# **MEMORANDUM OF UNDERSTANDING**

THIS MEMORANDUM OF UNDERSTANDING (this "MOU") is made and entered into this \_\_\_\_\_ day of December, 2015 ("Effective Date"), by and between the Town of Hudson, a Colorado municipal corporation (the "Town"), whose address is 557 Ash, Hudson, Colorado, 80642-0351, and Kerr-McGee Oil & Gas Onshore LP, a Delaware limited partnership ("KMG"), whose address is 1099 18<sup>th</sup> Street, Suite 1800, Denver, Colorado 80202. KMG and the Town may be referred to individually as a "Party" or collectively as the "Parties."

## **BACKGROUND and RECITALS:**

- A. As of the Effective Date, KMG possesses certain oil and gas leasehold and mineral interests both within and outside the legal corporate limits of the Town (the "Town Limits"). KMG currently operates oil and gas wells within and outside the Town Limits ("Existing Wells") and has the right, subject to applicable laws, to develop its current and future oil and gas leasehold and mineral interests by drilling additional wells both within and outside the Town Limits.
- B. KMG may from time to time apply to drill and operate other new wells at locations depicted on <u>Appendix A</u> attached hereto and incorporated herein that either (1) require access via roads owned by the Town located within the Town Limits ("Town Roads"), but are located outside of the Town Limits (the "Non-Town Wells"), or (2) are located within Town Limits (the "Town Wells," and collectively with the Non-Town Wells, "Wells").
- C. The Wells include those certain horizontal wells approved by the Town pursuant to a use by special review permit issued on October 21, 2015, and more particularly described and depicted therein (the "CC Open Wells").
- D. In connection with its operations of the Wells, KMG intends to use the Town Roads for access, which use may result in certain impacts to such Town Roads above and beyond normal wear and tear.
- E. In order to identify such impacts to Town Roads resulting from KMG's operation of the Wells, KMG has commissioned the following traffic management studies relating to KMG's operation of the Wells, which studies may include descriptions of the amount, nature and timing of expected traffic and plans to mitigate congestion:
  - (1) a road impact study performed by Arcadis at the expense of KMG, which consists of an assessment of the current condition of the Town Roads and analysis of KMG's proportionate share impact to Town Roads in connection with KMG's operation of the Wells (the "Arcadis Study"); and
  - (2) a traffic study of the impacts of KMG's operation of the Wells on the intersection of HWY 52 and the I-76 Frontage Road Felsburg Holt & Ullevig (the "FHU Study," and collectively with the Arcadis Study, the "Road Impact Studies").

- F. Based on the Road Impact Studies, KMG has developed certain best management practices for KMG's operation of the Wells that may also reduce the potential impacts to the Town Roads.
- G. The Town and KMG have, on or about even with the Effective Date, entered into that certain Contribution Agreement, which sets forth KMG's proportionate share obligation for costs associated with repairs to the Town Roads made necessary as a result of potential damage caused by KMG's temporary high impact traffic associated with construction, drilling and completions activities.
- H. The Town and KMG have agreed to enter into this MOU in order to memorialize the Parties' agreement concerning KMG's use of the Town Roads in connection with the operation of the Wells and the implementation of certain best management practices.

#### AGREEMENT:

NOW THEREFORE, in consideration of the mutual covenants set forth in this MOU, the receipt and sufficiency is hereby acknowledged, the Parties agree as follows:

- 1. <u>Intent to Supplement COGCC Rules and Regulations</u>. The Parties recognize that pursuant to the Colorado Oil and Gas Conservation Act, Colo. Rev. Stat. §34-60-101 et seq. (the "Act"), the COGCC regulates the development and production of oil and gas resources in Colorado, and the Act authorizes the COGCC to adopt statewide rules and regulations, which the COGCC has done. The BMPs identified in this MOU are intended to supplement and are in addition to COGCC rules and regulations with respect to KMG's operation of the Wells. Notwithstanding the foregoing, in the event of an express conflict between this MOU and any COGCC rules, such COGCC rules will control.
- 2. <u>Applicability</u>. This MOU shall apply only to the Wells. Without limiting the generality of the foregoing, this MOU shall not apply to any wells or operations: (i) not within the Town Limits, so long as KMG's operations of such wells do not require use of the Town Roads; (ii) any wells for which KMG is not the primary operator, regardless of whether KMG may have an interest in the same; or (iii) that are Existing Wells drilled by KMG prior to the Effective Date. If, after the Effective Date, the Town annexes into the Town Limits lands on which KMG has then-existing operations, then this MOU shall also apply to any new Wells KMG drills on such annexed lands after annexation is completed.
- 3. <u>Road Impact Studies</u>. KMG will provide to the Town final versions of the Road Impact and Traffic Studies, and agrees to conduct its operations in compliance with such Studies, and implement the commercially reasonable recommendations in such Studies.
- 4. <u>Maintenance and Repairs</u>. The Contribution Agreement executed herewith shall cover repair and damage to the Town Roads. To the extent KMG's operations were to damage traffic control devices, water and sewer facilities, or other facilities owned by the Town within such Town Roads, then, at the mutual agreement of the parties, KMG will either repair, or be responsible for payment of the actual costs of repair, other than ordinary wear, directly caused by KMG in connection with KMG's operation of the Wells As necessary, the Town will not withhold, condition, or delay any permits that may be necessary for such repair that the parties

choose for KMG to undertake. Except for repairs of damage to facilities referenced herein actually caused by KMG in connection with the operation of the Wells, any damage or excessive wear to the Town Roads shall not be the responsibility of KMG to remedy and the cost shall not be borne by KMG.

5. <u>Municipal Code Ordinance Concerning Overweight Trucks</u>. KMG will cause its contractors to obtain in advance of operations any necessary overweight vehicle permits in connection with the Wells, as required by the Hudson Municipal Code. The Parties agree that KMG has the rights to utilize the Town Roads in connection with the construction, drilling, producing and completions activities.

# 6. Best Management Practices.

- (a) <u>Road BMPs</u>. KMG shall comply with the best management practices set forth in <u>Appendix B</u> attached hereto and incorporated herein ("Road BMPs") in connection with its use of any Town Roads for its operation of the Wells.
- (b) <u>Town BMPs</u>. In addition to any applicable Road BMPs, KMG shall comply with the best management practices set forth in <u>Appendix C</u> attached hereto and incorporated herein ("Town BMPs," and collectively with the Road BMPs, the "BMPs") in connection with its operation of the Town Wells.
- 7. Term. This MOU is effective upon the Effective Date and shall remain in effect until the earlier to occur of (a) three (3) years from the Effective Date, or (b) the date upon which (i) the COGCC implements any rules, regulations, ordinances or best management practice guidelines regarding oil and gas development specifically in the Town Limits or in an area that includes the Town Limits, which provide for higher standards than the BMPs or (ii) the Town and the COGCC enter into any agreements binding on KMG regarding oil and gas development specifically in the Town Limits or in an area that includes the Town Limits (as applicable, the "Term"). Upon expiration of the Term, this MOU shall automatically terminate and be of no further force and effect without the need for any further action by the Parties. In the event of either (b)(i) or (b)(ii) above, those portions of this MOU not directly affected by such COGCC actions or agreements shall remain in effect, and the terms of Sections 3 and 5 of this MOU shall not terminate and shall continue to apply and remain in effect even if directly affected by such COGCC actions or agreements.
- 8. No Waiver of Rights. Nothing herein shall be interpreted as a waiver by KMG of any rights it has pursuant to its current and future oil and gas interests to explore for, drill and produce the oil and gas underlying or outside the Town Limits. Without limiting the generality of the foregoing and notwithstanding any other provision herein, even in the event of termination of this MOU, KMG shall retain all rights and benefits it has under approved Town issued permits, the Contribution Agreement and/or COGCC approved permits and such permits shall remain in full force and effect. Except as set forth in this MOU, the Town does not waive the rights it has pursuant to the laws of the State of Colorado or the Town Municipal Code.

- 9. <u>Force Majeure</u>. Neither Party will be liable for any delay or failure in performing under this MOU in the event and to the extent that the delay or failure arises out of causes beyond a Party's reasonable control, including, without limitation, war, civil commotion, act of God, strike or other stoppage (whether partial or total) of labor, or any law, decree, regulation or order of any government or governmental body (including any court or tribunal) other than the Town.
- 10. <u>Authority to Execute MOU</u>. Each Party represents that it has the full right and authority to enter into this MOU.
- 11. <u>Governing Law</u>. This MOU shall be governed and construed in accordance with the laws of the State of Colorado without reference to its conflicts of laws provisions.
- 12. <u>No Third Party Beneficiaries</u>. Except for the rights of enforcement by the COGCC with respect to the BMPs, if any, this MOU is not intended to, and does not, create any right, benefit, responsibility or obligation that may be enforced by any non-party. Additionally, nothing in this MOU shall entitle any third party to any claims, rights or remedies of any kind.
- 13. <u>Notices</u>. All notices and other correspondence related to this MOU shall be in writing and shall be delivered by: (i) certified mail with return receipt, (ii) hand delivery with signature or delivery receipt provided by a third party courier service (such as FedEx, UPS, etc.), (iii) fax transmission if verification of receipt is obtained, or (iv) email with return receipt, to the designated representative of the Party as indicated below. A Party may change its designated representative for notice purposes at any time by written notice to the other Party. The initial representatives of the Parties are as follows:

Town:

Town of Hudson

557 Ash St.

Hudson, Colorado 80642-0351 Attn: Town Administrator Telephone: 303-536-9311

Fax: 303-536-4753

Email: manager@hudsoncolorado.org

With copy to: Hoffmann, Parker, Wilson & Carberry, P.C.

511 16<sup>th</sup> Street, Suite 610

Denver, CO 80202

Attn: Corey Y. Hoffmann, Town Attorney

Fax: 303-825-1269

Email: cyhoffmann@hpwclaw.com

KMG:

Kerr-McGee Oil & Gas Onshore LP

1099 18<sup>th</sup> Street, Suite 1800

Denver, CO 80202

Attn: Rockies Regulatory - Municipal Planning

IN WITNESS WHEREOF, the Parties have caused this MOU to be executed by a duly authorized representative on the day and year first above written.

# **TOWN:**

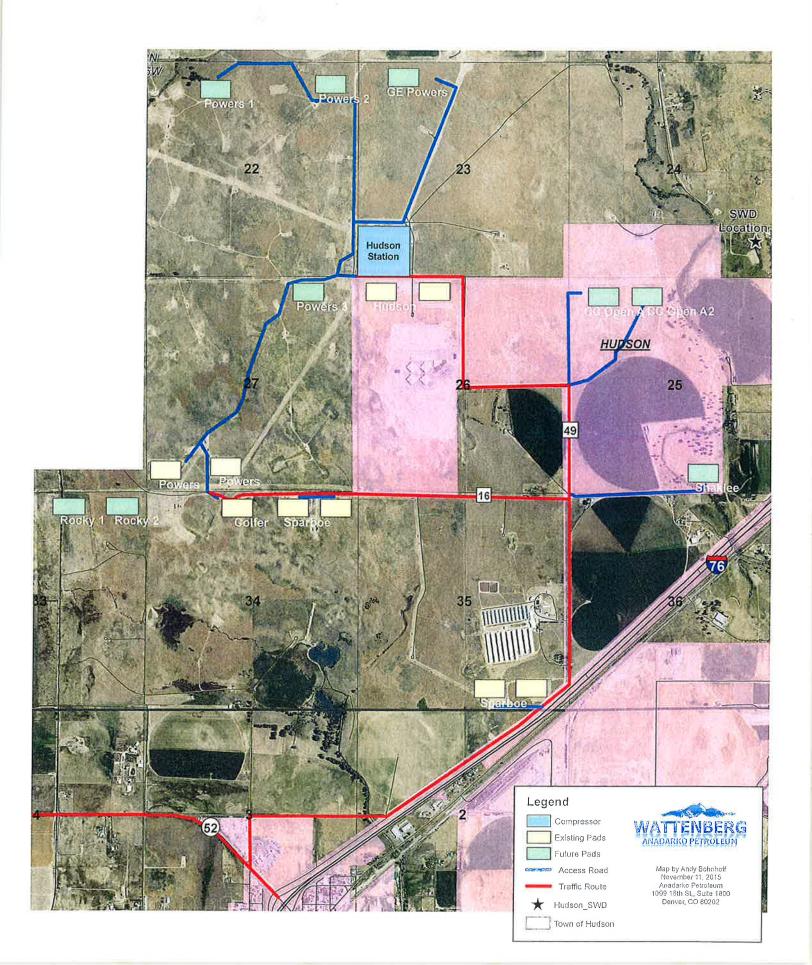
The Town of Hudson a Colorado municipal corporation

Name: RAYMONID T

# KMG:

Kerr-McGee Oil & Gas Onshore LP, a Delaware limited partnership

Name: Michael A. Nixson
Title: Director, Land



# APPENDIX B

#### Road BMPs

Following the Effective Date, KMG shall include the best management practices listed below on all Form 2s, Application for Permit to Drill, and Form 2As, Oil and Gas Location Assessment submitted to the COGCC for any Wells.

- 1. KMG will deliver the Road Impact Study to the Town prior to commencing any operations in connection with the Wells. The Town will have no obligation to issue any Notice to Proceed for the CC Open Wells prior to its receipt of the Road Impact Study.
- 2. KMG will commence good faith negotiations with the Town for an impact or contribution agreement based on the analysis presented in the Arcadis Study.
- 3. KMG will take reasonable steps to protect water and wastewater valve boxes and manholes and traffic control devices located along any of the Town Roads. KMG will promptly notify the Town of damages to any such Town facilities.
- 4. KMG and its subcontractors shall comply with the site specific traffic management plan incorporated into the FHU Study (the "Traffic Plan"), which may address the following with respect to the operations of the Wells: (1) expected traffic route and timing of such traffic on the Town Roads, (2) how traffic at the intersection HWY52 and I76 Frontage road will be managed and mitigated, and (3) what truck traffic restrictions will be put in place, if any. KMG and the Town will to the extent permitted by law amend this MOU to include the Traffic Plan as Appendix D, and the Town and KMG will cooperate to amend the Traffic Plan, as necessary, from time to time. Nothing herein shall prevent KMG from using traffic route (s) not identified in the Traffic Plan in the event of emergency or other need due to any other lack of access. KMG will act in good faith and communicate when feasible any change in access to the Town, to the extent such revised access includes Town Roads.
- 5. KMG will provide the Town an emergency response plan prior to commencing operations of the Wells.
- 7. Operator will promptly clean mud and other debris on Town Roads that may be caused by vehicles entering or leaving the Wells during construction, completion and operation of the Wells. Operator will grade and treat gravel Town Roads used to access the Wells, as depicted on the Traffic Plan, with mag chloride to reduce dust.

# **APPENDIX C**

#### **Town BMPs**

- 1. **Communication** KMG will, from time to time, provide the Town information regarding the timing and nature of major activities during construction, drilling and completion activities of Town Wells. KMG will meet periodically with the Town to discuss current and future operations.
- 2. **Information** KMG shall provide Notice of Intent to Conduct Operations to the Town's Local Government Designee for all locations within a ½ mile of the Town Limits at least 30 days prior to submittal of the COGCC 2A Location Permit for any Town Wells.
- 3. **Fencing** Operator shall install, following obtaining any required consent from the owner of the surface estate for any Town Wells, fencing or other sufficient barriers to protect Town Wells and related facilities. Such fencing shall comply with COGCC and Town regulations.

# APPENDIX D



connecting and enhancing communities

November 18, 2015

# **MEMORANDUM**

TO:

Ms. Patty Varra

Municipal Planning Analyst

Anadarko Petroleum

FROM:

Lyle DeVries, P.E., PTOE

Tyler Spurlock, E.I.

SUBJECT:

Traffic Analysis of Well Site Pads Accessed from SH 52 in Hudson, Colorado

FHU Reference No. 115-241-01

This memorandum summarizes the traffic impacts created by the nine proposed well site pads in the vicinity of Hudson, Colorado that Anadarko and subsidiary companies will be drilling over the next 15 months. These pads will be located north of State Highway (SH) 52 and west of I-76 (see **Figure 1**). All of the nine pads will have access from the newly relocated intersection of the West I-76 Frontage Road (W I-76 FR) and SH 52 and all traffic analyses are focused solely on this intersection. A summary of pad information is provided in **Table 1**, shown below.

Table 1. - Pad Information Summary

Site/Pad	Section	No. of Wells	Construction Start	Production Start
GE Powers	23	7	Late August 2015	Mid-April 2016
Powers 1	22	7	Mid-September 2015	Mid-May 2016
Powers 2	22	7	Late September 2015	Mid-May 2016
Powers 3	27	7	Late September 2015	Mid-May 2016
Shaklee	25	11	Early January 2016	Mid-November 201
CC Open 1	25	3	Early February 2016	Mid-June 2016
CC Open 2	25	4	Early February 2016	Mid-June 2016
Rockies 1	33	2	Early June 2016	Early September 2016
Rockies 2	33	5	Early June 2016	Mid-November 201

In the spring of 2014, the W I-76 FR intersection with SH 52 was relocated from its former location adjacent to the I-76 interchange at Hudson (Exit 31). This relocation accomplished several goals: it provides separation from the I-76 ramp intersections, the W I-76 FR now intersects SH 52 at a right angle, and it consolidates full-movement access for Love's Truck Stop and future development north of SH 52 at one location. Currently, there are no auxiliary lanes on SH 52 at this new intersection, though the Colorado Department of Transportation (CDOT) and the Town of Hudson have considered adding left and right auxiliary turn lanes at this location.

This analysis summarizes the existing traffic volumes on SH 52 at the W I-76 FR intersection. It also provides traffic forecasts for the construction and production phases of the well site pads and analyzes traffic operations at the W I-76 FR intersection with SH 52. Future traffic volumes incorporate background traffic growth, which includes traffic volumes from 87 room motel and 5,500 square foot, high turnover sit-down restaurant that are anticipated to be operational during the time frame of the future analyses.

# **Existing Traffic Volumes**

Three separate traffic and vehicle classification counts were conducted in the vicinity of the study intersection:

- Six-hour turning movement counts at the SH 52 / W I-76 FR intersection (2 hours during the AM, noon, and PM peak periods),
- 24-hour classification counts on SH 52 east and west of the study intersection, and
- A 48-hour classification count on the W I-76 FR northeast of the Love's Truck Stop adjacent to SH 52.

This count data were compiled and are illustrated on **Figure 2 – Existing Conditions**. The traffic count information from the field is provided in **Appendix A**. It should be noted that the traffic volumes on W I-76 FR include trips to and from a number of existing oil and gas facilities north of SH 52 that are currently producing petroleum products.

From the Colorado Department of Transportation's (CDOT) OTIS database, it was found that SH 52 carries an average annual daily traffic (AADT) volume of approximately 8,100 vehicles per day (vpd) west of I-76 with 19 percent trucks. The posted speed limit on SH 52 is 45 mph. According to the State Highway Access Category Assignment Schedule (September 13, 2013), the segment of SH 52 immediately west of I-76 is categorized as a Non-Rural Arterial (NR-A) roadway.

# Trip Generation

Trip generation for the nine well site pads was determined based on construction and operation information provided by the developer, Anadarko Petroleum. The development process for each well site pad includes six separate phases, which are summarized as follows:

- 1. Pipeline construction (approximately 30 days)
- 2. Site construction/preparation (approximately 20 days)
- 3. Drilling (sequential drilling approximately 5 days per well)
- 4. Completion phase, including preparation (approximately 6 to 11 days per well)
- 5. Production facility construction (approximately 14 to 21 days per pad)
- 6. Production (ongoing)

Since the number of well sites for each pad generally differs (between 2 and 11 wells), separate trip generation worksheets corresponding to a range of well quantities were prepared and can be

found in **Appendix B**. These worksheets summarize weekday daily and AM, noon, and PM peak hour trip generation for the six phases. The key elements in forecasting the traffic volumes that will be using the intersection of SH 52 and the W I-76 FR are the duration of the total well construction process (which is dependent on the number of wells being drilled) and the phase of the process each well site pad is undergoing at any particular time. **Figure 3** was prepared to illustrate the anticipated month-by-month status of each well pad site and the phase that is underway. The combined total traffic volumes were determined on a daily basis, since this total is very dependent on each site's particular phase and its duration. **Figure 3** also includes a bar graph with the highest daily traffic volumes that could be encountered during each month through the end of 2016. The duration of the maximum traffic volumes during the highest months (above 1,000 vehicles per day) and the minimums during these months are also shown on the bar graph. This gives a perspective of the durations of the high traffic volume periods. During the entire development timeline of the sites, daily traffic volumes average approximately 770 trips per day.

Based on this analysis, November 2015 was determined to have the highest trip generation potential and was selected for detailed analyses. This period represents a worst case scenario for trip generation involving this project. As will be seen, the improvement recommendations resulting from this analysis are not wholly dependent on this peak.

Once construction of the pads is complete and they are fully in production, the number of trips in and out of the pads would decline significantly. This is due to the well site pads having pipelines to deliver the petroleum products from the operations. This reduces the expected operational traffic levels significantly.

#### **Traffic Forecasts**

Based on conversations with Anadarko Petroleum, almost all of the site traffic (95%) will access the site from the west, utilizing SH 52. Workers and truck drivers will be instructed to use this route to the greatest extent possible. This route to and from the west will minimize traffic impacts to the SH 52 / I-76 interchange and downtown area of Hudson. The results of the trip generation and distribution analyses are illustrated on **Figure 4** and summarized below in **Table 2**.

Table 2. – Trip Generation Summary

Development	Daily	A	M	N	oon	F	PM
Phase	Traffic Volumes	IN	OUT	IN	OUT	IN	OUT
Construction (Maximum Traffic Impact)	4560	126	63	98	91	63	126
Production	44	8	0	0	8	0	8

This figure includes the peak level of construction activity as well as the long-term level of traffic when all pads are in production. **Figure 4** shows daily volumes as well as turning movements resulting from AM, noon, and PM inbound and outbound volumes, including both vehicles and passenger car equivalents (which reflect the influence of large trucks). By adding these volumes to existing traffic at the study intersection and including background traffic growth, the peak short

term total traffic volumes were calculated, as shown on **Figure 5**. For the long-term production phase of all pads that will essentially begin in early 2017, current background traffic volumes were increased by the growth factor (3.5 percent per year) that CDOT forecasts for SH 52. At the request of Town Staff, all future traffic analysis scenarios incorporated vehicle trips to be generated by a motel and restaurant currently being developed in the vicinity of the SH 52/ W I-76 FR intersection. Vehicle trip estimates were developed using information from the *Trip Generation Manual* (Institute of Transportation Engineers, 9<sup>th</sup> Edition, 2012). These estimated trips were assigned to the surrounding roadway network based on guidance from Town Staff.

The site generated traffic that is shown on **Figure 4** was added to forecasted Year 2017 background traffic, resulting in the production phase volumes shown on **Figure 6**.

# **Analyses of Traffic Operations**

Current and future traffic operations at the study intersection driveway were evaluated according to techniques documented in the Highway Capacity Manual, (Transportation Research Board, 2010) (HCM-2010). Level of service (LOS) is a qualitative measure of traffic operational conditions, based on roadway capacity and vehicle delay. Levels of service are described by a letter designation ranging from LOS A to LOS F; with LOS A representing the best possible conditions and LOS F representing congested conditions. For unsignalized intersections, levels of service are calculated for movements which must yield right-of-way to other traffic movements. Large vehicle percentage factors were included in the LOS analysis.

**Figures 3**, **5**, and **6** provide the existing and short range future levels of service at the intersection of SH 52 and W I-76 FR. Since this intersection is stop sign controlled, the movements that must yield to oncoming traffic currently operate at LOS C or better for AM, noon and PM peak hours (**Figure 3**). During the construction phase (**Figure 5**), this intersection is anticipated to operate at LOS D or better during the peak hours of the anticipated peak day with the exception of the southbound left-turning movement from W I-76 FR onto SH 52 during the AM peak hour. This movement would experience the most delay (LOS E) because it must yield to all oncoming traffic. The projected delay is expected to be an average of 36.5 seconds per vehicle which is only 1.5 seconds higher than the threshold between LOS D and E. There is not expected to be significant queuing for this movement (less than 100' during the peak hour). Later during the production phase (**Figure 6**), level of service for these left-turning vehicles would improve to LOS C, mainly because well development traffic will dramatically reduce after construction is completed.

# **Auxiliary Lanes**

The Colorado State Highway Access Code (SHAC) provides guidelines for determining auxiliary lane needs at the intersection of SH 52 and W I-76 FR. The SHAC requires that large vehicles, such as the trucks used in the construction phase of the proposed site, be converted to Passenger Car Equivalents (PCE) at a rate of 3:1. For intersections along a state highway that has an NR-A classification whose speed limit exceeds 40 mph, the following criteria apply:

- Westbound Right Turn Deceleration Lane: more than 25 vehicles (PCEs) per hour turn lane length is based on deceleration distance
- Eastbound Left Turn Deceleration Lane: more than 10 vehicles (PCEs) per hour turn lane length is based on deceleration plus storage distances
- Southbound to Westbound Right Turn Acceleration Lane: more than 50 vehicles (PCEs) per hour turn lane length is based on acceleration distance

A comparison of the SHAC auxiliary lane criteria and the current turning movement volumes at the study intersection (see **Figure 3**) reveals that the westbound right turn deceleration lane criterion is exceeded during all three time periods that were analyzed. Since very little pad-related traffic utilizes this movement and much of the traffic is related to other development in the area, the requirement of an auxiliary turn lane is not the result of well development traffic at this intersection. The considerations for the westbound right turn deceleration lane are the result of traffic from other development in the project area.

The thresholds for an eastbound left turn deceleration lane and a southbound to westbound right turn acceleration lane are currently met based on all three peak hours (AM, noon, and PM). The threshold for a westbound right turn deceleration lane is currently met based on AM peak hour volumes only. Comparing the construction phase (**Figure 5**) and production phase (**Figure 6**) traffic volumes with the SHAC criteria reveals similar results. The volume criteria for both an eastbound left turn deceleration lane and westbound acceleration lane for right-turning vehicles are exceeded by a significant amount during the construction phase and exceeded to a lesser extent during the production phase.

Because existing and projected future traffic volumes (comprised of both site and background traffic) exceed SHAC criteria, it is recommended that the eastbound deceleration and westbound acceleration lanes be provided at the SH 52/W I-76 FR intersection. Considerations for the westbound right turn deceleration lane should also be made at this intersection, understanding that the need for the right turn lane is not triggered by oil and gas development. These lanes would need to be constructed to the following dimensions:

- Eastbound left turn deceleration lane (taper is included).
  - o 435 feet of deceleration length.
  - o 250 feet of storage length.
- Westbound acceleration lane (taper is included).
  - 550 feet of acceleration length.
- Westbound deceleration lane (taper is included).
  - 435 feet of deceleration length.

While the ultimate need for these lanes is evident based on SHAC criteria, it is our understanding that construction of these lanes in the near term future would cause a disruption in site development and ongoing production activity. In addition, the intensity of construction traffic is expected to be short-lived and operational analyses reveal no excessive delay (approximately 36.5 seconds/vehicle during peak hours) or queuing (100' or less during peak hours).

Therefore, it is recommended that alternative methods of easing the construction traffic impact on the intersection be explored in lieu of constructing the turn lanes in the near term future. A summary of potential short term mitigation measures is provided as follows for consideration:

Travel Demand Management (TDM) Strategies: TDM strategies can be used to soften the intensity of site traffic during peak times by introducing time-of-day restrictions. Restricting the travel times of site generated traffic outside of peak hours (7:00 AM – 9:00 AM, 11:00 AM – 1:00 PM and 4:00 PM – 6:00 PM) as possible would reduce the traffic impact on the intersection of SH 52 and W I-76 FR.

• Temporary use of Weld County Road (WCR) 12 ½: The well sites could potentially be accessed via a WCR 12 ½ connection to SH 52, if some improvements can be made to this roadway. WCR 12 ½ is currently closed to traffic. Use of WCR 12 ½ could result in the reduced traffic volumes on W I-76 FR and reduce the overall impact to its intersection SH 52.

# Signal Warrant Analysis

Peak construction phase volumes at the study intersection were analyzed to determine if a traffic signal is warranted. The Manual of Uniform Traffic Control Devices (MUTCD), 2009 contains nine warrants under which a signal at an intersection can be justified. Three of these warrants are directly related to traffic volumes using an intersection. The four-hour warrant was analyzed to determine if a signal might be warranted during the peak construction volume phase of this project. This warrant was chosen since almost all of the pad-generated traffic occurs during the AM and PM peak hours. **Figure 7** shows that only one of the peak hours meet the combined traffic volume requirements for the major and minor approaches. After the construction phase is concluded, projected traffic volumes are reduced and the intersection no longer approaches warrant criteria. Warrants will likely not be met until traffic volumes increase by approximately 20 to 30 percent. It should be noted that the southbound right-turning traffic volumes from the W I-76 FR are excluded from the analysis since there is no conflict with SH 52 traffic if an acceleration lane is constructed.

# **Summary and Recommendations**

The nine well site pads will be under construction for approximately 15 months. Each pad will involve six phases of construction (followed by the production phase) and total volumes accessing SH 52 will be highly variable as each site moves through the process on its own individual schedule. During the construction phase, it was determined that November 2015 will experience the highest levels of peak hour trip generation. At this time, the intersection of SH 52 and the West I-76 Frontage Road could experience levels of service at LOS E for one movement if no improvements are made to the intersection. The delay experienced by this movement (southbound left turn) is 36.5 seconds, 1.5 seconds greater than the LOS D/E threshold. A queuing analysis reveals that there are no issues with queuing at the intersection. Based on the temporary nature of the well development traffic, these delays are not expected to be substantially detrimental to intersection operations.

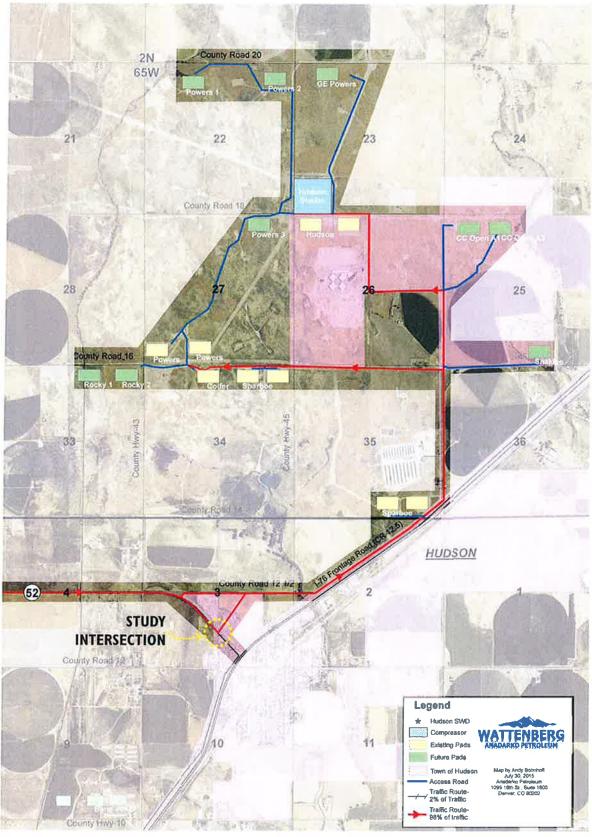
SH 52 is under the jurisdiction of the Colorado Department of Transportation and the guidelines of the State Highway Access Code show that volume criteria for an eastbound left turn deceleration lane and a westbound right turn acceleration lane are currently met and would continue to be met during the construction and production phases of the project. The criterion for a westbound right turn deceleration lane is also met, largely due to the traffic volumes from the nearby development of a motel and restaurant, and is not a result of well development traffic

Because existing and projected future traffic volumes (comprised of both site and background traffic) exceed SHAC criteria, it is recommended that the eastbound deceleration and westbound acceleration lanes be provided at the SH 52/W I-76 FR intersection. While the ultimate need for these lanes is evident based on SHAC criteria, it is our understanding that construction of these lanes in the near term future would cause a disruption in site development and ongoing production activity. In addition, the intensity of construction traffic is expected to be short-lived and operational analyses reveal no excessive delay or queuing (LOS D/E or better for movements during all time periods during construction).

It is recommended that alternative methods of easing the construction traffic impact on the intersection be explored in lieu of constructing the turn lanes in the near term future. Potential short term mitigation measures include Travel Demand Management strategies and/or temporary use of WCR 12 ½.

In summary, it is recommended that turn lanes be installed after peak well construction activities are substantially complete, and traffic mitigation measures be considered for near term implementation. This letter provides some mitigation measures for consideration, and other ideas may come to light upon further discussion with Town of Hudson and CDOT Staff.

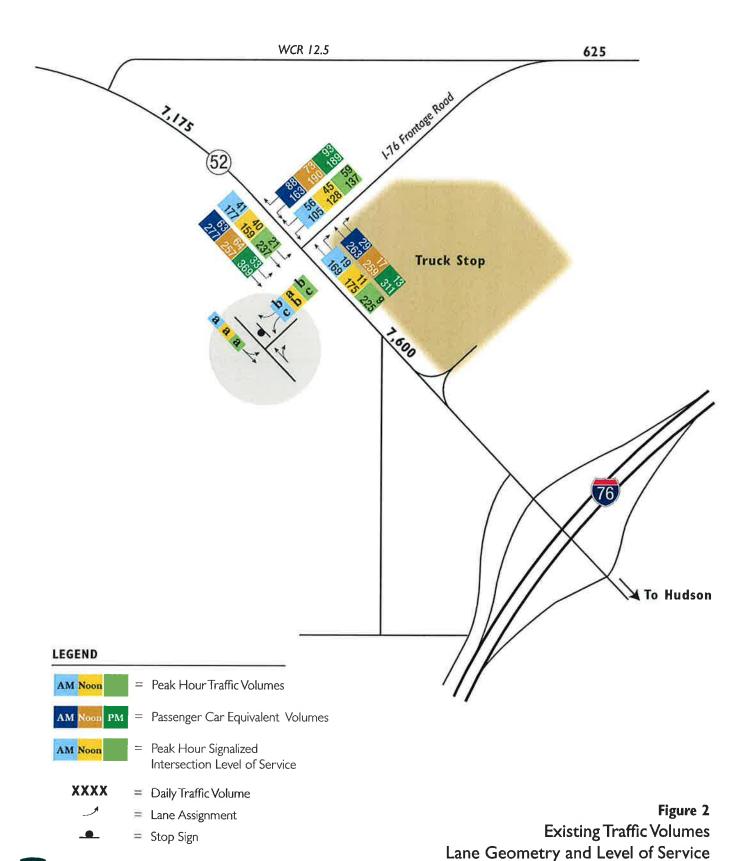
Attachment – Figures 1 – 7



**Figure 1** Vicinity Map

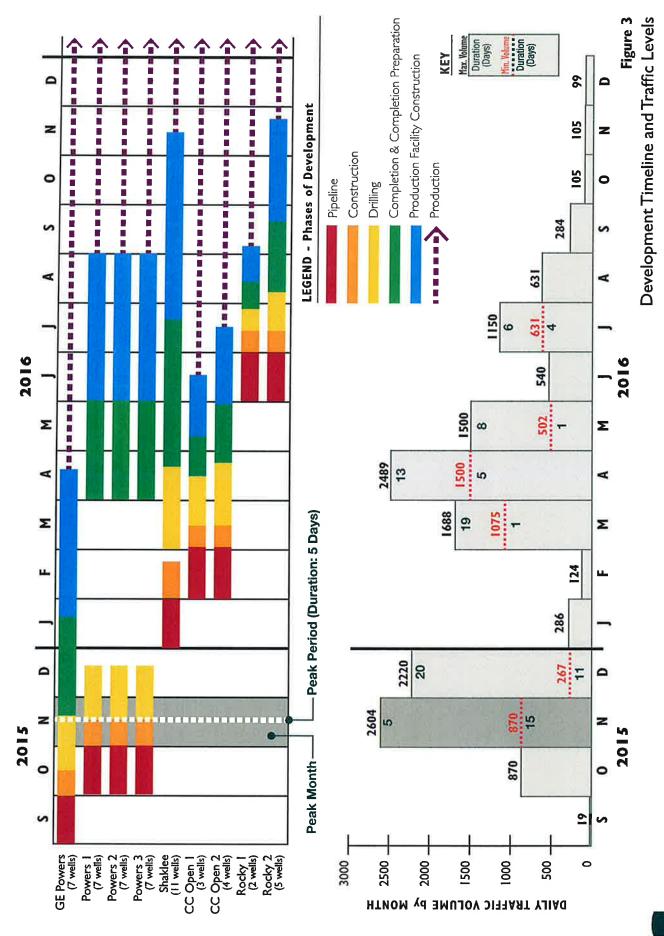






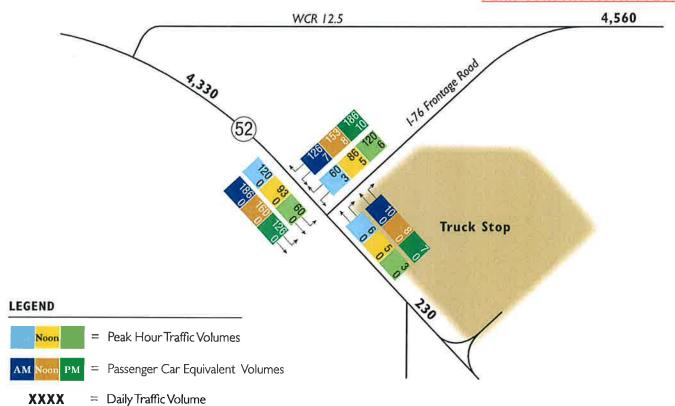




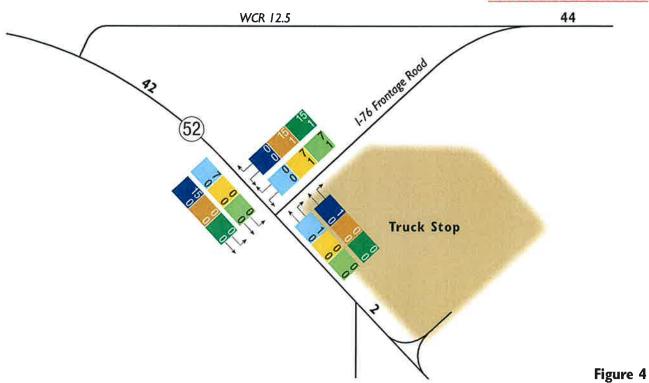




# **PEAK CONSTRUCTION VOLUMES**



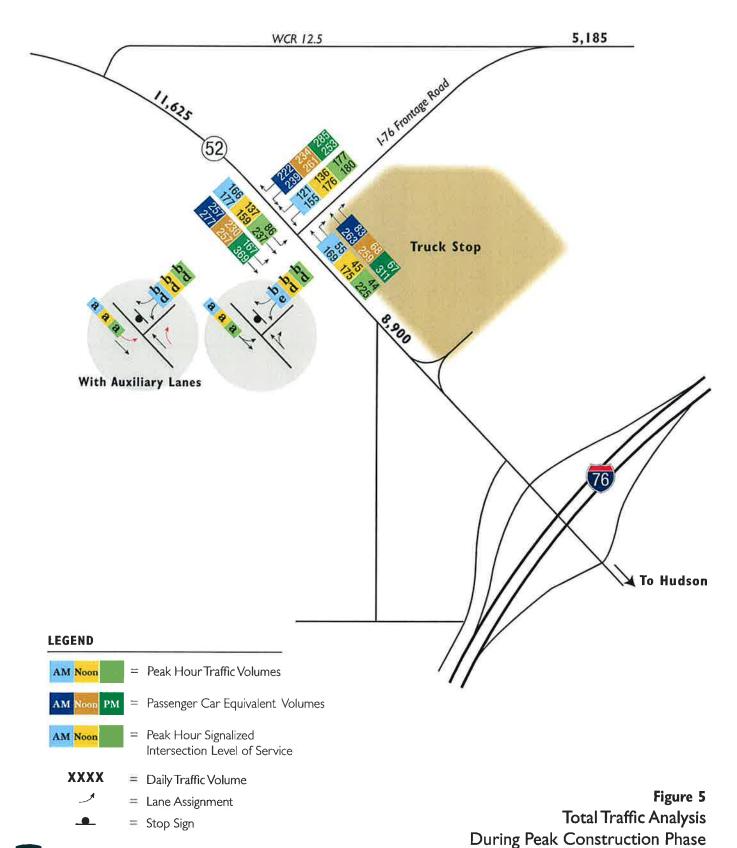
# **PRODUCTION VOLUMES**





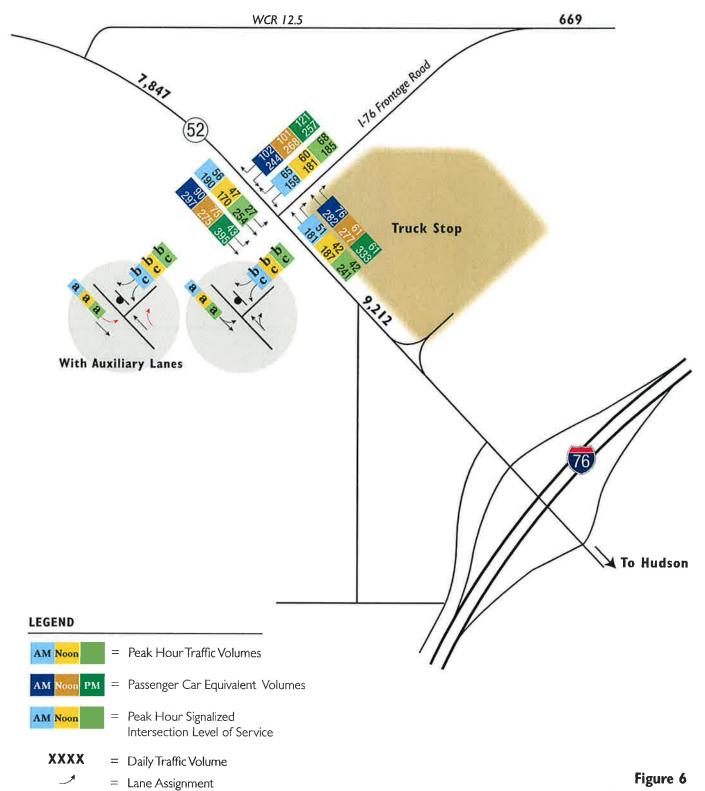








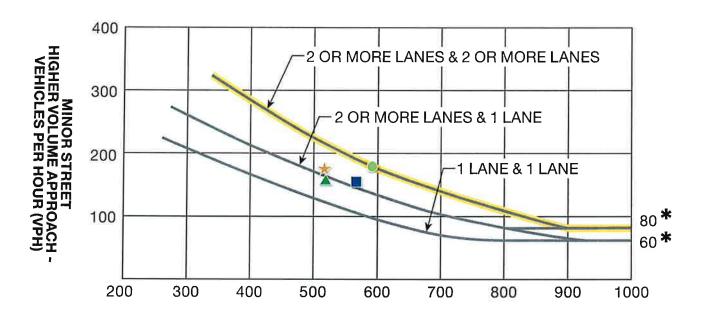






= Stop Sign

Total Traffic Analysis Production Phase (Year 2017)



# MAJOR STREET - TOTAL OF BOTH APPROACHES - VEHICLES PER HOUR (VPH)

\* Note: 80 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 60 vph applies as the lower threshold volume for a minor street approach with one lane.

#### LEGEND

= 4:00pm - 5:00pm (592,180)

= 7:00am - 8:00am (567,155)

 $\triangle$  = 5:00pm - 6:00pm (517, 157)

 $\star$  = 11:15am - 12:15pm (516,176)

Figure 7

Warrant 2

Four-Hour Vehicular Volume (70% Factor)

(Community Less than 10,000 Population or Above 40mph on Major Street)



Appendix A – Count Data

File Name: #1 HWY52&I76AM

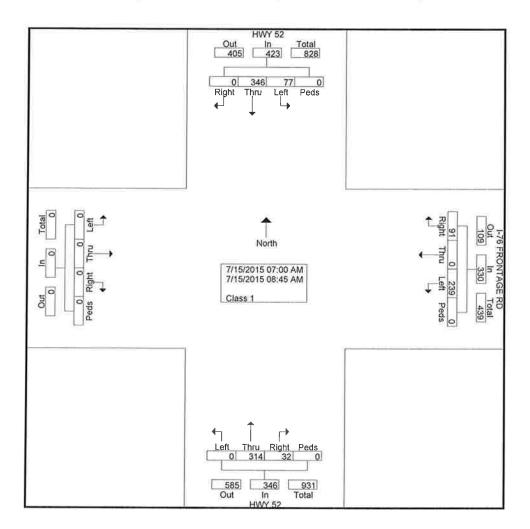
Site Code:

Start Date : 7/15/2015

Page No : 1

Groups Printed- Class 1

							Committee of the Commit	s Printe	u- Clas	51							
		HW\ SouthI			I-70	6 FRON Westh		RD		HW\ Northb				Eastb	ound		
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Int. Total
07:00 AM	0	36	7	0	14	0	30	0	2	45	0	0	0	0	0	0	134
07:15 AM	0	47	12	0	14	0	15	0	5	35	0	Ö	Ö	Ō	Ō	0	128
07:30 AM	0	42	9	0	12	0	31	ō	5	40	0	ō	Ö	Ö	Ö	Ō	139
07:45 AM	0	52	13	0	16	-0	29	.0	7	49	0	0	.0	0	0	0	166
Total	0	177	41	0	56	0	105	0	19	169	0	0	0	0	0	0	567
08:00 AM	0	41	9	0	12	0	33	0	5	34	0	0	0	0	0	0	134
08:15 AM	0	37	11	0	7	0	36	0	2	31	0	0	0	0	0	0	124
08:30 AM	0	43	6	0	5	0	38	0	1	44	0	0	0	0	0	0	137
08:45 AM	0	48	10	0	11	0	27	0	5	36	0	0	0	0	0	0	137
Total	0	169	36	0	35	0	134	0	13	145	0	0	0	0	0	0	532
Grand Total	0	346	77	0	91	0	239	0	32	314	0	0	0	0	0	0	1099
Apprch %	0	81.8	18.2	ōl	27.6	ō	72.4	ŏ	9.2	90.8	ñ	0	ő	Ô	0	Ö	1000
Total %	0	31.5	7	o l	8.3	Ŏ	21.7	ŏ	2.9	28.6	ő	o l	Ö	Ö	ñ	Ö	



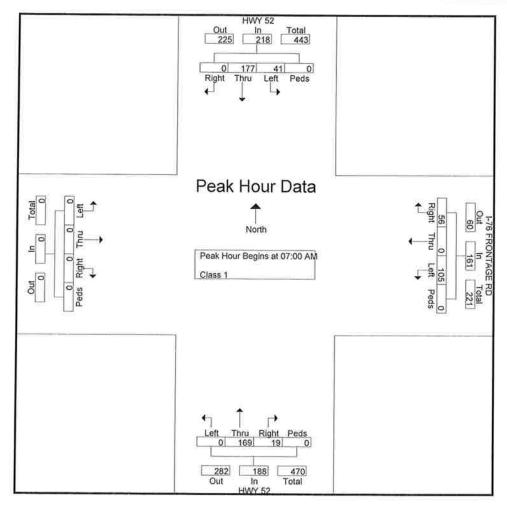
File Name: #1 HWY52&I76AM

Site Code:

Start Date : 7/15/2015

Page No : 2

			HWY uthbo			I-76 FRONTAGE RD Westbound				HWY :				E	astbo	und					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App, Total	Right	Thru	Left	Peds	App_Total	Right	Thru	Left	Peds	App Total	Int. Total
Peak Hour	Analys	sis Fro	om 07	00 AN	/I to 08:	45 AM	- Pea	k 1 of	1												
Peak Hour f	or Ent	ire Inte	ersect	ion Be	gins at	07:00	AM														
07:00 AM	0	36	7	0	43	14	0	30	0	44	2	45	0	0	47	0	0	0	0	0	134
07:15 AM	0	47	12	0	59	14	0	15	0	29	5	35	0	0	40	0	Õ	Õ	Ō	Ō	128
07:30 AM	0	42	9	0	51	12	0	31	0	43	5	40	0	0	45	0	0	0	0	0	139
07:45 AM	0	52	13	0	65	16	0	29	0	45	7	49	0	0	56	0	0	0	0	0	166
Total Volume	0	177	41	0	218	56	0	105	0	161	19	169	0	0	188	0	0	0	0	0	567
% App. Total	0	81.2	18.8	0		34.8	0	65.2	0		10.1	89.9	0	0	****	0	0	0	0		10000
PHF	.000	.851	.788	.000	.838	.875	.000	.847	.000	.894	.679	.862	.000	.000	.839	.000	.000	.000	.000	.000	.854



File Name: #1 HWY52&I76MID

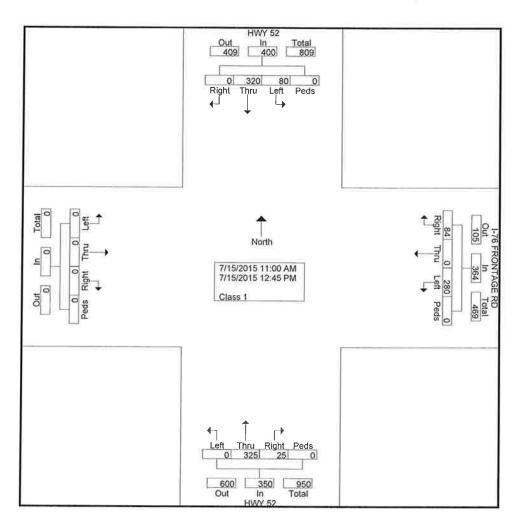
Site Code:

Start Date : 7/15/2015

Page No : 1

Groups Printed- Class 1

							The second second	Frinte	u- Clas	-							
		HW\ Southb			I-70	FRON Westl		RD		HW\ North				Eastb	ound		
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Int. Tota
11:00 AM	0	45	6	0	12	0	35	0	2	30	0	0	0	0	0	0	130
11:15 AM	0	48	10	0	8	0	38	0	2	37	0	o	0	Ō	Ö	0	143
11:30 AM	0	45	9	0	13	0	38	0	3	39	0	0	0	0	0	0	147
11:45 AM	0	33	8	0	14	0	31	0	5	46	0	0	0	0	0	0	137
Total	0	171	33	0	47	0	142	0	12	152	0	0	0	0	0	0	557
12:00 PM	0	33	13	0	10	0	21	0	1	53	0	0	0	0	0	0	131
12:15 PM	0	38	6	0	5	0	49	0	3	40	0	0	0	0	Ō	0	141
12:30 PM	0	35	14	0	10	0	34	0	2	34	0	0	0	0	0	0	129
12:45 PM	0	43	14	0	12	0	34	0	7	46	0	0	0	0	0	0	156
Total	0	149	47	0	37	0	138	0	13	173	0	0	0	0	0	0	557
rand Total	0	320	80	0	84	0	280	0	25	325	0	0	0	0	0	0	1114
Apprch %	0	80	20	0	23.1	0	76.9	0	7.1	92.9	Ō	ō	Ö	Ö	Ö	0	'''
Total %	0	28.7	7.2	0	7.5	0	25.1	0	2.2	29.2	0	ō	Ö	Ō	ō	0	



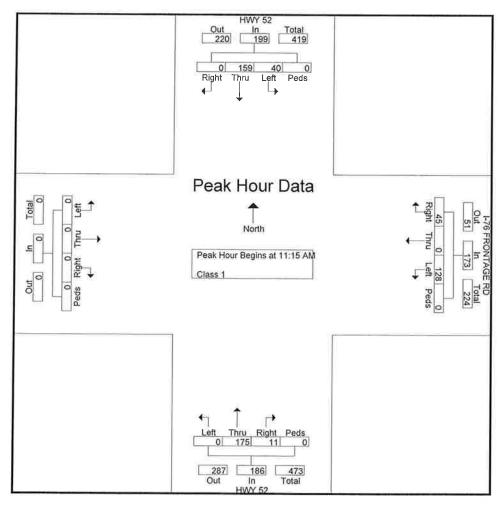
File Name: #1 HWY52&I76MID

Site Code:

Start Date : 7/15/2015

Page No : 2

			HWY :			I-76 FRONTAGE RD Westbound				HWY :				E	astbo	und					
Start Time	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App, Total	Right	Thru	Left	Peds	App, Tolai	Right	Thru	Left	Peds	App Total	Int Total
Peak Hour	Analys	sis Fro	om 11:	00 AN	I to 12:	45 PM	- Pea	k 1 of	1												
Peak Hour f	or Ent	ire Inte	ersect	ion Be	gins at	11:15	AM														
11:15 AM	0	48	10	0	58	8	0	38	0	46	2	37	0	0	39	0	0	0	0	0	143
11:30 AM	0	45	9	0	54	13	0	38	0	51	3	39	0	0	42	0	0	0	0	0	147
11:45 AM	0	33	8	0	41	14	0	31	0	45	5	46	0	0	51	0	0	0	0	0	137
12:00 PM	0	33	13	0	46	10	0	21	0	31	1	53	0	0	54	0	0	0	0	0	131
Total Volume	0	159	40	0	199	45	0	128	0	173	11	175	0	0	186	0	0	0	0	0	558
% App. Total	0	79.9	20.1	0		26	0	74	0		5.9	94.1	0	0		0	0	0	0	= = =	,,,,
PHF	.000	.828	.769	.000	.858	.804	.000	.842	.000	.848	.550	.825	.000	.000	.861	.000	.000	.000	.000	.000	.949



File Name: #1 HWY52&I76PM

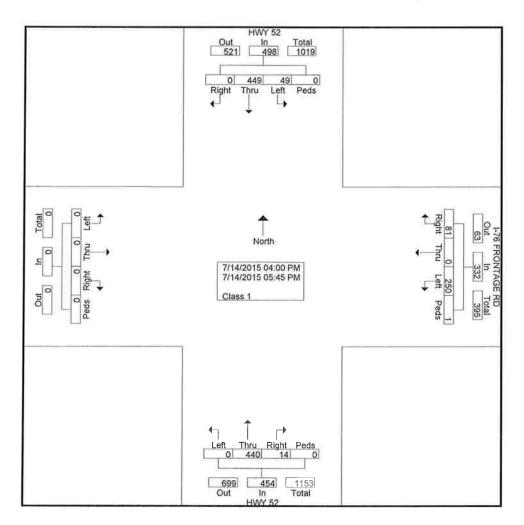
Site Code :

Start Date : 7/14/2015

Page No : 1

Groups Printed- Class 1

		HW			I-76	FRON		RD		HWY							
		South	bound			Westb	ound			North	ound			Eastb	ound		
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Int. Tota
04:00 PM	0	61	12	0	9	0	40	0	4	49	0	0	0	0	0	0	175
04:15 PM	0	66	5	0	13	0	33	0	4	48	0	0	0	0	0	0	169
04:30 PM	0	50	2	0	22	0	34	0	1	52	0	0	0	0	0	0	161
04:45 PM	0	57	9	0	15	0	43	0	1	55	.0	0	0	0	0	0	180
Total	0	234	28	0	59	0	150	0	10	204	0	0	0	0	0	0	685
05:00 PM	0	64	5	0	9	0	27	0	3	70	0	0	0	0	0	0	178
05:15 PM	0	62	5	0	7	0	23	1	0	56	0	0	0	0	0	0	154
05:30 PM	0	48	5	0	4	0	24	0	0	57	0	0	0	0	0	0	138
05:45 PM	0	41	6	0	2	0	26	0	1	53	0	0	0	0	0	0	129
Total	0	215	21	0	22	0	100	1	4	236	0	0	0	0	0	0	599
Grand Total	0	449	49	0	81	0	250	1	14	440	0	0	0	0	0	0	1284
Apprch %	0	90.2	9.8	0	24.4	0	75.3	0.3	3.1	96.9	0	0	0	0	0	0	
Total %	0	35	3.8	0	6.3	0	19.5	0.1	1.1	34.3	0	0	0	0	0	0	



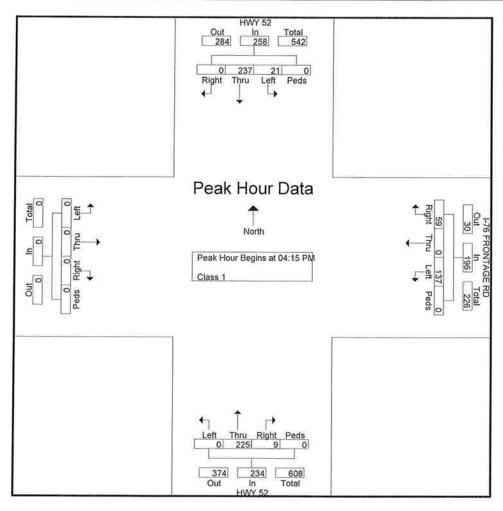
File Name: #1 HWY52&I76PM

Site Code :

Start Date : 7/14/2015

Page No : 2

			HWY :			I-76 FRONTAGE RD Westbound				HWY				E	astbo	und					
Start Time	Right	Thru	Left	Peds	App, Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour	Analys	sis Fro	om 04:	00 PN	I to 05:4	45 PM	- Pea	k 1 of	1												
Peak Hour f																					
04:15 PM	0	66	5	0	71	13	0	33	0	46	4	48	0	0	52	0	0	0	0	0	169
04:30 PM	0	50	2	0	52	22	0	34	0	56	1	52	0	0	53	0	0	0	0	0	161
04:45 PM	0	57	9	0	66	15	0	43	0	58	1	55	0	0	56	0	0	0	0	0	180
05:00 PM	0	64	5	0	69	9	0	27	0	36	3	70	0	0	73	0	0	0	0	0	178
Total Volume	0	237	21	0	258	59	0	137	0	196	9	225	0	0	234	0	0	0	0	0	688
% App. Total	0	91.9	8.1	0		30.1	0	69.9	0	0.0000	3.8	96.2	0	0	L'Ombes (C)	0	0	0	0	1080	
PHF	.000	.898	.583	.000	.908	.670	.000	.797	.000	.845	.563	.804	.000	.000	.801	.000	.000	.000	.000	.000	.956



NB
File Name: Z:NATHAN TUBES\2015\CO\9701 - HUDSON OIL & GAS TMC & ADT 7-2015\2CLASS.TF2
Start Date: 7/16/2015
Start Time: 12:00.00 AM
Site Code: 2
Localion 1: HWY 52 N/O I-76 FRONTAGE RD
Location 2: HWY 52 N/O I-76 FRONTAGE RD

		Cars &	2 Axle	10.75	2 Axie 6:	3 Axle	4 Axle	<5 Avi	5 Axle	>6 Avi	×6 Axi	6 Axle	>6 Axf	Not
Number Date Time	Bikes	Tradece	Long	Buses	Tire	Single	Single	Double	Double	Double	Multi	Multi	Multi	Classed
1 7/16/2015 12:00 AM		0	2	0	0	0	0			1	0	0	0	0
2 7/16/2015 12:15 AM 3 7/16/2015 12:30 AM		2	0	0	2	0	0	0		0	0	0	0	0
4 7/16/2015 12:45 AM	o	3	0	o	ő	ő	0			ő	ő	ő	0	ő
5 7/16/2015 01:00 AM	0	4	1	0	0	0	0	0	0	0	0	0	0	0
6 7/16/2015 01:15 AM	0	- 5	1	0	1	0	0	0	1	0	0	0	0	0
7 7/16/2015 01:30 AM 8 7/16/2015 01:45 AM	0	2 2	0	0	0	0	0	0	0	0	0	0	0	0
9 7/16/2015 02:00 AM	ő	â	0	0	4	ő	ő	ő	0	0	ő	0	0	0
10 7/16/2015 02:15 AM	0	0	1	0	D	0	0	0	0	0	0	0	0	1
11 7/16/2015 02:30 AM	0	1	0	1	0	0	0	0	1	0	0	0	0	Ω
12 7/16/2015 02:45 AM 13 7/16/2015 03:00 AM	0	0	0	0	0	0	0		0	0	0	0	0	0
14 7/16/2015 03:15 AM	0	0	1	ő	0	0	.0	0	2	0	0	0	0	0
15 7/16/2015 03:30 AM	0	0	0	ō	2	o	ő	ő	0	ő	ő	0	o	o
16 7/16/2015 03:45 AM	0	2	1	0	0	0	0	0	\$	0	0	0	0	O.
17 7/16/2015 04:00 AM	0	1	2	0	0	0	0	0	0	0	0	0	0	0
18 7/16/2015 04:15 AM 19 7/16/2015 04:30 AM	0	2 5	3	0	2	0	0	0	5	0	0	0	0	6
20 7/16/2015 04:45 AM	Ď.	7	4	o o	- 7	ò	0	1	o	ő	ő	0	0	ő
21 7/16/2015 05:00 AM	1	7	3	0	2	0	0	0	0	0	0	0	0	0
22 7/16/2015 05:15 AM	0	6;	6	0	6	1	0	0	1	0	0	0	0	3
23 7/16/2015 05:30 AM 24 7/16/2015 05:45 AM	0 2	20 17	19 12	2	7	0 2	0	3	2	0	0	0	0	3.
25 7/16/2015 06:00 AM	0	21	19	ô	10	ő	ő	3	2	0	0	0	0	2
26 7/16/2015 06:15 AM	1	15	11	0	12	1	ō	1	4	ō	o	0	0	2
27 7/16/2015 06:30 AM	1	24	17	1	18	1		1	4	1	O	0	0	3
28 7/16/2015 06:45 AM 29 7/16/2015 07:00 AM	2	26 16	19 9	0	8 6	3	0	2	5	1	0	0	0	0
30 7/16/2015 07:15 AM	1	21	11	0	8		0	3	6		0	0	0	2
31 7/16/2015 07:30 AM	2	23	12	1	6	6	0	3	4	i	0	o	ő	3
32 7/16/2015 07:45 AM	1	23	21	0	15	7	0	3	6	0	0	0	0	0
33 7/16/2015 08:00 AM 34 7/16/2015 08:15 AM	1	19 15	B 16	3	5	2	0	0	3	0	0	0	0	1
35 7/16/2015 08:30 AM	1	30	16 9	0	14 10	3	0	5	10	0 2	0	0	0	3
36 7/16/2015 08:45 AM	0	21	5	0	6	0	0	ő	8	ō	0	o o	Ö	1
37 7/16/2015 09:00 AM	0	25	3	1	5	0	0	3	9	0	0	0	0	2
38 7/16/2015 09:15 AM	0	12	16	0	10	3	0	3	4	0	0	0	0	0
39 7/16/2015 09:30 AM 40 7/16/2015 09:45 AM	2 0	14 24	8 13	0	7	3	0	3	7	0	0	0	0	0
41 7/16/2015 10:00 AM	0	12	9	0	11	ő	0	1	6 5	ó	0	ő	0	0
42 7/16/2015 10:15 AM	0	16	9	0	7	2	0	2	3	0	0	0	0	3
43 7/16/2015 10:30 AM	3	18	7	0	11	3	0	. 1	5	0	0	0	0	2
44 7/16/2015 10:45 AM 45 7/16/2015 11:00 AM	0	22 25	17 17	2	6 8	3	0	1 2	3	0	0	0	0	0
46 7/16/2015 11:15 AM	0	18	14	0	6	1	0	2	8	0	0	0	0	2
47 7/16/2015 11:30 AM	4	30	11	0	5	i	0	2	8	0	o	0	0	-4
48 7/16/2015 11:45 AM	0	12	7	0	9	3	0	- 1	1	1	0	0	0	6
49 7/16/2015 12:00 PM	0	21	17	1	7	3	0	3	6	0	0	0	0	0
50 7/16/2015 12:15 PM 51 7/16/2015 12:30 PM	0	16 28	16 5	0	10 10	0	0	4 2	4 8	0	0	0	0	1
52 7/16/2015 12:45 PM	0	20	11	0	11	0	0	ō	4	0	0	0	o	2
53 7/16/2015 01:00 PM	0	33	22	0	6	1	0	1	6	1	0	0	0	3
54 7/16/2015 01:15 PM	0	17	18	2	9	2	0	1	2	0	0	0	0	- 4
55 7/16/2015 01:30 PM 56 7/16/2015 01:45 PM	0	36 22	9	0 2	6 7	4	0	2	9 5	0	0	0	0	4
57 7/16/2015 02:00 PM	0	28	6	0	4	o	0	3	8	0	0	0	ő	2 2
58 7/16/2015 02:15 PM	2	16	8	0	11	2	0	0	1	0	0	0	0	3
59 7/16/2015 02:30 PM	0	19	8	0	7	4	0	3	7	0	0	0	0	2
60 7/16/2015 02:45 PM 61 7/16/2015 03:00 PM	0 2	32 31	8 13	0	9	3	0	0	4 7	0	0	0	0	3
62 7/16/2015 03:15 PM	2	21	11	0	8	8	0	1	5	0	0	0	0	6
63 7/16/2015 03:30 PM	0	27	15	1	8	0	- 1	2	3	0	0	0	0	4
64 7/16/2015 03:45 PM	0	27	9	0	8	4	0	4	6	0	0	0	0	2
65 7/16/2015 04:00 PM	0	34	18	1	15	2	0	2	8	0	0	0	0	0
66 7/16/2015 04:15 PM 67 7/16/2015 04:30 PM	3	37 34	14	0	13 6	5	0	2	8	1	0	0	0	0
68 7/16/2015 04:45 PM	1	34	17	1	7	1	0	2	6	1	0	0	0	2
69 7/16/2015 05:00 PM	1	27	15	0	12	2	0	2	3	1	0	0	0	3
70 7/16/2015 05:15 PM 71 7/16/2015 05:30 PM	100	40 41	13 16	0	7 7	5	0	2	6 2	0	0	0	0	5
72 7/16/2015 05:45 PM	2	28	12	0	3	o	o	3	1	0	0	0	o	3
73 7/16/2015 06:00 PM	1	26	9	1	9	1	0	2	4	0	0	o	0	0
74 7/16/2015 06:15 PM	0	18	5	0	2	1	0	2	5	0	0	0	0	4
75 7/16/2015 06:30 PM 76 7/16/2015 06:45 PM	0	44 23	10	0	5	0	0	2	2	0	0	1	0	0
77 7/16/2015 00:43 PM	1	22	5	0	3	0	0	0	2	0	0	0	0	2
78 7/16/2015 07:15 PM	0	28	8	1	3	1	0	0	0	0	0	0	0	0
79 7/16/2015 07:30 PM	0	13	6	0	1	0	0	0	0	0	0	0	0	2
80 7/16/2015 07:45 PM 81 7/16/2015 08:00 PM	0	20 16	8	0	4	0	0	0	1	0	0	G	0	1
82 7/16/2015 08:15 PM	2	13	10	ő	1	0	0	0	2	0	0	0	0	0
83 7/16/2015 08:30 PM	0	16	11	0	4	0	0	0	1	1	0	o	0	1
84 7/16/2015 08:45 PM	0	15	5	0	4	0	0	0	2	0	0	0	0	0
85 7/16/2015 09:00 PM	0	16	5	1	1	0	0	0	1	0	Ó	0	0	1
86 7/16/2015 09:15 PM 87 7/16/2015 09:30 PM	1	15 13	5	0	7	0	0	0	3	0	0	0	0	0
88 7/16/2015 09:45 PM	ó	11	1	o	1	0	0	1	2	0	0	0	0	0
69 7/16/2015 10:00 PM	0	11	1	0	2	0	0	0	2	0	D	0	0	0
90 7/16/2015 10:15 PM	0	5	1	0	2	1	0	0	0	0	0	0	0	0
91 7/16/2015 10:30 PM 92 7/16/2015 10:45 PM	0	11 10	3	0	2 2	0	0	0	1 3	0	0	0	0	0
93 7/16/2015 11:00 PM	o	5	2	ó	ő	0	ő	ő	0	1	o	0	0	1
94 7/16/2015 11:15 PM	0	3	0	0	0	0	0	0	- 3	0	0	0	0	1
95 7/16/2015 11:30 PM 96 7/16/2015 11:45 PM	0	7	3	1	2	0	0	0	6	0	0	0	0	0
90 1/10/2015 11:45 PM	0	3	0	0	0	0	0	D	- 3	0	0	0	0	0

SB File Name: Z-INATHAN TUBESI2I Start Date: 7/16/2015 Start Time: 12:00:00 AM Site Code: 2 Location 1: HWY 52 N/O I-76 FRC Location 2: HWY 52 N/O I-76 FRC	ONTAGE RD	- HUDSON	OIL & GAS	STMC & AI	DT 7-2015/2	CLASS.TF2								
Number Date Time	Ekes	Cars & Trailers	2 Axle	Buses	2 Axte 6 Tite	3 Axie	4 Axie	<5 Avi	5 Axle	26 Axt	<6 Axi	6 Axle	>6 AxI	Not
1 7/16/2015 12:00 AM	0	0	Long 1	0		Single 0	Single 0	Double 0	Double 1	Double 0	Mulb	Multi 0	Multi 0	Classed
2 7/16/2015 12:15 AM 3 7/16/2015 12:30 AM	0	1 0	0	0	0	0	0	0	0	0	0		0	0
4 7/16/2015 12:45 AM	0	1	1	0	0	0	0	ō	1	o	0	0	0	0
5 7/16/2015 01:00 AM 6 7/16/2015 01:15 AM	0	3	2	0	0	0	0	0	0	0	0		0	0
7 7/16/2015 01:30 AM	0	1	ő	0	ō	0	g	1	3	0	0		0	0
8 7/16/2015 01:45 AM 9 7/16/2015 02:00 AM	0	2	0	0	0	0	0	1	3 2	0	0	0	0	0
10 7/16/2015 02:15 AM	0	2	0	o	1	0	0	- 1	ő	0	0			1
11 7/16/2015 02:30 AM 12 7/16/2015 02:45 AM	0	1	0	2	0	0	0	0	2	0	0	0	0	0
13 7/16/2015 03:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0
14 7/16/2015 03:15 AM 15 7/16/2015 03:30 AM	0	5	1	0	1	0	0	0	0	0	0	0	0	0
16 7/16/2015 03:45 AM	0		1	٥	1	0	0	1	1	0	0	0	0	0
17 7/16/2015 04:00 AM 18 7/16/2015 04:15 AM	0	4	1	0	1	0	0	0	3	0	0	0	0	0
19 7/16/2015 04:30 AM 20 7/16/2015 04:45 AM	0	10	0	0	2	0	0	0	0 2	0	0	0	0	0
21 7/16/2015 05:00 AM	0	11	4	0	5	0	0	1	3	0	0	0	0	0
22 7/16/2015 05:15 AM 23 7/16/2015 05:30 AM	0	18 17	11 6	0	5	2	0	1 0	0	0	0	0	0	1
24 7/16/2015 05:45 AM	0	19	10	0	6	0	0	1	4	0		0	0	2
25 7/16/2015 06:00 AM 26 7/16/2015 06:15 AM	0	14 16	11 17	0	12	1	0	0 1	2	0	0	0	0	2
27 7/16/2015 06:30 AM 28 7/16/2015 06:45 AM	0	22	13	0	13	- 1	0	5	4	0	0	0	0	3
29 7/16/2015 07:00 AM	0	24 17	15 12	1	12 6	0	0	3	6	0	0	0	0	2
30 7/16/2015 07:15 AM 31 7/16/2015 07:30 AM	0 4	31 20	11 10	1	6	1	0	3	2	0	0	0	0	5 7
32 7/16/2015 07:45 AM	1	23	5	2	9	1	0	2	5	0	0	0	0	4
33 7/16/2015 08:00 AM 34 7/16/2015 08:15 AM	0	30 23	11 10	1 0	12 5	5	0	2	3 7	0	0	0	0	2
35 7/16/2015 08:30 AM	0	19	13	0	9	1	0	4	- 1	ő	0	- 1	0	4
36 7/16/2015 08:45 AM 37 7/16/2015 09:00 AM	1	29 26	12 13	0	5 5	2	0	2 8	5	0	0	0	0	3
38 7/16/2015 09:15 AM	0	17	10	1	9	1	0	1	5		0	0	0	2
39 7/16/2015 09:30 AM 40 7/16/2015 09:45 AM	0	26 26	12 10	1	5 8	5	0	3 5	3	0 2	0	0	0	3
41 7/16/2015 10:00 AM 42 7/16/2015 10:15 AM	1	19	10	1	6	1	0	4	3	0	0	0	0	2
43 7/16/2015 10:30 AM	0	19 25	11 8	0	9	5 2	0	4	3	0	0	0	0	5
44 7/16/2015 10:45 AM 45 7/16/2015 11:00 AM	0	17 18	12 10	1	9	1	0	3 4	3 0	0	0	0	0	3 5
46 7/16/2015 11:15 AM	1	27	9	1	8	o	ő	0	2	0	0	0	0	4
47 7/16/2015 11:30 AM 48 7/16/2015 11:45 AM	0	22 17	11 16	3 2	5 10	0	0	6	7 2	0	0	0	0	3 .8
49 7/16/2015 12:00 PM	0	18	12	2	10	0	0	7	2	0	0	0	0	5
50 7/16/2015 12:15 PM 51 7/16/2015 12:30 PM	1	28 21	13 14	1	5 10	1	0	6	3	0	0	0	0	9
52 7/16/2015 12:45 PM 53 7/16/2015 01:00 PM	0	25 19	11 14	0	6	0 2	0	8 7	3	0	0	0	0	3
54 7/16/2015 01:15 PM	3	20	14	1	7	0	0	6	0	0	0	0	0	3
55 7/16/2015 01:30 PM 56 7/16/2015 01:45 PM	1	16 18	9 15	2 2	8 7	2	0	7 6	0	0	0	0	0	11 6
57 7/16/2015 02:00 PM	0	16	5	2	5	1	0	2	1	0	Û	0	0	5
58 7/16/2015 02:15 PM 59 7/16/2015 02:30 PM	0	27 26	10 12	0	11 .8	2	0	2 6	3	0	0	0	0	8
60 7/16/2015 02:45 PM 61 7/16/2015 03:00 PM	0 2	19 16	13 13	0	4 8	0	0	2 2	2	1	0	0	0	3 6
62 7/16/2015 03:15 PM	0	17	17	2	13	1	0	6	3	ó	0	o	o	8
63 7/16/2015 03:30 PM 64 7/16/2015 03:45 PM	0 2	25 25	10 16	0	7 7	0	0	4	3	0	0	0	0	5 2
65 7/16/2015 04:00 PM 66 7/16/2015 04:15 PM	2	33	19	1	5	0	0	2	2	0	0	0	0	5
67 7/16/2015 04:30 PM	1	28 25	20 7	0	10 7	5	0	3	5	0	0	0	0	5 5
68 7/16/2015 04:45 PM 69 7/16/2015 05:00 PM	1	28 31	18 9	1 0	11 14	1	0	2	2	0	0	0	0	7
70 7/16/2015 05:15 PM	1	31	29	3	9	1	0	i	1	0	0	0	0	5
71 7/16/2015 05:30 PM 72 7/16/2015 05:45 PM	0	29 43	22 18	0	4 5	;	0	1	2	0	0	0	0	4
73 7/16/2015 06:00 PM	1	28	14	0	7	1	0	1	2	0	0	0	0	1
74 7/16/2015 06:15 PM 75 7/16/2015 06:30 PM	1	34 27	18 10	0	6 7	0	0	2 2	- 1	0	0	0	0	2
76 7/16/2015 06:45 PM 77 7/16/2015 07:00 PM	1	22	13	0	3	1	0	3	0	1	0	0	0	4
78 7/16/2015 D7:15 PM	2	22 18	6 9	0	4	0	0	3	2	0	0	0	0	1 3
79 7/16/2015 07:30 PM 80 7/16/2015 07:45 PM	0	19 15	7 8	0	3	0	0	0	2	0	0	0	0	1 0
81 7/16/2015 08:00 PM	0	18	4	0	4	0	0		0	0	0	0	0	1
82 7/16/2015 08:15 PM 83 7/16/2015 08:30 PM	0	27 19	14 4	0	2	0	0	0	0 2	0	0	0	0	0
84 7/16/2015 08:45 PM	1	13	5	0	1	0	0	0	1	0	0	0	0	0
85 7/16/2015 09:00 PM 86 7/16/2015 09:15 PM	0	12 15	5 6	0	2	0	0	0	3	0	0	0	0	0
87 7/16/2015 09:30 PM 88 7/16/2015 09:45 PM	0	5	2	0	1	0	0	0	0	0	0	0	0	0
89 7/16/2015 10:00 PM	0	12 11	2	0	1 4	0	0	0	1	0	0	0	0	0
90 7/16/2015 10:15 PM 91 7/16/2015 10:30 PM	0	7	2	0	0	0	0	0	1	0	0	0	0	0
92 7/16/2015 10:45 PM	D	5	3	0	2	0	.0	2	.0	0	0	0	0	1
93 7/16/2015 11:00 PM 94 7/16/2015 11:15 PM	0 1	2 9	2	0	0	1 2	0	0	4 2	0	0	0	0	0
95 7/16/2015 11:30 PM	0	4	1	0	0	0	0	0	0	0	0	0	0	0
96 7/16/2015 11:45 PM	0	1	0	0	0	0	0	0	2	.0	0	0	0	0

File Name: Z:WATHAN TUBE:SV20 Slart Date: 7/15/2015 Slart Time: 12:00:00 AM Site Code: 3 Location 1 HWY 52 S/O I-76 FRC Location 2: HWY 52 S/O I-76 FRC	NTAGE RD													
Number Date Time 1 7/15/2015 12:00 AM	Bikes	Cars & Traders	2 Axie Long	Buses	2 Axie 6 Tire	3 Axio Single	4 Axie Single	45 Avi Double	5 Axle Double	>6 Axt Double	<6 Axi Muss	6 Axe Multi	P6 Axt Multi	Not Classed
2 7/15/2015 12:15 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0
3 7/15/2015 12:30 AM 4 7/15/2015 12:45 AM	0	0	0	0	0	0	0	0		0	0	0	0	0
5 7/15/2015 01:00 AM 6 7/15/2015 01:15 AM	0	0	0	0	1 0	0	0	0		0	0	0	0	0
7 7/15/2015 01:30 AM	0	2	0	.0	0	0	0	0	0	0	0	0	0	0
8 7/15/2015 01:45 AM 9 7/15/2015 02:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0
10 7/15/2015 02:15 AM 11 7/15/2015 02:30 AM	0	0	0	0	2	0	0	1 0	1	0	0	0	0	1 0
12 7/15/2015 02:45 AM 13 7/15/2015 03:00 AM	0	1 2	0	0	0	0	0	0	0	0	0	0	0	0
14 7/15/2015 03:15 AM 15 7/15/2015 03:30 AM	0	0	0	0	0	0	0	0	1	0	0	0	0	0
16 7/15/2015 03:45 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	1
17 7/15/2015 04:00 AM 18 7/15/2015 04:15 AM	0	3	0	3	1	0	0	0	0	0	0	0	0	0
19 7/15/2015 04:30 AM 20 7/15/2015 04:45 AM	0	7 5	4 5	0	1	0	0	0	0	0	0	0	0	0
21 7/15/2015 05:00 AM 22 7/15/2015 05:15 AM	0	9	5	0	1	0	0	0	0	0	0	0	0	2
23 7/15/2015 05:30 AM	Ó	26	19	0	5 9	0	0	0	0	0	0	0	0	0
24 7/15/2015 05:45 AM 25 7/15/2015 06:00 AM	0	18 16	11 17	3	10 10	0	0	0	9	0	0	0	0	2
26 7/15/2015 06:15 AM 27 7/15/2015 06:30 AM	0	21 31	13 16	0 2	13 10	1 0	0	1	1	0	0	0	0	6
28 7/15/2015 06:45 AM 29 7/15/2015 07:00 AM	0	26 22	20 11	1	10	2	0	1	o	0	0	0	0	3
30 7/15/2015 07:15 AM	1	17	7	3	4	ő	0	0	5	0	0	0	0	1
31 7/15/2015 07:30 AM 32 7/15/2015 07:45 AM	0	19 26	10 12	0	8 4	1	0	5	1	0	0	0	0	5
33 7/15/2015 08:00 AM 34 7/15/2015 08:15 AM	0	18 16	11 8	0	6	0	0	2	2 2	0	0	0	0	3 2
35 7/15/2015 08:30 AM 36 7/15/2015 08:45 AM	1	22 15	9	0	9	1	0	1	2	0	0	0	0	2
37 7/15/2015 09:00 AM	1	11	11	0	4	0	0	2	5	1	0	0	0	3
38 7/15/2015 09:15 AM 39 7/15/2015 09:30 AM	0	15 13	13 6	0	4	0	0	3	2	0	0	0	0	1
40 7/15/2015 09:45 AM 41 7/15/2015 10:00 AM	0	21 11	6 8	0	3	1	0	2	3	0	0	0	0	5
42 7/15/2015 10:15 AM 43 7/15/2015 10:30 AM	0	14 13	6 10	2	5	4	0	2	5	0	0	0	0	2
44 7/15/2015 10:45 AM 45 7/15/2015 11:00 AM	0	11 13	10 11	1	4 2	O	0	2	0	0	0	0	0	3
46 7/15/2015 11:15 AM	0	16	5	0	2	2	0	3	3	0	0	0	0	10
47 7/15/2015 11:30 AM 48 7/15/2015 11:45 AM	0	24 23	15 13	1	8	0	0	5	1 2	0	0	0	0	6 5
49 7/15/2015 12:00 PM 50 7/15/2015 12:15 PM	2	19 14	13 4	0	7	1	0	2	2	0	0	0	0	4
51 7/15/2015 12:30 PM 52 7/15/2015 12:45 PM	1	22 24	8 7	1 0	9.	0	0	0	2 2	0	0	0	0	1
53 7/15/2015 01:00 PM 54 7/15/2015 01:15 PM	0	19	8	1	9	2	0	1	1	0	0	0	0	6
55 7/15/2015 01:30 PM	0	15 23	9 18	0	7	2	0	4	4	0	0	0	0	2
56 7/15/2015 01:45 PM 57 7/15/2015 02:00 PM	0	12 13	6 5	0	4	0	0	0	3	0	0	0	0	8
58 7/15/2015 02:15 PM 59 7/15/2015 02:30 PM	0	25 25	9 10	1 2	2	1	0	2	0	0	0	0	0	3
60 7/15/2015 02:45 PM 61 7/15/2015 03:00 PM	2	29 20	14 12	0	10	0	0	1 3	2	1 0	0	0	0	6
62 7/15/2015 03:15 PM 63 7/15/2015 03:30 PM	4	27	8	1	7	0	0	3	2	0	0	0	0	1
64 7/15/2015 03:45 PM	0	24 27	18 10	1	6 2	3 2	0	4	0	0	0	0	0	6
65 7/15/2015 04:00 PM 66 7/15/2015 04:15 PM	2 2	22 22	10 17	0	3	0	0	2	2	0	0	0	0	5
67 7/15/2015 04:30 PM 68 7/15/2015 04:45 PM	1	25 25	11 17	0	8	0	0	1	3	0	0	0	0	6
69 7/15/2015 05:00 PM 70 7/15/2015 05:15 PM	3	37 31	1.3 8	0	9 8	1	0	0	1 0	0	0	0	0	7
71 7/15/2015 05:30 PM 72 7/15/2015 05:45 PM	1 0	33 26	10 10	0	6 9	1 0	0	1 0	1	0	0	0	0	- 4
73 7/15/2015 06:00 PM	1	21	8		4	G	0	Ó	0	0	0	0	0	2
74 7/15/2015 06:15 PM 75 7/15/2015 06:30 PM	0	15 19	8 5	0	5	0	0	2	3 2	0	0	0	0	2
76 7/15/2015 06:45 PM 77 7/15/2015 07:00 PM	1	17 7	8	0	3	0	0	0	3	0	0	0	0	1
78 7/15/2015 07:15 PM 79 7/15/2015 07:30 PM	0	17 17	4 8	0	4 2	0	0	1 0	0	0	0	0	0	2 0
80 7/15/2015 07:45 PM	0	11	3	1	4	0	0	1	1	a	0	O	0	0
81 7/15/2015 08:00 PM 82 7/15/2015 08:15 PM	0	5 13	8	0	0	0	0	0	1	0	0	0	0	1
83 7/15/2015 08:30 PM 84 7/15/2015 08:45 PM	0	9	1	0	0	0	0	0	0	0	0	0	0	0
85 7/15/2015 09:00 PM 86 7/15/2015 09:15 PM	0	8 13	2 2	0	3 0	0	0	0	1	0	0	0	0	0
87 7/15/2015 09:30 PM	0	4	0	0	0	0	0	0	0	0	0	0	0	0
88 7/15/2015 09:45 PM 89 7/15/2015 10:00 PM	0	8	0	0	0	0	0	0	0	0	0	0	0	0
90 7/15/2015 10:15 PM 91 7/15/2015 10:30 PM	0	4 5	1 3	0	0	0	0	1	0	0	0	0	0	0
92 7/15/2015 10:45 PM 93 7/15/2015 11:00 PM	0	3	0	0	0	0	0	0	2	1 0	0	0	0	0
94 7/15/2015 11:15 PM 95 7/15/2015 11:30 PM	0	1 4	1	0	0	0	0	D	0	0	0	0	0	0
96 7/15/2015 11:45 PM	0	3	0	0	1	0	0	0	2	0	0	0	0	0

SB
File Name: Z:NATHAN TUBES/2015/CO/9701 - HUDSON OIL & GAS TMC & ADT 7-2015/3CLASS.TF2
Slart Date: 7/15/2015
Slart Time: 12:00:00 AM
Site Code: 3
Location 1: HWY 52 S/O I-76 FRONTAGE RD
Location 2: HWY 52 S/O I-76 FRONTAGE RD

		Care &	2 Axio		2 Axie 6	3 Axle	- 4 Axie	<5 Aid	5 Axle	>6 AxI	<6 Axt	6 Axie	>8 Ad	Not
Number Date Time	Bikes	Trailers	Long	Buses	Tire	Single	Single	Double	Double	Double	Multi	Multi	Multi	Classed
1 7/15/2015 12:00 2 7/15/2015 12:15		0 6	0	0	0	0	0			0	0	0	0	0
3 7/15/2015 12:30		0 0	0	0	1	0	0		3	0	0	1	0	0
4 7/15/2015 12:45 5 7/15/2015 01:00		0 5	0	0	0	0	0			0	0	0	0	0
6 7/15/2015 01:15	AM (	0 3	i i	0		.0	0			0	ō	o	0	0
7 7/15/2015 01:30 8 7/15/2015 01:45		0 3	0	0	0	0	0			0	0	0	0	0
9 7/15/2015 02:00	AM (	0 1	ő	ő	ő	ő	ő	ě		o	o	3	ő	ő
10 7/15/2015 02:15		0 0	0	1	1	0	0	0		0	0	0	0	0
11 7/15/2015 02:30 12 7/15/2015 02:45		0 4	0	0	0	0	0	0	100	0	0	0	0	0
13 7/15/2015 03:00			1	0	2	0	o	0	1	0	o	0	ŏ	o
14 7/15/2015 03:15 15 7/15/2015 03:30		0 1	0	0	2	0	0	0		0	0	0	0	0
16 7/15/2015 03:45	AM (	2	1	0	,	0	o	o	4	ō	0	o	0	0
17 7/15/2015 04:00 18 7/15/2015 04:15			2	1 0	2	0	0	1 0	12	0	0	0	0	0
19 7/15/2015 04:30	AM (		4	0	1	1	o	o	8	ő	0	0	0	0
20 7/15/2015 04:45 21 7/15/2015 05:00			5	2	3	3	0	0		0	0	2	0	0
22 7/15/2015 05:05:			5 6	0	5 5	0 1	0	0	10	2	9	0	0	1
23 7/15/2015 05:30			11	0	5	1	0	0	9	0	0	1	0	3
24 7/15/2015 05:45 a 25 7/15/2015 06:00 a			8 21	0	8	3 2	0	0	10	0	0	0	0	5
26 7/15/2015 06:15	AM 3	19	14	0	15	4	1	4	8	0	0	0	1	5
27 7/15/2015 06:30 / 28 7/15/2015 06:45 /	AM 0		15 8	0	16 10	2	0	2	12	0	0		Ö	2
29 7/15/2015 07:00			8	0	6	1	1	2	10 9	0	0	0	0	5
30 7/15/2015 07:15 / 31 7/15/2015 07:30 /		32	15	0	9	1	0	2	8.	1	0	1	1	3
32 7/15/2015 07:45			16 17	0	10 12	2	0	3	8 17	1	0	0	0	2
33 7/15/2015 08:00 /			14	1	4	9	0	2	6	0	0	0	1	4
34 7/15/2015 08:15 / 35 7/15/2015 08:30 /			13 12	3	10 9	3 5	0	3.0	11 10	0	0	0	0	3 8
36 7/15/2015 08:45 /	vM 0	33	29	ŏ	5	2	Ö	3	14	ò	o	ĭ	o	5
37 7/15/2015 09:00 / 38 7/15/2015 09:15 /			18 9	3	2	5	0	2	12	1	0	1	0	2
39 7/15/2015 09:30 /			20	i	7	2	ő	1	11	0	0	0	0	3
40 7/15/2015 09:45 /		23	10	2	5	0	0	2	7	1	0	1	0	2
41 7/15/2015 10:00 / 42 7/15/2015 10:15 /			15 17	0	11 7	4	0	1	13 13	0	0	1	0	0
43 7/15/2015 10:30 /		29	17	2	0	1	1	0	12	2	0	0	0	3
44 7/15/2015 10:45 A 45 7/15/2015 11:00 A		31 25	17 18	4	8 6	5	0	4	12 13	0	0	0	0	2
46 7/15/2015 11:15 A	М 3	31	14	0	11	2	0	3	12	2	0	0	0	7
47 7/15/2015 11:30 / 48 7/15/2015 11:45 /		32 14	18 10	2	8 10	5	0	0	16	0	0	0	1	2
49 7/15/2015 12:00 F		26	19	1	6	4	0	2	10 8	0	0	1	0	5
50 7/15/2015 12:15 F 51 7/15/2015 12:30 F		33	24	1	8	0	0	0	14	0	0	0	1	4
52 7/15/2015 12:45 F		33 26	14 14	2	4 14	5	0	4	9 11	0	0	0	0	2
53 7/15/2015 01:00 F	M 1	22	11	2	9	5	1	2	8	1	0	0	0	3
54 7/15/2015 01:15 F 55 7/15/2015 01:30 F		20 38	12 20	1	10	3	2 0	4 3	11 11	0	0	1 0	0	6 2
56 7/15/2015 01:45 F	M 0	17	20	30	12	4	0	3	20	1	0	1	1	2
57 7/15/2015 02:00 F 58 7/15/2015 02:15 F		28 26	17 14	0	9	4	0	1	11	0	0	0	0	3
59 7/15/2015 02:30 F	M 0	28	7	ő	9	o	0	0	18 10	0	0	o	0	3
60 7/15/2015 02:45 P 61 7/15/2015 03:00 P		28 29	18 16	1	7	5	0	0	10	0	0	0	0	5
62 7/15/2015 03:15 P		22	13	2	9	5	0	2	7 10	0 2	0	0	0	6 2
63 7/15/2015 03:30 P		31	18	1	7	6	1	3	12	1	0	0	0	5
64 7/15/2015 03:45 P 65 7/15/2015 04:00 P		29 58	14 17	0 2	9 10	2	0	2	9	0	0	0	0	4
66 7/15/2015 04:15 P	M 2	47	25	2	14	4	1	3	11	0	0	0	0	5
67 7/15/2015 04:30 P 68 7/15/2015 04:45 P		40 34	28 21	0	16 15	2 2	0	2	5 6	0	0	0	0	4 2
69 7/15/2015 05:00 P	M 1	46	16	1	15	4	0	4	8	1	0	0	1	3
7.0 7/15/2015 05:15 P 71 7/15/2015 05:30 P		39 29	26 14	0	11	1 0	0	1	7 9	1 0	0	0	0	2
72 7/15/2015 05:45 P		34	13	0	3	0	o o	3	9	0	G	0	0	5
73 7/15/2015 06:00 P 74 7/15/2015 06:15 P		32 33	16 21	1	5	0	1	1	6	0	0	0	0	2
75 7/15/2015 06:30 P		29	17	0	6	-	0	5	5 8	0	0	0	0	2
76 7/15/2015 06:45 P		32	10	0	4	1	0	2	12	0	0	0	0	0
77 7/15/2015 07:00 P 78 7/15/2015 07:15 P		32 20	8 10	0	2 5	2	0	1	6 11	0	0	1 0	0	0
79 7/15/2015 07:30 P	0 N	25	7	1	4	0	0	2	8	o	0	2	0	o
80 7/15/2015 07:45 P 81 7/15/2015 08:00 P		15 10	9	0	3 5	0	0	0	4	1	0	0	0	1
82 7/15/2015 08:15 P	vi 1	14	4	0	0	0	0	0	2	0	0	0	0	2
83 7/15/2015 08:30 P	V 0	9	7	0	2	0	0	1	4	0	0	0	0	0
84 7/15/2015 08:45 P 85 7/15/2015 09:00 P.		15 20	3 6	0	0 1	0	0	1	3 6	0	0	0	0	0
86 7/15/2015 09:15 P	0 h	9	7	1	2	0	0	0	3	0	0	2	0	0
87 7/15/2015 09:30 P 88 7/15/2015 09:45 P		9	5	0	2	0	0	1 0	7 2	0	0	1 0	0	0
89 7/15/2015 10:00 P	0 N	11		0	2	0	0	0	6	0	0	0	0	0
90 7/15/2015 10:15 P 91 7/15/2015 10:30 P		10	3	0	2	0	0	0	2	1 0	0	1 0	0	0
92 7/15/2015 10:45 Pi	/I 1	7	1	0	0	311	0	0	1	0	0	0	0	0
93 7/15/2015 11:00 Pi 94 7/15/2015 11:15 Pi		7 5	0	0	1	0	0	0	10	0	1	0	0	1
95 7/15/2015 11:30 PI	/ 1	6	4	0	1	0	0	0	2 7	0	0	0	0	2
96 7/15/2015 11:45 PI		A	2	0	2	O	0	0	7	0	0	D	0	0

EB
File Name: Z:INATHAN TUBES\2015\CO\8701 - HUDSON OIL & GAS TMC & ADT 7-2015\4CLASS\_TF2
Start Dine: 1715/2015
Start Time: 12:00:00 AM
Site Code: 4
Location 1: I-76 FRONTAGE RD E/O CO RD 43 1/2
Location 2: I-76 FRONTAGE RD E/O CO RD 43 1/2

	15.0	Cars &	2 Axie		2 Axie 6	3 Axis	4 Axte	45 Axl	5 Axie	>6 Ax1	<6 Axt	6 Axie	>6 Axi	Not
Number Date Time	Bkes	Trailers	Long	Buses	Tire	Single	Single	Double	Double	Double	Multi	Multi	Multi	Classed
1 7/15/2015 12:00 AM 2 7/15/2015 12:15 AM	0	0	0	0	0	0	0			0			0	0
3 7/15/2015 12:30 AM	0	0	ō	ō	ō	ő	è			0			0	0
4 7/15/2015 12:45 AM	0	0	0	0	0	0	0			0		0	0	0
5 7/15/2015 01:00 AM	0	0	0	0	0	0	0		3	0	1 7		0	0
6 7/15/2015 01:15 AM 7 7/15/2015 01:30 AM	0	0	0	0	0	0	0	: :	2 (5)	0	0	0	0	0
8 7/15/2015 01:45 AM	0	0	0	0	0	ő	c			0		0	ő	o
9 7/15/2015 02:00 AM	0	.0	0	0	0	0	0		9	0	0	0	0	0
10 7/15/2015 02:15 AM	0	0	0	0	0	0	0		9 (8)	0	0	0	0	0
11 7/15/2015 02:30 AM 12 7/15/2015 02:45 AM	0	0	0	0	0	0	0	:	2 (5)	0	0		0	0
13 7/15/2015 03:00 AM	0	ő	0	0	ő	Ġ	ő		1 8	. 0	0	0	0	0
14 7/15/2015 03:15 AM	0	1	0	0	٥	0	0			0	0	0	0	0
15 7/15/2015 03:30 AM	0	0	0	0	0	Ó	0			0	0	0	0	0
16 7/15/2015 03:45 AM 17 7/15/2015 04:00 AM	0	0	0	0	0	0	9			0	0	0	0	0
18 7/15/2015 04:15 AM	0	0	0	0	0	0	0		. 5	0	0	0	0	0
19 7/15/2015 04:30 AM	0	2	1	0	0	0	o		0 50	0	0	0	0	0
20 7/15/2015 04:45 AM	0	1	2	0	0	0	0			0	0	0	0	0
21 7/15/2015 05:00 AM 22 7/15/2015 05:15 AM	0	4	6	0	1 0	0	0	0	0	0	0	0	0	0
23 7/15/2015 05:30 AM	0	7	3	0	1	0	0	0		0	0	0	0	0
24 7/15/2015 05;45 AM	0	3	1	0	1	0	0		0.00	o.	o o	0	1	0
25 7/15/2015 06:00 AM	0	B	0	0	2	0	0		0	0	0	0	0	0
26 7/15/2015 06:15 AM 27 7/15/2015 06:30 AM	0	8	12	0	8	0	0			0	0	0	0	0
28 7/15/2015 06:45 AM	0	10	6	0	16 2	0	0	0	0	0	0	0	0	0
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30 7/15/2015 07:15 AM	0			0	3	0	0	0	. 0	0	0	0	0	0
31 7/15/2015 07:30 AM	0	3	2	0	0	a	0	1	0	0	0	0	0	0
32 7/15/2015 07:45 AM 33 7/15/2015 08:00 AM	0	2	2	0	2	0	0	0	2	0	0	0	0	0
34 7/15/2015 08:15 AM	0	0	1	0	4	0	0	0		0	ŏ	0	o o	0
35 7/15/2015 0B:30 AM	0	0	0	0	2	0	G	0	2	0	0	0	0	0
36 7/15/2015 08:45 AM	0	1	0	0	7	0	0	0	0	0	0	0	0	0
37 7/15/2015 09:00 AM 38 7/15/2015 09:15 AM	0	0	- 3	0	1 5	0	0	0	0	0	0	0	0	0
39 7/15/2015 09:30 AM	0	2	3	0	3	0	0	0	ő	0	0	0	0	0
40 7/15/2015 09:45 AM	0	1	1	0	0	0	0	0	0	0	0	0	0	0
41 7/15/2015 10:00 AM	0	1	1	0	0	0	0	1	2	0	0	0	0	0
42 7/15/2015 10:15 AM 43 7/15/2015 10:30 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	0
44 7/15/2015 10:45 AM	0	1	1	0	0	0	0	0	0	0	0	0	0	0
45 7/15/2015 11:00 AM	0	1	2	0	3	0	0	0	3	0	0	ŏ	0	0
46 7/15/2015 11:15 AM	0	0	2	0	2	0	0	0	0	0	0	0	0	0
47 7/15/2015 11:30 AM 48 7/15/2015 11:45 AM	0	8	(2	0	3	1	0	0	0	0	0	0	0	0
49 7/15/2015 11:45 AM 49 7/15/2015 12:00 PM	0	2	- 1	0	3	0	0	0	0	0	0	0	0	0
50 7/15/2015 12:15 PM	0	ō	2	0	ò	0	0	0	0	o o	0	ő	o	0
51 7/15/2015 12:30 PM	0	2	1	0	4	1	0	0	- 1	0	0	0	0	0
52 7/15/2015 12:45 PM 53 7/15/2015 01:00 PM	0	- 1	2	0	2	0	0	0	0	0	0	0	0	0
54 7/15/2015 01:00 PM	0	3	0	0	4	0	0	0	1	0	0	0	0	0
55 7/15/2015 01:30 PM	0	ō	0	o o	4	0	0	0		0	0	o o	0	0
56 7/15/2015 01:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 7/15/2015 02:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 7/15/2015 02:15 PM 59 7/15/2015 02:30 PM	0	0	2	0	0	0	0	0	0	0	0	0	0	2
60 7/15/2015 02:45 PM	0	1	0	0	ó	0	0	0	0	0	0	0	0	0
61 7/15/2015 03:00 PM	0	0	3	0	0	0	0	0	2	0	0	0	0	0
62 7/15/2015 03:15 PM	0	0	2	0	0	0	0	0	0	0	0	0	0	0
63 7/15/2015 03:30 PM 64 7/15/2015 03:45 PM	0	0	2	0	0	0	0	0	0	0	0	0	0	0
65 7/15/2015 04:00 PM	o	0	3	ő	o	D	0	0	0	0	ó	0	0	0
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68 7/15/2015 04:45 PM 69 7/15/2015 05:00 PM	0	9	0	0	0	0	0	0	0	0	0	0	0	0
70 7/15/2015 05:15 PM	0	0	0	o	3	0	0	o	0	0	0	ő	0	0
71 7/15/2015 05:30 PM	0	1	0	0	3	0	0	1	0	0	0	0	0	0
72 7/15/2015 05:45 PM 73 7/15/2015 06:00 PM	0			0	0	0	0	0	0	0	0	0	0	0
74 7/15/2015 06:00 PM 74 7/15/2015 06:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 7/15/2015 06:30 PM	ő	0	2	ő	o	0	0	0	0	0	o o	0	0	1
76 7/15/2015 06:45 PM	0	1	0	0	1	0	0	0	.0	0	0	0	0	0
77 7/15/2015 07:00 PM	0	0	0	0	0	0	0	0		0	0	0	0	0
78 7/15/2015 07:15 PM 79 7/15/2015 07:30 PM	0	0	2	0	0	0	0	0	. 0	0	0	0	0	0
80 7/15/2015 07:45 PM	0	1	o	0	0	0	0	0	0	0	0	0	0	0
81 7/15/2015 08:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 7/15/2015 08:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 7/15/2015 08:30 PM 84 7/15/2015 08:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 7/15/2015 09:00 PM	0	0	o	ő	ő	0	0	0	0	0	0	0	0	0
86 7/15/2015 09:15 PM	0	1	0	0	0	0	0	0	o	ő	o	0	o	0
87 7/15/2015 09:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 7/15/2015 09:45 PM 89 7/15/2015 10:00 PM	0	0 1	0	0	0	0	0	0	0	0	0	0	0	0
90 7/15/2015 10:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					141	1.00	,		,-4					

91 7/15/2015 1	I0:30 PM	0	0	0	0	D.	0	0	0	0	0	0	0	0	0
92 7/15/2015 1		0	0	0	0	0	0	o	ó	1	ő	ő	0	ő	0
93 7/15/2015 1		0	0	1	0	0	0	0	0	0	0	0	0	0	0
94 7/15/2015 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 7/15/2015 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 7/15/2015 1		0	0	0	0	3	0	0	0	0	0	0	0	0	0
97 7/16/2015 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 7/16/2015 1: 99 7/16/2015 1:		0	0	0	0	0	0	0	0	0	0	0	0	0	٥
100 7/16/2015 1:		o	0	0	0	0	0	0	0	0	0	0	0	0	0
101 7/16/2015 0		0	0	0	o	0	ő	ō	0	0	0	0	0	0	0
102 7/16/2015 0		0	o	o	o	o	ő	ő	ő	0	o	0	0	ŏ	0
103 7/16/2015 0		0	0	0	0	0	ō	0	0	0	ō	o	o	o	0
104 7/16/2015 0		0	0	0	0	o	o	ō	o	ō	o o	o .	0	ŏ	0
105 7/16/2015 03		0	0	0	0	0	6	0	0	0	0	0	0	0	0
106 7/16/2015 02		0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 7/16/2015 02		0	0	0	0	D	0	0	0	0	0	0	0	0	0
108 7/16/2015 02		0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 7/16/2015 03		0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 7/16/2015 03 111 7/16/2015 03		0	0	0	0	O	0	0	0	0	0	0	0	0	0
112 7/16/2015 03		0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 7/16/2015 04		õ	o	0	0	0	0	0	0	0	0	0	0	0	0
114 7/16/2015 04		0	o.	1	ö	0	o	0	0	0	Ö	0	0	0	o.
115 7/16/2015 04		0	4	2	0	o .	0	0	0	ō	0	0	0	0	0
116 7/16/2015 04		0	4	0	0	0	Ø.	ō	0	0	o .	0	Ö	Ö	0
117 7/16/2015 05	5:00 AM	0	3	1	0	0	0	0	0	0	0	0	0	0	0
118 7/16/2015 05		0	1	2	0	0	0	0	0	0	0	0	0	0	0
119 7/16/2015 05		0	2	0	0	2	0	0	0	6	0	0	0	0	0
120 7/16/2015 05		0	6	1		0	1	0	0	1	0	0	0	0	0
121 7/16/2015 06		0	2	5	0	0	0	0	0	0	0	0	6	0	0
122 7/16/2015 06 123 7/16/2015 06		0	4	2	0	1	0	0	0	0	0	0	0	3	0
124 7/16/2015 06		0	10	12 4	0	8	0	0	0	2	0	0	0	0	0
125 7/16/2015 07		0	2	1	0	1	0	0	0	1	0	0	0	0	0
126 7/16/2015 07		1	3	1	0	Ŷ	0	o	1	0	ŏ	0	0	0	o
127 7/16/2015 07		0	1	2	0	0	0	0	o .	1	0	0	0	0	0
128 7/16/2015 07	':45 AM	0	0	5	0	0	0	0	D		0	0	0	0	0
129 7/16/2015 08	8:00 AM	0	2	0	0	0	0	0	0	2	0	0	0	0	0
130 7/16/2015 08		0	1	4	0	0	0	0	1	0	1	0	0	0	0
131 7/16/2015 08		0	1	3	0	0	0	0	0	0	0	0	0	0	0
132 7/16/2015 08		0	1	1	0	1	0	0	0	0	0	0	0	0	0
133 7/16/2015 09		0	0	O	0	. 1	0	0		0	0	0	0	0	0
134 7/16/2015 09 135 7/16/2015 09		0	0	3	0	0	0	0	0	0	0	0	0	0	0
136 7/16/2015 09:		0	3	2	0	2	0	0	0	0	0	0	0	0	0
137 7/16/2015 10:		0	2	4	0	2	o o	0	2	0	0	0	0	0	0
138 7/16/2015 10:		0	0	3	0	4	0	0	0	0	0	0	0	o	0
139 7/16/2015 10:		0	1	1	0	4	0	0	0	1	0	0	0	0	2
140 7/16/2015 10:	:45 AM	0	0	2	0	2	0	0	0	0	0	0	0	0	0
141 7/16/2015 11:	MA 00:	0	0	1	0	0	0	0	0	0	0	0	0	0	0
142 7/16/2015 11:		0	2	5	0	3	0	0	2	1	0	0	0	0	0
143 7/16/2015 11:		0	1	2	0	1	0	0	1	0	0	0	0	0	0
144 7/16/2015 11:		0	3	3	0	20	1	0	1	1	0	0	0	0	0
145 7/16/2015 12:		0	0	3	0	2	0	0	0	0	G	0	0	0	0
146 7/16/2015 12:		0	3	1	0	1	0	0	0	0	0	0	0	0	0
147 7/16/2015 12: 148 7/16/2015 12:		0	2	4	0	1	0	0	0	0	0	0	0	0	0
149 7/16/2015 01:		0	1	2	0	4	0	0	0	0	0	0	0	0	0
150 7/16/2015 01:		0	0	ō	0	0	o	0	0	o	0	0	0	0	0
151 7/16/2015 01:		1	1	0	0	0	1	0	G	0	0	0	0	0	1
152 7/16/2015 01:	:45 PM	0	0	0	0	2	0	0	1	1	0	0	0	0	0
153 7/16/2015 02:		0	0	2	0	1	0	0	0	2	0	0	0	0	0
154 7/16/2015 02		0	4	0	0	3	0	0	0	0	0	0	0	0	0
155 7/16/2015 02:		0	2	0	0	0	0	0	0	0	ů.	0	0	0	0
156 7/16/2015 02: 157 7/16/2015 03:		0	1	1	0	1	0	0	0	0	0	0	0	0	0
158 7/16/2015 03:		0	0	2	0	0	0	0	0	0	0	0	0	0	0
159 7/16/2015 03:		0	0	1	0	0	0	0	0	1	0	0	0	0	0
160 7/16/2015 03:		o o	0	2	0	1	0	0	0	o	0	0	0	0	0
161 7/16/2015 04:		0	0	1	0	0	0	0	0	0	0	0	0	0	0
162 7/16/2015 04:	15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 7/16/2015 04:		a	0	Ð	0	0	0	0	1	0	0	0	0	0	0
164 7/16/2015 04:4		0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 7/16/2015 05: 166 7/16/2015 05:		0	0	1	0	0	0	0	0	0	0	0	0	0	0
167 7/16/2015 05:		2	0	0	0	0	0	0	0	0	0	0	0	0	0
168 7/16/2015 05:4		0	o	0	0	1	0	0	0	0	0	0	0	0	0
169 7/16/2015 06:0		6	0	1	0	0	0	0	0	0	0	0	0	0	0
170 7/16/2015 06:	15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 7/16/2015 06:3	30 PM	0	0	0	0	2	0	0	0	0	0	0	0	0	0
172 7/16/2015 06:4		0	0	0	0	0	0	0	0	0	0	0		0	0
173 7/16/2015 07:0		0	0	0	0	1	0	0	0	0	0	0	0	0	0
174 7/16/2015 07:		0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 7/16/2015 07:3		0	1	1	0	0	0	0	0	0	0	0	0	0	0
176 7/16/2015 07:4 177 7/16/2015 08:0		0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 7/16/2015 08:1		0	1	1	0	0	0	0	0	0	0	0	0	0	0
179 7/16/2015 08:3		õ		4	0	0	0	0	0	0	0	0	0	0	0
180 7/16/2015 08:4		0	o o	0	0	0	0	o	0	0	0	0	o o	0	0
181 7/16/2015 09:0	00 PM	0	ō	0	0	0	0	0	0	0	0	0	0	0	a
182 7/16/2015 09:1	15 PM	0	0	0	0	0	0	0	0	o	0	o .	0	0	0
183 7/16/2015 09 3	30 PM	0	0	0	0	0	0	0	0	0	0	0		0	0
184 7/16/2015 09:4		0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 7/16/2015 10:0		0	0	0	0	0	0	0	0	0	0	0			0
186 7/16/2015 10:1		0	0	0	0	0	0	0	0	0	0	0			0
187 7/16/2015 10:3 188 7/16/2015 10:4		0 0	3	1	0	0	0	0	0	0	0	0			0
189 7/16/2015 10:4		0	0	0	0	0	0	0	0	0	0	0		0	0
190 7/16/2015 11:1		0	0	0	0	0	0	0	0	0	0	0			0
191 7/16/2015 11:3		0	0	1	ō	0	0	0	0	0	0	o			0
192 7/16/2015 11:4		0	0	0	0	3	0	0	0	0	0	0		0	0

WB File Name: Z:\NATHAN TUBES\2	:015\CO\970	11 - HUDSO	ON OIL & G	AS TMC &	ADT 7-201	5\4CLASS 1	TF2							
Start Date: 7/15/2015 Start Time: 12:00:00 AM														
Site Code: 4														
Location 1: I-76 FRONTAGE RD Location 2: I-76 FRONTAGE RD														
ESCARON 2, 1-70   NON IMOL NO	DO COND	45 1/2												
Number Date Time	Bixes	Cors &	2 Axie Long	Buses	2 Axia 6 Tire	3 Axio Single	4 Axie Single	<5 Axi Double	5 Axie Double	>6 Axi Double	46 Axi Multi	6 Axie Multi	>6 Axd Multi	Not Classed
1 7/15/2015 12:00 AM	0	1	0	0	0	0	O O	0	0	0	0	0		0
2 7/15/2015 12:15 AM 3 7/15/2015 12:30 AM	0	0	0	0	0	0	0	0	0	0	0	0		0
4 7/15/2015 12:45 AM	ő	0	0	0	0	0	0	0	0	0	0	0	0	0
5 7/15/2015 01:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 7/15/2015 01:15 AM 7 7/15/2015 01:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 7/15/2015 01:45 AM	0	0	0	0	ö	0	ō	ō	0	Ö	ō	ő		ō
9 7/15/2015 02:00 AM 10 7/15/2015 02:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 7/15/2015 02:30 AM	0	0	ő	o	0	0	0	ő	0	0	0	0	0	0
12 7/15/2015 02:45 AM 13 7/15/2015 03:00 AM	0	0	0	0	0	0	0	0	0	0	0	Ó	0	0
14 7/15/2015 03:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 7/15/2015 03:30 AM	0	0	0	0	0	0	0	0	ĩ	0	0	0	o	o
16 7/15/2015 03:45 AM 17 7/15/2015 04:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 7/15/2015 04:15 AM	o	ő	ò	ő	0	0	0	0	0	0	0	0	0	0
19 7/15/2015 04:30 AM	0	6	1	0	0	0	0	0	0	0	0	0	0	0
20 7/15/2015 04:45 AM 21 7/15/2015 05:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 7/15/2015 05:15 AM	0	0	1	0	0	0	0	0	0	o	ō	ō	ō	ō
23 7/15/2015 05:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 7/15/2015 05:45 AM 25 7/15/2015 06:00 AM	0	0	1 0	0	0	0	0	0	0	C	0	0	G	0
26 7/15/2015 06:15 AM	0	0	1	0	0	0	0	0	0	0	0	0	O	0
27 7/15/2015 06:30 AM 28 7/15/2015 06:45 AM	0	3	1	0	3	0	0	0	0	0	0	0	0	0
29 7/15/2015 07:00 AM	0	- 9	0	0	1	0	0	ŏ	0	0	0	0	0	0
30 7/15/2015 07:15 AM	0	0	2	0	0	0	0	0	1	a	ů.	0	0	0
31 7/15/2015 07:30 AM 32 7/15/2015 07:45 AM	0	0	0	0	2	0	0	0	0	0	0	0	0	0
33 7/15/2015 08:00 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0
34 7/15/2015 08:15 AM 35 7/15/2015 08:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 7/15/2015 08:45 AM	0	1	0	o	1	0	0	o	1	ő	o.	0	o	0
37 7/15/2015 09:00 AM 38 7/15/2015 09:15 AM	0	1		0	. 1	0	0	0	0	0	0	0	0	0
39 7/15/2015 09:30 AM	0	3	0	0	3	0	0	0	1	0	0	0	0	0
40 7/15/2015 09:45 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	0
41 7/15/2015 10:00 AM 42 7/15/2015 10:15 AM	0	1	0 2	0	0	0	0	0	1	0	ò	٥	0	0
43 7/15/2015 10:30 AM	0	o	2	0	0	0	0	0	0	0	0	0	0	0
44 7/15/2015 10:45 AM	.0	0		0	2	1	0	0	1	0	0	0	0	0
45 7/15/2015 11:00 AM 46 7/15/2015 11:15 AM	0	2	2	0	3	0	0	0	0	0	0	0	0	0
47 7/15/2015 11:30 AM	0	2	1	0	6	0	0	0	0	0	0	0	0	0
48 7/15/2015 11:45 AM 49 7/15/2015 12:00 PM	0	1	2	0	1 3	0	0	0	3	0	0	0	0	0
50 7/15/2015 12:15 PM	0	0	2	0	0	0	0	0	0	0	0	0	0	0
51 7/15/2015 12:30 PM	0		0	0	7	0	0	0	0	0	0	0	0	0
52 7/15/2015 12:45 PM 53 7/15/2015 01:00 PM	0	0	0	0	3	0	0	0	2	0	0	0	0	0
54 7/15/2015 01:15 PM	o o	2	0	0	4	0	0	1	0	0	0	0	0	0
55 7/15/2015 01:30 PM 56 7/15/2015 01:45 PM	1 0	0	0	0	0	0	0	0		0	0	0	0	0
57 7/15/2015 02:00 PM	۵	0	0	0	0	0	0	0	0	0	0	0	0	0
58 7/15/2015 02:15 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	3
59 7/15/2015 02:30 PM 60 7/15/2015 02:45 PM	0	2	0	0	0	0	0	0	0	0	0	0	0	0
61 7/15/2015 03:00 PM	0	7	2	0	3	0	0	0	0	0	0	0	0	0
62 7/15/2015 03:15 PM 63 7/15/2015 03:30 PM	0	5	2 5	0	0 2	0	0	0	3 2	0	0	0	0	0
64 7/15/2015 03:45 PM	0	2	o	o	2	0	0	0	0	o	0	0	0	0
65 7/15/2015 04:00 PM 66 7/15/2015 04:15 PM	0	1	3	0	0	0	0	1	1	0	0	0	0	0
67 7/15/2015 04:15 PM	0	2	1	0	4	0	0	0	0	0	0	0	0	0
68 7/15/2015 04:45 PM	0	4	1	0	4	0	0	1	4	0	0	0	0	0
69 7/15/2015 05:00 PM 70 7/15/2015 05:15 PM	0	7 4	5 8	0	7	0	0	0	0	0	0	0	0	0
71 7/15/2015 05:30 PM	0	1	1	0	1	0	0	0	0	0	0	0	0	0
72 7/15/2015 05:45 PM	0	1	1	0	2	0	0	0	0	0	0	0	0	0
73 7/15/2015 06:00 PM 74 7/15/2015 06:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 7/15/2015 06:30 PM	0	3	1	0	2	0	0	1	0	0	0	0	0	0
76 7/15/2015 06:45 PM 77 7/15/2015 07:00 PM	0	3	1 2	0	0	0	0	0	0	0	0	0	0	0
78 7/15/2015 07:15 PM	0	0	ő	0	3	0	0	0	0	0	0	0	0	0
79 7/15/2015 07:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 7/15/2015 07:45 PM 81 7/15/2015 08:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 7/15/2015 08:15 PM	o	ö	o	0	ő	0	0	0	0	0	0	0	0	0
83 7/15/2015 08:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0
84 7/15/2015 08:45 PM 85 7/15/2015 09:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 7/15/2015 09:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 7/15/2015 09:30 PM 88 7/15/2015 09:45 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	0
89 7/15/2015 10:00 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0
90 7/15/2015 10:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 7/15/2015 10:30 PM	0	0	13	0	0	0	0	0	0	0	0	0	0	0

92 7/15/2015 10:45 PM	0	0	0	0	0	0	0	0	0					
93 7/15/2015 11:00 PM	0	0	0	ő	o	0	0	0	0	0	0	0	0	0
94 7/15/2015 11:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 7/15/2015 11:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 7/15/2015 11:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 7/16/2015 12:00 AM	0	0	1	0	0	0	.0	0	0	1	0	0	0	0
98 7/16/2015 12:15 AM 99 7/16/2015 12:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 7/16/2015 12:45 AM	0	0	0	0	0	0	0	0	0	Ü	.0	0	0	0
101 7/16/2015 01:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 7/16/2015 01:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 7/16/2015 01:30 AM	0	0	0	0	0	0	ŏ	0	0	0	0	0	0	0
104 7/16/2015 D1:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 7/16/2015 02:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 7/16/2015 02:15 AM	0	0	0	Ω	0	0	0	0	0	0	0	0	0	0
107 7/16/2015 02:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 7/16/2015 02:45 AM 109 7/16/2015 03:00 AM	0	0	٥	0	0	0	0	0	0	0	0	0	0	0
110 7/16/2015 03:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 7/16/2015 03:30 AM	0	0	0	0	ő	0	0	0	0	0	0	0	0	0
112 7/16/2015 03:45 AM	0	0	0	0	ő	0	ő	0	0	0	0	0	ő	0
113 7/16/2015 04:00 AM	0	0	.0	0	0	0	0	o	0	0	ő	o	o	o
114 7/16/2015 04:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 7/16/2015 04:30 AM	0	0	0	0	0	0	0	0	0	0	.0	0	0	0
116 7/16/2015 04:45 AM	0	5	3	0	0	0	0	0	0	0	D	0	0	0
117 7/16/2015 05:00 AM	.0	2	0	0	0	0	0	0	0	0	0	0	0	0
118 7/16/2015 05:15 AM 119 7/16/2015 05:30 AM	0	0	0	0	O	0	0	0	0	0	0	0	0	0
120 7/16/2015 05:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 7/16/2015 06:00 AM	ő	0	1	0	0	0	0	0	0	0	0	0	0	0
122 7/16/2015 06:15 AM	ő	1	0	ő	0	1	0	0	0	0	0	0	0	0
123 7/16/2015 06:30 AM	ő	ó	0	ĭ	0	o	0	0	0	0	o	0	0	0
124 7/16/2015 06:45 AM	o	ó	ő	ó	o	o	0	0	0	0	o o	0	0	0
125 7/16/2015 07:00 AM	0	1	1	0	0	0	D	0	1	o	ō	o	0	o
126 7/16/2015 07:15 AM	0	0	0	0	3	0	0	0	0	0	0	0	0	0
127 7/16/2015 07:30 AM	0	0	0	0	2	0	0	0	0	0	0	0	0	0
128 7/16/2015 07:45 AM	0	0	0	Q.	1	0	0	0	1	0	0	0	0	0
129 7/16/2015 08:00 AM	0	0	- 3	0	0	0	0	0	1	0	0	0	0	0
130 7/16/2015 08:15 AM	0	2	1	0	1	0	O	0	1	0	G	0	0	0
131 7/16/2015 08:30 AM 132 7/16/2015 08:45 AM	0	0	1	0	0	0	0	2		0	0	0	0	0
133 7/16/2015 09:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 7/16/2015 09:15 AM	0	1	ő	o.	3	0	0	0	1	0	0	0	0	0
135 7/16/2015 09:30 AM	0	1	1	0	o	0	0	o	- 1	0	0	0	0	0
136 7/16/2015 09:45 AM	0	0	0	0	0	1	0	0		0	0	0	0	0
137 7/16/2015 10:00 AM	0	3	1.	0	0	0	0	0	0	0	0	0	0	1
138 7/16/2015 10:15 AM	1	0	1	0	2	0	0	0	0	0	0	0	0	0
139 7/16/2015 10:30 AM	0	0		1	15	0	0	2	1	0	0	0	0	0
140 7/16/2015 10:45 AM	0	1	0	0	3	0	0	0	0	0	0	0	0	0
141 7/16/2015 11:00 AM 142 7/16/2015 11:15 AM	0	0	10	0	1	. 1	0	0	0	0	0	0	0	0
142 7/16/2015 11:15 AM 143 7/16/2015 11:30 AM	0	ħ	2	0	2	0	0	0	0	0	0	0	0	0
144 7/16/2015 11:30 AM	0	0	0	0	0	0	0	0	. 3	0	0	0	0	0
145 7/16/2015 12:00 PM	0	4	1	0	3	0	0		0	0	0	0	0	0
146 7/16/2015 12:15 PM	o	2	î.	0	3	o	0	0	1	0	0	0	0	0
147 7/16/2015 12:30 PM	0	1	0	0	3	0	0	1	o	0	0	o	o	0
148 7/16/2015 12:45 PM	0	0	2	0	0	0	0	O	0	0	0	0	0	0
149 7/16/2015 01:00 PM	0	1	2	0	0	0	0	2	0	0	0	0	0	0
150 7/16/2015 01:15 PM	0	2	3	0	2	0	0	0	0	0	0	G	0	1
151 7/16/2015 01:30 PM	0	2	2	0	0	0	0	0	2	0	0	0	0	0
152 7/16/2015 01:45 PM 153 7/16/2015 02:00 PM	0	0	3	0	0	0	0	0	0	0	0	0	o	0
154 7/16/2015 02:15 PM	0	0	2	0	2	0	0	0	0	0	0	0	0	0
155 7/16/2015 02:30 PM	0	6	-1	0	6	1	ŏ	0	2	0	0	0	0	0
156 7/16/2015 02:45 PM	0	2	0	0	2	1	o	0	0	0	0	0	0	0
157 7/16/2015 03:00 PM	0	9	6	0	3	0	0	0	0	0	0	0	0	0
158 7/16/2015 03:15 PM	0	1	2	0	0	0	0	0	0	0	0	0	0	0
159 7/16/2015 03:30 PM	0	2	4	0	3	0	0	0	0	0	0	0	0	0
160 7/16/2015 03:45 PM	0	1	3	0	0	0	0	0	0	0	0	0	0	0
161 7/16/2015 04:00 PM	0	5	6	0	6	0	0	0	1	0	O	0	0	0
162 7/16/2015 04:15 PM 163 7/16/2015 04:30 PM	0	1	3	0	8	0	0	0	0	0	0	0	0	0
164 7/16/2015 04:35 PM	0	1	0	0	2	0	0	0	1	0	0	0	0	0
165 7/16/2015 05:00 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0
166 7/16/2015 05:15 PM	0	1	1	0	2	0	0	1	0	0	0	0	0	0
167 7/16/2015 05:30 PM	0	0	1	0	0	0	0	0	0	0	0	0	0	0
168 7/16/2015 05:45 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0
169 7/16/2015 06:00 PM	0	2	1	0	0	0	0	0	0	0	0	0	0	0
170 7/16/2015 06:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 7/16/2015 06:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0
172 7/16/2015 06:45 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0
173 7/16/2015 07:00 PM 174 7/16/2015 07:15 PM	0	1 10	3	0	0	0	0	0	0	0	0	0	0	0
175 7/16/2015 07:30 PM	0	3	1	0	0	0	0	0	0	0	0	0	0	0
176 7/16/2015 07:45 PM	o	0		0	o	0	0	0	0	o	0	0	0	0
177 7/16/2015 08:00 PM	0	0	39	0	0	0	ő	0	0	0	0	0	0	0
178 7/16/2015 08:15 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0
179 7/16/2015 08:30 PM	0	1	1	0	1	0	0	0	0	0	0	0	0	0
180 7/16/2015 08:45 PM	0	0	0	0	0	0	0	0	0	C	0	0	0	0
181 7/16/2015 09:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 7/16/2015 09:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 7/16/2015 09:30 PM	0	0	1	0	0	0	0	0	.0	0	0	0	0	0
184 7/16/2015 09:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 7/16/2015 10:00 PM 186 7/16/2015 10:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 7/16/2015 10:15 PM	o	0	0	0	0	0	0	0	0	0	0	0	0	0
188 7/16/2015 10:45 PM	ő	i	0	ő	0	0	0	0	0	0	0	0	0	0
189 7/16/2015 11:00 PM	0	0	0	0	0	o	0	0	0	0	0	0	0	0
190 7/16/2015 11:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 7/16/2015 11:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 7/16/2015 11:45 PM	0	0	0	0	0	0	D	0	0	0	0	0	0	0

AM Peak Hour

Location 1: HWY 52 N/O I-76 FRONTAGE RD Location 2: HWY 52 N/O I-76 FRONTAGE RD

SEB

		Cars &			2 Axle 6	3 Axle	4 Axle	<5 Axí	5 Axie	>6 Axl	c6 Axd	5 Axle	>6 Axl	Not
	Bikes	Trailers	Long	Buses	Tire	Single	Single	Double	Double	Double	Multi	Multi	Multi	Classed
29 7/16/2015 07:00 AM	٥	17	12	H	9	0	0	**	m	0	o	c		
30 7/16/2015 07:15 AM	0	31	11	7	9	1	0	m	2	0		0		
31 7/16/2015 07:30 AM	4	20	10	7	00	4	0	H	w	0		) C	0 0	
32 7/16/2015 07:45 AM	e#	23	ιń	2	σ	Н	0	2	en	0	0	0	0	
Total	S	16	38	vi	29	Ψ	0	7	Ħ	0	0	٥	0	17
	# of HV	9												
	Total Veh	211												
	HV%	0.28436												

Location 1: HWY 52 s/O I-76 FRONTAGE RD Location 2: HWY 52 s/O I-76 FRONTAGE RD

NWB

		Cars	2 Axie	00000	2 Axle 6	3.Axle	4 Axle	C5 Axl	5 Axle	>6 Axl	c6 Axl	6 Axfe	>5 Ax	Not
	Bikes	Trailers	Long	Buses	Tire	Single	Single	Double	Double	Double		Multi	Multi	Classed
29 7/15/2015 07:00 AM	1	22	11	٥	10	o	0	2	3	0	0	0	0	
30 7/15/2015 07:15 AM	П	17	7	80	4	0	0	0	ľ	0	0	0	0	
31 7/15/2015 07:30 AM	0	19	10	-	00	1	0	va.	4	0	0	0	0	
32 7/15/2015 07:45 AM	0	26	12	0	4	1	0	v	₽	0	0	0	0	. `
Total	74	84	4	4	22	2	0	12	13	0	0	0	0	12
# of HV	53													
Total Veh	191													
HV%	0.277487													

Location 1: HWY 52 N/O I-76 FRONTAGE RD Location 2: HWY 52 N/O I-76 FRONTAGE RD

SEB

Bikes   Trailers   Long   Buses   Tire   Single   Single   Double   Double   Double   Multi   Multi   Column   Column			Cars &	2 Axle		2 Axle 6	3 Axle	4 Axle	<5.Axi	5 Axie	>6 Axt	<6.AxI	6 Axle	>6.4%	NON
# 0 18 14 0 6 1 0 2 3 1 0 0 0 # 30 11 0 5 1 0 2 8 0 0 0 0 # 0 12 7 0 9 3 0 1 1 1 0 0 0 # of HV 64 # N3 030622		Bikes	Trailers	Long	Buses	Tire	Single	Single	Double	Double	Double	Multi	Multi	Multi	Classad
# 4 30 11 0 5 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7/16/2015 11:15 AM	٥	18	14	0	۵	-1	0	N		+	0	-		
# 0 12 7 0 9 3 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	47 7/16/2015 11:30 AM	4	30	11	0	S	**	0	2	60	0	0	0		
1 0 21 17 1 7 3 0 3 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	48 7/16/2015 11:45 AM	0	12	7	0	6	m	0	#	**	i e	0	0	0	
4 81 49 1 27 8 0 8 18 2 0 0 0 0 8 # of HV 64 Total Veh 209 HV% 0.30622	9 7/16/2015 12:00 PM	0		17	#	7	m	0	o	9	0	0	0	0	0
0.30	Total	4	81	49	H		80	0	60			٥	0	0	et
0:30		# of HV	64												
		Total Veh	209												
		MV%	0.30622												

Location 1: HWY 52 S/O I-76 FRONTAGE RD Location 2: HWY 52 S/O I-76 FRONTAGE RD

NWB

		Cars &	2 Axie		2 Axle 6	3 Axle	4 Axle	-CS AXI	S.Axle	>6 Axl	c6 Axd		>6 Ax	Not
	Bikes	Trailers Long	Buch	Buses	Tire	Single	Single	Double	Double	Double	Multi	Multi	Multi	Classed
46 7/15/2015 11:15 AM	0	16	N)	0	2	2	0	0	3	0	0	0	0	10
47 7/15/2015 11:30 AM	1	24	15	0	4	0	0	്ഥ	↔	0	0	0	0	9
48 7/15/2015 11:45 AM	0	23	13	H	603	0	0	7	2	<b>←</b> 1	0	0	0	L L
49 7/15/2015 12:00 PM	7	19	13	0	7	Ŧ	0	2	2	0	0	0	0	4
Total	m	82	46	-	27	m	0	14	00	÷	0	0	0	25
W of HV	48													
Total Veh	204													
MA%	0.235294													

Location 1: HWY 52 N/O I-76 FRONTAGE RD Location 2: HWY 52 N/O I-76 FRONTAGE RD

SEB

	0	Cars	2 Axle		2 Axle 6	3 Axle	4 Axie	<5 Ax	5 Axle	>6 Axi	<6 Av	6.4vin	16.66	Ner
	Bikes	Trailers Long	Suon	Buses	Tire	Single	Single		Double	Double	Multi	Molt	Mante	Theread.
66 7/16/2015 04:15 PM	ı	37	24	0	133	1	0	2	60	,			C C	Cidootta
67 7/16/2015 04:30 PM	m	34	20	m	9	ľ	₩		) m		0 0	0 0	9 6	
68 7/16/2015 04:45 PM	1	34	17		7	1	0	2	ı vc	-		5 6	9 6	
69 7/16/2015 05:00 PM	H	27	15	0	12	2	0	2	m	1 -1	0	0	0 0	
Total	9	132	99	4	38	en	***	7	20	4	0		0	
	# of HV	83										į.		
	Total Veh	294												
	76/\11	0 200010												

Location 1: HWY 52 s/O I-76 FRONTAGE RD Location 2: HWY 52 s/O I-76 FRONTAGE RD

NWB

		Cars	2 Axle		2 Axle 6	3 Axfe	4 Axie	<5.Axd	5 Axle	>6 Avd	c6 Axd	6 Axle	>5 Axl	Not
	Bikes	Trailers	Tong	Buses	Tire	Single	Single	Double	Double	Double	Multi	Multi	Multi	Classed
66 7/15/2015 04:15 PM	2	22	17	0	4	0	0	2	2	0	0	0	0	
67 7/15/2015 04:30 PM	1	25	11	0	60	2	0	н	m	0	0	0	C	. 42
68 7/15/2015 04:45 PM	1	25	17	0	O	0	0	₽	+	0	0	0		e. er
69 7/15/2015 05:00 PM	m	37	13	0	σ	Н	0	0	1	0	0	0	0	
Total	7	109	85	0	30	m	0	4	7	0	0	0	0	19
# of HV														
Total Veh	237													

November 18, 2015 Ms. Patty Varra Page 10

Appendix B – Trip Generation Tables

Intersection		V.W.		VIII C	in i				î.		: 13/21 (CO)H	Ž.
Int Delay, s/veh	4.5											_
Movement	SEL	SET		DOM:		NWT	NWR	S	WL	SWR		
Vol, veh/h	41	177				169	19		105	56		
Conflicting Peds, #/hr	0	0				0	0		0	0		
Sign Control	Free	Free				Free	Free	S	top	Stop		
RT Channelized	E.	None				-	None		12/	None		
Storage Length	18	-				-			0	775		
Veh in Median Storage, #	(2)	0				0	-		0	( <u>\$</u>		
Grade, %	14	0				0			0	1/2		
Peak Hour Factor	85	85				85	85		85	85		
Heavy Vehicles, %	28	28				28	28		28	28		
Mvmt Flow	48	208				199	22		124	66		
Major/Minor	Major1		9 3,0	WA.	-	Major2		Min	or2	at interior	W 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Conflicting Flow All	221	0					0		515	210		
Stage 1	(#.	*				(#)	-	2	210	J#5		
Stage 2	:*:					)美:	=	3	305			
Critical Hdwy	4.38	*				136		6	.68	6.48		
Critical Hdwy Stg 1	: <del>*</del> :	-				540	- 5		.68	-		
Critical Hdwy Stg 2	:=:	-				(4)	¥		.68	-		
ollow-up Hdwy	2.452	-				-	*	3.7		3.552		
Pot Cap-1 Maneuver	1209	*				-	¥		77	769		
Stage 1	360					940	*		67	(2)		
Stage 2	-	-					¥		92	348		
Platoon blocked, %							1 8					
Nov Cap-1 Maneuver	1209	-				-		4	56	769		
Nov Cap-2 Maneuver									56	-0		
Stage 1		-				-	-		67	F29		
Stage 2	-	-					2		61			
- vg									V I			
pproach	SE	-4 2	N. H.L.	800	13	NW		nev ye	SW	UWES.	-17 SWCV	
ICM Control Delay, s	1.5					0			3.8			
ICM LOS									В			
									9			
finor Lane/Major Mvmt	NWT	NWR	SEL	SETS	WLn19	SWLn2	AS TANK	Jan (19 <sup>1</sup> 1)		ux , Stud		
apacity (veh/h)	-		1209	-	456	769			-			
CM Lane V/C Ratio		1	0.04			0.086						
CM Control Delay (s)	-	-	8.1	0	15.8	10.1						
CM Lane LOS	B:	-	A	A	C	В						
CM 95th %tile Q(veh)		- 53	$\overline{}$	$\overline{}$	U	U						

Intersection	V - 25	500	10,000	5 10 11			1 . 30	Y III TAYAC		A TOTAL
Int Delay, s/veh	4.7									
Movement	SEL	SET		BUFF	WY II	NWT	NWR	SWL	SWR	
Vol, veh/h	40	159				175	11	128	45	
Conflicting Peds, #/hr	0	0				0	0	0	0	
Sign Control	Free	Free				Free	Free	Stop	Stop	
RT Channelized	-	None				-	None	-	None	
Storage Length	-	-				-	-	0	775	
Veh in Median Storage, #	-	0				0	-	0		
Grade, %		0				0	-	0		
Peak Hour Factor	95	95				95	95	95	95	
Heavy Vehicles, %	31	31				24	24	24	31	
Mvmt Flow	42	167				184	12	135	47	
Major/Minor	Major1		120	ALC: N	NY S	Major2	THE CO.	Minor2		
Conflicting Flow All	196	0				(4)	0	442	190	
Stage 1		ją.				-	_	190	A THE STATE OF THE	
Stage 2		- " =				-	-	252	120	
Critical Hdwy	4.41					121	-	6.64	6.51	
Critical Hdwy Stg 1	(4)					121	-	5.64		
Critical Hdwy Stg 2	(#)	2				120	_	5.64	_	
follow-up Hdwy	2.479						-	3.716	3.579	
ot Cap-1 Maneuver	1221	2				12	-	534	783	
Stage 1		26				- 2	-	792	-	
Stage 2		£				2		741	-	
Platoon blocked, %						-	-			
Nov Cap-1 Maneuver	1221	*				2	-	514	783	
Nov Cap-2 Maneuver		- 6					200	514	77	
Stage 1	-	145				2	-	792		
Stage 2								713		
pproach	SE		Sur Sp	ell I	39.4	NW		SW		
ICM Control Delay, s	1.6					0		13.3		
ICM LOS								В		
linor Lane/Major Mvmt	TWN	NWR	SEL	SETS	SWLn18	SWLn2	150	en ew.	THE STATE OF	
apacity (veh/h)		•	1221			783				
ICM Lane V/C Ratio	5		0.034	-	0.262	0.06				
CM Control Delay (s)	5		8.1	0	14.5	9.9				
CM Lane LOS	Ē.		Α	Α	В	Α				
CM 95th %tile Q(veh)	*		0.1			0.2				

Intersection			11 .1		au (V	11	W. J. P. W.	Charles III	all Carlot
Int Delay, s/veh	4.3								
Movement	SEL	SET	7		NWT	NWR	SWL	SWR	
Vol, veh/h	21	237			225	9	137	59	
Conflicting Peds, #/hr	0	0			0	0	0	0	
Sign Control	Free	Free			Free	Free	Stop	Stop	
RT Channelized	-	None			-	None	120	None	
Storage Length	-	-			-		0	775	
Veh in Median Storage, #	-	0			0	-	0	140	
Grade, %	-	0			0	-	0		
Peak Hour Factor	96	96			96	96	96	96	
Heavy Vehicles, %	28	28			19	19	19	28	
Mvmt Flow	22	247			234	9	143	61	
Major/Minor	Major1	State In	r Tr	West !	Major2	(0, N) = 1	Minor2		at this exist
Conflicting Flow All	244	0			(40)	0	530	239	
Stage 1	(*)	H				±	239	141	
Stage 2	340	-			340	-	291	2:	
Critical Hdwy	4.38				(4)	4	6.59	6.48	
Critical Hdwy Stg 1		+			(a)		5.59	=	
Critical Hdwy Stg 2		*			(2)	4	5.59	· ·	
follow-up Hdwy	2.452				140	-	3.671	3.552	
ot Cap-1 Maneuver	1184	•			· ·	-	481	740	
Stage 1		1.40			- 1	- 2	762	-	
Stage 2		920			-	=	721	2	
Platoon blocked, %		12			12				
Mov Cap-1 Maneuver	1184	200			-	2	470	740	
Mov Cap-2 Maneuver	4	(4)			-	-	470		
Stage 1	¥				14	4	762	2	
Stage 2	2	(#)			- 4	- E	705	2	
Approach	SE	UNIX ELY	SEL M	10	NW	No lie	SW	WAS BUILDING	17- 74%
ICM Control Delay, s	0.7				0		14.3		
ICM LOS							В		
linor Lane/Major Mymt	NWT	NWR SE	SET	SWLn1	SWLn2	3,5,381	VII. 81, 1 - 97		Q I de I ve
Capacity (veh/h)	7.	- 118							
ICM Lane V/C Ratio		- 0.01			0.083				
ICM Control Delay (s)		- 8.			10.3				
ICM Lane LOS				C	В				
ICM 95th %tile Q(veh)		<b>-</b> 0.			0.3				

Intersection		H.			-	della	× 1,24	THE WAY A		Sulke pr
Int Delay, s/veh	10									
Movement	SEL	SET		Lww		NWT	NWR	SWL	SWR	
Vol, veh/h	166	177				169	55	155	121	
Conflicting Peds, #/hr	0	0				0	0	0	0	
Sign Control	Free	Free				Free	Free	Stop	Stop	
RT Channelized	-	None				-	None	-	None	
Storage Length		-				-	-	0	775	
Veh in Median Storage, #	-	0				0	-	0		
Grade, %	-	0				0	-	0		
Peak Hour Factor	92	92				92	92	92	92	
Heavy Vehicles, %	30	30				30	30	30	30	
Mvmt Flow	180	192				184	60	168	132	
	,,,,						30	100	102	
Major/Minor	Major1		- X = 11	- 90	No.	Major2		Minor2	Section 1	A-79.55
Conflicting Flow All	243	0					0	767	214	
Stage 1	-	-				140	-	214	S=3///	
Stage 2	*	796						553	-	
Critical Hdwy	4.4	1000				*	£	6.7	6.5	
Critical Hdwy Stg 1		190				-		5.7	0.0	
Critical Hdwy Stg 2		745					161	5.7	-	
Follow-up Hdwy	2.47						- 1	3.77	3.57	
Pot Cap-1 Maneuver	1176					-	-	333	760	
Stage 1	-	141				2	(20)	760	700	
Stage 2		1=1				-		524	2	
Platoon blocked, %		-						02-1		
Mov Cap-1 Maneuver	1176	-					923	276	760	
Mov Cap-2 Maneuver	1170					_	-	276	700	
Stage 1	-					-	-	760	=	
Stage 2							251	434		
Olugo Z								434		
Approach	SE	5	JUE	04 J. J.	F	NW	(Car 10)	SW		3 - 4 - 7
HCM Control Delay, s	4.2					0		25.2		
HCM LOS						-		D		
10111 200										
Minor Lane/Major Mvmt	NWT	NWR	SEL	SETS	WLn1	SWLn2	(12)	10 0 00 100	as i yearly a	NUMBER OF STREET
Capacity (veh/h)	-		1176	- Cortantina	276	760				
ICM Lane V/C Ratio	n.e.		0.153	-		0.173				
ICM Control Delay (s)		-	8.6	0	36.5	10.7				
ICM Lane LOS	100		A	A	E	В				
ICM 95th %tile Q(veh)	VAS		0.5	-	3.7	0.6				

Intersection					, Ei		-			CANDO DE		TAX ST	1000
	.9												
Movement	SEL	SET	8.0		ðú.	NWT	NWR		SWL	SW	R	48 T S.	4
Vol, veh/h	137	159				175	45		176	13	6		
Conflicting Peds, #/hr	0	0				0	0		0		0		
Sign Control	Free	Free				Free	Free		Stop	Sto	р		
RT Channelized	-	None				-	None		-	Nor			
Storage Length						-			0	77	5		
Veh in Median Storage, #	_	0				0	-		0		-		
Grade, %		0				0	-		0		-		
Peak Hour Factor	92	92				92	92		92	ç	2		
Heavy Vehicles, %	30	30				30	30		30		0		
Mvmt Flow	149	173				190	49		191	14			
Major/Minor	Major1	Same of the	11.3		0.0	Major2	8///55	Mi	inor2	er in Am	47/11	3 300	50
Conflicting Flow All	239	0					0		686	21	5		
Stage 1	-	-					160		215				
Stage 2	-						(A.E.)		471		4		
Critical Hdwy	4.4	(+:				:	( <b>a</b> c		6.7	6.	5		
Critical Hdwy Stg 1	-					-	7.6		5.7				
Critical Hdwy Stg 2	_	26				14	1021		5.7		-		
Follow-up Hdwy	2.47	186				- 14	(4)		3.77	3.5	7		
Pot Cap-1 Maneuver	1180	(*)					721		373	75			
Stage 1						- 2	-		759				
Stage 2		10 <b>4</b> 3				-	ra:		574		-		
Platoon blocked, %		; <b>≆</b> )				-	74						
Mov Cap-1 Maneuver	1180	1941					- 4:		321	75	9		
Mov Cap-2 Maneuver	-	)#i				4			321		-		
Stage 1		S#3				2	.25		759		12		
Stage 2							:4:		494				
olugo z									101				
Approach	SE			J. 2 1.8 1	WC	NW		L EVIX	SW	Wall (	SIA.	-0.50	1111
HCM Control Delay, s	3.9					0			22.5				
HCM LOS						Ţ.			С				
//inor Lane/Major Mvmt	NWT			SETSWL	22311111111	ILLER CO. ILLER CO.	No. of the		1389	N. W.	A 10 31	5 18 18 5	
Capacity (veh/h)	1.5	- 11			321	759							
HCM Lane V/C Ratio		- 0.1				0.195							
HCM Control Delay (s)	15		.5	0 3	1.5	10.9							
ICM Lane LOS	//=:	120	Α	Α	D	В							
ICM 95th %tile Q(veh)		120	.4	-	3.6	0.7							

Intersection Int Delay, s/veh	0.0			0.50		COLUMN TO SERVICE	200
int Delay, s/ven	8.8						
Movement	SEL	SET	NWT	NWR	SWL	SWR	
Vol, veh/h	86	237	225	44	180	177	
Conflicting Peds, #/hr	0	0	0	0	0	0	
Sign Control	Free	Free	Free	Free	Stop	Stop	
RT Channelized	-	None		None		None	
Storage Length	-	-		-	0	775	
Veh in Median Storage, #	-	0	0	-	0	20	
Grade, %	-	0	0		0	- 41	
Peak Hour Factor	92	92	92	92	92	92	
Heavy Vehicles, %	27	27	27	27	27	27	
Mvmt Flow	93	258	245	48	196	192	
Major/Minor	Major1	WHAT A SE	Major2		Minor2		41.10
Conflicting Flow All	292	0	14	0	713	268	
Stage 1	:=)	*	iii	=	268	=	
Stage 2		¥		-	445		
Critical Hdwy	4.37	#		24	6.67	6.47	
Critical Hdwy Stg 1	**	-	3		5.67		
Critical Hdwy Stg 2	14	-	2	¥	5.67	-	
Follow-up Hdwy	2.443			114	3.743	3.543	
Pot Cap-1 Maneuver	1140	-	-	₹	363	714	
Stage 1	-	(F)	- L	74	723	55 7 215 7	
Stage 2		Gr.	9	700	596	1-2	
Platoon blocked, %		160		2 W			
Mov Cap-1 Maneuver	1140	343	¥	N#	329	714	
Nov Cap-2 Maneuver	¥	(A)		- 00	329		
Stage 1		ilė:	¥	826	723	_	
Stage 2	×			22	539		
pproach	SE		NW	JEST	SW		They will a
ICM Control Delay, s	2.2		0		21.4		
ICM LOS					C		
W. The state of th		Mary Day of the last					
/linor Lane/Major Mvmt	NWT		SETSWLn1SWLn2		Server from S		
Capacity (veh/h)	•	- 1140	- 329 714				
ICM Lane V/C Ratio		- 0.082	- 0.595 0.269				
ICM Control Delay (s)		- 8.4	0 30.8 11.9				
ICM Lane LOS		- A	A D B				
ICM 95th %tile Q(veh)		- 0.3	3.6 1.1				

Intersection	Market Land			- Falls	e e e e			
Int Delay, s/veh	9							
	im							
Movement	SEL	SET	110 - 30	NWT	NWR	SWL	SWR	N. 11.1-N
Vol, veh/h	166	177		169	55	155	121	
Conflicting Peds, #/hr	0	0		0	0	0	0	
Sign Control	Free	Free		Free	Free	Stop	Stop	
RT Channelized	-			-	None	Otop	None	
Storage Length	250				250	0	775	
Veh in Median Storage, #	-	0		0	-	0		
Grade, %	-	0		0		0		
Peak Hour Factor	92	92		92	92	92	92	
Heavy Vehicles, %	30	30		30	30	30	30	
Mvmt Flow	180	192		184	60	168	132	
		1500		101		100	102	
Major/Minor	Major1	USS" 2 P	A TOTAL TUR	Major2		Minor2	E still to man to	V7 (1 =
Conflicting Flow All	184	0		Major.	0	737	184	
Stage 1	104	-			Ū	184	104	
Stage 2						553		
Critical Hdwy	4.4				-	6.7	6.5	
Critical Hdwy Stg 1				-		5.7	0,0	
Critical Hdwy Stg 2				7.0		5.7	-	
Follow-up Hdwy	2.47			-		3.77	3.57	
Pot Cap-1 Maneuver	1239	_		-	-	348	791	
Stage 1	1200			1,000		785	-	
Stage 2		-				524		
Platoon blocked, %				-		UZ-T		
Mov Cap-1 Maneuver	1239			-		297	791	
Mov Cap-2 Maneuver	1200					297	701	
Stage 1	:*:				-	785		
Stage 2		-1.7			-	448		
51195						770		
Approach	SE			NW	DEC. Y	SW		
ICM Control Delay, s	4.1			0		22.5		
ICM LOS						C		
/linor Lane/Major Mvmt	NWT	NWR SEL			1000			10 years
Capacity (veh/h)	2	- 1239						
ICM Lane V/C Ratio	2	- 0.146						
ICM Control Delay (s)	室	8.4						
ICM Lane LOS	2	- A						
ICM 95th %tile Q(veh)	<u> </u>	- 0.5	- 3.3	3 0.6				

Intersection	751 32		'Til Sandi			WW. 15		10.30
Int Delay, s/veh	9.2							
Movement	SEL	SET		NWT	NWR	SWL	SWR	
Vol, veh/h	137	159		175	45	176	136	
Conflicting Peds, #/hr	0	0		0	0	0	0	
Sign Control	Free	Free		Free	Free	Stop	Stop	
RT Channelized	-	None		849	None	( <u>#</u> )	None	
Storage Length	250	2.5			250	0	775	
Veh in Median Storage, #		0		0	-	0		
Grade, %		0		0	-	0		
Peak Hour Factor	92	92		92	92	92	92	
Heavy Vehicles, %	30	30		30	30	30	30	
Nvmt Flow	149	173		190	49	191	148	
Major/Minor	Major1	July mile		Major2		Minor2	The State of the	350-774
Conflicting Flow All	190	0		-	0	661	190	
Stage 1				;₩);	+	190	(#)	
Stage 2				(#)	-	471	141	
Critical Hdwy	4.4			:-		6.7	6.5	
Critical Hdwy Stg 1					-	5.7	-	
Critical Hdwy Stg 2		( e-		-		5.7	541	
ollow-up Hdwy	2.47					3.77	3.57	
ot Cap-1 Maneuver	1232	0,00		-	(+:	387	785	
Stage 1	-			-	:(€:	779	4	
Stage 2		( <b>*</b> :		*	((e)	574		
latoon blocked, %				-	790			
lov Cap-1 Maneuver	1232	(#)		-	545	340	785	
lov Cap-2 Maneuver	-			-		340		
Stage 1	-			-	0=0	779	-	
Stage 2		•			761	505		
pproach	SE		- 14 July 1	NW	N. V. SS	SW		Your Pro
CM Control Delay, s	3.9			0		20.6		
CM LOS						С		
linor Lane/Major Mvmt	NWT	NWR SEL	SETSWLn1	SWLn2	t sut			
apacity (veh/h)		- 1232	- 340	785				
CM Lane V/C Ratio	18	- 0.121	- 0.563	0.188				
CM Control Delay (s)		- 8.3	- 28.4	10.6				
CM Lane LOS	*	- A	- D					
CM 95th %tile Q(veh)	- 1	- 0.4	- 3.3					

Internation				W				
Intersection Int Delay, s/veh	8.2				(L., 100)		Man - Jack Stant	- 15-111
int Delay, Siveri	0.2							
Movement	SEL	SET	1000	NWT	NWR	SWL	SWR	
Vol, veh/h	86	237		225	44	180	177	
Conflicting Peds, #/hr	0	0		0	0	0	0	
Sign Control	Free	Free		Free	Free	Stop	Stop	
RT Channelized	-	None		-	None		None	
Storage Length	250			-	250	0	775	
Veh in Median Storage, #	-	0		0	-	0	:10	
Grade, %	-	0		0	1.4	0		
Peak Hour Factor	92	92		92	92	92	92	
Heavy Vehicles, %	27	27		27	27	27	27	
Mvmt Flow	93	258		245	48	196	192	
Major/Minor	Major1	Se the View	KARAL V	/lajor2		Minor2		Roll
Conflicting Flow All	245	0			0	690	245	
Stage 1				(#.)	-	245	2*:	
Stage 2				)#:	-	445		
Critical Hdwy	4.37			19 <del>±</del> 3	-	6.67	6.47	
Critical Hdwy Stg 1	200	-		59.0		5.67		
Critical Hdwy Stg 2		-		(*)	-	5.67	343	
Follow-up Hdwy	2.443			:00	- × ×	3.743	3.543	
Pot Cap-1 Maneuver	1188			( <del>#</del> 3)	*	375	736	
Stage 1		-		*	*.	741	141	
Stage 2	3	#:			*	596	; <del>=</del> 0	
Platoon blocked, %		1 2 -		(8)				
Mov Cap-1 Maneuver	1188	₹.		:::	-	346	736	
Mov Cap-2 Maneuver	18					346	-	
Stage 1		5.		18	-	741	5 <b>₩</b> 91	
Stage 2		*				549		
				20000				
Approach	SE	ide awilde	an the fact	NW	a fire	SW	18.00	" who
HCM Control Delay, s	2.2			0		19.9		
HCM LOS						С		
Minor Lane/Major Mvmt	NWT	NWR SEL	SETSWLn1SI	NI n2				
Capacity (veh/h)	_	- 1188	- 346	736		- VIREL		
HCM Lane V/C Ratio		- 0.079	- 0.565					
ICM Control Delay (s)	2	- 8.3	- 28.1	11.6				
HCM Lane LOS	_	- A	- D	В				
HCM 95th %tile Q(veh)	3	- 0.3	- 3.3	1				
OM JOHI WHE CALACIL)	-	0.5	- 3.3	1				

Intersection		A TOTAL			13 16 25	Sarty St.		**************************************
Int Delay, s/veh	5.9							
Movement	SEL	SET	Conversion of	ANAIT	KIIA/D	OIAII	OVACO	
Vol, veh/h	56	190		181	NWR 51	SWL 159	SWR	
Conflicting Peds, #/hr	0	0		0	0	0	65 0	
Sign Control	Free	Free		Free	Free		Stop	
RT Channelized	-			-	None	Stop	Control of the Contro	
Storage Length		-			None -	0	None 775	
Veh in Median Storage, #		0		0	-			
Grade, %	-	0				0	: e:	
Peak Hour Factor	92	92		92	92		- 00	
Heavy Vehicles, %	28	28		28		92	92	
Wymt Flow	61	207		197	28 55	28	28	
VIVIIIL I IOW	01	201		197	33	173	71	
Major/Minor	Major1	V-1-19-	San Trends	Major2	Sec.	Minor2		
Conflicting Flow All	252	0		mujorz -	0	552	224	
Stage 1	202	-		150	, U.	224	224	
Stage 2				) <del>=</del> 5	-	328		
Critical Hdwy	4.38				-	6.68	6.48	
Critical Hdwy Stg 1	4.50	- F:		(5)		5.68		
Critical Hdwy Stg 2		-			•		(4)	
Follow-up Hdwy	2.452			-27		5.68	2.552	
Pot Cap-1 Maneuver	1176			5	*	3.752	3.552	
Stage 1	1170					453	755	
Stage 2		2				756		
Platoon blocked, %					-	675	-	
	1176	F				400	755	
Mov Cap-1 Maneuver		- 15		*		426	755	
Nov Cap-2 Maneuver	_ 5			ī		426	•	
Stage 1		(*)		iff		756	-	
Stage 2	2	1.5			100	635		
pproach	SE		* 100 2 2 2	NW		SW		
CM Control Delay, s	1.9		***	0		16.5	The Walletter	R J
ICM LOS	1.0			U		C		
OW LOO						C.		
linor Lane/Major Mvmt	NWT	NWR SEL	SETSWLn18	SWLn2				
apacity (veh/h)	_	- 1176	- 426	755				
CM Lane V/C Ratio		- 0.052	0.406					
CM Control Delay (s)	2	- 8.2	0 19.1	10.3				
CM Lane LOS		- A	A C	В				
CM 95th %tile Q(veh)		- 0.2	1.9	U				

Intersection	A 4/8 6/5	S - 3		Ec.N.	114.4	u darbi.		X T X T Y Y Y	5-3-1-1
Int Delay, s/veh	6.4								
Movement	SEL	SET	100	78-1-17	NWT	NWR	SWL	SWR	A SECTION AND ADDRESS.
Vol, veh/h	47	170			187	42	181	60	
Conflicting Peds, #/hr	0	0			0	0	0	0	
Sign Control	Free	Free			Free	Free	Stop	Stop	
RT Channelized	-	None			-	None		None	
Storage Length		-				-	0	775	
Veh in Median Storage, #	-	0			0	-	0	///(Jes	
Grade, %	-	0			0	_	0	(4)	
Peak Hour Factor	92	92			92	92	92	92	
Heavy Vehicles, %	27	27			27	27	27	27	
Mvmt Flow	51	185			203	46	197	65	
Major/Minor	Major1	WILLIAM I	- 1	1.00	Major2	1,50	Minor2	N 11 - St E -	
Conflicting Flow All	249	0				0	513	226	
Stage 1						_	226		
Stage 2						-	287		
Critical Hdwy	4.37	1.0			-	-	6.67	6.47	
Critical Hdwy Stg 1						_	5.67	_	
Critical Hdwy Stg 2						-	5.67		
ollow-up Hdwy	2.443					-	3.743	3.543	
ot Cap-1 Maneuver	1184				-	-	480	755	
Stage 1		: •:				_	756	-	
Stage 2						_	708		
Platoon blocked, %					_	-			
Nov Cap-1 Maneuver	1184				-	-	457	755	
Nov Cap-2 Maneuver		-					457	-	
Stage 1	-	-				_	756	-	
Stage 2		(5)			- 1	1	674		
pproach	SE	a i nata	n Coll	1001	NW		SW	a a a vitali.	25 11 11 15
ICM Control Delay, s	1.8				0		16.6		
ICM LOS							С		
finor Lane/Major Mvmt	NWT	NWR SI	L SE	TSWLn	1SWLn2	12 m			N. S. W.
apacity (veh/h)	1/21	- 11		- 457					
ICM Lane V/C Ratio		- 0.0		- 0.431					
ICM Control Delay (s)	120		2	0 18.7					
CM Lane LOS	140			A C					
CM 95th %tile Q(veh)		- 0	1	- 2.1					

Intersection	Series.	A Park	5X''' 1. 3X 5	3.57	5 0 LX	MINE N. ST	uter i Norm	N. S. and R.
Int Delay, s/veh	6.2							
Movement	SEL	SET	T-18 8 74	NWT	NWR	SWL	SWR	· Parl
Vol, veh/h	27	254		241	42	185	68	
Conflicting Peds, #/hr	0	0		0	0	0	0	
Sign Control	Free	Free		Free	Free	Stop	Stop	
RT Channelized	-	None			None	1-200-20 1-2	None	
Storage Length	-					0	775	
Veh in Median Storage, #	-	0		0	-	0	36	
Grade, %		0		0	-	0	- 2	
Peak Hour Factor	92	92		92	92	92	92	
Heavy Vehicles, %	24	24		24	24	24	24	
Mvmt Flow	29	276		262	46	201	74	
						1321		
Major/Minor	Major1	- 2		Major2	100 50	Minor2	igie II, s le	3
Conflicting Flow All	308	0			0	620	285	
Stage 1	-				-	285	200	
Stage 2	-	-				335	-	
Critical Hdwy	4.34	-				6.64	6.44	
Critical Hdwy Stg 1		10.				5.64	0.11	
Critical Hdwy Stg 2	_	( e:				5.64	(*)	
Follow-up Hdwy	2.416	7=			161	3.716	3.516	
Pot Cap-1 Maneuver	1138			_		418	704	
Stage 1	-	75-				716	704	
Stage 2		7.61		_	7.0	678	+	
Platoon blocked, %		-				010		
Mov Cap-1 Maneuver	1138				-	405	704	
Mov Cap-2 Maneuver	-	(#)				405	704	
Stage 1					-	716		
Stage 2				Ű	25	658		
Olago 2						000	- 1-1	
pproach	SE	TI .8020		NW		SW		
ICM Control Delay, s	0.8			0		19.2	OLIVER DE LA CONTRACTOR	
ICM LOS	0.0					C		
						0		
finor Lane/Major Mvmt	NWT	NWR SEL	SETSWLn1	SWLn2				((eau)
Capacity (veh/h)	2	- 1138	- 405					
ICM Lane V/C Ratio	72	- 0.026	- 0.497					
ICM Control Delay (s)	14	- 8.2	0 22.3					
ICM Lane LOS	112	- A	A C					
ICM 95th %tile Q(veh)		- 0.1	2.7					

Intersection	1-21-22	-	-		N. C.			
	5.6							
Movement	SEL	SET		NWT	NWR	SWL	SWR	-1-1
Vol, veh/h	56	190		181	51	159	65	
Conflicting Peds, #/hr	0	0		0	0	0	0	
Sign Control	Free	Free		Free	Free	Stop	Stop	
RT Channelized	-	None				200	None	
Storage Length	250	-			250	0	775	
Veh in Median Storage, #		0		0	-	0	74	
Grade, %		0		0	-	0	187	
Peak Hour Factor	92	92		92	92	92	92	
Heavy Vehicles, %	28	28		28	28	28	28	
Mvmt Flow	61	207		197	55	173	71	
Major/Minor	Major1	2 J 2 //	Sant Bull of	Major2	on syl	Minor2	A MARKET NEWS	ARTE A
Conflicting Flow All	197	0		100	0	525	197	
Stage 1						197		
Stage 2	1 35	a		(8)		328		
Critical Hdwy	4.38			3.00		6.68	6.48	
Critical Hdwy Stg 1	17.5	-		(*)		5.68		
Critical Hdwy Stg 2	(*)				-	5.68	) <del>=</del> :	
Follow-up Hdwy	2.452			( <del>-</del> )	-	3.752	3.552	
Pot Cap-1 Maneuver	1235	*		(+)	-	470	782	
Stage 1				(m)	*	778	:=)	
Stage 2		+			-	675	196	
Platoon blocked, %		*		300				
Mov Cap-1 Maneuver	1235			:=:	+:	447	782	
Mov Cap-2 Maneuver		1 . 7		36		447	(4)	
Stage 1	-	-			*	778	:#)"	
Stage 2					*	642	**	
Approach	SE	118180	11 11/X 120	NW		SW	4 14-13	B. STAN
HCM Control Delay, s	1.8			0		15.7		
HCM LOS						C		
Minor Lane/Major Mvmt	NWT	NWR SE			100			WINE TO S
Capacity (veh/h)		- 123		782				
HCM Lane V/C Ratio	9	- 0.04		0.09				
HCM Control Delay (s)	¥	- 8.		10.1				
HCM Lane LOS		- 1		В				
HCM 95th %tile Q(veh)	-	- 0.	2 - 1.8	0.3				

Int Delay, s/veh 6	5.1						
Movement	SEL	SET	NWT	NWR	SWL	SWR	a ufficie
Vol, veh/h	47	170	187	42	181	60	
Conflicting Peds, #/hr	0	0	0	0	0	0	
Sign Control	Free	Free	Free	Free	Stop	Stop	
RT Channelized	-	None		None	-	None	
Storage Length	250	-		250	0	775	
Veh in Median Storage, #	-	0	0	-	0		
Grade, %	1-	0	0		0		
Peak Hour Factor	92	92	92	92	92	92	
Heavy Vehicles, %	27	27	27	27	27	27	
Mvmt Flow	51	185	203	46	197	65	
Major/Minor	Major1	1 - WK,	Major2		Minor2	INW YES IN	4.12
Conflicting Flow All	203	0	-	0	490	203	
Stage 1		2		-	203	200	
Stage 2		2			287		
Critical Hdwy	4.37	2	-		6.67	6.47	
Critical Hdwy Stg 1	7.0	-			5.67	0.17	
Critical Hdwy Stg 2	:4)	2	2	_	5.67	141	
Follow-up Hdwy	2.443			2	3.743	3.543	
Pot Cap-1 Maneuver	1233		2		495	778	
Stage 1	1200				775	770	
Stage 2		_		2	708	-	
Platoon blocked, %				1	700		
Mov Cap-1 Maneuver	1233	2		2	475	778	
Mov Cap-2 Maneuver	1233				475	770	
Stage 1	-				775	-	
Stage 2		-			679		
Olayo Z					013		
Approach	SE	210 8 102 3	NW	1 11997	SW		QV 8 1115
ICM Control Delay, s	1.7		0		15.9		
ICM LOS	3.5				C		
IOW EOO					0		
Minor Lane/Major Mymt	NWT	NWR SEL	SETSWLn1SWLn2		JOHN BER		N. Bush
Capacity (veh/h)	10.10.11	- 1233	- 475 778	Employee in			
ICM Lane V/C Ratio	9	- 0.041	- 0.414 0.084				
ICM Control Delay (s)		- 8	- 17.8 10.1				
ICM Lane LOS		- A	- C B				
OW LAND LOO	- 5	- T	- 0 0				

Intersection		****			pi ites			
	5.9				_			
Movement	SEL	SET		NWT	NWR	SWL	SWR	
Vol, veh/h	27	254		241	42	185	68	
Conflicting Peds, #/hr	0	0		0	0	0	0	
Sign Control	Free	Free		Free	Free	Stop	Stop	
RT Channelized	-	None		2		88	None	
Storage Length	250	-		-	250	0	775	
Veh in Median Storage, #	-	0		0	120	0		
Grade, %	-	0		0		0		
Peak Hour Factor	92	92		92	92	92	92	
Heavy Vehicles, %	24	24		24	24	24	24	
Mvmt Flow	29	276		262	46	201	74	
Major/Minor	Major1	Color No		Major2	15.00	Minor2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	in ayyı
Conflicting Flow All	262	0		300	0	597	262	
Stage 1	;. <b>*</b> 3	9		:=	¥	262	-	
Stage 2		57 .		196	-	335	-	
Critical Hdwy	4.34				14	6.64	6.44	
Critical Hdwy Stg 1	100	*				5.64	160	
Critical Hdwy Stg 2	3+1	*		( <b>4</b> )	=	5.64	120	
Follow-up Hdwy	2.416	×		(4)	-	3.716	3.516	
Pot Cap-1 Maneuver	1185	×		<b>(4)</b>	2	431	726	
Stage 1				= 5		733		
Stage 2	5.00	<b>→</b>		:=()	2	678		
Platoon blocked, %				120	2			
Mov Cap-1 Maneuver	1185	#:		- 1	2	420	726	
Mov Cap-2 Maneuver	÷			4		420	-	
Stage 1		×			-	733	:#ii	
Stage 2				*	1 8	661		
Approach	SE	A HEAL		NW	TE DW	SW	(HILLIAN)	
HCM Control Delay, s	0.8			0		18.3		
HCM LOS						С		
	CANAL TO A STATE OF THE STATE O	LILLING OF						
Minor Lane/Major Mvmt		NWR SEL	SETSWLn1S		TRIT IS	A A LEGIS	N. T. Land	Value
Capacity (veh/h)		- 1185		726				
HCM Lane V/C Ratio	, i	- 0.025						
HCM Control Delay (s)		- 8.1		10.5				
HCM Lane LOS	- 5	- A		В				
HCM 95th %tile Q(veh)	*	- 0.1	2.5	0.3				