

FHWA/CDOT Stewardship Agreement
Annual Audit Report FY 2009

Date of Report: November 2009 (for period July 1, 2008 to June 30, 2009)
Program Area: Design and Construction
CDOT Manager: Tim Aschenbrener
FHWA Manager: Shaun Cutting

Was each of the required actions in the FHWA Design and Construction Required Actions List assigned to Project Development Branch completed for fiscal year 2009? Yes with exceptions. If not, explain why not:

- Post-Construction Reviews, Inter-Regions Reviews, and Quality Assurance Reviews were suspended due to the current budget crisis and associated limitations on in-state travel.
- The number of claims is being tracked as required. However, we are also tracking the number of disputes as there has been a change in our specifications.

Describe the activities that were conducted to accomplish the elements listed in the Design and Construction Quality section:

- 1) There were 305 Change Orders submitted. Of those 261 (85%) were complete as submitted, 39 (13%) needed revision, 5 (2%) needed supplemental documentation.
- 2) The Liquidated Damages table was revised in FY 2008. Next revision scheduled for review in FY 2010.
- 3) 4 total claims were being tracked at the end of FY 2009. Of those there were 3 new claims filed in FY 2009 of which 1 was under \$250,000 and 2 were over \$250,000. Of the total number of claims being tracked (4), 1 was under \$250,000 and 3 were over \$250,000. 2 claims valued at approximately \$82K were resolved for \$0.
- 4) 10 total disputes were being tracked at the end of FY 2009. Of those there were 15 new disputes filed in FY 2009 of which 12 were under \$250,000 and 3 were over \$250,000. Of the total number of claims being tracked (10), 9 were under \$250,000 and 1 was over \$250,000. 14 claims valued at approximately \$1.176M were resolved for \$260K.
- 5) CDOT performed final warranty inspections on two projects with 5 year pavement warranties. A report was prepared, submitted, and approved that included additional action to be taken by the Contractor as per the warranty. Copies of the reports were submitted to the Materials and Geotechnical Branch for tracking warranties in the future.
- 6) One statewide FIPI was approved. There are now 12 active statewide FIPIs.
- 7) Three Joint CDOT/CCA Specifications Committee meetings were held, and 75 standard special provisions and sample project special provisions were issued. There were no revisions to the M-Standard Plans. One project special detail was issued.
- 8) CDOT provided a report to FHWA on its Value Engineering and VECF savings in November 2008.
- 9) No Post Construction Reviews were performed.
- 10) No Inter-Region Reviews were performed.
- 11) The Project Development Branch Area Engineers and FHWA Operation Engineers conducted 21 Residency Visits with all of the regional design/construction residencies and traffic units.
- 12) Three Area Engineer / FHWA Program Delivery Team Leader Meetings were held in FY 09.
- 13) The Project Development Branch was represented at the following committee meetings:
 - CDOT/CCA Specifications Committee - 3 of 3 meetings
 - CDOT/ACPA Coop - 3 of 3 meetings
 - CDOT/CAPA Coop - 4 of 4 meetings
 - PDAC - 3 of 3 meetings
 - MAC - 6 of 6 meetings
 - LART - 4 of 4 Meetings
 - RE Committee – 2 of 2 Meetings
 - Water Quality Advisory Committee – 3 of 5 Meetings

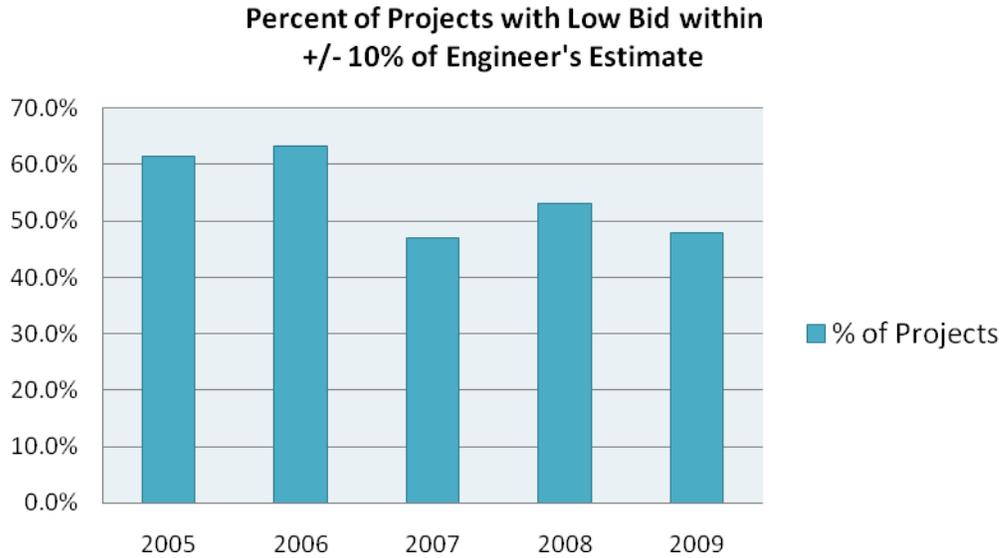
- 14) 318 construction project and 6 maintenance project traffic control reviews were conducted in FY 09. Statewide average construction project scores are not known at this time. Final report will be submitted to FHWA by 10/1/09 including scores.
- 15) Status of ongoing Quality Assurance Reviews was:
- FY 2007 – Hydraulics – Approved by EMT on October 2, 2008.
 - FY 2008 – Mechanically Stabilized Earth Walls – Approved by EMT on March 5, 2009
 - FY 2008 – M-Projects – Restarted effort 7/1/09 Interviews ongoing.
 - FY 2009 – Local Agency – Interviews ongoing – Submitted to QIC Aug 3, 2009
 - FY 2009 – ROW – Questionnaire being developed
- 16) Status of implementation of Quality Assurance Reviews was:
- FY 2006 – ADA – waiting on the Traffic Engineering Branch
- 17) Eighteen Construction Bulletins and seven Design Bulletins were issued. The Project Development, Construction, and Design Manuals were not scheduled for updates.
- 18) The Transportation Engineering Training Program (TETP) conducted training courses in five subject matters: Core Curriculum (1), Introduction to CPM Scheduling (2), Intermediate CPM Scheduling for Design and Construction (3), Alternative Dispute Resolution (1), Introduction to Context Sensitive Solutions (28 via Maintenance Training Academy) and Design Work-Hour Estimation (2). A total of 37 classes were held. Approximately 1,230 employees (1,120 maintenance personnel) attended training courses offered by the TETP. For the fiscal year, training courses received an average course rating of 4.40/5.00.

Performance Indicators:

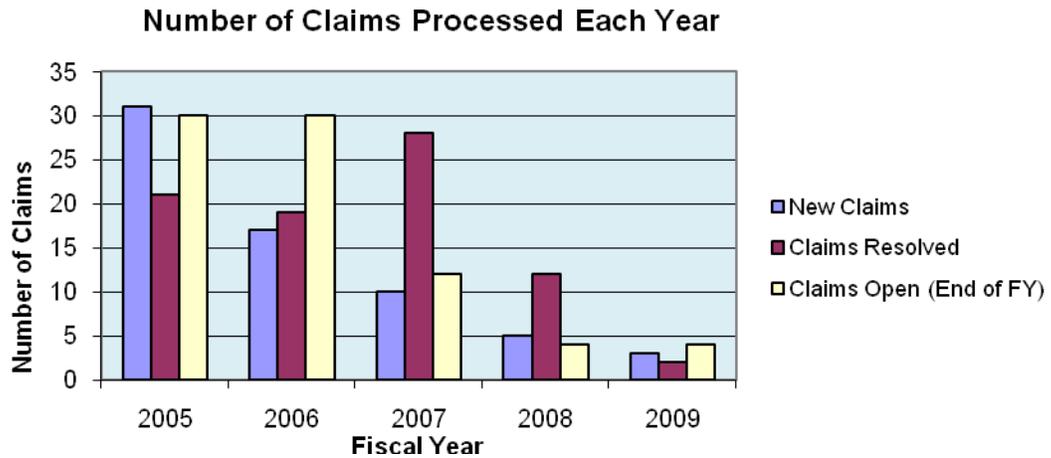
- 1) Percent of projects with final construction costs >10% of Engineer’s Estimate: 27%.
 Percent of projects with final construction costs >20% of Engineer’s Estimate: 14%



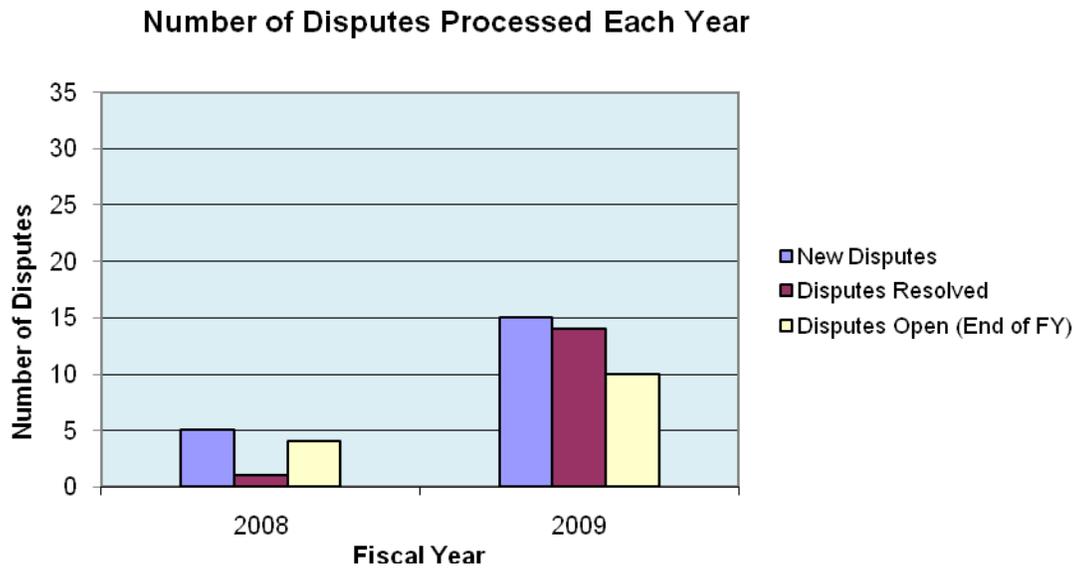
2) Percent of projects with low bid within +/- 10% of Engineer's Estimate: 48%.



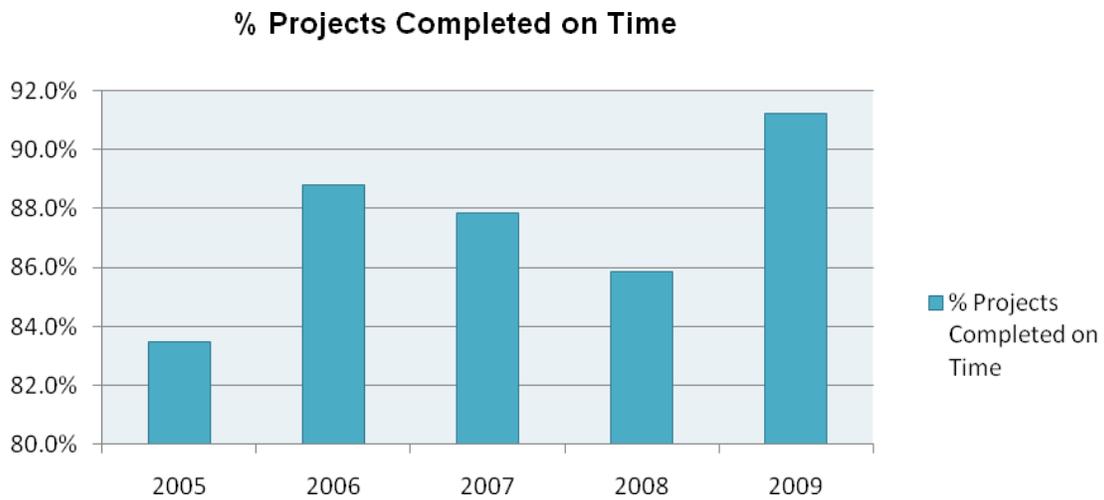
3) Number of claims processed each year: 3.



4) Number of disputes processed each year: 15.



5) Number of projects completed on-time: 91%.



Did your program area encounter problems with the Stewardship Agreement (i.e. lack of understanding, etc.)? No.