## Appendix 0:

## Updated Transportation Analysis Exhibits August 2006

## Appendix O:

## Updated Transportation Analysis Exhibits

T-1A Turning Movement Volume Summary of Counts
T-1B Traffic Counts
T-2 Level of Service (LOS) Definitions and Criteria
T-3 Calibration Process for Queue Lengths
T-4 Link Capacities Developed by King County
T-5 Pedestrian Facilities (Roadway Shoulder Inventory)
T-6 Sight Distance Memo \& Roadway Profiles (deficient stopping sight distance locations)

T-7 School Bus Stop Locations
T-8 VISUM Outputs
T-9 LOS Summary table
T-10 WSDOT Left-Turn Lane Storage Guidelines
T-11 Highway Capacity Manual (HCM) Exhibit 17-6

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Exhibit T-1A

## Turning Movement Volume Summary

Project: 04007.00 Wood Trails
Scenario: AM Peak Hour- Proposed Action
Actual Counts


## Turning Movement Volume Summary

Project: 04007.00 Wood Trails
Scenario: PM Peak Hour- Proposed Action
Actual Counts


## Turning Movement Volume Summary

Project: 04007.00 Wood Trails
Scenario: AM Peak Hour- Proposed Action
Actual Counts


## Turning Movement Volume Summary

## Project: 04007.00 Wood Trails

Scenario: PM Peak Hour- Proposed Action
Actual Counts


WOODINVLIE，WASHMGTON
LACEY，WA 98503
360－491－8116
File Name：TPG33608A
156 TH AVENE
Site Code ：00000008
Start Date ：12／01／2004
Page No ：1

## L．OCH O8A TPG04335M

| Groups Prinied－PRIMARY |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Exctu． <br> Tola | indu． Totat | $\begin{gathered} \text { ind } \\ \text { Toted } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $156 T H A V E N E$ From North |  |  |  |  | $\begin{aligned} & \text { NE 203RDP1 } \\ & \text { From East } \end{aligned}$ |  |  |  |  | 156THAVE NE <br> From South |  |  |  |  | From West |  |  |  |  |  |  |  |
| StartTime | Right | Thru | Left | Tute | App． <br> Total | Right | Thus | Lent | Truck | $\begin{aligned} & \text { Apop. } \\ & \text { Total } \end{aligned}$ | Right | Thus | Left | Truck | App． That | Right | Turu | Left | Truck | BOD． <br> Tome |  |  |  |
| Factor | 1.0 | 1.0 | 1.0 | 1.0 |  | 1.0 | 1.0 | 1.0 | 1.0 |  | 1.0 | 1.0 | 1.0 | 1.0 |  | 2.0 | 1.0 | 1.0 | 1.0 |  |  |  |  |
| 07：00 A 4 | 0 | 29 | 1 | 0 | 30 | 1 | 0 | 2 | 0 | 3 | 1 | 20 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 54 | 54 |
| 07：15 A A A $^{\text {a }}$ | 0 | 32 | 0 | 0 | 32 | 1 | － | 2 | 0 | 3 | 2 | 23 | 0 | 1 | 25 | 0 | 0 | 0 | 0 | 0 | 1 | 60 | 61 |
| 07：30 AM | 0 | 49 | 0 | 2 | 49 | 0 | 0 | 1 | 0 | 1 | 0 | 20 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | 0 |  | 70 | 73 |
| 07：45 A ${ }^{\text {a }}$ | 0 | 544 | 0 | 0 | 54 | 2 | 0 | 2 | 0 | 3 | 1 | 22 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 80 |
| fotal | 0 | 284 | 1 | 2 | 165 | 3 | 0 | 7 | 0 | 10 | 4 | 85 | 0 | 2 | 89 | 0 | 0 | 0 | 0 | 0 | 4 | 264 | 268 |
| 08：00 AM | 0 | 46 | 2 | 1 | 48 | 3 | 0 | 0 | 0 | 3 | 3 | 31 | 0 | 2 | 34 | 0 | 0 | 0 | 0 | 0 | 3 | 85 | 88 |
| 08：35 A 月 $^{\text {a }}$ | 0 | 53 | 1 | 4 | 59 | 1 | 0 | 2 | 0 | 3 | 1 | 23 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 4 | 86 | 90 |
| 08：30 A | 0 | 24 | 2 | 0 | 26 | 7 | 0 | 5 | 1 | 12 | 2 | 15 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 1 | 55 | 56 |
| 08．45ARM | 0 | 32 | 3 | 0 | 93 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 1 | 13 | 0 | 0 | 0 | 0 | 0 | 1 | 46 | 47 |
| T0tal | 0 | 160 | 6 | 5 | 166 | 11 | 0 | 7 | 1 | 28 | 6 | 82 | 0 | 3 | 83 | 0 | 0 | 0 | 0 | 0 | 9 | 272 | 281 |
| Grand Iotal | 0 | 324 | 7 | 7 | 333 | 14 | 0 | 14 | 1 | 28 | 10 | 167 | 0 | 5 | 177 | 0 | 0 | 0 | 0 | 0 | 13 | 536 | 563 |
| Appren\％ | 0.0 | 97.9 | 2.1 |  |  | 50.0 | 0.0 | 50.0 |  |  | 5.6 | Q4． 4 | 0.0 |  |  | 0.0 | 0.0 | 0.0 |  |  |  |  |  |
| Total\％ | 0.0 | 60.4 | 13 |  | 61.8 | 2.6 | 0.0 | 26 |  | 5.2 | 1.9 | 31.2 | 0.0 |  | 33.0 | 0.0 | 0.0 | 0.0 |  | 0.0 | 2.4 | 97.6 |  |


|  | 156THAVE NE From North |  |  |  | NE 203RD PL From East |  |  |  | 156THAVENE From South |  |  |  | From West |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Righ | Tha | Left | App．Total | Rigit | Tma | Len | App Total | Right | Tm | Lefin | Aop．Total | Righ | Tmu | Leff | Apas Total | Inich Totas | Peak Hour From 07：00 AM to 08：45 AM－Peak 1 of 1


| Intersection | 07：30 A |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Voume | 0 | 207 | 3 | 210 | 5 | 0 | 5 | 10 | 5 | 96 | 0 | 101 | 0 | 0 | 0 | 0 |  | 321 |
| Perrent | 0.0 | 98.6 | 1.4 |  | 50.0 | 0.0 | 50.0 |  | 5.0 | 95.0 | 0.0 |  | 0.0 | 0.0 | 0.0 |  |  |  |
| 08：15 Votume | 0 | 58 | 1 | 59 | 2 | 0 | 2 | 3 | 3 | 23 | 0 | 24 | 0 | 0 | 0 | 0 |  | 96 |
| Peak Factor Highint | 08：15 A |  |  |  | 07：45 AM |  |  |  | 08：00 A |  |  |  | 6.45 .00 ARA |  |  |  | 0.933 |  |
| volume | 0 | 58 | 1 | 59 | 1 | 0 | 2 | 3 | 3 | 31 | 0 | 34 |  |  |  |  |  |  |
| Peakractor |  |  |  | 0.890 |  |  |  | 0.833 |  |  |  | 0.783 |  |  |  |  |  |  |



| By Approad | 07．30 All |  |  |  | 07：45 A ${ }^{\text {a }}$ |  |  |  | 07：10 Am |  |  |  |  |  |  |  |
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| Votume | 0 | 207 | 3 | 210 | 12 | 0 | 9 | 21 | ¢ | 96 | 0 | 102 | 0 | 0 | 0 | 0 |
| Percent | 0.0 | 986 | 24 |  | 57.1 | 0.0 | 42.9 |  | 5.9 | 94.1 | 0.0 |  | － | － | ． |  |
| Mign lot． | 09：15 Am |  |  |  | 08：30 An |  |  |  | 08：00 AR |  |  |  |  |  |  |  |
| Volune | 0 | 58 | 2 | 59 | 7 | 0 | 5 | 12 | 3 | 3. | 0 | 34 | ＊ | － | － | － |
| Peak Fetor |  |  |  | 0.890 |  |  |  | 0.438 |  |  |  | 0.750 |  |  |  | － |

WOODINVLEE, WASHMMTON
LACEY, WA 98503
$360-491-8116$

File Name: TPG33608A
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Start Date: 12/01/2004
Page No :2

|  | 156THAVENE From North |  |  |  | NE 2OARD PL From East |  |  |  | 156TH AVE NE From South |  |  |  | From West |  |  |  | Me Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stat Time | Rigit | That | Lefi | App. Total | Right | Thas | Left | App Total | Right | Tin | Leâ | App Tobat | Rigm | Tmu | Let | Apatotos |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| intersection | 07:30 An |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| votume | 0 | 207 | 3 | 210 | 5 | 0 | 5 | 10 | 5 | 96 | 0 | 101 | 0 | 0 | 0 | 0 | 323 |
| Percent | 0.0 | 38.6 | 1.4 |  | 50.0 | 0.0 | 50.0 |  | 5.0 | 05.0 | 0.0 |  | 0.0 | 0.0 | 0.0 |  |  |
| 08:15 volume | 0 | 58 | 1 | 59 | 1 | 0 | 2 | 3 | 1 | 2 | 0 | 24 | 0 | 0 | 0 | 0 | 86 |
| Peak Factor |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.933 |
| Highint | 08.15 Am |  |  |  | 07:45 AM |  |  |  | 0800A ${ }^{\text {a }}$ |  |  |  | 6:A5:00 Am |  |  |  |  |
| Volume | 0 | 58 | 1 | 59 | 1 | 0 | 2 | 3 | 3 | 31 | 0 | 34 |  |  |  |  |  |
| Peakfador |  |  |  | 0.890 |  |  |  | 0.873 |  |  |  | 0.783 |  |  |  |  |  |



## TRAFFICOUNT，INC．

PMB 1954820 VELM HWY SE STE $B$
\％IMVILE WASHINGTON 1567H AVE NE NE 203RD PL
LOCH 01P TPG04341M

File Name：TpG34301P
Site Code ：00000001
Start Date：12／08／2004
Page No ： 1

|  | 156THAVE NE From North |  |  |  |  | NE 203RD PL From East |  |  |  |  | 1567H AVENE From South |  |  |  |  | From West |  |  |  |  | $\begin{aligned} & \text { Exdu } \\ & \text { Tote } \end{aligned}$ | nelu Todal | $\begin{aligned} & \ln \mathrm{n} \\ & \text { Intal } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stantume | Bight | Thit | Left | Truck | App． <br> Total | figd | Thu | Left | Truek | App． Total | Right | Thus | Left | Truck | Anp <br> Total | Right | Thus | Left | Trecs | App． <br> Total |  |  |  |
| Factor | 1.0 | 1.0 | 1.0 | 1.0 |  | 1.0 | 2.0 | 1.0 | 1.0 |  | 1.0 | 1.0 | 1.0 | 1.0 |  | 1.0 | 1.0 | 1.0 | 20 |  |  |  |  |
| 04：00 P9 | 0 | 34 | 1 | 0 | 35 | 0 | 0 | 4 | 0 | 4 | 2 | 52 | 0 | 0 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 93 | 93 |
| 04：15 PM | 0 | 25 | 0 | 0 | 25 | 1 | 0 | 0 | 0 | 1 | 4 | 34 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 64 |
| 04.30 Pag | 0 | 40 | 1 | 1 | 41 | 1 | 0 | 1 | 0 | 2 | 4 | 58 | 0 | 1 | 55 | 0 | 0 | 6 | 0 | 0 | 2 | 98 | 100 |
| 04：45 P⿳⺈⿴囗十灬⿱㇒日勺 | 0 | 39 | 2 | 2 | 41 | 3 | 0 | 1 | 0 | 4 | 4 | 53 | 0 | 0 | 57 | 0 | 0 | 0 | 0 | 0 | 2 | 102 | 104 |
| Total | 0 | 1.38 | 4 | 3 | 842 | 5 | 0 | 6 | 0 | 11 | is | 190 | 0 | 3 | 204 | 0 | 0 | 0 | 0 | $\bigcirc$ | 4 | 957 | 368 |
| 05000 PM | 0 | 40 | 2 | 0 | 42 | 0 | 0 | 1 | 0 | 2 | 3 | $66^{3}$ | 0 | 1 | 67 | 0 | 0 | 0 | 0 | 0 | 1 | 110 | 111 |
| 05：15 P ${ }_{\text {\％}}$ | 0 | 37 | 0 | 1 | 37 | 0 | 0 | 0 | 0 | 0 | 3 | 63 | 0 | 1 | 65 | 0 | 0 | 0 | 0 | 0 | 2 | 103 | 105 |
| 05；30 P閿 | 0 | 27 | 3 | 0 | 30 | 1 | 0 | 2 | 0 | 3 | 1 | 58 | 0 | 0 | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 92 | 92 |
| 05：45 PM | 0 | 32 | 0 | 0 | 32 | 2 | 0 | 2 | 0 | 4 | 2 | 31 | 0 | 0 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 69 | 69 |
| 7xibl | 0 | 336 | 5 | 3 | 243 | 3 | 0 | 5 | 0 | 8 | 8 | 216 | 0 | 2 | 225 | 0 | 0 | 0 | 0 | 0 | 3 | 374 | 377 |
| Grand Total | 0 | 274 | 9 | 4 | 283 | 8 | 0 | 11 | 0 | 19 | 23 | 406 | 0 | 3 | 429 | 0 | 0 | 0 | 0 | 0 | 7 | 731 | 738 |
| Appres\％ | 0.0 | 96.8 | 32 |  |  | 42.1 | 0.0 | 57.9 |  |  | 5. | 34.6 | 0.0 |  |  | 0.0 | 0.0 | 0.0 |  |  |  |  |  |
| Toial \％ | 0.0 | 375 | 12 |  | 38.7 | 1．3 | 0.0 | 1.5 |  | 25 | 31 | 55.5 | 0.0 |  | 587 | 0.0 | 0.0 | 0.0 |  | 0.0 | 0.9 | 99.2 |  |


|  | 156THAVE NE From North |  |  |  | NE 203RD PL From East |  |  |  | 156 TH AVE NE From South |  |  |  | From West |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stantime | Right | mum | Left | App Yotal | Righ | Thru | Lefir | Apd tomal | Rigit | Tmu | Left | Appr Total | Righ | Thu | 10 l | App．Total | Irt Yotad |


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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Volume | 0 | 256 | 5 | 262 | 4 | 0 | 3 | 7 | 34 | 231 | 0 | 245 | 0 | 0 | 0 | 0 | 123 |
| Percemt | 0.0 | 96.9 | 3.8 |  | 57.8 | 0.0 | 429 |  | 57 | 943 | 0.0 |  | 0.0 | 0.0 | 0.0 |  |  |
| 5：00Volume | 0 | 80 | 2 | 42 | 0 | 0 | 1 | 1 | 3 | 64 | 0 | 67 | 0 | 0 | 0 | 0 | 110 |
| Pakaractor |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.939 |
| Highlm． | 05：00 P19 |  |  |  | 00：85 Ph |  |  |  | 05：00 P凧 |  |  |  | 3：95：00 mm |  |  |  |  |
| volume | 0 | 30 | 2 | 42 | 3 | 0 | 1 | 4 | 3 | 64 | 0 | 67 |  |  |  |  |  |
| geak factor |  |  |  | 0.958 |  |  |  | 0.438 |  |  |  | 0.914 |  |  |  |  |  |


| By Fromproad |  | Pea |  |  | 9400 Pan |  |  |  | 048SPM |  |  |  | 08：00 PR |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Volume | 0 | 156 | 5 | 163 | 5 | 0 | 6 | 13. | 12 | 230 | 0 | 289 | 0 | 0 | 0 | 0 |
| Perent． | 0.0 | 96.9 | 3.1 |  | 45.5 | 0.0 | 54.5 |  | 4.4 | 95.6 | 0.0 |  | $\sim$ | － | － |  |
| Hightre | 05：00 PM |  |  |  | 0860 P14 |  |  |  | 0500 PR |  |  |  |  |  |  |  |
| Volume | 0 | 40 | 2 | 42 | 0 | 0 | 8 | 1 | 3 | 88 | 3 | 67 | － | ＊ | － | － |
| Peak Farkor |  |  |  | 0.958 |  |  |  | 0.888 |  |  |  | 0.929 |  |  |  |  |

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TRAFFICOUNT, INC.
PMB 1954820 YELMHWYSESTE
P" ODNNULLE, WASHNGTON
LACEY, WA 98503
File Name : TpG34301P
360-491-8116
Site Code : 00000001
Start Date : 12/08/2004
Page Mo :2
NE 203RD PI
LOCH 019 TPG04341M

|  | From North |  |  |  | NE 203RD PL From Easit |  |  |  | 156THAVE NE From South |  |  |  | From West |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| -- Stantime | Right | Thu | Left | App. Total | Repta | Thus | Left | App, Total | Rign | rmu | Left | App Todal | Right | mins | Left | Apporal | Tobit |
| Peak hour from 04:00 PM to 05:45PM-Peak of 1 - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| mriersection | 04:30 P18 |  |  |  |  |  |  |  |  |  | 0 | 29.5 | 0 | 0 | 0 | 0 | 413 |
| Volumie | 0 | 156 | 5 | 161 | 4 | 0 | 3 | 7 | 5 | 231 | 0.0 |  | 0.0 | 0.0 | 0.0 |  |  |
| Percers | 0.0 | 96.9 | 3.1 |  | 57.1 | 0.0 | 42.8 |  | 5.7 | 64 | 0 | 67 | 0 | 0 | 0 | 0 | 110 |
| 05:00 Volume | 0 | 40 | 2 | 42 | 0 | 0 | 1 | 1 | 3 | 04 | 0 |  |  |  |  |  | 0.939 |
| Peat factor |  |  |  |  |  |  |  |  |  |  |  |  | 3:25:00 |  |  |  |  |
| Highint | 05:00 Pa |  |  |  | $\begin{gathered} 04: 95 \mathrm{PM} \\ 3 \end{gathered}$ |  |  |  | $3$ | Q ${ }^{3}$ | 0 | 67 |  |  |  |  |  |
| Volume | 0 | 80 | 2 | 98 0.958 | 3 | 0 | 1 | 0.488 |  |  |  | 0.914 |  |  |  |  |  |



TRAFFICOUNT, INC.
PMB 1954820 YELMHWM SESTE
WOODWVILE, WASHWGTON
LACEY, WA 98503
file Name :TPG33601A
360-491-8116
Site Code : 00000001
Start Date: 12/01/2004
Pageno :1
Groups Printed- Primary


| 08:00 A ${ }^{\text {a }}$ | 3 | 52 | 0 | 5 | 55 | 3 | 0 | 0 | 0 | 3 | 8 | 19 | 0 | 0 | 20 | 3 | 0 | 2 | 0 | 5 | 5 | 83 | 88 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 08:15 AM | 0 | 30 | 0 | 0 | 30 | 0 | 0 | 2 | 0 | 1 | 0 | 24 | 2 | 0 | 26 | 1 | 0 | 0 | 0 | 2 | 0 | 58 | 58 |
| 08:30 AM | 0 | 36 | d | 3 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 1 | 2 | 24 | 2 | 0 | 0 | 0 | 1 | 3 | 52 | 55 |
| 08:45 AM | 0 | 35 | 0 | 0 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 1 | 16 | 1 | 0 | 1 | 0 | 2 | 1 | 53 | 54 |
| Total | 3 | 153 | 1 | 6 | 157 | 3 | 0 | 1 | 0 | 4 | 8 | 72 | 3 | 3 | 76 | 6 | 0 | 3 | 0 | 9 | 9 | 246 | 255 |
| GrandTotal | 3 | 332 | 1 | 9 | 336 | 9 | 0 | 1 | 0 | 10 | 1 | 169 | 9 | 7 | 179 | 26 | 0 | 4 | 0 | 20 | 16 | 505 | 564 |
| Appreh\% | 0.9 | 98.8 | 0.3 |  |  | 90.0 | 0.0 | 10.0 |  |  | 0.6 | 94.4 | 5.0 |  |  | 30.0 | 0.0 | 20.0 |  |  |  |  |  |
| Total \% | 0.6 | 60.9 | 0.2 |  | 61.7 | 0.7 | 0.0 | 02 |  | 1.8 | 0.2 | 31.0 | 2.7 |  | 32.8 | 29 | 0.0 | 0.7 |  | 3.7 | 29 | 97.1 |  |


|  | $156 T H A V E N E$ From North |  |  |  | NE 202MD ST From East |  |  |  | 156TH AVE NE From South |  |  |  | NE 202ND ST From West |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Statthme | Right | T7m | Lef | App. Toial | Right | That | left | App-Total | Pight | Tnra | lef | App Total | Right | TMms | Len | App Total | Tre Tota |
| Peak Hour From 07:00 Ansto 08.45 Am-Peak 1 of 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| butersection | 07.25An |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| voume | 3 | 197 | 0 | 200 | 8 | 0 | 0 | 8 | 1 | 96 | 6 | 103 | 8 | 0 | 3 | 13 | 322 |
| Percerit | 1.5 | 98.5 | 0.0 |  | 100.0 | 0.0 | 0.0 |  | 1.0 | 33.2 | 58 |  | 72.7 | 0.0 | 27.3 |  |  |
| 07.30 Votume | 0 | 56 | 0 | 56 | 4 | 0 | 0 | 4 | 0 | 21 | 2 | 23 | 3 | 0 | 0 | 3 | 86 |
| Peak Factor |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.936 |
| Nightna | 07:30 ARA |  |  |  | 07:30 AA |  |  |  | 07:A5 AM |  |  |  | 08:00AD |  |  |  |  |
| Votume | 0 | 56 | 0 | 56 | $4$ | 0 | 0 | A | $0$ | 34 | 2 | 36 | 3 | 0 | 2 | 5 |  |
| Peak Factor |  |  |  | 0.897 |  |  |  | 0.500 |  |  |  | 0.715 |  |  |  | 0.550 |  |



| Ey Approach | 07:35A閣 |  |  |  | 07.30 AB |  |  |  | 07:30 Am |  |  |  | 07:00 AR |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Volume | 3 | 197 | 0 | 200 | 8 | 0 | 1 | 9 | 1 | 98 | 6 | 105 | 10 | 0 | $\pm$ | 11 |
| Percem | 1.5 | 98.5 | 0.0 |  | 89.9 | 0.0 | 31.1 |  | 1.0 | 93.3 | 5.7 |  | 90.9 | 0.0 | 9.8 |  |
| High lnt. | 07:30 A |  |  |  | 07:30 A ${ }^{\text {\% }}$ |  |  |  | 07:05 AM |  |  |  | 07:00 AM |  |  |  |
| Volume | 0 | 56 | 0 | 50 | 4 | 0 | 0 | 4 | 0 | 38 | 2 | 36 | $\xi$ | 0 | 0 | 5 |
| Peak Factur |  |  |  | 0.303 |  |  |  | 0565 |  |  |  | 0.729 |  |  |  | 0.850 |

# PMB 1954820 VEM HWY SESTE 

WOODNVLLE, WASHMGTON
LACEY, WA 98503
File Name: Tpe33601A
$360-4918116$
Site Code : 0000000
Starinate : 12/01/2004
Page No :2

|  | $156 T \mathrm{H}$ AVE NE From North |  |  |  | NE 202ND ST From East |  |  |  | 156THAVENE From South |  |  |  | $\begin{aligned} & \text { NE 202ND ST } \\ & \text { From West } \end{aligned}$ |  |  |  | Int Tobat |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stantime | Rigat | Tmu | Leff | App. Total | Right | That | Left | ADo Total | Right | Thas | teft | App Total | Righ | Tha | Left | Agp. Tom |  |
| Peathorr From 07:0才 Anto 08945 Am-Peak |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| intersection | 07:15 A ${ }^{\text {a }}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Volune | 3 | 197 | 0 | 200 | 8 | 0 | 0 | 8 | 1 | 96 | ${ }^{6}$ | 103 |  | 0 |  | 11 | 322 |
| Pencent | 1.5 | 98.5 | 0.0 |  | 100.0 | 0.0 | 0.0 |  | 1.0 | 93.2 | 5.8 |  | 72.7 | 0.0 | 27.3 |  |  |
| 07:30 Volume | 0 | 56 | 0 | 56 |  | 0 | 0 | 4 | 0 | 21 | 2 | 23 | 3 | 0 | 0 | 3 | 86 |
| Peak Factor |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.936 |
| High int | 07:30 A ${ }^{\text {m }}$ |  |  |  | 07:30 AM |  |  |  | 07:95AB |  |  |  | 08:00 AM |  |  |  |  |
| volume | 0 | 56 | 0 | 56 | 4 | 0 | 0 | 4 | 0 | 34 | 2 | 36 | 3 | 0 | 2 | ${ }_{5}^{5}$ |  |
| Peax fation |  |  |  | 0.893 |  |  |  | 0.500 |  |  |  | 0.715 |  |  |  | 0.550 |  |





TRAFPICOUNT, INC.
PMB 1954820 VELM HWM SE STEG
WOODWVILE, WASHWGTON
LACEY, WA98503
File Name : TpG33602A
360-491-8116
Site Code :00000002
Start Date: 12/01/2004
Page No :1
156TH AVE NE
ᄃ201STST
LOCH O2A TPG0A335M

|  | 156THAVE NE From North |  |  |  |  | From Eas |  |  |  |  | 156THAVE NE From South |  |  |  |  | NE 201ST ST From West |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Right | Thu | Lell | Tuck | App. Totad | Right | Thu | Left | Truck | $\begin{aligned} & \mathrm{ApR} \\ & \text { Total } \end{aligned}$ | Rigit | Ttu1 | L.eft | Tack | Ăpp. Total | Right | Tha | Lif | Truck | $\begin{aligned} & \text { App } \\ & \text { Total } \end{aligned}$ | Exdu. <br> Tatal | Iada <br> Total |  |
| Factor | 1.0 | 2.0 | 1.0 | 2.0 |  | 1.0 | 10 | 1.0 | 1.0 |  | 1.0 | 1.0 | 1.0 | 1.0 |  | 2.0 | 1.0 | 1.0 | 1.0 |  |  |  |  |
| 07:00 AM | 1 | 38 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 2 | 0 | 21 | 2 | 0 | 2 | 2 | 4 | 1 | 64 | 65 |
| 07:5AM | 0 | 4.1 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 2 | 2 | 28 | 7 | 0 | 0 | 0 | 7 | 1 | 72 | 73 |
| 07.30 Am | 0 | 60 | 0 | 1 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 3 | 2 | 23 | 3 | 0 | 2 | 4 | 5 | 7 | 88 | 95 |
| 07:45 Am | 1 | 48 | 0 | 0 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 4 | 0 | 32 | 4 | 0 | 0 | 0 | 4 | 0 | 85 | 85 |
| Total | 2 | 187 | 0 | 1 | 189 | 0 | 0 | 0 | 0 | 0 | 0 | 89 | 11 | 3 | 100 | 26 | 0 | 4 | 5 | 20 | 9 | 309 | 318 |
| 08:00AM | 0 | 52 | 0 | x | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 2 | 1 | 25 | 2 | 0 | 0 | 0 | 2 | 2 | 79 | 82 |
| 08:15 Am | 1 | 29 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 4 | 0 | 30 | 6 | 0 | 5 | 0 | 11 | 0 | 71 | 71 |
| 08:30 A ${ }^{\text {a }}$ | 5 | 4.1 | 0 | 2 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 6 | 2 | 22 | 5 | 0 | 3 | 0 | 5 | 4 | 77 | 82 |
| 08,45 9 A | 6 | 42 | 0 | 2 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 5 | 2 | 21 | 5 | 0 | 3 | 2 | 8 | 6 | 77 | 83 |
| Tokal | 12 | 164 | 0 | 5 | 176 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 17 | 5 | 98 | 19 | 0 | 11 | 2 | 30 | 12 | 304 | 316 |
| Gramm Total | 34 | 351 | 0 | 6 | 365 | 0 | 0 | 0 | 0 | 0 | 0 | 170 | 28 | 8 | 198 | 35 | 0 | 25 | 7 | 50 | 21 | 683 | 634 |
| Appreh \% | 3.8 | 96.2 | 0.0 |  |  | 0.0 | 0.0 | 0.0 |  |  | 0.0 | 85.9 | 14.1 |  |  | 70.0 | 00 | 30.0 |  |  |  |  |  |
| Total\% | 23 | 57.3 | 0.0 |  | 59.5 | 0.0 | 0.0 | 0.0 |  | 00. | 0.0 | 27.7 | 3.6 |  | 32.3 | 5.7 | 0.0 | 2.4 |  | 8.2 | 3.3 | 96.7 |  |



| intersecion | 07:15 A ${ }^{\text {P }}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Voume | $\pm$ | 208 | 0 | 202 | 0 | 0 | 0 | 0 | 0 | 93 | 12 | 804 | 10 | 0 | 2 | 8 |  | 324 |
| Percent | 0.5 | 39.5 | 0.0 |  | 0.0 | 0.0 | 0.0 |  | 0.0 | 89.4 | 10.6 |  | 88.9 | 0.0 | 12.1 |  |  |  |
| 07:30 Votume | 0 | 60 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 20 | 3 | 23 | 3 | 0 | 2 | 5 |  | 88 |
| peak factior |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.920 |  |
| Hiphink Volume | 07:30 AMA | 60 | 0 | 60 | $\begin{gathered} 6.45: 00 \mathrm{AM} \\ 0 \end{gathered}$ | 0 | 0 | 0 | $\begin{gathered} 07: 95 \text { AM } \\ 0 \end{gathered}$ | 28 | A | 32 | $\begin{gathered} 07.15 \mathrm{Am} \\ 7 \end{gathered}$ | 0 | 0 | 7 |  |  |
| Peak Fader |  |  |  | 0.832 |  |  |  |  |  |  |  | 0.813 |  |  |  |  |  |  |

Peak Hour From 07:00 Am to 00:A5 AM Peak 8 of I

| By Apprach | 07:15 AR |  |  |  | 07:00 A5 |  |  |  |  |  |  |  | 08:00 A ${ }^{\text {a }}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Volume | 1 | 201 | 0 | 202 | 0 | 0 | 0 | 0 | 0 | 97 | 13 | 110 | 19 | 0 | 11 | 30 |
| Percem | 0.5 | 39.5 | 0.0 |  | - | - | - |  | 0.0 | 88.2 | 32.8 |  | 83.3 | 0.0 | 36.7 |  |
| Highint | 073089 |  |  |  | $\cdots$ |  |  |  | 07:95AM |  |  |  | 0\%:15 AR |  |  |  |
| volume | 0 | 60 | 0 | 60 | - | - | - | - | 0 | 23 | 4 | 32 | 6 | 0 | 5 | 38 |
| Peak Factor |  |  |  | 0.882 |  |  |  | " |  |  |  | 0.859 |  |  |  | 0.682 |

WOODINVLLE，WASHNGTON
LACEY，WA 98503
File Name：TPG33602A．
$156 T H$ AVE NE
360－891．8116
Site Code ：00000002
ME 201STST
Start Date：12／01／2004
COH 02A TPGO4335M
Page No：2

|  | $156 T H$ AVE NE From North |  |  |  | From East |  |  |  | 156TH AVE NE From South |  |  |  | NE 201STST From West |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Startime | Dight | Thru | Lef | App．Total | Bight | Thrit | Lent | A00．Tosal | Right | Thu | Lêf | App Iotal | Rigik | Tha | LR盛 | App Jotal | int Tatal |
| Peak Hout from 07：00 AR bo 08：A5 Am－Peak 1 of 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Intersection | 07：15 A縣 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Volume | 1 | 201 | 0 | 202 | 0 | 0 | 0 | 0 | 0 | 93 | 11 | 104 | 16 | 0 | 2 | 18 | 324 |
| Perceent | 0.5 | 99.5 | 0,0 |  | 0.0 | 0.0 | 0.0 |  | 0.0 | 89.4 | 10.6 |  | 88.9 | 0.0 | 11．1 |  |  |
| 07：30 Volume | 0 | 60 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 20 | 3 | 23 | 3 | 0 | 2 | 5 | 88 |
| Peak Factor |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.920 |
| Hignint． | 07：30 Am |  |  |  | 6：45：00 An |  |  |  | 07．45 Am |  |  |  | 07：15 AM |  |  |  |  |
| Voume | 0 | 60 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 28 | 4 | 32 | 7 | 0 | 0 | 7 |  |
| Peak Factor |  |  |  | 0.842 |  |  |  |  |  |  |  | 0.813 |  |  |  | 0.643 |  |





WOODINVILE，WASHINGTON

LOCH 03ATPG04335M

## LACEY，WA98503 <br> 360－491－8116

File Name：TPG33603A
Site Code ：00000003
Start Date：12／04／2004
Page No ：1

|  | 156TH AVE NE <br> From North |  |  |  |  | NE 1987 HST from East |  |  |  |  | 156THAVENE From South |  |  |  |  | NE 198 TH ST From West |  |  |  |  | Exclu． Totas | Inctu． Topel | $\begin{aligned} & \lim \mathrm{t} \\ & \text { rood } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stantime | Rign | Thru | Left | Truck | App． Total | Bigh | T⿴囗 | Left | Tuck | App． Totat | Ripht | Tur | Left | Thuck | App． Total | Right | Thu | left | Yuck | App Towal |  |  |  |
| Factor | 2.0 | 10 | 1.0 | 1.0 |  | 1.0 | 1.0 | 1.0 | 1.0 |  | 1.0 | 1.0 | 1.0 | 1.0 |  | 1.0 | 10 | 8.0 | 1.0 |  |  |  |  |
| 07：00 Am | 0 | 38 | 0 | 0 | 34 | 0 | 0 | 7 | 0 | 7 | 0 | 20 | 0 | 1 | 20 | 2 | 0 | 2 | 0 | 4 | 1 | 65 | 66 |
| 07：15 Am | 2 | 48 | 0 | 0 | 50 | 0 | 0 | 4 | 0 | 4 | 1 | 22 | 1 | 5 | 24 | 3 | 0 | 1 | 0 | 4 | 5 | 82 | 87 |
| 0730 $\mathrm{ma}^{\text {a }}$ | 0 | B6 | 5 | 2 | 71 | 1 | 1 | 3 | 0 | 5 | 1 | 20 | 2 | 0 | 23 | 7 | 1 | 1 | 1 | 9 | 3 | 308 | 112 |
| 07：45 AM | 0 | 57 | 3 | 1 | 60 | 3 | 0 | 6 | 0 | 9 | 1 | 34 | 0 | 3 | 35 | 2 | 0 | 1 | 0 | 3 | 4 | 107 | 112 |
| Trial | 2 | 205 | 8 | 3 | 215 | 4 | 1 | 20 | 0 | 25 | 3 | 96 | 3 | 9 | 102 | 18 | 1 | 5 | \} | 20 | 13 | 362 | 375 |
| 08：00 A | 0 | 50 | 2 | 3 | 52 | 4 | 2 | 10 | 0 | 16 | 5 | 25 | 0 | 1 | 30 | 3 | 1 | 0 | 0 | 4 | 4 | 102 | 106 |
| 08：15 1 阴 | 0 | 54 | 6 | 1 | 60 | 6 | 0 | 10 | 0 | 16 | 5 | 22 | 8 | 2 | 28 | 7 | 0 | 0 | 1 | 7 | 4 | 112 | 115 |
| 08：30 Am | 0 | 49 | 3 | 0 | 52 | 3 | 0 | 9 | 0 | 22 | 4 | 23 | 0 | 2 | 27 | 4 | 0 | 1 | 0 | 5 | 2 | 96 | 98 |
| 08.45 Am | I | 98 | 3 | 1 | 52 | 5 | 2 | 20 | 0 | 16 | 5 | 29 | 1 | 1 | 27 | 3 | 1 | 1 | 0 | 5 | 2 | 100 | 102 |
| Total | 1 | 20. | 14 | 5 | 286 | 18 | 3 | 39 | 0 | 60 | 19 | 91 | 2 | 6 | 112 | 17 | 2 | 2 | 1 | 22 | 12 | 909 | 422 |
| Grand thal | 3 | 406 | 22 | 8 | 432 | 22 | 令 | 59 | 0 | 85 | 22 | 197 | 5 | 35 | 214 | 31 | 3 | 7 | 2 | 41 | 25 | 771 | 796 |
| прpres\％ | 0.7 | 94.2 | 5.1 |  |  | 25.9 | 8.7 | 69.4 |  |  | 10.3 | 87.4 | 23 |  |  | 75.6 | 7.3 | 17.1 |  |  |  |  |  |
| Tctal \％ | 0.4 | 52.7 | 29 |  | 55.9 | 2.9 | 0.5 | 7.7 |  | 11.0 | 29 | 24.3 | 0.6 |  | 27.8 | 40 | 0.4 | 0.9 |  | 53 | 3.2 | 96.9 |  |




Peak Hour From 07：00 ABt to 08：A5 ARA－Peak iof A

| By Appraadr | 07：30 A ${ }_{\text {a }}$ |  |  |  | 08：00am |  |  |  |  |  |  |  | 07：30 AM |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Volume | 0 | 227 | 86 | 243 | 18 | 3 | 39 | 60 | 15 | 10. | $\cdots$ | 120 | 19 | 2 | 2 | 23 |
| Percort | 0.0 | 93.4 | 6.6 |  | 30.0 | 5.0 | 65.0 |  | 12.5 | 88.7 | 0.8 |  | 820 | 8.7 | $8 \%$ |  |
| Hiterim | 07：30AM |  |  |  | 08：00 A |  |  |  | 07： ¢ $^{\text {a AR }}$ |  |  |  | 07：30 A 等 |  |  |  |
| Vobume | 0 | 86 | 5 | 73. | A | 2 | 80 | 16 | 3 | 34 | 0 | 35 | 7 | 2 | ＊ | 9 |
| Pedreactor |  |  |  | 0856 |  |  |  | 0.938 |  |  |  | 0.857 |  |  |  | 0.639 |

TRAFFICOUNT: INC.
PMB 1954820 YELM HWY SE STEB
WODOTNVLRE, WASHBMCTON 19514 ST

WOODINVILLE-SNOHOMISHRD
LOC\# 01 TPG04064M

LACEY, WA 98503
360-491-8116

File Name: TPC06401P
Site Code : 00000002
Start Date : 03/04/200
Page No :2

| Start Time | NE 195TH ST From North |  |  |  | $\begin{gathered} \text { WOODINVILLE-SNOHOMISH } \\ \text { RD } \\ \text { From East } \end{gathered}$ |  |  |  | NE 195TH ST <br> From South |  |  |  | WOODINVILLE-SNOHOMISH <br> RD <br> From West |  |  |  | , |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| intersection | 04:15 PM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Volume | 263 | 279 | 77 | 619 | 77 | 718 | 46 | 834 | 42 | 412 | 311 | 764 | 207 | 793 | 70 | 2008 | $32 \% 5$ |
| Percent | 42.5 | 45.8 | 12.8 |  | 9.2 | 85.3 | 5.5 |  | 5.4 | 53.9 | 40.7 |  | 20.5 | 725 | 6.9 | 1008 | $32 * 5$ |
| 04:30 volume | 101 | 59 | 19 | 279 | 17 | 187 | 19 | 223 | 8 | 97 | 87 | 192 | 53 | 181 | 6.9 |  |  |
| Peak Factor |  |  |  |  |  |  |  |  |  | 3 | 3 | 192 | 53 | 181 | 14 | 248 | ${ }_{0.958} 842$ |
| Kighlat. | 04:30 P |  |  |  | 05:00 PM |  |  |  | 05:00 PM |  |  |  | 04:45 PM |  |  |  | 0.958 |
| Volume | 101 | 59 | 19 | 179 | 22 | 192 | 20 | 224 | 11 | 124 | 88 |  | $52$ | 200 | 15 |  |  |
| Peak Factor |  |  |  | 0.865 |  |  |  | 0.931 |  |  |  | 0.880 | 52 |  | 1.5 | 0.994. |  |



WOODINVILLE, WASHINGTON
TH AVE NE
No 198TH ST
LOCH $01 \mathrm{PTPG04149M}$

File Name: TPG15301P
Site Code : 00000001
Start Date :06/01/2004
Page No : 1


| 05:00 PM | 0 | 47 | 1 | 1 | 48 | 0 | 0 | 6 | 0 | 6 | 2 | 83 | 4 | 0 | 89 | 1 | 0 | 0 | 0 | 1 | 1 | 144 | 145 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 05:15 PM | 0 | 64 | 0 | 0 | 64 | 1 | 0 | 1 | 0 | 2 | 6 | 83 | 7 | 0 | 96 | 3 | 1 | 0 | 0 | 4 | 0 | 166 | 166 |
| 05:30 PM | 0 | 40 | 0 | 0 | 40 | 2 | 1 | 4 | 0 | 7 | 6 | 57 | 2 | 0 | 65 | 6 | 0 | 0 | 0 | 6 | 0 | 118 | 118 |
| 05:45 PM | 1 | 46 | 3 | 0 | 48 | 1 | 0 | 10 | 0 | 11 | 4 | 63 | 3 | 0 | 70 | 2 | 0 | 0 | 0 | 2 | 0 | 131 | 131 |
| Total | 1 | 197 | 2 | 1 | 200 | 4 | 1 | 21 | 0 | 26 | 18 | 286 | 16 | 0 | 320 | 12 | 1 | 0 | 0 | 13 | 1 | 559 | 560 |
| Grand Total | 5 | 376 | 5 | 3 | 386 | 8 | 1 | 38 | 0 | 47 | 41 | 553 | 25 | 3 | 619 | 17 | 1 | 1 | 0 | 19 | 6 | 1071 | 1077 |
| Apprch \% | 1.3 | 97.4 | 1.3 |  |  | 17.0 | 2.1 | 80.9 |  |  | 6.6 | 89.3 | 4.0 |  |  | 89.5 | 5.3 | 5.3 |  |  |  |  |  |
| Total \% | 0.5 | 35.1 | 0.5 |  | 36.0 | 0.7 | 0.1 | 3.5 |  | 4.4 | 3.8 | 51.6 | 2.3 |  | 57.8 | 1.6 | 0.1 | 0.1 |  | 1.8 | 0.6 | 99.4 |  |




Peak Hou From 04:00 PN to 05:45 PM - Peak 1 of 1

| By Approach | 04:30 PM |  |  |  | 05:00 PM |  |  |  | 04:30 PR |  |  |  | 05:00 PM |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Volume | 2 | 213 | 1 | 216 | 4 | 1 | 21 | 26 | 21 | 307 | 17 | 345 | 12 | 1 | 0 | 13 |
| Percent | 0.9 | 98.6 | 0.5 |  | 15.4 | 3.8 | 80.8 |  | 6.1 | 89.0 | 4.9 |  | 92.3 | 7.7 | 0.0 |  |
| High lot. | 05:15 PM |  |  |  | 05:45 PM |  |  |  | 05:15 PM |  |  |  | 05.30 PM |  |  |  |
| Volume | 0 | 64 | 0 | 64 | 1 | 0 | 10 | 1 ii | 6 | 83 | 7 | 96 | 6 | 0 | 0 | 6 |
| Peak Factor |  |  |  | 0.844 |  |  |  | 0.591 |  |  |  | 0.898 |  |  |  | 0.542 |

TRAFFICOUNT, INC.
PMB 1954820 YELM HWY SE STE B
LACEY, WA 98503
File Name : TPG15301P
WOODINVILLE, WASHINGTON
156TH AVE NE
360-491-8116
Site Code : 00000001
98TH ST
Start Date : 06/01/2004
LOC: 0 : 1 PTPG04149M
Page No : 2


## TRAFFICOUNT, INC.

PMB 1954820 VE M HMY SE STEB
WOODINVILE, WASHINGTON
LACEY, WA 98503
360-491-8116
Fie Name: TPG33604A
Site Code: 00000004
Start Date : 12/01/2004
Page No : 1
Groups Printed- Primary

|  | 156TH AVE NE From North |  |  |  |  | NE 195THST From East |  |  |  |  | 156TH AVE NE From Souith |  |  |  |  | NE 195 TH ST From West |  |  |  |  | Excay. <br> Total | Incule Total | $\begin{aligned} & \text { Kat } \\ & \text { Tokal } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sort Tme | Right | Thn | Lef | Tnuck | A甲р. <br> Total | Right | Thru | Left | Truch | App. <br> Total | Right | Thru | Left | Truck | App. <br> Total | Rignt | Thru | Left | Tuck | App. <br> Toíal |  |  |  |
| Factor | 1.0 | 1.0 | 1.0 | 1.0 |  | 1.0 | 1.0 | 1.0 | 1.0 |  | 1.0 | 2.0 | 10 | 1.0 |  | 1.0 | 10 | 1.0 | 1.0 |  |  |  |  |
| 07:00 AM | 0 | 36 | 1 | 0 | 37 | 0 | 0 | 6 | 0 | 6 | 3 | 19 | 1 | 0 | 23 | 3 | 1 | 1 | 0 | 5 | 0 | 71 | 71 |
| 07.15 AM | 0 | 49 | 2 | 0 | 51 | 1 | 0 | 6 | 0 | 7 | 6 | 22 | 2 | 0 | 30 | 3 | 0 | 2 | 0 | 5 | 0 | 93 | 93 |
| 07:30 Anf | 0 | 65 | 1 | 2 | 66 | 0 | 0 | 8 | 1 | 8 | 7 | 24 | 2 | 1 | 33 | 5 | 0 | 1 | 0 | 6 | 4 | 113 | 117 |
| 07:45 AM | 0 | 59 | 2 | 0 | 61 | 0 | 0 | 9 | 0 | 9 | 4 | 28 | 0 | 2 | 32 | 4 | 0 | 0 | 0 | 4 | 2 | 106 | 108 |
| Total | 0 | 209 | 6 | 2 | 215 | 1 | 0 | 29 | 1 | 30 | 20 | 93 | 5 | 3 | 118 | 15 | 1 | 4 | 0 | 20 | 6 | 383 | 389 |
| 08:00AA | 0 | 62 | 2 | 1 | 64 | 0 | 0 | 8 | 1 | 8 | 7 | 36 | 2 | 4 | 45 | 2 | 0 | 0 | 0 | 2 | 6 | 119 | 125 |
| 08.55 AM | 0 | 78 | 1 | 5 | 79 | 2 | 0 | 6 | 2 | 8 | 2 | 24 | 0 | 1 | 26 | 2 | 0 | 3 | 0 | 4 | 8 | 117 | 125 |
| 08:30 An | 0 | 53 | 1 | 0 | 54. | 0 | 0 | 4 | 0 | 4 | 0 | 23 | 0 | 0 | 23 | 5 | 0 | 3 | 0 | 8 | 0 | 89 | 89 |
| 08:45 AM | 0 | 46 | 0 | 1 | 46 | 1 | 1 | 7 | 1 | 9 | 4 | 20 | 2 | 2 | 28 | 3 | 1 | 0 | 0 | 4 | 4 | 85 | 99 |
| Total | 0 | 239 | 4 | 7 | 243 | 3 | 1 | 25 | 4 | 29 | 13 | 109 | 4 | 7 | 120 | 11 | 1 | 6 | 0 | 18 | 18 | 410 | 428 |
| Grand Total | 0 | 448 | 10 | 9 | 458 | 4 | 1 | 54 | 5 | 59 | 33 | 196 | 9 | 10 | 238 | 26 | 2 | 10 | 0 | 38 | 24 | 793 | 917 |
| Apprea\% | 0.0 | 97.8 | 23 |  |  | 6.8 | 1.7 | 91.5 |  |  | 13.9 | 82.4 | 3.8 |  |  | 68.4 | 5.3 | 26.3 |  |  |  |  |  |
| Total \% | 0.0 | 56.5 | 1.3 |  | 57.8 | 0.5 | 0.1 | 6.8 |  | 7.4 | 42 | 24.7 | 1.1 |  | 30.0 | 33 | 0.3 | 1.3 |  | 4.8 | 29 | 97.1 |  |

 Pear Houf From 07:00 AMn 008: A AM- Peak 1 of

| Intersection | 07:30 AR |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $0_{0.956}{ }^{4255}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| volume | 0 | 294 | 6 | 270 | 2 | 0 | 34 | 33 | 20 | 122 | 4 | 136 | 12 | 0 | 3 | 16 |  |  |
| Percent | 0.0 | 97.8 | 22 |  | 6.1 | 0.0 | 93.9 |  | 14.7 | 82.4 | 2.9 |  | 75.0 | 0.0 | 25.0 |  |  |  |
| 08:00 Volume | 0 | 62 | 2 | 64 | 0 | 0 | B | 8 | 7 | 36 | 2 | 45 | 2 | 0 | 0 | 2 |  |  |
| Peak Fackor |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| High int. | 08515ABA |  |  |  | 07:45 AM |  |  |  | 08:00 A ${ }^{\text {a }}$ |  |  |  | 07:30 AM |  |  |  |  |  |
| Volume | 0 | 78 | 1 | 79 | 0 | 0 | 9 | 9 | 7 | 36 | 2 | 85 | 5 | 0 | 1 | 6 |  |  |
| Peak Factor |  |  |  | 0.854 |  |  |  | 0.917 |  |  |  | 0.756 |  |  |  | 0.667 |  |  |

Peath hor From 07:00 AMio 08.45APt-Peak $10 \%$

| By Approach | 07:30AM |  |  |  | 07:30AM |  |  |  | 07:15 AR |  |  |  | 07:00 A ${ }^{\text {¢ }}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Volume | 0 | 268 | 6 | 270 | 2 | 0 | 32 | 33 | 24 | 140 | 6 | 140 | 45 | 1 | 4 | 20 |
| Percem. | Q 0 | 97.8 | 22 |  | 6.2 | 0.0 | 93.8 |  | 17.1 | 78.6 | 4.3 |  | 75.0 | 5.0 | 20.0 |  |
| Highlit. | 03:15AR |  |  |  |  |  |  |  | 08:00 AR |  |  |  | 0\% 30 AR |  |  |  |
| Volumo | 0 | 78 | 2 | 79 | 0 | 0 | ${ }^{3}$ | 9 | 7 | 36 | 2 | A5 | 5 | 0 | 2 | 6 |
| Peak Facior |  |  |  | 0.854 |  |  |  | 0.317 |  |  |  | 0.778 |  |  |  | 0.833 |

TRAFFICOUNT, NNC.
PMB 195 A820 VEIMHWY SESTER
WOODINULLE, WASHINGTON
LACEY, WA98503
Hile Name: $\operatorname{TPG} 33604 A$
156THAVENE
360-491-8116
site Code :00000004
StartDate: :12/01/2004
ME195THST
Page No :2

|  | From North |  |  |  | NE 195THST From East |  |  |  | 156THAVE NE From South |  |  |  | NE 195THST From West |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rimim | Thru | Left | App Total | nigit | Thru | Left | App. Total | Rigit | mind | left | App. Total | Hight | Thn | Leff | App, Total | Int Total |
| Pear Hour From 07:00 ATM to 08:45 AM- Peak 1 of 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Intersection | 07:30 A ${ }^{\text {a }}$ |  |  |  |  |  |  |  |  |  |  | 136 | 12 | 0 | 4 | 36 | 455 |
| Volume | 0 | 264 | 6 | 270 | 2 | 0 | 31 | 33 | 20 | 824 | 29 | 130 | 75.0 | 0.0 | 25.0 | 0 | , |
| Percent | 0.0 | 97.8 | 2.2 |  | 6.1 | 0.0 | 93.9 |  | 14.7 | 82.4 | 2.9 2 | 45 | 75.0 | 000 | 20 0 | 2 | 110 |
| 08:00 Volume | 0 | 62 | 2 | 64 | 0 | 0 | 8 | 8 |  |  | 2 |  |  |  |  |  | 0.955 |
| Peak Factor | 08.25 A |  |  |  | 07:45 AM |  |  |  | 08:00 ARA |  |  |  | 07:30 AR |  |  |  |  |
| volume | 0 | 78 | 1 | 79 | 0 | 0 | 9 | 9 | 7 | 36 | 2 | 45 | 5 | 0 | 2 | 6 |  |
| Pealiferctor |  |  |  | 0.854 |  |  |  | 0.017 |  |  |  | 0.756 |  |  |  | 0.667 |  |




| TOTALS | 15 | 0 | 5 | 7 | 374 | 10 | 20 | 559 | 40 | 31 | 1. | 8 | 1070 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PHF | 0.38 | 0 | 0.38 | 0.25 | 0.83 | 0.38 | 0.6 | 0.88 | 0.52 | 0.7 | 0 | 0.5 | 0.92 |
| \% Trucks | 0 | 0 | 0 | 14.3 | 2.7 | 10 | 0 | 2.7 | 2.5 | 6.5 | 0 | 12.5 |  |
| Stopped Buses | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2. | 0 | 0 | 0 | 0 |  |
| Pedestrians |  | 1 |  |  | 0 |  |  | 0 |  |  | 0 |  |  |


File: Ecds


|  | EASTBOUND |  |  | SOUTHBOUND |  |  | NORTHBOUND |  |  | WESTBOUND |  |  | ALL |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TIME PERIOD | $\checkmark$ | $\cdots$ | - $\uparrow$ | $\stackrel{1}{1}$ | $\checkmark$ | $\xrightarrow{\rightarrow}$ |  | $\uparrow$ |  | $\downarrow$ |  | 1 |  |
| ALL VEHICLES |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16:15-16:30 | 4 | 0 | 1 | 2 | 42 | 1 | 4 | 78 | 11 | 1 | 0 | 0 | 144 |
| 16:30-16:45 | 1 | 0 | 0 | 0 | 42 | 0 | 4 | 65 | 1 | 5 | 0 | 1 | 119 |
| 16:45-17:00 | 1 | 0 | 0 | 0 | 50 | 1 | 2 | 86 | 3 | 4 | 0 | 0 | 147 |
| 17:00-17:15 | 0 | 0 | 2 | 0 | 58 | 4 | $\%$ | 73 | 8 | 4 | 0 | 1 | 152 |
| LEGHT TRUCKS (STNGLE UNET 2 Ax Ens) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16:15-16:30 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 5 | 1 | 0 | 0 | 0 | 6 |
| 16:30-16:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 1 | 0 | 0 | 6 |
| 16:45-17:00 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | A | 0 | 0 | 0 | 0 | 3 |
| 17:00-17:15 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| MELUMM TRUCKS (STNGLEE UNRT 2 A AKIES) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15:15-16:30 | 0 | 0 | 0 | 0 | 0 | 0 | $1)$ | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:30-16:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:45-9:7:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00-17:15 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 1 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16:15-16:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:30-16:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1.6:45-17:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00-17:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ELCYCLES |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16:15-16:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:30-16:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 16:45-17:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00-17:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFDESTRTARES |  |  |  |  |  |  |  |  |  |  |  |  |  |
| crosswalk |  | SOUTH |  |  | WEST |  |  | ST |  |  | NORT |  | All |
| 1.6:1.5-16:30 |  | 0 |  |  | 0 |  |  | 0 |  |  | 0 |  | 0 |
| 16:30-1.6:45 |  | 1 |  |  | 0 |  |  | 0 |  |  | 0 |  | 1 |
| 16:45-17:00 |  | 0 |  |  | 0 |  |  | 0 |  |  | 0 |  | 0 |
| 17:00-17:15 |  | 0 |  |  | 0 |  |  | 0 |  |  | 0 |  | 0 |
| Pagk Hour ©y Movemernt |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PHF | 0.38 | 0 | 0.38 | 0.25 | 0.83 | 0.38 | 0.75 | 0.88 | 0.52 | 0.7 | 0 | 0.5 | 0.92 |
| \% Trucks(All) | 0 | 0 | 0 | 0 | 2.6 | 16.7 | 0 | 4 | 4.3 | 7.1 | 0 | 0 | 3.6 |
| \% Trucks(M+H) | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 |
| Stopped Buses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mouriy Tatals |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16:00-17:00 | 11 | 0 | 2 | 2 | 183 | 2 | 1.3 | 290 | 20 | 15 | 0 | 2 | 540 |
| 16:15-17:15 | 6 | 0 | 3 | 2 | 192 | 6 | 12 | 302 | 23 | 14 | 0 | 2 | 562 |
| 16:30-17:30 | 4 | 0 | 2 | 1 | 189 | 6 | 10 | 297. | 17 | 16 | 0 | 3 | 540 |
| 16:45-17:45 | 3 | 0 | 2 | 2 | 192 | 7 | 7 | 305 | 21 | 14 | 0 | 2 | 555 |
| 177:00-18:00 | 4 | 0 | 3 | 5 | 191 | 8 | 7 | 269 | 20 | 16 | 1 | 6 | 530 |

TRAFFCOUNT，INC．
PMB 1954820 VELM HWY SESTEB
WOODMNULE WASHINGTON
LACEY，WA 98503
Fille Name：TPG33605A
360－491－81．16
Site Code ： 00000005
Start Date：12／01／2004
Page No ： 1
Groups Printed－PRIMARY

|  | 156TH AVE NE From Nor？h |  |  |  |  | WOODINVILLE－DUVALL RD From East |  |  |  |  | From South |  |  |  |  | WOODINVILLE－DUVALL RD From West |  |  |  |  | Exde <br> Total | Inctu． <br> Total | $\operatorname{lin}_{\text {Total }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Startime | Right | Thas | Left | Truck | App． Totteit | Right | Thre | Left | Truck | App． <br> Total | Right | Thru | Left | Truck | App． Total | Rigit | Thru | Left | Tuck | App． <br> Total |  |  |  |
| Factor | 1.0 | 1.0 | 1.0 | 1.0 |  | 1.0 | 1.0 | 2.0 | 1.0 |  | 1.0 | 1.0 | 4.0 | 1.0 |  | 1.0 | 1.0 | 2.0 | 1.0 |  |  |  |  |
| 07：00 AM | 64 | 0 | 20 | 2 | 84 | 2 | 271 | 0 | 2 | 273 | 0 | 0 | 0 | 0 | 0 | 0 | 99 | 19 | 26 | 118 | 30 | 475 | 505 |
| 07：15 AM | 52 | 0 | 25 | 3 | 77 | 1 | 247 | 0 | 7 | 248 | 0 | 0 | 0 | 0 | 0 | 0 | 132 | 29 | 9 | 150 | 19 | 475 | 494 |
| 07：30 AM | 51 | 0 | 42 | 5 | 93 | 0 | 222 | 0 | 3 | 222 | 0 | 0 | 0 | 0 | 0 | 0 | 141 | 18 | 16 | 159 | 28 | 474 | 498 |
| 07：45 AR | 49 | 0 | 39 | 3 | 88 | 6 | 234 | 0 | 7 | 240 | 0 | 0 | 0 | 0 | 0 | 0 | 114 | 17 | 8 | 135 | 18 | 459 | 477 |
| total | 216 | 0 | 126 | 13 | 342 | 9 | 974 | 0 | 19 | 983 | 0 | 0 | 0 | 0 | 0 | 0 | 485 | 73 | 59 | 558 | 91 | 1883 | 1974 |
| 08：00 ABA | 41 | 0 | 25 | 7 | 66 | 2 | 233 | 0 | 7 | 235 | 0 | 0 | 0 | 0 | 0 | 0 | 112 | 25 | 4 | 137 | 18 | 438 | 456 |
| 08：15AM | 53 | 0 | 38 | 5 | 91 | 4 | 192 | 0 | 2 | 196 | 0 | 0 | 0 | 0 | 0 | 0 | 153 | 24 | 9 | 174 | 15 | 961 | 971 |
| 08：30 A誎 | 55 | 0 | 23 | 0 | 78 | 3 | 217 | 0 | 6 | 220 | 0 | 0 | 0 | 0 | 0 | 0 | 135 | 9 | 12 | 144 | 18 | 442 | 460 |
| 6s：45Am | 48 | 0 | 30 | 0 | 78 | 2 | 218 | 0 | 9 | 220 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 18 | 6 | 218 | 15 | 416 | 439 |
| Total | 197 | 0 | 116 | 12 | 313 | 11 | 860 | 0 | $2{ }^{2}$ | 871. | 0 | 0 | 0 | 0 | 0 | 0 | 500 | 73 | 31 | 573 | 67 | 1757 | 1824 |
| Grand Total | 413 | 0 | 242 | 25 | 655 | 20 | 1834 | 0 | 43 | 8854 | 0 | 0 | 0 | 0 | 0 | 0 | 985 | 146 | 90 | 1138 | 158 | 3640 | 3798 |
| Abpret \％ | 83.1 | 0.0 | 36.9 |  |  | 1.1 | 98.9 | 0.0 |  |  | 0.0 | 0.0 | 0.0 |  |  | 0.0 | 87.1 | 429 |  |  |  |  |  |
| Total\％ | 11.3 | 0.0 | 6.6 |  | 18.0 | 0.5 | 50.4 | 0.0 |  | 50.9 | 0.0 | 0.0 | 0.0 |  | 0.0 | 0.0 | 27.1 | 4.0 |  | 31.1 | 4.2 | 95.8 |  |



| Peak Hour From 07：00AM t0 08：45 AM－Peak 1 of 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| intersection | 07：00 A ${ }^{\text {P }}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Voluma | 216 | 0 | 126 | 342 | 9 | 974 | 0 | 983 | 0 | 0 | 0 | 0 | 0 | 485 | 73 | 556 | 1083 |
| percent | 63.2 | 0.0 | 36.8 |  | 0.9 | 99.1 | 0.0 |  | 0.0 | 0.0 | 0.0 |  | 0.0 | 86.9 | 13.1 |  |  |
| 07：15 Voiume | 52 | 0 | 25 | 77 | 1 | 247 | 0 | 248 | 0 | 0 | 0 | 0 | 0 | 138 | 18 | 250 | 475 |
| Peak Factor |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0．998 |
| High mit | 07：30ARI |  |  |  | 07：00 An |  |  |  | 6：95：00 AM |  |  |  | 07：30An |  |  |  |  |
| volume | 51 | 0 | 42 | 93 | 2 | 273 | 0 | 273 | 0 | 0 | 0 | 0 | 0 | 149 | 18 | 159 |  |
| Peak factor |  |  |  | 0.919 |  |  |  | 0.900 |  |  |  |  |  |  |  | 0.877 |  |


|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| By Apprach | 07：00 A㿽 |  |  |  | 07：00 Am |  |  |  | 0700 ABA |  |  |  | 07：30 A |  |  |  |
| Volume | 216 | 0 | 120 | 342 | 9 | 974 | 0 | 983 | 0 | 0 | 0 | 0 | 0 | 520 | 42 | 603 |
| Perext | 63.2 | 0.0 | 36.8 |  | 0.9 | 99.2 | 0.0 |  | － | － | － |  | 0.0 | 86.5 | 13.5 |  |
| Hightut． | 07：30 ${ }^{\text {a }}$ 3 |  |  |  | 07：00A䦎 |  |  |  | － |  |  |  | 08：15an |  |  |  |
| Volume | 51 | 0 | 42. | 93 | 2 | 271 | 0 | 273 | － | ＊ | － | － | 0 | 453 | 22 | 174 |
| Pearfactior |  |  |  | 0.919 |  |  |  | 0.900 |  |  |  | － |  |  |  | 0868 |

TRAFRCOUNT, ING
PME 1954820 YELM HWYSESTED
WOODINVLLE, WASHINGTON
LACEY, WA 98503
File Name:TPG33605A
156 TH AVE NE
360-491-8116
Site Code :00000005
Start Date: 12/01/2004
Page No :2

|  | 156THAVENE From North |  |  |  | WOODINVILLE-DUVALTRD From East |  |  |  | From South |  |  |  | WOODINVILLE-DUNALL RD From West |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| StartTime | Pight | Thru | Left | App. Total | Righ | Thru | Left | App. Total | Right | Thus | Left | App. Total | Right | Thu | Left | App Tomal | Int Total |


| Peak Hour From 07:00 | A1910 $08: 45$ | ea |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| intersection Votume | $\begin{gathered} 07: 00 \mathrm{AR} \\ 216 \end{gathered}$ | 0 | 126 | 342 | 9 | 974 | 0 | 983 | 0 | 0 | 0 | 0 | 0 | 485 | 73 | 559 | 1883 |
| Percent | 63.2 | 0.0 | 36.8 |  | 0.9 | 99.1 | 0.0 |  | 0.0 | 0.0 | 0.0 |  | 0.0 | 86.9 | 13.4 |  |  |
| 07:15 Volume | 52 | 0 | 25 | 77 | 1 | 247 | 0 | 248 | 0 | 0 | 0 | 0 | 0 | 131 | 19 | 150 | 875 |
| Peak Factor |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.998 |
| High lit. | 07:30 AL |  |  |  | 07:00 AM |  |  |  | 6:45:00 ${ }^{\text {an }}$ |  |  |  | 07:30 AM |  |  |  |  |
| Volume | 51 | 0 | 42 | 93 | 2 | 272 | 0 | 273 | 0 | 0 | 0 | 0 | 0 | 142 | 18 | 159 |  |
| Peak Factor |  |  |  | 0.919 |  |  |  | 0.900 |  |  |  |  |  |  |  | 0.877 |  |



|  | 電 | $\cdots$ | *- | ${ }_{4}{ }^{\text {a }}$ | * | \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBT | WBT | WBR | SBL | SBR |
| Volume (vph) | 311 | 1076 | 771 | 23 | 162 | 141 |
| Confl. Peds. (\#/hr) |  |  |  |  |  |  |
| Confl. Bikes (\#/hr) |  |  |  |  |  |  |
| Peak Hour Factor | 0.97 | 0.97 | 0.93 | 0.93 | 0.91 | 0.91 |
| Growth Factor | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% |
| Heavy Vehicles (\%) | 1\% | 1\% | 3\% | 3\% | 3\% | 3\% |
| Bus Blockages (\#/hr) | 0 | 0 | 0 | 0 | 0 | 0 |
| Parking (\#/hr) |  |  |  |  |  |  |
| Mid-Block Traffic (\%) |  | 0\% | 0\% |  | 0\% |  |
| Intersection Summary |  |  |  |  |  |  |

## TRAFFCOUNTI，INC．

PNB 1954820 YEL M HWY SE STEB
WOODINVLLE，WASHINGTON
LACEY，WA 98503
Fle Name ：TpG33606A
360－491－8116
Site Code ：00000006
Start Date ：12／01／2004
Page No ： 1
Groups Printed－PRIMARY

|  | From North |  |  |  |  | NE WOODINVILLE WAY From Easí |  |  |  |  |  |  |  |  |  | NE WOODINVILLE WAY From West |  |  |  |  | Exclu． Total | Inclu． Total | $\begin{aligned} & \text { Int: } \\ & \text { Total } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Startime | Right | Thra | Left | Truck | App． Total | Right | Thre | Left | Tmuck | App． <br> Total | Right | Tna | Left | Thuck | App． Total | Rignt | Thru | Left | Truck | App． Total |  |  |  |
| Factor | 10 | 1.0 | 1.0 | 10 |  | 1.0 | 1.0 | 1.0 | 1.0 |  | 1.0 | 4.0 | 1.0 | 1.0 |  | 10 | 1.0 | 1.0 | 1.0 |  |  |  |  |
| 07：0才 AM | 0 | 0 | 0 | 0 | 0 | 0 | 288 | 53 | 1 | 341 | 25 | 0 | 25 | 2 | 50 | 8 | 104 | 0 | 17 | 112 | 20 | 503 | 523 |
| 07：15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 227 | 52 | 2 | 279 | 37 | 0 | 6 | 0 | 23 | 16 | 139 | 0 | 6 | 155 | 8 | 457 | 465 |
| 07：30 A ${ }^{\text {a }}$ | 0 | 0 | 0 | 0 | 0 | 0 | 218 | 88 | 4 | 292 | 20 | 0 | 47 | 6 | 37 | 17 | 149 | 0 | 15 | 166 | 25 | 495 | 520 |
| 07：45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 177 | 101 | 5 | 278 | 21 | 0 | 13 | 1 | 34 | 10 | 114 | 0 | 2 | 124 | 8 | 436 | 444 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 903 | 287 | 12 | 1190 | 83 | 0 | 61 | 9 | 444 | 51 | 506 | 0 | 40 | 557 | 61 | 1891 | 1952 |
| 08：00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 296 | 83 | 2 | 279 | 29 | 0 | 30 | 3 | 39 | 14 | 105 | 0 | 3 | 219 | 9 | 437 | 445 |
| 08：15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 281 | 81 | 4 | 262 | 47 | 0 | 13 | 4 | 60 | 18 | 128 | 0 | 2 | 146 | 10 | 468 | 478 |
| 08.30 A ${ }^{\text {\％}}$ | 0 | 0 | 0 | 0 | 0 | 0 | 198 | 96 | 7 | 294 | 29 | 0 | 29 | 3 | 50 | 14 | 123 | 0 | 4 | 137 | 14 | 481 | 493 |
| 08.45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 101 | 8 | 301 | 32 | 0 | 14 | 1 | 46 | 23 | 95 | 0 | 1 | 118 | 10 | 465 | 775 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 775 | 369 | 21 | 1136 | 137 | 0 | 58 | 12 | 195 | 69 | 453 | 0 | 20 | 520 | 43 | 1858 | 1894 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 0 | 1678 | 648 | 33 | 2326 | 220 | 0 | 119 | 21 | 339 | 120 | 957 | 0 | 50 | 1077 | 104 | 3742 | 3846 |
| Appreh\％ | 0.0 | 0.0 | 0.0 |  |  | 0.0 | 72.1 | 27.9 |  |  | 64.9 | 0.0 | 35.1 |  |  | 12.1 | 88.9 | 0.0 |  |  |  |  |  |
| Total \％ | 0.0 | 0.0 | 0.0 |  | 0.0 | 0.0 | 44.8 | 17.3 |  | 62.2 | 59 | 0.0 | 3.2 |  | 0.1 | 3.2 | 25.6 | 0.0 |  | 28.8 | 27 | 97.3 |  |


|  | From North |  |  |  | NE WOODINVILLE WAY From East |  |  |  | NE WOODINVILLE－GUVALL RD From South |  |  |  | NE WOODINVILLE WAY From West |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Startime | Rigme |  | Leff | App．tozal | Figma | Theu | Lext | Apo Total | nigt | Tiru | Lef | App Yota | nigha | The | Left | App Tocal | He Total |
| Peak Hour From 07：00 Ant to 08：45 AR－Peak 1 of 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Infersection | 07：00 AM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Votume | 0 | 0 | 0 | 0 | 0 | 903 | 287 | 1290 | 83 | 0 | 61 | 184 | 51 | 506 | 0 | 557 | 1891 |
| Percent | 0.0 | 0.0 | 0.0 |  | 0.0 | 75.9 | 28.1 |  | 57.6 | 0.0 | 42 A |  | 9.2 | 30.8 | 0.0 |  |  |
| 07：00 Volume | 0 | 0 | 0 | 0 | 0 | 288 | 53 | 341 | 25 | 0 | 25 | 50 | 8 | 104 | 0 | 112 | 503 |
| Peatractar |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.900 |
| Highint | 6：8500 An |  |  |  | 07：00 AM |  |  |  | 07：00 A A |  |  |  | 07：30 AM |  |  |  |  |
| Volume | ${ }^{(1)}$ | 0 | 0 | 0 | 0 | 288 | 53 | 382 | 23 | 0 | 25 | 50 | 17 | 149 | 0 | 166 |  |
| Peakfactor |  |  |  |  |  |  |  | 0.372 |  |  |  | 0.720 |  |  |  | 0.839 |  |



| By Approach | 07：00AM |  |  |  | 07：00A閏 |  |  |  | 0800 An |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Volume | 0 | 0 | 0 | 0 | 0 | 908 | 237 | 1900 | 237 | 0 | 58 | 135 | 57 | 507 | 0 | 564 |
| Percent | － | － | － |  | 0.0 | 75.9 | 24.1 |  | 70.3 | 0.0 | 29.7 |  | 3.3 .1 | 89.9 | 0.0 |  |
| Hightm | － |  |  |  | 67：00888 |  |  |  |  |  |  |  | 07308B |  |  |  |
| Volume | － | － | ＊ | － | 0 | 288 | 58 | 304 | 47 | 0 | 13 | 60 | 87 | 349 | 0 | 166 |
| Peat Frator |  |  |  | － |  |  |  | 0.872 |  |  |  | 0.323 |  |  |  | 0888 |

File Name :TPG33606A
Site Code :00000006
Start Date : 12/01/2004
Pageno :2

|  | From North |  |  |  | NE WOODINVILLEWAY <br> From Eas: |  |  |  | NE WOODINVILLE-DUVALLRD From South |  |  |  | NE WOODINVILLE WAY From West |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stantime | Fight | Tha | Lefl | App Total | Righi | True | Lext | Apg Toter | Right | Tha | Left | App. Total | Right | Tru | Left | App. Total | Ine Totas |
| PeakHour Frum 07:00 Aft to 08:45 Anf - Peak 10 f1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Intersection | 07:00 A A |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Volume | 0 | 0 | 0 | 0 | 0 | 903 | 287 | 1190 | 83 | 0 | 61 | 144 | 51 | 506 | 0 | 557 | 1292 |
| Pexcent | 0.0 | 0.0 | 0.0 |  | 0.0 | 75.9 | 24.1 |  | 57.6 | 0.0 | 42.4 |  | 9.2 | 90.8 | 0.0 |  |  |
| 07:00 Volume | 0 | 0 | 0 | 0 | 0 | 288 | 53 | 331 | 25 | 0 | 25 | 50 | 8 | 204 | 0 | 1.2 | 503 |
| Peak Factor |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.840 |
| Hightat | 6:45\%00 AR |  |  |  | 07:00 ABI |  |  |  | 07:00AR |  |  |  | 07:30 AM |  |  |  |  |
| Volume | 0 | 0 | 0 | 0 | 0 | 288 | 53 | 361 | 25 | 0 | 25 | 50 | 17 | 149 | 0 | 166 |  |
| Peak Factor |  |  |  |  |  |  |  | 0.872 |  |  |  | 0.720 |  |  |  | 0839 |  |



|  | $\cdots$ | \% | 管 | - | 滖 | \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBT | EBR | WBL | WBT | NBL | NBR |
| Volume (vph) | 1006 | 97 | 296 | 719 | 71 | 511 |
| Confl. Peds. (\#/hr) |  |  |  |  |  |  |
| Confl. Bikes (\#/hr) |  |  |  |  |  |  |
| Peak Hour Factor | 0.92 | 0.92 | 0.96 | 0.96 | 0.89 | 0.89 |
| Growth Factor | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% |
| Heavy Vehicles (\%) | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |
| Bus Blockages (\#/hr) | 0 | 0 | 0 | 0 | 0 | 0 |
| Parking (\#/hr) |  |  |  |  |  |  |
| Mid-Block Traffic (\%) | 0\% |  |  | 0\% | 0\% |  |
| Intersection Summary |  |  |  |  |  |  |

TRAFFICOUNT, ING.
PMB 1954820 YELMHWMSESTEB
WOODRNULE WASHMNGON
LACEX, WA98503
File Name: TPG33607A
360-491-8116
Site Code : 00000007
Start Date : 12/01/2004
Page No :1
Groups Printed-PRIMARY

|  | $\begin{gathered} \text { WOODINVILLESNOHOMISH } \\ \text { RD } \\ \text { From North } \end{gathered}$ |  |  |  |  | NE WOODINVILLE WAY <br> From East |  |  |  |  | $\begin{gathered} \text { WOODINVILLE SNOHOMISH } \\ \text { RD } \\ \text { from South } \\ \hline \end{gathered}$ |  |  |  |  | NE 195TH ST From West |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Starthrme | Right | Thru | Left | Truch | App. <br> Total | Right | Thre | Left | Truck | $\begin{aligned} & \text { App. } \\ & \text { Total } \end{aligned}$ | Right | Thru | Left | тuch | App. Total | Right | Thu | Left | Truck | App. <br> Total | Exclu. Total | Inctu. Total | $\begin{gathered} \operatorname{lnt} \\ \text { Totad } \end{gathered}$ |
| Factor | 2.0 | 1.0 | 1.0 | 1.0 |  | 1.0 | 1.0 | 1.0 | 1.0 |  | 1.0 | 1.0 | 1.0 | 1.0 |  | 2.0 | 1.0 | 3.0 | 1.0 |  |  |  |  |
| 67:00 AM | 18 | 89 | 28 | 20 | 135 | 8 | 263 | 1 | 12 | 272 | 1 | 24 | 48 | 5 | 73 | 42 | 149 | 40 | 33 | 231 | 69 | 711 | 780 |
| 07:15 AM | 21 | 107 | 24 | 16 | 152 | 9 | 224 | 1 | 5 | 234 | , | 33 | 54 | 13 | 90 | 45 | 141 | 40 | 22 | 226 | 46 | 702 | 748 |
| 07:30 AM | 20 | 78 | 29 | 13 | 127 | 13 | 198 | 4 | 14 | 215 | 4 | 43 | 32 | 16 | 79 | 43 | 177 | 51 | 15 | 271 | 58 | 692 | 750 |
| 07-45 ABA | 23 | 84 | 33 | 18 | 238 | 13 | 215 | 8 | 10 | 236 | 8 | 33 | 16 | 9 | 57 | 56 | 180 | 51 | 12 | 287 | 49 | 718 | 767 |
| Total | 80 | 359 | 114 | 67 | 552 | 43 | 900 | 14 | 40 | 957 | 16 | 133 | 150 | 83 | 299 | 186 | 647 | 182 | 72 | 2015 | 222 | 2823 | 3045 |
| 08:00am | 24 | 105 | 22 | 16 | 151 | 9 | 370 | 3 | 9 | 182 | 3 | 31 | 19 | 9 | 53 | 53 | 193 | 50 | 12 | 296 | 46 | 682 | 728 |
| 08:15 AM | 23 | 77 | 23 | 9 | 129 | 9 | 191 | 4 | 10 | 204 | 3 | 24 | 32 | 6 | 59 | 38 | 167 | 43 | 9 | 248 | 34 | 634 | 668 |
| 0630 Ans | 19 | 100 | 26 | 8 | 145 | 11 | 166 | 5 | 7 | 182 | 5 | 29 | 26 | 7 | 60 | 57 | 142 | 35 | 21 | 234 | 43 | 621 | 664 |
| 08:55 Am | 24 | 101 | 24 | 17 | 149 | 14. | 290 | 10 | 13 | 214 | 4 | 29 | 30 | 6 | 63 | 60 | 142 | 38 | 16 | 240 | 52 | 666 | 718 |
| Total | 90 | 383 | 95 | 50 | 568 | 43 | 747 | 22 | 39 | 782 | 15 | 113 | 207 | 28 | 235 | 208 | 648 | 166 | 59 | 1018 | 1,75 | 2603 | 2778 |
| Grand Totel | 170 | 751 | 209 | 117 | 1120 | 86 | 1617 | 36 | 79 | 1739 | 31 | 246 | 257 | 72 | 534 | 394 | 4291 | 348 | 130 | 2033 | 397 | 5426 | 5828 |
| Apprety | 15.2 | 66.2 | 18.7 |  |  | 4.9 | 93.0 | 2.1 |  |  | 5.8 | 46.1 | 48.2 |  |  | 19.4 | 63.5 | 17.1 |  |  |  |  |  |
| Teta \% | 3.2 | 33.7 | 3.9 |  | 20.6 | 2.6 | 29.8 | 0.7 |  | 32.0 | 0.6 | 4.5 | 4.7 |  | 9.8 | 7.3 | 23.8 | 6.4 |  | 37.5 | 6.8 | 93.2 |  |

 Peak Hour From 07:00 AM no 08:45 ABA - Peak 1 of 1

| imersection | 07:00 AH |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Votume | 80 | 858 | 214 | 552 | 43 | 900 | 18 | 957 | 16 | 133 | 150 | 299 | 786 | 647 | 282 | 3015 | 2823 |
| Percent | 84.5 | 64.9 | 20.7 |  | 4.5 | 94.0 | 1,5 |  | 5.4 | 44.5 | 50.2 |  | 18.3 | 63.7 | 17.9 |  |  |
| 976:55 Volume | 21 | 88 | 33 | 138 | 13 | 215 | 8 | 236 | 8 | 33 | 16 | 57 | 55 | 180 | 51 | 287 | 718 |
| Peak factor |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.988 |
| Hign lit | 07:15AU |  |  |  | 07:00 AR |  |  |  | 07:15 A4 |  |  |  | 07:45 AM |  |  |  |  |
| Volume | 21 | 107 | 24 | 152 | 8 | 263 | 8 | 272 | 3 | 33 | 54 | 90 | $5{ }^{\text {5 }}$ | 180 | 51. | 287 |  |
| Peak factor |  |  |  | 0.908 |  |  |  | 0.880 |  |  |  | 0.834 |  |  |  | 0.888 |  |



| Ey Approan | 07:25 AM |  |  |  | 07:00 Am |  |  |  | 07:00 A ${ }^{\text {d }}$ |  |  |  | 07:30 A ${ }^{\text {P }}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Vohme | 86 | 374 | 108 | 568 | 45 | 900 | 14 | 927 | 16 | 133 | 2513 | 299 | 190 | 717 | 396 | 1902 |
| Percent | 251 | 65.9 | 39.0 |  | 4.5 | 98.6 | 4,5 |  | 5.8 | 485 | 50.2 |  | 27.2 | 65.2 | 17.7 |  |
| Hightor | 07,25 AM |  |  |  | OT:00AR |  |  |  | 07:15AM |  |  |  | 08:00 A ${ }^{\text {a }}$ |  |  |  |
| Volume | 29 | 107 | 24 | 352 | 8 | 263 | 2 | 272 | 3 | 33 | 54 | 90 | 53 | 193 | 50 | 296 |
| Peat facior |  |  |  | 0.934 |  |  |  | 0.880 |  |  |  | 0.931 |  |  |  | 0.932 |

## PMB 195 A820 YELM HWY SESTEP

WOODINVLLE WASHINGTON
LACEY, WA 98503
File Name : Tpge33607A
WOODINVLLE-SNOHOMISHRD
360-491-8116
Site Code :00000007
Start Date: $12 / 01 / 2004$
Page No :2

|  | WOO | $\begin{aligned} & \text { VULL } \\ & \text { Fron } \end{aligned}$ | SNOH <br> orth | $\overline{\mathrm{MISH}}$ | NE WOODINVILLE WAY From East |  |  |  | WOOTINVILLESNOHOMISH <br> RD <br> From South |  |  |  | NE 195TH ST From West |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stant Tme | Righa | Thni | Lefl | App. Total | Fight | Tha | Lefl | App.Total | Rigit | Thu | Left | App. Tolat | Righim | Thru | Left | App. Total | Int. Total |
| Peak Hour From 07:00 Abf to 08:45 ARA P Peak 1 of 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Intersection | 07:00 AM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Volume | 80 | 358 | 114 | 552 | 43 | 900 | 14 | 957 | 16 | 133 | 150 | 299 | 186 | 647 | 282 | 1045 | 2823 |
| Patrent | 14.5 | 64.9 | 20.7 |  | 4.5 | 94.0 | 1.5 |  | 5.4 | 44.5 | 50.2 |  | 18.3 | 63.7 | 17.9 |  |  |
| 07:45 Volume | 22 | 84 | 33 | 138 | 13 | 215 | 8 | 236 | 8 | 33 | 26 | 57 | 56 | 180 | 51 | 287 | 718 |
| PeakFactor |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.983 |
| Highlme | 07:25 Am |  |  |  | 07:00A8年 |  |  |  | 07:25AR |  |  |  | 07:45 AM |  |  |  |  |
| Volume | 23 | 107 | 24 | 152 | $g$ | 268 | 8 | 272 | 3 | 33 | 54 | 90 | 56 | 180 | 51 | 287 |  |
| Peakfactor |  |  |  | 0.908 |  |  |  | 0.980 |  |  |  | 0.931 |  |  |  | 0.888 |  |



TRAFFICOUNT, INC.
PMB 1954820 YELM HWY SESTE $B$

YODINVILLE, WASHINGTON .vE 195TH ST WOODINVILLE-SNOHOMISH RD LOC\# 01 TPG04064M

LACEY, WA 98503
360-491-8116

File Name : TPG06401P
Site Code : 00000001
StartDate : 03/04/2034
Page No : 1

|  | NE 195TH ST From North |  |  |  |  | $\begin{gathered} \text { WOODINVILLESNOHOMISH } \\ \text { RD } \\ \text { From East } \end{gathered}$ |  |  |  |  | NE 195TH ST From South |  |  |  |  | WOODINVILLE-SNOHOMISH RD <br> From West |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Right | Thrs | Left | Truck | App. Total | Right | Thus | Left | Truck | App. Total | Right | Thru | Left | Truck | App. <br> Total | Right | Thru | Left | Truck | App. <br> Total | Exclu. rotal | Inclu. <br> Totat | $\begin{aligned} & \text { inb } \\ & \text { Total } \end{aligned}$ |
| Factor | 1.0 | 1.0 | 1.0 | 1.0 |  | 1.0 | 2.0 | 8.0 | 1.0 |  | 1.0 | 1.0 | 1.0 | 1.0 |  | 1.0 | 10 | 1.0 | 1.0 |  |  |  |  |
| 04:00 PM | 45 | 63 | 8 | 4 | 116 | 19 | 164 | 11 | 9 | 194 | 12 | 122 | 79 | 5 | 213 | 44 | 149 | 29 | 11 | 212 | 29 | 735 | 764 |
| 04:15 P限 | 62 | 67 | 15 | 9 | 14.4 | 21 | 173 | 8 | 11 | 202 | 12 | 102 | 71 | 9 | 2185 | 44 | 172 | 30 | 7 | 246 | 36 | 777 | 81.) |
| 04;30 PM | 201 | 59 | 19 | 4 | 179 | 17 | 187 | 19 | 5 | 223 | 8 | 97 | 87 | 4 | 192 | 53 | 181 | 14 | 10 | 248 | 23 | 842 | $8 \mathrm{E}^{5}$ |
| 04:45PM | 46 | 82 | 29 | 4 | 157 | 17 | 159 | 9 | 4 | 185 | 10 | 89 | 71 | 6 | 170 | 52 | 200 | 85 | 5 | 267 | 19 | 779 | 79\% |
| Total | 254 | 271 | 71 | 21 | 596 | 74 | 683 | 47 | 29 | 804 | 42 | 410 | 308 | 24 | 760 | 193 | 702 | 78 | 33 | 973 | 107 | 3133 | 3248 |


| 05:00 PM | 54 | 71 | 14 | 4 | 139 | 22 | 192 | 10 | 5 | 224 | 11 | 124 | 82 | 10. | 217 | 58 | 178 | 11 | 4 | 247 | 23 | 827 | 850 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 05:15 PM | 29 | 72 | 7 | 1 | 308 | 24 | 166 | 10 | 6 | 200 | 7 | 99 | 75 | 4 | 188 | 42 | 168 | 18 | 8 | 224 | 19 | 713 | 732 |
| 05:30 PM | 37 | 52 | 16 | 2 | 1.05 | 17 | 157 | 24 | 4 | 188 | 5 | 100 | 80 | 4 | 185 | 52 | 202 | 7 | 5 | 261 | 1.5 | 739 | 754 |
| 05:45 PM | 26 | 72 | 14 | 1 | 112 | 16 | 122 | 5 | 1 | 143 | 12 | 115 | 67 | 3 | 193 | 64 | 178 | 10 | 7 | 252 | 12 | 700 | 712 |
| Total | 146 | 267 | 51 | 8 | 464 | 79 | 637 | 39 | 16 | 755 | 34 | 438 | 304 | 21 | 776 | 236 | 726 | 42 | 24 | 984 | 69 | 2979 | 3048 |
| Gpand Yotal | 400 | 538 | 122 | 29 | 1060 | 153 | 1320 | 86 | 45 | 1558 | 76 | 888 | 61.2 | 46 | 1536 | 409 | 1428 | 120 | 57 | 1957 | 176 | 6112 | $62 \mathrm{c}{ }^{\prime}$ |
| Appret\% \% | 37.7 | 50.8 | 11.5 |  |  | 9.8 | 84.7 | 5.5 |  |  | 4.9 | 55.2 | 39.8 |  |  | 20.9 | 73.0 | 6.1 |  |  |  |  |  |
| Total\% | 6.5 | 8.8 | 2.0 |  | 17.3 | 2.5 | 21.6 | 1.4 |  | 25.5 | 4.2 | 13.9 | 10.0 |  | 25.1 | 6.7 | 23.4 | 2.0 |  | 32.0 | 2.8 | 87.2 |  |


| 5 | NE 195TH ST From North |  |  |  | WOODINVILLESNOHOMISH <br> RD <br> From East |  |  |  | NE 195TH ST From South |  |  |  | WOODINVILLE-SNOHOMISH <br> RD <br> From West |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Right | Thru | Left | App. Yotal | Right | Thru | Geft | App. Total | Right | Thru | Left | App. Total | คight | Thru | Lef | App. Total | Int Toial |



Peak hour From 04:00 PM ro 05:45 PM. Peak \% of 2

| By Approacti | 08:15 PM |  |  |  | 04:25PM |  |  |  | 05:00 Pm |  |  |  | 04:15 PM |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Volume | 263 | 279 | 77 | 639 | 77 | 718 | 46 | 834 | 34 | 438 | 304. | 776 | 207 | 731 | 70 | 1008 |
| Percent | 425 | 45.1 | 12.4 |  | 9.2 | 85.3 | 5.5 |  | 4.4 | 56.4 | 39.2 |  | 20.5 | 72.5 | 6.9 |  |
| High lns. | 08:30 PM |  |  |  | 05:00 PM |  |  |  | 05:00 P/3 |  |  |  | 04:25 PM |  |  |  |
| Volume | 108 | 59 | 19 | 179 | 22 | 192 | 10 | 224 | 12 | 124 | 82 | 217 | 52 | 200 | 15 | 267 |
| Peak Facior |  |  |  | 0.865 |  |  |  | 0.931 |  |  |  | 0.893 |  |  |  | 0.984 |

TRAFFICOUNTIINC.

## PMB 1954820 YELM HWY SE STEB

WOODINVILE, WASHINGTON 195TH ST
WOODINVILLE-SNOHOMISH RD LOC\# 01 TPG04064M

LACEY, WA 98503
360-491-8116

File Name: TPG06401P
Site Code : 00000001
Start Date :03/04/200\%
Page No :2


| intersection | 04:15 PM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 263 | 279 | 77 | 619 | 77 | 714 | 46 | 834 | 41 | 412 | 311 | 764 | 207 | 731 | 70 | 3008 | 3235 |
| Percent | 42.5 | 45.1 | 12.4 |  | 9,2 | 85.3 | 5.5 |  | 5.4 | 53.9 | 40.7 |  | 20.5 | 72.5 | 6.9 |  |  |
| 04:30 Volume | 101 | 59 | 19 | 179 | 17 | 187 | 19 | 223 | 8 | 97 | 87 | 192 | 53 |  | 14 |  |  |
| Peak factor |  |  |  |  |  |  |  | 238 | 8 | 97 | 87 | 192 | 53 | 181 | 14 | 248 | $0.958{ }^{842}$ |
| Migh Int. <br> Volume | $04: 30$ PM 101 | 59 | 19 |  | $\begin{gathered} \text { 05:00 PM } \\ 22 \end{gathered}$ |  |  |  | 05:00 PM |  |  |  | 04:45 PM |  |  |  |  |
| Peak Rector |  | 59 | 18 | 179 0.865 | 22 | 192 | 10 | 224 0.931 | 11 | 124 | 82 | 217 0.880 | 52 | 200 | 15 | 267 0.944 |  |



## Exhibit T-2

## Highway Capacity Manual, 2000

Signalized intersection level of service (LOS) is defined in terms of the average total vehicle delay of all movements through an intersection. Vehicle delay is a method of quantifying several intangible factors, including driver discomfort, frustration, and lost travel time. Specifically, LOS criteria are stated in terms of average delay per vehicle during a specified time period (for example, the PM peak hour). Vehicle delay is a complex measure based on many variables, including signal phasing (i.e., progression of movements through the intersection), signal cycle length, and traffic volumes with respect to intersection capacity. Table 1 shows LOS criteria for signalized intersections, as described in the Highway Capacity Manual (Transportation Research Board, Special Report 209, 2000).

Table 1. Level of Service Criteria for Signalized Intersections

| Level of <br> Service | Average Control Delay <br> (sec/veh) | General Description <br> (Signalized Intersections) |
| :---: | :---: | :--- |
| A | $\leq 10$ | Free Flow |
| B | $>10-20$ | Stable Flow (slight delays) |
| C | $>20-35$ | Stable flow (acceptable delays) |
| D | $>35-55$ | Approaching unstable flow (tolerable delay, occasionally wait <br> through more than one signal cycle before proceeding) |
| E | $>55-80$ | Unstable flow (intolerable delay) |
| F | $>80$ | Forced flow (jammed) |

Unsignalized intersection LOS criteria can be further reduced into two intersection types: all-way stop-controlled and two-way stop-controlled. All-way, stop-controlled intersection LOS is expressed in terms of the average vehicle delay of all of the movements, much like that of a signalized intersection. Two-way, stop-controlled intersection LOS is defined in terms of the average vehicle delay of an individual movement(s). This is because the performance of a two-way, stop-controlled intersection is more closely reflected in terms of its individual movements, rather than its performance overall. For this reason, LOS for a two-way, stop-controlled intersection is defined in terms of its individual movements. With this in mind, total average vehicle delay (i.e., average delay of all movements) for a two-way, stop-controlled intersection should be viewed with discretion. Table 2 shows LOS criteria for unsignalized intersections (both all-way and two-way, stopcontrolled).

| Table 2. Level of Service Criteria for Unsignalized Intersections |  |
| :---: | :---: |
| Level of Service | Average Control Delay (sec/veh) |
| A | $0-10$ |
| B | $>10-15$ |
| C | $>15-25$ |
| D | $>25-35$ |
| E | $>35-50$ |
| F | $>50$ |

WOODINVILLE, WASHINGTON
156TH AVE NE
WOODINVILLE-DUVALL RD

TPG04335M
SB QUEUE OBSERVATIONS

| TIME | $\begin{gathered} \text { SB } \\ \text { RIGHT } \\ \text { TURN } \end{gathered}$ | $\begin{aligned} & \text { SB } \\ & \text { LEFT } \\ & \text { TURN } \end{aligned}$ |
| :---: | :---: | :---: |
| 7:00:05 | 6 | 2 |
| 7:01:58 | 9 | 1 |
| 7:03:44 | 5 | 3 |
| 7:05:33 | 3 | 5 |
| 7:07:25 | 11 | 2 |
| 7:09:13 | 6 | 4 |
| 7:11:00 | 5 | 0 |
| 7:12:55 | 6 | 2 |
| 7:14:40 | 7 | 2 |
| 7:16:35 | 10 | 4 |
| 7:18:25 | 4 | 2 |
| 7:20:20 | 3 | 4 |
| 7:22:05 | 5 | 3 |
| 7:23:55 | 0 | 4 |
| 7:25:45 | 6 | 1 |
| 7:27:30 | 2 | 3 |
| 7:29:23 | 1 | 5 |
| 7:31:11 | 4 | 5 |
| 7:33:03 | 2 | 6 |
| 7:34:54 | 5 | 7 |
| 7:36:44 | 4 | 4 |
| 7:38:36 | 0 | 2 |
| 7:40:22 | 7 | 7 |
| 7:42:15 | 4 | 7 |
| 7:44:03 | 4 | 3 |
| 7:45:54 | 3 | 5 |
| 7:47:44 | 3 | 6 |
| 7:49:34 | 1 | 7 |
| 7:51:24 | 4 | 2 |
| 7:53:12 | 0 | 3 |
| 7:55:00 | 0 | 2 |
| 7:56:55 | 0 | 4 |
| 7:58:55 | 0 | 1 |
| 8:00:35 | 6 | 1 |
| 8:02:22 | 2 | 5 |
| 8:04:13 | 1 | 3 |
| 8:06:04 | 1 | 4 |
| 8:07:53 | 5 | 2 |
| 8:09:44 | 3 | 3 |
| 8:11:34 | 3 | 5 |
| 8:13:25 | 5 | 2 |
| 8:15:15 | 2 | 2 |
| 8:17:05 | 0 | 2 |
| 8:18:55 | 1 | 7 |
| 8:20:45 | 0 | 6 |
| 8:22:35 | 3 | 3 |
| 8:24:23 | 2 | 3 |
| 8:26:13 | 9 | 5 |
| 8:28:05 | 1 | 5 |
| 8:29:55 | 4 | 0 |
| 8:31:45 | 8 | 1 |
| 8:33:35 | 5 | 2 |
| 8:35:23 | 5 | 6 |
| 8:37:14 | 2 | 3 |
| 8:39:03 | 4 | 4 |
| 8:40:55 | 2 | 1 |
| 8:42:44 | 2 | 2 |
| 8:44:33 | 4 | 1 |
| 8:46:23 | 1 | 7 |
| 8:48:13 | 8 | 3 |
| 8:50:04 | 5 | 2 |
| 8:51:55 | 2 | 2 |
| 8:53:45 | 5 | 1 |
| 8:55:33 | 2 | 5 |
| 8:57:23 | 1 | 4 |
| 8:59:13 | 2 | 0 |
| 95th\% |  |  |
| Queue | 8.75 | 7 |

Exhibit T-3b
Queue Observations and Calibration

| SBLeft | EXISTING |  |  |  |  | NO ACTION |  | PROPOSED ACTION |  | R-1 ZONING ALT. |  | ATTACHED HOUSING ALT. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Existing AM Peak Synchro 95th\% (feet) | Existing AM Peak <br> 95th \% Observed (vehicles) | Existing AM Peak 95th \% Observed (feet) ${ }^{1}$ | Calibration Factor | Calibrated Existing 95th\% Queue (feet) | Synchro 95th\% Queue | $\begin{gathered} \text { Calibrated } \\ \text { 95th\% Queue } \\ \text { (feet) } \end{gathered}$ | Synchro 95th\% Queue | $\begin{gathered} \text { Calibrated } \\ \text { 95th\% Queue } \\ \text { (feet) } \end{gathered}$ | Synchro 95th\% Queue | $\begin{gathered} \text { Calibrated } \\ \text { 95th\% Queue } \\ \text { (feet) } \\ \hline \end{gathered}$ | Synchro 95th\% Queue | $\begin{aligned} & \text { Calibrated } \\ & \text { 95th\% Queue } \\ & \text { (feet) } \end{aligned}$ |
|  | 101 | 8.75 | 175 | 1.73 | 175 | 108 | 187 | 122 | 211 | 112 | 194 | 118 | 204 |
| SB Right | 138 | 7 | 140 | 1.01 | 140 | 147 | 149 | 170 | 172 | 154 | 156 | 166 | 168 |

## Exhibit T-4

KING COUNTY

## RECOMIMENDED LINK TYPE CAPACITY VALUES


source: King County Department of Transportation, Tansportation System Planning Section, as reviewed and recommended by the KIS \&
Associates in 1995.


NOT TO SCALE


Exhibit T-5a
Roadway Shoulder Inventory (195th Street)

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NOT TO SCALE


Exhibit T-5b
Roadway Shoulder Inventory (198th Street)
Wood Trails \& Montevallo

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Exhibit T-5c
Roadway Shoulder Inventory (201 st Street)
Wood Trails \& Montevallo

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Exhibit T-5d
Roadway Shoulder Inventory (202nd Street)

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| EXHIBIT T-6: TECHNICAL MEMORANDUM |  |  |  |
| :--- | :--- | :--- | :--- |
| To: | File | Date: | February 15, 2005 |
| From: | Mike Swenson, P.E., P.T.O.E. <br> Brandon Moen, AICP | TG: | 04007.00 |
| Subject: | Wood Trails/Montevallo EIS: Sight Distance Conditions |  |  |

The purpose of this technical memorandum is to provide a summary of the stopping sight distance conditions of local residential roadways in the area of the proposed developments, particularly the roadways that could connect the Wood Trails site to $156^{\text {th }}$ Avenue NE, including:

- NE $202^{\text {nd }}$ Street
- NE $201^{\text {st }}$ Street
- NE $198^{\text {th }}$ Street
- NE $195^{\text {th }}$ Street

The estimated stopping sight distance along each roadway is discussed below.

## Sight Distance

Stopping sight distance along NE $202^{\text {nd }}$ Street, NE $201^{\text {st }}$ Street, NE $198^{\text {th }}$ Street, and NE $195^{\text {th }}$ Street was calculated using information obtained through field collection efforts. Existing roadway profiles were estimated using Global Positioning System (GPS) technology. All four roadways were traveled multiple times while collecting GPS data using a handheld GPS unit. This GPS unit has an accuracy within one to two meters depending on the positioning of the satellites and current coverage. The roadway profiles and subsequent sight distance calculations reflect only the vertical alignment of the roadway. If a horizontal curve exists (such as on the west end of NE $20{ }^{\text {st }}$ Street) that would influence the SSD, it is not reflected in these calculations. Observations in the field indicated both horizontal curves and vertical curves at the west end of NE $201^{\text {st }}$ Street.

The calculated sight distance measurements were then compared to City of Woodinville sight distance requirements, which are based on American Association of State Highways and Transportation Officials (AASHTO) standards. The design speed of the roadway used in the calculations was assumed to be the posted speed limit ( 25 mph ) plus eight mph , per City of Woodinville standards. Using these assumptions, City of Woodinville stopping sight distance standards are met at all locations along NE $201^{\text {st }}$ Street with the exception of the west end of the road, near the connection to the proposed development. Along NE $198^{\text {th }}$ Street only one location, extending 85 feet, is shown to be deficient in the estimated stopping sight distance. Along NE $195^{\text {th }}$ Street, one segment of 468 feet in length is shown to be deficient. Along NE $202^{\text {nd }}$ Street, two segments are shown to be deficient, each extending 357 feet and 389 feet
in length. A graphical representation of the most restricted stopping sight distance location along NE $198^{\text {th }}$ Street and NE $201{ }^{\text {st }}$ Street are shown in Figure C-5a, while Figure C-5b shows the same information for NE $195^{\text {th }}$ Street and NE $202^{\text {nd }}$ Street.

As noted, the roadway profiles generated for this analysis are not exact and were not surveyed. Thus, the precise location and extents of the sight distance restrictions are provided for general information only.

A review of historic accident records along each roadway over the past three complete years of which data is available (2001-2003), shows that two accidents were reported along these four roadways. However, neither accident appears to have been affected by sight distance limitations. One of the accidents involved a vehicle striking a pole, which likely wasn't affected by sight distance. The other accident occurred 150 feet west of the $156^{\text {th }}$ Avenue NE/NE $201^{\text {st }}$ Street intersection, which has not been identified as an area with a sight distance deficiency. Therefore, the accident records provided suggest that no accident history directly attributable to sight distance limitations exists along these four local roadways.




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Exhibit T-8
City of Woodinville Travel Demand Model


## EXHIBIT T-9: Development LOS Summary

| Weekday AM Peak Hour | 200 | No Action Conditions |  | 200 | with Proposed Action |  | 200 | with R-1 Zoning |  | 200 | with Attached Housing |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | LOS ${ }^{1}$ | Delay ${ }^{2}$ | WM or <br> $\mathrm{V} / \mathrm{C}^{3}$ | LOS | Delay | WM OR V/C | LOS | Delay | WM OR V/C | LOS | Delay | WM OR V/C |
| $156{ }^{\text {th }}$ Ave NE/NE $203{ }^{\text {rd }}$ Pl | B | 10.0 | WB App. | B | 10.2 | WB App. | B | 10.7 | EB App. | B | 10.2 | WB App. |
| $1566^{\text {th }}$ Ave NE/NE $202^{\text {nd }}$ St | B | 10.1 | EB App. | B | 10.3 | EB App. | B | 10.2 | EB App. | B | 10.3 | EB App. |
| $156{ }^{\text {th }}$ Ave NE/NE $201^{\text {st }}$ St | B | 10.5 | EB App. | B | 11.1 | EB App. | B | 10.6 | EB App. | B | 10.9 | EB App. |
| 156 $6^{\text {th }}$ Ave NE/NE $198{ }^{\text {th }}$ St | B | 11.7 | WB App. | B | 12.6 | WB App. | B | 11.9 | WB App. | B | 12.3 | WB App. |
| $156{ }^{\text {th }}$ Ave NE/NE $195^{\text {th }}$ St | B | 12.5 | WB App. | B | 13.1 | WB App. | B | 12.7 | WB App. | B | 13.1 | WB App. |
| $156^{\text {th }}$ Ave NE/NE Woodinville-Duvall Rd | C | 20.5 | 0.79 | C | 21.6 | 0.82 | C | 20.9 | 0.80 | C | 21.4 | 0.81 |
| NE Woodinville-Duvall Rd/NE Woodinville Wy | A | 6.9 | 0.45 | A | 7.0 | 0.46 | A | 6.9 | 0.45 | A | 6.9 | 0.46 |
| NE Woodinville-Snohomish Rd/NE 195 ${ }^{\text {th }}$ St | C | 29.8 | 0.91 | C | 30.0 | 0.91 | C | 29.8 | 0.91 | C | 30.0 | 0.91 |
|  | 200 | No Action Conditions |  | 200 | with Proposed Action |  |  | $\text { with } \mathrm{R}-1$ | Zoning | 200 | with Attached Housing |  |
| Weekday PM Peak Hour | LOS ${ }^{1}$ | Delay ${ }^{2}$ | WM or <br> V/C ${ }^{3}$ | LOS | Delay | $\begin{gathered} \text { WM OR } \\ \text { V/C } \end{gathered}$ | LOS | Delay | WM OR V/C | LOS | Delay | WM OR V/C |
| $156{ }^{\text {th }}$ Ave NE/NE $203{ }^{\text {rd }}$ Pl | B | 11.3 | WB App. | B | 11.7 | WB App. | B | 12.3 | EB App. | B | 11.5 | WB App. |
| $156{ }^{\text {th }}$ Ave NE/NE $202{ }^{\text {nd }}$ St | B | 11.0 | EB App. | B | 11.4 | EB App. | B | 11.3 | EB App. | B | 11.5 | EB App. |
| $156{ }^{\text {th }}$ Ave NE/NE $201{ }^{\text {st }}$ St | B | 11.3 | EB App. | B | 12.2 | EB App. | B | 11.5 | EB App. | B | 11.9 | EB App. |
| $156^{\text {th }}$ Ave NE/NE $198{ }^{\text {th }}$ St | C | 15.3 | WB App. | C | 17.9 | WB App. | C | 15.8 | WB App. | C | 16.9 | WB App. |
| $156{ }^{\text {th }}$ Ave NE/NE $195^{\text {th }}$ St | C | 15.3 | WB App. | C | 17.2 | WB App. | C | 15.9 | WB App. | C | 16.8 | WB App. |
| $240^{\text {th }}$ St. SE/ $/ 75^{\text {th }}$ Ave. SE | B | 12.2 | EB App. | B | 12.7 | EB App. | B | 12.3 | EB App. | B | 12.5 | EB App. |
| $156^{\text {th }}$ Ave NE/NE Woodinville-Duvall Rd | C | 26.3 | 0.93 | C | 32.7 | 0.97 | C | 27.5 | 0.94 | C | 30.7 | 0.94 |
| NE Woodinville-Duvall Rd/NE Woodinville Wy | C | 28.8 | 0.83 | C | 30.3 | 0.85 | C | 29.2 | 0.83 | C | 29.9 | 0.85 |
| NE Woodinville-Snohomish Rd/NE 195 ${ }^{\text {th }}$ St | C | 30.0 | 0.81 | C | 30.7 | 0.82 | C | 30.2 | 0.81 | C | 30.6 | 0.82 |
| $240^{\text {th }}$ St. SE/SR-9 | B | 11.5 | 0.51 | B | 12.0 | 0.52 | B | 11.6 | 0.52 | B | 11.8 | 0.52 |

1. Level of Service.
. Average vehicle delay (seconds)
2. Worst movement reported at unsignalized intersections; volume to capacity ratio at signalized intersections

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Equation 17-3 is also used for major-street leftturn movements

Potential capacity defined

$$
\begin{equation*}
c_{p, x}=v_{c, x} \frac{e^{-v_{c, x} t_{c, x} / 3600}}{1-e^{-v_{c, x} t_{x}, x} / 3600} \tag{17-3}
\end{equation*}
$$

where
$c_{p, x}=$ potential capacity of minor movement $x(\mathrm{veh} / \mathrm{h})$,
$v_{c, x}=$ conflicting flow rate for movement $x(v e h / h)$,
$t_{c, x}=$ critical gap (i.e., the minimum time that allows intersection entry for one minor-stream vehicle) for minor movement $x$ ( $s$ ), and
$t_{f, x}=$ follow-up time (i.e., the time between the departure of one vehicle from the minor street and the departure of the next under a continuous queue condition) for minor movement $x(s)$.

The potential capacity of a movement is denoted as $c_{p, x}$ (for movement $x$ ) and is defined as the capacity for a specific movement, assuming the following base conditions:

- Traffic from nearby intersections does not back up into the subject intersection.
- A separate lane is provided for the exclusive use of each minor-street movement.
- An upstream signal does not affect the arrival pattern of the major-street traffic.
- No other movements of Rank 2, 3, or 4 impede the subject movement.


## MOVEMENT CAPACITY

The potential capacity, $c_{p, x}$, of minor-street movements is given in Exhibit 17-6 for a two-lane major street and in Exhibit 17-7 for a four-lane major street. These figures show the application of Equation 17-3 with the values presented in Exhibit 17-5. The potential capacity is expressed as vehicles per hour (veh/h). The exhibits indicate that the potential capacity is a function of the conflicting flow rate $v_{c, x}$ expressed as an hourly rate, as well as the minor-street movement.

EXHIBIT 17-6. POTENTIAL CAPACITY FOR TWO-LANE STREETS


2008 Future Peak Hr. With Proposed Action at $156^{4 h} / 198^{\text {th }}$ for Northbound Lett Turn

