

9 Station with platforms on both sides of track where passengers may enter on either side

The Station is loosely modeled on Jamaica Station of Long Island Rail Road located in Queens County, Long Island, NY. Although not an exact replica of the environment, the representation strives to capture the requirements of the station and a subset of the platforms and tracks.

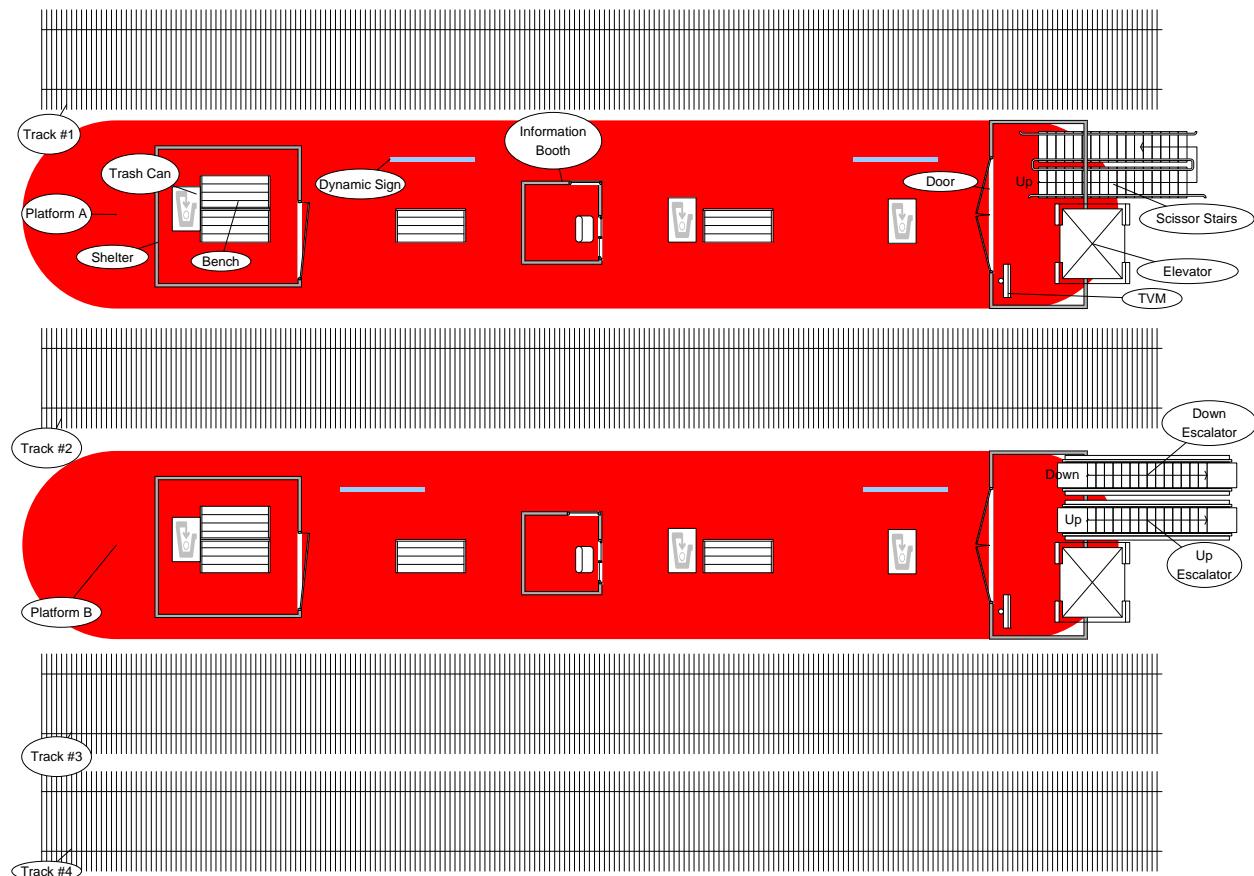


Figure 1: Station View used for Example 9

The representation is composed of two platforms with portals to a Mezzanine area. Each platform is flanked by a set of tracks on either side. Although the platforms are outside, they are covered. Each platform also contains an enclosed and heated waiting area with 2 benches and trash can. The platforms also have an information booth / control building, and 2 benches, 2 trash cans and 2 dynamic signs. In the platform entry-way is a Ticket Vending Machine (TVM) and doors by which passenger enter or exit the platform. Platform A has a set of stairs and elevator, while Platform B has up and down escalators and an elevator.

This station view is described in a series of tables that follow. The example data, identifiers and values, are fictional and do not represent any used by transit operators.

Table 1: Transit Facility Definition

Transit_Facility	comment	Value
transitFacilityID		1534
location		1025
facilityName		Jamaica Station (LIRR)
facilityDescription		Jamaica Station, a major hub of Long Island Rail Road is located on Sutphin Boulevard and Archer Avenue, 2 blocks south of Jamaica Avenue. Jamaica Station also serves NY City Transit Bus and Subway, Air-Train/JFK and MTA Long Island Bus routes.
owner	Not included (ni)	
isPartOf		yes
partOf	Jamaica Center	1001534
plantComponentList	See list of plant components in table 2	

plantCompType codes: amenity (1); passengerAccessComponent (2); portal (3); transitStop (4); track (5)

Scenario #1: All plant components are associated with a single facility

Table 2: Plant Component Definition for all Types

Plant Component Records					
Inventory	plantCompID	plantCompType	locationDescription	plantComponentDescription	status*
Platform A	A	4	Ground level, passage from mezzanine level		
Platform B	B	4	Ground level, passage from mezzanine level		
Track 1	1	5	Access through Platform A		
Track 2	2	5	Access through Platform A and B		
Track 3	3	5	Access through Platform B		
Track 4	4	5	No access from station		
Trash Can 1	1234	1	Front Platform A		
Trash Can 2	1235	1	Middle Platform A		
Trash Can 3	1236	1	Back Platform A		
Trash Can 4	1237	1	Front Platform B		
Trash Can 5	1238	1	Middle Platform B		
Trash Can 6	1239	1	Back Platform B		
Bench 1	1234	1	On Platform A in shelter		
Bench 2	150	1	Mid platform A		
Sign 1	X345	1	Platform A, front		
Sign 2	X346	1	Platform A, back		
Sign 3	X347	1	Platform B, front		
Sign 4	X348	1	Platform B, back		
Door platform A	platformA	3	On platform level platform A		
Door platform B	platformB	3	On platform level platform B		
Down escalator	t45-3456093-tvb	2			
Up escalator	t45-3456092-tvb	2			
Elevator P-A	wxqya 3456093 tvb	2			
Elevator P-B	wxqya 3456094 tvb	2			
Stairs	1205	2			
Info Booth P-A	platformA	1		Only staffed during peak	
Info Booth P-b	platformB	1		Staffed during facility operations	

* details for status in table 3 below

statusTypeCode: primary (1); revised (2); temporary (3); obsolete (4); suspended (5); planned (6).

Table 3: Status records for Plant Components

Inventory	revisionNo	activationDate	deactivationDate	Status Records		placementDate	statusTypeCode	history
				creationDate	modificationDate			
Platform A	02102001	02102001	01019999	07302006		07302006	1	
Platform B	02102001	02102001	01019999	07302006		07302006	1	
Track 1	01011934	01011934	01019999	07302006		07302006	1	
Track 2	01011934	01011934	01019999	07302006		07302006	1	
Track 3	01011934	01011934	01019999	07302006		07302006	1	
Track 4	01011934	01011934	01019999	07302006		07302006	1	
Trash Can 1	06242006	01019999	01019999	07302006		07302006	1	
Trash Can 2	06242006	06242006	01019999	07302006		07302006	1	
Trash Can 3	06242006	06242006	01019999	07302006		07302006	1	
Trash Can 4	06242006	06242006	01019999	07302006		07302006	1	
Trash Can 5	06242006	06242006	01019999	07302006		07302006	1	
Trash Can 6	06242006	06242006	01019999	07302006		07302006	1	
Bench 1	06242006	06242006	01019999	07302006		07302006	1	
Bench 2	06242006	06242006	01019999	07302006		07302006	1	
Sign 1	05242005	05242005	01019999	07302006		07302006	1	
Sign 2	05242005	05242005	01019999	07302006		07302006	1	
Sign 3	05242005	05242005	01019999	07302006		07302006	1	
Sign 4	05242005	05242005	01019999	07302006		07302006	1	
Door platform A	06242006	06242006	01019999	07302006		07302006	1	
Door platform B	06242006	06242006	01019999	07302006		07302006	1	
Down escalator	05242005	05242005	01019999	07302006		07302006	1	
Up escalator	05242005	05242005	01019999	07302006		07302006	1	
Elevator P-A	05242005	05242005	01019999	07302006		07302006	1	
Elevator P-B	05242005	05242005	01019999	07302006		07302006	1	
Stairs	06242006	06242006	01019999	07302006		07302006	1	
Info Booth P-A	02102001	02102001	01019999	07302006		07302006	1	
Info Booth P-b	02102001	02102001	01019999	07302006		07302006	1	

Scenario #2: Each Platform is considered a separate facility and incorporated into Jamaica Station (ID# 1534)

Table 4: Transit Facility Definition for Platform A

Transit_Facility	comment	Value
transitFacilityID		1534-A
locationID		1025
facilityName		Platform A Jamaica Station (LIRR)
facilityDescription		Platform A facility description
owner		
isPartOf		yes
partOf	Jamaica Center	1534
plantComponentList	See list of plant components in table 5	

Table 5: Plant Component Definition for all Types

			Plant Component Records	
Inventory	plantCompID	plantCompType	locationDescription	plantComponentDescription status*
Platform A	A	4	Ground level, passage from mezzanine level	
Track 1	1	5	Access through Platform A	
Track 2	2	5	Access through Platform A and B	
Trash Can 1	1234	1	Front Platform A	
Trash Can 2	1235	1	Middle Platform A	
Trash Can 3	1236	1	Back Platform A	
Bench 1	1234	1	On Platform A in shelter	
Bench 2	150	1	Mid platform A	
Sign 1	X345	1	Platform A, front	
Sign 2	X346	1	Platform A, back	
Door platform A	platformA	3	On platform level platform A	
Elevator P-A	wxqya 3456093 tvb	2		
Stairs	1205	2		
Info Booth P-A	platformA	1		Only staffed during peak hrs

* details for status in Table 3 above

Table 6: Transit Facility Definition for Platform B

Transit_Facility	comment	Value
transitFacilityID		1534-B
locationID		1025

facilityName	Platform A Jamaica Station (LIRR)	
facilityDescription	Platform B facility description	
owner		
isPartOf	yes	
partOf	Jamaica Center	1534
plantComponentList	See list of plant components in table 5	

Table 2: Plant Component Definition for all Types

Plant Component Records					
Inventory	plantCompID	plantCompType	locationDescription	plantComponentDescription	status*
Platform B	B	4	Ground level, passage from mezzanine level		
Track 2	2	5	Access through Platform A and B		
Track 3	3	5	Access through Platform B		
Trash Can 4	1237	1	Front Platform B		
Trash Can 5	1238	1	Middle Platform B		
Trash Can 6	1239	1	Back Platform B		
Sign 3	X347	1	Platform B, front		
Sign 4	X348	1	Platform B, back		
Door platform B	platformB	3	On platform level platform B		
Down escalator	t45-3456093-tvb	2			
Up escalator	t45-3456092-tvb	2			
Elevator P-B	wxqya 3456094 tvb	2			
Info Booth P-b	platformB	1		Staffed during facility operations	

* details for status in table 3 below

Platform (Transit Stop) Definitions

Transit_Stop	comment	Platform A	Platform B
stopID	platform	A	B
location	Uses facility locationID	1025	1025
address	ni		
stopOwner	ni		
alongLocation	right, left, both	both	both
heading	Not used		
length	[feet]	120	120
stopType	bay (1) lane (2) berth (3) platform (4) accessArea (5) flagOnStreet (6) flagOffStreet (7) noFlagOnStreet (8) noFlagOffStreet (9)	platform	platform
publicStopName		Platform A	Platform B
publicStopNumber		A	B
trackList	List of track numbers (max of two?)	<track> 1 </track> <track> 2 </track>	<track> 2 </track> <track> 3 </track>

Track Definitions

Transit_Stop	comment	Track 1	Track 2	Track 3	Track 4
trackNo		1	2	3	4
trackName	Not used				
trackDesc					Through track

Amenity Definitions

Notation and Code Definitions

Inventory <ul style="list-style-type: none"> • Trash can x6 • Benches x8 • Dynamic signs x4 • Information booths x2 • Enclosed, heated shelters x2 • TVM x2 	amenityCode shelter (1), bikeRack (2), concession (3), -- food and/or newspapers tvm (4), -- ticket vending machine marker (5), -- static sign informationKiosk (6), safetyZone (7), lighting (8), restroom (9), -- public telephone (10), fareSeller (11), -- fare media sales office/booth seating (12), -- bench surveillance (13), -- camera
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	tdd (14), -- telephone for the hearing impaired wifi (15), -- internet access informationMonitor (16), -- dynamic sign annunciator (17), -- public address system changeVendingMachine (18), trashcan (19)
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Amenity Definition

Amenity	Trash Can (6)	Bench (8)	Dynamic Sign (4)	TVM (2)
amenityID	ids = 1234-1239	IDs = 1234; 150-156	IDs = X345-x349	IDs = tvn12 – tvn14
amenityCode	19	12	16	4
description				

Amenity	Shelter (2)	Info Booth (2)
amenityID	IDs = platformA - platformB	IDs = platformA - platformB
amenityCode	1	6
description	Enclosed and heated	

Passenger Access Component Definitions

Inventory

- Elevators (x2)
- Stairs
- Up Escalator
- Down Escalator

Code Lists

passengerAccessCode: stairs (1); elevator (2); escalator (3); movingWalk (4); other (5);
accessDirectionCode: both (1); up (2); down (3);

Passenger Access Component for Elevators and Stairs

Passenger Access	Elevator (x2)	Stairs
passAccessID	wxqya 3456093 tvb to wxqya 3456094 tvb	1205
passengerAccessCode	Elevator = 2	Stairs = 1
accessLocationDesc	Between Mezzanine to Platform A or B	Between Mezzanine to Platform A
accessibilityDesc	Fully accessible	not accessible
accessDirectionCode	Both = 1	Both = 1
description	last inspection Jan 12, 2006	scissor staircase

Passenger Access Component for Escalators

Passenger Access	Down Escalator	Up Escalator
passAccessID	t45-3456093-tvb	t45-3456092-tvb
passengerAccessCode	Escalator = 3	Escalator = 3
accessLocationDesc	From Mezzanine to Platform B	From Platform B to Mezzanine

accessibilityDesc	not accessible for carts and wheelchairs	not accessible for carts and wheelchairs
accessDirectionCode	Down = 3	Up = 2
description	last inspection Jan 12, 2006	last inspection Jan 12, 2006

Note: Recommend that in the case where an escalator may be either up or down, for example, depending on the time of day, the accessDirectionCode should not be filled or if the time of day is known then a description should be included in the accessLocationDesc field.

Portal Definitions

Inventory: Doors (double glass/manual on each platform)

Portal	Door – Platform A	Door – Platform B
portalID	platforma	and platformb
openTime		
closeTime		
agencyID		
accessDirectionCode	Both =1	Both =1

Note: do we need to know that these are double doors? i.e., door type?