1. Installation

Install version 8 of the Java Runtime Environment:

 <u>http://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-</u> 2133155.html

Download & run the response plan generator application:

• RulesEngineTestingApplication-0.8.3-SHADE_for_UCB_testing.jar

To view generated response plan .kml files on a map, install Google Earth Pro and use the registration code "GEPFREE":

https://www.google.com/earth/desktop/

2. Use

The application may be run as-is with the bundled I-210 sample data by simply launching it and clicking the "Develop plans" button; results will be shown in the text window in section (3) of the application dashboard:

•	Connected Corridors: Response Plans					
	<u>ه</u> ٠٠:۲	Connected Corri	dors: Response Pla	ns (v 0.8.3)	?	
1	File source: application de	fault	Change file source 💌 Export default files			
	My incident: 2 (of 5) lanes closed on WB-210 after WBAllen and before WBHill. Starting on Tue, Jul 11, 2017 at 3:37 PM (reported 5 minutes later), lasting 60 minutes.					
	Name	My incident	Incident date	7/11/2017		
\bigcirc	Freeway, Direction	210 • WB •	Incident start time	15:37		
\mathbf{C}	Number of lanes	5	Duration (min)	60		
	Number of lanes closed	2	Reporting delay (min)	5		
	Last available offramp	WBAllen 👻	First available onramp	WBHill	•	
3 	21 rules and 248 facts imp y incident: 2 (of 5) lanes cl ules engine completed, wit RESPONSE I Incident: My incident * Freeway: WB210 * Lanes Closed/Total	orted successfully. osed on 210-WB after WB/ h 9 response plan(s) gener PLAN #9 : 2/5	Allen and before WBHill. Sta rated. 	arting on Tu	elop plans ve results	

2a. Exporting results

The "Save results" button allows a local save of a text file containing the text shown in window (3) of the dashboard, as well as a Google Earth .kml file for displaying response plans on a map:



Text file -- for example, "Results_2017-08-21T12-14-59.152.txt":

)V, rep ile	#1 lanes blocked: 2 (of 5) lanes closed on 210-WB after WBAllen and before WBHill. Starting on Mon, Aug 21, 2017 at 3:37 PM Norted 15 minutes later), lasting 60 minutes. s engine completed, with 19 response plan(s) generated.
	RESPONSE PLAN #19
	Incident: HOV, #1 lanes blocked * Freeway: WB210 * Lanes Closed/Total: 2/5 * Incident Duration (Estimated): 60minutes * Incident Start Time: 2017-08-21T15:37 (MONDAY) * Last Available Offramp: WBAllen * First Available Offramp: WBAllen * First Available Onramp: WBHill * Reporting Delay: 15minutes
	Route Strategy: Available * Route: WB_Art_Foothill-Walnut_Baldwin_Hill * Signal Strategy (On Route): WB Foothill-Walnut (120s) - Baldwin to Hill * Signal Strategy (Off Route): Support for WB Hill return routes * Ramp Meter Strategy (Off Route): WB Hill Green Ball * Ramp Meter Strategy (Off Route): None * Wayfinding Strategy: FoothillWalnut-Baldwin-Hill WB Route Description:
	WB Art alternate route, using Foothill-Walnut from WBBaldwin to WBHill [WB_Art_Foothill-Walnut_Baldwin_Hill] Available On-Route Signal Strategy: * Plan "SP1 WB (1205)" on controller PA 373 - [PA 373] Foothill Blvd & PCC Driveway Entrance, Pasadena (Pasadena) * Plan "SP1 WB (1205)" on controller PA 184 - [PA 184] Foothill Blvd & San Gabriel Blvd, Pasadena (Pasadena) * Plan "SP1 WB (1205)" on controller PA 183 - [PA 183] Foothill Blvd & San Gabriel Blvd, Pasadena (Pasadena) * Plan "SP1 WB (1205)" on controller PA 184 - [PA 183] Foothill Blvd & Altadena Dr, Pasadena (Pasadena) * Plan "SP1 WB (1205)" on controller PA 189 - [PA 189] Foothill Blvd & Halstead St, Pasadena (Pasadena) * Plan "SP1 WB (1205)" on controller PA 199 - [PA 189] Foothill Blvd & Halstead St, Pasadena (Pasadena)





2b. Exporting data for local data entry/modification

The "Export default files" button allows a local save of data files used as input to response plan generation.

2c. Selection of data source

Use the "Change file source" button to switch between using application-bundled input data and locally-saved/managed input data.

"Use application default files":



"Use custom files directory":



My incident: 2 (of 5) lange closed on WR-210 after WRAllen and hefore WRHill Starting on Tue