

30-NOV-05 DATA
Central Artery/Tunnel Project
Massachusetts Turnpike Authority



WMI - I93 WATER MANAGEMENT INDICATORS
PROJECT DISTRIBUTION

OVERALL WEEKLY PROGRESS NOTES:

Targeting completion of all "wet" bay end injections by end of November 2005 and completion of all slurry wall repairs by late December 2005. 157 of 188 wall defects (84 percent) are now repaired.

1.) PANEL INSPECTIONS AND REPAIRS

PKC 11A1 Panel Repairs

- REPAIRS COMPLETE = 2 Of 2

15A1 Secondary Panel Inspection

- All of the secondary panel joints have been inspected. 0 panels remains to be classified concurrently with contractor inspections.

JFW 15A1 Panel Repairs

- REPAIRS COMPLETE = 30 Of 55

** Note: Of 25 remaining Panels, 14 require steel section installation. Work is expected to start week of 12/05/2005 and be complete by the end of December 2005. Other Panels will be completed by mid December 2005.*

CKA 15A2 Panel REPAIRS

- REPAIRS COMPLETE = 61 Of 61

MCC 17A1 Panel Repairs

- REPAIRS COMPLETE = 22 Of 26

** Note: Work on 2 Class 2 Panels is paced due to staging of lane closures to reduce traffic impacts to the public. They are forecast to complete – 1 on 12/05/2005 and 1 on 12/09/2005. Field work on Class 1, E-045 continues towards the schedule completion date of 12/09/2005. MW-85A continues with scheduled Completion by Mid December 2005.*

MCC 17A2/A6 Panel Repairs

- REPAIRS COMPLETE = 4 Of 4

MCC 17A9 Panel REPAIRS

- REPAIRS COMPLETE = 23 Of 23

MCC 19E1 Panel REPAIRS

- REPAIRS COMPLETE = 13 Of 13

Seeking detailed schedules from the Contractors for all repairs that need to be made.

2.) ROOF TO WALL JOINT – INJECTION GROUTING

- Work Program is essentially Complete with only 9 Locations remaining.
- Most remaining Locations are associated with ongoing Active Construction and Waterproofing Operations.

3.) ROOM AND ELECTRICAL GROUTING:

Progress on rooms, manholes, and conduits continues with multiple crews assigned to this work.

Contractors have not completed work as planned. Room and electrical grouting work must follow mainline tunnel waterproofing work being performed by C17A6 Contractor, which is still in progress.

Work is continuing in parallel to other ongoing work.

UPCOMING GOALS

- Continue to resolve miscellaneous issues with Utility Rooms, Conduit penetrations and Conduit sealing that manifests during the work. Currently there are 65 known locations – utility rooms, at conduit penetrations and at other miscellaneous locations that are planned to be eliminated.
- Resolve outstanding Leak Issues affecting Turnover of Systems to MTA Operations.
- Winterize Tunnel Elements and Clean Drainage Troughs.

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SLURRY WALL INSPECTION AND REPAIR

DATA AS OF 25-NOV-05

SLURRY WALL INSPECTIONS									
		DEFECT CLASSIFICATION							
CONTRACTOR	CONTRACT #	MAJOR (Class I)	MODERATE (Class II)	MINOR (Class III) patching	NOT YET CLASSIFIED	TOTAL DEFECTS (from p.s. visual)	REPAIRS completed (pending approval)	Forecast Completion	
		MODERN	C17A1	2	12	12		26	22
MODERN	C17A2	0	0	3		3	3	Completed	
MODERN	C17A6	0	0	1		1	1	Completed	
MODERN	C17A9	0	5	18		23	23	Completed	
MODERN	C19E1	0	1	12		13	13	Completed	
MODERN	C19E7	0	0	0		0			
MODERN	C14C2	0	0	0		0			
SLATTERY/INTERBETON/jfwhite/PERINI	C09A4	0	0	0		0			
PERINI/KIEWIT/CASHMAN	C11A1	0	1	1		2	2	Completed	
PERINI	C14C1	0	1	1		2	2	Completed	
JFWHITE/SLATTERY/PERINI (STAGE I AND STAGE II INSPECTION)	C15A1	0	33	22		55	30	12/27/2005	
J.CASHMAN	C15A2	0	5	56		61	61	Completed	
WALSH	C17A3	0	0	2		2	0	12/16/2005	
WALSH	C15A3	0	0	0		0			
		2	58	128	0	188	157		
							PENDING APPROVAL AND TEST RESULTS		

Notes:

1) As of 25-NOV-05, 41 Deficiency Reports have been closed out (ie. repair accepted).

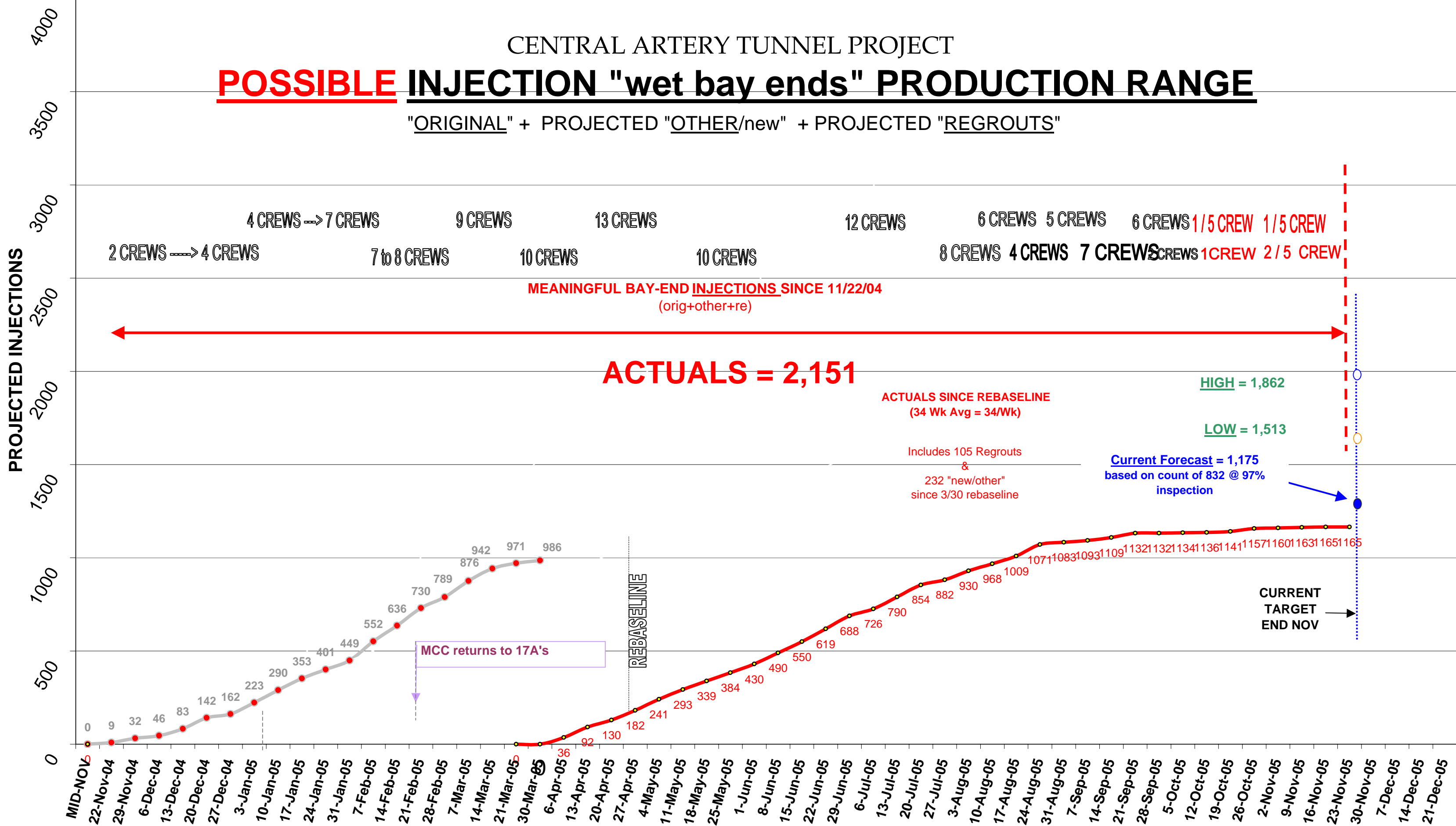
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ROOF TO WALL JOINT – GROUTING PROGRAM

CENTRAL ARTERY TUNNEL PROJECT

POSSIBLE INJECTION "wet bay ends" PRODUCTION RANGE

"ORIGINAL" + PROJECTED "OTHER/new" + PROJECTED "REGROUTS"

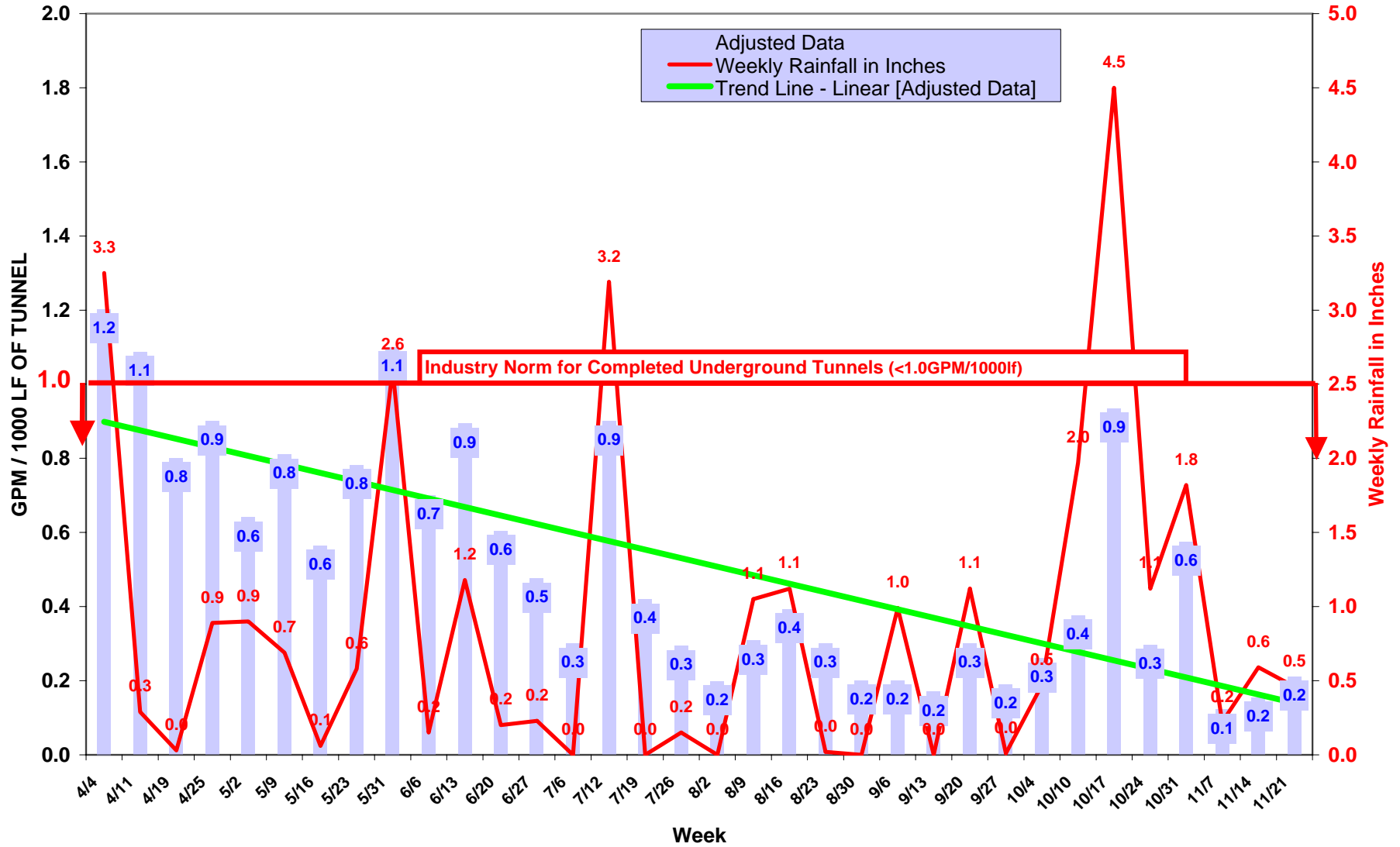


* 15-Jun / 28-Jun and 6-Jul / 19-Jul are averaged for the 2 week period

* Rebaseline nullifies Summer-04 724 ... (any of the 724 that are still wet are counted in the new 2005 inventory).
 * But, accounts for them in the findings "known" to date from the 64% inspection (wet bay ends) and ADDS an allowance for OTHER 36% that has yet to be inspected.
 * This "possible injection curve" accounts for "wet-bay-ends" only ... no "seeping or damp bay-ends" are included.

CENTRAL ARTERY TUNNEL PROJECT I-93 LOW POINT PUMP VOLUMES

21-NOV-05 DATA



See CA/T LPPSVOLUME file for data collection details/basis.
Data Points Rounded Off To One Decimal Place

NOTE: Adjusted data excludes volumes from the following water sources: ongoing construction discharges, tunnel wash operations, panel hydroblasting / power washing, and grouting operations.

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**MISCELLANEOUS LEAK LOCATIONS AND
ACTION ITEMS**

I - 93 Water Management Action Items
Overall Miscellaneous Leaks Associated with
Utility Rooms, Conduits, etc.

