



OREGON DEPARTMENT OF TRANSPORTATION SAFETY INVESTIGATIONS MANUAL CRASH PATTERN WORKSHEET - SEGMENTS

Prepared By: A. Salyer Title: Traffic Investigations Engineer Date Compiled: 11/9/2016

Investigation Name: Franklin Blvd Crash History Region: 2 District: 5

Route Number: OR126 BUS Hwy Number: 015 Hwy Name: Mckenzie MP From: 0.20 To: 1.22

Road Character: URBAN Functional Class: URBAN PRINCIPAL ARTERIAL

County: Lane City: Springfield Crash Data From: 1/1/1995 To: 12/31/2015

TRAFFIC VOLUME 14,000 ADT (average)

SPIS INFORMATION
Year: _____
5% or 10% _____

CRASH TOTALS

Severity	Crash	Obs %	Ex %	P(Norm)
Fatal+ Inj A	10	3.2%	2.7%	32.7%
Injury B+C	128	41.0%	45.2%	93.7%
PDO	174	55.8%	52.1%	11.0%
Total	312	100.0%	100.0%	

CRASH PATTERNS

Collision Type (All)

Collision Type	Crash	Obs %	Ex %	P(Norm)
Angle	10	3.2%	1.3%	0.7%
Head-on	2	0.6%	1.0%	81.3%
Rear	164	52.6%	48.1%	6.5%
Sideswipe-Meet	1	0.3%	1.1%	97.0%
Sideswipe-Over	22	7.1%	14.3%	100.0%
Turn	70	22.4%	20.7%	25.0%
Parked	1	0.3%	1.0%	95.0%
NonCollision	1	0.3%	0.6%	86.9%
Backing	7	2.2%	0.8%	1.7%
Pedestrian	2	0.6%	1.9%	98.3%
Fixed Object	32	10.3%	7.9%	7.8%
Other	0	0.0%	1.2%	
Total	312	100%	100%	

Collision Type (F & A)

Collision Type	Crash	Obs %	Ex %	P(Norm)
Angle	1	10.0%	2.0%	18.7%
Head-on	0	0.0%	8.2%	
Rear	1	10.0%	20.3%	89.6%
Sideswipe-Meet	0	0.0%	3.1%	
Sideswipe-Over	0	0.0%	3.1%	
Turn	0	0.0%	17.8%	
Parked	0	0.0%	0.1%	
NonCollision	1	10.0%	1.8%	16.2%
Backing	0	0.0%	0.3%	
Pedestrian	2	20.0%	22.2%	68.7%
Fixed Object	5	50.0%	20.1%	3.4%
Other	0	0.0%	1.0%	
Total	10	100%	100%	

Bike/Pedestrian

Category	Crash	Obs %	Ex %	P(Norm)
Bike	6	1.92%	2.00%	59.3%
Pedestrian	2	0.64%	1.92%	98.3%
Pedestrian Involved	2	0.64%	2.35%	99.5%
Total	10	3%	6.26%	

Crashes Involving

Category	Crash	Obs %	Ex %	P(Norm)
Multiple Vehicles	272	87.2%	87.0%	51.4%
Single Vehicle	40	12.8%	13.0%	55.4%
Total	312	100%	100%	

Time

Time	Crash	Obs %	Ex %	P(Norm)
12-3 AM	13	4.2%	2.1%	1.6%
3-6 AM	6	1.9%	1.6%	39.3%
6-9 AM	29	9.3%	8.9%	43.0%
9-Noon	42	13.5%	13.1%	45.8%
12-3 PM	66	21.2%	24.2%	90.6%
3-6 PM	117	37.5%	31.8%	1.9%
6-9 PM	27	8.7%	12.6%	98.9%
9-Mid	10	3.2%	4.9%	94.5%
UNKNOWN	2	0.6%	0.7%	66.6%
Total	312	100%	100%	

Weekday

Day	Crash	Obs %	Ex %	P(Norm)
Sunday	16	5.1%	8.1%	98.5%
Monday	51	16.3%	14.5%	20.4%
Tuesday	37	11.9%	15.7%	97.8%
Wednesday	57	18.3%	15.6%	10.8%
Thursday	58	18.6%	15.6%	8.5%
Friday	59	18.9%	18.4%	42.9%
Saturday	34	10.9%	12.1%	76.0%
Total	312	100%	100%	

CRASH RATES

	Invs. Rate	Peer Rate	Critical Rate	Flag?
All Crashes	2.85	2.28	2.52	YES

State Rate: 2.64 State Rate Year: 2014
State Rate Type: Urban Hwy System:
Other Principal Arterials

Light Cond.

Light Cond.	Crash	Obs %	Ex %	P(Norm)
DAWN	4	1.3%	1.8%	81.0%
DAY	249	79.8%	76.3%	7.9%
DLIT	45	14.4%	14.3%	50.8%
DARK	6	1.9%	3.9%	98.4%
DUSK	8	2.6%	3.5%	85.0%
UNK	0	0.0%	0.2%	
Total	312	100%	100%	

Surface Cond.

Surface Cond.	Crash	Obs %	Ex %	P(Norm)
DRY	217	69.6%	72.3%	87.0%
ICE	10	3.2%	1.7%	4.8%
WET	84	26.9%	22.5%	3.9%
SNOW	0	0.0%	0.5%	
UNK	1	0.3%	3.0%	100.0%
Total	312	100%	100%	

Weather Cond.

Weather Cond.	Crash	Obs %	Ex %	P(Norm)
Clear	205	65.7%	66.8%	68.1%
Cloudy	32	10.3%	11.5%	77.8%
Rain	71	22.8%	16.4%	0.2%
Stee/Frz Rain/Hai	0	0.0%	0.2%	
Fog	3	1.0%	0.8%	46.3%
Snow	0	0.0%	0.9%	
Dust	0	0.0%	0.0%	
Smoke	0	0.0%	0.0%	
Ash	0	0.0%	0.0%	
Unknown	1	0.3%	3.4%	100.0%
Total	312	100%	100%	

On Roadway

Location	Crash	Obs %	Ex %	P(Norm)
Intersection	113	36.2%	0.2%	0.0%
Alley	29	9.3%	22.3%	100.0%
Straight	131	42.0%	61.2%	100.0%
Transition	2	0.6%	0.3%	24.6%
Curve	3	1.0%	1.3%	75.1%
Open Access	0	0.0%	0.1%	
Grade	0	0.0%	1.3%	
Bridge	1	0.3%	2.1%	99.9%
Tunnel	0	0.0%	0.0%	
Unknown	0	0.0%	0.1%	
Total	279	89%	89%	

Off Roadway

Location	Crash	Obs %	Ex %	P(Norm)
Intersection	3	1.0%	0.0%	0.0%
Alley	1	0.3%	1.8%	99.6%
Straight	24	7.7%	7.3%	43.2%
Transition	0	0.0%	0.0%	
Curve	3	1.0%	1.2%	74.4%
Open Access	0	0.0%	0.0%	
Grade	2	0.6%	0.4%	34.0%
Bridge	0	0.0%	0.3%	
Tunnel	0	0.0%	0.0%	
Unknown	0	0.0%	0.0%	
Total	33	11%	11%	

NOTES
State Rate for Urban Hwy Systems, Principal Arterials:
For Urban Cities: 2.93
For Suburban Areas: 1.70

Driver Age

Age Group	Crash	Obs %	Ex %	P(Norm)
<15	0	0.0%	0.0%	
15-18	32	5.2%	4.4%	17.9%
19-21	56	9.1%	6.8%	1.8%
22-24	37	6.0%	6.2%	57.8%
25-34	94	15.3%	18.2%	97.5%
35-44	94	15.3%	15.5%	56.9%
45-54	96	15.7%	14.6%	23.4%
55-64	83	13.5%	12.4%	20.6%
65-74	31	5.1%	6.5%	93.7%
>74	23	3.8%	3.6%	47.2%
Not Stated	67	10.9%	11.8%	76.1%
Total	613	100%	100%	

Sex of Driver

Sex	Crash	Obs %	Ex %	P(Norm)
Male	350	57.1%	52.4%	1.1%
Female	231	37.7%	45.3%	100.0%
Not Stated	32	5.2%	2.3%	0.0%
Total	613	100%	100%	

Residence of Driver

Residence	Crash	Obs %	Ex %	P(Norm)
Non-resident	10	1.6%	5.5%	100.0%
Local	523	85.3%	79.4%	0.0%
In-state resident	27	4.4%	8.0%	100.0%
Not Stated	53	8.6%	7.1%	8.3%
Total	613	100%	100%	

Cause Codes

Cause Code	Crash	Obs %	Ex %	P(Norm)
TOO-CLOS	41	12.4%	37.6%	100.0%
TOO-FAST	131	39.7%	4.9%	0.0%
NO-YIELD	48	14.5%	18.6%	97.9%
OTHR-IMP	21	6.4%	4.9%	13.0%
IMP LN C	3	0.9%	12.4%	100.0%
INATTENT	11	3.3%	4.2%	83.0%
DIS-RAG	16	4.8%	0.3%	0.0%
IMP-TURN	15	4.5%	3.4%	15.3%
OTHER	3	0.9%	1.6%	88.8%
CARELESS	8	2.4%	3.7%	92.5%
FATIGUE	0	0.0%	1.3%	
LEFT-CTR	4	1.2%	1.0%	42.8%
SPEED	0	0.0%	0.5%	
PHANTOM	0	0.0%	0.6%	
IMP-OVER	22	6.7%	0.8%	0.0%
RECKLESS	2	0.6%	2.0%	99.1%
PAS-STOP	0	0.0%	0.0%	
IN RDWY	1	0.3%	1.4%	98.9%
MECH-DEF	0	0.0%	0.1%	
LOADSHFT	0	0.0%	0.1%	
NT VISBL	0	0.0%	0.1%	
DIS TCD	1	0.3%	0.3%	63.7%
WRNG WAY	0	0.0%	0.1%	
IMP PKNG	3	0.9%	0.1%	0.2%
Total	330	100%	100%	