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Gorham Bypass Study : Intersection Summaries, 2000

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GORHAM BY-PASS STUDY

Unsignalized Intersection Summary

Intersection	Time Period	Approach	Delay (sec)	LOS	V/C Ratio	Analysis Tool
Route 202/4 @ Cressey Road	1999 AM Peak Hour	Route 202/4 - EB Left	7.8	A	0.02	HCS Release 3.1b
		Cressey Road - SB Left/Right	8.6	A	0.21	
	1999 PM Peak Hour	Route 202/4 - EB Left	8.3	A	0.03	
		Cressey Road - SB Left/Right	8.5	A	0.04	
Flaggy Meadow Road @ Cressey Road	1999 AM Peak Hour	Flaggy Meadow - EB Left	7.3	A	0.01	HCS Release 3.1b
		Flaggy Meadow - WB Left	7.7	A	0.01	
		Cressey Road - NB LT/TH/RT	12.2	B	0.11	
		Cressey Road - SB LT/TH/RT	15.7	C	0.44	
	1999 PM Peak Hour	Flaggy Meadow - EB Left	7.5	A	0.00	
		Flaggy Meadow - WB Left	7.4	A	0.00	
Route 25 @ Cressey Road	1999 AM Peak Hour	Route 25 - WB Left	9.8	A		HCS Release 2.1g*
		Cressey Road NB - Left/Right	29.8	D		
	1999 PM Peak Hour	Route 25 - WB Left	4.7	A		
		Cressey Road NB - Left/Right	70.3	F		
Route 25 @ Flaggy Meadow Road	1999 AM Peak Hour	Route 25 - EB Left	8.0	A	0.14	HCS Release 3.1b
		Route 25 - WB Left	11.2	B	0.15	
		Flaggy Meadow - NB LT/TH/RT	518.5	F	2.01	
		Flaggy Meadow - SB LT/TH/RT	-	-	-	
	1999 PM Peak Hour	Route 25 - EB Left	9.6	A	0.03	
		Route 25 - WB Left	8.5	A	0.12	
Route 25 @ Route 202/4 (West)	1999 AM Peak Hour	Route 25 - EB Left	8.3	A	0.00	HCS Release 3.1b
		Route 25 - WB Left	16.9	C	0.46	
		Route 202/4 - NB Left	277.2	F	0.45	
		Route 202/4 - NB TH/RT	383.1	F	1.69	
	1999 PM Peak Hour	Route 25 - EB Left	10.4	B	0.00	
		Route 25 - WB Left	10.2	B	0.33	
		Route 202/4 - NB Left	381.6	F	0.65	
		Route 202/4 - NB TH/RT	333.8	F	1.58	
Route 25 @ Route 202/4 (East)	1999 AM Peak Hour	Route 25 - EB Left	8.6	A	0.13	HCS Release 3.1b
		Route 202 - SB Left/Right	23.7	C	0.60	
	1999 PM Peak Hour	Route 25 - EB Left	10.0	A	0.22	
		Route 202 - SB Left/Right	29.3	D	0.61	
New Portland Road @ Brackett Road	1999 AM Peak Hour	New Portland - EB Left	3.0	A		HCS Release 2.1g*
		New Portland - WB Left	6.6	A		
		Brackett Road - NB LT/TH/RT	23.7	C		
		Libby Street - SB LT/TH/RT	31.1	D		
	1999 PM Peak Hour	New Portland - EB Left	4.3	A		
		New Portland - WB Left	3.9	A		
Route 114 @ Day Road	1999 AM Peak Hour	Route 114 - SB Left	8.2	A	0.08	HCS Release 3.1b
		Day Road - WB Left/Right	11.5	B	0.04	
	1999 PM Peak Hour	Route 114 - SB Left	9.8	A	0.04	
		Day Road - WB Left/Right	24.1	C	0.41	

* Note - Delays from the output of HCS 2.1g have been multiplied by 1.3 to match HCS3.1b delay range

LOS	Delay Range (seconds)
	HCS 3.1b & HCS 2.1g (multiplied by 1.3)
A	<=10
B	>10 and <=15
C	>15 and <=25
D	>25 and <=35
E	>35 and <=50
F	>50

GORHAM BY-PASS STUDY
Signalized Intersection Summary

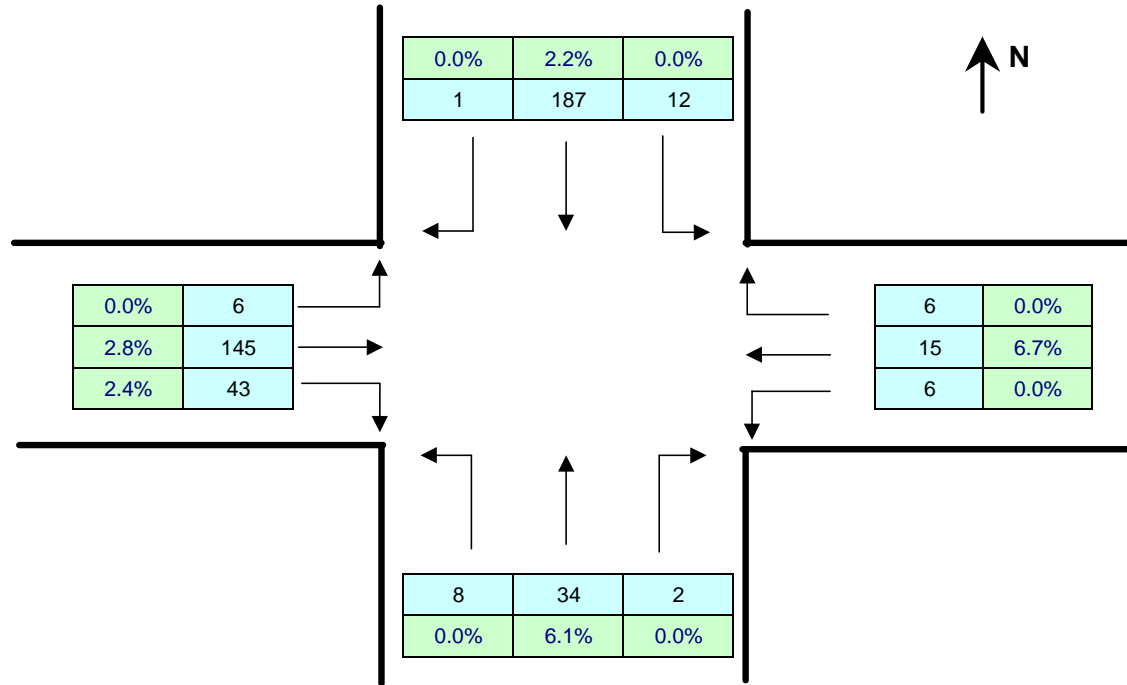
Intersection	Time Period	Approach	Delay (sec)	LOS	V/C Ratio	Analysis Tool
Route 25 @ Route 114	1999 AM Peak Hour	Route 25 - EB Left/Thru	233.7	F	1.31	HCS Release 3.1b
		Route 25 - EB Right	30.7	C	0.75	
		Route 25 - WB Left	68.3	E	0.82	
		Route 25 - WB Thru	15.9	B	0.51	
		Route 25 - WB Right	12.4	B	0.18	
		Route 114 - NB Left	18.6	B	0.26	
		Route 114 - NB Thru/Right	19.1	B	0.36	
		Route 114 - SB Left	30.6	C	0.71	
		Route 114 - SB Thru/Right	21.4	C	0.50	
	OVERALL	89.7	F	1.03		
	1999 PM Peak Hour	Route 25 - EB Left/Thru	319.9	F	1.51	
		Route 25 - EB Right	19.7	B	0.38	
		Route 25 - WB Left	16.1	B	0.43	
		Route 25 - WB Thru	117.7	F	1.09	
		Route 25 - WB Right	12.5	B	0.21	
		Route 114 - NB Left	127.8	F	1.05	
		Route 114 - NB Thru/Right	30.7	C	0.78	
		Route 114 - SB Left	154.6	F	1.04	
Route 114 - SB Thru/Right		21.0	C	0.49		
OVERALL	117.7	F	1.28			
Route 25 @ New Portland Road	1999 AM Peak Hour	Route 25 - EB Thru	22.4	C	0.66	HCS Release 3.1b
		Route 25 - EB Right	53.0	D	0.92	
		Route 25 - WB Left/Thru	23.1	C	0.67	
		New Portland - NW LT/Th/RT	35.6	D	0.38	
		Mechanic Street - NB LT/Th/RT	60.0	E	0.76	
		OVERALL	35.6	D	0.77	
	1999 PM Peak Hour	Route 25 - EB Thru	20.0	C	0.58	
		Route 25 - EB Right	17.5	B	0.34	
		Route 25 - WB Left/Thru	92.4	F	1.02	
		New Portland - NW LT/Th/RT	352.0	F	1.64	
		Mechanic Street - NB LT/Th/RT	63.9	E	0.81	
		OVERALL	124.2	F	1.13	

LOS	Delay Range (seconds)
	HCS 3.1b
A	<=10
B	>10 and <=20
C	>20 and <=35
D	>35 and <=55
E	>55 and <=80
F	>80

Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total
NB - L	8	0	8
NB - T	31	2	33
NB - R	2	0	2
SB - L	12	0	12
SB - T	178	4	182
SB - R	1	0	1
EB - L	6	0	6
EB - T	137	4	141
EB - R	41	1	42
WB - L	6	0	6
WB - T	14	1	15
WB - R	6	0	6

Adj. Factor: **1.03**



Major Street Name: Cressey Road

Major Street Direction (Circle 1): N/S E/W

Minor Street Name: Flaggy Meadow Road

Minor Street Direction (Circle 1): N/S E/W

Project: Gorham By-Pass Study

Period: 1999 AM Peak Hour

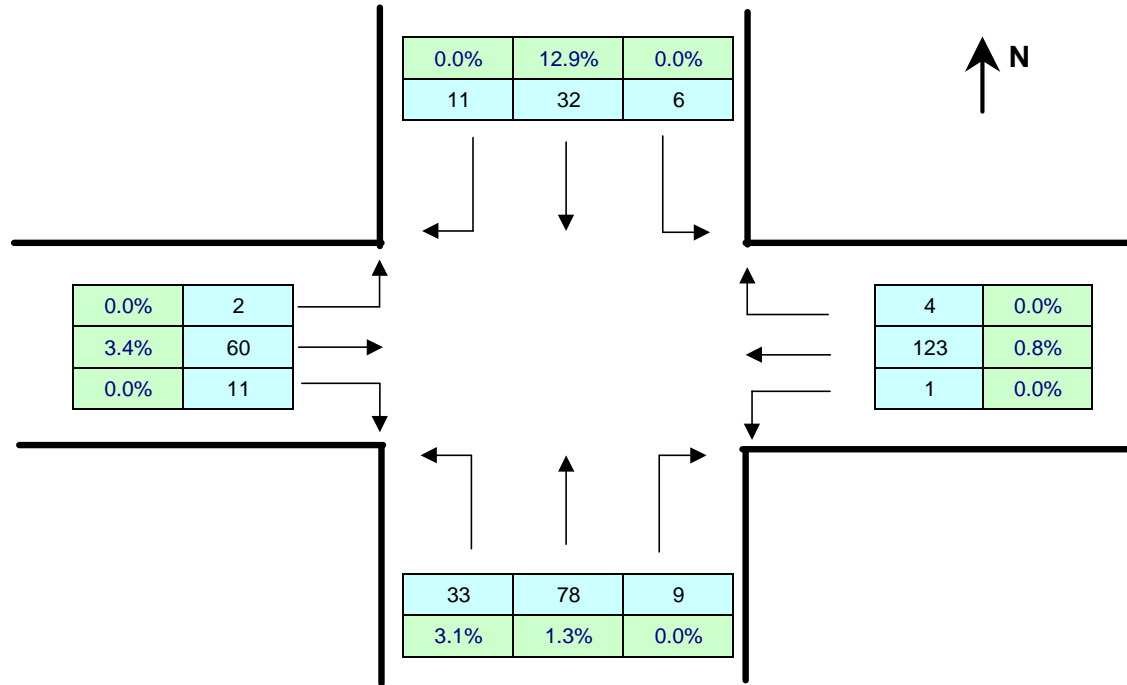
Job No.: 30251-PL-002-002

Date: 21-Dec-99

Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total
NB - L	31	1	32
NB - T	75	1	76
NB - R	9	0	9
SB - L	6	0	6
SB - T	27	4	31
SB - R	11	0	11
EB - L	2	0	2
EB - T	56	2	58
EB - R	11	0	11
WB - L	1	0	1
WB - T	118	1	119
WB - R	4	0	4

Adj. Factor: **1.03**



Major Street Name: Cressey Road

Major Street Direction (Circle 1): N/S E/W

Minor Street Name: Flaggy Meadow Road

Minor Street Direction (Circle 1): N/S E/W

Project: Gorham By-Pass Study

Period: 1999 PM Peak Hour

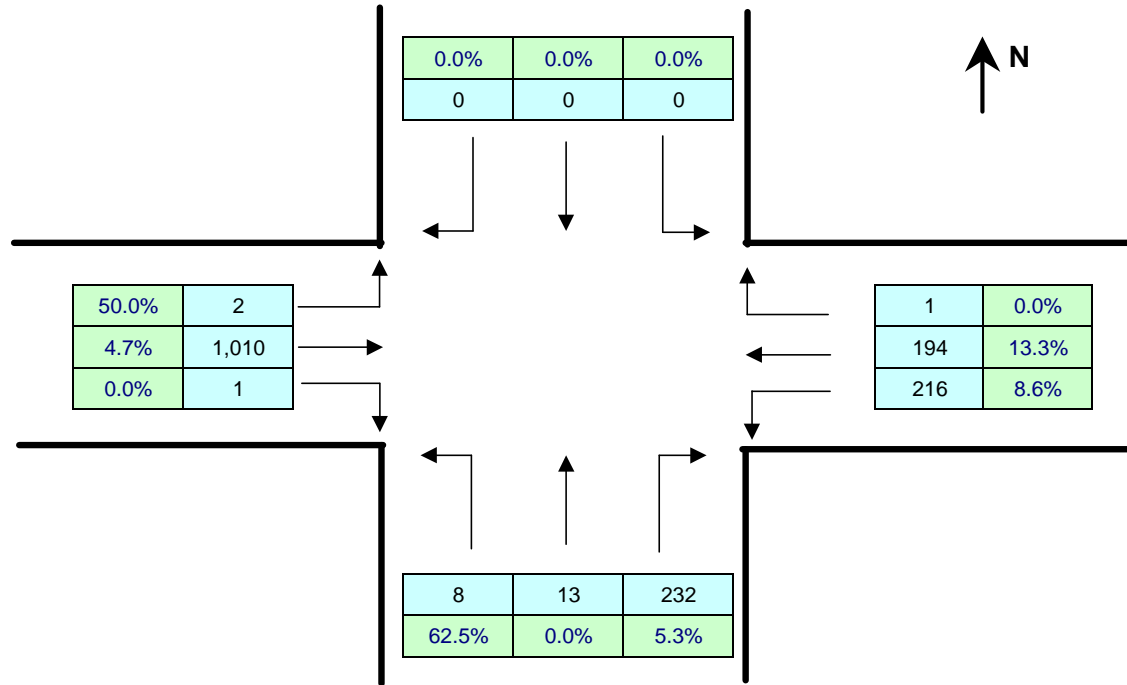
Job No.: 30251-PL-002-002

Date: 21-Dec-99

Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total
NB - L	3	5	8
NB - T	13	0	13
NB - R	213	12	225
SB - L	0	0	0
SB - T	0	0	0
SB - R	0	0	0
EB - L	1	1	2
EB - T	935	46	981
EB - R	1	0	1
WB - L	192	18	210
WB - T	163	25	188
WB - R	1	0	1

Adj. Factor: **1.03**



Major Street Name: Route 25

Major Street Direction (Circle 1): N/S E/W

Minor Street Name: Route 202/4/Maple Street

Minor Street Direction (Circle 1): N/S E/W

Project: Gorham By-Pass Study

Period: 1999 AM Peak Hour

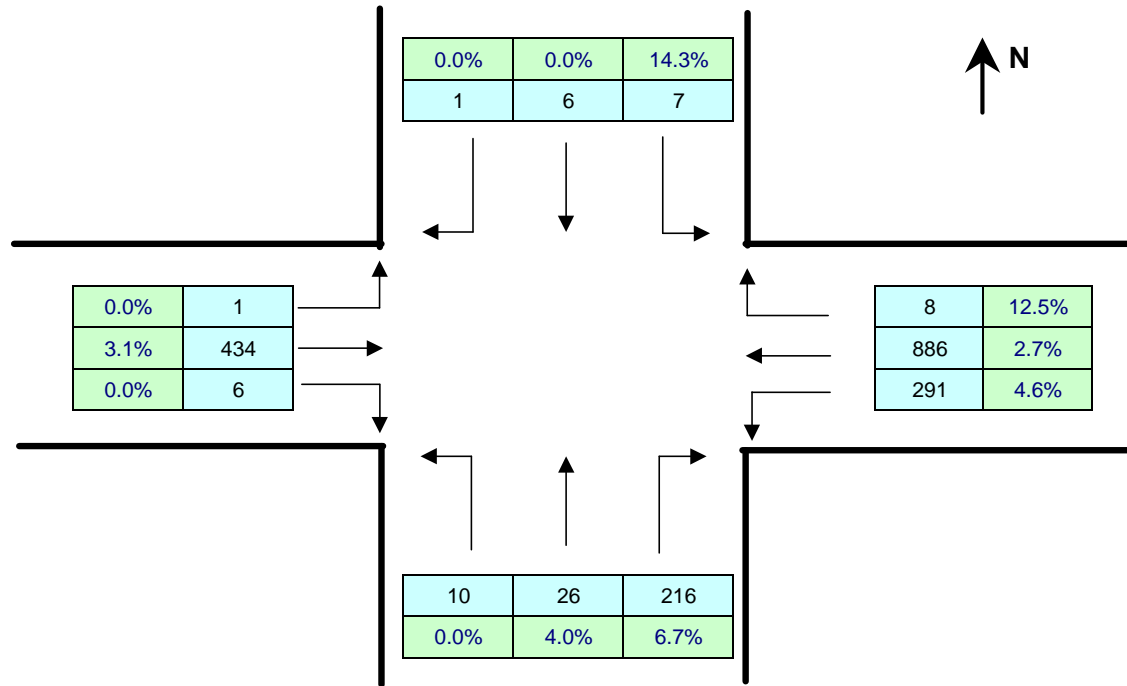
Job No.: 30251-PL-002-002

Date: 21-Dec-99

Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total
NB - L	10	0	10
NB - T	24	1	25
NB - R	196	14	210
SB - L	6	1	7
SB - T	6	0	6
SB - R	1	0	1
EB - L	1	0	1
EB - T	408	13	421
EB - R	6	0	6
WB - L	270	13	283
WB - T	837	23	860
WB - R	7	1	8

Adj. Factor: **1.03**



Major Street Name: Route 25

Major Street Direction (Circle 1): N/S E/W

Minor Street Name: Route 202/4/Maple Street

Minor Street Direction (Circle 1): N/S E/W

Project: Gorham By-Pass Study

Period: 1999 PM Peak Hour

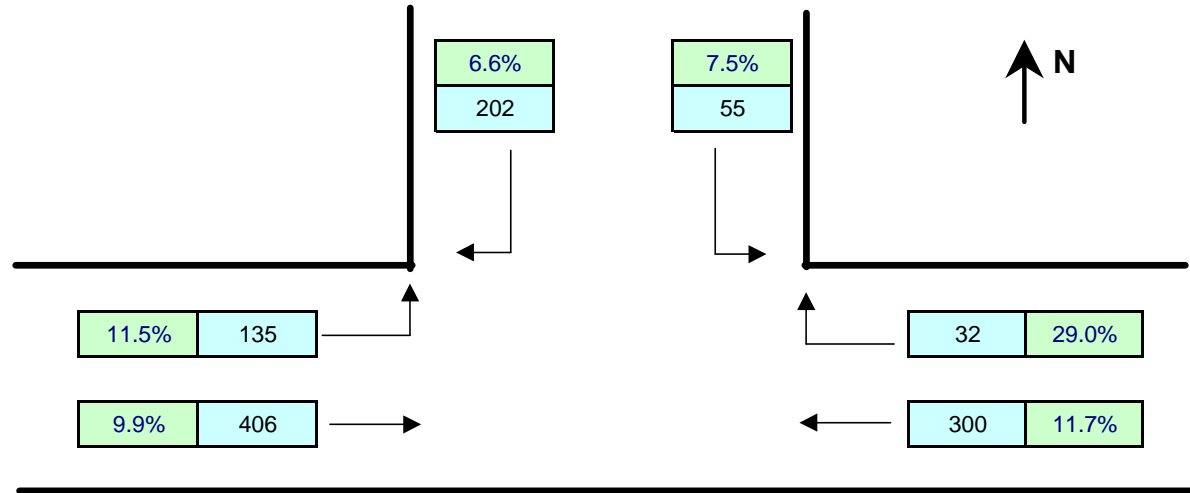
Job No.: 30251-PL-002-002

Date: 21-Dec-99

Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total
SB - L	49	4	53
SB - R	183	13	196
EB - L	116	15	131
EB - T	355	39	394
WB - T	257	34	291
WB - R	22	9	31

Adj. Factor: **1.03**



Major Street Name: Route 25

Major Street Direction (Circle 1): N/S E/W

Minor Street Name: Route 202/4

Minor Street Direction (Circle 1): N/S E/W

Project: Gorham By-Pass Study

Period: 1999 AM Peak Hour

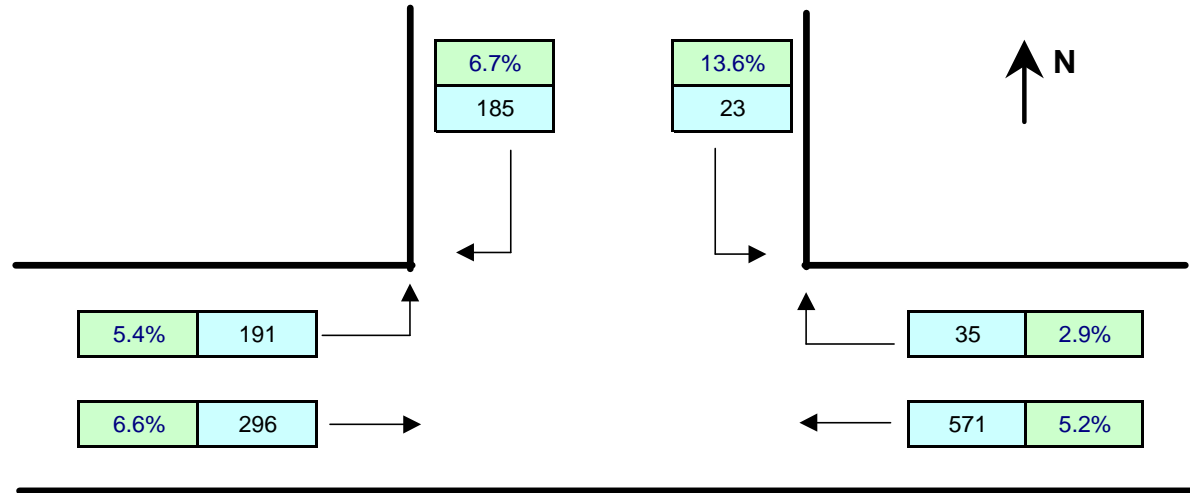
Job No.: 30251-PL-002-002

Date: 21-Dec-99

Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total
SB - L	19	3	22
SB - R	168	12	180
EB - L	175	10	185
EB - T	268	19	287
WB - T	525	29	554
WB - R	33	1	34

Adj. Factor: **1.03**



Major Street Name: Route 25

Major Street Direction (Circle 1): N/S E/W

Minor Street Name: Route 202/4

Minor Street Direction (Circle 1): N/S E/W

Project: Gorham By-Pass Study

Period: 1999 PM Peak Hour

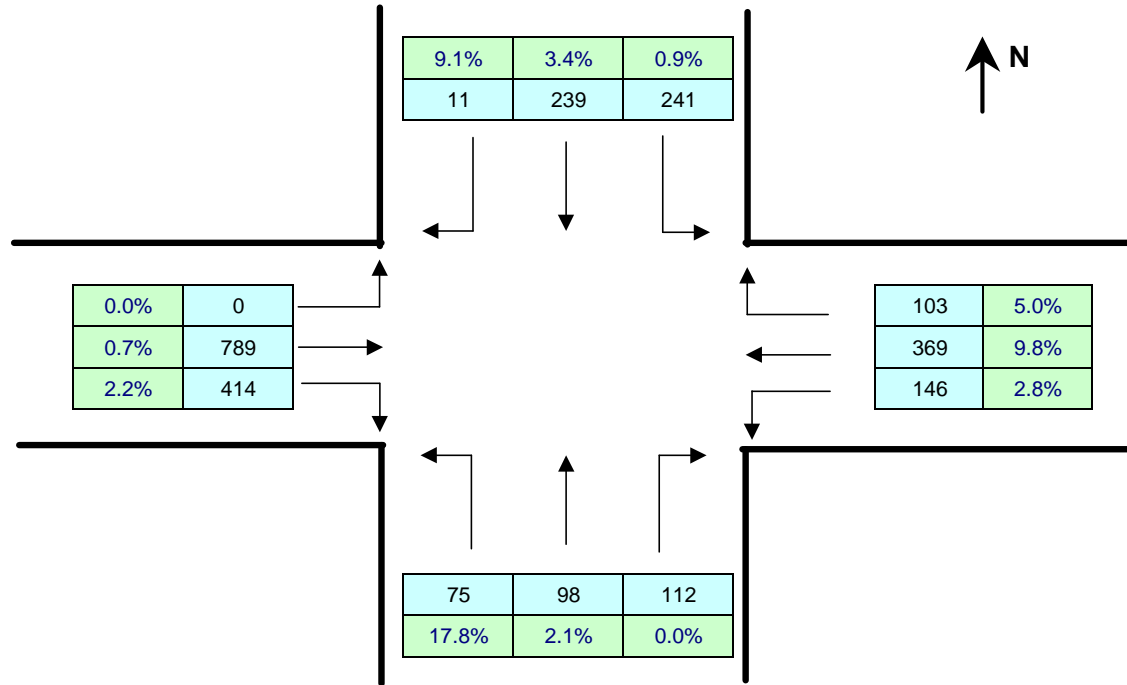
Job No.: 30251-PL-002-002

Date: 21-Dec-99

Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total
NB - L	60	13	73
NB - T	93	2	95
NB - R	109	0	109
SB - L	232	2	234
SB - T	224	8	232
SB - R	10	1	11
EB - L	0	0	0
EB - T	761	5	766
EB - R	393	9	402
WB - L	138	4	142
WB - T	323	35	358
WB - R	95	5	100

Adj. Factor: **1.03**



Major Street Name: Route 25

Major Street Direction (Circle 1): N/S E/W

Minor Street Name: Route 114

Minor Street Direction (Circle 1): N/S E/W

Project: Gorham By-Pass Study

Period: 1999 AM Peak Hour

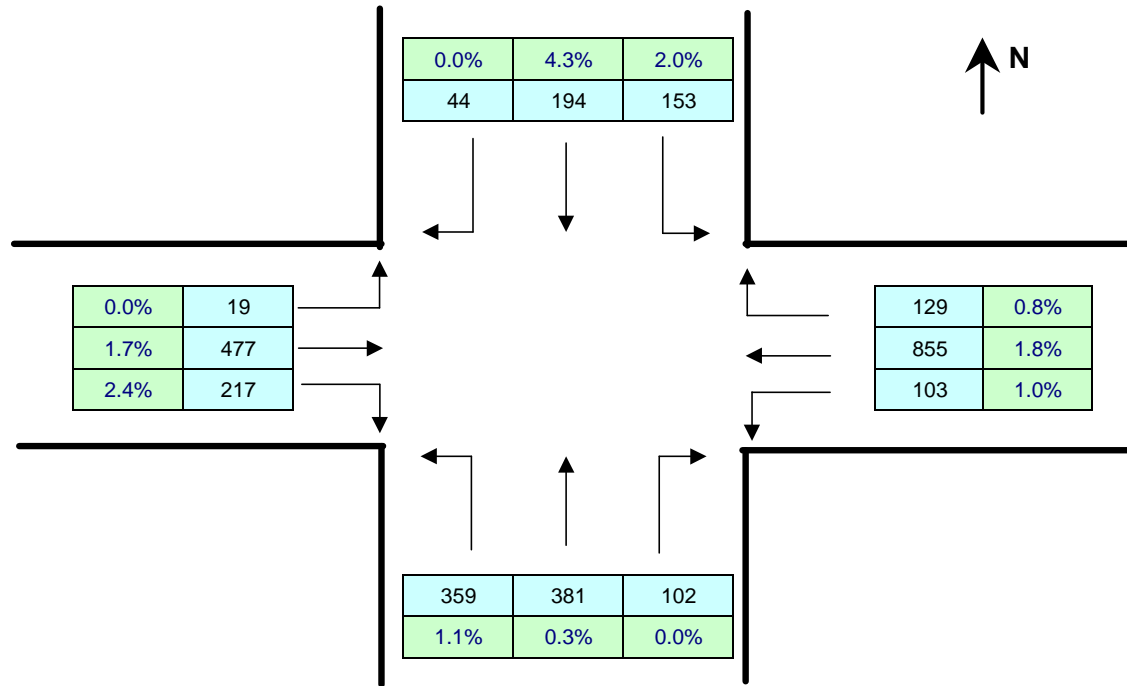
Job No.: 30251-PL-001-001

Date: 21-Dec-99

Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total
NB - L	345	4	349
NB - T	369	1	370
NB - R	99	0	99
SB - L	146	3	149
SB - T	180	8	188
SB - R	43	0	43
EB - L	18	0	18
EB - T	455	8	463
EB - R	206	5	211
WB - L	99	1	100
WB - T	815	15	830
WB - R	124	1	125

Adj. Factor: **1.03**



Major Street Name: Route 25

Major Street Direction (Circle 1): N/S E/W

Minor Street Name: Route 114

Minor Street Direction (Circle 1): N/S E/W

Project: Gorham By-Pass Study

Period: 1999 PM Peak Hour

Job No.: 30251-PL-001-001

Date: 21-Dec-99

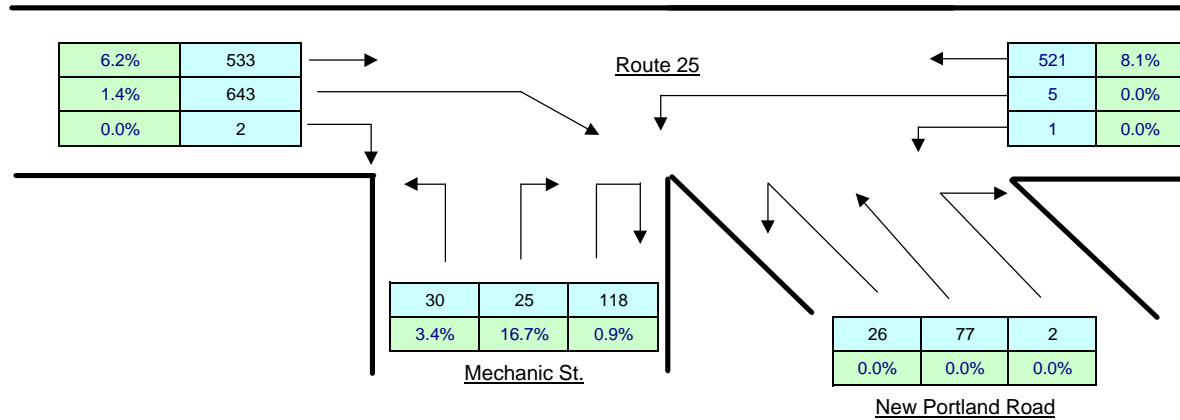
Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total	Mvt	Cars	Trucks	Total
25 EB - TH	485	32	517	Mechanic to 25 WB	28	1	29
25 EB to New Portland	615	9	624	Mechanic to 25 EB	20	4	24
25 EB to Mechanic	2	0	2	Mechanic to New Port.	114	1	115
25 WB - TH	465	41	506	New Portland to 25 WB	71	4	75
25 WB to Mechanic	5	0	5	New Portland to 25 EB	1	1	2
25 WB to New Portland	1	0	1	New Port. to Mechanic	23	2	25



Adj. Factor: 1.03

Legend	
Truck %	Adjusted Peak Hour Volume



Major Street Name: Route 25

Major Street Direction (Circle 1): N/S E/W

Minor Street Name: New Portland/Mechanic

Minor Street Direction (Circle 1): N/S E/W

Project: Gorham By-Pass Study

Period: 1999 AM Peak Hour

Job No.: 30251-PL-002-002

Date: 21-Dec-99

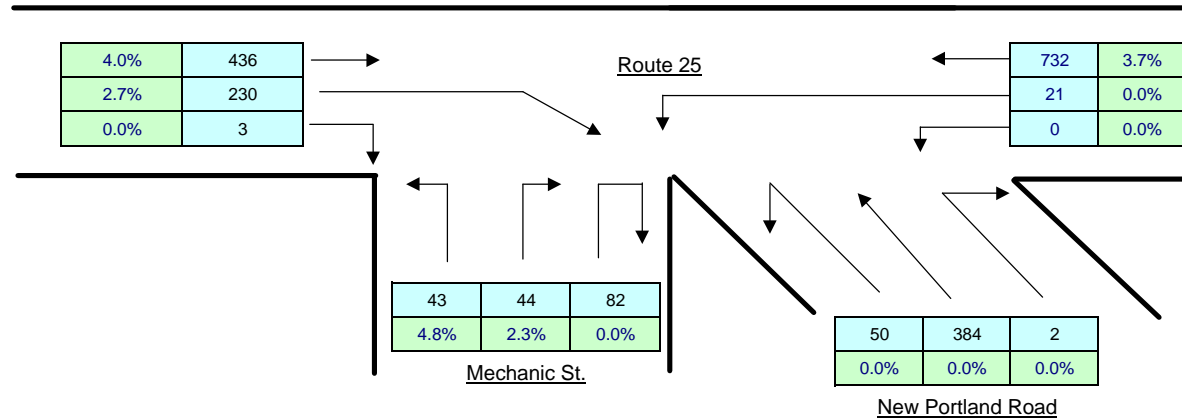
Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total	Mvt	Cars	Trucks	Total
25 EB - TH	406	17	423	Mechanic to 25 WB	40	2	42
25 EB to New Portland	217	6	223	Mechanic to 25 EB	42	1	43
25 EB to Mechanic	3	0	3	Mechanic to New Port.	80	0	80
25 WB - TH	685	26	711	New Portland to 25 WB	371	2	373
25 WB to Mechanic	20	0	20	New Portland to 25 EB	2	0	2
25 WB to New Portland	0	0	0	New Port. to Mechanic	49	0	49



Adj. Factor: 1.03

Legend	
Truck %	Adjusted Peak Hour Volume



Major Street Name: Route 25

Major Street Direction (Circle 1): N/S E/W

Minor Street Name: New Portland/Mechanic

Minor Street Direction (Circle 1): N/S E/W

Project: Gorham By-Pass Study

Period: 1999 PM Peak Hour

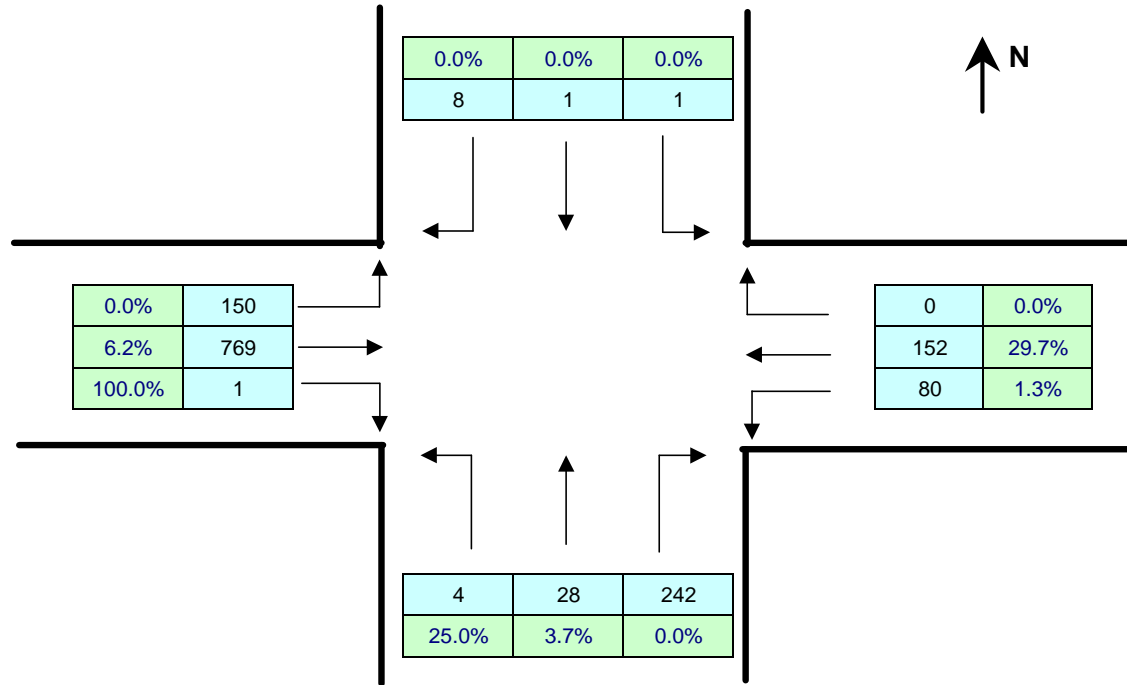
Job No.: 30251-PL-002-002

Date: 21-Dec-99

Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total
NB - L	3	1	4
NB - T	26	1	27
NB - R	235	0	235
SB - L	1	0	1
SB - T	1	0	1
SB - R	8	0	8
EB - L	146	0	146
EB - T	701	46	747
EB - R	0	1	1
WB - L	77	1	78
WB - T	104	44	148
WB - R	0	0	0

Adj. Factor: **1.03**



Major Street Name: Route 25

Major Street Direction (Circle 1): N/S E/W

Minor Street Name: Flaggy Meadow Road

Minor Street Direction (Circle 1): N/S E/W

Project: Gorham By-Pass Study

Period: 1999 AM Peak Hour

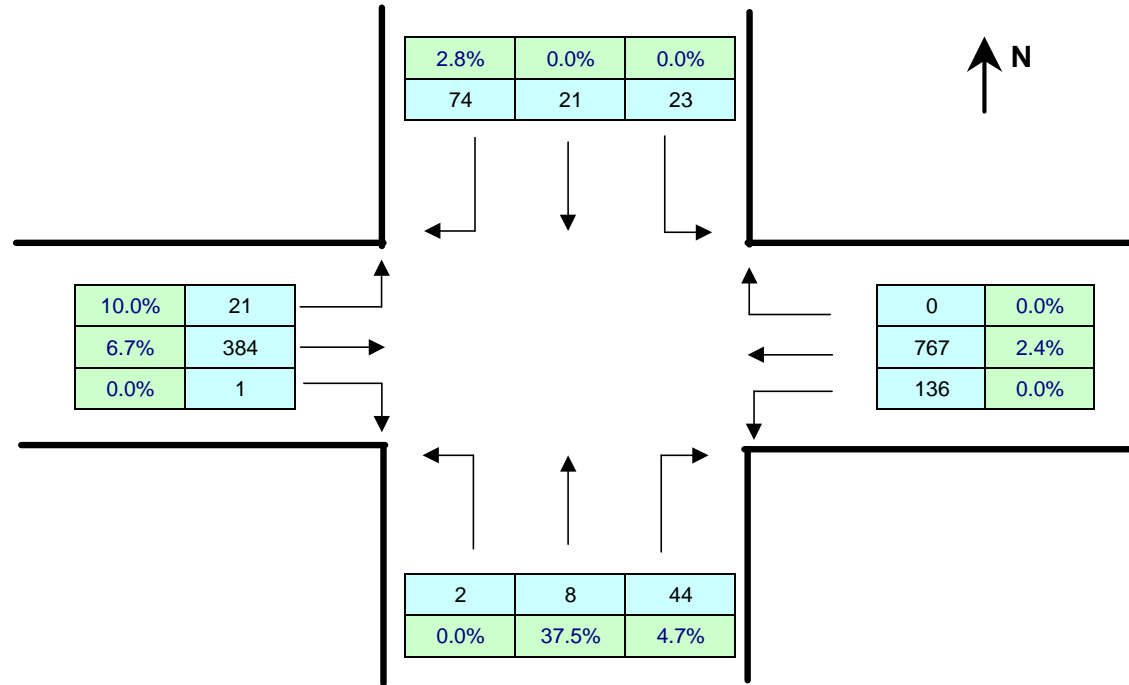
Job No.: 30251-PL-002-002

Date: 21-Dec-99

Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total
NB - L	2	0	2
NB - T	5	3	8
NB - R	41	2	43
SB - L	22	0	22
SB - T	20	0	20
SB - R	70	2	72
EB - L	18	2	20
EB - T	348	25	373
EB - R	1	0	1
WB - L	132	0	132
WB - T	727	18	745
WB - R	0	0	0

Adj. Factor: **1.03**



Major Street Name: Route 25

Major Street Direction (Circle 1): N/S E/W

Minor Street Name: Flaggy Meadow Road

Minor Street Direction (Circle 1): N/S E/W

Project: Gorham By-Pass Study

Period: 1999 PM Peak Hour

Job No.: 30251-PL-002-002

Date: 21-Dec-99

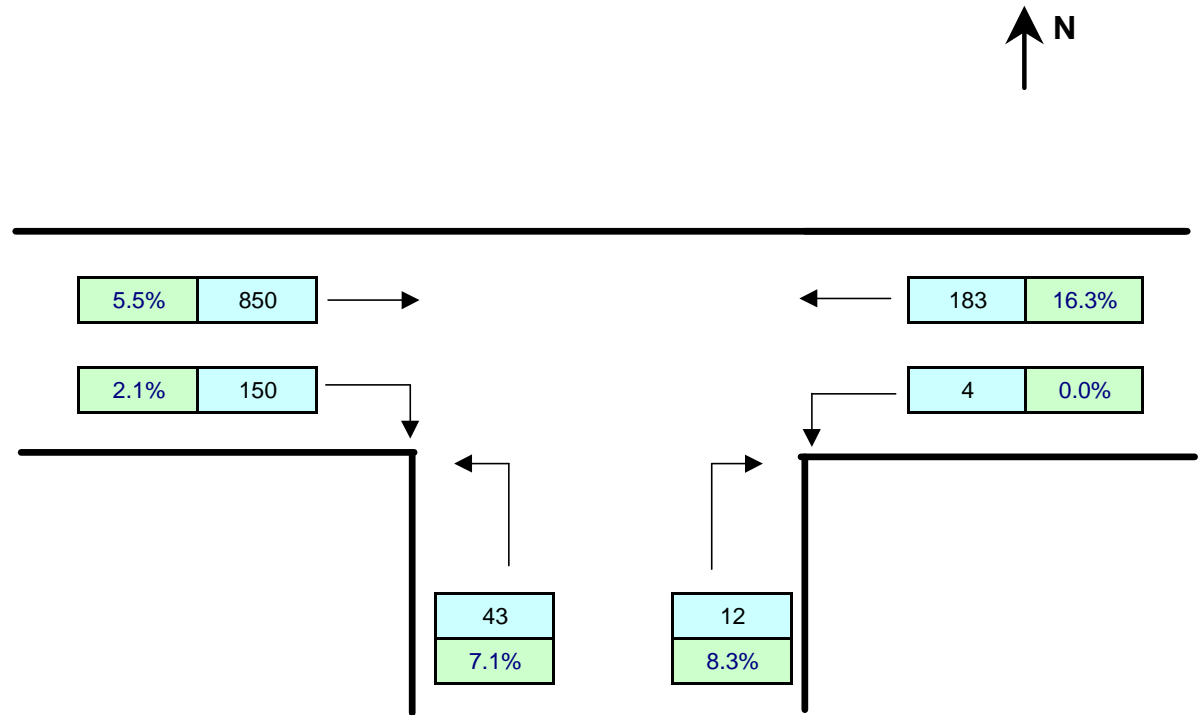
Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total
NB - L	39	3	42
NB - R	11	1	12
EB - T	780	45	825
EB - R	143	3	146
WB - L	4	0	4
WB - T	149	29	178

Adj. Factor: **1.03**

Legend

Truck %	Adjusted Peak Hour Volume
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Major Street Name: Route 25

Major Street Direction (Circle 1): N/S E/W

Minor Street Name: Cressey Road

Minor Street Direction (Circle 1): N/S E/W

Project: Gorham By-Pass Study

Period: 1999 AM Peak Hour

Job No.: 30251-PL-002-002

Date: 21-Dec-99

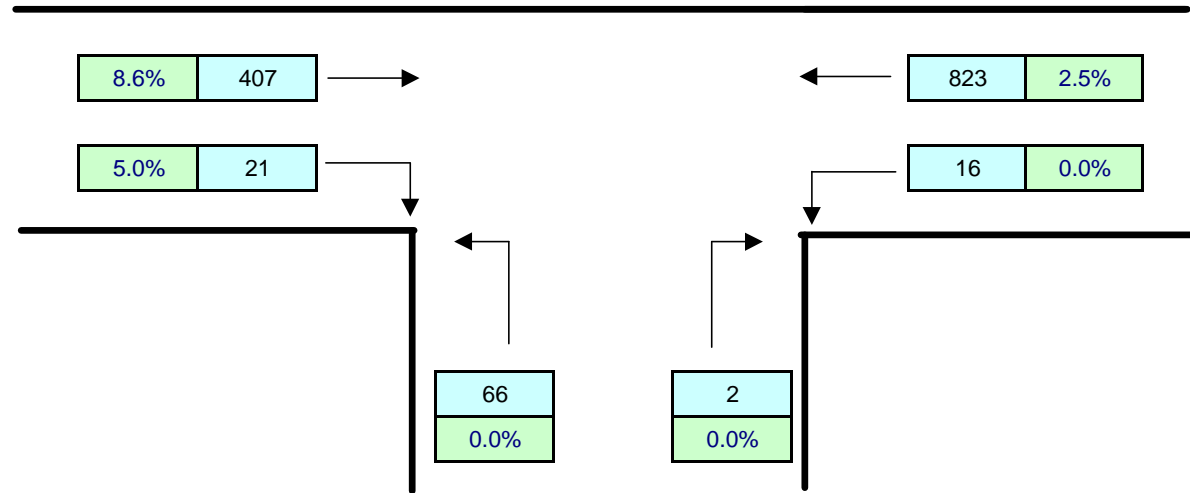
Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total
NB - L	64	0	64
NB - R	2	0	2
EB - T	361	34	395
EB - R	19	1	20
WB - L	16	0	16
WB - T	779	20	799

Adj. Factor: **1.03**

Legend

Truck %	Adjusted Peak Hour Volume
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Major Street Name: Route 25

Major Street Direction (Circle 1): N/S E/W

Minor Street Name: Cressey Road

Minor Street Direction (Circle 1): N/S E/W

Project: Gorham By-Pass Study

Period: 1999 PM Peak Hour

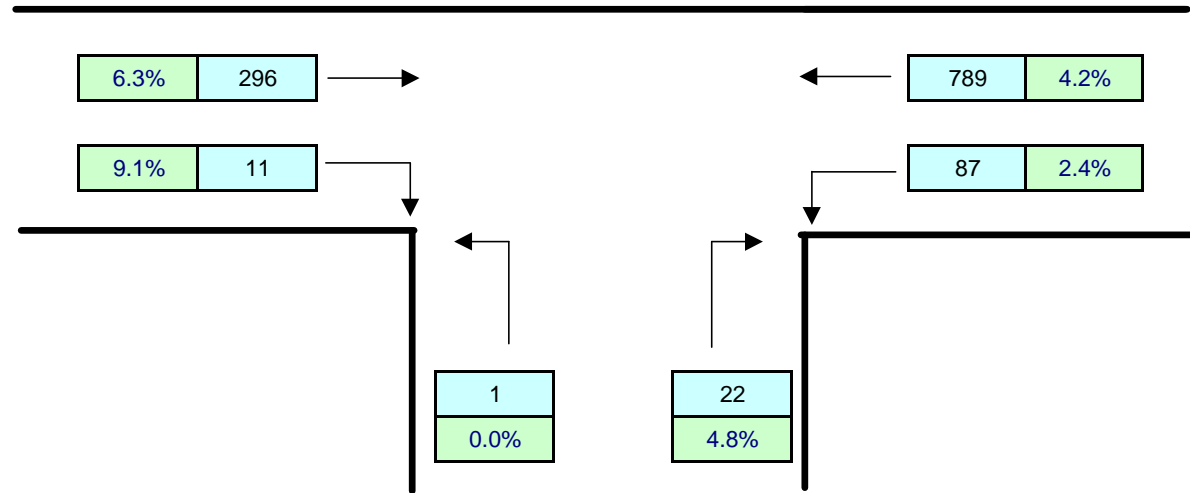
Job No.: 30251-PL-002-002

Date: 21-Dec-99

Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total
WB - L	1	0	1
WB - R	20	1	21
NB - T	269	18	287
NB - R	10	1	11
SB - L	82	2	84
SB - T	734	32	766

Adj. Factor: **1.03**



Major Street Name: Route 114

Major Street Direction (Circle 1):

Minor Street Name: Day Road

Minor Street Direction (Circle 1):

Project: Gorham By-Pass Study

Period: 1999 AM Peak Hour

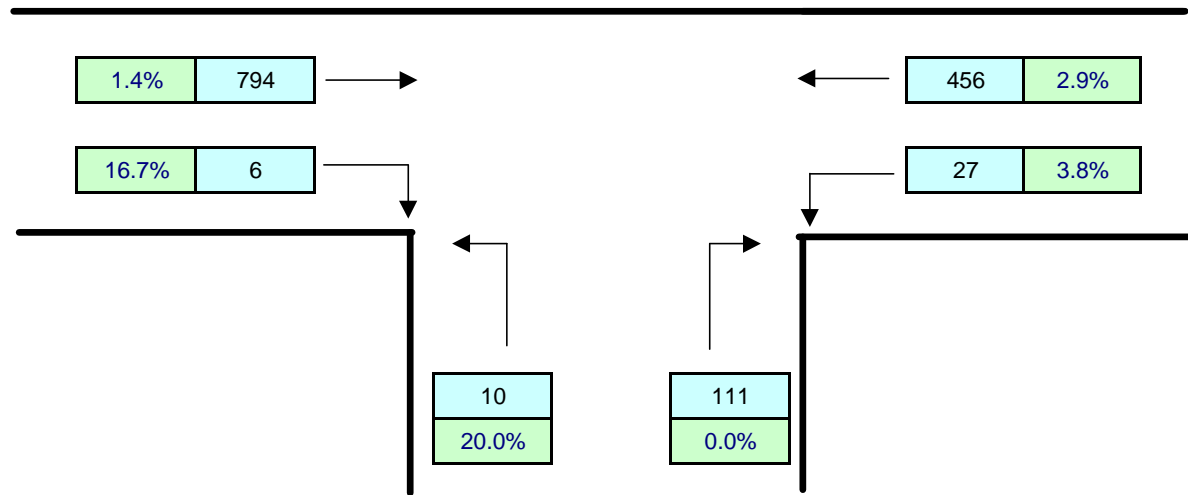
Job No.: 30251-PI-002-002

Date: 21-Dec-99

Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total
WB - L	8	2	10
WB - R	108	0	108
NB - T	760	11	771
NB - R	5	1	6
SB - L	25	1	26
SB - T	430	13	443

Adj. Factor: **1.03**



Major Street Name: Route 114

Major Street Direction (Circle 1):

Minor Street Name: Day Road

Minor Street Direction (Circle 1):

Project: Gorham By-Pass Study

Period: 1999 PM Peak Hour

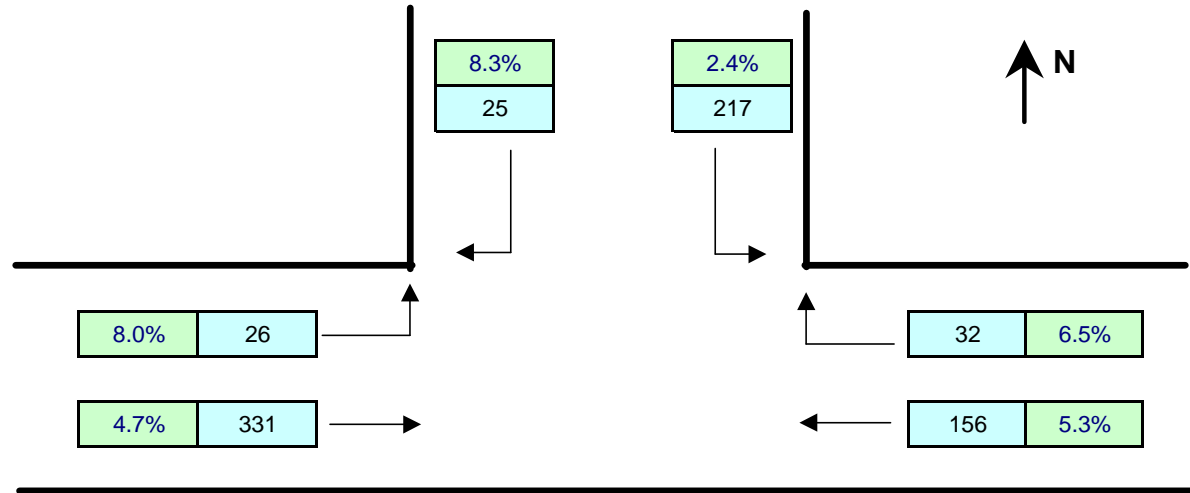
Job No.: 30251-PI-002-002

Date: 21-Dec-99

Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total
SB - L	206	5	211
SB - R	22	2	24
EB - L	23	2	25
EB - T	306	15	321
WB - T	143	8	151
WB - R	29	2	31

Adj. Factor: **1.03**



Major Street Name: Route 202/4

Major Street Direction (Circle 1): N/S E/W

Minor Street Name: Cressey Road

Minor Street Direction (Circle 1): N/S E/W

Project: Gorham By-Pass Study

Period: 1999 AM Peak Hour

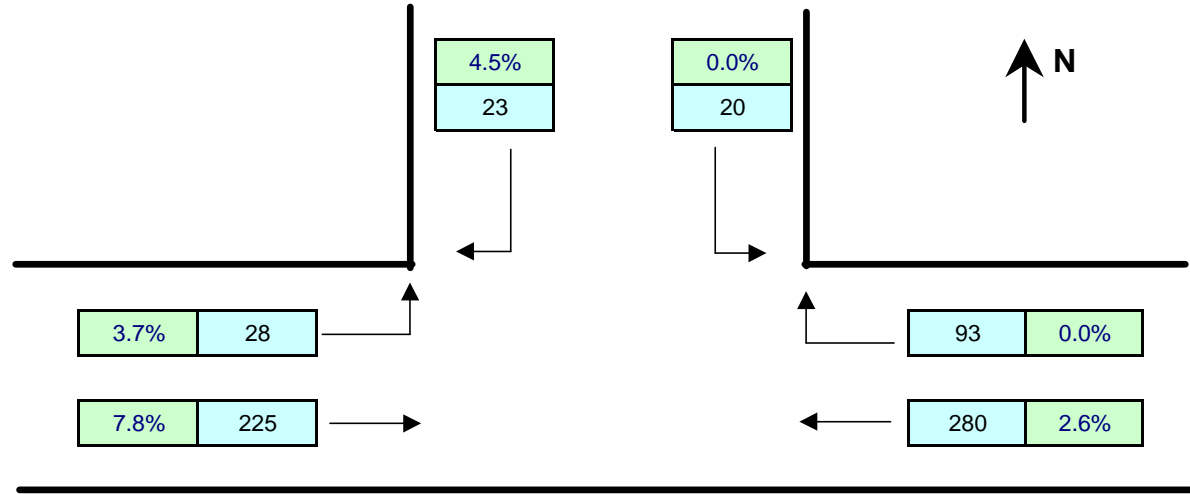
Job No.: 30251-PL-002-002

Date: 21-Dec-99

Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total
SB - L	19	0	19
SB - R	21	1	22
EB - L	26	1	27
EB - T	201	17	218
WB - T	265	7	272
WB - R	90	0	90

Adj. Factor: **1.03**



Major Street Name: Route 202/4

Major Street Direction (Circle 1): N/S E/W

Minor Street Name: Cressey Road

Minor Street Direction (Circle 1): N/S E/W

Project: Gorham By-Pass Study

Period: 1999 PM Peak Hour

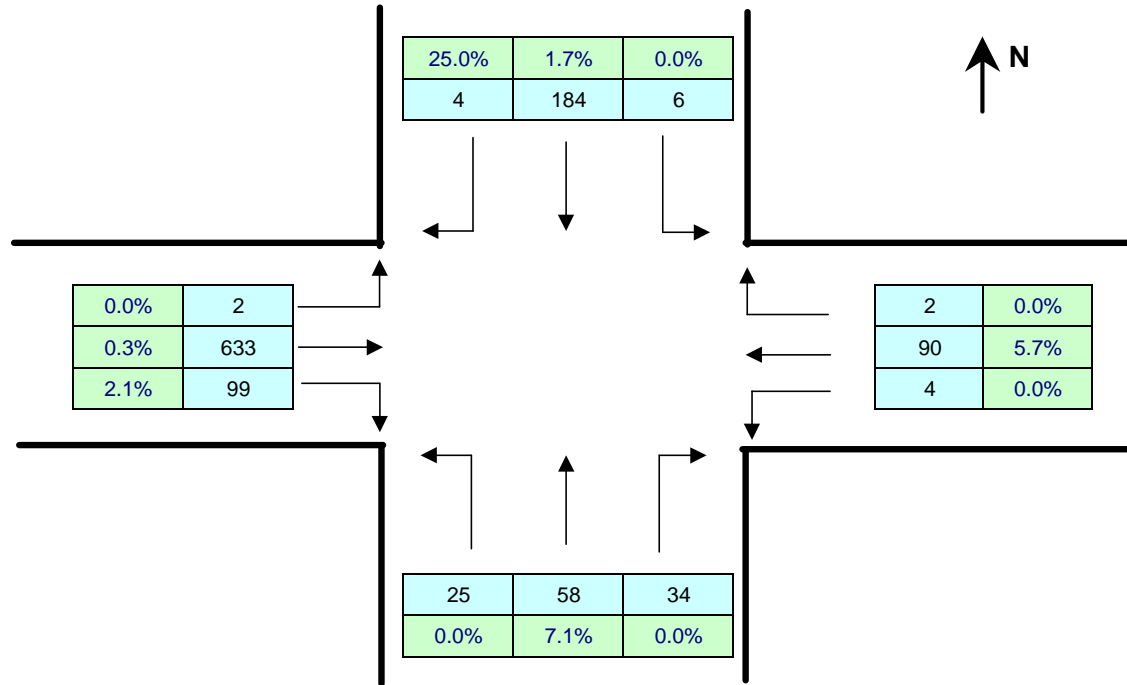
Job No.: 30251-PL-002-002

Date: 21-Dec-99

Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total
NB - L	24	0	24
NB - T	52	4	56
NB - R	33	0	33
SB - L	6	0	6
SB - T	176	3	179
SB - R	3	1	4
EB - L	2	0	2
EB - T	613	2	615
EB - R	94	2	96
WB - L	4	0	4
WB - T	82	5	87
WB - R	2	0	2

Adj. Factor: **1.03**



Major Street Name: New Portland Road

Major Street Direction (Circle 1): N/S E/W

Minor Street Name: Brackett St./Libby Avenue

Minor Street Direction (Circle 1): N/S E/W

Project: Gorham By-Pass Study

Period: 1999 AM Peak Hour

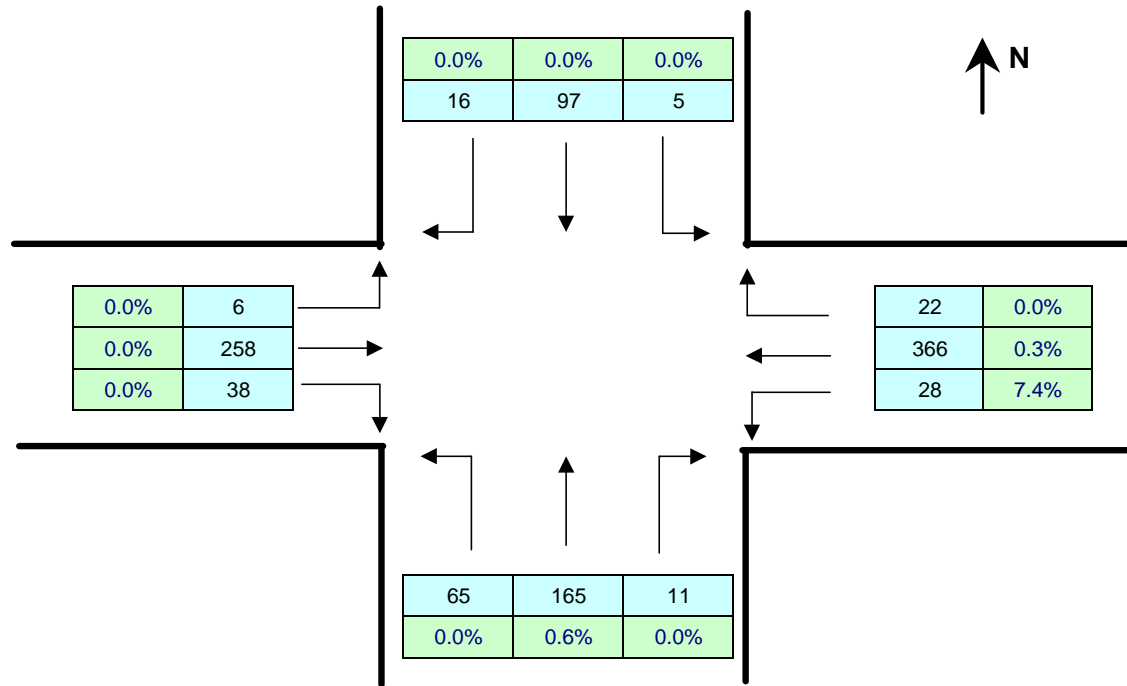
Job No.: 30251-PI-002-002

Date: 21-Dec-99

Unadjusted Balanced Counts

Mvt	Cars	Trucks	Total
NB - L	63	0	63
NB - T	159	1	160
NB - R	11	0	11
SB - L	5	0	5
SB - T	94	0	94
SB - R	16	0	16
EB - L	6	0	6
EB - T	250	0	250
EB - R	37	0	37
WB - L	25	2	27
WB - T	354	1	355
WB - R	21	0	21

Adj. Factor: **1.03**



Major Street Name: New Portland Road

Major Street Direction (Circle 1): N/S E/W

Minor Street Name: Brackett St./Libby Avenue

Minor Street Direction (Circle 1): N/S E/W

Project: Gorham By-Pass Study

Period: 1999 PM Peak Hour

Job No.: 30251-PI-002-002

Date: 21-Dec-99