



COLORADO
Department of Transportation
Office of the Chief Engineer

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MEMORANDUM

To: Transportation Commission
From: Stephen Harelson, Chief Engineer
Barb Cohn, Chief Data Officer
Date: November 18, 2021
Subject: CDO Software Application Update and Demo

Purpose:

Over the past 4 plus years, the Chief Data Office has developed and implemented several back office systems to expand our use of data analytics. A cloud architecture called “ADAP,” often generically described as a data lake, allows disparate types of data from every corner of CDOT to reside in the same “lake.” CDOT has developed techniques to preprocess the information and adds handles to it, so that when the information is put in the lake, it can be easily linked with other information. When all the data is in the lake, one only needs a digital fishing pole to start landing lunker actionable data products. CDOT is now at the point our data lake is being stocked with fish, and we are ready to move to the next step. Today, Barb Cohn will provide a demonstration of some of the applications that we have started to develop, and a peak into the very near future to see what’s next. She’ll also talk about some other parallel efforts that her team has also been involved in.

Action:
None

Next Steps:
None

Attachments:
Watch the demo.

