

# 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 origins/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

2=No"

VEHICLE\_EGRESS\_PARK\_YN\_PNR "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" Actual Value

VEHICLE\_EGRESS\_PARK\_PNR\_CODE "The specific park and ride lot  
respondents who used a vehicle as their egress mode, egressed from. (Code)"  
"9999=Other

PNR\_1000\_44.68865\_-93.216054=Lakeville Cedar Park & Ride @ 18040 Cedar  
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\_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 Belarusian

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 ( $1/(1 + \text{number of transfers within the system})$ )  
 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 multiplied 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 appropriate student pass factor) Actual Value

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