

## Welcome to FAZSTATION

Submitting this properly, completed input sheet will faithfully implement material in Chapter 10 in Transit Cooperative Research Program Report 165's "Transit Capacity and Quality of Service Manual." Please read disclaimer below. Using FAZSTATION, one can design and operational analyze many station elements. One can determine some capacities that will provide sufficient emergency evacuations per National Fire Protection Association NFPA 130 Standard for Fixed Guideway Transit and Passenger Rail Systems.

For further information on a particular input variable, click its link on this form.

To load data from a previously saved session, [GO TO BOTTOM](#) to browse and load.

To return to main menu, [MENU](#).

To logout, [LOGOUT](#).

<b>General Information</b>
Analyst <input type="text" value="Any_Name"/>
Agency/Co. <input type="text" value="Fazio_Engineerware"/>
Analysis Date <input type="text" value="30_February_2018"/>
<b>Station Information</b>
Transit Line <input type="text" value="Rapid_Transit_Blue_Line"/>
Station Name <input type="text" value="Harlem"/>
Station Number/Location <input type="text" value="4_Harlem_and_Kennedy_Expressway"/>
Comment <input type="text" value="2020_forecast"/>

### Inputs:

<b>STATION ELEMENT</b>
<a href="#">Doorways</a>
<a href="#">Ticket Vending Machines</a>
<a href="#">Faregates</a>
<a href="#">Walkways</a>
<a href="#">Pedestrian Circulation Areas</a>
<a href="#">Moving Walkways</a>
<a href="#">Stairways</a>
<a href="#">Escalators</a>
<a href="#">Elevators/Lifts</a>
<a href="#">Ramps</a>
<input type="text" value="Doorways"/>

<b>DOORWAYS</b>
<a href="#">Target LOS</a> <input type="text" value="C"/>
<a href="#">Number of free swinging doors</a> for subject direction, doors <input type="text" value="8"/>
<a href="#">Door width</a> , inches <input type="text" value="36"/>
<a href="#">Number of revolving doors</a> for subject direction, doors <input type="text" value="1"/>
<a href="#">Pedestrian demand</a> in subject direction, p/min <input type="text" value="40"/>

<b>TICKET/CARD VENDING MACHINE</b>
<a href="#">Arriving passengers</a> , p/h <input type="text" value="600"/>
<a href="#">Proportion of arriving passengers purchasing a ticket/card</a> , decimal <input type="text" value="0.15"/>
<a href="#">Average transaction time</a> , s/p <input type="text" value="45"/>

<b>FAREGATES</b>
<a href="#">Faregate Type</a> <input type="text" value="Swiped magstripe ticket, turnstile"/>
<a href="#">Pedestrian demand</a> in subject direction, p/min <input type="text" value="40"/>

<b>WALKWAYS</b>
<a href="#">Desired LOS</a> <input type="text" value="D"/>
<a href="#">Buffer clearance width on one side</a> , ft <input type="text" value="1.5"/>
<a href="#">Pedestrian demand</a> in subject direction, p/min <input type="text" value="40"/>

<b>PEDESTRIAN CIRCULATION AREAS</b>
<a href="#">Space available</a> , ft <sup>2</sup> <input type="text" value="6400"/>
<a href="#">Analysis period</a> , s <input type="text" value="900"/>
<a href="#">Number of people involved in the activity</a> , p <input type="text" value="80"/>
<a href="#">Space required for the activity</a> , ft <sup>2</sup> /p <input type="text" value="9"/>
<a href="#">Time required for activity</a> , s <input type="text" value="300"/>

<b>MOVING WALKWAYS</b>
<a href="#">Pedestrian demand</a> in subject direction, p/min <input type="text" value="150"/>
<a href="#">Tread Width</a> <input type="text" value="Double Width"/>

<b>STAIRWAYS</b>
<a href="#">Method</a> <input type="text" value="LOS"/>
<a href="#">Bi-directional flow friction adjustment</a> , decimal <input type="text" value="0.2"/>
<a href="#">Arriving pedestrians</a> , p <input type="text" value="10"/>
<b>LOS Method</b>
<a href="#">Desired LOS</a> <input type="text" value="D"/>
<a href="#">Pedestrian demand</a> in subject direction, p/min <input type="text" value="40"/>
<a href="#">Minor. reverse-flow pedestrian volume present?</a> <input type="text" value="Yes"/>
<b>Pedestrian Lanes Method</b>
<a href="#">Number of pedestrian lanes</a> , ln <input type="text" value="3"/>
<a href="#">Desired quality of service</a> <input type="text" value="Recommended for general use"/>

<b>ESCALATORS</b>
<a href="#">Pedestrian demand</a> in subject direction, p/min <input type="text" value="40"/>
<a href="#">Tread width type and speed</a> , ft/min <input type="text" value="Single width, 90 ft/min"/>

<b>ELEVATORS / LIFTS</b>
<a href="#">Total number of people</a> , p <input type="text" value="10"/>
<a href="#">Cab floor area</a> , ft <sup>2</sup> <input type="text" value="64"/>

<b>RAMPS</b>
<a href="#">Desired LOS</a> <input type="text" value="D"/>
<a href="#">Buffer clearance width on one side</a> , ft <input type="text" value="1.5"/>
<a href="#">Pedestrian demand</a> in subject direction, p/min <input type="text" value="40"/>

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To calculate, press **SUBMIT** button. Results appear at bottom of page.

To Save or Load Inputs For Later Usage:

NOTE: Save and load features may not work in some browsers. Enable JavaScript.

Filename to Save As:

Select a File to Load:

No file selected.

To return to main menu, [MENU](#).

To logout, [LOGOUT](#).

DISCLAIMER: FAZSTATION is a faithful implementation in that FAZSTATION produced values which corresponded very closely with Transit Cooperative Research Program Report 165, Transit Capacity and Quality of Service Manual, 3rd Edition, calculated values. FAZSTATION cannot guarantee 100% that other calculated values will produce accurate results. If the user suspects erroneous FAZSTATION results, the user should perform manual calculations. If discrepancies exist between FAZSTATION and manual calculations, the user should report such discrepancies to Fazio Engineerware.