Travel Behavior Inventory (TBI) 2016 Transit On Board Survey

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Section 1: Overview

Originator: Metropolitan Council

Title: Travel Behavior Inventory (TBI) 2016 Transit On Board Survey

Abstract: Transit On-Board Survey conducted in 2016.

The On Board Survey was conducted in 2016 to support model development and analysis of the regional transit system. It includes origin-destination records for 30,605 transit trips across all regional routes and providers. The correct unlinked expansion factor is Unlinked_Weight-AE

Please refer to documentation for information about sample plan, survey instruments, field implementation, and data expansion.

Purpose: To assist the Twin Cities Metropolitan Planning Organization with transportation planning and project programming in the Twin Cities region.

Time Period of Content Date: April 2016 - January 2017

Currentness Reference: Data is based on transit system and ridership data from Fall 2016

Progress: Complete

Maintenance and Update Frequency: As needed

Spatial Extent of Data: 2016 transit system and orgins/destinations of surveyed users

Bounding Coordinates:
-95.846
-91.533
46.776
41.284

Place Keywords: Twin Cities, Anoka County, Carver County, Dakota County, Hennepin County, Ramsey County, Scott County, Washington County, Sherburne County

Theme Keywords: Travel Behavior Inventory, TBI, transit, transit on-board survey, on-board, OBS, origin-destination

Theme Keyword Thesaurus:

Access Constraints: None. This dataset is public domain under the Minnesota Government Data Practices Act (Minnesota Statutes Chapter 13). If the dataset is not available from the Online Linkage in Section 6, please contact the Distribution Contact Person.

Use Constraints: None. This dataset is public domain under the Minnesota Government Data Practices Act (Minnesota Statutes Chapter 13).

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Browse Graphic: None available

Associated Data Sets:

Section 2: Data Quality

Attribute Accuracy:

Logical Consistency:

Completeness:

Horizontal Positional Accuracy: TAZ
Thousandth of a degree

Vertical Positional Accuracy: TAZ
Thousandth of a degree

Lineage: Data was collected by ETC in 2016. Delivered to Metropolitan Council in 2017, scrubbed of private data.

Section 3: Spatial Data Organization (not used in this metadata)

Section 4: Coordinate System

Horizontal Coordinate Scheme:

Horizontal Datum:

Horizontal Units:

Vertical Datum:

Vertical Units:

Depth Datum:

Depth Units:

Section 5: Attributes

Overview: FIELD NAME FIELD DESCRIPTION FIELD VALUE
ID Unique Identifier for each record Actual Value
DATE Date survey was conducted Actual Value
ROUTE_SURVEYED_CODE Route survey was conducted on (code) Actual Value
ROUTE_SURVEYED Route survey was conducted on Actual Value
HOME_OR_HOTEL_ADDR Home Address where the respondent lives Actual Value
HOME_OR_HOTEL_ADDR_CITY Home City of the Respondent Actual Value

HOME_OR_HOTEL_ADDR_STATE Home State where the respondent lives Actual Value
HOME_OR_HOTEL_ADDR_ZIP Zip code where the respondent lives Actual Value
HOME_OR_HOTEL_ADDR_LAT Latitude coordinates where the respondent lives Actual Value
HOME_OR_HOTEL_ADDR_LON Longitude coordinates where the respondent lives Actual Value
HOME_OR_HOTEL_ADDR_LAT_100M Latitude coordinates where the respondent lives (100m) Actual Value
HOME_OR_HOTEL_ADDR_LON_100M Longitude coordinates where the respondent lives (100m) Actual Value
BOARDING_LOCATION Name/description/Intesection where the respondent boarded the Bus/Rail Actual Value
BOARDING_STOPID Unique Stop ID for each Bus/Rail Stop Actual Value
BOARDING_LAT Latitude coordinates of the boarding location Actual Value
BOARDING_LON Longitude coordinates of the boarding location Actual Value
BOARDING_LAT_100M Latitude coordinates of the boarding location (100m) Actual Value
BOARDING_LON_100M Longitude coordinates of the boarding location (100m) Actual Value
TRANSFERS_FROM_CODE Number of transfers a respondent took before surveyed route from Origin (Code) "0=(0) None
1=(1) One
2=(2) Two
3=(3) Three
4=(4+) Four or more"
TRANSFERS_FROM Number of transfers a respondent took before surveyed route from Origin Actual Value
TRANSFERS_FROM_FIRST_CODE First Transfer from Origin (Code) Actual Value
TRANSFERS_FROM_FIRST First Transfer from Origin Actual Value
TRANSFERS_FROM_FIRST_OTHER First Transfer from Origin (Other) Actual Value
TRANSFERS_FROM_SECOND_CODE Second Transfer to Origin (Code) Actual Value
TRANSFERS_FROM_SECOND Second Transfer to Origin Actual Value
TRANSFERS_FROM_SECOND_OTHER Second Transfer from Origin (Other) Actual Value
TRANSFERS_FROM_THIRD_CODE Third Transfer to Origin (Code) Actual Value
TRANSFERS_FROM_THIRD Third Transfer to Origin Actual Value
TRANSFERS_FROM_THIRD_OTHER Third Transfer from Origin (Other) Actual Value
TRANSFERS_FROM_FOURTH_CODE Fourth Transfer to Origin Actual Value
TRANSFERS_FROM_FOURTH Third Transfer from Origin (Other) Actual Value
ORIGIN_PLACE_TYPE_CODE Type of place respondent is coming from now code "1=Your HOME
2=Work
3=College / University (students only)
4=School K-12 (students only)
5=Doctor / Clinic / Hospital (non-work)
6=Shopping

7=Recreation / Sightseeing / Restaurant
8=Social Visit / Community / Religious / Personal
9=Airport (passengers only)
10=Sporting or Special Event
99=Other"
ORIGIN_PLACE_TYPE Type of place respondent is coming from now Actual Value
ORIGIN_ADDRESS Street address where the trip began Actual Value
ORIGIN_CITY City where the trip began Actual Value
ORIGIN_STATE State where the trip began Actual Value
ORIGIN_ZIP Zip code where the trip began Actual Value
ORIGIN_LAT Latitude coordinates where the trip began Actual Value
ORIGIN_LON Longitude coordinates where the trip began Actual Value
ORIGIN_LAT_100M Latitude coordinates where the trip began (100m) Actual Value
ORIGIN_LON_100M Longitude coordinates where the trip began (100m) Actual Value
ACCESS_MODE_CODE Mode of access to transit (Code) "1=Walk
2=Wheelchair, walker, motorized cart
3=Bike
4=Was dropped off by someone
5=Drove alone and parked
6=Drove or rode with others and parked
7=Car share
8=Taxi
9=Uber, Lyft, etc.
99=Other"
ACCESS_MODE Mode of access to transit Actual Value
VEHICLE_ACCESS_PARK_YN_PNR_CODE "For respondents who used a vehicle as their access mode, whether or not respondent parked or was dropped off at a park and ride lot (Code)" "1=Yes
2=No"
VEHICLE_ACCESS_PARK_YN_PNR "For respondents who used a vehicle as their access mode, whether or not respondent parked or was dropped off at a park and ride lot" Actual Value
VEHICLE_ACCESS_PARK_PNR_CODE "The specific park and ride lot accessed by respondents who used a vehicle as their access mode, and parked or were dropped off at a park and ride lot. (Code) " "9999=Other
PNR_1000_44.68865_-93.216054=Lakeville Cedar Park & Ride @ 18040 Cedar Ave
PNR_1001_44.707145_-93.284366=Kenrick Ave Park & Ride @ 16775 Kenrick Ave
PNR_1002_44.719979_-93.178663=157th St Station @ 15865 Pilot Knob Rd
PNR_1003_44.725696_-93.217535=Apple Valley Transit Station @ 15450 Cedar Ave S
PNR_1004_44.738653_-93.123825=Rosemount Transit Station @ Burnley Ave and 145th St
PNR_1005_44.746279_-93.327485=Savage Park & Ride @ 14121 Huntington Ave
PNR_1008_44.769336_-93.643129=Carver Station @ Jonathan Carver Pkwy and Ironwood Dr

PNR_1009_44.775847_-93.508209=Marschall Rd Transit Station @ 1615 Weston Ct
PNR_1010_44.779024_-93.27565=Burnsville Transit Station @ 100 Hwy 13 E
PNR_1015_44.791625_-93.198805=Blackhawk Park & Ride @ 4565 Blackhawk Rd
PNR_1016_44.812084_-93.217887=Cedar Grove Transit Station @ 4035 Nicols Rd
PNR_1017_44.812913_-93.602224=East Creek Station @ 2120 Chestnut St N
PNR_1021_44.825122_-92.955565=Cottage Grove Park & Ride @ 7500 W Point Douglas Rd S
PNR_1022_44.832321_-93.166805=Eagan Transit Station @ 3470 Pilot Knob Rd
PNR_1025_44.835411_-93.399207=Preserve Village Mall Park & Ride @ Anderson Lakes Pkwy and Hennepin Town Rd
PNR_1027_44.855491_-93.232354=28th Ave Station @ 8151 28th Ave S
PNR_1028_44.860043_-93.443789=SouthWest Station @ 13500 Technology Dr
PNR_1029_44.860593_-93.533749=Chanhassen Station @ 78th St and Great Plains Blvd
PNR_1032_44.882416_-93.321993=Southdale Transit Center @ York Ave and 66th St W
PNR_1033_44.893534_-93.197948=Fort Snelling Park & Ride North Lot @ Minnehaha and Hwy 62
PNR_1040_44.923476_-92.958652=Woodbury Lutheran Church Park & Ride @ 7380 Afton Rd
PNR_1045_44.937465_-93.663966=Mound Park & Ride @ 5515 Shoreline Dr
PNR_1048_44.95138_-92.937832=Guardian Angels Church Park & Ride @ 8260 4th St N
PNR_1050_44.969358_-93.421104=Co Rd 73 Park & Ride @ 1100 Hopkins Crossroad
PNR_1053_44.971861_-93.446193=Plymouth Rd Park & Ride @ I-394 and Plymouth Rd
PNR_1055_44.97325_-93.515864=Wayzata Park & Ride @ 322 Wayzata Blvd E
PNR_1057_44.986997_-93.418453=Station 73 Park & Ride @ 10905 Hwy 55
PNR_1059_44.994949_-93.504457=Olive Ln Park & Ride @ 17805 Co Rd 6
PNR_1063_45.012697_-93.155963=Grace Church Park & Ride @ 1310 Co Rd B2 W
PNR_1069_45.028169_-93.023006=Maplewood Mall Park & Ride @ 1793 Beam Ave
PNR_1080_45.078521_-93.270112=Fridley Station @ 6050 Main St
PNR_1081_45.080376_-93.132717=Shoreview Community Center Park & Ride @ 4600 Victoria St N
PNR_1083_45.091432_-93.436994=Maple Grove Transit Station @ 12350 Main St N
PNR_1086_45.102121_-93.470238=Cross Winds Church Park & Ride @ 15051 Weaver Lake Rd
PNR_1087_45.126778_-93.337163=Hwy 610 and Noble Park & Ride @ 440195th Ave N
PNR_1088_45.12696_-93.264806=Northtown Transit Center @ 150 Northtown Dr NE
PNR_1089_45.129586_-93.426967=Zachary Ln Park & Ride @ 11332 96th Ave

N
PNR_1090_45.132669_-93.475242=Parkway Station @ 9870 Maple Grove Pkwy
PNR_1091_45.142338_-93.285541=Foley Park & Ride @ 9425 Foley Blvd
PNR_1092_45.145447_-93.18386=95th Ave Park & Ride @ 3249 95th Ave NE
PNR_1095_45.167499_-93.134742=St Josephs Church Park & Ride @ 171 Elm St
PNR_1097_45.189985_-93.237941=Paul Pkwy Park & Ride @ Paul Pkwy and Ulysses St NE
PNR_1098_45.19127_-93.351504=Coon Rapids-Riverdale Station @ 3050 Northdale Blvd NW
PNR_1099_45.207781_-93.384663=Anoka Station @ 2718 4th Ave
PNR_1100_45.231961_-93.461709=Ramsey Station @ 7550 Sunwood Dr
PNR_1101_45.239783_-92.986342=Forest Lake Transit Center @ 19955 ForestRd N
PNR_1102_45.246424_-93.033084=Running Aces Park & Ride @ 15201 Zurich St NE
PNR_1104_45.282553_-93.542079=Elk River Station @ 17200 Twin Lakes Rd
PNR_1106_45.329772_-93.730458=Big Lake Station @ 19691 Co Rd 43
PNR_1107_45.392459_-93.87589=Becker Park & Ride @ Willow St and Hwy 10
PNR_1108_45.554149_-94.12487=East St Cloud Park & Ride @ 1919 Lincoln Ave SE"
VEHICLE_ACCESS_PARK_PNR "The specific park and ride lot accessed by respondents who used a vehicle as their access mode, and parked or were dropped off at a park and ride lot." Actual Value
VEHICLE_ACCESS_PARK_PNR_OTHER "The specific park and ride lot accessed by respondents who used a vehicle as their access mode, and parked or were dropped off at a park and ride lot. (Other)" Actual Value
VEHICLE_ACCESS_DROPOFF "The location accessed by respondents who used a vehicle as their access mode, and parked or were dropped off. (Address)" Actual Value
VEHICLE_ACCESS_DROPOFF_CITY "The location accessed by respondents who used a vehicle as their access mode, and parked or were dropped off. (City)" Actual Value
VEHICLE_ACCESS_DROPOFF_STATE "The location accessed by respondents who used a vehicle as their access mode, and parked or were dropped off. (State)" Actual Value
VEHICLE_ACCESS_DROPOFF_ZIP "The location accessed by respondents who used a vehicle as their access mode, and parked or were dropped off. (Zip)" Actual Value
VEHICLE_ACCESS_DROPOFF_LAT "The location accessed by respondents who used a vehicle as their access mode, and parked or were dropped off. (Lat)" Actual Value
VEHICLE_ACCESS_DROPOFF_LON "The location accessed by respondents who used a vehicle as their access mode, and parked or were dropped off. (Lon)" Actual Value
ALIGHTING_LOCATION Name/description/Intesection where the respondent alighted the Bus/Rail Actual Value
ALIGHTING_STOPID Unique Stop ID for each Bus/Rail Stop Actual Value
ALIGHTING_LAT Latitude coordinates of the alighting location Actual Value

ALIGHTING_LON Longitude coordinates of the alighting location Actual Value
ALIGHTING_LAT_100M Latitude coordinates of the alighting location (100m) Actual Value
ALIGHTING_LON_100M Longitude coordinates of the alighting location (100m) Actual Value
TRANSFERS_TO_CODE Number of transfers a respondent took after surveyed route to Destination (Code) "0=(0) None
1=(1) One
2=(2) Two
3=(3) Three
4=(4+) Four or more"
TRANSFERS_TO Number of transfers a respondent took after surveyed route to Destination Actual Value
TRANSFERS_TO_FIRST_CODE First Transfer to Destination (Code) Actual Value
TRANSFERS_TO_FIRST First Transfer to Destination Actual Value
TRANSFERS_TO_FIRST_OTHER First Transfer to Destination (Other) Actual Value
TRANSFERS_TO_SECOND_CODE Second Transfer to Destination (Code) Actual Value
TRANSFERS_TO_SECOND Second Transfer to Destination Actual Value
TRANSFERS_TO_SECOND_OTHER Second Transfer to Destination (Other) Actual Value
TRANSFERS_TO_THIRD_CODE Third Transfer to Destination (Code) Actual Value
TRANSFERS_TO_THIRD Third Transfer to Destination Actual Value
TRANSFERS_TO_THIRD_OTHER Third Transfer to Destination (Other) Actual Value
TRANSFERS_TO_FOURTH_CODE Fourth Transfer to Destination (Code) Actual Value
TRANSFERS_TO_FOURTH Fourth Transfer to Destination Actual Value
DESTIN_PLACE_TYPE_CODE Type of place respondent is going to now (Code) "1=Your HOME
2=Work
3=College / University (students only)
4=School K-12 (students only)
5=Doctor / Clinic / Hospital (non-work)
6=Shopping
7=Recreation / Sightseeing / Restaurant
8=Social Visit / Community / Religious / Personal
9=Airport (passengers only)
10=Sporting or Special Event
99=Other"
DESTIN_PLACE_TYPE Type of place respondent is going to now Actual Value
DESTINATION_ADDRESS Street address where the trip ended Actual Value
DESTINATION_CITY City where the trip ended Actual Value
DESTINATION_STATE State where the trip ended Actual Value
DESTINATION_ZIP Zip code where the trip ended Actual Value
DESTINATION_LAT Latitude coordinates where the trip ended Actual Value
DESTINATION_LON Longitude coordinates where the trip ended Actual Value
DESTINATION_LAT_100M Latitude coordinates where the trip ended (100m) Actual Value

DESTINATION_LON_100M Longitude coordinates where the trip ended (100m) Actual Value
EGRESS_MODE_CODE Mode of egress from transit (Code) "1=Walk
2=Wheelchair, walker, motorized cart
3=Bike
4=Was picked up by someone
5=Got in parked car and drove alone
6=Drove or rode with others and parked
7=Car share
8=Taxi
9=Uber, Lyft, etc.
99=Other"
EGRESS_MODE Mode of egress from transit Actual Value
VEHICLE_EGRESS_PARK_YN_PNR_CODE "For respondents who used a vehicle in as their egress mode, whether or not respondent parked or was picked up at a park and ride lot (Code)" "1=Yes
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PNR_1003_44.725696_-93.217535=Apple Valley Transit Station @ 15450 Cedar Ave S
PNR_1005_44.746279_-93.327485=Savage Park & Ride @ 14121 Huntington Ave
PNR_1007_44.767923_-93.437155=Eagle Creek Park & Ride @ Eagle Creek Blvd and Co Rd 21
PNR_1010_44.779024_-93.27565=Burnsville Transit Station @ 100 Hwy 13 E
PNR_1015_44.791625_-93.198805=Blackhawk Park & Ride @ 4565 Blackhawk Rd
PNR_1016_44.812084_-93.217887=Cedar Grove Transit Station @ 4035 Nicols Rd
PNR_1017_44.812913_-93.602224=East Creek Station @ 2120 Chestnut St N
PNR_1021_44.825122_-92.955565=Cottage Grove Park & Ride @ 7500 W Point Douglas Rd S
PNR_1022_44.832321_-93.166805=Eagan Transit Station @ 3470 Pilot Knob Rd
PNR_1027_44.855491_-93.232354=28th Ave Station @ 8151 28th Ave S
PNR_1028_44.860043_-93.443789=SouthWest Station @ 13500 Technology Dr
PNR_1029_44.860593_-93.533749=Chanhassen Station @ 78th St and Great Plains Blvd
PNR_1033_44.893534_-93.197948=Fort Snelling Park & Ride North Lot @ Minnehaha and Hwy 62
PNR_1038_44.9214_-93.409542=Hopkins Park & Ride @ 10201 Excelsior Blvd
PNR_1040_44.923476_-92.958652=Woodbury Lutheran Church Park & Ride

@ 7380 Afton Rd
PNR_1045_44.937465_-93.663966=Mound Park & Ride @ 5515 Shoreline Dr
PNR_1050_44.969358_-93.421104=Co Rd 73 Park & Ride @ 1100 Hopkins Crossroad
PNR_1052_44.97095_-93.37208=Louisiana Ave Transit Center @ 1300 Louisiana Ave S
PNR_1053_44.971861_-93.446193=Plymouth Rd Park & Ride @ I-394 and Plymouth Rd
PNR_1054_44.972712_-93.389853=General Mills Blvd Park & Ride @ 8675 Wayzata Blvd
PNR_1057_44.986997_-93.418453=Station 73 Park & Ride @ 10905 Hwy 55
PNR_1058_44.987087_-93.202608=Como and Eustis Park & Ride @ 1513 Eustis St
PNR_1060_44.999254_-93.352289=Hwy 100 and Duluth Park & Ride @ 2055 Lilac Drive N
PNR_1066_45.021062_-93.050819=Hwy 61 and Co Rd C Park & Ride @ 1125 Co Rd C
PNR_1069_45.028169_-93.023006=Maplewood Mall Park & Ride @ 1793 Beam Ave
PNR_1080_45.078521_-93.270112=Fridley Station @ 6050 Main St
PNR_1083_45.091432_-93.436994=Maple Grove Transit Station @ 12350 Main St N
PNR_1085_45.094941_-93.190302=Co Rd H Park & Ride @ 2146 Hwy Ave
PNR_1086_45.102121_-93.470238=Cross Winds Church Park & Ride @ 15051 Weaver Lake Rd
PNR_1087_45.126778_-93.337163=Hwy 610 and Noble Park & Ride @ 440195th Ave N
PNR_1088_45.12696_-93.264806=Northtown Transit Center @ 150 Northtown Dr NE
PNR_1089_45.129586_-93.426967=Zachary Ln Park & Ride @ 11332 96th Ave N
PNR_1090_45.132669_-93.475242=Parkway Station @ 9870 Maple Grove Pkwy
PNR_1091_45.142338_-93.285541=Foley Park & Ride @ 9425 Foley Blvd
PNR_1092_45.145447_-93.18386=95th Ave Park & Ride @ 3249 95th Ave NE
PNR_1095_45.167499_-93.134742=St Josephs Church Park & Ride @ 171 Elm St
PNR_1098_45.19127_-93.351504=Coon Rapids-Riverdale Station @ 3050 Northdale Blvd NW
PNR_1099_45.207781_-93.384663=Anoka Station @ 2718 4th Ave
PNR_1100_45.231961_-93.461709=Ramsey Station @ 7550 Sunwood Dr
PNR_1102_45.246424_-93.033084=Running Aces Park & Ride @ 15201 Zurich St NE
PNR_1104_45.282553_-93.542079=Elk River Station @ 17200 Twin Lakes Rd
PNR_1105_45.308884_-93.236797=East Bethel Theatre Park & Ride @ 18635 Ulysses St NE
PNR_1106_45.329772_-93.730458=Big Lake Station @ 19691 Co Rd 43
PNR_1107_45.392459_-93.87589=Becker Park & Ride @ Willow St and Hwy 10
PNR_1108_45.554149_-94.12487=East St Cloud Park & Ride @ 1919 Lincoln Ave SE"

VEHICLE_EGRESS_PARK_PNR "The specific park and ride lot respondents who used a vehicle as their egress mode, egressed from." Actual Value
VEHICLE_EGRESS_PARK_PNR_OTHER "The specific park and ride lot respondents who used a vehicle as their egress mode, egressed from. (Other)" Actual Value
VEHICLE_EGRESS_DROPOFF "The location where respondents who used a vehicle for their egress mode, parked or were picked up. (ADDRESS)" Actual Value
VEHICLE_EGRESS_DROPOFF_CITY "The location where respondents who used a vehicle for their egress mode, parked or were picked up. (CITY)" Actual Value
VEHICLE_EGRESS_DROPOFF_STATE "The location where respondents who used a vehicle for their egress mode, parked or were picked up. (STATE)" Actual Value
VEHICLE_EGRESS_DROPOFF_ZIP "The location where respondents who used a vehicle for their egress mode, parked or were picked up. (ZIP)" Actual Value
VEHICLE_EGRESS_DROPOFF_LAT "The location where respondents who used a vehicle for their egress mode, parked or were picked up. (LAT)" Actual Value
VEHICLE_EGRESS_DROPOFF_LON "The location where respondents who used a vehicle for their egress mode, parked or were picked up. (LON)" Actual Value
TIME_ON_CODE At what time did respondent board this bus/rail (Code) "A=Before 6 a.m.
B=6 - 7 a.m.
C=7 - 8 a.m.
D=8 - 9 a.m.
E=9 - 10 a.m.
F=10 - 11 a.m.
G=11 a.m. - 12 p.m.
H=12 - 1 p.m.
J=1 - 2 p.m.
K=2 - 3 p.m.
L=3 - 4 p.m.
M=4 - 5 p.m.
N=5 - 6 p.m.
O=6 - 7 p.m.
P=7 - 8 p.m.
Q=After 8 p.m."
TIME_ON At what time did respondent board this bus/rail Actual Value
TIME_PERIOD Time period respondent boarded this bus/rail Actual Value
TRIP_IN_OPPOSITE_DIR_CODE Did respondent took same trip in exact opposite direction (Code) "1=Yes
2=No"
TRIP_IN_OPPOSITE_DIR Did respondent took same trip in exact opposite direction Actual Value
OPP_DIR_TRIP_TIME_CODE Time when respondent took same trip in exact opposite direction "A=Before 6 a.m.
B=6 - 7 a.m.
C=7 - 8 a.m.
D=8 - 9 a.m.
E=9 - 10 a.m.
F=10 - 11 a.m.
G=11 a.m. - 12 p.m.

H=12 - 1 p.m.
J=1 - 2 p.m.
K=2 - 3 p.m.
L=3 - 4 p.m.
M=4 - 5 p.m.
N=5 - 6 p.m.
O=6 - 7 p.m.
P=7 - 8 p.m.
Q=After 8 p.m."
OPP_DIR_TRIP_TIME Period of Day the reverse trip was Administered Actual Value
PAYMENT_METHOD_CODE Payment method of trip (Code) "1=Cash
2=Go-To STORED VALUE
3=College Pass
4=Qualified Free Ride Pass (Service Connected Veteran)
5=U Pass
6=Student Pass
7=Day Pass
8=Weekly / Monthly Pass
9=Free Fare Zone
10=10 Ride
11=Metro Pass
12=Mobile Ticket
99=Other"
PAYMENT_METHOD Payment method of trip Actual Value
FARE_TYPE_CODE Fare type (Code) "1=Regular (age 13-64)
2=Limited Mobility Pass
3=Senior (Over 65)
4=Student /Youth (age 6-12)"
FARE_TYPE Fare type Actual Value
TRIP_PURPOSE_NO_OTHER_TRIP "A ""Yes"" response indicates the respondent will make no other trips before returning home" Actual Value
TRIP_PURPOSE_BUY_A_MEAL_/_BEVERAGE "A ""Yes"" response indicates the respondent will buy a meal or beverage before returning home" Actual Value
TRIP_PURPOSE_GO_TO_WORK "A ""Yes"" response indicates the respondent will go to work before returning home" Actual Value
TRIP_PURPOSE_VISIT_FRIEND/RELATIVE_OR_ATTEND_RELIGIOUS/SOC_EVENT "A ""Yes"" response indicates the respondent will visit a friend/relative or attend a religious/social event before returning home" Actual Value
TRIP_PURPOSE_GO_TO_SCHOOL "A ""Yes"" response indicates the respondent will go to school before returning home" Actual Value
TRIP_PURPOSE_GO_SHOPPING "A ""Yes"" response indicates the respondent will go shopping before returning home" Actual Value
TRIP_PURPOSE_OTHER_ERRANDS "A ""Yes"" response indicates the respondent will run other errands before returning home" Actual Value
TRIP_PURPOSE_OTHER "A ""Yes"" response indicates the respondent will have a trip with another unlisted purpose before returning home" Actual Value
VISITOR_CODE Whether respondent was a visitor (code) "1=Yes
2=No
9=Don't Know/Refuse"
VISITOR Whether respondent was a visitor Actual Value

COUNT_VH_HH_CODE Number of Vehicles in respondents household (Code) "0=None (0)
1=One (1)
2=Two (2)
3=Three (3)
4=Four (4)
5=Five (5)
6=Six (6)
7=Seven (7)
8=Eight (8)
9=Nine (9)
10P=Ten or more (10+)"
COUNT_VH_HH Number of Vehicles in respondents household Actual Value
CAN_USE_VEH_TRIP_CODE Whether respondent could have used a vehicle for their trip (Code) "1=Yes
2=No"
CAN_USE_VEH_TRIP Whether respondent could have used a vehicle for their trip Actual Value
COUNT_MEMBER_HH_CODE Number of household members in respondents house (Code) "1=One (1)
2=Two (2)
3=Three (3)
4=Four (4)
5=Five (5)
6=Six (6)
7=Seven (7)
8=Eight (8)
9=Nine (9)
10=Ten or more (10+)"
COUNT_MEMBER_HH Number of household members in respondents house Actual Value
COUNT_EMPLOYED_HH_CODE Number of employed household members in respondents house (Code) "1=One (1)
2=Two (2)
3=Three (3)
4=Four (4)
5=Five (5)
6=Six (6)
7=Seven (7)
8=Eight (8)
9=Nine (9)
10=Ten or more (10+)"
COUNT_EMPLOYED_HH Number of employed household members in respondents house Actual Value
STATUS_EMPLOYMENT_CODE Employment Status of respondent (Code) "1=Employed Full-time
2=Employed Part-time
3=Not currently employed - seeking work
4=Not currently employed - not seeking work
5=Retired
6=Stay at home parent or caregiver"

STATUS_EMPLOYMENT Employment Status of respondent Actual Value
STUDENT_STATUS_CODE Respondent student status (Code) "1=Not a student
2=Yes - Vocational / Technical / Trade school
3=Yes - College / University / Community College
4=Yes - K - 12th grade
9=Other"
STUDENT_STATUS Respondent student status Actual Value
FARE_SUBSIDY_CODE Fare subsidy (Code) "1=Yes (all of the cost)
2=Yes (some of the cost)
3=None of the cost"
FARE_SUBSIDY Fare subsidy Actual Value
HAS_DRIVE_LICENSE_CODE Whether respondent has drivers license (Code) "1=Yes
2=No"
HAS_DRIVE_LICENSE Whether respondent has drivers license Actual Value
AGE_CODE Age of respondent (Code) "AGU12=Under 12
AG13-15=13-15
AG16-17=16-17
AG18-24=18-24
AG25-34=25-34
AG35-44=35-44
AG45-54=45-54
AG55-64=55-64
AG65-74=65-74
AG75-84=75-84
AGO85=85 and Over"
AGE Age of respondent Actual Value
AMERICAN_INDIAN_ALASKAN_NATIVE Whether respondent indicated they were American Indian or Alaskan Native Actual Value
ASIAN Whether respondent indicated they were Asian Actual Value
BLACK_AFRICAN_AMERICAN Whether respondent indicated they were Black or African American Actual Value
HISPANIC_LATINO Whether respondent indicated they were Hispanic or Latino Actual Value
NATIVE_HAWAIIAN_PACIFIC_ISLANDER Whether respondent indicated they were Native Hawaiian or Pacific Islander Actual Value
WHITE Whether respondent indicated they were White Actual Value
RACE_ETHNICITY_OTHER Whether respondent indicated they were another race or ethnicity Actual Value
INCOME_CODE Total annual household income (Code) "1=Less than $15,000
2=$15,000 - $24,999
3=$25,000 - $34,999
4=$35,000 - $59,999
5=$60,000 - $99,999
6=$100,000 - $149,999
7=$150,000 - $199,999
8=$200,000 or more
9=Not Provided"
INCOME Total annual household income Actual Value
HOME_LANG_OTHER_CODE Does respondent speak a language other than English spoken in home (Code) "1=Yes

2=No"
HOME_LANG_OTHER Does respondent speak a language other than English spoken in home Actual Value
HOME_OTHER_LANG_CODE Language respondent speaks at home other than English (Code) "1 Acholi
3 Afrikaans
5 Akan
7 Albanian, Tosk
8 Alem?►n Coloniero
11 Amharic
12 Angolar
13 Arabic, Standard
15 Aramaic
17 Armenian
19 Armenian, Western
23 Avestan
24 Ayiwo
33 Belarusan
35 Belize Creole
37 Bengali
45 Bosnian
51 Bulgarian
53 Calabrese
62 Chinese
63 Chinese, Mandarin
75 Croatian
76 Czech
80 Danish
82 Dari
84 Dutch
86 Early Contemporary Swedish
102 Farsi, Eastern
108 Finnish, Tornedalen
111 French
112 Frisian, Northern
119 Galician
120 Galindian, Eastern
121 Ganda
127 Genovese
129 German
138 Guaran?►
140 Haitian Creole French
144 Hebrew
146 Hindi
148 Hungarian
151 Indo-Portuguese
152 Indonesian
154 Irish
156 Italian
157 Italo-Celtic
159 Japanese

161 Jewish Malayalam
166 Judeo-Arabic
174 Judeo-Malayalam
187 Kannada, Ancient
200 Khmer
207 Komi-Zyrian
208 Korean
217 Lao
220 Latin
232 Lithuanian
237 Louisiana Creole French
241 Ludian
253 Mapudungun
255 Marsian
267 Middle English
268 Middle Frisian
271 Middle Swedish, Newer
279 Mongolian, Halh
288 Navajo
297 Norwegian
298 Norwegian, Nynorsk
308 Old English
321 Old Persian
325 Old Spanish
326 Old Swedish, Newer
327 Oromo, West Central
340 Pashto, Central
351 Pidgin, Nigerian
354 Pitjantjatjara
356 Polish
358 Portuguese
360 Potawatomi
368 Punjabi
378 Romanian
384 Russenorsk
385 Russian
386 Rusyn
387 Saami, Inari
388 Saami, Kildin
408 Sea Island Creole English
410 Serbian
419 Sinhala
421 Slovak
425 Spanish
431 Swabian
432 Swedish
434 Tahitian
441 Telugu
443 Thai
446 Tongan
448 Turkish

450 Twents
452 Ukrainian
456 Urdu
465 Vietnamese
487 Zulu
488 Hawaiian
489 Filipino
490 AMERICAN SIGN LANGUAGE (ASL)
491 Cantonese
492 Chuukese
494 Irish Gaelic
496 Malay
497 Marshallese
498 Micronesian
499 Palauan
501 Samoan
502 Swahili
503 TAGALOG
-oth- Other"
HOME_OTHER_LANG Language respondent speaks at home other than English Actual Value
HOME_OTHER_LANG_OTHER Language respondent speaks at home other than English (Other) Actual Value
ENGLISH_ABILITY_CODE How well did respondent speaks English (Code) "A1=Very well
A2=Well
A3=Not at all
A4=Less than well"
ENGLISH_ABILITY How well did respondent speaks English Actual Value
DISABILITY_CODE Whether respondent is disabled (Code) "1=Yes
2=No
9=Don't Know/Refuse"
DISABILITY Whether respondent is disabled Actual Value
GREEN_LINE_INFO_CODE How did respondent usually make this trip prior to the Green Line opening? (Code) "1=Use different bus / rail routes
2=Walk / Bike
3=Drove / Picked-up /Dropped off / Carpooled
4=Did not make this trip, moved to this area/neighborhood within the last two years
5=Did not make this trip, didn't come from this origin or go to this destination two years ago
9=Not Provided"
GREEN_LINE_INFO How did respondent usually make this trip prior to the Green Line opening? Actual Value
GREEN_INFO2_CODE If respondent was surveyed on the Green Line they were asked if the Green Line impacted their decision to make this trip (Code) "1=Yes
2=No"
GREEN_INFO2 If respondent was surveyed on the Green Line they were asked if the Green Line impacted their decision to make this trip Actual Value
GENDER_CODE Gender of respondent (Code) "1=Male
2=Female"

GENDER Gender of respondent Actual Value
H_TAZ Home Traffic Analysis Zone Actual Value
O_TAZ Origin Traffic Analysis Zone Actual Value
D_TAZ Destination Traffic Analysis Zone Actual Value
B_TAZ Boarding Traffic Analysis Zone Actual Value
A_TAZ Alighting Traffic Analysis Zone Actual Value
WGHT_NAME "Unique expansion identifier for record, indicating Route_Direction_TimePeriod_BoardingSegment_AlightingSegment" Actual Value
UNLINKED_WGHT_FCTR Weight factor given to each record meant to represent number of boardings per day Actual Value
TOTAL_TRANSFERS Total number of previous and next transfers Actual Value
LINKED_MULTIPLIER Factor used to convert the unlinked trip factor to the linked trip factor Actual Value (1/(1 + number of transfers within the system))
LINKED_WGHT_FCTR Adjusted unlinked weight factor meant to represent the number of trips per day instead of number of boardings per day Actual Value
ROUTE Route Surveyed without Direction Actual Value
ROUTE_PROVIDER Agency that provides the route surveyed Actual Value
ROUTE_TYPE Type of route that was surveyed Actual Value
TOTAL_TRANSFERS_WITHIN_SYSTEM Total number of previous and next transfers excluding transfer routes outside of the system Actual Value
Manual_Adjustment Type of manual adjustment applied "PNR = excluded from PNR calculations
Student = excluded from Student calculations"
PNR_Lot_Used PNR lot used at either end of trip (origin or destination) Same as VEHICLE_ACCESS_PARK_PNR
PNR_Lot_Used-adj Changes PNR lot name to NonPNR for manually adjusted records labeled PNR "Same as VEHICLE_ACCESS_PARK_PNR, except for manually adjusted PNR records"
Unlinked_Factor_-_Auto_Occ "If respondent indicated they were either dropped off or picked up at a PNR lot, this divides the unlinked weight factor by an average auto occupancy of 2.5" Actual Value
WGHT_NAME_PNR Appends _PNR and _NonPNR as appropriate to the weight name Actual Value
PNR_Factor PNR factor as calculated on the PNR Lots tab Actual Value
Exp_PNR Expanded PNR value (PNR Factor multipled by UNLINKED_WGHT_FCTR) Actual Value
Final_AE_Factor "Final Access/Egress factor, incorporating either the PNR factor as calculated on the PNR Lots tab or the Non-PNR factor as calculated on the Factor Calcs tab" Actual Value
Unlinked_Weight-AE Weight factor given to each record meant to represent number of boardings per day (PNR) Actual Value
Linked_Weight-AE Adjusted unlinked weight factor meant to represent the number of trips per day instead of number of boardings per day (PNR) Actual Value
Payment_Type_ "Indicates whether respondent used C pass, U Pass, HS pass, or a non-student payment type" Actual Value
Route Light rail line or bus route used by respondent Actual Value
Boarding "Boarding station if light rail, route if bus " Actual Value
Boarding_Student Appends payment type to boarding station or route Actual Value

WGHT_NAME_Student Appends payment type to WGHT_NAME Actual Value
c_pass_factor C Pass factor as calculated on Fare Type tab Actual Value
upass_factor U Pass factor as calculated on Fare Type tab Actual Value
HS_Pass_factor HS Pass factor as calculated on Fare Type tab Actual Value
Exp_Student Expanded student value (UNLINKED_WGHT_FCTR multiplied by the approriate student pass factor) Actual Value

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Section 7: Metadata Reference

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