

Coordinated Highways Action Response Team Estimation of Incident duration in real time

Instruction for Incident duration prediction program



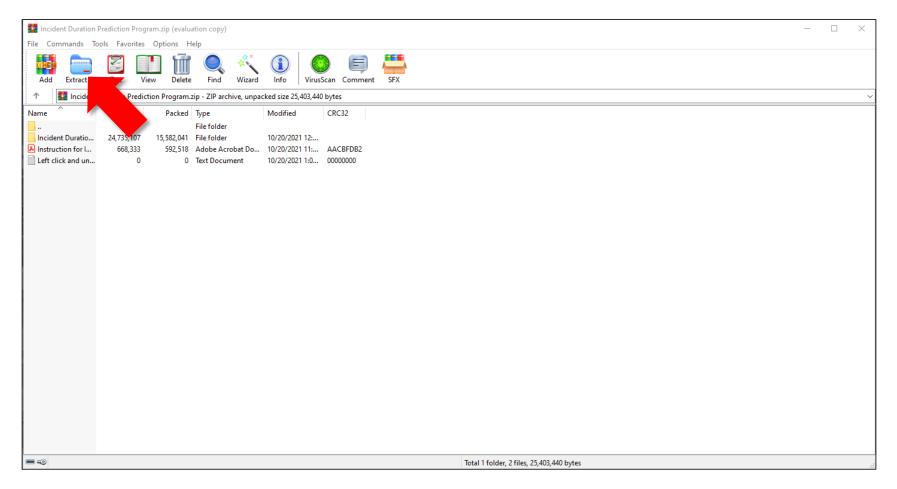
Traffic Safety and Operation Lab Dept. of Civil and Environmental Engineering University of Maryland, College Park



Office of Transportation Mobility and Operations Maryland Department of Transportation State Highway Administration

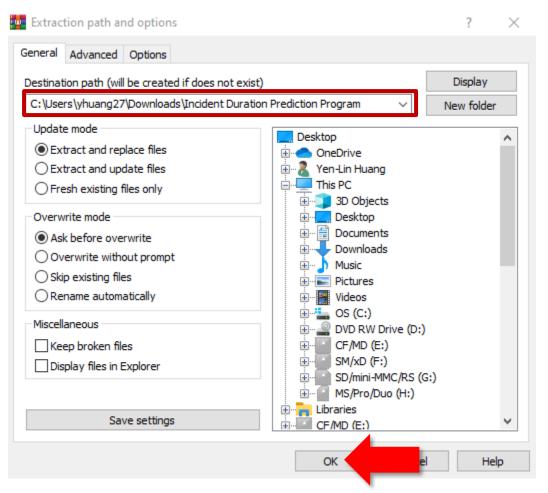
Preparation for program

Double click "Incident-Prediction-Program-Delivery.zip" file Click "Extract To" button



Preparation for program

Specify a destination you want to extract files Click "OK" button

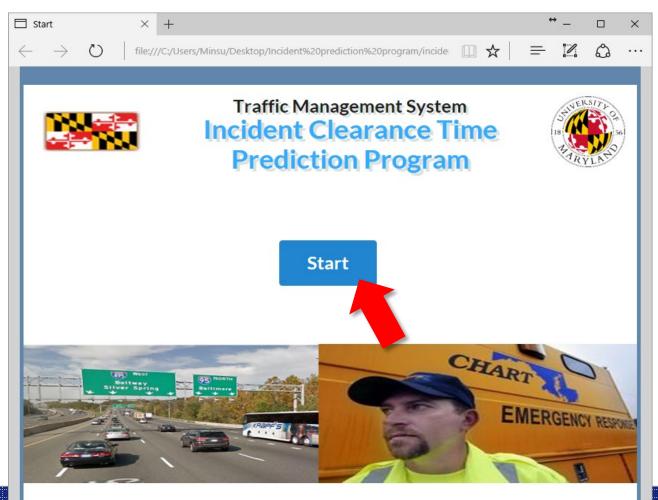


Navigate to the folder where the file is extracted
 Click the folder "Incident Duration Prediction Program"
 Double click "Click to Start.html" file to start

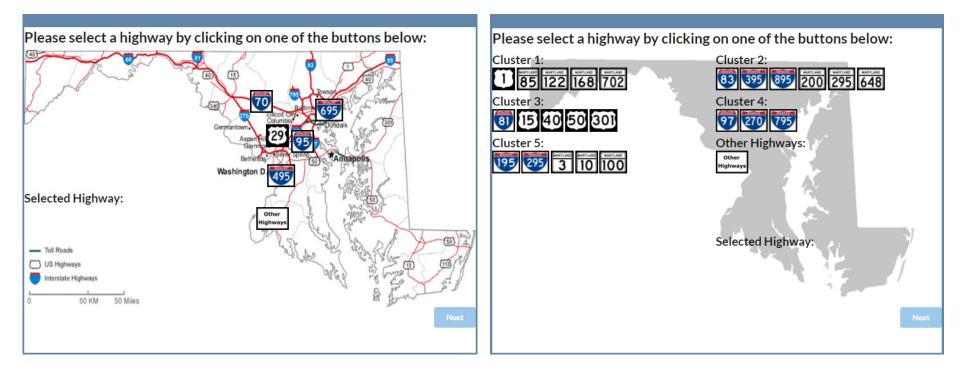
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Click "Start" button

Follow the on-screen instructions to estimate incident clearance time



- Click the icon of one highway, and press "Next"
- Note that "Other Highways" are further divided into five clusters, and the routes that are not classified into those five clusters are stored in "Other Highways"

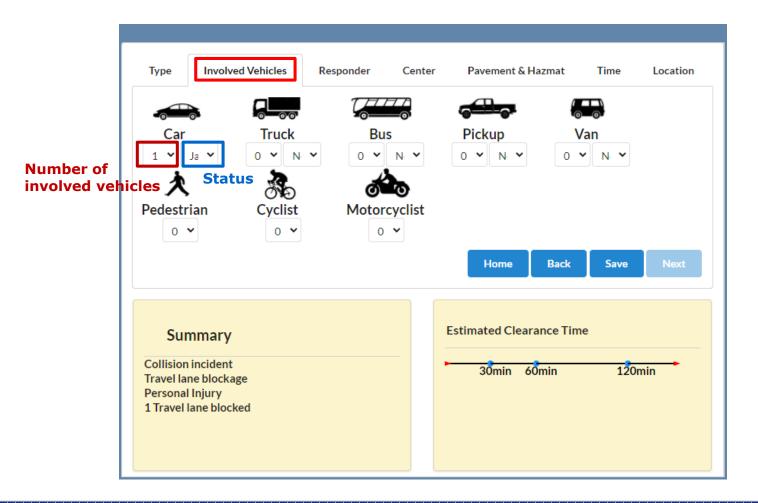


- Input the incident features and click "Save", then click "Next" for the next features
- An initial estimated result would be updated every time an additional information associated with "Type" of incident is entered

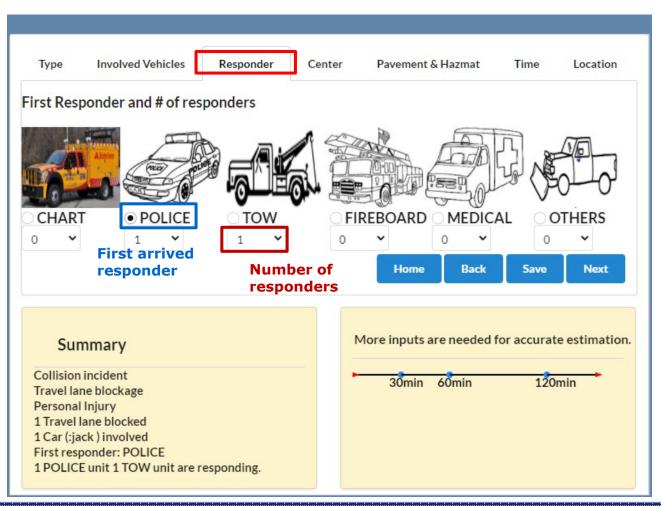
Туре	
	 • • # of blocked TRAVEL lanes • • # of blocked SHOULDERs An Auxiliary lane blocked A lane in TUNNEL blocked A lane in TOLL blocked Home Back Save Next
Summary Collision incident Travel lane blockage Personal Injury	Estimated Clearance Time 30min 60min 120min 10-45 60% 10-55 70% 5-70 80% Average CT = 33 mins

Initial estimated result

In "Involved Vehicles", one should first specify the number of involved vehicles then specify their status



In "Responder", the first arrived responder and the number of responders should be specified



The final estimated result would be provided only when all the features have been inputted, otherwise it remains showing the initial estimated result

Type Involved Vehicles Re	sponder Center Pavement & Hazmat Time Location
	No Information ~
	No Information V Other Exits V
Washington Mit Damin Arington Marcana	
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Summary	All information has been recorded.
Collision incident Travel lane blockage	30min 60min 120min
Personal Injury 1 Travel lane blocked	10-3 0 60%
1 Car involved	5-30 70%
First responder: TOW 1 TOW unit is responding.	Average CT = 22 mins
Other	

Final estimated result