

		BASELINE - NO PROJECT CASE						PROPOSED PROJECT CASE						BUILD Minus BASE					
		NO BUILD						BUILD											
		2017 Dollars (Undiscounted)		Discounted 7%		Discounted 3%		2017 Dollars (Undiscounted)		Discounted 7%		Discounted 3%		2017 Dollars		Discounted 7%		Discounted 3%	
Project Year	Calendar Year	Capital Costs (\$2017)	O&M Costs (\$2017)	Capital Costs	O&M Costs	Capital Costs	O&M Costs	Capital Costs (\$2017)	O&M Costs (\$2017)	Capital Costs	O&M Costs	Capital Costs	O&M Costs	Capital Costs (\$2017)	O&M Costs (\$2017)	Capital Costs	O&M Costs	Capital Costs	O&M Costs
0	2017		116,067	\$ -	\$ 116,067	\$ -	\$ 116,067		116,067	\$ -	\$ 116,067	\$ -	\$ 116,067	0	0	\$ -	\$ -	\$ -	\$ -
1	2018		116,067	\$ -	\$ 108,474	\$ -	\$ 112,686		116,067	\$ -	\$ 108,474	\$ -	\$ 112,686	0	0	\$ -	\$ -	\$ -	\$ -
2	2019		206,472	\$ -	\$ 180,341	\$ -	\$ 194,620		206,472	\$ -	\$ 180,341	\$ -	\$ 194,620	0	0	\$ -	\$ -	\$ -	\$ -
3	2020		0	\$ -	\$ -	\$ -	\$ -	6,207,000	0	\$ 5,066,761	\$ -	\$ 5,680,284	\$ -	6,207,000	0	\$ 5,066,761	\$ -	\$ 5,680,284	\$ -
4	2021		0	\$ -	\$ -	\$ -	\$ -	9,000,000	0	\$ 6,866,057	\$ -	\$ 7,996,383	\$ -	9,000,000	0	\$ 6,866,057	\$ -	\$ 7,996,383	\$ -
5	2022			\$ -	\$ -	\$ -	\$ -	5,000,000	0	\$ 3,564,931	\$ -	\$ 4,313,044	\$ -	5,000,000	0	\$ 3,564,931	\$ -	\$ 4,313,044	\$ -
6	2023		46,427	\$ -	\$ 30,936	\$ -	\$ 38,882		0	\$ -	\$ -	\$ -	\$ -	0	-46,427	\$ -	\$ (30,936)	\$ -	\$ (38,882)
7	2024		69,640	\$ -	\$ 43,368	\$ -	\$ 56,624		0	\$ -	\$ -	\$ -	\$ -	0	-69,640	\$ -	\$ (43,368)	\$ -	\$ (56,624)
8	2025		92,853	\$ -	\$ 54,042	\$ -	\$ 73,299		0	\$ -	\$ -	\$ -	\$ -	0	-92,853	\$ -	\$ (54,042)	\$ -	\$ (73,299)
9	2026		116,067	\$ -	\$ 63,133	\$ -	\$ 88,956		15,581	\$ -	\$ 8,475	\$ -	\$ 11,942	0	-100,486	\$ -	\$ (54,658)	\$ -	\$ (77,014)
10	2027		235,968	\$ -	\$ 119,954	\$ -	\$ 175,582		31,162	\$ -	\$ 15,841	\$ -	\$ 23,187	0	-204,806	\$ -	\$ (104,113)	\$ -	\$ (152,395)
11	2028		0	\$ -	\$ -	\$ -	\$ -		46,743	\$ -	\$ 22,207	\$ -	\$ 33,768	0	46,743	\$ -	\$ 22,207	\$ -	\$ 33,768
12	2029		0	\$ -	\$ -	\$ -	\$ -		89,091	\$ -	\$ 39,557	\$ -	\$ 62,487	0	89,091	\$ -	\$ 39,557	\$ -	\$ 62,487
13	2030		23,213	\$ -	\$ 9,633	\$ -	\$ 15,807		0	\$ -	\$ -	\$ -	\$ -	0	-23,213	\$ -	\$ (9,633)	\$ -	\$ (15,807)
14	2031		46,427	\$ -	\$ 18,005	\$ -	\$ 30,694		0	\$ -	\$ -	\$ -	\$ -	0	-46,427	\$ -	\$ (18,005)	\$ -	\$ (30,694)
15	2032		69,640	\$ -	\$ 25,241	\$ -	\$ 44,699		15,581	\$ -	\$ 5,647	\$ -	\$ 10,001	0	-54,059	\$ -	\$ (19,593)	\$ -	\$ (34,698)
16	2033		92,853	\$ -	\$ 31,453	\$ -	\$ 57,863		31,162	\$ -	\$ 10,556	\$ -	\$ 19,419	0	-61,691	\$ -	\$ (20,897)	\$ -	\$ (38,444)
17	2034		116,067	\$ -	\$ 36,744	\$ -	\$ 70,222		46,743	\$ -	\$ 14,798	\$ -	\$ 28,280	0	-69,324	\$ -	\$ (21,946)	\$ -	\$ (41,942)
18	2035		265,464	\$ -	\$ 78,541	\$ -	\$ 155,932		62,324	\$ -	\$ 18,439	\$ -	\$ 36,609	0	-203,140	\$ -	\$ (60,102)	\$ -	\$ (119,323)
19	2036		0	\$ -	\$ -	\$ -	\$ -		77,905	\$ -	\$ 21,541	\$ -	\$ 44,428	0	77,905	\$ -	\$ 21,541	\$ -	\$ 44,428
20	2037		0	\$ -	\$ -	\$ -	\$ -		108,889	\$ -	\$ 28,139	\$ -	\$ 60,289	0	108,889	\$ -	\$ 28,139	\$ -	\$ 60,289
21	2038		23,213	\$ -	\$ 5,606	\$ -	\$ 12,478		0	\$ -	\$ -	\$ -	\$ -	0	-23,213	\$ -	\$ (5,606)	\$ -	\$ (12,478)
22	2039		46,427	\$ -	\$ 10,479	\$ -	\$ 24,230		0	\$ -	\$ -	\$ -	\$ -	0	-46,427	\$ -	\$ (10,479)	\$ -	\$ (24,230)
23	2040		69,640	\$ -	\$ 14,690	\$ -	\$ 35,286		15,581	\$ -	\$ 3,287	\$ -	\$ 7,895	0	-54,059	\$ -	\$ (11,404)	\$ -	\$ (27,391)
24	2041		92,853	\$ -	\$ 18,306	\$ -	\$ 45,678		31,162	\$ -	\$ 6,143	\$ -	\$ 15,330	0	-61,691	\$ -	\$ (12,162)	\$ -	\$ (30,348)
Total		\$ -	\$ 1,845,358	\$ -	\$ 965,011	\$ -	\$ 1,349,605	\$ 20,207,000	\$ 1,010,530	\$ 15,497,749	\$ 599,513	\$ 17,989,712	\$ 777,008	\$ 20,207,000	\$ (834,828)	\$ 15,497,749	\$ (365,499)	\$ 17,989,712	\$ (572,597)

Project Characteristics

First Year of Operation	2022
% Compound Annual Growth Rate in Overall Traffic	0.20%
Beginning Year of Land Use Change	2026
% of Annual Incremental Phasing in of Densified Development	4.00%

Right Sizing Transportation Investments: A Guidebook Chapter 4.3: Development Sensitive Safety Analysis

The methodology presented in this workbook is an implementation resource and tutorial on a method for developing and evaluating scenarios to "right-size" transportation corridors and sub-networks where changing land use and development patterns may warrant changes in infrastructure, speed, safety and other standards.

The workbook is intended to accompany the step by step procedure described in **Chapter 4.3** of *Right Sizing Transportation Investments: A Guidebook*. The embedded example and sample data in this workbook are derived from the 300 West Corridor in Salt Lake City, Utah and corresponds with the example given in **Chapter 4.3** of the guidebook as a case tutorial.

Note that the Fixed Factors Tab is reflective of USDOT approved values when the original research was undertaken in summer 2018, and will need to be updated for any grant applications other BCA studies as USDOT updates values over time.

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IF(A10<'Project Characteristics'!C\$5,0,(A11-'Project Chara

acteristics'!\$C\$5)*'Project Characteristics'!\$C\$6)

Factors involved in VMT and VHT changes associated with Complete Street

1. Assume base existing traffic does not change. Assume some share of growth would occur even without t
2. Assume all future traffic is associated with new development that occurs along the corridor. Estimate gro
3. Assume the complete street will attract redevelopment that would have occurred elsewhere. Probably n
but certainly in more suburban locations probably within 10-miles of the site where average trip lengths a

Development Scenario Assumptions			
Both	No Build	Build	Project Area Characteristics
2.4			Corridor Length, Miles
20016			Base AADT on the corridor, both build and NB
200			Total acres directly adjacent to changing area
	30%	50%	Percent of Acres where Land Use is Expected To I
	60	100	Acres likely to intensify
	140	100	Acres likely to stay the same by end of analysis (2
	0.2	0.2	Existing Floor Area Ratio (to avoid double countir new)
	0.2	0.44	Additional floor area ratio (FAR) of new developm above today's base (calculations based on this inc
	0.4	0.64	End-state FAR for new projects (note: acres that c at .15 FAR)
	522,720	1,916,640	Likely incremental SF of new development. Note would affect all 60 acres of NB redevelopment
Nature of New Development (occurring due to increased density)			
	Residential	Commercial	Share of new SF that would be residential /
	80%	20%	
Both	No Build	Build	Project Area Characteristics
	418,176	1,533,312	Incremental Residential SF
	104,544	383,328	Incremental Commercial SF
	597	2190	Incremental Residential Dwelling Units (assume 7
	299	1095	Incremental Jobs (assume 350 SF / Job)

Measures of New Activity Concentrated in Study Area Due to Land Use Ch			
	DUs	Jobs	
	1,593	797	Increase over No-Build
	7	8	Person-trips per day per unit (jobs tend to be reattract more trips per job than other jobs) Likely Model

Convert person trips to vehicle trips, for both this location and as if it been scattered across su
(i.e., in No-Build, this development would have been built somewhere else, so account for VMT

Household Based Trips	Non Household Based Trips	Overall Increases in Trips Based in t
11,151	6,372	Increased person-trips over base-year (Note: Trip
	17,524	Total person-trips above no-build (DU+Job based

Existing Locations	New Location	Differences in Traffic Characte
90%	80%	Pct of trips by car, had development occurred at :
15,800	14,000	Person-trips by car, if suburban vs if Proposed Ne
1.68	1.68	Auto occupancy factor, both locations (Federal g
9400	8300	Vehicle trips
7.5	5.0	Average trip length at each location (Taken from
3%	3%	Freight Trucks (Percentage)
12%	12%	Delivery Trucks on corridor

VHT and Delay Key Values and Assumptions

*For VHT there are offsetting factors. NB in suburbs has considerably more VMT due
But also suburban VMT is subjected to higher congestion levels. However for Build,*

On-Corridor Trips		Displaced Trips
Project Area No-Build mph	Project Area Build mph	Default (Sprawl Location) - No Build mph
43	35	45
37	34	40
0.6	0.65	0.6
25.8	22.75	27
22.2	22.1	24
65%	55%	75%
10%	10%	10%

On-Corridor Trips	Displaced Trips
-------------------	-----------------

Project Area No-Build	Project Area Build	Default (Sprawl Location) - No Build
N/A	95%	
2.4	2.4	7.5
20,016	19,202	9,400
17,014	16,200	7,990
600	600	280
2,402	2,402	1,130

9400	8300	Base 17k + additional incremental trips of suburb
0.03	0.03	Pct freight trucks (UDOT count)
0.12	0.12	Pct delivery trucks
9,400	8,300	Total Vehicle Trips
7,990	7,050	Cars
280	250	Freight Trucks
1,130	1,000	Delivery

VMT Summary, Horizon Year

On-Corridor Trips		Displaced Trips
300 W NB	300 W Build	Suburban NB
48,000	46,100	70,500
40,800	38,900	59,900
1,400	1,400	2,100
5,800	5,800	8,500

VHT Summary, Horizon Year

On-Corridor Trips		Displaced Trips
300 W NB	300 W Build	Suburban NB
25.8	22.8	27.0

22.2	22.1	24.0
1,860	2,030	2,610
1,580	1,710	2,220
60	60	90
260	260	350

Implied Speed (VMT / VHT)

On-Corridor Trips		Displaced Trips
300 W NB	300 W Build	Suburban NB
25.8	22.7	27.0
25.8	22.7	27.0
23.3	23.3	23.3
22.3	22.3	24.3
NB VMT	NB VHT	NB Spd
118,500	4,470	26.5
100,700	3,800	26.5
3,500	150	23.3
14,300	610	23.4
-		
Trip Length		7.5
		19.2

he project.
 with that is a function of the project.
 ot at the fringe,
 re longer, and where mode split is more auto-based

Legend:

- Peach = Non-formula input va
- Green = Non-formula inputs, t
- Yellow = Key final values

Densify
(057)
ing when replacing old with
ment within the study area, (crement)
don't change will remain
: Higher FAR of build
non-res respectively
00 SF / DU)

Information from Developer or City/County Government Regarding difference in build-level within the urbanizing area under build vs. no-build scenarios.

SF per res unit	700
SF per job	350

range
oil and food, which have Source: Travel Demand

Spreadsheet Method		SLC Market Study	
DUs	Jobs	DUs	Jobs
1593	797	1600	800

Suburban locations
effects of "somewhere else")

the Study Area That Would Have Been Based Elsewhere in No-Build (trips in corridor, but would have been in suburban location otherwise)

Comparison

Characteristics Between New Location and Default/Base-Case Location (suburban location, vs pct by car at Proposed New Location)
Default Location
(Guidance)
(Travel Demand model)

to longer trip lengths. That would create slightly more congestion and delay.
the corridor itself will be probably 10 mph slower speed limit, so need to account for that.

Trip Characteristics Between Densified/Urban Area and Default Area			
Project Area Build mph	Spd Dif, OC	Spd Dif, DT	Trip Characteristic
35	8.0	10.0	Starting 85th% speed cruise speed : General Traffic
34	3.0	6.0	Starting 85th% speed cruise speed : Trucks & Delivery
0.65	-0.05	-0.05	Reduction factor to account for signals, congestion, etc)
22.75	3.1	4.3	General Traffic average speed, with stop lights & congestion
22.1	0.1	1.9	Truck average speed, with stop lights & congestion
55%	0.1	0.2	Pct Congested, peak
10%	0.0	0.0	Pct Congested, off-peak

Vehicle Trip Summary, Horizon Year

Project Area Build	Trip Characteristics Summary
	Pct of trips by car, had development occurred at suburban location, vs pct by car at 300 West Com Street (assume 5% converts to walking, biking, transit)
5	Average trip length at each location (Taken from WFRC model). Used for VMT below. For on-corridor count on-corridor part of trip. Off corridor count entire trip, since the differential is relevant.
8,300	Number of vehicle trips
7,050	Number of car trips
250	Number of Freight Trips
1,000	Number of Delivery Trips

an vs complete street scenarios

Legend:

Peach = Non-formula input values & assumptions

Green = Non-formula inputs, transferred to this location for convenience

Yellow = Key final values

300 W Build			Pk	Ok
41,500	Total Daily VMT	Commute	15%	15%
35,300	Cars	Other	10%	60%
1,300	Freight	Trucks	20%	80%
5,000	Delivery			

Note above: Peak commute + other non commute
Off-peak commute + non-commute = 75%, together

300 W Build

22.8 General Traffic average speed, with stop lights & congestion

22.1 Pct Congested, peak		NB hours	Bld Hours	
1,820	Total Daily VHT	4,470	3,850	(620)
1,550	VHT Cars	3,800	3,260	(540)
60	Freight	150	120	(30)
230	Delivery	610	490	(120)

300 W Build

22.8 Total Daily VHT

22.8 VHT Cars

21.7 Freight

21.7 Delivery

Bld VMT	Bld VHT	
87,600	3,850.00	22.75324675
74,200	3,260.00	22.7607362
2,700	120.00	22.5
10,800	490.00	22.04081633

5

Min/Trip 13.6 Min/Trip

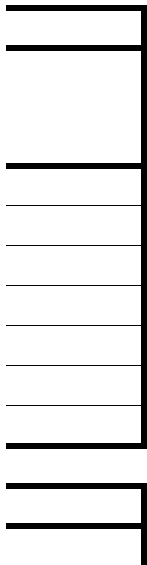
values & assumptions
transferred to this location for convenience

Note: In June 2019, SLC commissioned a market study to

		No Build	Build
Start	End	Res Units	Res Units
2026	2035	400	1,200
2036	2045	300	700
2046	2055	300	700
	Total	1,000	2,600

Note: Spreadsheet was calibrated to match what the market study concluded

ative Characteristics of trips in the new area versus the pre-existing



Note about speed. Maximum speed should be reduced from 40-50 mph on average to

However there are signals, so the actual average speed differential should be more like
Another factor is if SLC is able to remove left turn arrows from some signals using Alt. It
make average speed a bit faster at peaks (near those intersections), despite the slower

"Educated guess" across entire corridor is that the Build will end up being about 10-15
but only about 5 mph slower in actual traverse speed due to signals and reduced conge

Complete

For, only

Click plus on left side to unhide VMT / VHT Calcs. Note. Hidden tables are duplicated in

Annual Values		Effective Days/yr		312	
Modes/Purposes		Background			
		Vehicle Trips (Peak)	Vehicle Trips (Off-Pk)	Vehicle Hours (Peak)	Vehicle Hours (Off-Pk)
Base Case	Passenger Car - Commuting	800,000	800,000	70,000	70,000
	Passenger Car - Other	530,000	3,180,000	50,000	300,000
	Transit Bus - Commuting	-	-	-	-
	Transit Bus - Other	-	-	-	-
	Freight Truck	37,000	150,000	4,000	15,000
	Delivery Truck	150,000	600,000	16,000	65,000
	ALL MODES/PURPOSES	1,517,000	4,730,000	140,000	450,000

ience

Build Case	Passenger Car - Commuting	760,000	760,000	80,000	80,000
	Passenger Car - Other	510,000	3,030,000	50,000	320,000
	Transit Bus - Commuting	-	-	-	-
	Transit Bus - Other	-	-	-	-
	Freight Truck	37,000	150,000	4,000	15,000
	Delivery Truck	150,000	600,000	16,000	87,000
	ALL MODES/PURPOSES	1,457,000	4,540,000	150,000	502,000

e = 25%

ner accounting for 100% of daily trips

Daily Values

Daily Values		Background	

		Vehicle Trips (Peak)	Vehicle Trips (Off-Pk)	Vehicle Hours (Peak)	Vehicle Hours (Off-Pk)
Modes/Purposes					
Base Case	Passenger Car - Commuting	2,552	2,552	237	237
	Passenger Car - Other	1,701	10,208	158	948
	Transit Bus - Commuting				
	Transit Bus - Other				
	Freight Truck	120	480	12	48
	Delivery Truck	480	1,922	52	208
	ALL MODES/PURPOSES	4,854	15,162	459	1,441

Build Case	Passenger Car - Commuting	2,430	2,430	257	257
	Passenger Car - Other	1,620	9,720	171	1,026
	Transit Bus - Commuting				
	Transit Bus - Other				
	Freight Truck	120	480	12	48
	Delivery Truck	480	1,922	52	280
	ALL MODES/PURPOSES	4,650	14,552	492	1,611

Build v base	Passenger Car - Commuting	0.95	0.95	1.08	1.08
	Passenger Car - Other	0.95	0.95	1.08	1.08
	Transit Bus - Commuting				
	Transit Bus - Other				
	Freight Truck	1.00	1.00	1.00	1.00
	Delivery Truck	1.00	1.00	1.00	1.35
	ALL MODES/PURPOSES				

Summary for Word Doc table 5

	On-Corridor Background		Displaced Trips	
	NB	Build	NB	Build
Vehicle Trips	20,000	19,200	9,400	9,600
Car Trips	17,000	16,200	8,000	8,300
Freight Trips	600	600	280	250
Delivery Trips	2,400	2,400	1,130	1,000

Summary for Word Doc table 8

	On-Corridor Background		Displaced Trips	
	NB	Build	NB	Build
Car Spd	25.8	22.8	27.0	22.8
Truck Spd	22.2	22.1	24.0	22.1
Daily VHT	1,900	19,200	9,400	9,600
VHT Cars	1,600	1,700	2,200	1,600
VHT Freight	60	60	90	60

Word Table 10a

		Daily	Background only		
		Vehicle Trips (Peak)	Vehicle Trips (Off-Pk)	Vehicle Hours (Peak)	Vehicle Hours (Off-Pk)
Base Case	Passenger Car - Commuting	2,552	2,552	237	237
	Passenger Car - Other	1,701	10,208	158	948
	Freight Truck	120	480	12	48
	Delivery Truck	480	1,922	52	208
	ALL MODES/PURPOSES	4,854	15,162	459	1,441
Build	Passenger Car - Commuting	2,430	2,430	257	257
	Passenger Car - Other	1,620	9,720	171	1,026
	Freight Truck	120	480	12	48
	Delivery Truck	480	1,922	52	280
	ALL MODES/PURPOSES	4,650	14,552	492	1,611

Word Table 10b

		Annual	Background only		
		Vehicle Trips (Peak)	Vehicle Trips (Off-Pk)	Vehicle Hours (Peak)	Vehicle Hours (Off-Pk)
Base Case	Passenger Car - Commuting	800,000	800,000	70,000	70,000
	Passenger Car - Other	530,000	3,180,000	50,000	300,000
	Freight Truck	37,000	150,000	4,000	15,000
	Delivery Truck	150,000	600,000	16,000	65,000
	ALL MODES/PURPOSES	1,517,000	4,730,000	140,000	450,000
Build	Passenger Car - Commuting	760,000	760,000	80,000	80,000
	Passenger Car - Other	510,000	3,030,000	50,000	320,000
	Freight Truck	37,000	150,000	4,000	15,000
	Delivery Truck	150,000	600,000	16,000	87,000
	ALL MODES/PURPOSES	1,457,000	4,540,000	150,000	502,000

SF/job

hat concluded the following:

Incr.	No Build	Build	Incr.	No Build	Build	Incr.
Res Units	Com SF	Com SF	Com SF	Jobs	Jobs	Jobs
800	75,000	200,000	125,000	210	570	360
400	75,000	150,000	75,000	210	430	220
400	75,000	150,000	75,000	210	430	220
1,600	225,000	500,000	275,000	630	1,430	800

g (or base-case/no-build) area.

30-35. That is 10-15 mph slower.

: 6-8 mph slower.

ntersections, that will
speed limit.

mph slower in max speed,
estion in build.

n Summary Inputs tab

Annual Traffic			
Vehicle Miles (Peak)	Vehicle Miles (Off-Pk)	% VMT Congested (Peak)	% VMT Congested (O.Pk)
1,910,000	1,910,000	0.75	0.1
1,270,000	7,640,000	0.75	0.1
-	-		
-	-		
87,000	349,000	0.75	0.1
362,000	1,448,000	0.75	0.1
3,629,000	11,347,000		

1,820,000	1,820,000	0.55	0.1
1,210,000	7,280,000	0.55	0.1
-	-		
-	-		
87,000	349,000	0.55	0.1
362,000	1,448,000	0.55	0.1
3,479,000	10,897,000		

Annual Traffic

Expand hidden if nec

Annual Values

Modes/Purposes	
Base Case	Passenger Car - Commu
	Passenger Car - Other
	Transit Bus - Commuting
	Transit Bus - Other
	Freight Truck
	Delivery Truck
	ALL MODES/PURPOSES

Build Case	Passenger Car - Commu
	Passenger Car - Other
	Transit Bus - Commuting
	Transit Bus - Other
	Freight Truck
	Delivery Truck
	ALL MODES/PURPOSES

Daily Values

Daily Values

Vehicle Miles (Peak)	Vehicle Miles (Off-Pk)	% VMT Congested (Peak)	% VMT Congested (O.Pk)
6,120	6,120	0.75	0.1
4,080	24,480	0.75	0.1
280	1,120	0.75	0.1
1,160	4,640	0.75	0.1
11,640	36,360		

5,835.00	5,835	0.55	0.1
3,890	23,340	0.55	0.1
280	1,120	0.55	0.1
1,160	4,640	0.55	0.1
11,165	34,935		

0.95	0.95	0.73	1.00
0.95	0.95	0.73	1.00
1.00	1.00	0.73	1.00
1.00	1.00	0.73	1.00

Modes/Purposes	
Base Case	Passenger Car - Commu
	Passenger Car - Other
	Transit Bus - Commuting
	Transit Bus - Other
	Freight Truck
	Delivery Truck
ALL MODES/PURPOSES	

Build Case	Passenger Car - Commu
	Passenger Car - Other
	Transit Bus - Commuting
	Transit Bus - Other
	Freight Truck
	Delivery Truck
ALL MODES/PURPOSES	

Build Case	Passenger Car - Commu
	Passenger Car - Other
	Transit Bus - Commuting
	Transit Bus - Other
	Freight Truck
	Delivery Truck
ALL MODES/PURPOSES	

Summary for Word Doc table 6

	On-Corridor Background		Displaced Trips	
	NB	Build	NB	Build
Car VMT	40,800	38,900	59,900	35,300
Freight VMT	1,400	1,400	2,100	1,300
Delivery VMT	5,800	1,400	8,500	1,300
Total VMT	48,000	41,700	70,500	37,900

Word Table 11a

Vehicle Miles (Peak)	Vehicle Miles (Off-Pk)	% VMT Congested (Peak)	% VMT Congested (O.Pk)
6,120	6,120	0.75	0.10
4,080	24,480	0.75	0.10
280	1,120	0.75	0.10
1,160	4,640	0.75	0.10
11,640	36,360	-	-
5,835	5,835	0.55	0.10
3,890	23,340	0.55	0.10
280	1,120	0.55	0.10
1,160	4,640	0.55	0.10
11,165	34,935	-	-

Base Case	Passenger Car - Commu
	Passenger Car - Other
	Freight Truck
	Delivery Truck
	ALL MODES/PURPOSES

Build	Passenger Car - Commu
	Passenger Car - Other
	Freight Truck
	Delivery Truck
	ALL MODES/PURPOSES

Word Table 11b

Vehicle Miles (Peak)	Vehicle Miles (Off-Pk)	% VMT Congested (Peak)	% VMT Congested (O.Pk)
1,910,000	1,910,000	0.75	0.10
1,270,000	7,640,000	0.75	0.10
87,000	349,000	0.75	0.10
362,000	1,448,000	0.75	0.10
3,629,000	11,347,000	-	-
1,820,000	1,820,000	0.55	0.10
1,210,000	7,280,000	0.55	0.10
87,000	349,000	0.55	0.10
362,000	1,448,000	0.55	0.10
3,479,000	10,897,000	-	-

Base Case	Passenger Car - Commu
	Passenger Car - Other
	Freight Truck
	Delivery Truck
	ALL MODES/PURPOSES

Build	Passenger Car - Commu
	Passenger Car - Other
	Freight Truck
	Delivery Truck
	ALL MODES/PURPOSES

130000 \$/res unit
150 \$/SF com

1000000 Noramlize t

Estimate the value of new construction

Assume a residential unit is valued at \$120,000, and that commercial SF can be built for \$150,

		No Build	Build	Incr.	No Build	Build
Start	End	Val Units	Val Units	Val Units	Val SF	Val SF
2026	2035	52	156	104	11	30
2036	2045	39	91	52	11	23
2046	2055	39	91	52	11	23
	Total	130	338	208	34	75

Trips Attracted to More Efficient Location

Vehicle Trips (Peak)	Vehicle Trips (Off-Pk)	Vehicle Hours (Peak)	Vehicle Hours (Off-Pk)	Vehicle Miles (Peak)	Vehicle Miles (Off-Pk)	% VMT Congested (Peak)	% VMT Congested (O.Pk)
370,000	370,000	100,000	100,000	2,800,000	2,800,000	0.75	0.1
250,000	1,500,000	70,000	420,000	1,870,000	11,210,000	0.75	0.1
-	-	-	-	-	-		
-	-	-	-	-	-		
17,000	70,000	6,000	22,000	131,000	524,000	0.75	0.1
71,000	282,000	22,000	87,000	530,000	2,122,000	0.75	0.1
708,000	2,222,000	198,000	629,000	5,331,000	16,656,000		

390,000	390,000	70,000	70,000	1,650,000	1,650,000	0.55	0.1
260,000	1,550,000	50,000	290,000	1,100,000	6,610,000	0.55	0.1
-	-	-	-	-	-		
-	-	-	-	-	-		
16,000	62,000	4,000	15,000	81,000	324,000	0.55	0.1
62,000	250,000	14,000	57,000	312,000	1,248,000	0.55	0.1
728,000	2,252,000	138,000	432,000	3,143,000	9,832,000		

Trips Attracted to More Efficient Location

Vehicle Trips (Peak)	Vehicle Trips (Off-Pk)	Vehicle Hours (Peak)	Vehicle Hours (Off-Pk)	Vehicle Miles (Peak)	Vehicle Miles (Off-Pk)	% VMT Congested (Peak)	% VMT Congested (O.Pk)
1,199	1,199	333	333	8,985	8,985	0.75	0.1
799	4,794	222	1,332	5,990	35,940.00	0.75	0.1
56	224	18	72	420	1,680	0.75	0.1
226	904	70	280	1,700	6,800	0.75	0.1
2,280	7,121	643	2,017	17,095	53,405		

1,245	1,245	233	233	5,295	5,295	0.55	0.1
830	4,980	155	930	3,530	21,180	0.55	0.1
50	200	12	48	260	1,040	0.55	0.1
200	800	46	184	1,000	4,000	0.55	0.1
2,325	7,225	446	1,395	10,085	31,515		

1.04	1.04	0.70	0.70	0.59	0.59	0.73	1.00
1.04	1.04	0.70	0.70	0.59	0.59	0.73	1.00
0.89	0.89	0.67	0.67	0.62	0.62	0.73	1.00
0.88	0.88	0.66	0.66	0.59	0.59	0.73	1.00
4	4	3	3	2	2		

Daily Induced

Vehicle Trips (Peak)	Vehicle Trips (Off-Pk)	Vehicle Hours (Peak)	Vehicle Hours (Off-Pk)	Vehicle Miles (Peak)	Vehicle Miles (Off-Pk)	% VMT Congested (Peak)	% VMT Congested (O.Pk)
1,199	1,199	333	333	8,985	8,985	0.75	0.10
799	4,794	222	1,332	5,990	35,940	0.75	0.10
56	224	18	72	420	1,680	0.75	0.10
226	904	70	280	1,700	6,800	0.75	0.10
2,280	7,121	643	2,017	17,095	53,405	-	-
1,245	1,245	233	233	5,295	5,295	0.55	0.10
830	4,980	155	930	3,530	21,180	0.55	0.10
50	200	12	48	260	1,040	0.55	0.10
200	800	46	184	1,000	4,000	0.55	0.10
2,325	7,225	446	1,395	10,085	31,515	-	-

Annual Induced

Vehicle Trips (Peak)	Vehicle Trips (Off-Pk)	Vehicle Hours (Peak)	Vehicle Hours (Off-Pk)	Vehicle Miles (Peak)	Vehicle Miles (Off-Pk)	% VMT Congested (Peak)	% VMT Congested (O.Pk)
370,000	370,000	100,000	100,000	2,800,000	2,800,000	0.75	0.10
250,000	1,500,000	70,000	420,000	1,870,000	11,210,000	0.75	0.10
17,000	70,000	6,000	22,000	131,000	524,000	0.75	0.10
71,000	282,000	22,000	87,000	530,000	2,122,000	0.75	0.10
708,000	2,222,000	198,000	629,000	5,331,000	16,656,000	-	-
390,000	390,000	70,000	70,000	1,650,000	1,650,000	0.55	0.10
260,000	1,550,000	50,000	290,000	1,100,000	6,610,000	0.55	0.10
16,000	62,000	4,000	15,000	81,000	324,000	0.55	0.10
62,000	250,000	14,000	57,000	312,000	1,248,000	0.55	0.10
728,000	2,252,000	138,000	432,000	3,143,000	9,832,000	-	-

to 1-M

/SF

Incr.	Tot Inc.
Val SF	Value
19	123
11	63
11	63
41	249

Vehicle Trips (Off-Pk)	Vehicle Hours (Peak)	Vehicle Hours (Off-Pk)	Vehicle Miles (Peak)	Vehicle Miles (Off-Pk)	% VMT Congeste d (Peak)
1,170,000	170,000	170,000	4,710,000	4,710,000	0.75
4,680,000	120,000	720,000	3,140,000	18,850,000	0.75
-	-	-	-	-	
-	-	-	-	-	
220,000	10,000	37,000	218,000	873,000	0.75
882,000	38,000	152,000	892,000	3,570,000	0.75
6,952,000	338,000	1,079,000	8,960,000	28,003,000	

1,150,000	150,000	150,000	3,470,000	3,470,000	0.55
4,580,000	100,000	610,000	2,310,000	13,890,000	0.55
-	-	-	-	-	
-	-	-	-	-	
212,000	8,000	30,000	168,000	673,000	0.55
850,000	30,000	144,000	674,000	2,696,000	0.55
6,792,000	288,000	934,000	6,622,000	20,729,000	

Vehicle Trips (Off-Pk)	Vehicle Hours (Peak)	Vehicle Hours (Off-Pk)	Vehicle Miles (Peak)	Vehicle Miles (Off-Pk)	% VMT Congested (Peak)
3,751	570	570	15,105	15,105	0.75
15,002	380	2,280	10,070	60,420	0.75
-	-	-	-	-	
-	-	-	-	-	
704	30	120	700	2,800	0.75
2,826	122	488	2,860	11,440	0.75
22,283	1,102	3,458	28,735	89,765	

3,675	489	489	11,130	11,130	0.55
14,700	326	1,956	7,420	44,520	0.55
-	-	-	-	-	
-	-	-	-	-	
680	24	96	540	2,160	0.55
2,722	98	464	2,160	8,640	0.55
21,777	937	3,005	21,250	66,450	

0.98	0.86	0.86	0.74	0.74	0.73
0.98	0.86	0.86	0.74	0.74	0.73
0.97	0.80	0.80	0.77	0.77	0.73
0.96	0.80	0.95	0.76	0.76	0.73
4	3	3	3	3	

Induced

Vehicle Trips (Off-Pk)	Vehicle Hours (Peak)	Vehicle Hours (Off-Pk)	Vehicle Miles (Peak)	Vehicle Miles (Off-Pk)	% VMT Congested (Peak)
3,751	570	570	15,105	15,105	0.75
15,002	380	2,280	10,070	60,420	0.75
704	30	120	700	2,800	0.75
2,826	122	488	2,860	11,440	0.75
22,283	1,102	3,458	28,735	89,765	-
3,675	489	489	11,130	11,130	0.55
14,700	326	1,956	7,420	44,520	0.55
680	24	96	540	2,160	0.55
2,722	98	464	2,160	8,640	0.55
21,777	937	3,005	21,250	66,450	-

Induced

Vehicle Trips (Off-Pk)	Vehicle Hours (Peak)	Vehicle Hours (Off-Pk)	Vehicle Miles (Peak)	Vehicle Miles (Off-Pk)	% VMT Congested (Peak)
1,170,000	170,000	170,000	4,710,000	4,710,000	0.75
4,680,000	120,000	720,000	3,140,000	18,850,000	0.75
220,000	10,000	37,000	218,000	873,000	0.75
882,000	38,000	152,000	892,000	3,570,000	0.75
6,952,000	338,000	1,079,000	8,960,000	28,003,000	-
1,150,000	150,000	150,000	3,470,000	3,470,000	0.55
4,580,000	100,000	610,000	2,310,000	13,890,000	0.55
212,000	8,000	30,000	168,000	673,000	0.55
850,000	30,000	144,000	674,000	2,696,000	0.55
6,792,000	288,000	934,000	6,622,000	20,729,000	-

% VMT Congested (O.Pk)
0.1
0.1
0.1
0.1

0.1
0.1
0.1
0.1

--

**% VMT
Congeste
d (O.Pk)**

0.1
0.1
0.1
0.1

0.1
0.1
0.1
0.1

1.00
1.00
1.00
1.00

**% VMT
Congeste
d (O.Pk)**

0.10

0.10

0.10

0.10

-

0.10

0.10

0.10

0.10

-

**% VMT
Congeste
d (O.Pk)**

0.10

0.10

0.10

0.10

-

0.10

0.10

0.10

0.10

-

Background Annual VMT	14,976,000	15.0 Million VMT/yr
-----------------------	------------	---------------------

Total Base Year/Background Crashes per Yr in Study Area				
Severity	Property Damage	Minor Injuries	Significant Injuries	Serious Injuries
2010	27	18	7	1
2011	24	7	16	2
2012	34	14	12	3
2013	35	9	5	2
2014	23	14	12	0
2015	29	14	14	0
2016	48	18	22	3
7-Yr Ave	31.4	13.4	12.6	1.6

*Note: There were no fatalities in the 7-yr. It is reasonable to assume NB would average 1 every 10-years but this analysis does not claim credit for fatality reductions

VMT/Yr	Base	Build
Background + Induced	21,987,000	12,975,000

Project items that will result in better safety				
<i>Best Case/Worst Case Reduction Factor =</i>		<i>1.5</i>		
Crash Modification Factors for Project Area	Best-case	Best-case	Worst-case	Worst-case
	CMF	Reduced*	CMF Low	Reduced*
15% reduction in speed, effect on fatalities	0.56	0.56	0.59	0.59
15% reduction in speed, effect on injuries	0.78	0.78	0.81	0.81
15% reduction in speed, property damage	0.85	0.85	0.88	0.88
Remove on-street parking	0.72	0.91	0.78	0.93
Raised Median	0.61	0.87	0.78	0.93
Reduce driveways	0.69	0.90	0.75	0.92
Protected/buffered Bike Lanes	0.92	0.97	0.95	0.98

*Red assumes each feature is not 100% additive (relative to a project with just one CMF), so benefit is reduced accordingly

Note: New bike lanes also has its own CMF, but assume benefits already shown more than account for any added benefit of bike lanes

All CMF's come from CMF clearinghouse, and are 4-star rated or higher

Summary of Crash Modification Factors	Best Case	Worst Case*
Fatalities	0.39	0.46
Injuries	0.54	0.63
PDO	0.60	0.69

Note: To complete where "reduced"

*Safety benefits based on worst case (i.e., assume safety benefits may not be as substantial as expected)

Note: Value of .40 means fatalities should be only 40% of what they were before, or a 60% reduction.

Crash Rates per Million VMT

	No Build	Best Case	Worst Case
PDO/MVMT	2.10	1.26	1.45
Minor Inj/MVMT	0.90	0.48	0.56
Moderate/MVMT	0.84	0.45	0.53
Serious Inj/MVMT	0.10	0.06	0.07
Fatal / MVMT	0.00%	0.00%	0.00%
All Non-Fatal Injuries	1.84	0.99	1.15

Predicted outcomes based on total VMT

Note: "Predicted" for No Build should be same

	No Build	Best Case	Worst Case	Change
PDO	31.4	18.9	21.8	9.7
Minor Inj	13.4	7.2	8.4	5.0
Moderate	12.6	6.8	7.9	4.7
Serious Inj	1.6	0.8	1.0	0.6
Fatal	0%	0%	0%	-

Predicted outcomes	No Build	Best Case	Worst Case	Change
PDO	31	19	22	9
Minor Inj	13	7	8	5
Moderate	13	7	8	5
Serious Inj	1.6	0.8	1.0	0.6
Fatal	0%	0%	0%	0%

Number = likely number of accidents in a given year over entire corridor, based on VMT and crash

Pct = Odds of this type of accident in any given year.

31	19	22	9
28	15	17	11

Fatalities per year

0
0
0
0
0
0
0
0
0.00

Note: These crashes at left were obtained from SLC data

Place summary table here to make it easier

35-Year Benefit Summ		
Discount Rate	Veh. Op. Cost	Time & Reliability
7%	\$17	\$10
3%	\$45	\$41

0.07776

Elvik, R., Christensen, P., and Amundsen, A., "Speed and Road Accidents An Evaluation of the Power Model." Oslo, Norway, Transportoko

Elvik, R., Christensen, P., and Amundsen, A., "Speed and Road Accidents An Evaluation of the Power Model." Oslo, Norway, Transportoko

Elvik, R., Christensen, P., and Amundsen, A., "Speed and Road Accidents An Evaluation of the Power Model." Oslo, Norway, Transportoko Highway Safety Manual, 2010

Handbook of Road Safety Measures, Elvik, R. and Vaa, T., 2004

Evaluating the Safety Effects of Bicycle Lanes in New York City, Chen et al., June 2012

ite cumulative crash modification factors, start with the CMF associated with speed (the largest), then multiply by
l" means "an increasingly reduced effect, were each incremental factor isn't as powerful as if it had been the only

Validation check: Small piece

Base Scenario		
Crashes		
	Fatality	Injury
2022	-	27.57
2058	-	73.13

% chance of fatality per million VMT

Paste Values (compare with p

2022	0.04	15.48
2058	0.11	41.05

ne as original input. But predicted for best and worst case is the important part

Improvement

30.7%

37.3%

37.3%

37.3%

#DIV/0!

Improve
29%
38%
38%
37%
#DIV/0!

rates

to see what happens when CMF's change

Benefit Based on Initial \$20.2m Cost			
Improved Safety	Env. Benefit	Total Benefit	Benefit / Cost Ratio
\$36	\$1	\$63	15.1
\$83	\$3	\$172	17.4

onomisk Institutt, (2004)

onomisk Institutt, (2004)

onomisk Institutt, (2004)

the reduced factors
factor."

of Travel Characteristics table brought here to see if inputs on this page cause effects that make sense

Project Scenario			
Crashes			
Property Damage	Fatality	Injury	Property Damage
31.43	-	16.59	20.90
83.36	-	33.61	42.33
	-	(10.98)	(10.53)
	-	(39.51)	(41.03)

previous assumptions)

19.17	0.04	14.86	18.40
50.84	0.08	30.10	37.27
	(0.00)	(0.62)	(0.77)
	(0.03)	(10.96)	(13.57)

Benefit Cost Summary

Benefit	3% discount rate (in \$millions)	7% discount rate (in \$millions)	Undiscounted (in \$millions)
Vehicle Operating Costs	\$45.0	\$16.9	\$103.6
Business (Freight) Time and Reliability Costs	-\$20.8	-\$10.9	-\$37.8
Value of Personal Time and Reliability	\$62.2	\$20.5	\$152.9
Safety	\$82.8	\$35.6	\$176.6
Environmental: Non-CO ₂	\$3.0	\$1.1	\$7.0
Total Benefits	\$172.2	\$63.2	\$402.2
Costs	3% discount rate (in \$millions)	7% discount rate (in \$millions)	Undiscounted (in \$millions)
Capital Investment Costs	\$18.0	\$15.5	\$20.2
Operation and Maintenance Costs	-\$0.6	-\$0.4	-\$0.8
Total Costs	\$17.4	\$15.1	\$19.4
	3% discount rate (in \$millions)	7% discount rate (in \$millions)	Undiscounted (in \$millions)
Net Present Value	\$154.8	\$48.1	\$382.9
	3% discount rate (in \$millions)	7% discount rate (in \$millions)	Undiscounted (in \$millions)
Benefit/Cost Ratio	9.9	4.2	20.8

35-Year Benefit Summary Based on Initial \$20.2

Discount Rate	Veh. Op. Cost	Time & Reliability	Improved Safety	Env. Benefit	Total Benefit
7%	\$17	\$10	\$36	\$1	\$63
3%	\$45	\$41	\$83	\$3	\$172

M Cost	
Total Cost	Benefit / Cost Ratio
\$15	4.2
\$17	9.9

Average Annual
Without 300 West project
With 300 West project
After, Relative to Before

VMT and VHT, With and Without Project

Annual Veh.Trips	Annual	VMT	Annual	VHT	Implied
					MPH
9,180,000	36,970,000		1,420,000		26.0
8,980,000	27,360,000		1,220,000		22.4
98%	74%		86%		86%

Travel Demand Characteristics

		Base Scenario			P
		Trips			
Year	% of Relocated Trips Occurred	Psgr Car Commuting	Psgr Car Personal	Trucks	Psgr Car Commute
2022	0.00%	1,600,000	3,710,000	937,000	1,520,000
2023	0.00%	1,603,200	3,717,420	938,874	1,523,040
2024	0.00%	1,606,406	3,724,855	940,752	1,526,086
2025	0.00%	1,609,619	3,732,305	942,633	1,529,138
2026	4.00%	1,642,676	3,810,331	962,260	1,563,647
2027	8.00%	1,675,859	3,888,654	981,961	1,598,287
2028	12.00%	1,709,167	3,967,276	1,001,737	1,633,060
2029	16.00%	1,742,602	4,046,196	1,021,589	1,667,966
2030	20.00%	1,776,165	4,125,417	1,041,515	1,703,004
2031	24.00%	1,809,854	4,204,938	1,061,518	1,738,177
2032	28.00%	1,843,671	4,284,760	1,081,596	1,773,483
2033	32.00%	1,877,616	4,364,885	1,101,750	1,808,923
2034	36.00%	1,911,690	4,445,313	1,121,981	1,844,498
2035	40.00%	1,945,892	4,526,046	1,142,288	1,880,208
2036	44.00%	1,980,223	4,607,084	1,162,672	1,916,053
2037	48.00%	2,014,684	4,688,428	1,183,132	1,952,035
2038	52.00%	2,049,275	4,770,078	1,203,670	1,988,152
2039	56.00%	2,083,996	4,852,037	1,224,286	2,024,406
2040	60.00%	2,118,848	4,934,304	1,244,979	2,060,798
2041	64.00%	2,153,831	5,016,881	1,265,750	2,097,327
2042	68.00%	2,188,946	5,099,769	1,286,599	2,133,993
2043	72.00%	2,224,192	5,182,968	1,307,526	2,170,798
2044	76.00%	2,259,571	5,266,480	1,328,532	2,207,742
2045	80.00%	2,295,082	5,350,304	1,349,617	2,244,824
2046	84.00%	2,330,726	5,434,443	1,370,781	2,282,047
2047	88.00%	2,366,503	5,518,898	1,392,024	2,319,409
2048	92.00%	2,402,415	5,603,668	1,413,346	2,356,911
2049	96.00%	2,438,460	5,688,755	1,434,748	2,394,554
2050	100.00%	2,474,640	5,774,160	1,456,231	2,432,339
2051	100.00%	2,479,589	5,785,709	1,459,143	2,437,203
2052	100.00%	2,484,549	5,797,280	1,462,061	2,442,078
2053	100.00%	2,489,518	5,808,875	1,464,985	2,446,962
2054	100.00%	2,494,497	5,820,492	1,467,915	2,451,856
2055	100.00%	2,499,486	5,832,133	1,470,851	2,456,760
2056	100.00%	2,504,485	5,843,798	1,473,793	2,461,673
2057	100.00%	2,509,494	5,855,485	1,476,741	2,466,596
2058	100.00%	2,514,513	5,867,196	1,479,694	2,471,530
2058		Cells highlighted in light blue are the numbers reported from the regional t			

Travel Demand Characteristics

Project Scenario		Base Scenario			
Trips		Total VMT			
Psgr Car Personal	Trucks	Psgr Car Commute	Psgr Car Personal	Trucks	Psgr Car Commute
3,540,000	937,000	3,820,000	8,910,000	2,246,000	42.50%
3,547,080	938,874	3,827,640	8,927,820	2,250,492	42.50%
3,554,174	940,752	3,835,295	8,945,676	2,254,993	42.50%
3,561,283	942,633	3,842,966	8,963,567	2,259,503	42.50%
3,641,386	960,244	4,076,449	9,508,892	2,397,363	42.50%
3,721,796	977,921	4,310,851	10,056,363	2,535,766	42.50%
3,802,512	995,665	4,546,174	10,605,986	2,674,713	42.50%
3,883,537	1,013,476	4,782,421	11,157,767	2,814,206	42.50%
3,964,871	1,031,354	5,019,595	11,711,712	2,954,245	42.50%
4,046,514	1,049,300	5,257,699	12,267,829	3,094,834	42.50%
4,128,468	1,067,313	5,496,735	12,826,123	3,235,973	42.50%
4,210,734	1,085,395	5,736,706	13,386,602	3,377,665	42.50%
4,293,312	1,103,544	5,977,615	13,949,271	3,519,910	42.50%
4,376,204	1,121,762	6,219,465	14,514,137	3,662,710	42.50%
4,459,410	1,140,048	6,462,258	15,081,207	3,806,068	42.50%
4,542,932	1,158,402	6,705,997	15,650,487	3,949,985	42.50%
4,626,770	1,176,826	6,950,686	16,221,984	4,094,462	42.50%
4,710,925	1,195,318	7,196,326	16,795,704	4,239,501	42.50%
4,795,398	1,213,880	7,442,921	17,371,654	4,385,104	42.50%
4,880,190	1,232,512	7,690,474	17,949,841	4,531,272	42.50%
4,965,302	1,251,213	7,938,987	18,530,271	4,678,008	42.50%
5,050,735	1,269,984	8,188,464	19,112,951	4,825,312	42.50%
5,136,490	1,288,825	8,438,907	19,697,888	4,973,187	42.50%
5,222,567	1,307,736	8,690,318	20,285,088	5,121,634	42.50%
5,308,969	1,326,718	8,942,702	20,874,558	5,270,655	42.50%
5,395,695	1,345,770	9,196,060	21,466,304	5,420,251	42.50%
5,482,747	1,364,893	9,450,396	22,060,335	5,570,425	42.50%
5,570,125	1,384,088	9,705,713	22,656,655	5,721,178	42.50%
5,657,831	1,403,354	9,962,013	23,255,272	5,872,512	42.50%
5,669,147	1,406,160	9,981,937	23,301,783	5,884,257	42.50%
5,680,485	1,408,973	10,001,901	23,348,387	5,896,025	42.50%
5,691,846	1,411,791	10,021,905	23,395,083	5,907,817	42.50%
5,703,230	1,414,614	10,041,949	23,441,874	5,919,633	42.50%
5,714,636	1,417,443	10,062,032	23,488,757	5,931,472	42.50%
5,726,066	1,420,278	10,082,157	23,535,735	5,943,335	42.50%
5,737,518	1,423,119	10,102,321	23,582,806	5,955,222	42.50%
5,748,993	1,425,965	10,122,525	23,629,972	5,967,132	42.50%

Travel demand model, other years are interpolated

Travel Demand Characteristics

			Project Scenario		
% Fraction Congested			Total VMT		
Psgr Car Personal	N Congested Trucks	Trucks % Congested	Psgr Car Commute	Psgr Car Personal	Trucks
19.26%	516,450	22.99%	3,640,000	8,490,000	2,246,000
19.26%	517,483	22.99%	3,640,000	8,506,980	2,250,492
19.26%	518,518	22.99%	3,640,000	8,523,994	2,254,993
19.26%	519,555	22.99%	3,640,000	8,541,042	2,259,503
19.27%	551,252	22.99%	3,773,059	8,868,999	2,343,253
19.27%	583,074	22.99%	3,906,651	9,198,233	2,427,328
19.27%	615,021	22.99%	4,040,776	9,528,749	2,511,731
19.27%	647,093	22.99%	4,175,437	9,860,550	2,596,461
19.27%	679,291	22.99%	4,310,634	10,193,640	2,681,521
19.27%	711,616	22.99%	4,446,371	10,528,023	2,766,910
19.27%	744,067	22.99%	4,582,647	10,863,703	2,852,630
19.27%	776,645	22.99%	4,719,466	11,200,684	2,938,682
19.27%	809,350	22.99%	4,856,828	11,538,968	3,025,067
19.28%	842,183	22.99%	4,994,735	11,878,562	3,111,785
19.28%	875,144	22.99%	5,133,189	12,219,467	3,198,838
19.28%	908,234	22.99%	5,272,191	12,561,689	3,286,227
19.28%	941,452	22.99%	5,411,743	12,905,230	3,373,953
19.28%	974,800	22.99%	5,551,847	13,250,096	3,462,016
19.28%	1,008,277	22.99%	5,692,505	13,596,289	3,550,419
19.28%	1,041,885	22.99%	5,833,717	13,943,814	3,639,161
19.28%	1,075,622	22.99%	5,975,486	14,292,675	3,728,243
19.28%	1,109,491	22.99%	6,117,813	14,642,876	3,817,668
19.28%	1,143,491	22.99%	6,260,701	14,994,420	3,907,435
19.28%	1,177,622	22.99%	6,404,149	15,347,312	3,997,546
19.28%	1,211,885	22.99%	6,548,162	15,701,555	4,088,002
19.28%	1,246,281	22.99%	6,692,739	16,057,154	4,178,804
19.28%	1,280,809	22.99%	6,837,883	16,414,112	4,269,953
19.28%	1,315,470	22.99%	6,983,595	16,772,435	4,361,449
19.28%	1,350,265	22.99%	7,129,877	17,132,124	4,453,295
19.28%	1,352,966	22.99%	7,136,857	17,166,389	4,462,201
19.28%	1,355,672	22.99%	7,143,851	17,200,721	4,471,126
19.28%	1,358,383	22.99%	7,150,858	17,235,123	4,480,068
19.28%	1,361,100	22.99%	7,157,880	17,269,593	4,489,028
19.28%	1,363,822	22.99%	7,164,916	17,304,132	4,498,006
19.28%	1,366,550	22.99%	7,171,966	17,338,740	4,507,002
19.28%	1,369,283	22.99%	7,179,030	17,373,418	4,516,016
19.28%	1,372,021	22.99%	7,186,108	17,408,165	4,525,048

Travel Demand Characteristics

Scenario				Base Scenario		
% Fraction Congested				VHT		
Psgr Car Commute	Psgr Car Personal	N Congested Trucks	Trucks	Psgr Car Commute	Psgr Car Personal	Trucks
32.50%	16.41%	499,050	22.22%	140,000	350,000	100,000
32.50%	16.41%	500,048	22.22%	140,280	350,700	100,200
32.50%	16.41%	501,048	22.22%	140,561	351,401	100,400
32.50%	16.41%	502,050	22.22%	140,842	352,104	100,601
32.50%	16.41%	530,741	22.65%	149,188	372,566	106,326
32.50%	16.41%	559,544	23.05%	157,566	393,108	112,074
32.50%	16.41%	588,460	23.43%	165,978	413,730	117,844
32.50%	16.41%	617,490	23.78%	174,422	434,434	123,637
32.50%	16.41%	646,634	24.11%	182,900	455,218	129,453
32.50%	16.41%	675,891	24.43%	191,411	476,084	135,291
32.50%	16.41%	705,263	24.72%	199,955	497,032	141,152
32.50%	16.41%	734,750	25.00%	208,533	518,062	147,036
32.50%	16.42%	764,352	25.27%	217,144	539,174	152,943
32.50%	16.42%	794,070	25.52%	225,789	560,368	158,873
32.50%	16.42%	823,903	25.76%	234,468	581,644	164,827
32.50%	16.42%	853,852	25.98%	243,180	603,004	170,803
32.50%	16.42%	883,918	26.20%	251,926	624,447	176,803
32.50%	16.42%	914,101	26.40%	260,706	645,973	182,826
32.50%	16.42%	944,401	26.60%	269,521	667,582	188,872
32.50%	16.42%	974,818	26.79%	278,369	689,276	194,942
32.50%	16.42%	1,005,354	26.97%	287,252	711,054	201,035
32.50%	16.42%	1,036,008	27.14%	296,170	732,915	207,152
32.50%	16.42%	1,066,780	27.30%	305,121	754,862	213,292
32.50%	16.42%	1,097,671	27.46%	314,108	776,894	219,457
32.50%	16.42%	1,128,681	27.61%	323,129	799,010	225,645
32.50%	16.42%	1,159,812	27.75%	332,185	821,212	231,857
32.50%	16.42%	1,191,062	27.89%	341,276	843,499	238,093
32.50%	16.42%	1,222,432	28.03%	350,402	865,873	244,353
32.50%	16.42%	1,253,923	28.16%	359,563	888,332	250,637
32.50%	16.42%	1,256,431	28.16%	360,282	890,109	251,138
32.50%	16.42%	1,258,944	28.16%	361,003	891,889	251,640
32.50%	16.42%	1,261,462	28.16%	361,725	893,673	252,143
32.50%	16.42%	1,263,985	28.16%	362,448	895,460	252,648
32.50%	16.42%	1,266,513	28.16%	363,173	897,251	253,153
32.50%	16.42%	1,269,046	28.16%	363,899	899,046	253,659
32.50%	16.42%	1,271,584	28.16%	364,627	900,844	254,167
32.50%	16.42%	1,274,127	28.16%	365,357	902,646	254,675

Travel Demand Characteristics

Project Scenario			Base Scenario			P
VHT			Buffer Time Hrs			Bu
Psgr Car Commute	Psgr Car Personal	Trucks	Psgr Car Commute	Psgr Car Personal	Trucks	Psgr Car Commute
160,000	370,000	122,000	42,179	30,126	10,649	29,175
160,320	370,740	122,244	42,263	30,187	10,670	29,233
160,641	371,481	122,488	42,348	30,247	10,692	29,292
160,962	372,224	122,733	42,432	30,307	10,713	29,350
166,929	386,678	126,608	44,947	32,071	11,323	30,438
172,919	401,188	130,497	47,471	33,842	11,935	31,531
178,932	415,754	134,402	50,005	35,620	12,549	32,627
184,969	430,377	138,321	52,549	37,405	13,166	33,728
191,029	445,057	142,256	55,104	39,197	13,785	34,833
197,113	459,794	146,206	57,668	40,996	14,407	35,942
203,220	474,588	150,171	60,242	42,802	15,031	37,056
209,351	489,440	154,151	62,826	44,615	15,657	38,174
215,506	504,348	158,147	65,421	46,435	16,286	39,296
221,684	519,315	162,158	68,025	48,262	16,918	40,423
227,886	534,339	166,184	70,640	50,096	17,552	41,554
234,112	549,422	170,226	73,264	51,937	18,188	42,689
240,362	564,563	174,283	75,900	53,786	18,827	43,828
246,637	579,762	178,356	78,545	55,642	19,468	44,973
252,935	595,019	182,445	81,200	57,504	20,112	46,121
259,257	610,335	186,549	83,866	59,375	20,758	47,274
265,604	625,710	190,669	86,542	61,252	21,407	48,431
271,975	641,145	194,805	89,229	63,137	22,058	49,593
278,371	656,638	198,956	91,926	65,029	22,712	50,759
284,791	672,191	203,123	94,633	66,928	23,369	51,930
291,236	687,803	207,306	97,351	68,834	24,028	53,105
297,705	703,475	211,505	100,080	70,748	24,689	54,285
304,199	719,208	215,720	102,819	72,670	25,353	55,469
310,718	735,000	219,951	105,568	74,598	26,020	56,657
317,262	750,852	224,198	108,328	76,535	26,689	57,851
317,896	752,354	224,647	108,545	76,688	26,742	57,966
318,532	753,859	225,096	108,762	76,841	26,796	58,082
319,169	755,366	225,546	108,979	76,995	26,849	58,198
319,807	756,877	225,997	109,197	77,149	26,903	58,315
320,447	758,391	226,449	109,416	77,303	26,957	58,431
321,088	759,908	226,902	109,634	77,458	27,011	58,548
321,730	761,428	227,356	109,854	77,613	27,065	58,665
322,373	762,950	227,811	110,073	77,768	27,119	58,783

1,000,000

Project Scenario		Base Scenario			Project Scenario		
Buffer Time Hours		Crashes			Crashes		
Psgr Car Personal	Trucks	Fatality	Injury	Property Damage	Fatality	Injury	Property Damage
27,258	12,425	-	27.57	31.43	-	16.59	20.90
27,313	12,449	-	27.63	31.49	-	16.62	20.93
27,367	12,474	-	27.68	31.55	-	16.64	20.96
27,422	12,499	-	27.74	31.62	-	16.67	20.99
28,487	13,217	-	29.42	33.54	-	17.30	21.78
29,557	13,943	-	31.12	35.47	-	17.93	22.58
30,630	14,676	-	32.82	37.41	-	18.56	23.38
31,708	15,416	-	34.53	39.36	-	19.20	24.18
32,790	16,161	-	36.24	41.31	-	19.84	24.98
33,876	16,913	-	37.96	43.27	-	20.48	25.79
34,966	17,671	-	39.69	45.24	-	21.12	26.60
36,060	18,435	-	41.43	47.22	-	21.77	27.41
37,159	19,203	-	43.17	49.21	-	22.42	28.23
38,262	19,977	-	44.91	51.20	-	23.07	29.05
39,369	20,756	-	46.67	53.20	-	23.72	29.88
40,481	21,539	-	48.43	55.21	-	24.38	30.70
41,597	22,328	-	50.20	57.22	-	25.04	31.53
42,717	23,120	-	51.98	59.25	-	25.70	32.36
43,841	23,918	-	53.76	61.28	-	26.36	33.20
44,970	24,720	-	55.55	63.32	-	27.03	34.04
46,103	25,526	-	57.34	65.37	-	27.70	34.88
47,240	26,336	-	59.15	67.42	-	28.37	35.73
48,382	27,150	-	60.96	69.48	-	29.04	36.58
49,528	27,969	-	62.77	71.56	-	29.72	37.43
50,679	28,792	-	64.60	73.64	-	30.40	38.29
51,834	29,618	-	66.43	75.72	-	31.08	39.15
52,993	30,449	-	68.27	77.82	-	31.77	40.01
54,157	31,284	-	70.11	79.92	-	32.46	40.87
55,326	32,122	-	71.97	82.03	-	33.15	41.74
55,436	32,186	-	72.11	82.20	-	33.20	41.82
55,547	32,251	-	72.25	82.36	-	33.26	41.89
55,658	32,315	-	72.40	82.53	-	33.32	41.96
55,769	32,380	-	72.54	82.69	-	33.38	42.04
55,881	32,445	-	72.69	82.86	-	33.44	42.11
55,993	32,510	-	72.83	83.02	-	33.49	42.18
56,105	32,575	-	72.98	83.19	-	33.55	42.26
56,217	32,640	-	73.13	83.36	-	33.61	42.33

CAGR FACTOR	Buldout Factor	Buildout Control Factor
1	0.00%	0.00%
1.002	0.00%	0.00%
1.004004	0.00%	0.00%
1.006012	0.00%	0.00%
1.008024	4.00%	0.00%
1.01004	8.00%	0.00%
1.01206	12.00%	0.00%
1.014084	16.00%	0.00%
1.016112	20.00%	0.00%
1.018145	24.00%	0.00%
1.020181	28.00%	0.00%
1.022221	32.00%	0.00%
1.024266	36.00%	0.00%
1.026314	40.00%	0.00%
1.028367	44.00%	0.00%
1.030424	48.00%	0.00%
1.032485	52.00%	0.00%
1.034549	56.00%	0.00%
1.036619	60.00%	0.00%
1.038692	64.00%	0.00%
1.040769	68.00%	0.00%
1.042851	72.00%	0.00%
1.044936	76.00%	0.00%
1.047026	80.00%	0.00%
1.04912	84.00%	0.00%
1.051219	88.00%	0.00%
1.053321	92.00%	0.00%
1.055428	96.00%	0.00%
1.057539	100.00%	0.00%
1.059654	104.00%	-4.00%
1.061773	108.00%	-8.00%
1.063896	112.00%	-12.00%
1.066024	116.00%	-16.00%
1.068156	120.00%	-20.00%
1.070293	124.00%	-24.00%
1.072433	128.00%	-28.00%
1.074578	128.00%	-28.00%

Benefit Calculations	Base Scenario			
	Vehicle Operating Cost			V
Year	Psgr Car Commute	Psgr Car Personal	Trucks	Psgr Car Commute
2022	\$1,489,800	\$3,474,900	\$2,021,400	\$1,419,600
2023	\$1,492,780	\$3,481,850	\$2,025,443	\$1,419,600
2024	\$1,495,765	\$3,488,813	\$2,029,494	\$1,419,600
2025	\$1,498,757	\$3,495,791	\$2,033,553	\$1,419,600
2026	\$1,589,815	\$3,708,468	\$2,157,627	\$1,471,493
2027	\$1,681,232	\$3,921,982	\$2,282,190	\$1,523,594
2028	\$1,773,008	\$4,136,334	\$2,407,242	\$1,575,903
2029	\$1,865,144	\$4,351,529	\$2,532,785	\$1,628,420
2030	\$1,957,642	\$4,567,568	\$2,658,821	\$1,681,147
2031	\$2,050,503	\$4,784,453	\$2,785,351	\$1,734,085
2032	\$2,143,727	\$5,002,188	\$2,912,376	\$1,787,232
2033	\$2,237,315	\$5,220,775	\$3,039,898	\$1,840,592
2034	\$2,331,270	\$5,440,216	\$3,167,919	\$1,894,163
2035	\$2,425,591	\$5,660,513	\$3,296,439	\$1,947,947
2036	\$2,520,281	\$5,881,671	\$3,425,461	\$2,001,944
2037	\$2,615,339	\$6,103,690	\$3,554,986	\$2,056,155
2038	\$2,710,767	\$6,326,574	\$3,685,016	\$2,110,580
2039	\$2,806,567	\$6,550,325	\$3,815,551	\$2,165,220
2040	\$2,902,739	\$6,774,945	\$3,946,594	\$2,220,077
2041	\$2,999,285	\$7,000,438	\$4,078,145	\$2,275,150
2042	\$3,096,205	\$7,226,806	\$4,210,207	\$2,330,440
2043	\$3,193,501	\$7,454,051	\$4,342,781	\$2,385,947
2044	\$3,291,174	\$7,682,176	\$4,475,868	\$2,441,673
2045	\$3,389,224	\$7,911,184	\$4,609,471	\$2,497,618
2046	\$3,487,654	\$8,141,078	\$4,743,589	\$2,553,783
2047	\$3,586,464	\$8,371,859	\$4,878,226	\$2,610,168
2048	\$3,685,655	\$8,603,530	\$5,013,383	\$2,666,774
2049	\$3,785,228	\$8,836,095	\$5,149,060	\$2,723,602
2050	\$3,885,185	\$9,069,556	\$5,285,260	\$2,780,652
2051	\$3,892,955	\$9,087,695	\$5,295,831	\$2,783,374
2052	\$3,900,741	\$9,105,871	\$5,306,423	\$2,786,102
2053	\$3,908,543	\$9,124,083	\$5,317,035	\$2,788,835
2054	\$3,916,360	\$9,142,331	\$5,327,669	\$2,791,573
2055	\$3,924,193	\$9,160,615	\$5,338,325	\$2,794,317
2056	\$3,932,041	\$9,178,937	\$5,349,001	\$2,797,067
2057	\$3,939,905	\$9,197,294	\$5,359,699	\$2,799,822
2058	\$3,947,785	\$9,215,689	\$5,370,419	\$2,802,582

Calculate differential: Positive numbers are benefits, negative are disbenefits

Base Scenario

	Vehicle Operating Cost			V
Year	Psgr Car Commute	Psgr Car Personal	Trucks	Psgr Car Commute
2022	\$0	\$0	\$0	\$70,200
2023	\$0	\$0	\$0	\$73,180
2024	\$0	\$0	\$0	\$76,165
2025	\$0	\$0	\$0	\$79,157
2026	\$0	\$0	\$0	\$118,322
2027	\$0	\$0	\$0	\$157,638
2028	\$0	\$0	\$0	\$197,105
2029	\$0	\$0	\$0	\$236,724
2030	\$0	\$0	\$0	\$276,495
2031	\$0	\$0	\$0	\$316,418
2032	\$0	\$0	\$0	\$356,494
2033	\$0	\$0	\$0	\$396,724
2034	\$0	\$0	\$0	\$437,107
2035	\$0	\$0	\$0	\$477,645
2036	\$0	\$0	\$0	\$518,337
2037	\$0	\$0	\$0	\$559,184
2038	\$0	\$0	\$0	\$600,187
2039	\$0	\$0	\$0	\$641,347
2040	\$0	\$0	\$0	\$682,662
2041	\$0	\$0	\$0	\$724,135
2042	\$0	\$0	\$0	\$765,766
2043	\$0	\$0	\$0	\$807,554
2044	\$0	\$0	\$0	\$849,500
2045	\$0	\$0	\$0	\$891,606
2046	\$0	\$0	\$0	\$933,871
2047	\$0	\$0	\$0	\$976,295
2048	\$0	\$0	\$0	\$1,018,880
2049	\$0	\$0	\$0	\$1,061,626
2050	\$0	\$0	\$0	\$1,104,533
2051	\$0	\$0	\$0	\$1,109,581
2052	\$0	\$0	\$0	\$1,114,640
2053	\$0	\$0	\$0	\$1,119,708
2054	\$0	\$0	\$0	\$1,124,787
2055	\$0	\$0	\$0	\$1,129,875
2056	\$0	\$0	\$0	\$1,134,974
2057	\$0	\$0	\$0	\$1,140,084
2058	\$0	\$0	\$0	\$1,145,203

Project Scenario		Base Scenario		
Vehicle Operating Cost		Cost of Time		
Psgr Car Personal	Trucks	Psgr Car Commute	Psgr Car Personal	Trucks
\$3,311,100	\$2,021,400	\$6,232,800	\$8,702,400	\$2,860,000
\$3,317,722	\$2,025,443	\$6,245,266	\$8,719,805	\$2,865,720
\$3,324,358	\$2,029,494	\$6,257,756	\$8,737,244	\$2,871,451
\$3,331,006	\$2,033,553	\$6,270,272	\$8,754,719	\$2,877,194
\$3,458,909	\$2,108,927	\$6,641,830	\$9,263,473	\$3,040,934
\$3,587,311	\$2,184,595	\$7,014,850	\$9,774,227	\$3,205,318
\$3,716,212	\$2,260,558	\$7,389,335	\$10,286,988	\$3,370,347
\$3,845,614	\$2,336,815	\$7,765,290	\$10,801,760	\$3,536,023
\$3,975,520	\$2,413,369	\$8,142,719	\$11,318,550	\$3,702,348
\$4,105,929	\$2,490,219	\$8,521,627	\$11,837,364	\$3,869,324
\$4,236,844	\$2,567,367	\$8,902,017	\$12,358,208	\$4,036,954
\$4,368,267	\$2,644,814	\$9,283,896	\$12,881,088	\$4,205,239
\$4,500,198	\$2,722,560	\$9,667,266	\$13,406,010	\$4,374,180
\$4,632,639	\$2,800,606	\$10,052,133	\$13,932,980	\$4,543,781
\$4,765,592	\$2,878,954	\$10,438,500	\$14,462,005	\$4,714,042
\$4,899,059	\$2,957,604	\$10,826,373	\$14,993,090	\$4,884,967
\$5,033,040	\$3,036,558	\$11,215,755	\$15,526,241	\$5,056,556
\$5,167,537	\$3,115,815	\$11,606,652	\$16,061,465	\$5,228,812
\$5,302,553	\$3,195,377	\$11,999,067	\$16,598,768	\$5,401,736
\$5,438,088	\$3,275,245	\$12,393,006	\$17,138,156	\$5,575,332
\$5,574,143	\$3,355,419	\$12,788,472	\$17,679,635	\$5,749,600
\$5,710,722	\$3,435,901	\$13,185,471	\$18,223,211	\$5,924,543
\$5,847,824	\$3,516,692	\$13,584,007	\$18,768,891	\$6,100,163
\$5,985,452	\$3,597,792	\$13,984,083	\$19,316,681	\$6,276,462
\$6,123,606	\$3,679,202	\$14,385,706	\$19,866,586	\$6,453,442
\$6,262,290	\$3,760,924	\$14,788,880	\$20,418,615	\$6,631,104
\$6,401,504	\$3,842,958	\$15,193,608	\$20,972,771	\$6,809,451
\$6,541,249	\$3,925,304	\$15,599,897	\$21,529,063	\$6,988,485
\$6,681,528	\$4,007,965	\$16,007,749	\$22,087,496	\$7,168,208
\$6,694,892	\$4,015,981	\$16,039,765	\$22,131,671	\$7,182,544
\$6,708,281	\$4,024,013	\$16,071,844	\$22,175,934	\$7,196,909
\$6,721,698	\$4,032,061	\$16,103,988	\$22,220,286	\$7,211,303
\$6,735,141	\$4,040,125	\$16,136,196	\$22,264,727	\$7,225,726
\$6,748,612	\$4,048,206	\$16,168,468	\$22,309,256	\$7,240,177
\$6,762,109	\$4,056,302	\$16,200,805	\$22,353,875	\$7,254,657
\$6,775,633	\$4,064,415	\$16,233,207	\$22,398,583	\$7,269,167
\$6,789,184	\$4,072,543	\$16,265,673	\$22,443,380	\$7,283,705

Project Scenario	Base Scenario
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Vehicle Operating Cost		Cost of Time		
Psgr Car Personal	Trucks	Psgr Car Commute	Psgr Car Personal	Trucks
\$163,800	\$0	\$0	\$0	\$0
\$164,128	\$0	\$0	\$0	\$0
\$164,456	\$0	\$0	\$0	\$0
\$164,785	\$0	\$0	\$0	\$0
\$249,559	\$48,700	\$0	\$0	\$0
\$334,671	\$97,594	\$0	\$0	\$0
\$420,122	\$146,684	\$0	\$0	\$0
\$505,914	\$195,970	\$0	\$0	\$0
\$592,048	\$245,452	\$0	\$0	\$0
\$678,524	\$295,132	\$0	\$0	\$0
\$765,344	\$345,009	\$0	\$0	\$0
\$852,508	\$395,084	\$0	\$0	\$0
\$940,018	\$445,359	\$0	\$0	\$0
\$1,027,874	\$495,833	\$0	\$0	\$0
\$1,116,078	\$546,507	\$0	\$0	\$0
\$1,204,631	\$597,382	\$0	\$0	\$0
\$1,293,534	\$648,458	\$0	\$0	\$0
\$1,382,787	\$699,736	\$0	\$0	\$0
\$1,472,392	\$751,217	\$0	\$0	\$0
\$1,562,350	\$802,900	\$0	\$0	\$0
\$1,652,662	\$854,788	\$0	\$0	\$0
\$1,743,329	\$906,880	\$0	\$0	\$0
\$1,834,352	\$959,176	\$0	\$0	\$0
\$1,925,733	\$1,011,679	\$0	\$0	\$0
\$2,017,471	\$1,064,387	\$0	\$0	\$0
\$2,109,569	\$1,117,302	\$0	\$0	\$0
\$2,202,027	\$1,170,425	\$0	\$0	\$0
\$2,294,846	\$1,223,756	\$0	\$0	\$0
\$2,388,028	\$1,277,295	\$0	\$0	\$0
\$2,392,804	\$1,279,850	\$0	\$0	\$0
\$2,397,589	\$1,282,409	\$0	\$0	\$0
\$2,402,385	\$1,284,974	\$0	\$0	\$0
\$2,407,189	\$1,287,544	\$0	\$0	\$0
\$2,412,004	\$1,290,119	\$0	\$0	\$0
\$2,416,828	\$1,292,699	\$0	\$0	\$0
\$2,421,661	\$1,295,285	\$0	\$0	\$0
\$2,426,505	\$1,297,875	\$0	\$0	\$0

Project Scenario			Base Scenario		
Cost of Time			Cost of Unreliability		
Psgr Car Commute	Psgr Car Personal	Trucks	Psgr Car Commute	Psgr Car Personal	Trucks
\$7,123,200	\$9,199,680	\$3,489,200	\$1,117,737	\$445,869	\$772,806
\$7,137,446	\$9,218,079	\$3,496,178	\$1,119,973	\$799,944	\$282,766
\$7,151,721	\$9,236,516	\$3,503,171	\$1,122,212	\$801,544	\$283,331
\$7,166,025	\$9,254,989	\$3,510,177	\$1,124,457	\$803,147	\$283,898
\$7,431,669	\$9,614,362	\$3,620,984	\$1,191,089	\$849,893	\$300,053
\$7,698,348	\$9,975,136	\$3,732,219	\$1,257,983	\$896,823	\$316,271
\$7,966,063	\$10,337,315	\$3,843,885	\$1,325,140	\$943,937	\$332,552
\$8,234,819	\$10,700,903	\$3,955,983	\$1,392,561	\$991,235	\$348,898
\$8,504,617	\$11,065,904	\$4,068,514	\$1,460,246	\$1,038,719	\$365,307
\$8,775,462	\$11,432,321	\$4,181,479	\$1,528,196	\$1,086,388	\$381,781
\$9,047,357	\$11,800,161	\$4,294,880	\$1,596,412	\$1,134,244	\$398,320
\$9,320,303	\$12,169,425	\$4,408,718	\$1,664,894	\$1,182,286	\$414,923
\$9,594,306	\$12,540,120	\$4,522,994	\$1,733,645	\$1,230,517	\$431,590
\$9,869,367	\$12,912,249	\$4,637,709	\$1,802,663	\$1,278,935	\$448,323
\$10,145,490	\$13,285,816	\$4,752,865	\$1,871,951	\$1,327,542	\$465,121
\$10,422,678	\$13,660,826	\$4,868,463	\$1,941,509	\$1,376,338	\$481,985
\$10,700,934	\$14,037,283	\$4,984,505	\$2,011,338	\$1,425,324	\$498,914
\$10,980,261	\$14,415,191	\$5,100,991	\$2,081,438	\$1,474,500	\$515,908
\$11,260,663	\$14,794,554	\$5,217,923	\$2,151,810	\$1,523,867	\$532,969
\$11,542,143	\$15,175,377	\$5,335,303	\$2,222,456	\$1,573,426	\$550,096
\$11,824,703	\$15,557,664	\$5,453,131	\$2,293,375	\$1,623,177	\$567,290
\$12,108,348	\$15,941,420	\$5,571,409	\$2,364,570	\$1,673,120	\$584,549
\$12,393,080	\$16,326,649	\$5,690,139	\$2,436,040	\$1,723,257	\$601,876
\$12,678,902	\$16,713,354	\$5,809,321	\$2,507,786	\$1,773,587	\$619,270
\$12,965,818	\$17,101,542	\$5,928,957	\$2,579,809	\$1,824,112	\$636,731
\$13,253,831	\$17,491,215	\$6,049,048	\$2,652,111	\$1,874,832	\$654,259
\$13,542,945	\$17,882,378	\$6,169,596	\$2,724,692	\$1,925,747	\$671,855
\$13,833,161	\$18,275,036	\$6,290,602	\$2,797,552	\$1,976,859	\$689,518
\$14,124,485	\$18,669,193	\$6,412,068	\$2,870,693	\$2,028,167	\$707,250
\$14,152,734	\$18,706,532	\$6,424,892	\$2,876,434	\$2,032,223	\$708,664
\$14,181,039	\$18,743,945	\$6,437,742	\$2,882,187	\$2,036,288	\$710,082
\$14,209,401	\$18,781,432	\$6,450,617	\$2,887,951	\$2,040,360	\$711,502
\$14,237,820	\$18,818,995	\$6,463,518	\$2,893,727	\$2,044,441	\$712,925
\$14,266,296	\$18,856,633	\$6,476,445	\$2,899,515	\$2,048,530	\$714,351
\$14,294,828	\$18,894,347	\$6,489,398	\$2,905,314	\$2,052,627	\$715,779
\$14,323,418	\$18,932,135	\$6,502,377	\$2,911,124	\$2,056,732	\$717,211
\$14,352,065	\$18,970,000	\$6,515,382	\$2,916,947	\$2,060,846	\$718,645

Project Scenario	Base Scenario
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Cost of Time			Cost of Unreliability		
Psgr Car Commute	Psgr Car Personal	Trucks	Psgr Car Commute	Psgr Car Personal	Trucks
-\$890,400	-\$497,280	-\$629,200	\$0	\$0	\$0
-\$892,181	-\$498,275	-\$630,458	\$0	\$0	\$0
-\$893,965	-\$499,271	-\$631,719	\$0	\$0	\$0
-\$895,753	-\$500,270	-\$632,983	\$0	\$0	\$0
-\$789,839	-\$350,889	-\$580,049	\$0	\$0	\$0
-\$683,498	-\$200,909	-\$526,902	\$0	\$0	\$0
-\$576,729	-\$50,328	-\$473,539	\$0	\$0	\$0
-\$469,529	\$100,857	-\$419,961	\$0	\$0	\$0
-\$361,899	\$252,646	-\$366,166	\$0	\$0	\$0
-\$253,836	\$405,042	-\$312,155	\$0	\$0	\$0
-\$145,339	\$558,047	-\$257,926	\$0	\$0	\$0
-\$36,407	\$711,662	-\$203,479	\$0	\$0	\$0
\$72,960	\$865,890	-\$148,814	\$0	\$0	\$0
\$182,766	\$1,020,731	-\$93,928	\$0	\$0	\$0
\$293,011	\$1,176,189	-\$38,823	\$0	\$0	\$0
\$403,695	\$1,332,264	\$16,503	\$0	\$0	\$0
\$514,822	\$1,488,958	\$72,051	\$0	\$0	\$0
\$626,391	\$1,646,274	\$127,821	\$0	\$0	\$0
\$738,404	\$1,804,214	\$183,813	\$0	\$0	\$0
\$850,863	\$1,962,779	\$240,029	\$0	\$0	\$0
\$963,769	\$2,121,970	\$296,469	\$0	\$0	\$0
\$1,077,123	\$2,281,791	\$353,134	\$0	\$0	\$0
\$1,190,927	\$2,442,242	\$410,025	\$0	\$0	\$0
\$1,305,181	\$2,603,326	\$467,141	\$0	\$0	\$0
\$1,419,888	\$2,765,045	\$524,485	\$0	\$0	\$0
\$1,535,048	\$2,927,400	\$582,056	\$0	\$0	\$0
\$1,650,664	\$3,090,393	\$639,855	\$0	\$0	\$0
\$1,766,735	\$3,254,027	\$697,883	\$0	\$0	\$0
\$1,883,265	\$3,418,303	\$756,140	\$0	\$0	\$0
\$1,887,031	\$3,425,140	\$757,652	\$0	\$0	\$0
\$1,890,805	\$3,431,990	\$759,168	\$0	\$0	\$0
\$1,894,587	\$3,438,854	\$760,686	\$0	\$0	\$0
\$1,898,376	\$3,445,732	\$762,207	\$0	\$0	\$0
\$1,902,173	\$3,452,623	\$763,732	\$0	\$0	\$0
\$1,905,977	\$3,459,528	\$765,259	\$0	\$0	\$0
\$1,909,789	\$3,466,447	\$766,790	\$0	\$0	\$0
\$1,913,609	\$3,473,380	\$768,323	\$0	\$0	\$0

Project Scenario			Base Scenario: Safety	
Cost of Unreliability			Cost of Accidents	
Psgr Car Commute	Psgr Car Personal	Trucks	Fatality	Injury
\$773,136	\$403,422	\$901,647	\$0	\$4,797,429
\$774,682	\$404,229	\$903,450	\$0	\$4,807,023
\$776,231	\$405,038	\$905,257	\$0	\$4,816,637
\$777,784	\$405,848	\$907,068	\$0	\$4,826,271
\$806,616	\$421,612	\$959,183	\$0	\$5,119,918
\$835,561	\$437,438	\$1,011,850	\$0	\$5,414,720
\$864,618	\$453,326	\$1,065,034	\$0	\$5,710,680
\$893,788	\$469,275	\$1,118,705	\$0	\$6,007,803
\$923,072	\$485,287	\$1,172,838	\$0	\$6,306,092
\$952,468	\$501,360	\$1,227,410	\$0	\$6,605,550
\$981,979	\$517,496	\$1,282,401	\$0	\$6,906,180
\$1,011,604	\$533,694	\$1,337,793	\$0	\$7,207,987
\$1,041,344	\$549,955	\$1,393,573	\$0	\$7,510,973
\$1,071,198	\$566,280	\$1,449,725	\$0	\$7,815,142
\$1,101,168	\$582,667	\$1,506,239	\$0	\$8,120,498
\$1,131,253	\$599,117	\$1,563,104	\$0	\$8,427,044
\$1,161,455	\$615,631	\$1,620,310	\$0	\$8,734,783
\$1,191,772	\$632,209	\$1,677,849	\$0	\$9,043,720
\$1,222,206	\$648,850	\$1,735,713	\$0	\$9,353,858
\$1,252,758	\$665,555	\$1,793,897	\$0	\$9,665,200
\$1,283,426	\$682,325	\$1,852,393	\$0	\$9,977,750
\$1,314,212	\$699,159	\$1,911,198	\$0	\$10,291,512
\$1,345,116	\$716,058	\$1,970,306	\$0	\$10,606,488
\$1,376,139	\$733,021	\$2,029,712	\$0	\$10,922,684
\$1,407,280	\$750,050	\$2,089,414	\$0	\$11,240,102
\$1,438,540	\$767,144	\$2,149,407	\$0	\$11,558,746
\$1,469,920	\$784,303	\$2,209,690	\$0	\$11,878,619
\$1,501,419	\$801,527	\$2,270,258	\$0	\$12,199,726
\$1,533,039	\$818,818	\$2,331,109	\$0	\$12,522,069
\$1,536,105	\$820,455	\$2,335,772	\$0	\$12,547,113
\$1,539,177	\$822,096	\$2,340,443	\$0	\$12,572,208
\$1,542,256	\$823,740	\$2,345,124	\$0	\$12,597,352
\$1,545,340	\$825,388	\$2,349,814	\$0	\$12,622,547
\$1,548,431	\$827,039	\$2,354,514	\$0	\$12,647,792
\$1,551,528	\$828,693	\$2,359,223	\$0	\$12,673,087
\$1,554,631	\$830,350	\$2,363,941	\$0	\$12,698,434
\$1,557,740	\$832,011	\$2,368,669	\$0	\$12,723,830

Project Scenario	Base Scenario: Safety
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Cost of Unreliability			Cost of Accidents	
Psgr Car Commute	Psgr Car Personal	Trucks	Fatality	Injury
\$344,601	\$42,447	-\$128,841	\$0	\$0
\$345,291	\$395,715	-\$620,685	\$0	\$0
\$345,981	\$396,506	-\$621,926	\$0	\$0
\$346,673	\$397,299	-\$623,170	\$0	\$0
\$384,473	\$428,281	-\$659,131	\$0	\$0
\$422,422	\$459,385	-\$695,579	\$0	\$0
\$460,522	\$490,611	-\$732,482	\$0	\$0
\$498,772	\$521,960	-\$769,807	\$0	\$0
\$537,174	\$553,432	-\$807,531	\$0	\$0
\$575,727	\$585,028	-\$845,628	\$0	\$0
\$614,432	\$616,748	-\$884,081	\$0	\$0
\$653,290	\$648,592	-\$922,871	\$0	\$0
\$692,301	\$680,561	-\$961,982	\$0	\$0
\$731,465	\$712,655	-\$1,001,402	\$0	\$0
\$770,783	\$744,875	-\$1,041,118	\$0	\$0
\$810,256	\$777,221	-\$1,081,119	\$0	\$0
\$849,883	\$809,693	-\$1,121,396	\$0	\$0
\$889,665	\$842,291	-\$1,161,940	\$0	\$0
\$929,604	\$875,017	-\$1,202,744	\$0	\$0
\$969,698	\$907,870	-\$1,243,800	\$0	\$0
\$1,009,949	\$940,851	-\$1,285,104	\$0	\$0
\$1,050,357	\$973,961	-\$1,326,648	\$0	\$0
\$1,090,923	\$1,007,199	-\$1,368,429	\$0	\$0
\$1,131,647	\$1,040,566	-\$1,410,442	\$0	\$0
\$1,172,529	\$1,074,062	-\$1,452,683	\$0	\$0
\$1,213,571	\$1,107,688	-\$1,495,149	\$0	\$0
\$1,254,772	\$1,141,445	-\$1,537,835	\$0	\$0
\$1,296,133	\$1,175,331	-\$1,580,740	\$0	\$0
\$1,337,654	\$1,209,349	-\$1,623,860	\$0	\$0
\$1,340,329	\$1,211,768	-\$1,627,107	\$0	\$0
\$1,343,010	\$1,214,192	-\$1,630,362	\$0	\$0
\$1,345,696	\$1,216,620	-\$1,633,622	\$0	\$0
\$1,348,387	\$1,219,053	-\$1,636,890	\$0	\$0
\$1,351,084	\$1,221,491	-\$1,640,163	\$0	\$0
\$1,353,786	\$1,223,934	-\$1,643,444	\$0	\$0
\$1,356,494	\$1,226,382	-\$1,646,731	\$0	\$0
\$1,359,207	\$1,228,835	-\$1,650,024	\$0	\$0

Project Scenario: Safety				
Cost of Accidents				
Property Damage	Fatality	Injury	Property Damage	Psgr Car Commute
\$135,143	\$0	\$2,887,321	\$89,862	\$39,689
\$135,413	\$0	\$2,891,633	\$89,996	\$39,769
\$135,684	\$0	\$2,895,955	\$90,131	\$39,848
\$135,955	\$0	\$2,900,284	\$90,266	\$39,928
\$144,227	\$0	\$3,009,697	\$93,671	\$42,354
\$152,532	\$0	\$3,119,538	\$97,089	\$44,789
\$160,869	\$0	\$3,229,810	\$100,521	\$47,234
\$169,239	\$0	\$3,340,513	\$103,967	\$49,689
\$177,642	\$0	\$3,451,649	\$107,426	\$52,153
\$186,077	\$0	\$3,563,219	\$110,898	\$54,627
\$194,546	\$0	\$3,675,225	\$114,384	\$57,110
\$203,048	\$0	\$3,787,667	\$117,884	\$59,604
\$211,583	\$0	\$3,900,547	\$121,397	\$62,107
\$220,151	\$0	\$4,013,866	\$124,924	\$64,620
\$228,753	\$0	\$4,127,626	\$128,464	\$67,142
\$237,389	\$0	\$4,241,828	\$132,018	\$69,675
\$246,058	\$0	\$4,356,474	\$135,587	\$72,217
\$254,760	\$0	\$4,471,563	\$139,168	\$74,769
\$263,497	\$0	\$4,587,099	\$142,764	\$77,331
\$272,267	\$0	\$4,703,082	\$146,374	\$79,903
\$281,072	\$0	\$4,819,513	\$149,998	\$82,485
\$289,910	\$0	\$4,936,394	\$153,635	\$85,077
\$298,783	\$0	\$5,053,727	\$157,287	\$87,679
\$307,690	\$0	\$5,171,511	\$160,953	\$90,291
\$316,632	\$0	\$5,289,750	\$164,633	\$92,914
\$325,608	\$0	\$5,408,444	\$168,327	\$95,546
\$334,619	\$0	\$5,527,594	\$172,035	\$98,189
\$343,664	\$0	\$5,647,203	\$175,758	\$100,841
\$352,745	\$0	\$5,767,270	\$179,495	\$103,504
\$353,450	\$0	\$5,777,342	\$179,808	\$103,711
\$354,157	\$0	\$5,787,435	\$180,122	\$103,919
\$354,866	\$0	\$5,797,548	\$180,437	\$104,126
\$355,575	\$0	\$5,807,681	\$180,752	\$104,335
\$356,286	\$0	\$5,817,834	\$181,068	\$104,543
\$356,999	\$0	\$5,828,007	\$181,385	\$104,753
\$357,713	\$0	\$5,838,201	\$181,702	\$104,962
\$358,428	\$0	\$5,848,416	\$182,020	\$105,172
				\$2,806,606

Project Scenario: Safety				
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	Cost of Accidents			
Property Damage	Fatality	Injury	Property Damage	Psgr Car Commute
\$0	\$0	\$1,910,108	\$45,281	\$0
\$0	\$0	\$1,915,390	\$45,417	\$0
\$0	\$0	\$1,920,683	\$45,553	\$0
\$0	\$0	\$1,925,986	\$45,690	\$0
\$0	\$0	\$2,110,221	\$50,557	\$0
\$0	\$0	\$2,295,182	\$55,442	\$0
\$0	\$0	\$2,480,871	\$60,348	\$0
\$0	\$0	\$2,667,290	\$65,272	\$0
\$0	\$0	\$2,854,443	\$70,216	\$0
\$0	\$0	\$3,042,331	\$75,179	\$0
\$0	\$0	\$3,230,956	\$80,162	\$0
\$0	\$0	\$3,420,320	\$85,164	\$0
\$0	\$0	\$3,610,426	\$90,186	\$0
\$0	\$0	\$3,801,275	\$95,228	\$0
\$0	\$0	\$3,992,871	\$100,289	\$0
\$0	\$0	\$4,185,215	\$105,370	\$0
\$0	\$0	\$4,378,310	\$110,471	\$0
\$0	\$0	\$4,572,157	\$115,592	\$0
\$0	\$0	\$4,766,759	\$120,733	\$0
\$0	\$0	\$4,962,118	\$125,893	\$0
\$0	\$0	\$5,158,237	\$131,074	\$0
\$0	\$0	\$5,355,117	\$136,275	\$0
\$0	\$0	\$5,552,762	\$141,496	\$0
\$0	\$0	\$5,751,173	\$146,737	\$0
\$0	\$0	\$5,950,352	\$151,999	\$0
\$0	\$0	\$6,150,302	\$157,281	\$0
\$0	\$0	\$6,351,025	\$162,584	\$0
\$0	\$0	\$6,552,523	\$167,907	\$0
\$0	\$0	\$6,754,799	\$173,250	\$0
\$0	\$0	\$6,769,771	\$173,642	\$0
\$0	\$0	\$6,784,773	\$174,035	\$0
\$0	\$0	\$6,799,804	\$174,428	\$0
\$0	\$0	\$6,814,866	\$174,823	\$0
\$0	\$0	\$6,829,958	\$175,218	\$0
\$0	\$0	\$6,845,080	\$175,614	\$0
\$0	\$0	\$6,860,232	\$176,011	\$0
\$0	\$0	\$6,875,415	\$176,408	\$0

\$0

Base Scenario		Project Scenario		
Non-CO2 Emissions		Non-CO2 Emissions		
Psgr Car Personal	Trucks	Psgr Car Commute	Psgr Car Personal	Trucks
\$92,574	\$376,785	\$37,819	\$88,210	\$376,785
\$92,759	\$377,538	\$37,819	\$88,387	\$377,538
\$92,945	\$378,293	\$37,819	\$88,563	\$378,293
\$93,130	\$379,050	\$37,819	\$88,740	\$379,050
\$98,796	\$402,177	\$39,202	\$92,148	\$393,099
\$104,485	\$425,395	\$40,590	\$95,569	\$407,204
\$110,195	\$448,705	\$41,983	\$99,003	\$421,363
\$115,928	\$472,106	\$43,382	\$102,450	\$435,577
\$121,683	\$495,598	\$44,787	\$105,911	\$449,847
\$127,461	\$519,183	\$46,197	\$109,385	\$464,171
\$133,262	\$542,861	\$47,613	\$112,873	\$478,552
\$139,085	\$566,630	\$49,035	\$116,374	\$492,987
\$144,931	\$590,493	\$50,462	\$119,889	\$507,479
\$150,800	\$614,449	\$51,895	\$123,417	\$522,027
\$156,692	\$638,499	\$53,333	\$126,959	\$536,631
\$162,607	\$662,642	\$54,777	\$130,515	\$551,291
\$168,545	\$686,879	\$56,227	\$134,084	\$566,008
\$174,506	\$711,210	\$57,683	\$137,667	\$580,781
\$180,490	\$735,636	\$59,145	\$141,264	\$595,611
\$186,497	\$760,157	\$60,612	\$144,875	\$610,498
\$192,527	\$784,773	\$62,085	\$148,499	\$625,443
\$198,581	\$809,485	\$63,563	\$152,138	\$640,444
\$204,659	\$834,292	\$65,048	\$155,790	\$655,504
\$210,760	\$859,195	\$66,538	\$159,457	\$670,621
\$216,884	\$884,195	\$68,035	\$163,137	\$685,795
\$223,033	\$909,291	\$69,537	\$166,832	\$701,028
\$229,204	\$934,484	\$71,045	\$170,541	\$716,319
\$235,400	\$959,774	\$72,559	\$174,264	\$731,668
\$241,620	\$985,161	\$74,079	\$178,001	\$747,076
\$242,103	\$987,131	\$74,151	\$178,357	\$748,570
\$242,587	\$989,106	\$74,224	\$178,714	\$750,067
\$243,072	\$991,084	\$74,297	\$179,071	\$751,567
\$243,558	\$993,066	\$74,370	\$179,429	\$753,071
\$244,046	\$995,052	\$74,443	\$179,788	\$754,577
\$244,534	\$997,042	\$74,516	\$180,148	\$756,086
\$245,023	\$999,036	\$74,589	\$180,508	\$757,598
\$245,513	\$1,001,034	\$74,663	\$180,869	\$759,113
\$6,550,476	\$26,697,487	\$2,155,940	\$5,151,824	\$21,729,340

Base Scenario	Project Scenario
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Non-CO2 Emissions		Non-CO2 Emissions		
Psgr Car Personal	Trucks	Psgr Car Commute	Psgr Car Personal	Trucks
\$0	\$0	\$1,870	\$4,364	\$0
\$0	\$0	\$1,950	\$4,372	\$0
\$0	\$0	\$2,029	\$4,381	\$0
\$0	\$0	\$2,109	\$4,390	\$0
\$0	\$0	\$3,152	\$6,648	\$9,078
\$0	\$0	\$4,200	\$8,916	\$18,191
\$0	\$0	\$5,251	\$11,192	\$27,342
\$0	\$0	\$6,307	\$13,478	\$36,528
\$0	\$0	\$7,366	\$15,773	\$45,752
\$0	\$0	\$8,430	\$18,076	\$55,012
\$0	\$0	\$9,497	\$20,389	\$64,309
\$0	\$0	\$10,569	\$22,711	\$73,643
\$0	\$0	\$11,645	\$25,043	\$83,014
\$0	\$0	\$12,725	\$27,383	\$92,422
\$0	\$0	\$13,809	\$29,733	\$101,868
\$0	\$0	\$14,897	\$32,092	\$111,351
\$0	\$0	\$15,989	\$34,461	\$120,871
\$0	\$0	\$17,086	\$36,838	\$130,429
\$0	\$0	\$18,187	\$39,226	\$140,025
\$0	\$0	\$19,292	\$41,622	\$149,659
\$0	\$0	\$20,401	\$44,028	\$159,331
\$0	\$0	\$21,514	\$46,444	\$169,040
\$0	\$0	\$22,631	\$48,869	\$178,788
\$0	\$0	\$23,753	\$51,303	\$188,575
\$0	\$0	\$24,879	\$53,747	\$198,399
\$0	\$0	\$26,009	\$56,200	\$208,263
\$0	\$0	\$27,144	\$58,664	\$218,165
\$0	\$0	\$28,283	\$61,136	\$228,105
\$0	\$0	\$29,426	\$63,619	\$238,085
\$0	\$0	\$29,560	\$63,746	\$238,561
\$0	\$0	\$29,695	\$63,874	\$239,038
\$0	\$0	\$29,830	\$64,001	\$239,516
\$0	\$0	\$29,965	\$64,129	\$239,995
\$0	\$0	\$30,101	\$64,258	\$240,475
\$0	\$0	\$30,237	\$64,386	\$240,956
\$0	\$0	\$30,373	\$64,515	\$241,438
\$0	\$0	\$30,509	\$64,644	\$241,921
\$0	\$0	\$650,666	\$1,398,653	\$4,968,147

Note about emissions: The fixed factors have value of emissions by VMT and Reduced VMT will reduce emissions, so seems better to connect emissions to
If 1, base emissions on VMT; If 2, base it on VHT

1

\$0
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\$0
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-\$9,078
-\$18,191
-\$27,342
-\$36,528
-\$45,752
-\$55,012
-\$64,309
-\$73,643
-\$83,014
-\$92,422
-\$101,868
-\$111,351
-\$120,871
-\$130,429
-\$140,025
-\$149,659
-\$159,331
-\$169,040
-\$178,788
-\$188,575
-\$198,399
-\$208,263
-\$218,165
-\$228,105
-\$238,085
-\$238,561
-\$239,038
-\$239,516
-\$239,995
-\$240,475
-\$240,956
-\$241,438
-\$241,921
-\$4,968,147

\$0
\$0
\$0
\$0
\$9,078
\$18,191
\$27,342
\$36,528
\$45,752
\$55,012
\$64,309
\$73,643
\$83,014
\$92,422
\$101,868
\$111,351
\$120,871
\$130,429
\$140,025
\$149,659
\$159,331
\$169,040
\$178,788
\$188,575
\$198,399
\$208,263
\$218,165
\$228,105
\$238,085
\$238,561
\$239,038
\$239,516
\$239,995
\$240,475
\$240,956
\$241,438
\$241,921
\$4,968,147

↓ by VHT of delay. This project increases VHT slightly especially in early years, but decreases VMT
↻ VMT and not VHT. Sometimes makes sense to do one or the other, so make switch

T substantially especially in out years.

Benefits Summary

Year	Vehicle Operating Benefit	Truck Time & Reliability Benefit	Value of Personal Time & Reliability	Safety Benefit	Environmental Benefit
2022	\$234,000	-\$758,041	-\$1,000,632	\$1,955,388	\$6,234
2023	\$237,307	-\$1,251,143	-\$649,450	\$1,960,807	\$6,322
2024	\$240,621	-\$1,253,645	-\$650,749	\$1,966,236	\$6,410
2025	\$243,941	-\$1,256,153	-\$652,050	\$1,971,676	\$6,499
2026	\$416,580	-\$1,239,180	-\$327,975	\$2,160,777	\$18,878
2027	\$589,903	-\$1,222,481	-\$2,600	\$2,350,624	\$31,307
2028	\$763,912	-\$1,206,021	\$324,077	\$2,541,218	\$43,785
2029	\$938,608	-\$1,189,768	\$652,060	\$2,732,563	\$56,313
2030	\$1,113,995	-\$1,173,697	\$981,354	\$2,924,659	\$68,890
2031	\$1,290,074	-\$1,157,783	\$1,311,962	\$3,117,510	\$81,518
2032	\$1,466,847	-\$1,142,007	\$1,643,888	\$3,311,118	\$94,196
2033	\$1,644,316	-\$1,126,350	\$1,977,137	\$3,505,484	\$106,923
2034	\$1,822,484	-\$1,110,796	\$2,311,712	\$3,700,612	\$119,702
2035	\$2,001,352	-\$1,095,330	\$2,647,618	\$3,896,503	\$132,530
2036	\$2,180,922	-\$1,079,941	\$2,984,857	\$4,093,160	\$145,410
2037	\$2,361,198	-\$1,064,616	\$3,323,435	\$4,290,585	\$158,340
2038	\$2,542,179	-\$1,049,345	\$3,663,355	\$4,488,781	\$171,321
2039	\$2,723,870	-\$1,034,119	\$4,004,622	\$4,687,749	\$184,354
2040	\$2,906,272	-\$1,018,931	\$4,347,239	\$4,887,491	\$197,437
2041	\$3,089,386	-\$1,003,771	\$4,691,210	\$5,088,011	\$210,573
2042	\$3,273,216	-\$988,634	\$5,036,540	\$5,289,311	\$223,759
2043	\$3,457,763	-\$973,514	\$5,383,232	\$5,491,392	\$236,998
2044	\$3,643,029	-\$958,405	\$5,731,291	\$5,694,258	\$250,288
2045	\$3,829,017	-\$943,301	\$6,080,720	\$5,897,910	\$263,631
2046	\$4,015,729	-\$928,199	\$6,431,524	\$6,102,351	\$277,025
2047	\$4,203,166	-\$913,093	\$6,783,707	\$6,307,583	\$290,472
2048	\$4,391,332	-\$897,980	\$7,137,273	\$6,513,608	\$303,972
2049	\$4,580,228	-\$882,857	\$7,492,226	\$6,720,430	\$317,524
2050	\$4,769,856	-\$867,720	\$7,848,571	\$6,928,049	\$331,129
2051	\$4,782,235	-\$869,455	\$7,864,268	\$6,943,413	\$331,867
2052	\$4,794,638	-\$871,194	\$7,879,996	\$6,958,807	\$332,607
2053	\$4,807,067	-\$872,936	\$7,895,756	\$6,974,233	\$333,348
2054	\$4,819,520	-\$874,682	\$7,911,548	\$6,989,689	\$334,090
2055	\$4,831,998	-\$876,432	\$7,927,371	\$7,005,176	\$334,834
2056	\$4,844,502	-\$878,185	\$7,943,226	\$7,020,694	\$335,579
2057	\$4,857,030	-\$879,941	\$7,959,112	\$7,036,243	\$336,326
2058	\$4,869,583	-\$881,701	\$7,975,030	\$7,051,823	\$337,074
Total	\$103,577,677	-\$37,791,348	\$152,862,461	\$176,555,924	\$7,017,465

Note: Click plus sign at left to expand hidden rows

Benefits Undiscounted (in \$millions)

Year	Vehicle Operating Benefit	Business (Freight) Time & Reliability Benefit	Value of Personal Time & Reliability	Safety Benefit	Env Benefit	Total Benefits
2022	\$0.23	-\$0.76	-\$1.00	\$1.96	\$0.01	\$0.44
2023	\$0.24	-\$1.25	-\$0.65	\$1.96	\$0.01	\$0.30
2024	\$0.24	-\$1.25	-\$0.65	\$1.97	\$0.01	\$0.31
2025	\$0.24	-\$1.26	-\$0.65	\$1.97	\$0.01	\$0.31
2026	\$0.42	-\$1.24	-\$0.33	\$2.16	\$0.02	\$1.03
2027	\$0.59	-\$1.22	\$0.00	\$2.35	\$0.03	\$1.75
2028	\$0.76	-\$1.21	\$0.32	\$2.54	\$0.04	\$2.47
2029	\$0.94	-\$1.19	\$0.65	\$2.73	\$0.06	\$3.19
2030	\$1.11	-\$1.17	\$0.98	\$2.92	\$0.07	\$3.92
2031	\$1.29	-\$1.16	\$1.31	\$3.12	\$0.08	\$4.64
2032	\$1.47	-\$1.14	\$1.64	\$3.31	\$0.09	\$5.37
2033	\$1.64	-\$1.13	\$1.98	\$3.51	\$0.11	\$6.11
2034	\$1.82	-\$1.11	\$2.31	\$3.70	\$0.12	\$6.84
2035	\$2.00	-\$1.10	\$2.65	\$3.90	\$0.13	\$7.58
2036	\$2.18	-\$1.08	\$2.98	\$4.09	\$0.15	\$8.32
2037	\$2.36	-\$1.06	\$3.32	\$4.29	\$0.16	\$9.07
2038	\$2.54	-\$1.05	\$3.66	\$4.49	\$0.17	\$9.82
2039	\$2.72	-\$1.03	\$4.00	\$4.69	\$0.18	\$10.57
2040	\$2.91	-\$1.02	\$4.35	\$4.89	\$0.20	\$11.32
2041	\$3.09	-\$1.00	\$4.69	\$5.09	\$0.21	\$12.08
2042	\$3.27	-\$0.99	\$5.04	\$5.29	\$0.22	\$12.83
2043	\$3.46	-\$0.97	\$5.38	\$5.49	\$0.24	\$13.60
2044	\$3.64	-\$0.96	\$5.73	\$5.69	\$0.25	\$14.36
2045	\$3.83	-\$0.94	\$6.08	\$5.90	\$0.26	\$15.13
2046	\$4.02	-\$0.93	\$6.43	\$6.10	\$0.28	\$15.90
2047	\$4.20	-\$0.91	\$6.78	\$6.31	\$0.29	\$16.67
2048	\$4.39	-\$0.90	\$7.14	\$6.51	\$0.30	\$17.45
2049	\$4.58	-\$0.88	\$7.49	\$6.72	\$0.32	\$18.23
2050	\$4.77	-\$0.87	\$7.85	\$6.93	\$0.33	\$19.01
2051	\$4.78	-\$0.87	\$7.86	\$6.94	\$0.33	\$19.05
2052	\$4.79	-\$0.87	\$7.88	\$6.96	\$0.33	\$19.09
2053	\$4.81	-\$0.87	\$7.90	\$6.97	\$0.33	\$19.14
2054	\$4.82	-\$0.87	\$7.91	\$6.99	\$0.33	\$19.18
2055	\$4.83	-\$0.88	\$7.93	\$7.01	\$0.33	\$19.22
2056	\$4.84	-\$0.88	\$7.94	\$7.02	\$0.34	\$19.27
2057	\$4.86	-\$0.88	\$7.96	\$7.04	\$0.34	\$19.31
2058	\$4.87	-\$0.88	\$7.98	\$7.05	\$0.34	\$19.35
Total	\$104	-\$38	\$153	\$177	\$7	\$402

Benefits Discounted at 3% (in \$millions)

Year	Vehicle Operating Benefit	Business (Freight) Time & Reliability Benefit	Value of Personal Time & Reliability	Safety Benefit	Env Benefit	Total Benefits	Discount Factor 3%	Year
2022	\$0.20	-\$0.65	-\$0.86	\$1.69	\$0.01	\$0.38	0.86	2022
2023	\$0.20	-\$1.05	-\$0.54	\$1.64	\$0.01	\$0.25	0.84	2023
2024	\$0.20	-\$1.02	-\$0.53	\$1.60	\$0.01	\$0.25	0.81	2024
2025	\$0.19	-\$0.99	-\$0.51	\$1.56	\$0.01	\$0.25	0.79	2025
2026	\$0.32	-\$0.95	-\$0.25	\$1.66	\$0.01	\$0.79	0.77	2026
2027	\$0.44	-\$0.91	\$0.00	\$1.75	\$0.02	\$1.30	0.74	2027
2028	\$0.55	-\$0.87	\$0.23	\$1.84	\$0.03	\$1.78	0.72	2028
2029	\$0.66	-\$0.83	\$0.46	\$1.92	\$0.04	\$2.24	0.70	2029
2030	\$0.76	-\$0.80	\$0.67	\$1.99	\$0.05	\$2.67	0.68	2030
2031	\$0.85	-\$0.77	\$0.87	\$2.06	\$0.05	\$3.07	0.66	2031
2032	\$0.94	-\$0.73	\$1.06	\$2.13	\$0.06	\$3.45	0.64	2032
2033	\$1.02	-\$0.70	\$1.23	\$2.18	\$0.07	\$3.81	0.62	2033
2034	\$1.10	-\$0.67	\$1.40	\$2.24	\$0.07	\$4.14	0.61	2034
2035	\$1.18	-\$0.64	\$1.56	\$2.29	\$0.08	\$4.45	0.59	2035
2036	\$1.24	-\$0.62	\$1.70	\$2.33	\$0.08	\$4.75	0.57	2036
2037	\$1.31	-\$0.59	\$1.84	\$2.38	\$0.09	\$5.02	0.55	2037
2038	\$1.37	-\$0.56	\$1.97	\$2.41	\$0.09	\$5.28	0.54	2038
2039	\$1.42	-\$0.54	\$2.09	\$2.45	\$0.10	\$5.51	0.52	2039
2040	\$1.47	-\$0.52	\$2.20	\$2.48	\$0.10	\$5.74	0.51	2040
2041	\$1.52	-\$0.49	\$2.31	\$2.50	\$0.10	\$5.94	0.49	2041
2042	\$1.56	-\$0.47	\$2.41	\$2.53	\$0.11	\$6.13	0.48	2042
2043	\$1.60	-\$0.45	\$2.50	\$2.55	\$0.11	\$6.30	0.46	2043
2044	\$1.64	-\$0.43	\$2.58	\$2.56	\$0.11	\$6.46	0.45	2044
2045	\$1.67	-\$0.41	\$2.66	\$2.58	\$0.12	\$6.61	0.44	2045
2046	\$1.70	-\$0.39	\$2.73	\$2.59	\$0.12	\$6.75	0.42	2046
2047	\$1.73	-\$0.38	\$2.79	\$2.60	\$0.12	\$6.87	0.41	2047
2048	\$1.76	-\$0.36	\$2.85	\$2.61	\$0.12	\$6.98	0.40	2048
2049	\$1.78	-\$0.34	\$2.91	\$2.61	\$0.12	\$7.08	0.39	2049
2050	\$1.80	-\$0.33	\$2.96	\$2.61	\$0.12	\$7.17	0.38	2050
2051	\$1.75	-\$0.32	\$2.88	\$2.54	\$0.12	\$6.97	0.37	2051
2052	\$1.70	-\$0.31	\$2.80	\$2.47	\$0.12	\$6.79	0.36	2052
2053	\$1.66	-\$0.30	\$2.72	\$2.41	\$0.12	\$6.60	0.35	2053
2054	\$1.61	-\$0.29	\$2.65	\$2.34	\$0.11	\$6.43	0.33	2054
2055	\$1.57	-\$0.29	\$2.58	\$2.28	\$0.11	\$6.25	0.33	2055
2056	\$1.53	-\$0.28	\$2.51	\$2.22	\$0.11	\$6.08	0.32	2056
2057	\$1.49	-\$0.27	\$2.44	\$2.16	\$0.10	\$5.92	0.31	2057
2058	\$1.45	-\$0.26	\$2.37	\$2.10	\$0.10	\$5.76	0.30	2058
Total	\$45	-\$21	\$62	\$83	\$3	\$172		Total



35-Year Benefit Summary Based on Initial \$20.2m Cost							
Discount Rate	Veh. Op. Cost	Time & Reliability	Improved Safety	Env. Benefit	Total Benefit	Total Cost	Benefit / Cost Ratio
7%	\$17	\$10	\$36	\$1	\$63	\$15	4.2
3%	\$45	\$41	\$83	\$3	\$172	\$17	9.9

Benefits Discounted at 7%(in \$millions)

Vehicle Operating Benefit	Business (Freight) Time & Reliability Benefit	Value of Personal Time & Reliability	Safety Benefit	Env Benefit	Total Benefits
\$0.17	-\$0.54	-\$0.71	\$1.39	\$0.00	\$0.31
\$0.16	-\$0.83	-\$0.43	\$1.31	\$0.00	\$0.20
\$0.15	-\$0.78	-\$0.41	\$1.22	\$0.00	\$0.19
\$0.14	-\$0.73	-\$0.38	\$1.15	\$0.00	\$0.18
\$0.23	-\$0.67	-\$0.18	\$1.18	\$0.01	\$0.56
\$0.30	-\$0.62	\$0.00	\$1.19	\$0.02	\$0.89
\$0.36	-\$0.57	\$0.15	\$1.21	\$0.02	\$1.17
\$0.42	-\$0.53	\$0.29	\$1.21	\$0.03	\$1.42
\$0.46	-\$0.49	\$0.41	\$1.21	\$0.03	\$1.62
\$0.50	-\$0.45	\$0.51	\$1.21	\$0.03	\$1.80
\$0.53	-\$0.41	\$0.60	\$1.20	\$0.03	\$1.95
\$0.56	-\$0.38	\$0.67	\$1.19	\$0.04	\$2.07
\$0.58	-\$0.35	\$0.73	\$1.17	\$0.04	\$2.17
\$0.59	-\$0.32	\$0.78	\$1.15	\$0.04	\$2.24
\$0.60	-\$0.30	\$0.83	\$1.13	\$0.04	\$2.30
\$0.61	-\$0.28	\$0.86	\$1.11	\$0.04	\$2.34
\$0.61	-\$0.25	\$0.88	\$1.08	\$0.04	\$2.37
\$0.61	-\$0.23	\$0.90	\$1.06	\$0.04	\$2.38
\$0.61	-\$0.21	\$0.92	\$1.03	\$0.04	\$2.39
\$0.61	-\$0.20	\$0.92	\$1.00	\$0.04	\$2.38
\$0.60	-\$0.18	\$0.93	\$0.97	\$0.04	\$2.36
\$0.60	-\$0.17	\$0.93	\$0.95	\$0.04	\$2.34
\$0.59	-\$0.15	\$0.92	\$0.92	\$0.04	\$2.31
\$0.58	-\$0.14	\$0.91	\$0.89	\$0.04	\$2.28
\$0.56	-\$0.13	\$0.90	\$0.86	\$0.04	\$2.23
\$0.55	-\$0.12	\$0.89	\$0.83	\$0.04	\$2.19
\$0.54	-\$0.11	\$0.88	\$0.80	\$0.04	\$2.14
\$0.53	-\$0.10	\$0.86	\$0.77	\$0.04	\$2.09
\$0.51	-\$0.09	\$0.84	\$0.74	\$0.04	\$2.04
\$0.48	-\$0.09	\$0.79	\$0.70	\$0.03	\$1.91
\$0.45	-\$0.08	\$0.74	\$0.65	\$0.03	\$1.79
\$0.42	-\$0.08	\$0.69	\$0.61	\$0.03	\$1.68
\$0.39	-\$0.07	\$0.65	\$0.57	\$0.03	\$1.57
\$0.37	-\$0.07	\$0.61	\$0.54	\$0.03	\$1.47
\$0.35	-\$0.06	\$0.57	\$0.50	\$0.02	\$1.38
\$0.32	-\$0.06	\$0.53	\$0.47	\$0.02	\$1.29
\$0.30	-\$0.06	\$0.50	\$0.44	\$0.02	\$1.21
\$17	-\$11	\$20	\$36	\$1.11	\$63

	NB O&M	Build Cap Cost	Build O&M	O&M Savings	Net Cost
Undisc.	1,845,358	20,207,000	1,010,530	(834,828)	19,372,172
3% Disc.	1,349,605	17,989,712	777,008	(572,597)	17,417,115
7% Disc	965,011	15,497,749	599,513	(365,499)	15,132,250

Same as above, but rounded

	NB O&M	Build Cap Cost	Build O&M	Build O&M	Build Net Cost
7% Disc	\$970,000	\$15,500,000	\$600,000	-\$370,000	\$15,130,000
3% Disc.	\$1,350,000	\$17,990,000	\$780,000	-\$570,000	\$17,420,000
Undisc.	\$1,850,000	\$20,210,000	\$1,010,000	-\$830,000	\$19,370,000

**Discount
Factor, 7%**

0.71

0.67

0.62

0.58

0.54

0.51

0.48

0.44

0.41

0.39

0.36

0.34

0.32

0.30

0.28

0.26

0.24

0.23

0.21

0.20

0.18

0.17

0.16

0.15

0.14

0.13

0.12

0.11

0.11

0.10

0.09

0.09

0.08

0.08

0.07

0.07

0.06

Net (Millions)
15.13
17.42
19.37

Fixed Factors

Facility	Mode	Purpose	Vehicle Operating Cost \$/Mile (Free Flow)
Road	Passenger Car	Business	0.34
Road	Passenger Car	Personal	0.34
Road	All Trucks	Freight	0.74

Facility	Mode	Purpose	Avg. Fuel Consump. Gallon/Mile (FF)
Road	Passenger Car	Business	0.0454
Road	Passenger Car	Personal	0.0454
Road	All Trucks	Freight	0.1559

Mode	Purpose	Value Per Hr (per occupant)	Buffer Time (\$hr per)
Passenger Car	Business	\$26.5	\$26.5
Passenger Car	Personal	\$14.8	\$14.8
All Trucks	Freight	\$28.6	\$72.6

Purpose	Tons per VMT VOC
Business/Auto	0.0000011397899
Personal/Auto	0.0000011397899
Freight/Truck	0.0000004927332

Purpose	Tons per VMT Congested VOC
Business/Auto	0.0000011397900
Personal/Auto	0.0000011397900
Freight/Truck	0.0000006898260

Monetary Value of Emissions (2016\$/VMT)	
Purpose	\$ per VMT
Business/Auto	0.0103898904
Personal/Auto	0.0103898904
Freight/Truck	0.1677580356

Purpose	Tons per VHT (Congested) VOC
Business/Auto	0.0000034194
Personal/Auto	0.0000034194
Freight/Truck	0.0000020695

Monetary Value of Emissions (
VOCs	NOx
\$2,000	\$8,300

[Source: USDOT BCA Guidance](#)

Monetary Value of Emissions (2016\$/hour of delay)	
Purpose	\$ per VHT
Business/Auto	0.0311697226
Personal/Auto	0.0311697226
Freight/Truck	0.7045838381

Vehicle Operating Cost \$/Mile (Congested)	Vehicle Operating Cost \$/hour (Congested or Idle)	\$ per Fatality	\$ per Personal Injury	\$ per Property Damage Accident
0.34	5.02	\$9,600,000	\$174,000	\$4,300
0.34	5.02	\$9,600,000	\$174,000	\$4,300
0.68	22.56	\$9,600,000	\$174,000	\$4,300

Avg. Fuel Consump. Gallon/Mile (Cong.)	Avg. Fuel Consump. Gallon/hr (Cong. or Idle)
0.0522	0.0522
0.0522	0.0522
0.2183	0.2183

Fuel Type	\$ per Gallon
Diesel	\$3.01
Gasoline	\$2.32

Per Occupant
Per Occupant
Per Vehicle

Mode	Purpose	Avg. Occupancy
Passenger Car	Business	1.68
Passenger Car	Personal	1.68
All Trucks	Freight	1.00

Tons per VMT NOX	Tons per VMT SOX	Tons per VMT PM
0.0000007639017	0.000000000000000	0.0000000046848
0.0000007639017	0.000000000000000	0.0000000046848
0.0000094942073	0.0000000062832	0.0000002320365

Tons per VMT Congested NOX	Tons per VMT Congested SOX	Tons per VMT Congested PM
0.0000007639020	0.000000000000000	0.0000000046848
0.0000007639020	0.000000000000000	0.0000000046848
0.0000132919004	0.0000000087964	0.0000003248510

\$ per VMT Congested
0.0103898916
0.0103898916
0.2348612737

Tons per VHT (Congested) NOX	Tons per VHT (Congested) SOX	Tons per VHT (Congested) PM
0.00000229171	0.00000000000	0.00000001405
0.00000229171	0.00000000000	0.00000001405
0.00003987570	0.00000002639	0.00000097455

Notes:
SOX emissions for cars are negligible
Trucks emit lower levels of VOC on a

2016\$/short ton)	
SOx	PM
\$48,900	\$377,800



Vehicle Operating Cost \$/mile per Federal guidance (12/18) - Fuel + Non-Fuel

Road	Passenger Car	Business
Road	Passenger Car	Personal
Road	All Trucks	Freight

Freight Tons per Veh.	Freight Logistics Factor (\$/hr per U.S. Ton)
24.05	1.18918919

average than cars because of engine and fuel type

el = Total

0.39

0.39

0.9

Overall Traffic Growth Rate (All Trips)

Annual values

Modes/Purposes		Vehicle Trips (Peak)	Vehicle Trips (Off-Pk)
Base Case	Passenger Car - Commuting	1,170,000	1,170,000
	Passenger Car - Other	780,000	4,680,000
	Transit Bus - Commuting	-	-
	Transit Bus - Other	-	-
	Freight Truck	54,000	220,000
	Delivery Truck	221,000	882,000
	ALL MODES/PURPOSES	2,228,000	6,952,000
	#REF!	-	
Build Case	Passenger Car - Commuting	1,150,000	1,150,000
	Passenger Car - Other	770,000	4,580,000
	Transit Bus - Commuting	-	-
	Transit Bus - Other	-	-
	Freight Truck	53,000	212,000
	Delivery Truck	212,000	850,000
	ALL MODES/PURPOSES	2,188,000	6,792,000

Legend:

Peach = Non-formula input values & assumptions

Green = Non-formula inputs, transferred to this location for convenience

Yellow = Key final values

	Veh.Trips	VMT
	9,180,000	36,967,000
	8,980,000	27,355,000
	Annual Veh.Trips	Annual VMT
Without 300 West project	9,180,000	36,970,000
With 300 West project	8,980,000	27,360,000
After, Relative to Before	98%	74%

Background Plus Regionally Displaced

Vehicle Hours (Peak)	Vehicle Hours (Off-Pk)	Vehicle Miles (Peak)	Vehicle Miles (Off-Pk)	% VMT Congested (Peak)	% VMT Congested (O.Pk)
170,000	170,000	4,710,000	4,710,000	0.75	0.1
120,000	720,000	3,140,000	18,850,000	0.75	0.1
-	-	-	-	0	0
-	-	-	-	0	0
10,000	37,000	218,000	873,000	0.75	0.1
38,000	152,000	892,000	3,570,000	0.75	0.1
338,000	1,079,000	8,961,000	28,006,000	0	0
-	-	-	-	0	0
150,000	150,000	3,470,000	3,470,000	0.55	0.1
100,000	610,000	2,310,000	13,890,000	0.55	0.1
-	-	-	-	0	0
-	-	-	-	0	0
8,000	30,000	168,000	673,000	0.55	0.1
30,000	144,000	674,000	2,696,000	0.55	0.1
288,000	932,000	6,623,000	20,732,000	0	0

Crash Rates per Million VMT

	No Build	Build Best Case	Build Worst Case
PDO/MVMT	2.10	1.26	1.45
Minor Inj/MVMT	0.90	0.48	0.56
Moderate Inj/MVMT	0.84	0.45	0.53
Serious Inj/MVMT	0.10	0.06	0.07
Fatal / MVMT	-	-	-
Non-Fatal/MVMT	1.84	0.99	1.15

Background + Regionally Displaced

Expected Accidents in the 35th Year			
Type	No Build	Build	Reduction
Property Damage	78	40	-49%
Injuries	68	32	-54%
Fatalities	Not Claimed	N/A	N/A

Minor Inj	33	13	15
Moderate Inj	31	12	14
Serious Inj	4	2	2

VHT

1,417,000
1,220,000

Annual VHT	Implied MPH
1,420,000	26
1,220,000	22
86%	86%

Million
VMT

9.42
21.99

1.091
4.462
36.967

		Vehicle Trips (Peak)
Modes/Purposes		
Base Case	Passenger Car - Commuting	800,000
	Passenger Car - Other	530,000
	Transit Bus - Commuting	-
	Transit Bus - Other	-
	Freight Truck	37,000
	Delivery Truck	150,000
	ALL MODES/PURPOSES	1,520,000

6.94
16.2
0
0
0.841
3.37
27.355

Build Case	Passenger Car - Commuting	760,000
	Passenger Car - Other	510,000
	Transit Bus - Commuting	-
	Transit Bus - Other	-
	Freight Truck	37,000
	Delivery Truck	150,000
	ALL MODES/PURPOSES	1,460,000

Background Traffic

Vehicle Trips (Off-Pk)	Vehicle Hours (Peak)	Vehicle Hours (Off-Pk)	Vehicle Miles (Peak)	Vehicle Miles (Off-Pk)	% VMT Congested (Peak)
800,000	70,000	70,000	1,910,000	1,910,000	0.75
3,180,000	50,000	300,000	1,270,000	7,640,000	0.75
-	-	-	-	-	0
-	-	-	-	-	0
150,000	4,000	15,000	87,000	349,000	0.75
600,000	16,000	65,000	362,000	1,448,000	0.75
4,730,000	140,000	450,000	3,630,000	11,350,000	0

760,000	80,000	80,000	1,820,000	1,820,000	0.55
3,030,000	50,000	320,000	1,210,000	7,280,000	0.55
-	-	-	-	-	0
-	-	-	-	-	0
150,000	4,000	15,000	87,000	349,000	0.55
600,000	16,000	87,000	362,000	1,448,000	0.55
4,540,000	150,000	500,000	3,480,000	10,900,000	0

% VMT Congested (O.Pk)	Million VMT
0.1	3.82
0.1	8.91
0	
0	
0.1	0.436
0.1	1.81
0	14.98

Modes/Purposes		Vehicle Trips (Peak)
Base Case	Passenger Car - Commuting	370,000
	Passenger Car - Other	250,000
	Transit Bus - Commuting	-
	Transit Bus - Other	-
	Freight Truck	17,000
	Delivery Truck	71,000
	ALL MODES/PURPOSES	708,000

#REF!

0.1	3.64
0.1	8.49
0	0
0	0
0.1	0.436
0.1	1.81
0	14.38

Build Case	Passenger Car - Commuting	390,000
	Passenger Car - Other	260,000
	Transit Bus - Commuting	-
	Transit Bus - Other	-
	Freight Truck	16,000
	Delivery Truck	62,000
	ALL MODES/PURPOSES	728,000

3,307,000

3,307,000

Trips Attracted to More Efficient Location

Vehicle Trips (Off-Pk)	Vehicle Hours (Peak)	Vehicle Hours (Off-Pk)	Vehicle Miles (Peak)	Vehicle Miles (Off-Pk)	% VMT Congested (Peak)
370,000	100,000	100,000	2,800,000	2,800,000	0.75
1,500,000	70,000	420,000	1,870,000	11,210,000	0.75
-	-	-	-	-	0
-	-	-	-	-	0
70,000	6,000	22,000	131,000	524,000	0.75
282,000	22,000	87,000	530,000	2,122,000	0.75
2,222,000	198,000	629,000	5,331,000	16,656,000	0
0	0	0	0	0	0
390,000	70,000	70,000	1,650,000	1,650,000	0.55
1,550,000	50,000	290,000	1,100,000	6,610,000	0.55
-	-	-	-	-	0
-	-	-	-	-	0
62,000	4,000	15,000	81,000	324,000	0.55
250,000	14,000	57,000	312,000	1,248,000	0.55
2,252,000	138,000	432,000	3,143,000	9,832,000	0

% VMT Congested (O.Pk)	Million VMT
0.1	5.6
0.1	13.08
0	
0	
0.1	0.655
0.1	2.652
0	21.987
0	
0.1	3.3
0.1	7.71
0	0
0	0
0.1	0.405
0.1	1.56
0	12.975

OBJECTID	CRASH_ID	CRASH_DATE	Calendar Year	COUNTY_ID	CITY
159232	10948847.000000000000	2-Dec-16	2016	35.000000000000	SALT LAKE
5191	10363692.000000000000	13-Apr-10	2010	35.000000000000	SALT LAKE
72621	10610754.000000000000	28-Jun-13	2013	35.000000000000	SALT LAKE
2992	10357065.000000000000	3-Mar-10	2010	35.000000000000	SALT LAKE
9205	10388485.000000000000	27-Jun-10	2010	35.000000000000	SALT LAKE
11348	10393147.000000000000	6-Aug-10	2010	35.000000000000	SALT LAKE
12135	10394946.000000000000	21-Aug-10	2010	35.000000000000	SALT LAKE
15699	10401646.000000000000	22-Oct-10	2010	35.000000000000	SALT LAKE
44547	10502195.000000000000	27-Mar-12	2012	35.000000000000	SALT LAKE
46655	10513276.000000000000	9-May-12	2012	35.000000000000	SALT LAKE
52263	10533941.000000000000	20-Aug-12	2012	35.000000000000	SALT LAKE
56625	10543431.000000000000	1-Nov-12	2012	35.000000000000	SALT LAKE
62571	10577494.000000000000	21-Jan-13	2013	35.000000000000	SALT LAKE
63685	10582373.000000000000	30-Jan-13	2013	35.000000000000	SALT LAKE
64666	10584025.000000000000	13-Feb-13	2013	35.000000000000	SALT LAKE
65181	10584522.000000000000	22-Feb-13	2013	35.000000000000	SALT LAKE
65689	10585089.000000000000	27-Feb-13	2013	35.000000000000	SALT LAKE
70296	10580546.000000000000	20-May-13	2013	35.000000000000	SALT LAKE
77335	10610235.000000000000	12-Sep-13	2013	35.000000000000	SALT LAKE
82590	10597471.000000000000	2-Dec-13	2013	35.000000000000	SALT LAKE
101369	10661755.000000000000	16-Sep-14	2014	35.000000000000	SALT LAKE
103630	10677170.000000000000	19-Oct-14	2014	35.000000000000	SALT LAKE
134472	10806501.000000000000	4-Jan-16	2016	35.000000000000	SALT LAKE
136143	10818152.000000000000	26-Jan-16	2016	35.000000000000	SALT LAKE
139863	10896062.000000000000	19-Mar-16	2016	35.000000000000	SALT LAKE
140208	10861204.000000000000	24-Mar-16	2016	35.000000000000	SALT LAKE
140537	10833315.000000000000	29-Mar-16	2016	35.000000000000	SALT LAKE
149441	10950908.000000000000	31-Jul-16	2016	35.000000000000	SALT LAKE
168	10351376.000000000000	4-Jan-10	2010	35.000000000000	SALT LAKE
83750	10598570.000000000000	10-Dec-13	2013	35.000000000000	SALT LAKE
89186	10616499.000000000000	28-Feb-14	2014	35.000000000000	SALT LAKE
92641	10631113.000000000000	28-Apr-14	2014	35.000000000000	SALT LAKE
110760	10710237.000000000000	1-Feb-15	2015	35.000000000000	SALT LAKE
151864	10950884.000000000000	1-Sep-16	2016	35.000000000000	SALT LAKE
110267	10697966.000000000000	23-Jan-15	2015	35.000000000000	SALT LAKE
129903	10788481.000000000000	9-Nov-15	2015	35.000000000000	SALT LAKE
134984	10862696.000000000000	11-Jan-16	2016	35.000000000000	SALT LAKE
45060	10502854.000000000000	6-Apr-12	2012	35.000000000000	SALT LAKE
104989	10678011.000000000000	8-Nov-14	2014	35.000000000000	SALT LAKE
10811	10392211.000000000000	28-Jul-10	2010	35.000000000000	SALT LAKE
41537	10494890.000000000000	1-Feb-12	2012	35.000000000000	SALT LAKE
53325	10536635.000000000000	6-Sep-12	2012	35.000000000000	SALT LAKE
68101	10587077.000000000000	11-Apr-13	2013	35.000000000000	SALT LAKE
97383	10646325.000000000000	14-Jul-14	2014	35.000000000000	SALT LAKE

112079	10705767.000000000000	24-Feb-15	2015	35.000000000000	SALT LAKE
114267	10725164.000000000000	26-Mar-15	2015	35.000000000000	SALT LAKE
117994	10741644.000000000000	20-May-15	2015	35.000000000000	SALT LAKE
118869	10733649.000000000000	3-Jun-15	2015	35.000000000000	SALT LAKE
124321	10755193.000000000000	24-Aug-15	2015	35.000000000000	SALT LAKE
137149	10817114.000000000000	5-Feb-16	2016	35.000000000000	SALT LAKE
138961	10825481.000000000000	5-Mar-16	2016	35.000000000000	SALT LAKE
141006	10834979.000000000000	4-Apr-16	2016	35.000000000000	SALT LAKE
155182	10889224.000000000000	13-Oct-16	2016	35.000000000000	SALT LAKE
776	10354111.000000000000	17-Jan-10	2010	35.000000000000	SALT LAKE
13497	10397546.000000000000	15-Sep-10	2010	35.000000000000	SALT LAKE
20779	10418258.000000000000	3-Jan-11	2011	35.000000000000	SALT LAKE
90849	10624320.000000000000	29-Mar-14	2014	35.000000000000	SALT LAKE
113885	10725660.000000000000	20-Mar-15	2015	35.000000000000	SALT LAKE
127464	10786123.000000000000	6-Oct-15	2015	35.000000000000	SALT LAKE
139348	10827041.000000000000	11-Mar-16	2016	35.000000000000	SALT LAKE
147790	10872492.000000000000	8-Jul-16	2016	35.000000000000	SALT LAKE
75522	10637080.000000000000	16-Aug-13	2013	35.000000000000	SALT LAKE
132695	10799725.000000000000	14-Dec-15	2015	35.000000000000	SALT LAKE
139669	10950918.000000000000	16-Mar-16	2016	35.000000000000	SALT LAKE
111013	10701293.000000000000	6-Feb-15	2015	35.000000000000	SALT LAKE
93794	10633624.000000000000	16-May-14	2014	35.000000000000	SALT LAKE
76517	10628477.000000000000	30-Aug-13	2013	35.000000000000	SALT LAKE
109894	10696537.000000000000	16-Jan-15	2015	35.000000000000	SALT LAKE
4626	10359592.000000000000	2-Apr-10	2010	35.000000000000	SALT LAKE
14347	10399005.000000000000	29-Sep-10	2010	35.000000000000	SALT LAKE
16142	10402509.000000000000	29-Oct-10	2010	35.000000000000	SALT LAKE
29183	10440267.000000000000	29-Jun-11	2011	35.000000000000	SOUTH SAL
33929	10448252.000000000000	22-Sep-11	2011	35.000000000000	SOUTH SAL
35338	10456882.000000000000	16-Oct-11	2011	35.000000000000	SOUTH SAL
39610	10465914.000000000000	23-Dec-11	2011	35.000000000000	SOUTH SAL
40273	10490410.000000000000	7-Jan-12	2012	35.000000000000	SOUTH SAL
40870	10491990.000000000000	18-Jan-12	2012	35.000000000000	SOUTH SAL
42541	10497377.000000000000	20-Feb-12	2012	35.000000000000	SOUTH SAL
43092	10498409.000000000000	1-Mar-12	2012	35.000000000000	SALT LAKE
47221	10522261.000000000000	19-May-12	2012	35.000000000000	SALT LAKE
47995	10527950.000000000000	2-Jun-12	2012	35.000000000000	SOUTH SAL
48327	10529352.000000000000	10-Jun-12	2012	35.000000000000	SOUTH SAL
54802	10540225.000000000000	1-Oct-12	2012	35.000000000000	SOUTH SAL
57996	10548599.000000000000	21-Nov-12	2012	35.000000000000	SOUTH SAL
61310	10566915.000000000000	8-Jan-13	2013	35.000000000000	SOUTH SAL
66028	10585333.000000000000	6-Mar-13	2013	35.000000000000	SALT LAKE
67523	10586594.000000000000	1-Apr-13	2013	35.000000000000	SALT LAKE
78321	10614196.000000000000	27-Sep-13	2013	35.000000000000	SOUTH SAL
81145	10589037.000000000000	8-Nov-13	2013	35.000000000000	SALT LAKE
89190	10617473.000000000000	28-Feb-14	2014	35.000000000000	SALT LAKE
92451	10628554.000000000000	25-Apr-14	2014	35.000000000000	SALT LAKE

94875	10637637.00000000000	3-Jun-14	2014	35.00000000000	SALT LAKE
117136	10768727.00000000000	8-May-15	2015	35.00000000000	SALT LAKE
118038	10729946.00000000000	21-May-15	2015	35.00000000000	SOUTH SAL
122089	10766552.00000000000	22-Jul-15	2015	35.00000000000	SOUTH SAL
127212	10781782.00000000000	2-Oct-15	2015	35.00000000000	SALT LAKE
141242	10846447.00000000000	8-Apr-16	2016	35.00000000000	SALT LAKE
147307	10859674.00000000000	30-Jun-16	2016	35.00000000000	SALT LAKE
147469	10872500.00000000000	3-Jul-16	2016	35.00000000000	SALT LAKE
160262	10921800.00000000000	15-Dec-16	2016	35.00000000000	SALT LAKE
76408	10566538.00000000000	29-Aug-13	2013	35.00000000000	SOUTH SAL
90397	10621159.00000000000	22-Mar-14	2014	35.00000000000	SALT LAKE
10167	10351099.00000000000	15-Jul-10	2010	35.00000000000	SALT LAKE
19432	10375190.00000000000	17-Dec-10	2010	35.00000000000	SALT LAKE
88038	10612750.00000000000	7-Feb-14	2014	35.00000000000	SALT LAKE
96767	10643943.00000000000	3-Jul-14	2014	35.00000000000	SALT LAKE
103781	10674988.00000000000	22-Oct-14	2014	35.00000000000	SALT LAKE
138314	10823256.00000000000	24-Feb-16	2016	35.00000000000	SALT LAKE
144275	10850192.00000000000	19-May-16	2016	35.00000000000	SALT LAKE
78865	10576237.00000000000	5-Oct-13	2013	35.00000000000	SOUTH SAL
90973	10624987.00000000000	1-Apr-14	2014	35.00000000000	SOUTH SAL
46855	10456546.00000000000	13-May-12	2012	35.00000000000	SOUTH SAL
5441	10365626.00000000000	19-Apr-10	2010	35.00000000000	SALT LAKE
71511	10590678.00000000000	10-Jun-13	2013	35.00000000000	SALT LAKE
376	10352172.00000000000	8-Jan-10	2010	35.00000000000	SALT LAKE
634	10353391.00000000000	14-Jan-10	2010	35.00000000000	SALT LAKE
3117	10357228.00000000000	5-Mar-10	2010	35.00000000000	SALT LAKE
3135	10357217.00000000000	5-Mar-10	2010	35.00000000000	SALT LAKE
3984	10359806.00000000000	22-Mar-10	2010	35.00000000000	SALT LAKE
4090	10360220.00000000000	25-Mar-10	2010	35.00000000000	SALT LAKE
4123	10360224.00000000000	25-Mar-10	2010	35.00000000000	SALT LAKE
6232	10370426.00000000000	3-May-10	2010	35.00000000000	SALT LAKE
6736	10371218.00000000000	12-May-10	2010	35.00000000000	SALT LAKE
6824	10371365.00000000000	14-May-10	2010	35.00000000000	SALT LAKE
8359	10385043.00000000000	10-Jun-10	2010	35.00000000000	SALT LAKE
9003	10387995.00000000000	24-Jun-10	2010	35.00000000000	SALT LAKE
9634	10370090.00000000000	5-Jul-10	2010	35.00000000000	SALT LAKE
9671	10374283.00000000000	6-Jul-10	2010	35.00000000000	SALT LAKE
10884	10392497.00000000000	29-Jul-10	2010	35.00000000000	SALT LAKE
10926	10392506.00000000000	30-Jul-10	2010	35.00000000000	SALT LAKE
12504	10395776.00000000000	27-Aug-10	2010	35.00000000000	SALT LAKE
12964	10419608.00000000000	3-Sep-10	2010	35.00000000000	SALT LAKE
13791	10418485.00000000000	20-Sep-10	2010	35.00000000000	SALT LAKE
14575	10399493.00000000000	2-Oct-10	2010	35.00000000000	SALT LAKE
15439	10401277.00000000000	18-Oct-10	2010	35.00000000000	SALT LAKE
17119	10403936.00000000000	15-Nov-10	2010	35.00000000000	SALT LAKE
19595	10407436.00000000000	20-Dec-10	2010	35.00000000000	SALT LAKE
20121	10408215.00000000000	27-Dec-10	2010	35.00000000000	SALT LAKE

21335	10431172.00000000000	12-Jan-11	2011	35.00000000000	SALT LAKE
21349	10431175.00000000000	12-Jan-11	2011	35.00000000000	SALT LAKE
21423	10431320.00000000000	13-Jan-11	2011	35.00000000000	SALT LAKE
22470	10433014.00000000000	1-Feb-11	2011	35.00000000000	SALT LAKE
22628	10433150.00000000000	4-Feb-11	2011	35.00000000000	SALT LAKE
22987	10433579.00000000000	10-Feb-11	2011	35.00000000000	SALT LAKE
24660	10435596.00000000000	14-Mar-11	2011	35.00000000000	SALT LAKE
27251	10438307.00000000000	22-May-11	2011	35.00000000000	SALT LAKE
27555	10438649.00000000000	28-May-11	2011	35.00000000000	SOUTH SAL
28177	10439187.00000000000	10-Jun-11	2011	35.00000000000	SALT LAKE
28536	10439607.00000000000	17-Jun-11	2011	35.00000000000	SALT LAKE
30189	10448989.00000000000	18-Jul-11	2011	35.00000000000	SALT LAKE
30338	10464514.00000000000	20-Jul-11	2011	35.00000000000	SOUTH SAL
31118	10444164.00000000000	4-Aug-11	2011	35.00000000000	SALT LAKE
31424	10444512.00000000000	10-Aug-11	2011	35.00000000000	SALT LAKE
31494	10444633.00000000000	11-Aug-11	2011	35.00000000000	SALT LAKE
31561	10444647.00000000000	12-Aug-11	2011	35.00000000000	SALT LAKE
33888	10448244.00000000000	21-Sep-11	2011	35.00000000000	SALT LAKE
35350	10456885.00000000000	16-Oct-11	2011	35.00000000000	SALT LAKE
35646	10457327.00000000000	21-Oct-11	2011	35.00000000000	SALT LAKE
38038	10461946.00000000000	1-Dec-11	2011	35.00000000000	SALT LAKE
38904	10465100.00000000000	13-Dec-11	2011	35.00000000000	SALT LAKE
40648	10491841.00000000000	15-Jan-12	2012	35.00000000000	SALT LAKE
40905	10491971.00000000000	18-Jan-12	2012	35.00000000000	SALT LAKE
41931	10495839.00000000000	9-Feb-12	2012	35.00000000000	SALT LAKE
42496	10497371.00000000000	19-Feb-12	2012	35.00000000000	SALT LAKE
43858	10500306.00000000000	14-Mar-12	2012	35.00000000000	SALT LAKE
44481	10502098.00000000000	26-Mar-12	2012	35.00000000000	SALT LAKE
44703	10502353.00000000000	30-Mar-12	2012	35.00000000000	SALT LAKE
44813	10502525.00000000000	1-Apr-12	2012	35.00000000000	SALT LAKE
45010	10502740.00000000000	5-Apr-12	2012	35.00000000000	SALT LAKE
45015	10502743.00000000000	5-Apr-12	2012	35.00000000000	SALT LAKE
45757	10504191.00000000000	20-Apr-12	2012	35.00000000000	SALT LAKE
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45878	10504333.00000000000	21-Apr-12	2012	35.00000000000	SALT LAKE
45941	10504431.00000000000	23-Apr-12	2012	35.00000000000	SALT LAKE
46892	10513517.00000000000	14-May-12	2012	35.00000000000	SALT LAKE
47997	10527951.00000000000	2-Jun-12	2012	35.00000000000	SALT LAKE
48123	10528304.00000000000	5-Jun-12	2012	35.00000000000	SALT LAKE
48315	10529347.00000000000	10-Jun-12	2012	35.00000000000	SALT LAKE
48788	10529772.00000000000	18-Jun-12	2012	35.00000000000	SALT LAKE
49779	10530955.00000000000	6-Jul-12	2012	35.00000000000	SALT LAKE
52868	10534529.00000000000	29-Aug-12	2012	35.00000000000	SALT LAKE
53732	10537044.00000000000	13-Sep-12	2012	35.00000000000	SALT LAKE
54490	10539945.00000000000	26-Sep-12	2012	35.00000000000	SALT LAKE
56007	10541365.00000000000	22-Oct-12	2012	35.00000000000	SALT LAKE
59273	10549564.00000000000	10-Dec-12	2012	35.00000000000	SALT LAKE

59790	10550036.000000000000	17-Dec-12	2012	35.000000000000	SALT LAKE
59917	10550288.000000000000	19-Dec-12	2012	35.000000000000	SALT LAKE
60095	10550429.000000000000	21-Dec-12	2012	35.000000000000	SALT LAKE
62344	10577354.000000000000	17-Jan-13	2013	35.000000000000	SALT LAKE
62542	10577530.000000000000	21-Jan-13	2013	35.000000000000	SALT LAKE
64855	10584329.000000000000	17-Feb-13	2013	35.000000000000	SALT LAKE
64915	10584403.000000000000	19-Feb-13	2013	35.000000000000	SALT LAKE
64931	10584408.000000000000	19-Feb-13	2013	35.000000000000	SALT LAKE
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67556	10586597.000000000000	2-Apr-13	2013	35.000000000000	SALT LAKE
67960	10586931.000000000000	9-Apr-13	2013	35.000000000000	SALT LAKE
68459	10587381.000000000000	18-Apr-13	2013	35.000000000000	SALT LAKE
70003	10610377.000000000000	15-May-13	2013	35.000000000000	SALT LAKE
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73097	10596468.000000000000	6-Jul-13	2013	35.000000000000	SALT LAKE
75168	10596741.000000000000	10-Aug-13	2013	35.000000000000	SALT LAKE
75989	10596894.000000000000	23-Aug-13	2013	35.000000000000	SALT LAKE
79672	10610429.000000000000	17-Oct-13	2013	35.000000000000	SOUTH SAL
80141	10610480.000000000000	24-Oct-13	2013	35.000000000000	SALT LAKE
80630	10582822.000000000000	31-Oct-13	2013	35.000000000000	SALT LAKE
81251	10610577.000000000000	10-Nov-13	2013	35.000000000000	SALT LAKE
84082	10611076.000000000000	13-Dec-13	2013	35.000000000000	SALT LAKE
84457	10601003.000000000000	17-Dec-13	2013	35.000000000000	SALT LAKE
84461	10601812.000000000000	17-Dec-13	2013	35.000000000000	SALT LAKE
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91451	10625316.000000000000	8-Apr-14	2014	35.000000000000	SALT LAKE
91554	10625431.000000000000	10-Apr-14	2014	35.000000000000	SALT LAKE
91703	10625680.000000000000	12-Apr-14	2014	35.000000000000	SALT LAKE
92314	10629810.000000000000	23-Apr-14	2014	35.000000000000	SALT LAKE
92583	10640499.000000000000	27-Apr-14	2014	35.000000000000	SALT LAKE
93388	10632041.000000000000	9-May-14	2014	35.000000000000	SALT LAKE
93477	10644444.000000000000	10-May-14	2014	35.000000000000	SALT LAKE
93911	10633853.000000000000	18-May-14	2014	35.000000000000	SALT LAKE
95177	10639943.000000000000	7-Jun-14	2014	35.000000000000	SALT LAKE
95433	10639626.000000000000	12-Jun-14	2014	35.000000000000	SALT LAKE
95893	10646408.000000000000	19-Jun-14	2014	35.000000000000	SALT LAKE
96684	10645385.000000000000	2-Jul-14	2014	35.000000000000	SALT LAKE
97768	10647697.000000000000	21-Jul-14	2014	35.000000000000	SALT LAKE
98687	10652157.000000000000	5-Aug-14	2014	35.000000000000	SALT LAKE
104348	10698832.000000000000	30-Oct-14	2014	35.000000000000	SALT LAKE
111147	10702780.000000000000	8-Feb-15	2015	35.000000000000	SALT LAKE
112952	10710262.000000000000	7-Mar-15	2015	35.000000000000	SALT LAKE
113396	10710535.000000000000	13-Mar-15	2015	35.000000000000	SALT LAKE
113444	10838699.000000000000	13-Mar-15	2015	35.000000000000	SALT LAKE
113464	10710966.000000000000	14-Mar-15	2015	35.000000000000	SALT LAKE
114095	10715970.000000000000	24-Mar-15	2015	35.000000000000	SALT LAKE

114404	10721316.000000000000	28-Mar-15	2015	35.000000000000	SALT LAKE
114733	10725130.000000000000	3-Apr-15	2015	35.000000000000	SALT LAKE
115753	10724890.000000000000	17-Apr-15	2015	35.000000000000	SALT LAKE
116247	10721644.000000000000	25-Apr-15	2015	35.000000000000	SOUTH SAL
116486	10724896.000000000000	29-Apr-15	2015	35.000000000000	SALT LAKE
117760	10728477.000000000000	17-May-15	2015	35.000000000000	SALT LAKE
121455	10747503.000000000000	13-Jul-15	2015	35.000000000000	SALT LAKE
124072	10791440.000000000000	20-Aug-15	2015	35.000000000000	SALT LAKE
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134451	10806500.000000000000	4-Jan-16	2016	35.000000000000	SALT LAKE
134817	10856901.000000000000	8-Jan-16	2016	35.000000000000	SALT LAKE
135083	10818598.000000000000	12-Jan-16	2016	35.000000000000	SALT LAKE
135508	10810684.000000000000	18-Jan-16	2016	35.000000000000	SALT LAKE
137266	10817291.000000000000	7-Feb-16	2016	35.000000000000	SALT LAKE
139213	10861504.000000000000	9-Mar-16	2016	35.000000000000	SALT LAKE
139662	10861495.000000000000	16-Mar-16	2016	35.000000000000	SALT LAKE
142450	10842306.000000000000	25-Apr-16	2016	35.000000000000	SALT LAKE
143144	10859206.000000000000	5-May-16	2016	35.000000000000	SALT LAKE
144182	10848712.000000000000	18-May-16	2016	35.000000000000	SALT LAKE
145956	10856907.000000000000	13-Jun-16	2016	35.000000000000	SALT LAKE
146767	10872501.000000000000	23-Jun-16	2016	35.000000000000	SALT LAKE
147665	10861772.000000000000	6-Jul-16	2016	35.000000000000	SALT LAKE
148057	10862883.000000000000	12-Jul-16	2016	35.000000000000	SALT LAKE
148208	10863705.000000000000	14-Jul-16	2016	35.000000000000	SALT LAKE
148367	10866451.000000000000	16-Jul-16	2016	35.000000000000	SALT LAKE
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149583	10869379.000000000000	2-Aug-16	2016	35.000000000000	SALT LAKE
149665	10869774.000000000000	4-Aug-16	2016	35.000000000000	SALT LAKE
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152505	10921793.000000000000	9-Sep-16	2016	35.000000000000	SALT LAKE
152526	10896031.000000000000	10-Sep-16	2016	35.000000000000	SALT LAKE
152567	10879395.000000000000	10-Sep-16	2016	35.000000000000	SALT LAKE
153423	10896049.000000000000	21-Sep-16	2016	35.000000000000	SALT LAKE
154334	10902603.000000000000	2-Oct-16	2016	35.000000000000	SALT LAKE
155203	10921790.000000000000	13-Oct-16	2016	35.000000000000	SALT LAKE
155475	10892179.000000000000	17-Oct-16	2016	35.000000000000	SALT LAKE
156538	10894177.000000000000	31-Oct-16	2016	35.000000000000	SALT LAKE
156551	10894232.000000000000	31-Oct-16	2016	35.000000000000	SALT LAKE
156780	10896708.000000000000	3-Nov-16	2016	35.000000000000	SALT LAKE
157733	10948919.000000000000	15-Nov-16	2016	35.000000000000	SALT LAKE

158514	10948888.00000000000	23-Nov-16	2016	35.00000000000	SALT LAKE
158655	10902620.00000000000	25-Nov-16	2016	35.00000000000	SALT LAKE
159084	10948858.00000000000	30-Nov-16	2016	35.00000000000	SALT LAKE
160737	10925989.00000000000	20-Dec-16	2016	35.00000000000	SALT LAKE
161569	10911118.00000000000	28-Dec-16	2016	35.00000000000	SALT LAKE
161738	10925098.00000000000	30-Dec-16	2016	35.00000000000	SALT LAKE
161834	10948817.00000000000	31-Dec-16	2016	35.00000000000	SALT LAKE
147833	10861717.00000000000	8-Jul-16	2016	35.00000000000	SALT LAKE
97602	10648859.00000000000	18-Jul-14	2014	35.00000000000	SALT LAKE
136358	10814845.00000000000	29-Jan-16	2016	35.00000000000	SALT LAKE
35185	10456724.00000000000	13-Oct-11	2011	35.00000000000	SALT LAKE
46781	10457923.00000000000	12-May-12	2012	35.00000000000	SALT LAKE
70784	10581205.00000000000	29-May-13	2013	35.00000000000	SALT LAKE
75145	10563265.00000000000	9-Aug-13	2013	35.00000000000	SALT LAKE
81260	10591208.00000000000	10-Nov-13	2013	35.00000000000	SALT LAKE
83304	10598318.00000000000	6-Dec-13	2013	35.00000000000	SALT LAKE
99326	10652977.00000000000	15-Aug-14	2014	35.00000000000	SALT LAKE
101418	10661114.00000000000	16-Sep-14	2014	35.00000000000	SALT LAKE
103485	10672000.00000000000	16-Oct-14	2014	35.00000000000	SALT LAKE
107070	10689552.00000000000	9-Dec-14	2014	35.00000000000	SALT LAKE
109934	10696541.00000000000	17-Jan-15	2015	35.00000000000	SALT LAKE
110049	10698995.00000000000	20-Jan-15	2015	35.00000000000	SALT LAKE
111803	10704394.00000000000	19-Feb-15	2015	35.00000000000	SALT LAKE
124045	10773066.00000000000	20-Aug-15	2015	35.00000000000	SALT LAKE
124244	10755220.00000000000	23-Aug-15	2015	35.00000000000	SALT LAKE
125091	10764616.00000000000	3-Sep-15	2015	35.00000000000	SALT LAKE
131920	10797564.00000000000	5-Dec-15	2015	35.00000000000	SALT LAKE
134282	10805635.00000000000	1-Jan-16	2016	35.00000000000	SALT LAKE
134810	10856902.00000000000	8-Jan-16	2016	35.00000000000	SALT LAKE
136870	10863217.00000000000	3-Feb-16	2016	35.00000000000	SALT LAKE
138756	10827409.00000000000	2-Mar-16	2016	35.00000000000	SALT LAKE
141070	10834987.00000000000	5-Apr-16	2016	35.00000000000	SALT LAKE
142219	10840446.00000000000	21-Apr-16	2016	35.00000000000	SALT LAKE
144042	10859186.00000000000	17-May-16	2016	35.00000000000	SALT LAKE
144165	10848622.00000000000	18-May-16	2016	35.00000000000	SALT LAKE
144937	10850879.00000000000	29-May-16	2016	35.00000000000	SALT LAKE
147967	10864737.00000000000	11-Jul-16	2016	35.00000000000	SALT LAKE
152766	10896004.00000000000	13-Sep-16	2016	35.00000000000	SALT LAKE
157664	10948815.00000000000	14-Nov-16	2016	35.00000000000	SALT LAKE
160619	10925991.00000000000	19-Dec-16	2016	35.00000000000	SALT LAKE
161528	10910643.00000000000	27-Dec-16	2016	35.00000000000	SOUTH SAL
129526	10791444.00000000000	3-Nov-15	2015	35.00000000000	SOUTH SAL
37993	10462043.00000000000	1-Dec-11	2011	35.00000000000	SALT LAKE
5423	10365510.00000000000	18-Apr-10	2010	35.00000000000	SALT LAKE
5758	10366240.00000000000	24-Apr-10	2010	35.00000000000	SALT LAKE
6305	10364522.00000000000	4-May-10	2010	35.00000000000	SALT LAKE
15569	10401536.00000000000	20-Oct-10	2010	35.00000000000	SALT LAKE

16860	10403499.000000000000	10-Nov-10	2010	35.000000000000	SALT LAKE
18406	10405262.000000000000	30-Nov-10	2010	35.000000000000	SALT LAKE
19936	10407946.000000000000	24-Dec-10	2010	35.000000000000	SALT LAKE
21013	10423859.000000000000	7-Jan-11	2011	35.000000000000	SALT LAKE
21360	10431178.000000000000	12-Jan-11	2011	35.000000000000	SALT LAKE
21407	10431318.000000000000	13-Jan-11	2011	35.000000000000	SALT LAKE
26566	10437238.000000000000	11-May-11	2011	35.000000000000	SALT LAKE
28695	10439734.000000000000	20-Jun-11	2011	35.000000000000	SALT LAKE
31552	10444643.000000000000	12-Aug-11	2011	35.000000000000	SALT LAKE
32729	10452026.000000000000	2-Sep-11	2011	35.000000000000	SALT LAKE
32835	10447193.000000000000	4-Sep-11	2011	35.000000000000	SALT LAKE
33886	10448270.000000000000	21-Sep-11	2011	35.000000000000	SALT LAKE
34076	10448404.000000000000	24-Sep-11	2011	35.000000000000	SALT LAKE
36642	10459944.000000000000	7-Nov-11	2011	35.000000000000	SALT LAKE
39613	10465915.000000000000	23-Dec-11	2011	35.000000000000	SALT LAKE
42549	10497379.000000000000	20-Feb-12	2012	35.000000000000	SALT LAKE
50660	10532476.000000000000	22-Jul-12	2012	35.000000000000	SALT LAKE
51143	10532863.000000000000	31-Jul-12	2012	35.000000000000	SALT LAKE
52581	10534164.000000000000	24-Aug-12	2012	35.000000000000	SALT LAKE
52638	10534298.000000000000	25-Aug-12	2012	35.000000000000	SALT LAKE
64857	10584330.000000000000	17-Feb-13	2013	35.000000000000	SALT LAKE
78870	10621042.000000000000	5-Oct-13	2013	35.000000000000	SALT LAKE
87663	10618591.000000000000	2-Feb-14	2014	35.000000000000	SALT LAKE
101388	10686016.000000000000	16-Sep-14	2014	35.000000000000	SALT LAKE
102888	10671574.000000000000	7-Oct-14	2014	35.000000000000	SALT LAKE
104890	10677489.000000000000	7-Nov-14	2014	35.000000000000	SALT LAKE
105361	10679231.000000000000	14-Nov-14	2014	35.000000000000	SALT LAKE
111331	10703943.000000000000	11-Feb-15	2015	35.000000000000	SALT LAKE
121765	10747525.000000000000	17-Jul-15	2015	35.000000000000	SALT LAKE
122295	10747010.000000000000	25-Jul-15	2015	35.000000000000	SALT LAKE
127491	10814982.000000000000	6-Oct-15	2015	35.000000000000	SALT LAKE
129862	10791835.000000000000	8-Nov-15	2015	35.000000000000	SALT LAKE
133883	10803990.000000000000	27-Dec-15	2015	35.000000000000	SALT LAKE
142078	10850412.000000000000	20-Apr-16	2016	35.000000000000	SALT LAKE
146650	10858823.000000000000	22-Jun-16	2016	35.000000000000	SALT LAKE
156330	10927390.000000000000	29-Oct-16	2016	35.000000000000	SALT LAKE
108932	10692140.000000000000	1-Jan-15	2015	35.000000000000	SALT LAKE
1064	10348039.000000000000	21-Jan-10	2010	35.000000000000	SALT LAKE
24945	10382931.000000000000	21-Mar-11	2011	35.000000000000	SALT LAKE
140698	10948935.000000000000	31-Mar-16	2016	35.000000000000	SALT LAKE
146936	10861667.000000000000	25-Jun-16	2016	35.000000000000	SALT LAKE
154466	10887373.000000000000	4-Oct-16	2016	35.000000000000	SALT LAKE
84866	10603219.000000000000	19-Dec-13	2013	35.000000000000	SALT LAKE
41551	10494892.000000000000	1-Feb-12	2012	35.000000000000	SALT LAKE
88639	10615340.000000000000	19-Feb-14	2014	35.000000000000	SALT LAKE
160650	10919085.000000000000	19-Dec-16	2016	35.000000000000	SALT LAKE
7200	10372409.000000000000	21-May-10	2010	35.000000000000	SALT LAKE

21554	10431413.000000000000	14-Jan-11	2011	35.000000000000	SALT LAKE
36067	10457845.000000000000	29-Oct-11	2011	35.000000000000	SALT LAKE
37124	10460476.000000000000	15-Nov-11	2011	35.000000000000	SALT LAKE
48323	10529351.000000000000	10-Jun-12	2012	35.000000000000	SALT LAKE
49026	10529983.000000000000	22-Jun-12	2012	35.000000000000	SALT LAKE
60982	10558514.000000000000	3-Jan-13	2013	35.000000000000	SALT LAKE
107731	10688456.000000000000	18-Dec-14	2014	35.000000000000	SALT LAKE
114951	10736942.000000000000	7-Apr-15	2015	35.000000000000	SALT LAKE
140526	10948938.000000000000	29-Mar-16	2016	35.000000000000	SALT LAKE
141699	10860753.000000000000	14-Apr-16	2016	35.000000000000	SALT LAKE
129223	10788919.000000000000	30-Oct-15	2015	35.000000000000	SALT LAKE
125036	10764626.000000000000	2-Sep-15	2015	35.000000000000	SALT LAKE
27962	10439009.000000000000	6-Jun-11	2011	35.000000000000	SALT LAKE
86634	10608777.000000000000	14-Jan-14	2014	35.000000000000	SALT LAKE
92232	10632005.000000000000	22-Apr-14	2014	35.000000000000	SALT LAKE
94565	10636602.000000000000	29-May-14	2014	35.000000000000	SALT LAKE
117819	10728810.000000000000	18-May-15	2015	35.000000000000	SALT LAKE
118548	10732550.000000000000	29-May-15	2015	35.000000000000	SALT LAKE
147639	10861287.000000000000	6-Jul-16	2016	35.000000000000	SALT LAKE
110615	10699449.000000000000	30-Jan-15	2015	35.000000000000	SALT LAKE
121392	10747511.000000000000	11-Jul-15	2015	35.000000000000	SALT LAKE
45524	10503943.000000000000	16-Apr-12	2012	35.000000000000	SALT LAKE
22517	10433023.000000000000	2-Feb-11	2011	35.000000000000	SALT LAKE
34259	10448630.000000000000	28-Sep-11	2011	35.000000000000	SALT LAKE
43450	10499638.000000000000	6-Mar-12	2012	35.000000000000	SALT LAKE
2871	10354429.000000000000	1-Mar-10	2010	35.000000000000	SALT LAKE
777	10354103.000000000000	17-Jan-10	2010	35.000000000000	SALT LAKE
59505	10549799.000000000000	13-Dec-12	2012	35.000000000000	SALT LAKE
81130	10589036.000000000000	8-Nov-13	2013	35.000000000000	SALT LAKE
56204	10510974.000000000000	25-Oct-12	2012	35.000000000000	SALT LAKE
88865	10619841.000000000000	23-Feb-14	2014	35.000000000000	SALT LAKE
2890	10356964.000000000000	1-Mar-10	2010	35.000000000000	SALT LAKE
35907	10457566.000000000000	26-Oct-11	2011	35.000000000000	SALT LAKE
48632	10529651.000000000000	15-Jun-12	2012	35.000000000000	SALT LAKE
50848	10532641.000000000000	26-Jul-12	2012	35.000000000000	SALT LAKE
20013	10375926.000000000000	26-Dec-10	2010	35.000000000000	SALT LAKE
44663	10502337.000000000000	29-Mar-12	2012	35.000000000000	SALT LAKE
51596	10533370.000000000000	8-Aug-12	2012	35.000000000000	SALT LAKE
52616	10534295.000000000000	25-Aug-12	2012	35.000000000000	SALT LAKE
160346	10925978.000000000000	16-Dec-16	2016	35.000000000000	SALT LAKE

Count	MAIN_ROAD_	CRASH_SEV E	LIGHT_COND	WEATHER_CO	MANNER_COL
1	1051 S	3	1.0000000000	1.0000000000	1.0000000000
1	1200 S	2	1.0000000000	1.0000000000	1.0000000000
1	1300 S	1	1.0000000000	1.0000000000	96.0000000000
1	1300 S	2	1.0000000000	1.0000000000	2.0000000000
1	1300 S	3	1.0000000000	1.0000000000	96.0000000000
1	1300 S	1	1.0000000000	1.0000000000	96.0000000000
1	1300 S	1	1.0000000000	1.0000000000	2.0000000000
1	1300 S	2	1.0000000000	1.0000000000	2.0000000000
1	1300 S	1	2.0000000000	1.0000000000	1.0000000000
1	1300 S	2	2.0000000000	1.0000000000	96.0000000000
1	1300 S	3	1.0000000000	1.0000000000	1.0000000000
1	1300 S	2	1.0000000000	1.0000000000	2.0000000000
1	1300 S	3	2.0000000000	1.0000000000	2.0000000000
1	1300 S	2	1.0000000000	2.0000000000	2.0000000000
1	1300 S	1	1.0000000000	1.0000000000	3.0000000000
1	1300 S	1	1.0000000000	4.0000000000	1.0000000000
1	1300 S	1	1.0000000000	1.0000000000	2.0000000000
1	1300 S	1	1.0000000000	1.0000000000	2.0000000000
1	1300 S	1	1.0000000000	3.0000000000	2.0000000000
1	1300 S	1	2.0000000000	1.0000000000	2.0000000000
1	1300 S	2	1.0000000000	2.0000000000	1.0000000000
1	1300 S	2	3.0000000000	1.0000000000	2.0000000000
1	1300 S	2	2.0000000000	1.0000000000	2.0000000000
1	1300 S	1	1.0000000000	1.0000000000	2.0000000000
1	1300 S	1	1.0000000000	1.0000000000	2.0000000000
1	1300 S	1	1.0000000000	1.0000000000	3.0000000000
1	1300 S	1	1.0000000000	2.0000000000	2.0000000000
1	1300 S	2	1.0000000000	1.0000000000	1.0000000000
1	1300 S	2	1.0000000000	1.0000000000	2.0000000000
1	1300 S	2	1.0000000000	1.0000000000	2.0000000000
1	1300 S	1	1.0000000000	2.0000000000	96.0000000000
1	1300 S	3	1.0000000000	2.0000000000	2.0000000000
1	1300 S	2	2.0000000000	1.0000000000	1.0000000000
1	1300 S	2	1.0000000000	2.0000000000	2.0000000000
1	1305 S	1	1.0000000000	1.0000000000	4.0000000000
1	1330 S	1	1.0000000000	1.0000000000	4.0000000000
1	1335 S	2	1.0000000000	1.0000000000	96.0000000000
1	1370 S	1	1.0000000000	1.0000000000	1.0000000000
1	1421 S	2	3.0000000000	1.0000000000	4.0000000000
1	1700 S	2	1.0000000000	2.0000000000	2.0000000000
1	1700 S	2	1.0000000000	2.0000000000	1.0000000000
1	1700 S	1	1.0000000000	1.0000000000	1.0000000000
1	1700 S	1	1.0000000000	1.0000000000	2.0000000000
1	1700 S	3	1.0000000000	1.0000000000	5.0000000000

1 1700 S	3	1.00000000000	1.00000000000	1.00000000000
1 1700 S	2	1.00000000000	1.00000000000	2.00000000000
1 1700 S	2	1.00000000000	1.00000000000	1.00000000000
1 1700 S	1	1.00000000000	1.00000000000	2.00000000000
1 1700 S	3	1.00000000000	1.00000000000	2.00000000000
1 1700 S	1	1.00000000000	1.00000000000	1.00000000000
1 1700 S	1	2.00000000000	1.00000000000	4.00000000000
1 1700 S	3	1.00000000000	2.00000000000	1.00000000000
1 1700 S	3	1.00000000000	1.00000000000	96.00000000000
1 1700 S	1	2.00000000000	1.00000000000	1.00000000000
1 1830 S	1	1.00000000000	1.00000000000	1.00000000000
1 1830 S	1	2.00000000000	1.00000000000	1.00000000000
1 1830 S	1	1.00000000000	2.00000000000	1.00000000000
1 1830 S	1	1.00000000000	1.00000000000	2.00000000000
1 1830 S	2	1.00000000000	1.00000000000	1.00000000000
1 1830 S	1	1.00000000000	1.00000000000	1.00000000000
1 1830 S	3	1.00000000000	1.00000000000	1.00000000000
1 1830 S	2	1.00000000000	1.00000000000	2.00000000000
1 1842 S	1	1.00000000000	4.00000000000	2.00000000000
1 1880 S	1	1.00000000000	1.00000000000	4.00000000000
1 2000 S	1	1.00000000000	1.00000000000	1.00000000000
1 2005 S	3	1.00000000000	2.00000000000	96.00000000000
1 2064 S	2	1.00000000000	1.00000000000	1.00000000000
1 2064 S	2	2.00000000000	3.00000000000	1.00000000000
1 2100 S	1	1.00000000000	1.00000000000	1.00000000000
1 2100 S	1	1.00000000000	1.00000000000	2.00000000000
1 2100 S	2	1.00000000000	1.00000000000	2.00000000000
1 2100 S	1	1.00000000000	2.00000000000	2.00000000000
1 2100 S	1	2.00000000000	1.00000000000	96.00000000000
1 2100 S	4	1.00000000000	1.00000000000	1.00000000000
1 2100 S	2	2.00000000000	1.00000000000	2.00000000000
1 2100 S	1	1.00000000000	4.00000000000	1.00000000000
1 2100 S	2	2.00000000000	1.00000000000	2.00000000000
1 2100 S	1	1.00000000000	1.00000000000	4.00000000000
1 2100 S	4	1.00000000000	2.00000000000	1.00000000000
1 2100 S	2	1.00000000000	1.00000000000	2.00000000000
1 2100 S	1	2.00000000000	1.00000000000	96.00000000000
1 2100 S	2	2.00000000000	1.00000000000	96.00000000000
1 2100 S	1	3.00000000000	1.00000000000	2.00000000000
1 2100 S	1	1.00000000000	1.00000000000	2.00000000000
1 2100 S	1	2.00000000000	1.00000000000	4.00000000000
1 2100 S	1	1.00000000000	1.00000000000	2.00000000000
1 2100 S	1	1.00000000000	2.00000000000	4.00000000000
1 2100 S	2	1.00000000000	3.00000000000	2.00000000000
1 2100 S	1	1.00000000000	1.00000000000	96.00000000000
1 2100 S	2	1.00000000000	2.00000000000	2.00000000000
1 2100 S	3	1.00000000000	1.00000000000	1.00000000000

1 800 S	3	2.00000000000	2.00000000000	1.00000000000
1 800 S	1	2.00000000000	1.00000000000	2.00000000000
1 800 S	3	2.00000000000	1.00000000000	1.00000000000
1 800 S	2	6.00000000000	1.00000000000	2.00000000000
1 800 S	1	1.00000000000	1.00000000000	1.00000000000
1 800 S	4	1.00000000000	1.00000000000	1.00000000000
1 800 S	1	1.00000000000	1.00000000000	1.00000000000
1 800 S	1	1.00000000000	1.00000000000	1.00000000000
1 800 S	2	1.00000000000	1.00000000000	1.00000000000
1 800 S	2	1.00000000000	3.00000000000	6.00000000000
1 800 S 300 W	3	2.00000000000	1.00000000000	1.00000000000
1 800 S	1	1.00000000000	1.00000000000	1.00000000000
1 900 S	2	1.00000000000	1.00000000000	2.00000000000
1 900 S	2	1.00000000000	2.00000000000	5.00000000000
1 900 S	2	1.00000000000	2.00000000000	1.00000000000
1 900 S	1	1.00000000000	1.00000000000	96.00000000000
1 900 S	1	1.00000000000	2.00000000000	1.00000000000
1 900 S	3	1.00000000000	1.00000000000	2.00000000000
1 900 S I-15 NB OFF F	1	1.00000000000	1.00000000000	2.00000000000
1 900 S	1	1.00000000000	2.00000000000	1.00000000000
1 930 S	2	1.00000000000	1.00000000000	6.00000000000
1 ALBERMARLE	1	1.00000000000	1.00000000000	1.00000000000
1 ALBERMARLE	3	1.00000000000	1.00000000000	1.00000000000
1 ALBERMARLE	3	1.00000000000	1.00000000000	1.00000000000
1 FAYETTE AVE	1	2.00000000000	4.00000000000	96.00000000000
1 HANSEN AVE	2	1.00000000000	1.00000000000	1.00000000000
1 HARTWELL AVE	3	2.00000000000	1.00000000000	2.00000000000
1 HOPE AVE	1	1.00000000000	1.00000000000	6.00000000000
1 HOPE AVE	2	1.00000000000	1.00000000000	1.00000000000
1 I-15	1	1.00000000000	4.00000000000	96.00000000000
1 900 S I-15 NB OFF F	2	1.00000000000	1.00000000000	96.00000000000
1 LUCY AVE	1	1.00000000000	2.00000000000	1.00000000000
1 LUCY AVE	3	1.00000000000	1.00000000000	96.00000000000
1 LUCY AVE	1	1.00000000000	1.00000000000	1.00000000000
1 PAXTON AVE	1	1.00000000000	1.00000000000	6.00000000000
1 SR 201	2	2.00000000000	4.00000000000	96.00000000000
1 STATE ST	3	1.00000000000	1.00000000000	96.00000000000
1 STATE ST	1	1.00000000000	1.00000000000	2.00000000000
1 STATE ST	4	1.00000000000	1.00000000000	1.00000000000
1 WHITNEY AVE	2	1.00000000000	2.00000000000	96.00000000000

TOTAL_NUMB	FIRST_HARM	FIRST_HA_1	MOTOR_CARR	OFFICER_DE	CASE_NUMBE
5.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2016224941
2.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL201063466
0.0000000000	23.0000000000	1.0000000000	N	SALT LAKE	SL2013100447
4.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL201037894
5.0000000000	22.0000000000	1.0000000000		UXHWYSAFT	SL2010110442
4.0000000000	22.0000000000	1.0000000000		UXHWYSAFT	SL2010136451
3.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL2010146470
4.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL2010185212
4.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL201250923
2.0000000000	23.0000000000	1.0000000000	N	UXHWYSAFT	SL201277628
4.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL2012145348
2.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL2012190232
4.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL201310541
4.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL201315246
4.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL201323003
4.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL201327377
4.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL201330091
4.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL201376813
6.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL2013148145
4.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL2013190417
4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2014161215
4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2014183236
4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL20162034
4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201614906
6.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201647755
3.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201650736
2.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201653895
4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2016139378
4.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL20101993
0.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL2013194581
6.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL201433264
4.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL201468270
0.0000000000	7.0000000000	1.0000000000	N	UT0180300	SL201518555
6.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2016162769
4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201513070
3.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2015215446
0.0000000000	22.0000000000	1.0000000000	N	UT0180300	SL20166142
2.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL201256834
4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2014196061
5.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL2010130523
4.0000000000	20.0000000000	1.0000000000	S	UXHWYSAFT	SL201217923
4.0000000000	20.0000000000	1.0000000000	S	UXHWYSAFT	SL2012156566
4.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL201354512
0.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL2014116851

4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201533867
4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201552955
2.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201588742
4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201598112
4.0000000000	20.0000000000	1.0000000000	S	UT0180300	SL2015160042
0.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201621143
0.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201639451
3.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201657922
4.0000000000	7.0000000000	1.0000000000	N	UT0180300	SL2016192263
5.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL20109897
6.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL2010161586
2.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL20111439
6.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL201450717
2.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201549134
2.0000000000	21.0000000000	1.0000000000	N	UT0180300	SL2015191962
0.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201643068
6.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2016122722
0.0000000000	20.0000000000	1.0000000000	S	SALT LAKE	SL2013131568
5.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2015237388
6.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201645884
3.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201521545
4.0000000000	23.0000000000	2.0000000000	N	SALT LAKE	SL201478886
2.0000000000	20.0000000000	6.0000000000	N	SALT LAKE	SL2013140211
4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL20158930
5.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL201056871
2.0000000000	20.0000000000	1.0000000000	S	UXHWYSAFT	SL2010170289
4.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	10G007420
5.0000000000	20.0000000000	1.0000000000	S	UXHWYSAFT	SL2011104246
5.0000000000	55.0000000000	1.0000000000	S	UXHWYSAFT	SL2011159593
6.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL2011174649
4.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL2011213120
2.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL20123596
6.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL20129937
2.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL201229067
4.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL201234848
8.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL201283724
6.0000000000	54.0000000000	8.0000000000	N	UXHWYSAFT	SL201292894
6.0000000000	23.0000000000	1.0000000000	N	UXHWYSAFT	SL201298006
6.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL2012172681
4.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL2012201469
4.0000000000	20.0000000000	1.0000000000	S	UXHWYSAFT	SL20133899
4.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL201333752
4.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL201348880
0.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL2013156124
2.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL2013178337
3.0000000000	20.0000000000	1.0000000000	S	SALT LAKE	SL201433315
0.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL201466800

6.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL201489981
1.0000000000	20.0000000000	9.0000000000	N	UTUHP1300	15SL03003
3.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201589231
2.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2015135030
2.0000000000	32.0000000000	1.0000000000	N	UT0180300	SL2015189135
8.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201660317
7.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2016117097
4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2016118941
2.0000000000	20.0000000000	#####	N	UT0180300	SL2016233424
4.0000000000	20.0000000000	1.0000000000	S	SSPD	13G005860
5.0000000000	20.0000000000	1.0000000000	N	SSPD	14G001817
8.0000000000	20.0000000000	1.0000000000		UTUHP1300	10SL04341
7.0000000000	20.0000000000	1.0000000000		UTUHP1300	10SL07934
7.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL201420824
2.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL2014109131
3.0000000000	20.0000000000	1.0000000000	N	UTUHP1300	14SL06348
8.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201633007
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2.0000000000	20.0000000000	1.0000000000	S	SSPD	13G006769
2.0000000000	20.0000000000	1.0000000000	S	SSPD	14G002033
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7.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL201067106
4.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL201388951
2.0000000000	24.0000000000	1.0000000000		UXHWYSAFT	SL20104260
4.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL20107846
4.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL201039174
4.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL201039307
2.0000000000	41.0000000000	6.0000000000		UXHWYSAFT	SL201049976
3.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL20105101
4.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL201051909
2.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL201075778
4.0000000000	20.0000000000	2.0000000000		UXHWYSAFT	SL2010981399
4.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL201082489
2.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL201099952
4.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL2010108186
7.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL2010115523
3.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL2010116190
4.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL2010131314
6.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL2010131807
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2.0000000000	20.0000000000	1.0000000000	S	UXHWYSAFT	SL2010154813
3.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL2010164573
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2.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL2010182885
2.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL2010199062
2.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL2010218326
2.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL2010221667

6.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL20116372
2.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL20116448
2.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL20116923
4.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL201118390
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2.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL201181896
2.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL201185210
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6.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL2011116805
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2.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL2011177499
3.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL2011200687
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6.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL201280422
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6.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL201294607
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6.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL2012184667
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6.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL2012217107
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6.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL201373949
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4.0000000000	20.0000000000	1.0000000000	N	UXHWYSAFT	SL2013105515
4.0000000000	20.0000000000	1.0000000000	S	UXHWYSAFT	SL2013127816
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4.0000000000	20.0000000000	1.0000000000	S	SALT LAKE	SL2013166411
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6.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL2013173958
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4.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL201435408
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4.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL201456654
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3.0000000000	21.0000000000	5.0000000000	N	SALT LAKE	SL201459182
2.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL201465470
4.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL201467949
4.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL201474972
3.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL201475572
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2.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL201492833
4.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL201495581
7.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL201499943
4.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL2014108358
2.0000000000	20.0000000000	1.0000000000	N	SALT LAKE	SL2014121756
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5.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201523184
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6.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201574336
3.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201586634
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6.0000000000	23.0000000000	1.0000000000	N	UT0180300	SL2015202316
4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2015204481
6.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2015218317
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5.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL20161959
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4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201645869
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7.0000000000	23.0000000000	1.0000000000	N	UT0180300	SL2016111650
4.0000000000	60.0000000000	8.0000000000	N	UT0180300	SL2016121379
4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2016125488
4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2016126931
0.0000000000	19.0000000000	1.0000000000	N	UT0180300	SL2016128325
1.0000000000	20.0000000000	9.0000000000	N	UT0180300	SL2016139685
4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2016140812
5.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2016141998
5.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2016155870
0.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2016156653
6.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2016159222
4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2016166108
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6.0000000000	20.0000000000	1.0000000000	S	UT0180300	SL2016192389
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4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2016204500
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3.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2016243311
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7.0000000000	22.0000000000	1.0000000000	N	SALT LAKE	SL2014119234
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4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201510891
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5.0000000000	20.0000000000	1.0000000000	N	UTUHP1300	15SL05508
5.0000000000	20.0000000000	1.0000000000	S	UT0180300	SL2015159155
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5.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL201686664
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4.0000000000	20.0000000000	1.0000000000	N	UT0180300	SL2015211653
3.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL202011200531
5.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL201066823
2.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL201070288
11.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL201076534
2.0000000000	20.0000000000	1.0000000000		UXHWYSAFT	SL202010183879

2.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL2010196380
2.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL2010207156
5.0000000000	21.0000000000	2.0000000000	UXHWYSAFT	SL2010220531
5.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL20113703
6.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL20116568
4.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL20116822
5.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL201175121
5.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL201198711
6.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL2011133253
6.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL2011146894
6.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL2011148192
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6.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL2011161207
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7.0000000000	20.0000000000	1.0000000000	UT0180300	SL2014161395
4.0000000000	20.0000000000	1.0000000000	UT0180300	SL2014175312
5.0000000000	20.0000000000	1.0000000000	UT0180300	SL2014195191
4.0000000000	20.0000000000	1.0000000000	UT0180300	SL2014199282
5.0000000000	20.0000000000	1.0000000000	UT0180300	SL201525078
5.0000000000	20.0000000000	1.0000000000	UT0180300	SL2015131313
5.0000000000	54.0000000000	5.0000000000	UT0180300	SL2015137420
5.0000000000	20.0000000000	1.0000000000	UT0180300	SL2015192231
6.0000000000	20.0000000000	1.0000000000	UT0180300	SL2015214979
6.0000000000	20.0000000000	1.0000000000	UT0180300	SL2015244684
6.0000000000	69.0000000000	7.0000000000	UT0180300	SL201667944
3.0000000000	20.0000000000	1.0000000000	UT0180300	SL2016110695
6.0000000000	20.0000000000	1.0000000000	UT0180300	SL2016202729
6.0000000000	20.0000000000	1.0000000000	UT0180300	SL2015192
2.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL201012070
6.0000000000	20.0000000000	1.0000000000	UTUHP1300	11SL01870
10.0000000000	20.0000000000	1.0000000000	UT0180300	SL201655122
7.0000000000	20.0000000000	1.0000000000	UTUHP1300	16SL04571
0.0000000000	20.0000000000	1.0000000000	UT0180300	SL2016186169
2.0000000000	20.0000000000	1.0000000000	SALT LAKE	SL2013199609
3.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL201218125
6.0000000000	20.0000000000	1.0000000000	SALT LAKE	SL201427625
3.0000000000	20.0000000000	1.0000000000	UT0180300	SL2016236070
5.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL201086796

2.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL20117736
5.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL2011182237
5.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL2011192130
4.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL201297852
4.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL2012105438
6.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL20131207
6.0000000000	20.0000000000	1.0000000000	UT0180300	SL2014219775
3.0000000000	20.0000000000	1.0000000000	UT0180300	SL201560384
4.0000000000	20.0000000000	1.0000000000	UT0180300	SL201653845
4.0000000000	20.0000000000	1.0000000000	UT0180300	SL201664357
3.0000000000	20.0000000000	1.0000000000	UT0180300	SL2015208208
10.0000000000	20.0000000000	1.0000000000	UT0180300	SL2015166849
3.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL201190176
0.0000000000	20.0000000000	1.0000000000	SALT LAKE	SL20147171
4.0000000000	20.0000000000	1.0000000000	SALT LAKE	SL201464905
4.0000000000	20.0000000000	6.0000000000	SALT LAKE	SL201486745
4.0000000000	20.0000000000	1.0000000000	UT0180300	SL201587210
4.0000000000	20.0000000000	1.0000000000	UT0180300	SL201594718
2.0000000000	20.0000000000	1.0000000000	UTUHP1300	16SL04815
6.0000000000	20.0000000000	1.0000000000	UT0180300	SL201516965
4.0000000000	20.0000000000	5.0000000000	UT0180300	SL2015127125
4.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL201262651
2.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL201118947
4.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL2011163640
2.0000000000	62.0000000000	1.0000000000	UXHWYSAFT	SL201238167
4.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL201036589
7.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL20109928
2.0000000000	21.0000000000	6.0000000000	UXHWYSAFT	SL2012213120
4.0000000000	20.0000000000	1.0000000000	SALT LAKE	SL2013178245
2.0000000000	41.0000000000	2.0000000000	UTUHP1300	12SL06106
2.0000000000	20.0000000000	2.0000000000	UTUHP1300	14SL1118
5.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL201036725
2.0000000000	23.0000000000	1.0000000000	UXHWYSAFT	SL2011180460
4.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL2012100906
2.0000000000	21.0000000000	2.0000000000	UXHWYSAFT	SL2012129071
3.0000000000	41.0000000000	1.0000000000	UTUHP1300	10SL08153
6.0000000000	23.0000000000	1.0000000000	UXHWYSAFT	SL201252049
6.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL2012137429
6.0000000000	20.0000000000	1.0000000000	UXHWYSAFT	SL2012148830
5.0000000000	22.0000000000	2.0000000000	UT0180300	SL2016234119

OFFICER__1	OFFICER_NO	OFFICER_AR	OFFICER_IN	OFFICER_RE	DOCUMENT_S
SALT LAKE CITY F	2-Dec	2-Dec	2-Dec		28-Mar
SALT LAKE CITY F	13-Apr	13-Apr		13-Apr	20-Oct
SALT LAKE POLIC	28-Jun	28-Jun	28-Jun		31-Jan
SALT LAKE CITY F	3-Mar	3-Mar	3-Mar	3-Mar	2-Sep
SALT LAKE CITY F	27-Jun	27-Jun	27-Jun	27-Jun	27-Apr
SALT LAKE CITY F	6-Aug	6-Aug		6-Aug	18-May
SALT LAKE CITY F	21-Aug	21-Aug			23-May
SALT LAKE CITY F	22-Oct	22-Oct	22-Oct	22-Oct	13-Jun
SALT LAKE CITY F	27-Mar	27-Mar	27-Mar	27-Mar	3-Oct
SALT LAKE CITY F	9-May	9-May	9-May	9-May	16-Nov
SALT LAKE CITY F	20-Aug	20-Aug	20-Aug	21-Aug	21-Feb
SALT LAKE CITY F	1-Nov	1-Nov	1-Nov	1-Nov	9-Apr
SALT LAKE CITY F	21-Jan	21-Jan	22-Jan	21-Jan	9-Oct
SALT LAKE CITY F	30-Jan		31-Jan	30-Jan	31-Oct
SALT LAKE CITY F	13-Feb	13-Feb	14-Feb	13-Feb	5-Nov
SALT LAKE CITY F	22-Feb	22-Feb	23-Feb	22-Feb	5-Nov
SALT LAKE CITY F	27-Feb	27-Feb	28-Feb	27-Feb	6-Nov
SALT LAKE CITY F	20-May	20-May	21-May	20-May	11-Nov
SALT LAKE POLIC	12-Sep	12-Sep	18-Sep		31-Jan
SALT LAKE POLIC	2-Dec	2-Dec	2-Dec		22-Dec
SALT LAKE CITY F	16-Sep	16-Sep	16-Sep		8-Oct
SALT LAKE POLIC	19-Oct	19-Oct	19-Oct		15-Dec
SALT LAKE CITY F	4-Jan	4-Jan	4-Jan		5-Jan
SALT LAKE CITY F	26-Jan	26-Jan	26-Jan		10-Feb
SALT LAKE CITY F	19-Mar	19-Mar	19-Mar		9-Nov
SALT LAKE CITY F	24-Mar	24-Mar	24-Mar		7-Jul
SALT LAKE CITY F	29-Mar	29-Mar	29-Mar		1-Apr
SALT LAKE CITY F	31-Jul	31-Jul	31-Jul		3-Apr
SALT LAKE CITY F	4-Jan	4-Jan	4-Jan	4-Jan	21-Jul
SALT LAKE CITY F	10-Dec	10-Dec	10-Dec		16-May
SALT LAKE CITY F	28-Feb	28-Feb	28-Feb		13-Mar
SALT LAKE POLIC	28-Apr	28-Apr	28-Apr		15-May
SALT LAKE CITY F	1-Feb	2-Feb	1-Feb		13-Mar
SALT LAKE CITY F	1-Sep	1-Sep	1-Sep		3-Apr
SALT LAKE CITY F	23-Jan	24-Jan	23-Jan		20-Feb
SALT LAKE CITY F	9-Nov	9-Nov	9-Nov		12-Nov
SALT LAKE CITY F	11-Jan	11-Jan	11-Jan		13-Jul
SALT LAKE CITY F	6-Apr	6-Apr	6-Apr	7-Apr	3-Oct
SALT LAKE CITY F	8-Nov	8-Nov	8-Nov		29-Nov
SALT LAKE CITY F	28-Jul	28-Jul			16-May
SALT LAKE CITY F	1-Feb	1-Feb	1-Feb	1-Feb	23-Aug
SALT LAKE CITY F	6-Sep	6-Sep	6-Sep	6-Sep	6-Mar
SALT LAKE CITY F	11-Apr	11-Apr	12-Apr	11-Apr	7-Nov
SALT LAKE CITY F	14-Jul	14-Jul	14-Jul		24-Jul

SALT LAKE CITY F	24-Feb	24-Feb	24-Feb		26-Feb
SALT LAKE CITY F	26-Mar	26-Mar	26-Mar		7-May
SALT LAKE CITY F	20-May	20-May	20-May		8-Jul
SALT LAKE CITY F	3-Jun	3-Jun	3-Jun		22-Jun
SALT LAKE CITY F	24-Aug	24-Aug	24-Aug		9-Sep
SALT LAKE CITY F	5-Feb	5-Feb	5-Feb		6-Feb
SALT LAKE CITY F	5-Mar	5-Mar	5-Mar		7-Mar
SALT LAKE CITY F	4-Apr	4-Apr	4-Apr		6-Apr
SALT LAKE CITY F	13-Oct	13-Oct	13-Oct		18-Oct
SALT LAKE CITY F	17-Jan	17-Jan	17-Jan	17-Jan	12-Aug
SALT LAKE CITY F	15-Sep	15-Sep		15-Sep	31-May
SALT LAKE CITY F	3-Jan	3-Jan	3-Jan	3-Jan	29-Sep
SALT LAKE CITY F	29-Mar	29-Mar	29-Mar		7-Apr
SALT LAKE CITY F	20-Mar	20-Mar	20-Mar		9-May
SALT LAKE CITY F	6-Oct	6-Oct	6-Oct		4-Nov
SALT LAKE CITY F	11-Mar	11-Mar	11-Mar		13-Mar
SALT LAKE CITY F	8-Jul	8-Jul	8-Jul		15-Aug
SALT LAKE POLIC	16-Aug	16-Aug	16-Aug		3-Jun
SALT LAKE CITY F	14-Dec	14-Dec	14-Dec		15-Dec
SALT LAKE CITY F	16-Mar	16-Mar	17-Mar		3-Apr
SALT LAKE CITY F	6-Feb	6-Feb	6-Feb		20-Feb
SALT LAKE CITY F	16-May	16-May	16-May		23-May
SALT LAKE POLIC	30-Aug	30-Aug	30-Aug		30-Apr
SALT LAKE CITY F	16-Jan	16-Jan	16-Jan		18-Jan
SALT LAKE CITY F	2-Apr	2-Apr	2-Apr	2-Apr	21-Sep
SALT LAKE CITY F	29-Sep	29-Sep	29-Sep	29-Sep	2-Jun
SOUTH SALT LAK	29-Oct	29-Oct	29-Oct	29-Oct	14-Jun
SALT LAKE CITY F	29-Jun	29-Jun	29-Jun	29-Jun	16-Feb
SALT LAKE CITY F	22-Sep	22-Sep	22-Sep	22-Sep	21-Mar
SALT LAKE CITY F	16-Oct	16-Oct	16-Oct	16-Oct	16-May
SALT LAKE CITY F	23-Dec	23-Dec	23-Dec	23-Dec	27-Jun
SALT LAKE CITY F	7-Jan	7-Jan	7-Jan	8-Jan	26-Jul
SALT LAKE CITY F	18-Jan	18-Jan	18-Jan	18-Jan	2-Aug
SALT LAKE CITY F	20-Feb	20-Feb	20-Feb	20-Feb	7-Sep
SALT LAKE CITY F	1-Mar	1-Mar	1-Mar	1-Mar	12-Sep
SALT LAKE CITY F	19-May	19-May	19-May	19-May	10-Jan
SALT LAKE CITY F	2-Jun	2-Jun	2-Jun	2-Jun	6-Feb
SALT LAKE CITY F	11-Jun	11-Jun	11-Jun	11-Jun	14-Feb
SALT LAKE CITY F	1-Oct	1-Oct	1-Oct	1-Oct	26-Mar
SALT LAKE CITY F	21-Nov	21-Nov	21-Nov	21-Nov	15-May
SALT LAKE CITY F	8-Jan	8-Jan	9-Jan	8-Jan	6-Sep
SALT LAKE CITY F	6-Mar	6-Mar	7-Mar	7-Mar	6-Nov
SALT LAKE CITY F	1-Apr	1-Apr	2-Apr	1-Apr	7-Nov
SALT LAKE POLIC	27-Sep	27-Sep	27-Sep		17-Feb
SALT LAKE CITY F	8-Nov	8-Nov	8-Nov		31-Jan
SALT LAKE POLIC	28-Feb	28-Feb	28-Feb		13-Mar
SALT LAKE CITY F	25-Apr	25-Apr	25-Apr		2-May

SALT LAKE POLIC	3-Jun	3-Jun	3-Jun		13-Jun
UHP.UT.USA	8-May	8-May	8-May	8-May	21-Sep
SALT LAKE CITY F	21-May	21-May	21-May		7-Jun
SALT LAKE CITY F	22-Jul	22-Jul	22-Jul		18-Sep
SALT LAKE CITY F	2-Oct	2-Oct	2-Oct		21-Oct
SALT LAKE CITY F	8-Apr	8-Apr	8-Apr		12-May
SALT LAKE CITY F	30-Jun	30-Jun	30-Jun		6-Jul
SALT LAKE CITY F	3-Jul	3-Jul	3-Jul		15-Aug
SALT LAKE CITY F	15-Dec	15-Dec	15-Dec		28-Jan
SSPD	29-Aug	29-Aug	29-Aug	29-Aug	5-Sep
SSPD	22-Mar	22-Mar	22-Mar	22-Mar	23-Mar
	15-Jul	15-Jul	15-Jul	15-Jul	17-Jul
UHPSL.UT.USA	17-Dec	17-Dec	17-Dec	17-Dec	26-Dec
SALT LAKE CITY F	7-Feb	7-Feb	7-Feb		11-Feb
SALT LAKE POLIC	3-Jul	3-Jul	3-Jul		10-Jul
UHP.UT.USA	22-Oct	22-Oct	22-Oct	22-Oct	30-Oct
SALT LAKE CITY F	24-Feb	24-Feb	24-Feb		26-Feb
SALT LAKE CITY F	19-May	19-May	24-May		31-May
SSPD	5-Oct	5-Oct	5-Oct	5-Oct	5-Oct
SSPD	1-Apr	1-Apr	1-Apr	1-Apr	9-Apr
SSPD	13-May	13-May	14-May	14-May	15-May
SALT LAKE CITY F	19-Apr	19-Apr		19-Apr	2-Nov
SALT LAKE POLIC	10-Jun	10-Jun	10-Jun		17-Nov
SALT LAKE CITY F	8-Jan	8-Jan		8-Jan	28-Jul
SALT LAKE CITY F	14-Jan	14-Jan	14-Jan	14-Jan	4-Aug
SALT LAKE CITY F	5-Mar	5-Mar		5-Mar	2-Sep
SALT LAKE CITY F	5-Mar	5-Mar			2-Sep
SALT LAKE CITY F	22-Mar	22-Mar		22-Mar	21-Sep
SALT LAKE CITY F	25-Mar	25-Mar	25-Mar	25-Mar	22-Sep
SALT LAKE CITY F	25-Mar	25-Mar	25-Mar	25-Mar	22-Sep
SALT LAKE CITY F	3-May	3-May		3-May	22-Nov
SALT LAKE CITY F	12-May	12-May		12-Apr	23-Nov
SALT LAKE CITY F	14-May	14-May		14-May	24-Nov
SALT LAKE CITY F	10-Jun	10-Jun		10-Jun	30-Mar
SALT LAKE CITY F	24-Jun	24-Jun	24-Jun	24-Jun	26-Apr
SALT LAKE CITY F	5-Jul	5-Jul		5-Jul	18-Nov
SALT LAKE CITY F	6-Jul	6-Jul	6-Jul	6-Jul	15-Dec
SALT LAKE CITY F	29-Jul	29-Jul	29-Jul	29-Jul	17-May
SALT LAKE CITY F	30-Jul	30-Jul	30-Jul	30-Jul	17-May
SALT LAKE CITY F	27-Aug	27-Aug		28-Aug	25-May
SALT LAKE CITY F	3-Sep	3-Sep	3-Sep	3-Sep	4-Oct
SALT LAKE CITY F	20-Sep	20-Sep	20-Sep	20-Sep	29-Sep
SALT LAKE CITY F	2-Oct	2-Oct	2-Oct	2-Oct	6-Jun
SALT LAKE CITY F	18-Oct	18-Oct	18-Oct	18-Oct	13-Jun
SALT LAKE CITY F	15-Nov	15-Nov	15-Nov	15-Nov	15-Jun
SALT LAKE CITY F	20-Dec	20-Dec	20-Dec	20-Dec	22-Jun
SALT LAKE CITY F	27-Dec	27-Dec	27-Dec	27-Dec	23-Jun

SALT LAKE CITY F	12-Jan	12-Jan	12-Jan	12-Jan	20-Jan
SALT LAKE CITY F	12-Jan	12-Jan	12-Jan	12-Jan	20-Jan
SALT LAKE CITY F	13-Jan	13-Jan	13-Jan	13-Jan	20-Jan
SALT LAKE CITY F	1-Feb	1-Feb	1-Feb	1-Feb	25-Jan
SALT LAKE CITY F	4-Feb	4-Feb	4-Feb	4-Feb	25-Jan
SALT LAKE CITY F	10-Feb	10-Feb	10-Feb	10-Feb	25-Jan
SALT LAKE CITY F	14-Mar	14-Mar	14-Mar	14-Mar	27-Jan
SALT LAKE CITY F	22-May	22-May	22-May	22-May	16-Feb
SALT LAKE CITY F	28-May	28-May	28-May	28-May	16-Feb
SALT LAKE CITY F	10-Jun	10-Jun	10-Jun	10-Jun	16-Feb
SALT LAKE CITY F	17-Jun	17-Jun	17-Jun	17-Jun	16-Feb
SALT LAKE CITY F	8-Aug	8-Aug	8-Aug	8-Aug	23-Mar
SALT LAKE CITY F	20-Jul	20-Jul	21-Jul		25-Jun
SALT LAKE CITY F	4-Aug	4-Aug	4-Aug	5-Aug	8-Mar
SALT LAKE CITY F	10-Aug	10-Aug	10-Aug	10-Aug	8-Mar
SALT LAKE CITY F	11-Aug	11-Aug	11-Aug	11-Aug	8-Mar
SALT LAKE CITY F	12-Aug	12-Aug	12-Aug	12-Aug	8-Mar
SALT LAKE CITY F	21-Sep	21-Sep	21-Sep	21-Sep	21-Mar
SALT LAKE CITY F	16-Oct	16-Oct	16-Oct	16-Oct	16-May
SALT LAKE CITY F	21-Oct	21-Oct	21-Oct	21-Oct	16-May
SALT LAKE CITY F	1-Dec	1-Dec	1-Dec	1-Dec	31-May
SALT LAKE CITY F	13-Dec	13-Dec	13-Dec	13-Dec	27-Jun
SALT LAKE CITY F	15-Jan	15-Jan	15-Jan	15-Jan	2-Aug
SALT LAKE CITY F	18-Jan	18-Jan	18-Jan	18-Jan	2-Aug
SALT LAKE CITY F	9-Feb	9-Feb	9-Feb	9-Feb	28-Aug
SALT LAKE CITY F	19-Feb	19-Feb	19-Feb	19-Feb	7-Sep
SALT LAKE CITY F	14-Mar	14-Mar	14-Mar	28-Mar	24-Sep
SALT LAKE CITY F	26-Mar	26-Mar	26-Mar	26-Mar	3-Oct
SALT LAKE CITY F	31-Mar	31-Mar	31-Mar	31-Mar	3-Oct
SALT LAKE CITY F	1-Apr	1-Apr	1-Apr	1-Apr	3-Oct
SALT LAKE CITY F	5-Apr	5-Apr	5-Apr	5-Apr	3-Oct
SALT LAKE CITY F	5-Apr	5-Apr	5-Apr	5-Apr	3-Oct
SALT LAKE CITY F	20-Apr	20-Apr	20-Apr	20-Apr	10-Oct
SALT LAKE CITY F	21-Apr	21-Apr	21-Apr	21-Apr	10-Oct
SALT LAKE CITY F	21-Apr	21-Apr	21-Apr	21-Apr	10-Oct
SALT LAKE CITY F	23-Apr	23-Apr	23-Apr	23-Apr	11-Oct
SALT LAKE CITY F	14-May	14-May	16-May	16-May	16-Nov
SALT LAKE CITY F	2-Jun	2-Jun	3-Jun	3-Jun	6-Feb
SALT LAKE CITY F	5-Jun	5-Jun	5-Jun	5-Jun	7-Feb
SALT LAKE CITY F	10-Jun	10-Jun	10-Jun	10-Jun	14-Feb
SALT LAKE CITY F	18-Jun	18-Jun	18-Jun	18-Jun	14-Feb
SALT LAKE CITY F	6-Jul	6-Jul	6-Jul	6-Jul	14-Feb
SALT LAKE CITY F	29-Aug	29-Aug	29-Aug	29-Aug	21-Feb
SALT LAKE CITY F	13-Sep	12-Sep	13-Sep	13-Sep	6-Mar
SALT LAKE CITY F	26-Sep	26-Sep	26-Sep	26-Sep	26-Mar
SALT LAKE CITY F	22-Oct	22-Oct	22-Oct	22-Oct	26-Mar
SALT LAKE CITY F	10-Dec	10-Dec	10-Dec	10-Dec	15-May

SALT LAKE CITY F	17-Dec	17-Dec	17-Dec	17-Dec	15-May
SALT LAKE CITY F	19-Dec	19-Dec	19-Dec	19-Dec	16-May
SALT LAKE CITY F	21-Dec	21-Dec	21-Dec	21-Dec	16-May
SALT LAKE CITY F	17-Jan	17-Jan	18-Jan	17-Jan	9-Oct
SALT LAKE CITY F	21-Jan	21-Jan	22-Jan	21-Jan	9-Oct
SALT LAKE CITY F	17-Feb	17-Feb	18-Feb	17-Feb	5-Nov
SALT LAKE CITY F	19-Feb	19-Feb	20-Feb	19-Feb	5-Nov
SALT LAKE CITY F	19-Feb	19-Feb	20-Feb	19-Feb	5-Nov
SALT LAKE CITY F	19-Mar	19-Mar	20-Mar	19-Mar	6-Nov
SALT LAKE CITY PD			3-Apr	2-Apr	7-Nov
SALT LAKE CITY F	9-Apr	9-Apr	10-Apr	9-Apr	7-Nov
SALT LAKE CITY F	18-Apr	18-Apr	19-Apr	18-Apr	7-Nov
SALT LAKE POLIC	15-May	15-May	15-May		31-Jan
SALT LAKE CITY F	28-May	28-May	29-May	28-May	2-Dec
SALT LAKE CITY F	6-Jul	6-Jul	7-Jul	6-Jul	5-Dec
SALT LAKE CITY F	10-Aug	10-Aug	11-Aug	10-Aug	5-Dec
SALT LAKE CITY F	23-Aug	23-Aug	24-Aug	23-Aug	5-Dec
SALT LAKE CITY F	17-Oct	17-Oct	17-Oct		31-Jan
SALT LAKE CITY F	24-Oct	24-Oct	24-Oct		31-Jan
SALT LAKE CITY F	31-Oct	31-Oct	31-Oct		31-Jan
SALT LAKE CITY F	10-Nov	10-Nov	10-Nov		31-Jan
SALT LAKE POLIC	13-Dec	13-Dec	13-Dec		31-Jan
SALT LAKE CITY F	17-Dec	17-Dec	17-Dec		31-Jan
SALT LAKE CITY F	17-Dec	17-Dec	17-Dec		31-Jan
SALT LAKE CITY F	4-Mar	4-Mar	4-Mar		18-Mar
SALT LAKE CITY F	25-Mar	25-Mar	25-Mar		21-May
SALT LAKE CITY F	8-Apr	8-Apr	8-Apr		10-Apr
SALT LAKE CITY F	10-Apr	10-Apr	10-Apr		17-Apr
SALT LAKE POLIC	12-Apr	12-Apr	13-Apr		13-Jun
SALT LAKE CITY F	23-Apr	23-Apr	23-Apr		24-Jun
SALT LAKE POLIC	27-Apr	27-Apr	27-Apr		26-Jun
SALT LAKE CITY F	9-May	9-May	9-May		16-May
SALT LAKE CITY F	10-May	10-May	10-May		8-Jul
SALT LAKE CITY F	18-May	18-May	18-May		22-May
SALT LAKE POLIC	7-Jun	7-Jun	7-Jun		25-Jun
SALT LAKE POLIC	12-Jun	12-Jun			26-Jun
SALT LAKE CITY F	19-Jun	20-Jun	19-Jun		17-Jul
SALT LAKE CITY F	2-Jul	2-Jul	2-Jul		17-Jul
SALT LAKE CITY F	21-Jul	21-Jul	21-Jul		30-Jul
SALT LAKE CITY F	5-Aug	5-Aug	5-Aug		13-Aug
SALT LAKE CITY F	30-Oct	30-Oct	30-Oct		28-Jan
SALT LAKE CITY F	8-Feb	8-Feb	8-Feb		1-Mar
SALT LAKE CITY F	7-Mar	7-Mar	7-Mar		13-Mar
SALT LAKE CITY F	13-Mar	14-Mar	13-Mar		4-Apr
SALT LAKE POLIC	13-Mar	13-Mar	13-Mar		16-Apr
SALT LAKE CITY F	14-Mar	14-Mar	14-Mar		19-Mar
SALT LAKE CITY F	24-Mar	24-Mar	24-Mar		4-Apr

SALT LAKE CITY F	28-Mar	28-Mar	20-Mar	24-Apr
SALT LAKE CITY F	3-Apr	3-Apr	3-Apr	7-May
SALT LAKE CITY F	17-Apr	17-Apr	17-Apr	6-May
SALT LAKE CITY F	25-Apr	25-Apr	25-Apr	29-Apr
SALT LAKE POLIC	29-Apr	30-Apr	29-Apr	10-May
SALT LAKE CITY F	17-May	17-May	17-May	27-May
SALT LAKE CITY F	13-Jul	13-Jul	13-Jul	29-Jul
SALT LAKE CITY F	20-Aug	20-Aug	20-Aug	19-Nov
SALT LAKE CITY F	21-Oct	21-Oct	21-Oct	4-Nov
SALT LAKE CITY F	24-Oct	24-Oct	24-Oct	13-Nov
SALT LAKE CITY F	13-Nov	13-Nov	13-Nov	9-Dec
SALT LAKE CITY F	27-Nov	27-Nov	27-Nov	9-Dec
SALT LAKE CITY F	4-Jan	4-Jan	4-Jan	5-Jan
SALT LAKE CITY F	8-Jan	8-Jan	8-Jan	22-Jun
SALT LAKE CITY F	12-Jan	12-Jan	12-Jan	11-Feb
SALT LAKE CITY F	18-Jan	18-Jan	18-Jan	19-Jan
SALT LAKE CITY F	7-Feb	7-Feb	7-Feb	7-Feb
SALT LAKE CITY F	9-Mar	9-Mar	9-Mar	8-Jul
SALT LAKE CITY F	16-Mar	16-Mar	16-Mar	8-Jul
SALT LAKE CITY F	25-Apr	25-Apr	25-Apr	29-Apr
SALT LAKE CITY F	5-May	5-May	5-May	30-Jun
SALT LAKE CITY F	18-May	18-May	18-May	21-May
SALT LAKE CITY F	13-Jun	13-Jun	13-Jun	22-Jun
SALT LAKE CITY F	23-Jun	23-Jun	23-Jun	15-Aug
SALT LAKE CITY F	6-Jul	6-Jul	6-Jul	3-Aug
SALT LAKE CITY F	12-Jul	12-Jul	12-Jul	13-Jul
SALT LAKE CITY F	14-Jul	14-Jul	14-Jul	20-Jul
SALT LAKE CITY F	16-Jul	16-Jul	16-Jul	2-Aug
SALT LAKE CITY F	1-Aug	1-Aug	1-Aug	4-Aug
SALT LAKE CITY F	2-Aug	2-Aug	2-Aug	4-Aug
SALT LAKE CITY F	4-Aug	4-Aug	4-Aug	13-Aug
SALT LAKE CITY F	23-Aug	23-Aug	23-Aug	15-Sep
SALT LAKE CITY F	24-Aug	24-Aug	24-Aug	9-Nov
SALT LAKE CITY F	27-Aug	27-Aug	27-Aug	30-Aug
SALT LAKE CITY F	6-Sep	6-Sep	6-Sep	5-Oct
SALT LAKE CITY F	9-Sep	9-Sep	9-Sep	11-Sep
SALT LAKE CITY F	9-Sep	9-Sep	9-Sep	28-Jan
SALT LAKE CITY F	10-Sep	10-Sep	10-Sep	9-Nov
SALT LAKE CITY F	10-Sep	10-Sep	10-Sep	11-Sep
SALT LAKE POLIC	21-Sep	21-Sep	21-Sep	9-Nov
SALT LAKE CITY F	2-Oct	2-Oct	2-Oct	30-Nov
SALT LAKE CITY F	13-Oct	13-Oct	13-Oct	28-Jan
SALT LAKE CITY F	17-Oct	17-Oct	17-Oct	26-Oct
SALT LAKE CITY F	31-Oct	31-Oct	31-Oct	3-Nov
SALT LAKE CITY F	31-Oct	31-Oct	31-Oct	5-Dec
SALT LAKE CITY F	3-Nov	3-Nov	3-Nov	11-Nov
SALT LAKE CITY F	15-Nov	15-Nov	15-Nov	28-Mar

SALT LAKE CITY F	23-Nov	23-Nov	23-Nov		28-Mar
SALT LAKE CITY F	25-Nov	25-Nov	25-Nov		30-Nov
SALT LAKE CITY F	30-Nov	30-Nov	30-Nov		28-Mar
SALT LAKE CITY F	20-Dec	20-Dec	20-Dec		13-Feb
SALT LAKE CITY F	28-Dec	28-Dec	28-Dec		3-Jan
SALT LAKE CITY F	30-Dec	30-Dec	30-Dec		9-Feb
SALT LAKE CITY F	31-Dec	31-Dec	31-Dec		28-Mar
SSPD	8-Jul	8-Jul	9-Jul	8-Jul	9-Jul
SALT LAKE POLIC	18-Jul	18-Jul	17-Jul		30-Jul
SALT LAKE CITY F	29-Jan	29-Jan	29-Jan		30-Jan
SALT LAKE CITY F	13-Oct	13-Oct	13-Oct	13-Oct	16-May
UHPDUI.UT.USA	12-May	12-May	12-May	12-May	17-May
SLCPD	29-May	29-May	29-May	29-May	29-Oct
UHPSL.UT.USA	9-Aug	9-Aug	9-Aug	9-Aug	13-Aug
SALT LAKE POLIC	10-Nov	10-Nov	10-Nov		31-Jan
SALT LAKE POLIC	6-Dec	6-Dec	6-Dec		24-May
SALT LAKE CITY F	15-Aug	15-Aug	15-Aug		2-Sep
SALT LAKE CITY F	16-Sep	16-Sep	16-Sep		8-Oct
SALT LAKE POLIC	16-Oct	16-Oct	16-Oct		2-Nov
SALT LAKE CITY F	9-Dec	10-Dec	9-Dec		14-Jan
SALT LAKE CITY F	17-Jan	17-Jan	17-Jan		20-Feb
SALT LAKE CITY F	20-Jan	20-Jan	20-Jan		28-Jan
SALT LAKE CITY F	19-Feb	19-Feb	19-Feb		8-Mar
UHP.UT.USA	20-Aug	20-Aug	20-Aug	20-Aug	24-Sep
SALT LAKE CITY F	23-Aug	24-Aug	23-Aug		27-Aug
SALT LAKE CITY F	3-Sep	3-Sep	3-Sep		16-Sep
SALT LAKE CITY F	5-Dec	6-Dec	5-Dec		9-Dec
SALT LAKE CITY F	1-Jan	1-Jan	1-Jan		2-Jan
SALT LAKE CITY F	8-Jan	8-Jan	8-Jan		22-Jun
SALT LAKE CITY F	3-Feb	4-Feb	3-Feb		14-Jul
SALT LAKE CITY F	2-Mar	2-Mar	2-Mar		15-Mar
SALT LAKE CITY F	5-Apr	5-Apr	5-Apr		6-Apr
SALT LAKE CITY F	21-Apr	21-Apr	21-Apr		22-Apr
SALT LAKE CITY F	17-May	17-May	17-May		30-Jun
SALT LAKE CITY F	18-May	18-May	18-May		20-May
SALT LAKE CITY F	29-May	29-May	29-May		30-May
SALT LAKE CITY F	11-Jul	11-Jul	11-Jul		20-Jul
SALT LAKE CITY F	13-Sep	13-Sep	13-Sep		9-Nov
SALT LAKE CITY F	14-Nov	14-Nov	14-Nov		28-Mar
SALT LAKE CITY F	19-Dec	20-Dec	19-Dec		13-Feb
UTA POLICE	27-Dec	27-Dec	27-Dec	27-Dec	27-Dec
SALT LAKE CITY F	3-Nov	3-Nov	3-Nov		19-Nov
SALT LAKE CITY F	1-Dec	1-Dec	1-Dec	1-Dec	31-May
SALT LAKE CITY F	18-Apr	18-Apr		18-Apr	2-Nov
SALT LAKE CITY F	24-Apr	24-Apr			4-Nov
SALT LAKE CITY F	4-May	4-May			28-Oct
SALT LAKE CITY F	20-Oct	20-Oct	20-Oct		13-Jun

SALT LAKE CITY F	10-Nov	10-Nov	10-Nov	10-Nov	15-Jun
SALT LAKE CITY F	30-Nov	30-Nov	30-Nov	30-Nov	16-Jun
SALT LAKE CITY F	24-Dec	24-Dec	24-Dec	24-Dec	23-Jun
SALT LAKE CITY F	7-Jan	7-Jan	7-Jan	7-Jan	9-Nov
SALT LAKE CITY F	12-Jan	12-Jan	12-Jan	12-Jan	20-Jan
SALT LAKE CITY F	13-Jan	13-Jan	13-Jan	18-Jan	20-Jan
SALT LAKE CITY F	11-May	11-May	11-May	11-May	10-Feb
SALT LAKE CITY F	20-Jun	20-Jun	20-Jun	20-Jun	16-Feb
SALT LAKE CITY F	12-Aug	12-Aug	12-Aug	12-Aug	8-Mar
SALT LAKE CITY F	2-Sep	2-Sep	2-Sep	2-Sep	23-Apr
SALT LAKE CITY F	4-Sep	4-Sep	4-Sep	4-Sep	21-Mar
SALT LAKE CITY F	21-Sep	21-Sep	21-Sep	21-Sep	21-Mar
SALT LAKE CITY F	24-Sep	24-Sep	24-Sep	24-Sep	21-Mar
SALT LAKE CITY F	7-Nov	7-Nov	7-Nov	7-Nov	24-May
SALT LAKE CITY F	23-Dec	23-Dec	23-Dec	23-Dec	27-Jun
SALT LAKE CITY F	20-Feb	20-Feb	20-Feb	20-Feb	7-Sep
SALT LAKE CITY F	22-Jul	22-Jul	22-Jul	22-Jul	21-Feb
SALT LAKE CITY F	31-Jul	31-Jul	31-Jul	31-Jul	21-Feb
SALT LAKE CITY F	24-Aug	24-Aug	24-Aug	24-Aug	21-Feb
SALT LAKE CITY F	26-Aug	26-Aug	26-Aug	27-Aug	21-Feb
SALT LAKE CITY F	17-Feb	17-Feb	18-Feb	17-Feb	5-Nov
SALT LAKE POLIC	5-Oct	5-Oct	5-Oct		22-Mar
SALT LAKE POLIC	2-Feb	2-Feb	2-Feb		13-Mar
SALT LAKE CITY F	16-Sep	16-Sep	16-Sep		11-Dec
SALT LAKE CITY F	7-Oct	7-Oct	7-Oct		30-Oct
SALT LAKE CITY F	7-Nov	7-Nov	7-Nov		15-Nov
SALT LAKE CITY F	14-Nov	14-Nov	14-Nov		29-Nov
SALT LAKE CITY F	11-Feb	12-Feb	11-Feb		25-Feb
SALT LAKE CITY F	17-Jul	17-Jul	17-Jul		29-Jul
SALT LAKE CITY F	26-Jul	26-Jul	26-Jul		28-Jul
SALT LAKE CITY F	6-Oct	6-Oct	6-Oct		31-Jan
SALT LAKE CITY F	8-Nov	9-Nov	8-Nov		20-Nov
SALT LAKE CITY F	27-Dec	28-Dec	27-Dec		28-Dec
SALT LAKE POLIC	20-Apr	20-Apr	20-Apr		27-May
SALT LAKE CITY F	22-Jun	22-Jun	22-Jun		29-Jun
SALT LAKE CITY F	29-Oct	29-Oct	29-Oct		17-Feb
SALT LAKE CITY F	1-Jan	1-Jan	1-Jan		20-Feb
SALT LAKE CITY F	21-Jan	21-Jan	21-Jan	21-Jan	21-Jun
UHP SL.UT.USA	21-Mar	21-Mar	21-Mar	21-Mar	22-Mar
SALT LAKE CITY F	31-Mar	31-Mar	31-Mar		28-Mar
UHP.UT.USA	25-Jun	25-Jun	25-Jun	25-Jun	8-Jul
SALT LAKE CITY F	4-Oct	4-Oct	4-Oct		8-Oct
SALT LAKE POLIC	19-Dec	19-Dec	19-Dec		31-Jan
SALT LAKE CITY F	1-Feb	1-Feb	1-Feb	1-Feb	23-Aug
SALT LAKE CITY F	19-Feb	19-Feb	19-Feb		25-Feb
SALT LAKE CITY F	19-Dec	19-Dec	19-Dec		20-Jan
SALT LAKE CITY F	21-May	21-May		21-May	29-Nov

SALT LAKE CITY F	14-Jan	14-Jan	14-Jan	14-Jan	23-Jan
SALT LAKE CITY F	29-Oct	29-Oct	29-Oct	29-Oct	16-May
SALT LAKE CITY F	15-Nov	15-Nov	15-Nov	15-Nov	24-May
SALT LAKE CITY F	10-Jun	10-Jun	10-Jun	10-Jun	14-Feb
SALT LAKE CITY F	22-Jun	22-Jun	22-Jun	22-Jun	14-Feb
SALT LAKE CITY F	3-Jan	3-Jan	4-Jan	7-Jan	16-Jul
SALT LAKE CITY F	18-Dec	18-Dec	18-Dec		31-Dec
SALT LAKE POLIC	7-Apr	7-Apr	7-Apr		19-Jun
SALT LAKE CITY F	29-Mar	29-Mar	29-Mar		28-Mar
SALT LAKE CITY F	14-Apr	14-Apr	14-Apr		6-Jul
SALT LAKE CITY F	30-Oct	30-Oct	30-Oct		13-Nov
SALT LAKE CITY F	2-Sep	3-Sep	2-Sep		16-Sep
SALT LAKE CITY F	6-Jun	6-Jun	6-Jun	6-Jun	16-Feb
SALT LAKE CITY F	14-Jan	14-Jan	14-Jan		23-Jan
SALT LAKE CITY F	22-Apr	23-Apr	22-Apr		14-May
SALT LAKE CITY F	29-May	29-May	29-May		26-Jun
SALT LAKE CITY F	18-May	18-May	18-May		19-May
SALT LAKE CITY F	29-May	29-May	29-May		22-Jun
UHP.UT.USA	6-Jul	6-Jul	6-Jul	6-Jul	7-Jul
SALT LAKE CITY F	30-Jan	30-Jan	30-Jan		20-Feb
SALT LAKE CITY F	11-Jul	11-Jul	11-Jul		29-Jul
SALT LAKE CITY F	16-Apr	16-Apr	16-Apr	16-Apr	10-Oct
SALT LAKE CITY F	2-Feb	2-Feb	2-Feb	2-Feb	25-Jan
SALT LAKE CITY F	28-Sep	28-Sep	28-Sep	28-Sep	21-Mar
SALT LAKE CITY F	6-Mar	6-Mar	6-Mar	6-Mar	20-Sep
SALT LAKE CITY F	1-Mar	1-Mar		1-Mar	17-Aug
SALT LAKE CITY F	17-Jan	17-Jan		17-Jan	12-Aug
SALT LAKE CITY F	13-Dec	13-Dec	13-Dec	13-Dec	15-May
SALT LAKE POLIC	8-Nov	8-Nov	8-Nov		31-Jan
UHPSL.UT.USA	25-Oct	25-Oct	25-Oct	25-Oct	29-Oct
UHP.UT.USA	23-Feb	23-Feb	23-Feb	23-Feb	17-Mar
SALT LAKE CITY F	1-Mar	1-Mar		1-Mar	2-Sep
SALT LAKE CITY F	26-Oct	26-Oct	26-Oct	26-Oct	16-May
SALT LAKE CITY F	15-Jun	15-Jun	15-Jun	15-Jun	14-Feb
SALT LAKE CITY F	26-Jul	26-Jul	26-Jul	2-Aug	21-Feb
UHPSL.UT.USA	26-Dec	26-Dec	26-Dec	26-Dec	2-Jan
SALT LAKE CITY F	29-Mar	29-Mar	29-Mar	29-Mar	3-Oct
SALT LAKE CITY F	8-Aug	8-Aug	8-Aug	8-Aug	21-Feb
SALT LAKE CITY F	25-Aug	25-Aug	25-Aug	25-Aug	21-Feb
SALT LAKE CITY F	16-Dec	16-Dec	16-Dec		13-Feb

EMS_TIME_C	EMS_TIME_A	ROUTE	ROADWAY_TY	ROUTE_DIRE	EXIT_NUMBE
Dec 2, 2016 2:39:00 PM		2128	M	P	
		2128	M	P	
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		2290	M	P	
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May 9, 2012 6:31:00 PM		2128	M	P	
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Jan 21, 2013 5:30:00 PM		2290	M	P	
Jan 30, 2013 1:32:00 PM		2290	M	P	
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	Mar 29, 2016 4:25:00 PM	Mar 29, 2016 4:34:00 PM	2290	M	P
Jul 31, 2016 8:20:00 PM	Jul 31, 2016 8:25:00 PM	2290	M	P	
Jan 4, 2010 2:46:00 PM	Jan 4, 2010 2:46:00 PM	2290	M	P	
Dec 10, 2013 2:03:00 PM	Dec 10, 2013 2:06:00 PM	2290	M	P	
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Feb 1, 2015 8:36:00 PM	Feb 1, 2015 8:39:00 PM	2128	M	P	
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Nov 8, 2014 5:35:00 PM	Nov 8, 2014 5:41:00 PM	2128	M	P	
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Jul 14, 2014 6:42:00 PM	Jul 14, 2014 6:47:00 PM	2254	M	P	
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Feb 24, 2015 4:47	Feb 24, 2015 4:55	2254	M	P
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May 20, 2015 6:07	May 20, 2015 6:07	2128	M	P
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Aug 24, 2015 2:42	Aug 24, 2015 2:46	2128	M	P
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		2128	M	P
Apr 4, 2016 6:25	Apr 4, 2016 6:29	2254	M	P
Oct 13, 2016 1:59	Oct 13, 2016 2:07	2254	M	P
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Mar 29, 2014 4:05	Mar 29, 2014 5:17	2128	M	P
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Oct 6, 2015 4:18	Oct 6, 2015 4:20	356700	M	P
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May 16, 2014 12:33	May 16, 2014 12:33	2128	M	P
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Jan 16, 2015 7:56	Jan 16, 2015 8:07	2128	M	P
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Oct 16, 2011 11:4	Oct 16, 2011 11:4	0201	M	P
		0201	M	P
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Jan 18, 2012 5:44	Jan 18, 2012 5:50	0201	M	P
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May 19, 2012 12:0	May 19, 2012 12:0	0201	M	P
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		0201	M	P
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		0201	M	P

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	0201	M	P
Oct 2, 2015 5:14:(Oct 2, 2015 5:17:(0201	M	P
	0201	M	P
	0201	M	P
Jul 3, 2016 2:50:0(Jul 3, 2016 2:58:0(0201	M	P
	2128	M	P
Aug 29, 2013 12:C Aug 29, 2013 12:0	2128	M	P
Mar 22, 2014 12:C Mar 22, 2014 12:C	2128	M	P
	0201	M	P
	0201	M	P
	2128	M	P
	0201	M	P
	2128	M	P
	0201	M	P
May 19, 2016 10:(May 19, 2016 10:(2128	M	P
	2128	M	P
Apr 1, 2014 12:00 Apr 1, 2014 12:00	2128	M	P
	0201	M	P
	0201	M	P
	2290	M	P
	2128	M	P
	2128	M	P
	2128	M	P
	2128	M	P
	2128	M	P
	2128	M	P
Mar 25, 2010 8:2(Mar 25, 2010 8:32	2128	M	P
	2128	M	P
	2128	M	P
	2290	M	P
	0269	M	P
	2128	M	P
Jul 5, 2010 1:46:0(Jul 5, 2010 1:52:0(2128	M	P
	2128	M	P
	2290	M	P
	0201	M	P
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Sep 3, 2010 8:51:(2128	M	P
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Dec 27, 2010 5:29 Dec 27, 2010 5:35	2128	M	P

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	2128	M	P	
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	2128	M	P	
May 22, 2011 5:1:	May 22, 2011 5:2:	2128	M	P
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Jul 20, 2011 4:08:	Jul 20, 2011 4:13:	2128	M	P
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Sep 21, 2011 1:56	Sep 21, 2011 2:03	2128	M	P
Oct 16, 2011 6:10	Oct 16, 2011 6:15	2128	M	P
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Dec 1, 2011 8:58:	Dec 1, 2011 9:05:	2128	M	P
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Jan 15, 2012 12:4:	Jan 15, 2012 12:5:	2128	M	P
Jan 18, 2012 6:16:	Jan 18, 2012 6:19:	2128	M	P
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		2305	M	P
Mar 14, 2012 7:14:	Mar 14, 2012 7:25	2128	M	P
Mar 26, 2012 3:58:	Mar 26, 2012 4:02	2128	M	P
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Apr 1, 2012 4:02:	Apr 1, 2012 4:10:	2128	M	P
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		2128	M	P
		2128	M	P
		2128	M	P
		2128	M	P
		2128	M	P
		2128	M	P
		2128	M	P
		2128	M	P
Jun 18, 2012 5:44	Jun 18, 2012 5:48:	2128	M	P
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		2128	M	P
		2128	M	P
Sep 26, 2012 5:02:00 PM		2128	M	P
Oct 22, 2012 1:32	Oct 22, 2012 1:37	2128	M	P
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	2128	M	P	
Dec 21, 2012 5:38	Dec 21, 2012 5:48	2128	M	P
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Jan 21, 2013 10:3	Jan 21, 2013 10:3	2128	M	P
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Feb 19, 2013 9:41	Feb 19, 2013 9:47	2128	M	P
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Mar 19, 2013 9:5	Mar 19, 2013 10:0	2128	M	P
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May 15, 2013 3:5	May 15, 2013 3:5	2128	M	P
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Mar 4, 2014 8:36	Mar 4, 2014 8:40	2128	M	P
Mar 25, 2014 9:0	Mar 25, 2014 9:0	2128	M	P
Apr 8, 2014 9:02	Apr 8, 2014 9:19	2128	M	P
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	2128	M	P	
	2128	M	P	
	2128	M	P	
May 10, 2014 2:5	May 10, 2014 2:5	2128	M	P
	2128	M	P	
Jun 7, 2014 9:44	Jun 7, 2014 9:49	2128	M	P
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	2128	M	P	
Jul 21, 2014 11:48	Jul 21, 2014 11:53	2128	M	P
Aug 5, 2014 3:55	Aug 5, 2014 4:00	2128	M	P
Oct 30, 2014 3:37:00 PM		2128	M	P
Feb 8, 2015 5:48	Feb 8, 2015 5:50	2128	M	P
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	2128	M	P	
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Mar 14, 2015 10:04:00 AM		2128	M	P
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	2128	M	P	
	2128	M	P	
	0269	M	P	
	2128	M	P	
	2292	M	P	
May 17, 2015 4:0	May 17, 2015 4:1	2128	M	P
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	2128	M	P	
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Oct 24, 2015 2:05	Oct 24, 2015 2:08	2128	M	P
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Nov 27, 2015 9:15	Nov 27, 2015 9:23	2128	M	P
Jan 4, 2016 5:15:C	Jan 4, 2016 5:19:0	2128	M	P
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Jan 18, 2016 5:03	Jan 18, 2016 5:07	2128	M	P
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May 5, 2016 1:18	May 5, 2016 1:21	2128	M	P
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Jul 16, 2016 2:47	Jul 16, 2016 2:50	2128	M	P
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Aug 2, 2016 6:34	Aug 2, 2016 6:44	2128	M	P
Aug 4, 2016 7:50:00 AM		2254	M	P
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Aug 27, 2016 4:28	Aug 27, 2016 4:38	2128	M	P
	2128	M	P	
Sep 9, 2016 4:10	Sep 9, 2016 4:15	2128	M	P
	2128	M	P	
	0201	M	P	
	2290	M	P	
	2290	M	P	
	2128	M	P	
	2128	M	P	
	2290	M	P	
Oct 31, 2016 6:38	Oct 31, 2016 6:43	2128	M	P
	2128	M	P	
	2128	M	P	
	2128	M	P	

Nov 23, 2016 1:03	Nov 23, 2016 1:07	2128	M	P
		2128	M	P
		2128	M	P
Dec 20, 2016 5:08	Dec 20, 2016 5:11	2128	M	P
		2128	M	P
		2128	M	P
		2128	M	P
Jul 8, 2016 12:00:	Jul 8, 2016 12:00:	0201	M	P
Jul 19, 2014 12:08	Jul 19, 2014 12:22	2128	M	P
		2305	M	P
		2128	M	P
		2128	M	P
		2128	M	P
		2128	M	P
		2128	M	P
		2128	M	P
		2128	M	P
Oct 16, 2014 8:33	Oct 16, 2014 8:40	2128	M	P
		2128	M	P
Jan 17, 2015 10:51	Jan 17, 2015 10:55	2128	M	P
		2128	M	P
		2128	M	P
Aug 20, 2015 12:00	Aug 20, 2015 12:00	2128	M	P
Aug 23, 2015 9:45	Aug 23, 2015 9:49	2128	M	P
		2128	M	P
Dec 5, 2015 10:44	Dec 5, 2015 10:46	2128	M	P
Jan 1, 2016 2:45:	Jan 1, 2016 2:50:0	2128	M	P
		2128	M	P
Feb 3, 2016 11:50	Feb 3, 2016 12:00	2128	M	P
		2128	M	P
Apr 5, 2016 7:02:	Apr 5, 2016 7:04:	2128	M	P
		2128	M	P
May 17, 2016 1:11	May 17, 2016 1:23	2128	M	P
May 18, 2016 5:11	May 18, 2016 5:19	2128	M	P
		2128	M	P
		2128	M	P
		2128	M	P
		2128	M	P
		2128	M	P
		2128	M	P
		2128	M	P
		2128	M	P
		0201	M	P
Dec 1, 2011 4:23:00 PM		0269	M	P
		0269	M	P
		0269	M	P
		2128	M	P
		0269	M	P

Nov 10, 2010 1:38	Nov 10, 2010 1:43	0269	M	P
		0269	M	P
		0269	M	P
		2128	M	P
		0269	M	P
		0269	M	P
		0269	M	P
		0269	M	P
Aug 12, 2011 10:2	Aug 12, 2011 10:2	0269	M	P
		0269	M	P
Sep 4, 2011 9:31:(Sep 4, 2011 9:35:(0269	M	P
		0269	M	P
		0269	M	P
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		0269	M	P
		0269	M	P
Jul 31, 2012 6:23:(Jul 31, 2012 6:28:(0269	M	P
		0269	M	P
Aug 26, 2012 8:58	Aug 26, 2012 9:02	0269	M	P
		0269	M	P
		0269	M	P
		2128	M	P
		0269	M	P
		0269	M	P
		2128	M	P
		0269	M	P
		2128	M	P
Jul 17, 2015 9:09:(Jul 17, 2015 9:14:(0269	M	P
		2128	M	P
Oct 6, 2015 10:02	Oct 6, 2015 10:09	0269	M	P
		0269	M	P
		0269	M	P
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		0269	M	P
		2128	M	P
Jan 21, 2010 8:24:	Jan 21, 2010 8:31:	2128	M	P
		0269	M	P
		2128	M	P
		0269	M	P
		0269	M	P
		2128	M	P
		356700	M	P
Feb 19, 2014 1:58	Feb 19, 2014 2:08	2128	M	P
Dec 19, 2016 6:11	Dec 19, 2016 6:19	2128	M	P
		2292	M	P

	2292	M	P	
	2292	M	P	
Nov 15, 2011 8:40:00	Nov 15, 2011 8:44:00	2292	M	P
	2292	M	P	
	2292	M	P	
Jan 3, 2013 11:17:00	Jan 3, 2013 11:21:00	2292	M	P
	2128	M	P	
Apr 7, 2015 8:24:00	Apr 7, 2015 8:27:00	2128	M	P
Mar 29, 2016 3:45:00	Mar 29, 2016 3:55:00	2292	M	P
	2292	M	P	
Oct 30, 2015 2:46:00	Oct 30, 2015 2:48:00	2292	M	P
Sep 2, 2015 3:38:00	Sep 2, 2015 3:44:00	2292	M	P
	2305	M	P	
	2305	M	P	
	2128	M	P	
May 29, 2014 12:00:00	May 29, 2014 12:00:00	2305	M	P
	2128	M	P	
	2305	M	P	
	0015	R	P	305
	2305	M	P	
Jul 11, 2015 6:30:00	Jul 11, 2015 6:43:00	2128	M	P
	2128	M	P	
	2128	M	P	
	2128	M	P	
	2128	M	P	
Mar 1, 2010 1:50:00	Mar 1, 2010 2:00:00	2128	M	P
Jan 17, 2010 8:19:00	Jan 17, 2010 8:26:00	2128	M	P
	356700	M	P	
	2128	M	P	
	0015	R	P	305
	0015	R	P	305
	356700	M	P	
	2128	M	P	
	2128	M	P	
	2128	M	P	
	0201	M	P	
Mar 29, 2012 6:35:00	Mar 29, 2012 6:40:00	2128	M	P
	2128	M	P	
Aug 25, 2012 12:35:00 PM		2128	M	P
Dec 16, 2016 10:40:00	Dec 16, 2016 10:40:00	2128	M	P

#####	#####	#####	2100 S, at 300 W	2.0000000000	0.0000000000
#####	#####	#####	2100 S, 100 Feet E	2.0000000000	0.0000000000
#####	#####	#####	2100 S, at 300 W	2.0000000000	0.0000000000
#####	#####	#####	2100 S, at 300 W	2.0000000000	0.0000000000
#####	#####	#####	2100 S, at 300 W	3.0000000000	0.0000000000
#####	#####	#####	2100 S, 200 Feet W	2.0000000000	0.0000000000
#####	#####	#####	2100 S, at 320 W	2.0000000000	0.0000000000
#####	#####	#####	2100 S, at 290 W	2.0000000000	0.0000000000
#####	#####	#####	2100 S, at 328 W	2.0000000000	0.0000000000
#####	#####	#####	2100 S 300 W	2.0000000000	0.0000000000
#####	#####	#####	2100 S 300 W	2.0000000000	0.0000000000
#####	#####	#####	2100 SOUTH, 300	2.0000000000	0.0000000000
#####	#####	#####	2100 SOUTH, 250	2.0000000000	0.0000000000
#####	#####	#####	2100 SOUTH, at 300	2.0000000000	0.0000000000
#####	#####	#####	2100 SOUTH, at 300	2.0000000000	0.0000000000
#####	#####	#####	2100 SOUTH, at 300	2.0000000000	0.0000000000
#####	#####	#####	2100 SOUTH, 30 Feet	2.0000000000	0.0000000000
#####	#####	#####	2100 SOUTH, at 300	2.0000000000	0.0000000000
#####	#####	#####	2100 SOUTH 300 Feet	2.0000000000	0.0000000000
#####	#####	#####	2101 SOUTH 300 Feet	2.0000000000	0.0000000000
#####	#####	#####	261 W 2100 S	1.0000000000	0.0000000000
#####	#####	#####	285 W, at 2100 S	2.0000000000	0.0000000000
#####	#####	#####	300, at W 1300 S	1.0000000000	0.0000000000
#####	#####	#####	300 W, at HARTWELL	1.0000000000	0.0000000000
#####	#####	#####	300 W, at 1500 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at HANSELL	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 900S	2.0000000000	0.0000000000
#####	#####	#####	300 W, 50 Feet S of	1.0000000000	0.0000000000
#####	#####	#####	300 W, at 800 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, 25 Feet N of	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1700 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1735 S	3.0000000000	0.0000000000
#####	#####	#####	300 W, at 1300 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 600 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 2100 S	3.0000000000	0.0000000000
#####	#####	#####	300 W, at 800 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1300 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1300 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 2100 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 2100 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1300 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1846 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, 30 Feet S of	2.0000000000	0.0000000000
#####	#####	#####	300 W, at HOPE AVE	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 800 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at HARTWELL	3.0000000000	0.0000000000
#####	#####	#####	300 W, at 935 S	3.0000000000	0.0000000000

#####	#####	#####	300 W, at 1400 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 2005 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 600 S	4.0000000000	0.0000000000
#####	#####	#####	300 W, at 2100 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 800 SOI	3.0000000000	0.0000000000
#####	#####	#####	300 W, at HOPE A	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 2080 S	1.0000000000	0.0000000000
#####	#####	#####	300 W, at 2006 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1300 S	1.0000000000	0.0000000000
#####	#####	#####	300 W, at 1388 S	3.0000000000	0.0000000000
#####	#####	#####	300 W, at 600 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at BROOKI	1.0000000000	0.0000000000
#####	#####	#####	300 W, 50 Feet S c	3.0000000000	0.0000000000
#####	#####	#####	300 W, at 1400 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1546 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, 500 Feet S	2.0000000000	0.0000000000
#####	#####	#####	300 W, 75 Feet S c	2.0000000000	0.0000000000
#####	#####	#####	300 W, at WHITNI	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1300 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at WHITNI	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1202 S	3.0000000000	0.0000000000
#####	#####	#####	300 W, at 1400 S	1.0000000000	0.0000000000
#####	#####	#####	300 W, at 1700 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 800 S	1.0000000000	0.0000000000
#####	#####	#####	300 W, at 1763 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1195 S	3.0000000000	0.0000000000
#####	#####	#####	300 W, at 2005 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, 200 Feet N	1.0000000000	0.0000000000
#####	#####	#####	300 W, at 1335 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at LUCY A\	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1700 S	3.0000000000	0.0000000000
#####	#####	#####	300 W, at 1700 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 2100 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 2090 S	3.0000000000	0.0000000000
#####	#####	#####	300 W, at 1300 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1700 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 920 SOI	1.0000000000	0.0000000000
#####	#####	#####	300 W, at 2100 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1300 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1300 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1315 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1972 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1300 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, 3000 Feet	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 1130 S	1.0000000000	0.0000000000
#####	#####	#####	300 W, at 600 S	2.0000000000	0.0000000000
#####	#####	#####	300 W, at 900 SOI	2.0000000000	0.0000000000

	#####	#####	#####	800 S, at 300 W	2.0000000000	0.0000000000
	#####	#####	#####	800 S, at 300 W	2.0000000000	0.0000000000
	#####	#####	#####	800 S, at 300 W	2.0000000000	0.0000000000
	#####	#####	#####	800 S, at 300 W	2.0000000000	0.0000000000
	#####	#####	#####	800 S, at 300 W	2.0000000000	0.0000000000
	#####	#####	#####	800 S, at 300 W	3.0000000000	0.0000000000
	#####	#####	#####	800 S, at 300 W	2.0000000000	0.0000000000
	#####	#####	#####	800 S, at 300 W	2.0000000000	0.0000000000
	#####	#####	#####	800 S, at 300 W	2.0000000000	0.0000000000
	#####	#####	#####	800 S, at 275 WES	3.0000000000	0.0000000000
	#####	#####	#####	800 S 300 W	2.0000000000	0.0000000000
	#####	#####	#####	800 SOUTH, at 30	2.0000000000	0.0000000000
	#####	#####	#####	900 S, at 300 W	2.0000000000	0.0000000000
	#####	#####	#####	900 S, at 300 W	2.0000000000	0.0000000000
	#####	#####	#####	900 S, at 300 W	2.0000000000	0.0000000000
	#####	#####	#####	900 S, at 278 W	1.0000000000	0.0000000000
	#####	#####	#####	900 S, at 300 W	3.0000000000	0.0000000000
	#####	#####	#####	900 S, at 259 W	2.0000000000	0.0000000000
13	#####	#####	#####	900 S I-15 NB OFF	3.0000000000	0.0000000000
	#####	#####	#####	900 SOUTH, at 30	2.0000000000	0.0000000000
	#####	#####	#####	930 S, at 300 W	2.0000000000	0.0000000000
	#####	#####	#####	ALBERMARLE, at 3	2.0000000000	0.0000000000
	#####	#####	#####	ALBERMARLE AVE	2.0000000000	0.0000000000
	#####	#####	#####	ALBERMARLE AVE	3.0000000000	0.0000000000
	#####	#####	#####	FAYETTE AVE, at 3	1.0000000000	0.0000000000
	#####	#####	#####	HANSEN AVE, at 3	2.0000000000	0.0000000000
	#####	#####	#####	HARTWELL AVE, a	3.0000000000	0.0000000000
	#####	#####	#####	HOPE AVE, at 350	2.0000000000	0.0000000000
	#####	#####	#####	HOPE AVE, at 300	2.0000000000	0.0000000000
13	#####	#####	#####	I-15, 1 Tenth(s) of	1.0000000000	0.0000000000
13	#####	#####	#####	I-15 COLLECTER 9I	1.0000000000	0.0000000000
	#####	#####	#####	LUCY AVE, at 300	2.0000000000	0.0000000000
	#####	#####	#####	LUCY AVE, at 300	1.0000000000	0.0000000000
	#####	#####	#####	LUCY AVE, at 300	2.0000000000	0.0000000000
	#####	#####	#####	PAXTON AVE, at 3	2.0000000000	0.0000000000
	#####	#####	#####	SR 201, 5 Tenth(s)	1.0000000000	0.0000000000
	#####	#####	#####	STATE ST, at 700 S	1.0000000000	0.0000000000
	#####	#####	#####	STATE ST, at 2010	2.0000000000	0.0000000000
	#####	#####	#####	STATE ST, at 600 S	3.0000000000	0.0000000000
	#####	#####	#####	WHITNEY AVE, at	1.0000000000	0.0000000000

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F	Y	N	N	N	N
F	Y	Y	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
S	N	N	N	N	N
F	Y	Y	N	N	N
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F	N	N	N	N	N
F	Y	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	Y	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
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F	N	N	N	N	N
F	N	N	N	N	N
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F	Y	N	N	N	Y
S	N	N	N	N	N
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S	Y	N	N	N	N
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F	N	N	N	N	N
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S	Y	N	N	N	N
F	N	N	N	N	N
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S	Y	N	N	N	Y
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S	Y	N	N	N	N
S	N	N	N	N	N
F	Y	N	N	N	N
S	N	N	N	N	N
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S	Y	N	N	N	N
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S	Y	Y	N	N	N
S	N	N	N	N	N
S	Y	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
S	N	N	N	N	N
F	N	N	N	N	N
S	N	N	N	N	N
S	N	N	N	N	N
F	N	Y	N	N	N
L	N	N	N	N	N
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F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	Y	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
F	N	N	N	N	N
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