 10" HDPE piping. This would also include replacement of water valve 12WV13, with the addition of 1 ea. 6" mainline valve to be located West of bldg. 12-23 in the 65-courtyard area. Tommy would also like to see all valves replaced with O-ring type, Post Indicator Valves (PIV's), for ease of maintenance, and system alignments.

<b>Total Deferred Maintenance Reduction for this project</b>	<b>FY03 Baseline</b>	<b>Non-FY03</b>
	\$22,742	\$71,203

	<b>Approved Funding Data</b>	<b>Total DM Credit (Estimate)</b>
	FIRP	\$93,945

### SPECIAL NOTES:

Project cost **MUST NOT** exceed the approved funding amount stated above without PRIOR approval from Laura Valdez. If necessary, Steve Patterson can be contacted to reduce the project scope and/or project line items to ensure the project costs remain within the approved funding amount.

**POC for Funding Questions:** Laura Valdez (806) 477-3357

**POC for Project Line Items:** Steve Patterson (806) 477-3457

**Project Close Out:** Please contact Steve Patterson (806) 477-3457 or spatters@pantex.com and reference one of the following numbers – CAIS Project, UPC contract, or PassPort work order when project has been completed.

### Impact if this project is not supported:

Will continue to operate aging and failed equipment at risk. These items will remain on the deferred maintenance backlog. Will not meet facility condition goals or 24% funding of maintenance goals.

### Milestones (Preliminary):

Maintenance requested completion date – N/A  
Construction: Per RTBF this project must be complete by – 09/29/2008

 <b>Deferred Maintenance Projects PROJECT SCOPE DATA SHEET</b>		
<b>Project Name:</b> Z12 REPLACE 222' DOM WTR PIPING & ASSOCIATED VL VS	<b>Date:</b> 8/28/2008	<b>Please Check one:</b> UPC <input type="checkbox"/> In-House Crafts <input type="checkbox"/> Outside Contract <input type="checkbox"/> <b>CAIS Project Number:</b> Z12 DW #4-SP08
<b>Project Point of Contact (POC):</b> Tommy Hammer, Phone: (806) 477-7486 or Pager 640-0009		
<b>Project Scope of Work:</b> Replacement of 222' of 8" mainline with 10" HDPE piping. This would also include replacement of water valve 12WV13, with the addition of 1 ea. 6" mainline valve to be located West of bldg. 12-23 in the 65-courtyard area. Tommy would also like to see all valves replaced with O-ring type, Post Indicator Valves (PIV's), for ease of maintenance, and system alignments.		
<b>Total Deferred Maintenance Reduction for this project</b>	<b>FY03 Baseline</b> \$22,742	<b>Non-FY03</b> \$71,203
	<b>Approved Funding Data</b> FIRP	<b>Total DM Credit (Estimate)</b> \$93,945
<b>SPECIAL NOTES:</b> Project cost <b>MUST NOT</b> exceed the approved funding amount stated above without <b>PRIOR</b> approval from Laura Valdez. If necessary, Steve Patterson can be contacted to reduce the project scope and/or project line items to ensure the project costs remain within the approved funding amount.		

CAS Group Project Estimate #DW Z12 Phase4(Rev1)-SP08							J	K	L	M	N	O
 <p>Maintenance Work Control Department                  Steve Patterson, 806-477-3457                  CAIS Administrator/CAS Section Manager                  Date: 08/28/08</p>		<b>NOTES:</b>		<b>POC Tommy Hammer X7486</b>								
				Work to be done in Zone 12. Replacement of 222' of 8" mainline with 10" HDPE piping. This would also include replacement of water valve 12"WV13 with a 10" valve; with the addition of 1 ea. 6" mainline valve to be located West of bldg. 12-23 in the 65-courtyard area. Tommy would also like to see all valves replaced with O-ring type, Post Indicator Valves (PIV's), for ease of maintenance, and system alignments.								
RSMeans Line Number	RSMeans Description <small>(Note: POC should be contacted prior to planning this project to clarify specific mat'l requirements)</small>	Quantity	Unit	Ext. Total Incl O&M	Notes	Year Deferr						
221113781232 s	Reducer, plastic, high density polyethylene (HDPE), single wall, welded, 10" x 8" diam., DR 11, add 1 weld per joint, excludes hangers, trenching, backfill, hoisting or digging equipment	3	Ea.	\$750		N/A New						
230523802070 s	Valves, steel, cast, gate, flanged, 150 lb., 6"	1	Ea.	\$8,875	Addition of a mainline valve west of 12-23 in 65-courtyard area	N/A New						
230523802090 s	Valves, steel, cast, gate, flanged, 150 lb., 10"	1	Ea.	\$19,000	To replace existing vlv #12WV13.	FY03						
G10308052340 s	Trenching, common earth excavator, 1/2 :1 slope, 4' wide, 6' deep, 1/2 CY BK	222	L.F.	\$14,600	Qty via MicoStation. Cost may vary due to possible foundation issues.	FY08						
<b>Subtotal (for in-house work)</b>				\$58,000	<b>\$22,742 FY03 DM Baseline (LOC2). Total DM Credit \$93,945. ESTIMATES ONLY! Actuals calculated when / if project is approved.</b>							
Pantex RTBF adjustment (26%)				\$15,100								
<b>Total Estimate</b>				\$73,000								
<b>DRVGS:</b>												
Dw Z12 Phase4(Rev1)-SP08		Estimate formulated using RS Means CostWorks with a CAIS cost adder factor and an RTBF adjustment factor. This report DOES NOT reflect actual CAIS DM buydown amounts. Actual DM buydown amounts will be determined upon project approval. <b>THIS IS A PROJECT ESTIMATE ONLY AND IS SUBJECT TO RTBF ESTIMATING APPROVAL.</b> For questions please contact Steve Patterson										

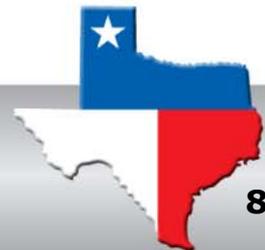
# Examples of FY08 Project Estimates

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- ✓ Provided RTBF with seven CostWorks total project estimates (includes DM and non-DM) valued at \$19,967,500
- ✓ Provided RTBF with sixteen CAIS DM project estimates valued at \$29,473,374

## ➤ Types of project estimates

- fencing work
- culvert work
- roofing repairs
- parking lot repairs
- septic system replacement
- gas main line replacement
- domestic water line replacement



# Questions!

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