

Reporting California Department of Justice Assembly Bill 953 Stops Data Collection System

After analyzing the California Department of Justice (DOJ) system’s data model and attribute repository for AB 953, we determined it is significantly different from the existing data model we currently have for our SFPD e-Stops Oracle Business Intelligence (BI) reporting.

Below are some High-level estimates for duration and costs:

Section/Phase	REQUIREMENTS	DURATION	COST ¹
<p>Technical Phase: Build a new and fully complete reporting environment for final AB 953 regulated stop data based off the DOJ system.</p> <p>This reporting environment will be similar to what we have today for e-Stops, including all of the data attributes from the DOJ system. This would be the most comprehensive option as reporting environment could be used for BOS quarterly reporting, by crime analysis unit and other units for analysis.</p>	<ul style="list-style-type: none"> • Designing and implementing new BI data model • Designing and developing the new ETL (data) pipeline • Designing a semantic layer for self-analysis and quality assurance of data attributes • Develop the BOS quarterly report from the new reporting environment 	<p>6 months</p> <p>*Starting after DOJ regulated stop physical data model and data feed layout is available for extraction and testing validation (i.e., expected begin date of August 1, 2018 would equate to a completion date for this option as ~March 2019)</p>	<p>\$250,000</p>
<p>Policy/Reporting Phase: Consultant time to develop draft reporting format from multivariate data sets, fine-tune the report and BI data model, and adjust model against final reporting attributes.</p> <p>This would allow the data output of the model to be shaped into an actual readable report and be aligned with DOJ policy and reporting dataset interpretation.</p>	<ul style="list-style-type: none"> • Refine quarterly report format from new reporting environment • Design quarterly report to accept/display new multivariate data points • Adjust data model against final designed report • Contingency BI model programming as necessary 	<p>6-8 weeks, concurrent to the end of the above phase.</p>	<p>\$250,000</p>

¹ Cost estimates are for Oracle consultants’ time/materials only and not representing internal staffing costs for developing new reporting.