AGENDA

## INTERCITY TRANSIT AUTHORITY

July 6, 2016
5:30 P.M.

## CALL TO ORDER

## 1) APPROVAL OF AGENDA <br> 1 min. <br> 2) INTRODUCTIONS <br> 5 min . <br> A. Russell Gilsdorf, Customer Service Representative (Joy Gerchak) <br> B. Chris Alfonso, Maintenance Supervisor (Paul Koleber) <br> C. Tom Crow, Maintenance Supervisor (Paul Koleber) <br> 3) PUBLIC COMMENT <br> 10 min. <br> Public Comment Note: This is the place on the agenda where the public is invited to address the Authority on any issue. The person speaking is asked to sign-in on the General Public Comment Form for submittal to the Clerk of the Board. Please include your first and last name, a mailing address or a phone number (in the event we need to contact you). When your name is called, step up to the podium and give your name for the audio record. If you are unable to utilize the podium, you will be provided a microphone at your seat. Citizens testifying are asked to limit testimony to three minutes.

The Authority will not typically respond to your comments this same evening; however, they may ask some clarifying questions.
4) APPROVAL OF CONSENT AGENDA ITEMS

1 min.
A. Approval of Minutes: June 1, 2016, Regular Meeting; and June 15, 2016, Work Session.
B. Payroll: June 2016 Payroll in the amount of $\$ 2,121,976.51$.
5) PUBLIC HEARINGS - None 0 min.
6) COMMITTEE REPORTS
A. Thurston Regional Planning Council (Karen Messmer)

3 min.
B. Transportation Policy Board (Debbie Sullivan)

3 min.
C. Citizen Advisory Committee (Quinn Johnson)

3 min.

## 7) NEW BUSINESS

A. 2017-2020 TIP Adoption (Eric Phillips)
B. Draft Annual Update TDP (Dennis Bloom)

10 min .
C. Citizen Advisory Committee Bylaws Amendment

60 min . (Ann Freeman-Manzanares)

## ADJOURNMENT

Intercity Transit is committed to ensuring that no person is excluded from participation in, or denied the benefits of its transit services on the basis of race, color, or national origin consistent with requirements of Title VI of the Civil Rights Act of 1964 and Federal Transit Administration guidance in FTA Circular 4702.

For questions regarding Intercity Transit's Title VI Program, you may contact the agency's Title VI coordinator at (360) 705-5857 or ntrail@intercitytransit.com. If you need special accommodations to participate in this meeting, please call us at (360) 705-5857 three days prior to the meeting. For TDD users, please use the state's toll-free relay service, 711 and ask the operator to dial (360) 705-5857.

Please consider using an alternate mode to attend this meeting: bike, walk, bus, carpool, or vanpool. This facility is served by Routes 62A, 62B (on Martin Way), and 66 (on Pacific Avenue).

# Minutes <br> INTERCITY TRANSIT AUTHORITY <br> Regular Meeting <br> June 1, 2016 

## CALL TO ORDER

Vice Chair Warner called the June 1, 2016, meeting of the Intercity Transit Authority to order at 5:30 p.m., at the administrative offices of Intercity Transit.

Members Present: Vice Chair and Citizen Representative Ryan Warner; Thurston County Commissioner Bud Blake; City of Tumwater Councilmember Debbie Sullivan; City of Olympia Councilmember Clark Gilman; City of Lacey Councilmember Virgil Clarkson (Alternate); City of Yelm Councilmember Molly Carmody; Citizen Representative Karen Messmer; and Citizen Representative Don Melnick.

Members Excused: Chair and City of Lacey Councilmember, Jeff Gadman; and Labor Representative Ed Bricker.

Staff Present: Ann Freeman-Manzanares; Brent Campbell; Katie Cunningham; Paul Koleber; Steve Krueger; Jeff Peterson; Jim Merrill; Eric Phillips; Pat Messmer; Carolyn Newsome.

Others Present: Citizen Advisory Committee (CAC) member Lin Zenki; Legal Counsel, Dale Kamerrer.

## APPROVAL OF AGENDA

It was M/S/A by Citizen Representative Messmer and Citizen Representative Melnick to approve the agenda as presented.

## INTRODUCTIONS

A. Eric Phillips introduced Steve Krueger, Procurement/Capital Projects Mgr.

PUBLIC COMMENT - None.

## APPROVAL OF CONSENT AGENDA ITEMS

It was M/S/A by Councilmember Carmody and Councilmember Clarkson to approve the consent agenda as presented.
A. Approval of Minutes: May 4, 2016, Regular Meeting; and May 18, 2016, Special Meeting.

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B. Payroll: May 2016 Payroll in the amount of $\$ 2,205,861.53$.
C. Accounts Payable: Warrants dated April 1, 2016, numbers 20614-20681, in the amount of $\$ 571,042.24$; Warrants dated April 22, 2016, numbers 20686-20688; 2070720774, in the amount of $\$ 413,549.40$; Warrants dated April 29, 2016, numbers 2077520840, in the amount of $\$ 527,059.05$; Automated Clearing House Transfers for April 2016 in the amount of $\$ 21,077.21$ for a monthly total of $\$ 1,532,727.90$.

Warrants dated May 13, 2016, numbers 20846-20925, in the amount of \$339,489.94; Warrants dated May 27, 2016, numbers 20931-20995, in the amount of $\$ 670,603.57$;
Automated Clearing House Transfers for May 2016 in the amount of $\$ 5,383.36$ for a monthly total of $\$ 1,015,476.87$.
D. Scheduled a Public Hearing on the Transit Development Plan for August 3, 2016, for the purpose of receiving and considering public comments on the annual Transit Development Plan: 2015 Summary and the 2016-2021 Plan. Request for Adoption of the TDP will come before the Authority on August 17.
E. Surplus Property: Declared the property listed on Exhibit "A" as surplus. (Katie Cunningham).

## PUBLIC HEARING

## A. 2017-2020 Transportation Improvement Program (TIP)

Development Director, Eric Phillips, presented for public comment the draft 2017-2020 Transportation Improvement Program. No written comments were received pertaining to this hearing, and there have been no changes to the plan.

Vice Chair Warner opened the public hearing at 5:38 p.m. to receive comments on the Transportation Improvement Program (TIP).

Hearing no comments, Vice Chair closed the public hearing at 5:38 p.m.

## COMMITTEE REPORTS

A. Thurston Regional Planning Council (TRPC). Karen Messmer said TRPC met on May 6. It was announced that Executive Director, Lon Wyrick is retiring. Messmer is a member of the recruitment panel and they meet June 2 to begin work on the recruitment process.

The next meeting is June 3 and the main topic covers review of the comments from the Draft Regional Transportation Plan. The expectation is they would consider the Plan in July for adoption.

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Messmer said a 40-page document of all the comments and responses was prepared, and she is satisfied with most of these, including the language Intercity Transit suggested on certain issues. She feels the response from the Transportation Policy Board (TPB) about our comment letter has been really good. After reviewing the actual changes made, the one thing she is concerned about is it still feels like the urgency needs to be turned up. The introduction to those changes still needs to reflect a serious look and make fairly dramatic changes. It's still feeling "soft." She's not quite sure if the Plan reflects the letter Intercity Transit submitted. Another concern is the 40 pages of small print of comments and responses, and although our comments were responded to, and there was good reaction, there were a lot of comments that just said "comment noted" because the TPB didn't have time to review them.

Messmer thanked Councilmember Sullivan for her participation on the Transportation Policy Board (TPB), because she feels that due to her participation, most of the comments submitted in our letter were discussed by the TPB.

Sullivan said it was a lot of information for one meeting. She said different regions of our county have different perceptions of what is specific, and she thinks there was a disconnect of understanding on what was trying to be communicated. The TPB did discuss the timeline. She felt it was not realistic and it was too optimistic.

## Commissioner Blake arrived.

B. Transportation Policy Board (TPB). Sullivan said the TPB met May 11 and members reviewed/discussed the Draft Regional Transportation Plan.
C. Citizen Advisory Committee. Lin Zenki had nothing new to report. However, she said the CAC is doing a good job and is well represented. She is impressed with the number of young members who bring a lot of energy to the CAC, and hopes the Authority can do more to encourage them.

## NEW BUSINESS

## A. Telephone Equipment Purchase.

Procurement Coordinator, Jeff Peterson, presented the purchasing, training and support of a replacement telephone system. The current system was purchased in 2005 and has exceeded its useful life. A consultant was hired to review the existing phone system and make recommendations. The recommendations were to consider a ShoreTel or Mitel solution. Both manufactures demonstrated their product's capabilities, and presentations were made to members of staff from several different
departments including Customer Service and Dial-A-Lift. Both manufacturers had a solution to satisfy Intercity Transit's communication needs, however, ShoreTel, represented by Structured Communication Systems offered the best value.

It was M/S/A by Councilmember Sullivan and Citizen Representative Melnick to authorize the General Manager to issue a purchase order, pursuant to Washington State Contract 01114, to Structured Communication Systems for equipment and services required to replace the existing telephone system throughout the agency in the amount of $\$ 119,901$, including tax.

## B. Vehicle Lift and Alignment Equipment Purchase.

Procurement Coordinator, Katie Cunningham, presented for consideration the purchase of new Vehicle Lift and Alignment Equipment for the Maintenance facility. Staff intends to improve and enhance the maintenance facility through the installation of one four-post vehicle lift, alignment and related equipment and accessories. This equipment is available through the Washington State Department of Enterprise Services Contract 06405.

It was M/S/A by Citizen Representative Messmer and Councilmember Gilman to authorize the General Manager, pursuant to Washington State Contract 06405, to issue a purchase order to Mohawk Resources for the purchase of Vehicle Lift and Alignment Equipment in the amount of $\$ 92,542.27$, including tax.

## C. Citizen Advisory Committee Reappointment.

Freeman-Manzanares explained there are currently six CAC positions that expire June 30, 2016. Two members are not eligible for reappointment having served two three-year terms: Julie Hustoft and Kahlil Sibree. Four CAC members are eligible to seek reappointment for another three-year term: Leah Bradley, Michael Van Gelder, Sue Pierce and Victor VanderDoes. (Pierce and VanderDoes submitted requests for reappointment). Charles Richardson is resigning as he is leaving the community, and his term would expire June 30, 2017.

Sullivan asked what the timeframe will be to replace Richardson. FreemanManzanares said staff is considering changing the timeframe for recruitment. Previously, recruitment took place in the spring; however, staff has had more success with a fall recruitment. Staff is considering adjusting the CAC bylaws to reflect this and will bring that before the Authority in July.

It was M/S/A by Citizen Representative Messmer and Citizen Representative Melnick to reappoint Leah Bradley, Sue Pierce, Victor VanderDoes and Michael Van Gelder to another three-year term ending June 30, 2019.

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## D. 2017-2022 Strategic Plan Policy Positions.

Second review of policy issues

1. Should Intercity Transit seek alternative funding sources involving stakeholders in an extended dialogue to determine if a mutually acceptable strategy can be derived?

Authority direction for 2016 was to bring together community stakeholders in having a greater role in providing alternative funding for transit services rather than relying on federal funding.

Work with Thurston Regional Planning Council to educate and facilitate a broader community conversation to explore the gap in regional expectations and funding availability.

Authority Direction for 2017: Continue to support this effort.
2. Should Intercity Transit's planning for the next six years be financially constrained?

Authority direction for 2016 was to consider our current sales tax funding and insure we can maintain current service levels. Intercity Transit will focus on extensive community engagement to help define what public transit should look like in our community.

Freeman-Manzanares asked the Authority to consider finalizing design for the Pattison Street facility. There is $\$ 3.5 \mathrm{M}$ in the long term financials. From staff's perspective, now is the time to take this step if we hope to get federal funding.

Authority Direction for 2017: To move forward with final design of the Pattison Street facility.
3. What steps should Intercity Transit take to reduce emissions and the negative environmental impacts of our operations?

Authority direction for 2016 was to maintain ISO 14001 certification for the Environmental and Sustainability Management System program, continue to utilize environmentally friendly products and materials and require, to the maximum extent possible, that our vendors and contractors do the same.

Continue our partnership with Thurston Green Business and Puget Sound Energy's Green Power program and continue to focus efforts on reducing energy and water usage and decrease waste production.

Continue to increase our involvement in local and regional land use planning efforts and advocate for transit oriented development practices that encourage the use of transportation alternatives.

Authority Direction for 2017: Continue to support these efforts.
Messmer would like staff to take a better look at the PSE green energy program and determine if we can invest and spend less energy.

Melnick said there may be other places besides PSE who provide green energy programs. Messmer said the City of Olympia did some research on this.
4. Is the current fare policy appropriate?

Authority direction for 2016 was to continue with our current fare structure.
Authority Direction for 2017: Continue with our current fare structure.
5. What additional investments in technology should be made beyond the current Advanced Communications System project?

Authority direction for 2016 was to replace the telephone system, upgrade the website and continuing to work to address CAD-AVL glitches.

Authority Direction for 2017: Move forward with the study to replace the current CAD-AVL system and proceed with signal prioritization.
6. Should Intercity Transit maintain service levels in 2017 or consider new or expanded local transit services needed to serve the growing population?

While new or expanded services are needed to serve our current population, our financial outlook necessitates a conservative approach. Authority direction for 2016 was to focus on running time and on-time performance issues as well as examine and monitor all routes in regards to productivity and issues of coverage.

Authority Direction for 2017: Continue to support this effort.

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Freeman-Manzanares said staff purchased a software program called Remix. The program provides an outline of what the agency might be able to do with service in terms of going into northeast Lacey. Staff can plug in perimeters and identify various service time scenarios.

## 7. What is Intercity Transit's role in providing regional mobility?

Authority direction for 2016 was to continue regional services and implement enhancements through a combination of grant and local funding.

Authority Direction for 2017: Continue to support this effort.
Staff does not anticipate a continuation of grant funding for the Tumwater to Lakewood and Olympia to Seattle routes as of June 30, 2017. Both of these grant-funded services are rated in the 2015 Route Service Summary as unsatisfactory. They fall under the agency's performance standards.

Messmer asked if there will be any additional grant opportunities available for the regional service. Freeman-Manzanares said there will likely be regional mobility grant funds available but our focus will be on building a package to support the Pattison rehabilitation and expansion project. WSTA and SMTA are having conversations with WSDOT and legislators statewide about WSDOT's role in providing service regionally. It will be part of their legislative agenda to focus on travel between jurisdictions.

Carmody said it's crucial we consider regional mobility because people are pretty mobile and willing to commute. Dropping it would make it more difficult to start up again.

Messmer said the agency needs to explore other ways to fund this service. It's a regional and state issue. Sullivan said there are other options like vanpools and other alternatives besides fixed route. Gilman said there are many who ride the service other than "commuters." There are those taking the bus to doctor appointments and other services.

Warner said it might be worth looking into other options the agency can promote for one-time riders. Newsome said Kitsap is experimenting with a smart phone application where a vanpool can report when there is an available seat, so one-time riders can pay a daily fare for that seat.

Clarkson asked what the current average cost of a DAL trip is, and what our current Passenger per Service Hour efficiency is. As of 2015:

- 2015 DAL Cost per Rider: \$48.21
- 2015 P/SH: 2.35
- 2015 Ridership: 161,594-5\% increase over 2014.


## GENERAL MANAGER'S REPORT

The state auditor is on site through June 21.
The Bicycle Commuter Contest (BCC) recorded 1,800 participants for 2016 - the highest ever recorded.

The first year of the Mini BCC resulted in nine schools and a total of 124 students participating.

Intercity Transit is participating in the Capital City Pride Parade taking place Sunday, June 19 in downtown Olympia. Everyone is encouraged to participate.

Joy Gerchak, Customer Service Manager, is graduating from Thurston County's Leadership Thurston County on June 8, 2016.

## AUTHORITY ISSUES

Sullivan said the City of Tumwater will hold their Annual Retreat this weekend and she expects transportation will be one of the included topics.

Melnick said we need to focus on upgrading the public's perception of the value we provide.

Carmody said the City of Yelm is in the midst of some major personnel changes. Leaving are: The Public Works Director in two weeks; the Building Inspector in September; and the HR Director in October; and three Police Officers in June. This leaves the City of Yelm understaffed.

Blake asked if a Planning Session Facilitator has been selected. The Chair and Vice Chair requested an interview of Paula Dillard and Bob Jean. From there a selection will be made.

Messmer sits on a committee at the City of Olympia representing Olympia Safe Streets Campaign which is looking at multi-modal concurrency and level of service impact fee issues. It's in relations to the Growth Management Act, allowing, providing and requiring we have concurrency of the transportation systems. The current measurement being use is based on motor vehicle traffic being congested and impact

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fees can only be spent to reduce congestion of motor vehicles, and transit is part of the solution to that.

Messmer appreciates staffs participation in the Thurston Thrives Community Design
Action Team. It's a valuable place to have conversations about the health of our community and how infrastructure and land use issues can be driving to improve the health of the community with community design.

## ADJOURNMENT

It was M/S/A by Councilmember Clarkson and Councilmember Sullivan to adjourn the meeting at 7:30 p.m.

## INTERCITY TRANSIT AUTHORITY

Jeff Gadman, Chair

ATTEST

Pat Messmer
Clerk to the Authority

Date Approved: July 6, 2016.
Prepared by Pat Messmer, Recording Secretary/
Executive Assistant, Intercity Transit

## EXHIBIT A - SURPLUS PROPERTY - JUNE 2016

| VANPOOL |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ITEM | DESCRIPTION | VEHICLE \# | SEATS | MILEAGE | VALUE |
| 1 | 2008 Chevy Uplander | 1901 | 7 | 94,388 | \$4,717.00 |
| 2 | 2008 Chevy Uplander | 1906 | 7 | 91,448 | \$4,830.00 |
| 3 | 2008 Chevy Uplander | 1909 | 7 | 79,711 | \$5,309.00 |
| 4 | 2008 Chevy Uplander | 1911 | 7 | 99,880 | \$4,537.00 |
| VANPOOL TOTAL |  |  |  |  | \$19,393.00 |
| FACILITIES |  |  |  |  |  |
| ITEM | DESCRIPTION | SERIAL \# | QTY | $\begin{aligned} & \hline \text { UNIT } \\ & \text { VALUE } \end{aligned}$ | TOTAL VALUE |
| 1 | Hobart Commercial Refrigerator 120V 60Hz 1 Phase 8.6A R-22 Refrigerant, Model Q2 | 325600037 RN | 1 | \$200.00 | \$200.00 |
| 2 | Full sized ace aluminum shelter (bronze w/flat roof) | NA | 12 | \$350.00 | \$4,200.00 |
| 3 | Office chair | NA | 5 | \$10.00 | \$50.00 |
| 4 | 12' Louisville Tripod Ladder, Type 1A 300 lbs. | Model FT1012 | 1 | \$25.00 | \$25.00 |
| 5 | Posi-Lock Nozzles (prev. rebuilt), Model G2266-rblt | 3065 and 3066 | 2 | \$100.00 | \$200.00 |
| 6 | Ultra funnel bung access model for drum w/closing lid | NA | 1 | \$30.00 | \$30.00 |
| 7 | Small Wisk brooms - Quinn Broom Works - 30" handle (1 box of 8), Lobby model | NA | 1 | \$10.00 | \$10.00 |
| 8 | Magnetic Whiteboard $-4^{\prime} \times 5^{\prime} \mathrm{w} /$ tray | NA | 1 | \$20.00 | \$20.00 |
| 9 | Bulletin board in aluminum case w /two sliding glass doors $3^{\prime} \times 6^{\prime}$ | NA | 1 | \$25.00 | \$25.00 |
| 10 | Whirlpool Refrigerator/Freezer Model ET1FTKXKQ02 Date Nov 2002 | EM4817213 | 1 | \$100.00 | \$100.00 |
| 11 | Typewriter - IBM Wheelwriter 1500 by Lexmark, Machine 6783-011 (Customer Service) | 11TG912 | 1 | \$10.00 | \$10.00 |
| 12 | West Bend Radar Gun w/rechargeable external battery pack \& case (Operations) | Unable to read | 1 | \$25.00 | \$25.00 |
| FACILITIES TOTAL |  |  |  |  | \$4,895.00 |
| INFORMATION SERVICES |  |  |  |  |  |
| ITEM | DESCRIPTION | SERIAL \# | QTY | $\begin{gathered} \hline \text { UNIT } \\ \text { VALUE } \end{gathered}$ | TOTAL VALUE |
| 1 | Dell OptiPlex 780 parts only (CPU-408) | 3X3FHK1 | 1 | \$1.00 | \$1.00 |
| 2 | Dell OptiPlex 780 parts only (CPU-422) | 3X39GK1 | 1 | \$1.00 | \$1.00 |
| 3 | Dell OptiPlex 780 parts only (CPU-407) | DKFQFK1 | 1 | \$1.00 | \$1.00 |
| 4 | Barracuda Web Filter 310 | BAR-YF-481694 | 1 | \$50.00 | \$50.00 |
| 5 | Barracuda Web Filter 310 | BAR-YF-533461 | 1 | \$50.00 | \$50.00 |
| 6 | Dell PowerEdge Rack Console 15FP | 2HVP | 1 | \$100.00 | \$100.00 |
| 7 | Cisco 4400 series wireless LAN controller (NET-101), Model 440225 AP | FLS1007H009 | 1 | \$25.00 | \$25.00 |
| 8 | Net Optics Dual $8 \times 1$ Spam Regeneration tap | 123826 | 1 | \$25.00 | \$25.00 |
| 9 | HP LaserJet P2035n printer | VNB3M31095 | 1 | \$35.00 | \$35.00 |
| 10 | Box of Hard Drives Sleds for EMC san | NG | 1 | \$50.00 | \$50.00 |
| 11 | Box of misc. small computer parts \& cables | NG | 1 | \$40.00 | \$40.00 |
| 12 | SAN and components - ARW NS102700136 | QSH00130582 | 1 | \$500.00 | \$500.00 |
| 13 | APC 42 U Rack | NG | 1 | \$200.00 | \$200.00 |
| 14 | Miscellaneous Server Rack | NA | 4 | \$15.00 | \$60.00 |
| 15 | VCR 1 (IS) Samsung 4 Head, Model VR5703 | 6RAD402056 | 1 | \$10.00 | \$10.00 |
| 16 | Double VCR 2 (IS) Go Video, Model DDV9485 | 943948501176 | 1 | \$10.00 | \$10.00 |
| INFORMATION SERVICES TOTAL |  |  |  |  | \$1,158.00 |

# Minutes <br> INTERCITY TRANSIT AUTHORITY <br> WORK SESSION <br> June 15, 2016 

## CALL TO ORDER

Chair Gadman called the June 15, 2016, Work Session of the Intercity Transit Authority to order at 5:30 p.m., at the administrative offices of Intercity Transit.

Members Present: Chair and City of Lacey Councilmember Jeff Gadman; Vice Chair and Citizen Representative Ryan Warner; City of Tumwater Councilmember Debbie Sullivan; Thurston County Commissioner Bud Blake; City of Olympia Councilmember Clark Gilman; City of Yelm Councilmember Molly Carmody; Citizen Representative Karen Messmer (via phone); Citizen Representative Don Melnick; and Labor Representative Ed Bricker.

Staff Present: Ann Freeman-Manzanares; Dennis Bloom; Ben Foreman; Duncan Green; Steve Krueger; Pat Messmer; and Eric Phillips.

Others Present: Ursula Euler, Citizen Advisory Committee.

## APPROVAL OF AGENDA

It was M/S/A by Citizen Representative Warner and Citizen Representative Melnick to approve the agenda as presented.

## PUBLIC COMMENT - None.

## CITIZEN ADVISORY COMMITTEE REPORT

Citizen Advisory Committee Member, Ursula Euler said the CAC met on May 16. The members changed the timeframe of the nomination of electing officers and adjusted the term end date of existing officers; discussed the CAC Self-Assessment; viewed the video of the pressure washing art; and were given a presentation on the long range financials. Euler said she found that of great value as it helps to plan in advance

She said one of the CAC members proposed that each CAC member come forward with at least one idea on how to get people more interested in riding Intercity Transit. She said members came up with some really inventive ideas, and fed ideas off of each other. Many suggestions were geared towards where people are actively recruiting people - not where Intercity Transit is doing all of the work.

## BICYCLE COMMUTER CONTEST UPDATE

BCC Specialist and Coordinator, Duncan Green provided an update on the 2016 Bicycle Commuter Contest (BCC). This was the $29^{\text {th }}$ annual BCC and the $11^{\text {th }}$ year hosted by Intercity Transit, and Green's $8^{\text {th }}$ year as coordinator.

The 2016 theme was "Be a Vehicle for Change" inviting people to change their habits in how they commute, including bicycling. Green said as coordinator, he brings core values to the BCC that includes cooperation, communication and community building. A lot of what he does in order to grow and improve the BCC is to work with people to get new ideas and to extend the reach of the BCC. Collaborative efforts include working with Intercity Transit's Cut Commute Committee to foster and further the Intercity Transit's BCC team. Intercity Transit also has rewards for people who participate in the Bike to Work day. Green is very involved in the Walk N Roll program. He also collaborates with the City of Olympia and their Bike to Work activities in the area and with state agencies (Department of Licensing and Department of Transportation). Green is in constant communication with the transportation coordinators at the various worksites. He said there is a lot of "networking" that takes place, which helps to grow and invigorate the program.

New this year is an event called the School Mini BCC that Green developed with Jessica Gould and the Walk N Roll program. They reached out to nine elementary schools and recruited 125 students to do a compressed version of the BCC that fits better with the school season and with the ability to reach the kids, which has always been a challenge in the past. This year there was an all-time record of 1,800 participants who signed up; over a third of those who participated this year were doing it for the first time; and pretty decent follow through with participation. The Intercity Transit team finished with 42 participants - 384 commute trips and racked up 2,785 miles during the month of May

## Green went through a PowerPoint presentation.

Green said the BCC is a lot about the way to engage people with fun and community, and some of the approaches include having various family-friendly events and group bike rides, and reaching out online with a BCC blog and Facebook. BCC includes "tons" of prizes. There were over 50 sponsors that donated everything from bicycles to coffee mugs, bike lights, and gift cards from local businesses. Everyone who signs up and turns in a mileage log receives valuable coupons for discounts.

BCC events include the Earth Day Market Ride with over 200 participants; winter MiniBCC with 198 participants; Inter-Agency Bike Ride; and the Prize Hoopla. Another
collaborative event is National Bike to Work Day which is held the third Friday in May and there were an estimated 300 participants.

Participation in the BCC is on an upward trend and the goal is to get up to 2,000 participants. Green shared more statistics about the 2016 BCC. This year:

- 1,853 riders over 100 teams
- 13,223 round-trips
- Traveled 105,876 miles, saving 50 tons of CO2

The future of the BCC:

- Change the name to "Bicycle Commuter Challenge"
- To reflect a more inclusive attitude and make it less about a competition
- Grow the Winter BCC and School Mini-BCC
- Add an interactive online Mileage Log
- Keep pedaling and keep growing

Carmody would like to bring a Mini BCC to Yelm to get more students and teachers walking and biking. Green said the Walk N Roll program would oversee the "walking" events and Jessica Gould would be the contact. He would like to activate a BCC in Yelm, but he's not sure what the hurdles may be and he will do whatever he can to support that. Carmody said there is a new Principle of the high school and now would be a good time to make a connection.

Gilman asked Green to explain the prize distribution at the Hoopla and how that all evolved. Green said it used be that prizes were awarded in different categories for those who rode the most miles and most days in the month of May. The idea about having multiple categories for ages and within that first timers or returning participants - the idea being lots of different people would win. However, Green discovered it was basically the same people winning every year because they were big bikers. He changed it so everyone who signs up wins a prize. He kept the competitive aspect for teams in terms of miles and days. Individuals are entered in random drawings to win prizes. There is a range of value on the prizes - bikes are awarded in random drawings among all participants. There is one bike drawing among junior and youth categories, and a random drawing for the adult and senior category. Everyone receives coupons.

## STRATEGIC PLAN

Freeman-Manzanares provided a third review of policy issues.
What role should Intercity Transit play in serving the core areas of Olympia, Lacey and Tumwater area?

Authority Direction for 2017: Continue to work with the state to identify and promote adequate parking for Dash service; including the provision of park and ride spaces at the Olympia Farmers Market during the legislative session. Work with State, local jurisdictions and major employers regarding parking and promote Commute Trip Reduction. Work with area stakeholders to market and cross promote transit in core areas of Lacey, Olympia and Tumwater.

Freeman-Manzanares said staff is looking forward to doing a short and long range plan and figuring out how to combine that activity with the community conversations and have it follow on the larger community conversation about trains and transit.

Melnick asked if there is a way to include the term "funding." One way is to think about a way to engage the city and business in helping to find funding. FreemanManzanares said one of the conversations that raised some interest is the beneficial nature of Dash, and this will allow the opportunity to add a third party consultant looking at our service and talking about areas we're currently not serving like northeast Lacey, and Tumwater, and some areas where customers are requesting additional service.

## Is there a role for local express service in the current service area?

Authority Direction for 2017: Intercity Transit currently operates no local express service. Local express service generally operates in major corridors with service speeds increased by reducing the number of stops and/or by introducing transit priority measures in the corridor.

Freeman-Manzanares said the agency experimented with local express service and that there is some travel from Hawks Prairie to the Capitol. It's still in the "unsatisfactory" rate in terms of the number of people who are riding per trip. Over the year, northbound for that inter-county trip (the 609 and 592 routes which are regional mobility grant funded projects) we moved about 1,243 people, and that's less than a person a trip over a period of a year. That equates to about 73 people per month for the 609 and 30 people a month on the 592.

## Should transit priority measures - signal priority, queue bypass, bus lanes - be considered?

Authority Direction for 2017: Continue the implementation of the pilot signal preemption project in the Martin Way and Capital corridors.

Messmer asked if the Authority should consider, in the future, a dedicated bus lane or right-of-way to expand the ability to provide local express service. Perhaps look at a bigger picture to move people more quickly at a higher speed service. What kind of right-of-way planning might be needed?

Carmody suggested Intercity Transit go to local councils about creating bus lanes from non-bus lanes.

Gadman said it's a conversation worth approaching with the jurisdictions; however, it will be a long conversation because right-of-way is expensive and any discussion about eliminating motor travel lanes creates congestion.

## Should Intercity Transit pursue efforts to coordinate service with local school districts?

Authority Direction for 2017: Continue Youth Education program and continue to work with schools and youth to teach skills for safe biking, walking and transit use.

Melnick said Intercity Transit should talk with school districts about collaborating to find a way to save money since the buses both IT and the districts currently run are similar, in that they all have wheels and diesel engines. He feels there may be opportunities for IT and the districts to collaborate on cost savings measures.

Warner said that could be problematic with the Federal Transportation Association. Gadman said there was a conversation about this with parents from the north Thurston school district and the resistance from parents was unbelievable - they do not want their young children riding public transit with adults.

Carmody asked why Intercity Transit couldn't contract with the school districts to provide buses to transport the students and the students purchase yearly school passes.

Freeman-Manzanares said there is room to be more involved in the middle and high schools in terms of providing transportation to students going to jobs, New Market or SPSCC. Staff can explore these options. She said we may be reaching that ground though our emergency management plan as being listed as the number one transportation provider in the county.

## Should Intercity Transit's current marketing approach and level of effort be continued?

Authority Direction for 2017: Focus on community outreach and engagement and aggressively market its services.

## LONG RANGE FINANCIAL REVIEW

Freeman-Manzanares, along with Ben Foreman, Director of Finance, continued with a review of the long range financial scenarios in preparation for the Strategic Plan.

Freeman-Manzanares presented base model assumptions and a variety of scenarios.

## Funding Assumptions:

- Federal formula funds continue as currently programed
- Federal dollars through PSRC for express services (fixed route and vanpool) continues
- Vanpool Incentive Programs continues
- Sales Tax Revenue at 3\% growth rate for 2017 and the remainder of the forecast
- Sales Tax Income remains at $8 / 10^{\text {th }}$ of 1 percent
- Inflation at 3.5\%


## Service Assumptions:

- Fixed Route Service remains as currently programmed January 1 - June 30, 2017
- Reduced fixed route service by 9,500 service hours effective July 1, 2017 in response to expiration of Regional Mobility Grant expiration
- 2,000 additional service hours for Dial-A-Lift Services


## Capital Assumptions:

- Includes Pattison Street Rehabilitation and Expansion Final Engineering
- Pattison Street Construction scheduled for 2019. Project will not proceed without grant funding. (Programmed in at $80 \%$ grant $/ 20 \%$ local match)
- No new park-and-ride lots scheduled to be constructed
- Continue to purchase hybrid buses
- Bus replacement cycle of 15 years


## Employees:

- Does not include any additional employees

Wage Assumptions:

- Non-represented employees - 3\% placeholder
- ATU - 2017; 2.75-3\% placeholder thereafter
- IAM - 3\% placeholder thereafter

Fuel:

## Intercity Transit Authority Work Session <br> June 15, 2016 <br> Page 7 of 9

- 2017 at $\$ 4.07$ a gallon; adding 3\% thereafter for the remainder of the forecast

Freeman-Manzanares reviewed three model scenarios:

- Scenario on page 1 reflected a base assumption using $9 \%$ sales tax.
- Scenario on page 2 compared 17-year hybrid versus 15 and 17-year diesel.
- Scenario on page 3 shows the best case financial scenario in 2016-2017 with 9\% sales tax and 15-year diesel; and 15-year diesel and adding the final $1 / 10^{\text {th }}$ of 1 percent.

Chair Gadman said it is presumptuous to assume $9 \%$ in 2017 because a lot of the sales tax growth in 2015 and 2016 has been due to large one-time construction projects.

Blake asked about using compressed natural gas (CNG)? Freeman-Manzanares said Intercity Transit decided to not use CNG after a fuel survey was conducted several years ago, which brought up the issue of infrastructure that needed to put in place. Freeman-Manzanares said staff could look into alternative fuel sources.

Chair Gadman said the Authority direction appears to be going back to diesel options, using the more conservative financial model. Freeman-Manzanares will invite Maintenance to an Authority meeting to present statistics on hybrid versus diesel.

Gilman would also like to look at passenger miles per gallon and marginal differential because diesel is becoming efficient.

Melnick would like to see the cost of dollars per mile, including battery disposal costs.
Messmer noted that with biodiesel, staff needs to look at the entire life-cycle for how that is produced and transported to make sure it's environmentally sound.

## GENERAL MANAGER'S REPORT

Sales tax for May was at 11.80\%

Ridership for May was 362,091 boardings. That is $1.3 \%$ down from last year. Year-todate there $1,812,422$ boardings which is $3.4 \%$ down compared to 2015.

## AUTHORITY ISSUES

Carmody said Yelm has a new school Supervisor and high school Principle and she would like to see Intercity Transit begin communications with both regarding the BCC and Walk N Roll programs.

Melnick said Intercity Transit needs a "PTA" (independent third party) who advocates for public transit issues/customers.

Gadman said with the addition of a new marketing manager, perhaps this topic can be discussed at the work session in October.

Warner said he represented the Authority and participated in the entrance interview with the state auditors on Friday, June 3. The auditor asked about Intercity Transit's process and how financial matters are communicated to the Board. The auditor was pleased with Warner's response.

Sullivan said the Tumwater City Council recently held their retreat. Mayor Kmet raised the topic of bringing in rail to Thurston County. It would be beneficial to have a conversation about the realities of affording to bring rail to Thurston County.

Gilman said the Bike Corridor Pilot Project for Olympia had a soft launch open house on June 4. Using the least used routes, the pilot project will connect the eastside neighborhood to downtown from Lions Park to Sylvester Park along portions of 5th and 7th Avenue. Some of the project will be built with interim, or less permanent, materials. This project installs special signs and pavement markings to clearly designate the route as a Bike Corridor.

## ADJOURNMENT

## It was M/S/A by Citizen Representative Warner and Citizen Representative Melnick to adjourn the meeting at 7:20 p.m.

## INTERCITY TRANSIT AUTHORITY

Jeff Gadman, Chair

Date Approved: July 6, 2016

Pat Messmer Clerk of the Board

Intercity Transit Authority Work Session
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Prepared by Pat Messmer, Recording Secretary/
Executive Assistant, Intercity Transit


## TRPC Members \&

Representatives
City of Lacey
Virgil Clarkson
City of Olympia
Nathaniel Jones
City of Rainier
Everett Gage
City of Tenino
David Watterson
City of Tumwater
Tom Oliva
City of Yelm
Robert Isom
Confederated Tribes of the
Chehalis Reservation
Amy Loudermilk
Nisqually Indian Tribe
Heidi Thomas
Town of Bucoda
Alan Vanell
Thurston County
Sandra Romero
North Thurston Public Schools
Chuck Namit
Olympia School District
Mark Campeau
Intercity Transit
Karen Messmer
LOTT Clean Water Alliance
Cynthia Pratt
Port of Olympia
Bill McGregor
PUD No. 1 of Thurston County Russell Olsen

## Associate Members

Economic Development
Council of Thurston County Michael Cade
Lacey Fire District \#3 Gene Dobry
Puget Sound Regional Council Vacant
The Evergreen State College Jeanne Rynne
Timberland Regional Library Cheryl Heywood

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## PRE-AGENDA <br> Friday, July 8, 2016 <br> NOTE DATE

8:30 a.m. - 11:00 a.m.
The TRPC pre-agenda provides our members the opportunity to review the topics of the upcoming TRPC meeting. This information is forwarded in advance to afford your councils and boards the opportunity for discussion at your regular meetings. This will provide your designated representative with information that can be used for their participation in the Regional Council meeting. For more information, please visit our website at www.trpc.org.

## Consent Calendar

ACTION
These items were presented at the previous meeting. They are action items and will remain on consent unless pulled for further discussion.
a. Approval of Minutes - June 3, 2016
b. Approval of Vouchers
c. Approval of Draft Regional Transportation Plan

## Special Recognition - Lon Wyrick Retirement

PRESENTATION

## 2017 State Legislative Preparation

DISCUSSION
The Council will continue discussion of legislative priorities for the 2017 state legislative session and outreach methods to communicate with our delegation

## Executive Director Recruitment

ACTION
The Executive Director Recruitment Subcommittee will brief Council on work they have undertaken to date, and will bring forward a recommendation for approval of an updated Job Description and salary range to be used in the recruitment process.

## EXECUTIVE SESSION - Interim Director

## DISCUSSION

The Council will move into executive session to review with the Executive Director Recruitment Subcommittee a personnel issue regarding the Interim Director position. No decisions or actions will be taken in the executive session. The executive session is for discussion purposes only.

## Appointment of Interim Director

ACTION
The council will review the recommendation of the Executive Director Recruitment Subcommittee regarding the appointment of an Interim Director. The full Council will take action on that recommendation and authorize the Executive Director to sign an agreement with the designated Interim Director regarding term and compensation of that position.

## Federal Transportation Funding

INFORMATION
Staff will provide background information on the Regional Surface Transportation Program and Congestion Mitigation Air Quality federal funding processes and discuss a possible framework for a Fall 2016 Call for Projects.

## State Transportation Improvement Program (STIP)

INFORMATION
Under federal law, each year, the Washington State Department of Transportation must adopt the STIP, which includes a statewide list of funded transportation projects. To support that effort, by mid-October, TRPC must adopt a Regional TIP comprised of local and transit six-year transportation program information. Staff will provide an overview of the requirements and process in preparation for action in September or October 2016.

## Cost of Living Data

INFORMATION
The first quarter 2016 Cost of Living comparison is now available. Staff will brief the Council on this commonly requested data set that allows people to compare the cost of living in the Olympia-Lacey-Tumwater urban area to other participating urban areas throughout the country.

## Report from Outside Committee Assignments

INFORMATION
Member Check In
DISCUSSION
Executive Director's Report

## Minutes

INTERCITY TRANSIT

## CITIZEN ADVISORY COMMITTEE

June 20, 2016

## CALL TO ORDER

Chair VanderDoes called the June 20, 2016, meeting of the Citizen Advisory Committee (CAC) to order at 5:30 p.m. at the administrative offices of Intercity Transit.

Members Present: Chair Victor VanderDoes; Vice Chair Jan Burt; Sue Pierce; Ursula Euler; Jonah Cummings; Ron Hughes; Mitchell Chong; Julie Hustoft; Carl See; and Kahlil Sibree.

Absent: Joan O'Connell; Billie Clark; Quinn Johnson; Michael Van Gelder; Walter Smit; Denise Clark; Ariah Perez; Leah Bradley; Lin Zenki; and Charles Richardson.

Staff Present: Ann Freeman-Manzanares; Ben Foreman; Duncan Green; Eric Phillips; and Pat Messmer

## APPROVAL OF AGENDA

It was M/S/A by Pierce and Euler to approve the agenda.

## INTRODUCTIONS

VanderDoes introduced Authority member, Don Melnick.

## RECOGNITIONS

A. Proclamation and Recognition for Outgoing Members Julie Hustoft, Charles Richardson, and Kahlil Sibree. Chair VanderDoes read a Proclamation of Appreciation to Hustoft and Sibree, who served on the CAC since July 2009; and Richardson who served on the CAC since 2011. The meeting recessed at 5:34 p.m. for refreshments.

Chair VanderDoes reconvened the meeting at 5:46 p.m.

## MEETING ATTENDANCE

A. July 6, 2016, Regular Meeting - Quinn Johnson
B. July 20, 2016, Work Session - Ursula Euler
C. August 3, 2016, Regular Meeting - Walter Smit

## APPROVAL OF MINUTES

It was M/S/A by Hustoft and Cummings to approve the minutes of the May 16, 2016 meeting.

## CONSUMER ISSUES

- VanderDoes - Has a question regarding two relocated bus stops.
- Julie Hustoft - Has a question regarding a bus stop.
- Carl See - Has a comment on a non-consumer issue.


## NEW BUSINESS

## A. BICYCLE COMMUTER CONTEST RESULTS - (Duncan Green)

BCC Specialist and Coordinator, Duncan Green provided an update on the 2016 Bicycle Commuter Contest (BCC). This was the $29^{\text {th }}$ annual BCC and the $11^{\text {th }}$ year hosted by Intercity Transit, and Green's $8^{\text {th }}$ year as coordinator.

The 2016 theme was "Be a Vehicle for Change" inviting people to change their habits in how they commute, including bicycling. Green said as coordinator, he brings core values to the BCC that includes cooperation, communication and community building. A lot of what he does in order to grow and improve the BCC is to work with people to get new ideas and to extend the reach of the BCC. Collaborative efforts include working with Intercity Transit's Cut Commute Committee to foster and further the Intercity Transit's BCC team. Intercity Transit also has rewards for people who participate in the Bike to Work day. Green is very involved in the Walk N Roll program. He also collaborates with the City of Olympia and their Bike to Work activities in the area and with state agencies (Department of Licensing and Department of Transportation). Green is in constant communication with the transportation coordinators at the various worksites. He said there is a lot of "networking" that takes place, which helps to grow and invigorate the program.

New this year is an event called the School Mini BCC that Green developed with Jessica Gould and the Walk N Roll program. They reached out to nine elementary schools and recruited 125 students to do a compressed version of the BCC that fits better with the school season. This year there was an all-time BCC record of 1,800 participants who signed up; over a third of those who participated this year were doing it for the first time; and pretty decent follow through with participation. The Intercity Transit team finished with 42 participants - 384 commute trips and racked up 2,785 miles during the month of May

## Green went through a PowerPoint presentation.

Green said the BCC is looking to continual improve and meet the needs of cyclist. It's continued support for long time commuters and encouragement and making connections in the community for those new to commuting by bike. Some of the approaches include having various family-friendly events and group bike rides, and reaching out online with a BCC blog and Facebook. BCC includes prizes donated by a number of local, regional and national supporters. There were over 50 sponsors that donated everything from bicycles to coffee mugs, bike lights, and gift cards. Everyone who signs up and turns in a mileage log receives valuable coupons for discounts.

BCC events include the Earth Day Market Ride with over 200 participants; winter Mini-BCC with 198 participants; Inter-Agency Bike Ride; and the Prize Hoopla. Another collaborative event is National Bike to Work Day which is held the third Friday in May and there were an estimated 300 participants.

Participation in the BCC is on an upward trend and the goal is to get up to 2,000 participants. Green shared more statistics about the 2016 BCC. This year:

- 1,853 riders over 100 teams
- 13,223 round-trips
- Traveled 105,876 miles, saving 50 tons of CO2

The future of the BCC:

- Change the name to "Bicycle Commuter Challenge"
- To reflect a more inclusive attitude and make it less about a competition
- Grow the Winter BCC and School Mini-BCC
- Add an interactive online Mileage Log
- Keep pedaling and keep growing

Euler asked if bike stations are available during bike rides. Green said bike stations are set up during Bike-to-Work day. He coordinates with different businesses to host the bike stations such as coffee shops around town, bike shops, Ralph's Thriftway and Evergreen State College. This year there were a total of seven stations throughout Olympia, Lacey and Tumwater.

Hustoft asked if the Mini BCC is implemented in all school districts. Green said the Youth Education Coordinator (Jessica Gould) reached out to the schools and set up that process, and he would be happy to pass the question along to her.

Freeman-Manzanares said these programs continue to evolve, and the Mini BCC is a great outcome with coordination with the Youth Education program. She encourages CAC members to let staff know of schools interested or that have a connection. This will help in growing these programs with limited staff.

Cummings asked if there are any statistics regarding logistics where the BCC participants generate from? Green said the majority of participants show addresses from Olympia roughly $70 \%$. However, there is a good chunk of participants from Lacey and Tumwater and other communities within the county, as well as people who live outside the county and work in Thurston County and bike in from Shelton or from Tacoma.

See asked if there are comparable programs in other locations or is Intercity Transit the trailblazer. Green said there are other programs around our region and the country; however, the BCC is one of the oldest forms still going. Both Pierce and King Counties have similar events; Portland has a similar event, but those programs have not been around as long as our BCC. Green noted there is a guide book for creating an event like the BCC that was largely written by the early organizers of the BCC that is now incorporated into a guidebook put out by the League of American Bicyclists.

See asked if other BCC's are funded through transit organizations. Green said Intercity Transit is unique in that respect. The Pierce County event is hosted by Pierce Transit; the King County event is run by the Cascade Bicycle Club, and Portland is hosted by the Bicycle Transportation Alliance.

Kahlil arrived.

Chair VanderDoes took a few moments to present Kahlil with his Proclamation and clock.

## B. LONG TERM FINANCIAL REVIEW - (Ann Freeman-Manzanares)

Freeman-Manzanares and Ben Foreman, Director of Finance, reviewed the draft long range financial scenarios in preparation for the Strategic Plan.

As part of the Strategic Plan, Intercity Transit publishes a 6-year financial forecast as part of the document. During the recession, and with the elimination of bus and bus facility funds, we fell "off the cliff" in year seven and thought it important to make that clear to our policy makers. The extended forecast projects a full vehicle replacement cycle which is a significant expense for the agency so it's good to get it out there for planning purposes. Forecasting is difficult to do, particularly when the largest source of income is something as volatile as sales tax, and a major expense is fuel, which also is volatile and difficult to predict. We also recognize that the further out we get, the higher the likelihood that something will change to affect the outcome.

Freeman-Manzanares presented base model assumptions. Below are the highlights:

## Funding Assumptions:

- Sales Tax Revenue for 2016 is estimated at $4.5 \%$. We are hoping that it is higher at the conclusion of the year.
- Sales Tax Revenue growth rate thereafter would be at $3 \%$
- Sales Tax Income remains at $8 / 10^{\text {th }}$ of 1 percent
- Inflation at $3.5 \%$


## Service Assumptions:

- Fixed Route service remains status quote through the end of June 2016. At that point in time, our Regional Mobility Grants expire.
- Add 2,000 service hours to Dial-A-Lift


## Capital Assumptions:

- Includes Pattison Street Rehabilitation and Expansion Final Engineering
- Pattison Street Construction scheduled for 2019. Project will not proceed without grant funding. (Programmed in at $80 \%$ grant $/ 20 \%$ local match)
- No new park-and-ride lots scheduled to be constructed
- Continue to purchase hybrid buses
- Bus replacement cycle of 15 years


## Employees:

- Does not include any additional employees


## Wage Assumptions:

- Non-represented employees - 3\% placeholder 2017-2019; 2.5\% thereafter
- ATU - 2017; 2.75 - 3\% placeholder 2017-2019; 2.5\% thereafter
- IAM - 3\% placeholder 2017-2019; 2.5\% thereafter


## Intercity Transit Citizen Advisory Committee

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Fuel:

- 2017 at $\$ 4.07$ a gallon; adding 3\% thereafter for the remainder of the forecast


## Freeman-Manzanares reviewed the base model assumption scenarios.

- Base Assumption
- 2016 = 9\% Sales Tax
- $2016+2017=9 \%$ Sales Tax
- 17-Year Hybrid
- 15-Year Diesel
- 17-Year Diesel
- $2016+2017=9 \%$ Sales Tax
- 15-Year Diesel
- $2016+2017=9 \%$ Sales Tax
- 15 -Year Diesel $+1 / 10^{\text {th }}$ of 1 Percent

Cummings referred to phasing out the express service when the grant expires and he wanted to know if those match each other one-for-one or is that going to have some sort of effect on the rest of the budget. He asked if we reduce the grant funded service do we have some ability to use those operational dollars elsewhere. Freeman-Manzanares said not really because it's funded at $80 \%$ with grant funds.

Cummings asked what will happen to current express passengers if/when express service is eliminated. Will they switch to vanpools? Freeman-Manzanares said there is the potential of that happening, and that was a big push staff made when some of the hours were altered. Staff was looking at the ridership numbers for both of those services and the numbers had an unsatisfactory rating. Staff would work to get riders into vanpools or into other express service.

Freeman-Manzanares and Foreman experimented with different numbers changing the results of the scenarios (such as adding service, and changing the fuel or sales tax numbers).

Euler suggested that a financial policy could be formulated to set some criteria that allows a scenario showing six years' worth of at least $3 \%$ sales tax growth and if the sales tax is higher than that, the money could be banked. Perhaps we can expand service and even if there is a downturn, there is enough resources stashed away to maintain that expanded service. What are the solutions for not excluding the possibility of expansion? She says to stay flexible operationally to have higher balances, and if there is a plan that states why we are building a fund balance, you can defend it.

See asked what is the main difference of the purchase cost between diesel and hybrid vehicles. Freeman-Manzanares said the difference in capital cost is between $\$ 200,000$ and $\$ 250,000$. Foreman said the mid-life rebuild is $\$ 50,000$ on the diesel and $\$ 300,000$ on the hybrids and the difference in cost is about \$450,000.

Pierce said in her experience as a rider, hybrids have more issues versus diesel, and she is curious to see overall where the glitches are. Freeman-Manzanares said she will ask Paul Koleber, Maintenance Manager, to provide a refresher update about the hybrids and the diesel.

## Intercity Transit Citizen Advisory Committee

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Cummings asked how an increase in ridership would affect the numbers. Foreman said an increase in ridership wouldn't be that significant in terms of income. Currently our farebox income is 10 to $12 \%$. If the increase in ridership is significant, we might need to put more buses on the road, which would require more buses and more staff. It's a negative from a budget perspective. The 62 for instance, is already standing room only at times of the day and that is 15 minute service.

See asked how you factor in population and growth. Foreman said there is the 2,000 hours for Dial-A-Lift and that's growth and aging population. The rest of it is at $3 \%$ for inflation. When we do revenue increases at 3\% that's straight population growth.

VanderDoes asked what costs would look like if all buses were electric from an operational standpoint in ten years. He understands there would be capital expenditures for underground hardware, and overhead, etc. Freeman-Manzanares said it would likely be more beneficial to work outside of the model and prepare capital and operating expenses for an all-electric fleet. The expense would be far greater than that of a hybrid electric fleet.

Cummings asked if there is a negative return with the corporate-type bus passes like for the colleges when they pay a lump sum whether people ride or not. Freeman-Manzanares said our contracts are at a discounted rate based on service counts. She doesn't believe it would have a huge impact on the overall budget. The lack of convenience in not having one would likely negatively impact our ridership numbers.

## C. 2017-2022 STRATEGIC PLAN - (Ann Freeman-Manzanares)

Freeman-Manzanares reviewed the twenty strategic plan policy statements and decisions made by the Authority.

1. Are there capital purchases or other projects needed to allow future growth?

Authority direction for 2017: Dedicate funds to complete the final design for the Pattison Street Facility Rehabilitation and Expansion project placing us in a more competitive position for grant funding.

VanderDoes said it's really important to be shovel-ready for whatever we have available. In the next national elections things could change and we could start working on infrastructure.
2. How do Village Vans, Community Vans, the Surplus Van Grant and Discounted Bus Pass Program fit into Intercity Transit's future plans? Are there other programs of this type that should be considered?
Authority direction for 2017: Continue the good work of all of these programs in future years. Continue to seek grant funding to support the Village Vans Program. No programs would be added.
3. What role should Intercity Transit play in local transportation projects - Commute Trip Reduction, Youth Education Programs and the Bicycle Commuter Contest? Authority direction for 2017: Continue to work in all of these areas.
4. Should Intercity Transit pursue additional park-and-ride facilities at this time?

Authority direction for 2017: Do not pursue additional park-and-ride facilities at this time.

See asked if there is consideration of how to engage those current park-and-rides in other partnerships. Freeman-Manzanares said yes, staff will continue to look at those opportunities. She said there is still capacity at Martin Way and Hawks Prairie.

See asked about seeking opportunities to put in a restaurant or drive-thru coffee shop at the park-and-rides. Freeman-Manzanares said we would have to go through the Department of the Blind. Staff did an analysis when that request was made about the Centennial Station and it wasn't allowed.
5. Should the vanpool program continue to expand to keep pace with demand? Authority direction for 2017: Utilize existing equipment. If demand exceeds our capacity, look at expansion. Otherwise, do not grow the program.
6. Are our services - Dial-a-Lift, Travel Training and Accessible Fixed Route Buses adequate to serve persons with disabilities?
Authority direction for 2017: Our programs serve the community well. Continue to build these programs. Add 2,000 service hours to DAL to use as necessary.
7. What level of passenger amenities (bus, shelter, benches, lighted stops, passenger information) is appropriate?
Authority direction for 2017: Continue to implement enhancements through a combination of grant and local funding.
8. What should be Intercity Transit's policy and actions related to expansion of the PTBA?
Authority direction for 2017: Do not pursue expansion of the PTBA.
9. Should Intercity Transit seek alternative funding sources involving stakeholders in an extended dialogue to determine if a mutually acceptable strategy can be derived?
Authority Direction for 2017: Continue to focus on this effort.
10. Should Intercity Transit's planning for the next six years be financially constrained? Authority Direction for 2017: Our planning should be financially constrained. The recent recession had significant negative impact on our budget. Sales tax has rebounded but we cannot predict future years funding.
11. What steps should Intercity Transit take to reduce emissions and the negative environmental impacts of our operations?
Authority Direction for 2017: Continue to support these efforts in a way that is also fiscally responsible.
12. Is the current fare policy appropriate?

Authority Direction for 2017: Continue with our current fare structure.
See asked about the Dash. Freeman-Manzanares said that would be an interesting conversation as we talk about our long and short range plan when we bring in a consultant to look at the

PTBA and the customer comments and operators. The Dash is a very interesting part of that because many people are supportive but ridership on the Dash is low.
13. What additional investments in technology should be made beyond the current Advanced Communications System project?
Authority Direction for 2017: Move forward with the study to replace the current CAD-AVL system.
14. Should Intercity Transit maintain service levels in 2017 or consider new or expanded local transit services needed to serve the growing population?
Authority Direction for 2017: The focus is to maintain existing service recognizing the elimination of Regional Mobility Grant funded express service July 1, 2017.

Chong left the meeting.
15. What is Intercity Transit's role in providing regional mobility? Authority Direction for 2017: Support this effort to the extent our budget allows.
16. What role should Intercity Transit play in serving the core areas of Olympia, Lacey and Tumwater area?
Authority Direction for 2017: Work with the state to identify parking and use of DASH. Work with stakeholders to market and cross promote transit.

Cummings said he noticed that when the legislature is in session there seemed to be a disproportioned number of legislators and lobbyists using the Dash.

See said there are hotels going in on the other side of I-5, and there are terrible pathways in that area - is there any way Dash could go out that way during the legislative session.

Pierce suggested reminding the restaurants and other establishments downtown that their customers can get around on Dash.

Freeman-Manzanares said staff works with the DES so when they have events, they advertise Dash services.

Pierce suggested utilizing the tourist bureau to assist and answer questions for those visiting Olympia and getting more local people on the Dash.
17. Is there a role for local express service in the current service area?

Authority Direction for 2017: There will be a role for local express in the future.
18. Should transit priority measures - signal priority, queue bypass, bus lanes - be considered?
Authority Direction for 2017: Continue to focus on the signal prioritization project.
19. Should Intercity Transit pursue efforts to coordinate service with local school districts? Authority Direction for 2017: Continue to work with the school districts and explore potential partnerships. Freeman-Manzanares said the service the school districts provide is different because they go door-to-door and down residential streets. She would like to see a more
cooperative relationship with the school districts. We're making strides in Emergency Management with the districts and we're the lead Emergency Management transportation provider in the county with the schools as a resource we can draw on.
20. Should Intercity Transit's current marketing approach and level of effort be continued? Authority Direction for 2017: Continue to focus and intensify our marketing, communications and community outreach efforts. Freeman-Manzanares said the agency has been operating for a year and half without a marketing manager and a new manager begins on July 18. Staff has been having conversations about what it looks like in terms of staff to do more effective outreach.

Euler is wondering if any of these policy issues allow room to include the conversation about what role Intercity Transit could play in the shared economy. Is the Authority having conversations to start thinking about what that could look like depending on how the next few years develop? She noted public transportation offers safety and reliability.

## CONSUMER ISSUES

- Hustoft - noticed that a few feet down from the bus stop behind the old Capitol Building on Franklin and Legion there are construction markings on the sidewalk and she wants to know if they are installing a bus shelter and when that would be completed.
- Freeman-Manzanares will ask staff to check into this.
- See - said he was in Vancouver and he noticed C-Tran opened up a BRT line and he is wondering if Intercity Transit can look at that as we grow, especially along Martin Way, and he would like to understand what is driving C-Tran's capacity to do that.
- Freeman-Manzanares said she attended the state transportation conference when they held the ground breaking for the Vine and she took the opportunity to meet with community organizers.
- Sibree - asked what the status is for installing a bus shelter at the bus stop down the street from Yelm High School near the huge subdivision - in the direction leaving Yelm. He said he's talked with Dennis Bloom about this and has stressed how desperately that bus stop needs a shelter because numerous people stand in the rain at that location.
- Freeman-Manzanares will follow up with Dennis Bloom in the Planning Department.
- VanderDoes - said he noticed two bus shelters were moved at the Red Wind Casino, and there is a lot of construction taking place in that area, and he wants to know who paid for that?
- Freeman-Manzanares will ask staff to look into this. It is likely part of the casino's construction project.
- VanderDoes - noted the corner of Custer/North Avenue and Cleveland is a bad intersection for buses during rush hour. Is there anything staff can do to work with the City of Tumwater to make traffic at that location move more efficiently?
- Freeman-Manzanares said we do not have a signal priority project going in through that area. However, staff has had conversations with the jurisdictional traffic engineers, and will continue to have conversations about the benefits signal prioritization. The conversation will also include Martin Way and Galexy. Staff will also look at this from the Operators' perspective because they do report these types of issues to the Operations Communication and Policy Committee. It
then gets turned over to Planning and Development who in turn talks with the jurisdictions.


## REPORTS

- May 18, 2016 Work Session - No report.
- June 1, 2016, Regular Meeting - No report.
- Ursula Euler - provided the report from the June 15, 2016, Work Session. The Authority received the same presentations the CAC is receiving this evening. There was discussion about hybrid versus diesel buses. Chair Gadman indicated there was a consensus among the Authority regarding a financial accountability of not being able to justify continuing with the purchase of hybrids. Councilmember Sullivan pointed out how disposal of the hybrid batteries impacts the environment.


## - General Manager's Report

The Authority confirmed the reappointment of CAC members Leah Bradley, Sue Pierce, Victor VanderDoes and Michael Van Gelder at the June 1, 2016, meeting.

Sales tax was 11.8\% in May (typically comes from construction and car sales).
Ridership for May was at 362,091 boardings, which is down $1.3 \%$ from May of 2015. Year-to-date, there is $1,812,422$ boardings which is down $3.4 \%$ from the first five months in 2015.

The Olympia Pride Parade was well attended and Intercity Transit's participation was well received.

Intercity Transit will participate in both the Tumwater $4^{\text {th }}$ of July parade and the Lakefair parade, and all are invited to join in the fun.

NEXT MEETING: July 18, 2016.

## ADJOURNMENT

It was M/S/A by VanderDoes and See to adjourn the meeting at 7:57 p.m.

Minutes prepared by Pat Messmer
Executive Assistant/Clerk of the Board

# INTERCITY TRANSIT AUTHORITY AGENDA ITEM NO. 7-A <br> MEETING DATE: July 6, 2016 

FOR: Intercity Transit Authority
FROM: Eric C. Phillips, AICP, Development Director, 705.5885
SUBJECT: 2017-2020 Transportation Improvement Program Adoption

1) The Issue: Whether to adopt the 2017-2020 transportation improvement program (TIP) for projects with anticipated Federal funding over the next four years.
2) Recommended Action: Adopt the 2017-2020 Transportation Improvement Program (TIP) for projects with anticipated Federal funding.
3) Policy Analysis: Federal grant guidelines require that the TIP be adopted by the governing body.
4) Background: The draft 2017-2020 TIP presented for consideration for adoption tonight includes a listing of all capital projects anticipated to receive Federal funding over the next four years The agencies TIP is the first step in the annual cycle of reviewing and updating Intercity Transit's planning documents and identifying projects that need to be programmed into the state and federally required State Transportation Improvement Program (STIP).

This year's TIP update process began May 4, 2016, when the ITA scheduled a public hearing on the draft 2017-2020 TIP. Following formal public notice and additional notice onboard buses and posted to the Intercity Transit website, the Authority conducted a public Hearing on June 1, 2016. No formal written comments or public testimony was provided during the comment period or at the June 1 hearing.

The draft TIP is consistent with projects that are identified in Intercity Transit's 2015-2025 Capital Improvement Program (an internal planning document), the 2015-2020 Transit Development Plan, and the 2016-2021 Strategic Plan. These documents are published and available on the agency website.

Program elements in the draft 2017-2020 TIP include:

- Preventive maintenance of vehicles in IT's fleet during the years 2017-2020;
- Purchasing of heavy duty coaches (25) to replace ones that have been in service beyond their expected useful life;
- Purchasing additional or replacement vanpool vans;
- Construction to replace aging underground storage tanks (USTs) at IT's maintenance and operations facility;
- Continuing Youth Education Program(s) that fosters potential for using transit and/or bicycle forms of transportation;
- Providing bus stop enhancements including ADA improvements in partnership with local agencies;
- Construction of the Olympia Transit Center Improvements utilizing secured Federal and Local fund sources;
- Funding the Design and Engineering Phase for the Pattison Maintenance and Operations base Expansion; and
- Funding which anticipates utilization of PSRC "earned share" portion of formula funds for activities supporting vanpool vans and commuter coach operations.

A significant project that Intercity has not secured federal funding for - The Phase 2 Pattison Maintenance Facility Expansion Project - is identified in the TIP as a regionally significant project. Anticipated funding needed for this project has been adjusted this year to $\$ 26$ million. This project is related but separate from the UST project (UST Phase $1-\$ 7.6$ Million) identified in the project list above.

Projects identified in the draft TIP are also subject to review by the Thurston Regional Planning Council and Puget Sound Regional Council (for projects that include secured or anticipated PSRC Earned Share formula funds), for inclusion in the respective regional TIP (RTIP). Federally funded projects must also be included by Intercity Transit through TRPC/PSRC for federal and state approval in the STIP prior to actual funding being available. 2017-2020 TIP projects total more than $\$ 70.8$ million with more than $\$ 47.7$ million of federal funding anticipated.
5) Alternatives:
A. Adopt the 2017-2020 TIP as recommended. This will meet our local requirements for programming Federal funds.
B. Reject the draft TIP or refer for additional review. This will potentially delay federal grant funding programs.
6) Budget Notes: The TIP reflects projects that could be considered for 2017 through 2020 annual Intercity Transit budgets.
7) Goal Reference: The TIP process project elements support agency goals: Goal \#1: "Assess the transportation needs of our community throughout the Public Transportation Benefit Area." Goal \#4: "Provide responsive transportation options within financial limitations."
8) References: Exhibit 1 - Proposed- Final 2017-2020 TIP

| IT \# | Project | 2017 | 2018 | 2019 | 2020 | TOTAL 2017-2020 | Federal | Type | Local | Total | Project Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{\|c\|} \hline \text { IT } \\ \hline 1601 \end{array}$ | Capital Preventive Maintenance (TRPC \& PSRC estimated apportionments) | \$5,766,570 | \$5,881,901 | \$5,999,539 | \$6,119,530 | \$23,767,541 | \$19,014,033 | Sec. 5307 IT Apportionment \& PSRC Earned Share | 4,753,508 | 23,767,541 | Planned \& Secured 5307/5340 |
| $\begin{array}{\|c\|} \hline \text { IT } \\ 1602 \end{array}$ | Construction Phase for Replacement of Underground Storage Tanks at Pattison Maintenance Facility with grading to meet expansion needs. | \$7,600,000 |  |  |  | \$7,600,000 | \$2,900,000 | Sec. 5339 thru WSDOT and FHWA (STP) thru TRPC | 4,700,000 | 7,600,000 | Secured funding. Transfers from FHWA Completed 3/16 |
| $\begin{array}{\|c\|} \text { IT } \\ 1603 \end{array}$ | Vanpool Vans - <br>  <br> Expansion (PSRC est.) | \$456,093 | \$456,093 | \$912,186 | \$912,186 | \$2,736,558 | \$2,189,246 | Sec. 5307 \& PSRC Earned Share | 547,312 | 2,736,558 | Planned \& Secured (incluldes PSRC 5307 Earned Share) |
| $\begin{gathered} \text { IT } \\ 1604 \end{gathered}$ | FHWA Transfer (TAP \& CMAQ) Bus Stop Enhancements | \$185,000 | \$185,000 | \$185,000 | \$185,000 | \$740,000 | \$640,100 | FHWA (TAP) transfer to FTA | \$99,900 | \$740,000 | Planned FHWA funding 2016 forward. Applications in process. |
| $\begin{gathered} \text { IT } \\ 1605 \end{gathered}$ | FHWA Transfer (CMAQ \&/or TAP) Walk-N-Roll Youth Transportation Education | \$39,000 | \$39,000 | \$39,000 |  | \$117,000 | \$101,205 | FHWA (CMAQ in 2016) transfer to FTA | \$15,795 | \$117,000 | Planned FHWA funding 2016 forward. Applications in process. |
| $\begin{array}{\|c\|} \hline \text { IT } \\ \hline 1606 \end{array}$ | Vanpool \& Fixed Route Operations (PSRC est) | \$1,463,275 | \$1,463,274 | \$1,492,540 | \$1,492,540 | \$5,911,629 | \$2,955,814 | Sec. 5307 \& PSRC Earned Share | \$2,955,814 | \$5,911,629 | Planned \& Secured (includes PSRC 5307 Earned Share portion) |
| $\begin{aligned} & \text { IT } \\ & 1700 \end{aligned}$ | Olympia Transit Center Improvements <br> (Expansion - Design and CN Phases) | \$585,000 | \$6,345,000 | \$1,318,000 | \$270,000 | \$8,518,000 | \$4,362,500 | Earmark(s) Sec. 5309 and STP(U) TRPC | \$4,155,500 | \$8,518,000 | Planned and Secured (Includes 2016 68,500) |
| $\begin{gathered} \text { IT } \\ 1701 \end{gathered}$ | Replacement, heavy duty coaches - order in 2017-19 | \$4,140,446 | \$3,717,500 | \$2,087,500 | \$7,979,534 | \$17,924,980 | \$14,339,984 | Sec. 5307, 5339 \& PSRC Earned Share est. | \$3,584,996 | \$17,924,980 | (includes PSRC 5307 and 5339 Earned Share) |
| $\begin{array}{\|c\|} \hline \text { IT } \\ 1702 \end{array}$ | Pattison Mantenance Facility Expansion (Design and Engineering phase only) | \$700,000 | \$1,900,000 | \$900,000 |  | \$3,500,000 | \$1,225,000 | Sec. 5307, 5339 \& PSRC Earned Share est at only 35\% Match | \$2,275,000 | \$3,500,000 | Planned Not secured New Project Approval Required |
| Tota <br> Proje | Federal Funded cts | \$20,935,384 | \$19,987,768 | \$12,933,765 | \$16,958,790 | \$70,815,708 | \$47,727,883 |  | \$23,087,825 | \$70,815,708 | Secured and Estimated Federal Funding Sources |
| Regionally Significant Project - Federal Funds Not Yet Identified |  |  |  |  |  |  |  |  |  |  |  |
| IT \# | Project | 2017-2020 |  |  |  | State | Type | Local | Total | Federal |  |
|  | Pattison Maintenance Facility Expansion |  | \$26,000,000 |  |  |  | unknown | unknown | unknown | unknown | Regionally Significant RTIP Project Contingent on Securing Federal \$\$ |
|  |  | NOTES: Grant type: Sec. 5307 \& PSRC* 5307 Earned Share - Urban area formula program administered by the Federal Transit Administration. Amount is determined by urban area population, population density, and NTD stats for revenue miles traveled. Federal funding match requirements are typically 80/20. Projects with different matching requirements will be noted.*Puget Sound Regional Council |  |  |  |  |  |  |  |  |  |

# INTERCITY TRANSIT AUTHORITY <br> <br> AGENDA ITEM NO. 7-B <br> <br> AGENDA ITEM NO. 7-B <br> MEETING DATE: July 6, 2016 

FOR: Intercity Transit Authority<br>FROM: Dennis Bloom, Planning Manager, 705-5832

SUBJECT: Review Draft of Annual Update of the Transit Development Plan

1) The Issue: Review update of the Transit Development Plan (TDP) for 2016-2021.
2) Recommended Action: For information and discussion purposes. Staff will provide a presentation on the highlights of the 2015 Annual Report and the 20162021 Transit Development Plan. This will provide a baseline of ridership information to kick-off the short and long range planning process.
3) Policy Analysis: The State requires the local transit's governing body to conduct a public hearing each year on the annual Transit Development Plan. Authority policy also provides an opportunity for public comment prior to approval of this plan.
4) Background: The State of Washington, under RCW Section 35.58.2795, requires each public transit system provide an annual status report and update of its Transit Development Plan (TDP). This requires the transit system to conduct a public hearing on the plan.

The update must include three elements:
a) Description of the system from the previous year (a 2015 Summary);
b) Description of planned changes, if any, to services and facilities (2016-21); and
c) Operating and capital financing elements for the previous year (2015), budgeted for current year (2016), and planned for five years (2017-2021).

This year's update remains an administrative process to fulfill state requirements. The annual update of Intercity Transit's "strategic plan," which more fully explores policy, service, capital projects and budget and had been traditionally a part of the TDP process, continues later this year after submission of this document.

A public hearing on the TDP is anticipated for August 3, 2016, with a request for adoption by the ITA on August 17, 2016. Staff will also present an overview of the annual TDP update to the Citizen Advisory Committee on July 18.

## 5) Alternatives: N/A.

6) Budget Notes: This is currently covered under the 2016 Budget. The TDP simply reports on past and projected agency elements based on the current budget year. The development of next year's budget will be accomplished later in 2016, when discussions on the annual update of the agency's Strategic Plan takes place.
7) Goal Reference: The conducting of a public hearing for the draft TDP reflects all current goals established for the agency.
8) References: Draft: 2015 Annual Report \& Transit Development Plan 2016-2021.

2016 Timeline for TDP Process:
July 6, ITA: Present Draft TDP
July 18, CAC: Present Draft TDP
July 20, Public: Draft available to the public
August 3, ITA: Conduct Public Hearing
August 17, ITA: Request to Adopt TDP

> DRAFT
> Intercity Transit
> 2015
> Annual Report
> $\mathcal{E}$
> $2016-2021$
> Transit Development Plan

Prepared by the
Intercity Transit Executive Department - Planning Division

Intercity Transit Authority:
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Ryan Warner - Vice Chair - Citizen Representative
Ed Bricker - Labor Representative
Bud Blake - Thurston County
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Intercity Transit complies with all federal requirements under Title VI, which prohibits discrimination on the basis of race, color or national origin.
If you have any questions concerning this policy or practice please, contact:
Intercity Transit, 526 Pattison SE, PO Box 659, Olympia, WA 98507 or by calling the agency's Title VI Officer at: 360.705.5885 or bholman@intercitytransit.com

This document can be made available in other accessible formats. Please contact Customer Service: 360-786-1881 or outside Thurston County: 1-800-287-6348 TTY: 360-943-5211, Fax: 360-943-8760 or Customerservice@intercitytransit.com.

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## Introduction to Intercity Transit's 2015 Annual Report and 2016-2021 Transit Development Plan

This year's Transit Development Plan (TDP) continues a practice adopted by Intercity Transit in 2005. Prior to 2005 the "TDP process" was an opportunity to engage our governing body - the Intercity Transit Authority - our employees, customers and the general public to help define the direction of the transit system for the next six years.

At the time the TDP was combined with the update of the agency's "Strategic Plan," which provided an in-depth process for considering and developing future service designs, capital facilities, equipment, agency policies and other key business strategies. It also served as the basis for developing the coming year's annual budget. The time frame for this process covered several months and was completed each year in June and submitted to the WSDOT as required by Washington State law, RCW 36.57A.

With changes in WSDOT reporting requirements for the TDP in 2004 the current Intercity Transit process, established in 2005, now provides the basic reporting components and sections required under Washington State law. Intercity Transit however, continues to involve the public, agency staff, our Citizen Advisory Committee (CAC) and Transit Authority in annually reviewing and updating our "Strategic Plan," which is a separate process and document. The 'Plan' utilizes components of the TDP, but provides the more in-depth analysis and discussions for developing next year's annual budget (2017) and provides guidance for the future direction of the agency.

This year's "Draft 2015 Annual Report and 2016-2021 Transit Development Plan" will be presented at the Intercity Transit Authority meeting on July 6, 2016. Distribution of the draft document will then be made available the following week on Intercity Transit's web site, at local public libraries, Intercity Transit's OTC Customer Service Center in downtown Olympia, or by contacting Intercity Transit's administrative office. Local media news will be notified about the document and a notice and invitation to the public to comment on the TDP either electronically, by mail, fax, telephone, or in person at the hearing will be provided through the distribution of an on-board Rider News newsletter (July) with details on our web site and other social media outlets. This year it is anticipated the public hearing will be held at the Transit Authority meeting, 526 Pattison St SE, Olympia, WA, on August 03, 2016, starting at 5:30 pm.

## Section 1: Organization

This document represents Intercity Transit's annual update of a 5-year Transit Development Plan (TDP), as required under Washington State RCW Section 35.58.2795 and the federal Moving Ahead for Progress in the 21 ${ }^{\text {st }}$ Century (MAP-21). This report provides summary information for 2015 as well as projected changes for 2016-2021.

Intercity Transit, the business name for the Thurston County Public Transportation Benefit Area (PTBA), was established in September 1980 as authorized by Washington State law, RCW 36.57A. A brief history of the agency follows.

## Agency History

September 1980: Voters from Olympia, Lacey, Tumwater, and the surrounding urban area, approved collection of a sales tax of up to 3/10ths of $1 \%$ for the PTBA. On January 1, 1981, the PTBA Authority formally assumed control of local transit services previously operated through an intergovernmental agreement between the cities of Lacey, Olympia, and Tumwater.

May 1992: Further expansion of the Intercity Transit service area occurred. Thurston County voters outside the urban area approved the $3 / 10$ ths of $1 \%$ sales tax to support the expansion of the PTBA to include all of Thurston County. This included the south county cities and towns and rural areas of unincorporated Thurston County.
1995-1999: Local sales tax revenue slowed dramatically and resulted in the gradual reduction of service as a way of balancing service costs with revenues. In March 1999, a proposed 2/10ths of $1 \%$ increase in the sales tax for preserving service and a modest expansion failed, forcing an $8 \%$ reduction in service. Then in November '99, statewide Initiative 695 passed, which cut Motor Vehicle Excise Tax (MVET) revenue for transit. The courts found it unconstitutional, but the State Legislature subsequently eliminated it for public transit use.
2000-2002: The loss of MVET funding resulted in a decrease of $40 \%$ in revenue and required a $42 \%$ service reduction in February 2000. In early 2002, a Public Transportation Improvement Conference was convened of the jurisdictions in Thurston County resulting in agreement that reduced the service boundary to the urbanized areas of Olympia, Lacey, Tumwater and Yelm. The new boundary, established September 2002, became effective January 2003. In September ' 02 , voters within the new boundary approved an increase of $3 / 10$ ths to $6 / 10$ ths of $1 \%$ in local sales tax. The new rate went into effect in 2003.

2003-2005: Incremental service increases in 3 phases began. This reversed a trend that saw over a 50\% reduction in fixed-route service since 1995. Both Phase 1 (February '03) and Phase 2
(September '04) included $15 \%$ increases in service hours. A new corporate logo, bus graphics, and uniforms were also introduced in'04. During 2005 the focus was on rebuilding the fleet, updating operational software and systems, improving facilities, accessibility and shelters at bus stops and completing market research and ridership studies.

2006-2007: Implemented a Phase 3 increase of over 15\% in service hours. A circulator route, "Dash," was begun between the Capitol Campus and downtown Olympia. Completed a fixed route Short and Long Range Service Plan; 26 expansion vanpools acquired; installation of a communications system with advanced digital radio, AVL tracking, stop announcements and auto-passenger counters were completed in '07. In '07 a new multi-year service plan and a foundation for technological investments got underway. A small increase in service hours was implemented and upgrading of the fleet included 23 new buses (5 expansion), three Dial-A-Lift vans and 44 vanpools ( 27 expansion). Total system boardings in ' 07 increased $12 \%$ above ' 06 . A
new education program, "Smart Moves," for middle and high school students began; completed state funded Trip Reduction program with state offices in Tumwater; engaged over 1,000 participants in the annual Bicycle Commuter Contest.
2008-2009: An 11\% increase in service hours focused on local service enhancements and 15 minute service on major corridors. Expansion of the Martin Way Park \& Ride Lot (Lacey) began. Installation of on-board security camera for the fleet was completed. System wide ridership hit new record of over 5.1 million boardings in ' 08 as fuel prices nationwide rose to $\$ 3.50 \mathrm{gal}$. Received two national awards in '09: APTA's "Outstanding Public Transportation System" for medium sized systems and FTA's "Success in Enhancing Transit Ridership." Martin Way P\&R expansion completed ( 138 to 319 stalls); completed major market research and ridership studies; completed master site plan for expansion of the operations base and updated plan for the Olympia Transit Center (OTC) expansion; received WSDOT grants to construct a 300 stall P\&R on the Thurston County Waste and Recovery Center; and a 'Safe Routes to Schools' program for bicycle youth program at several schools. System's base fare increased from $\$ .75$ to $\$ 1$.

2010-2011: Acquired six hybrid replacement buses. Voters approved a $0.2 \%$ increase in local sales tax for transit, bringing the rate to $0.8 \%$ beginning Jan. '11. A Discounted Bus Pass pilot program began, to help local non-profit and human service agencies with their client's transportation needs. CTR law changes significantly increased the number of affected Thurston County worksite. $30^{\text {th }}$ Anniversary in 2011. Implemented a $3.1 \%$ service increase. Implemented an online trip planner and a regional application for 'next bus' information. Selected by FTA to receive ISO 14001-certified Environmental and Sustainability Management System (ESMS) training and created an agency ESMS. Continued major capital facility projects for the OTC (including accommodations for Greyhound), Operations Base, and Hawks Prairie P\&R Lot. Completed DAL client survey. Record fixed-route ridership of 4.5 million, and 5.3 million system wide.

2012: First transit system in the country to be awarded 'Gold Level' APTA Sustainability Commitment status. Continuation of innovative programs including Smart Moves youth outreach and BikePARTners that supports healthy commutes to schools. Bicycle Commuter Contest celebrates 25th Anniversary. Mike Harbour, GM for 17 years, moves on. Ann FreemanManzanares, Development Director, appointed Interim GM. Base adult fare increase of $25 \%$ approved for fixed route service and a $10 \%$ increase for vanpool fares. Demonstration Discounted Pass Program, begun in 2010, approved for future years. New federal legislation under "MAP21" eliminates discretionary funding for buses and bus facilities.
2013: ITA selects Ann Freeman-Manzanares as new General Manager. Local base fare increased from $\$ 1$ to $\$ 1.25$. New 332 stall Hawks Prairie Park \& Ride Lot officially opens in NE Lacey and receives American Public Works Assoc. "Project of the Year" for Washington State. Agency earns ISO 14001 Certification for Sustainability and Environmental practices, one of only nine transit systems in the country that have earned it to date. Implemented two WSDOT grant funded demonstration Express routes for service between Tumwater/Lakewood and limited Sound Transit peak service between Olympia/Seattle; includes partnering and opening a 30 stall park \& ride at a State Dept. of Health lot in Tumwater.

2014: Saw a modest $1 \%$ annual increase in fixed route ridership, but our $3^{\text {rd }}$ highest ridership year. The 'Walk N Roll' youth outreach program along with Bike PARTners continued to grow and is now in every school district we serve. Technology enhancement included relocating computer servers to a state agency facility in Olympia, which significantly reduced safety issues and remodeling costs on-site. Received Thurston County Chamber of Commerce 'Green Business of the Year Award.'

2015: The 'Walk N Roll' program continued to grow, adding 6 more schools to the program. Enhanced ADA accessibility to 30 more bus stops including the addition of four more shelters. Travel Trainers helped 72 individuals, teaching them to use bus service safely and confidently. Achieved first-ever statewide Grand Champion honor in State Public Transportation Roadeo competition.

## Governing Board

The Intercity Transit Authority governs the organization. The board increased to nine members with a state mandated addition of a labor representative in 2010. The other members consist of five elected officials representing the jurisdictions of Thurston County, Lacey, Olympia, Tumwater, and Yelm, plus three citizen representatives appointed by the Transit Authority. Citizen representatives serve three-year terms and elected officials are appointed by their respective jurisdiction. Intercity Transit is the only system in Washington State with citizen members serving on its governing board.

## Table of Organization

At the end of January 2015, Intercity Transit had 314 full-time equivalent staff positions (see table below for FTE's and Appendix A for organization chart).

| Department | Jan | Jan | Jan | Jan |
| :--- | :---: | :---: | :---: | :---: |
|  | $\mathbf{2 0 1 3}$ | $\mathbf{2 0 1 4}$ | $\mathbf{2 0 1 5}$ | $\mathbf{2 0 1 6}$ |
| Executive | $\mathbf{4 . 5}$ | $\mathbf{3 . 0}$ | $\mathbf{3 . 0}$ | $\mathbf{3 . 0}$ |
| Development - (moved under Executive mid-2013) | $\mathbf{1 8 . 2 5}$ | $\mathbf{1 7 . 2 5}$ | $\mathbf{1 8 . 7 5}$ | 19.0 |
| Grants \& Sustainability | 3.0 | 2.0 | 2.0 | 2.0 |
| Planning | 4.0 | 4.0 | 4.0 | 4.0 |
| Procurement/Inventory | 6.0 | 6.0 | 7.0 | 7.0 |
| Marketing \& Communications | 5.25 | 5.75 | 5.75 | 6.0 |
| Human Resources - Assistants \& Analysts | 4.5 | $\mathbf{6 . 0}$ | $\mathbf{6 . 0}$ | $\mathbf{7 . 0}$ |
| Finance \& Administration | $\mathbf{1 1 . 0}$ | $\mathbf{1 1 . 0}$ | $\mathbf{1 1 . 0}$ | $\mathbf{1 0 . 0}$ |
| Accounting, Inventory, Clerical, | 6.0 | 6.0 | 6.0 | 5.0 |
| *Information Systems to Maintenance mid '08 | $5.0^{*}$ | 5.0 | 5.0 | 5.0 |
| back to Finance late-'10 |  |  |  |  |
| Operations: | $\mathbf{2 2 1 . 0}$ | $\mathbf{2 2 9 . 0}$ | $\mathbf{2 3 2 . 0}$ | $\mathbf{2 2 6 . 0}$ |
| Operators | 179.0 | 185.0 | 188.0 | 181.0 |
| Customer Service | 8.0 | 8.0 | 8.0 | 8.0 |
| Vanpool staff | 5.0 | 5.0 | 5.0 | 6.0 |
| Dial-A-Lift staff | 11.0 | 11.0 | 11.0 | 11.0 |
| Supervisors and Administrative | 15.0 | 18.0 | 18.0 | 18.0 |
| *Village Vans to Operations in '10 | 1.75 | 2.0 | 2.0 | 2.0 |
| Maintenance: (moved under Operations early 2014) | 48.0 | $\mathbf{4 7 . 0}$ | $\mathbf{4 7 . 0}$ | 49.0 |
| Coach/Auto Technicians | 22.0 | 22.0 | 22.0 | 22.0 |
| Facilities Maintenance | 7.0 | 7.0 | 7.0 | 7.0 |
| Other Maintenance | 19.0 | 18.0 | 18.0 | 18.0 |
| Total Employees | $\mathbf{3 0 7 . 2 5}$ | $\mathbf{3 1 3 . 7 5}$ | $\mathbf{3 1 7 . 7 5}$ | $\mathbf{3 1 4 . 0}$ |

## Section 2: Physical Plant

Intercity Transit dispatches all services from its administrative/operations base facility at 526 Pattison Street SE, Olympia. See Appendices for the completed forms for the State's information about Intercity Transit's rolling stock, owned equipment, and facility inventories.

## Section 3: Service Characteristics - 2015

During 2015, Intercity Transit provided a variety of transportation services benefiting the citizens of Thurston County (See Appendix for service area district maps):

## Fixed Route Service Operation

During 2015, 25 fixed routes as well as ADA paratransit (Dial-A-Lift) service were provided. Days of service on weekdays, generally 5:40 a.m. - 11:55 p.m.; Saturdays, generally 8:15 a.m. 11:55 p.m.; and Sundays between 8:30 a.m. - 9:00 p.m. No service on three national holidays. Fares: Recovered $11.7 \%$ of operating costs for Local service and $9.9 \%$ for Express.
Total Boardings: 4,306,582, a decrease of $-4.2 \%$ from 2014.

## Services for Persons with Disabilities Operation

"Dial-A-Lift" provides door-to-door service for people with qualified ADA disabilities, which prevents them from using regular bus services. Dial-A-Lift hours of operation reflect all Fixed Route service. No service on three national holidays.
Fares: Recovered about 3.5\% of operating costs.
Total Boardings: 161,594, an increase of $4.7 \%$ above 2014.
2014 Fare Structure for Fixed Route and Dial-A-Lift Service

| Local Service | Pixed Route | Per <br> Ride | Daily <br> Pass | Monthly <br> Pass | Olympress Service <br> Per Ride |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Regular Adult | $\$ 1.25$ | $\$ 2.50$ | $\$ 36.00$ | Monthly <br> Pass |  |
| Youth (6-17 yrs) <br> [Under 5 ride free] | $\$ 1.25$ | $\$ 2.50$ | $\$ 15.00$ | $\$ 3.00$ | $\$ 90.00$ |
| Reduced* | $\$ .50$ | $\$ 1.00$ | $\$ 15.00$ | $\$ 90.00$ |  |
| Dial-A-Lift <br> Reduced* | $\$ 1.00$ | $\$ 2.00$ | $\$ 36.00$ <br> $\$ 15.00^{*}$ | $\$ 1.25$ | $\$ 37.50$ |

* Reduced Fare Permit required. Eligibility based on age, disability or possession of a Medicare card.


## Vanpool Services Operation

By the end of 2015 there were 192 Intercity Transit commuter vanpools in operation throughout the Puget Sound region. This was a decrease from 214 the year before. Over the year, the vanpools carried an average of 1,400 daily riders.
Intercity Transit staff markets the vanpool program to employers and individuals, facilitates group formation and provides defensive driver training. Vanpool groups lease the vehicles on a monthly mileage basis, operate independently and are generally in service weekdays, from 5 a.m. $-6: 30$ p.m.

Fares: Recovered $100 \%$ of the operating costs.
Total Boardings: 685,112 a decrease of 7.9\% from 2014.
Ridematching: Free service. Intercity Transit is a member of the Washington State Ridematch network that provides a computerized database of individuals interested in carpooling and vanpooling. Established in 1997, it allows commuters the ability to make contacts throughout the state either through a toll free call, over the internet or with a local transit system.

## Village Vans Operation

Service began in 2002 for this grant-funded program. Intercity Transit operates with three vans to help meet work-related transportation challenges for families with low incomes. The program provided employment support transportation for 238 individuals totaling 4,728 rides in 2015 ( $13.4 \%$ increase from 2014). Of the client base, $19 \%$ were qualified under Temporary Assistance for Needy Families and $81 \%$ were low-income receiving some type of state or federal assistance. Vans are driven by eligible job seekers participating in the Customized Job Skills Training Program, volunteering a total of 6,109 hours in 2015. Ten drivers secured employment (five in transportation) as did dozens of passengers. This innovative program works with representatives from the Departments of Employment Security, Social and Health Services, South Puget Sound Community College, WorkSource Thurston County, Pacific Mountain Workforce Development Council and other local service agencies to support their client needs.

## Commute Trip Reduction Program

In 2005, the Thurston region implemented a program transition with a cooperative effort that includes the Thurston Regional Planning Council overseeing program administration and worksite support and Intercity Transit providing outreach and marketing efforts. The partnership continues for the 2013-15 biennium. It makes a commitment to the goals of the CTR law while providing on-going assistance to both local jurisdictions and affected worksites. With the goal of reducing the number of single occupant vehicle trips, vehicle miles traveled, congestion, greenhouse gases, and providing other options for commuters, the region is now required under Senate Bill 6088 that all state worksites and state colleges - no matter the size - in the urban portions of Lacey, Olympia and Tumwater to participate in CTR. Currently, the regional team supports 196 active worksites of which 190 are affected sites and 6 are voluntary.

## Land Use Review and Support Program

Intercity Transit is one of a number of local agencies to review land use permitting requests. Staff works with local government staff (Development and Public Works departments), Planning Commissions, as well as public and private developers to maximize the opportunities for public transportation through effective land use planning and urban design. During 2015 staff received 347 submissions, reviewed 13 and commented on 13 applications requesting transit amenities that typically are for a stop, shelter or improved ADA access to an existing stop.

## Agency Performance

Intercity Transit actively pursues efforts to improve the internal operations of the agency through improved communications, increased employee involvement and better understanding of the needs and desires of customers and employees. These efforts are aimed at making Intercity Transit a valued employer and enabling employees to effectively serve their customers.
Intercity Transit reviews financial and ridership performance on a monthly basis, and provides regular updates to the Citizen Advisory Committee and the Intercity Transit Authority.

## Section 4: Service Connections

In 2015 Intercity Transit provided connections with five other public transit operators, two rural regional service providers, as well as Greyhound and Amtrak service:

[^0]
# Mason County Transit 

Pierce Transit (PT)

Sound Transit (ST)

## AMTRAK

## Greyhound

Rural Transportation
(South Thurston Co - Olympia)

Park \& Ride Lots (P\&R)

Educational Facilities

Service connections between Shelton and Olympia's Capital Mall and Olympia Transit Center.

IT's Express service connects with PT's local service in Lakewood (Lakewood Station and SR 512 P\&R Lot) and Tacoma (connections at the Tacoma Dome Station, Tacoma Mall, and at numerous stops in downtown Tacoma.

IT funds a limited service ST Route 592 weekday extension between Olympia and DuPont, where it returns to regular service to Seattle. IT's Express routes also connect with ST service in Lakewood (Lakewood Station and SR 512 P\&R Lot), Tacoma Dome Station, and downtown Tacoma. From these locations riders can transfer to ST buses that travel to Seattle and Sea-Tac Airport or to Sounder passenger rail to Seattle.

Intercity Transit Routes 64 and 94 provide half hour peak and hourly off-peak service 7 days a week to the Olympia-Lacey Centennial Station location.

Four local Intercity Transit routes provide service within a block of the downtown Olympia Greyhound terminal.

South Thurston County system funded by a WSDOT grant provides regional connections with Intercity Transit routes in a number of locations within our service district.

Fixed routed service available at four lots:
Lacey: Martin Way P\&R (Local \& Express)
Hawks Prairie P\&R (Express)
Tumwater: DOH Lot (Local \& Express)
Thurston Co: Amtrak rail station (Local)
Fixed route service is available to many public and private schools throughout the service district. Of four school districts that exist within Intercity Transit's service district, 43 of the 50 public schools are served by transit routes. A number of these routes also have schedules that coincide with the school's opening and closing hours of operation.

Intercity Transit provides service to the Olympia campuses of South Puget Sound Community College and The Evergreen State College. The school's participate in local Commute Trip Reduction incentives and have transit pass programs for students, faculty and staff. Service is also available to Saint Martin's University (Lacey), but not onto the campus. The University has a student pass program for undergraduates.

## Section 5: Activities in 2015

Fixed route ridership decreased ( $-4.2 \%$ ) from the year before with 4.47 million boardings and $1.56 \%$ decrease overall for all services at 5.3 million boardings. Significant agency activity during the year continued with on-going capital facility project reviews and work on environmental sustainable goals. The effort to limit the use of non-renewable resources, reducing waste and
pollution, promoting public stewardship and protecting the natural environment as much as possible has been incorporated into training of all Intercity Transit staff. This year we conducted our second 'surveillance' audit of the agency's international ISO 14001 Certification and maintained it.

Capital facilities involved the continuing effort to accommodate needed growth with retrofitting of the Olympia Transit Center and on-going efforts to secure additional funds for fuel tank replacements at our Pattison Street operations base. Highlights of other agency efforts during the year included:
New Fleet Vehicles: Vanpool - 42 replacements acquired.
Transit Service: Service hours increased slightly ( $0.3 \%$ ) with the extension of Route 42 to serve the Thurston County's Accountability and Restitution Center in Tumwater.

New Shelters and Amenities: Retrofitted 2 additional shelters with interior solar lighting. Accessibility improvements were added to 30 stops. This included 2 completed through private developer improvements, 1 through local road improvements and 4 shelters/pads added to existing stops.

Service Planning: Continued to monitor service and make service adjustments to improve ontime performance and transfer connections. On-going participation with local jurisdictions on road improvement projects including regional projects for I-5 (JBLM, various interchanges) and SR 101. The "Smart Corridor" transit priority demonstration project got underway with the hiring of a consultant team to help implement the project over the next 2 years.

Ridership: System-wide Total Boardings (Fixed Route, DAL and Vanpool) decreased -4.5\% from 2014. The downturn, though modest, appears to reflect a drop in regional fuel prices. Fixed Route boardings decreased $-4.2 \%$, Vanpooling was down $-7.9 \%$, but Dial-A-Lift increased $4.7 \%$.

Village Van: This unique 'Welfare-to-Work' transportation program had 4,728 boardings ( $13.4 \%$ increase from 2014) but provided transportation to 238 low-income job seekers and workers during 2015. This program operates in partnership with 16 local social and public service agencies, including the South Puget Sound Community College and WorkSource Thurston County. The program trains individuals to become skilled employees and provides rides to qualified individuals.
Vanpool Program: The 685,112 passenger trips recorded during 2015 was a decrease of $-7.9 \%$ from the previous year's tally. The decrease appears to reflect partly the increase in monthly fares but also the drop in local fuel prices. Groups dropped from 220 in 2014 to 192. Vans operate throughout a five countywide region. With certified and trained volunteer drivers in place, these vanpools carried an average of 1,400 daily riders removing over 1,000 vehicles from our congested roadways each weekday.

Innovative Programs: Intercity Transit continued the growth of its "Walk N Roll" youth education program throughout the year reaching an estimated 2,429 students in 17 schools through field trips, school assemblies, and special events like, "Bike and Walk to School Days." The program also included after school classes where students receive 8 hours of bike maintenance and safe riding instruction. Student completing the class earned a functional bike, helmet, lock and lights. Total instruction time was 592 hours. The intent of this award winning program is to build the next generation of safe and healthy bikers, walkers and transit riders. We also provided on-line trip planning for fixed route service and participation in regional smart phone applications for 'next bus' arrival information and trip planning. Our Travel Training and Bus Buddy program also works with individuals to help them either transition from paratransit DAL service to fixed route or to help with people becoming comfortable with riding a bus.

## Section 6: State Proposed Action Strategies 2016-2021

The Washington State Department of Transportation (WSDOT) requires transit agencies report how they are accomplishing the state's public transportation objectives as identified in state's Transportation System Policy Goals (RCW 47.04.280). This supersedes WSDOT's "Investment Guidelines" previously requiring listing of accomplishments.

## 1. PRESERVATION

Preserve and extend prior investments in existing transportation facilities and the services they provide to people and commerce.

| 2015 | 2016 -2021 |
| :---: | :---: |
| Continued Effort | Continuing Effort |

2015

2016-2021

- Programmed funds continued for facility repairs at the central base as well as maintenance of all transit centers.
- Vanpool program had 42 replacements, which keeps the fleet at 257 vans.
- Continued efforts on fuel tank replacements and expanding vehicle parking at Intercity Transit base of operations.
- Continued master plan for expansion of the Olympia Transit Center for fixed route service and an interstate private carrier (Greyhound).
- Maintained two WSDOT Regional Mobility Grants for service enhancements of Express service along the I-5 corridor between Thurston and Pierce Counties. Includes weekday service between Tumwater Lakewood and extension of existing ST 592 (DuPont/Seattle) to Olympia.
- Depending on how much local economic recovery might occur it appears that basic service levels may remain the same over the next 3-5 years.
- Update fixed route Short (6yr) and Long Range (20 yr) Service Plan.
- Intercity Transit will continue to provide performance measurement reports that provide summaries to the public providing attributes, costs and utilization of the existing system services.
- Continue to replace aging fleet vehicles but the loss of federal discretionary grant funding continues to have a major impact on agency finances.
- Continue work on capital facility projects, but expansion/remodeling of Operations Base in Olympia will be toward fuel tank replacement and environmental work while the rest of the project is on hold due to change in federal assistance. Continue effort to expand the downtown Olympia Transit Center as a transportation hub, including accommodating Greyhound service.


## 2. SAFETY

Target construction projects, enforcement, and education to save lives, reduce injuries, and protect property.

| 2015 | 2016 - 2021 |
| :---: | :---: |
| Made Progress | Continuing Effort |

2015

- Safety is the system's \#1 priority. A Safety Committee meets monthly and, if necessary, confers on major events. Reviews monthly safety report, maintains ongoing safety records, and makes recommendations to General Manager on issues involving employee and customer safety.
- Outreach program to local schools for "Bike and Walk to School Days." Other sponsored programs include classes where students receive a recycled bike and learn maintenance and traffic skills and PE classes where students learn how to walk and bike to stay healthy and safe.
- Regular and on-going training of Operations and Maintenance staff as well as other agency support staff, remains a vital component of the organization.
- Participates in local and regional efforts to increase and improve security components within the service district and improve coordination between agencies, especially with local emergency services.
- Updated security cameras to capture images for service facilities. Cameras dramatically improved the ability to document safety concerns and to provide additional evidence in the case of security and accidents.
- Continued participation in the regional coordination of the Puget Sound Transportation Recovery Plan for major disruptions to vital transportation facilities and links at both the local and regional level. Continued a staff committee to review and assemble an Emergency Preparedness Plan.
2016-2021
- Agency will continue to develop programs for agency staff. In-house safety programs and committees will meet on a regular basis to review existing conditions with an eye toward making improvements.
- Continue to work and make improvements with other public agencies and school districts regarding safety on both the local and regional level.
- Inter-local project with City of Tumwater to improve on-street Tumwater Sq. transfer station accessibility, pedestrian safety and bus alignments.
- Provide training to ensure understanding and integration of National Incident Management System, the Emergency Preparedness and Security Plan and the continuity of an Operations Plan. Continue to acquire and implement modifications to facilities and vehicles to increase safety and security for customers and employees.


## 3. STEWARDSHIP

Continuously improve the quality, effectiveness, and efficiency of the transportation system.

| 2015 | 2016 -2021 |
| :---: | :---: |
| Continued Effort | Continuing Effort |

[^1]modes as well as Transportation Demand Management and Commute Trip Reduction efforts.

- Active in local and regional partnerships that regularly review, plan, coordinate and implement improvements to the local transportation network of roads, technology and services.
- Transit staff regularly attend community business association meetings to update and provide leadership in efforts to support and improve local and regional transportation network.
- Actively participate in a coordination network of human service organizations to improve mobility for those challenged by income, age and/or disabilities.
- Actively participating in on-going efforts of the regional Sustainability Plan that includes housing and transportation choices.
- Staff will continue to work with and participate in community based efforts to improve transportation efficiency in both the technical and service fields.
- Staff will actively participate in continuing partnerships that address transportation issues locally and regionally, including but not limited to updates of local Comprehensive Plans, Joint Base Lewis McChord/I-5 impacts, Inter-change Justification Reports (I-5), and Regional Transportation Plan updates.


## 4. MOBILITY

Facilitate movement of people and goods to contribute to a strong economy and a better quality of life for citizens.

| 2015 | 2016-2021 |
| :---: | :---: |
| Made Progress | Continuing Effort |

2015

- Intercity Transit staff continues to participate in local and state planning efforts to develop and improve alternatives to single occupant vehicles. Staff also takes an active role with regional long range transportation planning activities dealing with congestion and environmental impacts.
- Intercity Transit and Thurston Regional Planning Council cooperatively participate in local CTR efforts including promotional marketing efforts with employers around Thurston County. We continued to provide significant education and outreach program efforts to public schools (over 2,400 students). And staff coordinates annual county-wide bicycle commuting contest (May of each year).
- Staff regularly participates in local jurisdictional land use reviews, development of community design components (land and roads) and comments on transportation/transit integration and ADA accessibility.
- Provided service integration with four other public transit providers, one rural regional service provider, as well as interstate bus and passenger rail service.
- Continued regional integration of transportation services for fixed route and Dial-A-Lift (paratransit) services and a commuter Vanpool program as well as a Village Van program for qualified low-income recipients.
- Continued fare integration partnerships with public agency employers and colleges that support employees and students use of transit. This included
on-going work with WSDOT on state employee's transit 'STAR Pass' program. The pass is available to all State employees working in Thurston County. Locally, student pass programs with the South Puget Sound Community College, Evergreen State College and St. Martin's University continued. Pass agreements with Thurston County, the Thurston Regional Planning Council and City of Olympia continued.
- Intercity Transit staff regularly participates in local and regional meetings and with local, regional, state and tribal staff. Over the past year, the agency continued the regional effort, now funded with federal CMAQ funds, to make improvements in local traffic control technologies that will incorporate a 'transit signal priority' system.
- Continued for the 2015-17 Biennium two WSDOT Regional Mobility Grants for service enhancements of Express service along the I-5 corridor between Thurston and Pierce Counties.
- Intercity Transit staff will continue to work proactively on a range of transportation planning activities on the local and state level.
- Additional community based and target marketing efforts will continue.
- The agency will continue to work with the other regional transportation providers to improve service connections between providers.
- Staff will continue to work with local jurisdictions in partnership to improve public transportation accessibility between residential and commercial areas as well as on-going partnerships for road and safety improvements.
- Staff will also continue to work with local jurisdictions, state, and tribal organizations in partnership to improve public transportation in the region for services along state roads and federal interstate.
- Agency will continue to integrate improvements in information technology and transportation services. This includes web-based information, fare payment systems, mobile phone applications, on-street displays and other information materials that encourage and promote transportation alternatives.


## 5. ENVIRONMENTAL QUALITY AND HEALTH

Bring benefits to the environment and our citizens' health by improving the existing transportation infrastructure.

| 2015 | 2016-2021 |
| :---: | :---: |
| Made Progress | Continuing Effort |

## 2015

- Intercity Transit continues to utilize biodiesel fuel of a 5-20\% blend throughout the fleet. All buses run on ultra-low sulfur diesel. The agency meets all on-site water quality standards including recycling antifreeze, engine oil, office paper, cardboard and printer inks.
- In-house Sustainability Committee continued to review and analyze existing conditions, made recommendations for improving the agency's sustainability efforts, continued to provide in-house training of agency staff, and conduct an annual audit and report.
- Agency staff continued to monitor and track Sustainability Commitment status for Environmental \& Sustainability Policies and ISO 14001 certification of meeting those standards. Staff continued to coordinated in-house efforts
for training, monitoring and improving agency-wide sustainability efforts.
- On-going effort to coordinate and implement sustainability practices into a variety of transportation related programs and projects around our service district and region. This includes on-going participation with Sustainable Thurston County and Thurston Thrives activities
- Intercity Transit will continue to utilize biodiesel and ultra-low sulfur diesel. Higher blends of biodiesel maybe possible depending on cost.
- Implementing testing of synthetic oil for diesel engines, which anticipates a cost savings in total oil consumption and improved vehicle mileage.
- Agency core staff will continue work on Environmental and Sustainability Management Systems as a certified agency. Continue the audit and reporting process that "analyzes, controls and reduces the environmental impact of the agency's activities, products and services and to operate with greater efficiency and control."
- On-going review and consideration of better fixed route coach replacement technologies that can provide cleaner diesel engine and lower costs replacement parts than the current fleet of hybrid buses.
- Continue growth of the "Smart Moves" youth education program involving students, parents, teachers and community members to help students confidently and safely bicycle, walk, and ride transit. Support healthy choices year-round of biking, walking and transit use, including hosting the annual Thurston County Bicycle Commuter Contest and increasing our outreach efforts at employment sites effected by state and local Commute Trip Reduction requirements.


## Section 7: Summary of Proposed Changes 2016-2021

In addition to the efforts Intercity Transit will engage in to meet Washington State's Transportation System Policy Goals, the following table provides a summary of proposed changes for service, facilities and equipment over the next six years:

| 2016 | Preservation/Maintain | Expansion |
| :---: | :---: | :---: |
| Services | (Express) WSDOT grant funded | No Change |
| Facilities | Bus stop improvements (Tumwater Sq Transfer Station) | No Change |
| Equipment | DAL: 5 <br> Vanpools: 38 | DAL: 2 |
| $\underline{2017}$ | Preservation/Maintain | Expansion |
| Services | (Express) WSDOT grant funded thru 6/30/17 | No Change |
| Facilities | Bus Stop improvements | No Change |
| Equipment | Buses: 7 <br> Vanpools: 38 <br> DAL: 1 | Vanpools: 11 |


| $\underline{\mathbf{2 0 1 8}}$ | Preservation/Maintain | Expansion <br> Services <br> Facilities |
| :--- | :--- | :--- |
| Equipment | No Change | No Change |
|  | DAL: 18 <br> Vanpools: 37 | No Change |

VEHICLE PROJECTIONS


Capital Plan: 2015-2021

| Total Expenses |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Expenses | 2015 |  | 2016 | 2017 | 2018 | 2019 |  | 2020 | 2021 |
| Coaches | \$ | - | \$ - | \$ | \$ 3,151,425 | \$ 3,245,967 | \$ | 14,209,222 | \$ - |
| Major Vehicle Components | \$ | - | \$ - | \$ 1,800,000 | \$ | \$ 2,100,000 | \$ | - | \$ 1,500,000 |
| Dial-A-Lift Vans | \$ | - | \$ 1,054,712 | \$ 467,840 | \$ 2,905,287 | \$ 334,108 | \$ | 1,729,009 | \$ 178,952 |
| Vanpools |  | 988,616 | \$ 1,126,510 | \$ 1,503,446 | \$ 1,524,310 | \$ 1,347,586 | \$ | 2,245,209 | \$2,112,538 |
| Village Vans | \$ | - - | \$ | \$ | \$ | \$ 32,830 | \$ | - | \$ 70,337 |
| Total Expenses for Vehicles |  | 988,616 | \$2,181,222 | \$ 3,771,286 | \$ 7,581,022 | \$ 7,060,491 | \$ | 18,183,440 | \$3,861,827 |





| Facility Trailers | 2015 |  |  | 2016 |  | 2017 |  | 2018 |  | 2019 |  | 2020 |  | 2021 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Facility Trailer Unit Cost |  | \$15,000 |  | \$10,800 |  | \$11,200 |  | \$11,600 |  | \$12,000 |  | \$12,400 |  | \$12,800 |
| Vehicle Cost Inflation Rate |  | 3.5\% |  | 3.5\% |  | 3.5\% |  | 3.5\% |  | 3.5\% |  | 3.5\% |  | 3.5\% |
| Total Units Purchased |  | 1 |  | 0 |  | 0 |  | 0 |  | 0 |  | 0 |  | 0 |
| Total Expense | \$ | 15,000 | \$ | - |  |  |  | - | \$ | - | \$ | - | \$ | - |






| TOTAL OTHER CAPITAL COSTS | $\$ 1,908,000$ | $\$ 16,735,282$ | $\$ 11,837,000$ | $\$ 5,736,000$ | $\$ 29,432,203$ | $\$ 577,500$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |$\$ 22,922,000$

## Section 9: Operating Revenues 2015-2021

| WSDOT Report - 2015 | General Fund | Working Capital | Total |
| :---: | :---: | :---: | :---: |
| Beginning Balance January 1, $\mathbf{2 C O}^{\prime} 5$ | \$23,757,544 | \$9,437,091 | \$33,194,635 |
| Revenues |  |  |  |
| Sales Tax | 33,696,773 |  | 33,696,773 |
| Motor Vehicle Excise Tax |  |  | - |
| Farebox | 4,760,962 |  | 4,760,962 |
| Sales Tax Equalization |  |  |  |
| Federal Operating Grants | 3,948,818 |  | 3,948,818 |
| State Operating Grants | 1,759,477 |  | 1,759,477 |
| Other | 653,017 |  | 653,017 |
| Contribution To Accounts | $(364,567)$ | 364,567 | - |
| Total Available | \$68,212,024 | \$9,801,658 | \$78,013,682 |
| Operating Expenses |  |  |  |
| Vanpool/Rideshare P\&M | 1,724,094 |  | 1,724,094 |
| Vanpool/Rideshare System Expansion | - |  | - |
| Fixed Route P\&M | 21,379,926 |  | 21,379,926 |
| Fixed Route System Expansion |  |  | - |
| Commuter Bus P\&M | 2,887,771 |  | 2,887,771 |
| Commuter Bus System Expansion |  |  |  |
| Paratransit ADA P\&M | 8,045,987 |  | 8,045,987 |
| Paratransit ADA System Expansion | - |  | - |
| Rideshare/CTR P\&M | - |  | - |
| Amtrak Station P\&M | 65,484 |  | 65,484 |
| Annual Depreciation | 6,534,955 |  | 6,534,955 |
| Contribution To Accounts |  |  | - |
| Total Expenses | \$40,638,217 | - | \$40,638,217 |
| Add Back Depreciation | 6,534,955 |  | 6,534,955 |
| Net Cash Available | \$34,108,762 |  | \$34,108,762 |
| Capital |  |  |  |
| Capital Revenue |  |  |  |
| Federal Capital Grant - Sec 5307 |  |  |  |
| Federal Capital Grant - Sec 5309 | 614,238 |  | 614,238 |
| State Capital Grants | - |  | - |
| Total Capital Revenue | \$614,238 | - | \$614,238 |
| Capital Expenses |  |  |  |
| System P\&M |  |  |  |
| Equipment \& Furnishings | 820,318 |  | 820,318 |
| Replace Coaches - |  |  | - |
| Replace Shuttle Vans/Small Coaches |  |  | - |
| Replace DAL Vans - |  |  | - |
| Replace Vanpool Vans - | 988,624 |  | 988,624 |
| Replace Staff Vehicles |  |  | - |
| Facilities |  |  |  |
| System Expansion |  |  | - |
| Coach - |  |  | - |
| Shuttle Van - Small Coach |  |  | - |
| DAL Van |  |  | - |
| Vanpool Van |  |  | - |
| Facilities | 7,945 |  | 7,945 |
| Total Capital Expenses | 1,816,887 |  | \$1,816,887 |
| Ending Balance December 31, 2015 | \$32,906,113 | \$9,801,658 | \$42,707,771 |


| WSDOT Report - 2016 | General Fund | Working Capital | Total |
| :---: | :---: | :---: | :---: |
| Beginning Balance January 1, 2016 | \$32,906,113 | \$9,801,658 | \$42,707,771 |
| Revenues |  |  |  |
| Sales Tax | 33,696,773 |  | 33,696,773 |
| Motor Vehicle Excise Tax |  |  | - |
| Farebox | 4,760,962 |  | 4,760,962 |
| Sales Tax Equalization |  |  |  |
| Federal Operating Grants | 4,302,114 |  | 4,302,114 |
| State Operating Grants | 1,308,941 |  | 1,308,941 |
| Other | 2,889,670 |  | 2,889,670 |
| Contribution To Accounts | $(200,293)$ | 200,293 | - |
| Total Available | \$79,664,280 | \$10,001,951 | \$89,666,231 |
| Operating Expenses |  |  |  |
| Vanpool/Rideshare P\&M | 1,860,368 |  | 1,860,368 |
| Vanpool/Rideshare System Expansion | - |  | - |
| Fixed Route P\&M | 26,278,799 |  | 26,278,799 |
| Fixed Route System Expansion |  |  | - |
| Commuter Bus P\&M | 3,116,024 |  | 3,116,024 |
| Commuter Bus System Expansion |  |  |  |
| Paratransit ADA P\&M | 8,681,951 |  | 8,681,951 |
| Paratransit ADA System Expansion | - |  | - |
| Rideshare/CTR P\&M | - |  | - |
| Amtrak Station P\&M | 70,660 |  | 70,660 |
| Annual Depreciation | 6,731,004 |  | 6,731,004 |
| Contribution To Accounts |  |  | - |
| Total Expenses | \$46,738,807 | - | \$46,738,807 |
| Add Back Depreciation | 6,731,004 |  | 6,731,004 |
| Net Cash Available | \$39,656,477 |  | \$39,656,477 |
| Capital |  |  |  |
| Capital Revenue |  |  |  |
| Federal Capital Grant - Sec 5307 |  |  |  |
| Federal Capital Grant - Sec 5309 | 8,246,526 |  | 8,246,526 |
| State/Local Capital Grants | 22,500 |  | 22,500 |
| Total Capital Revenue | \$8,269,026 | - | \$8,269,026 |
| Capital Expenses |  |  |  |
| System P\&M |  |  |  |
| Equipment \& Furnishings | 555,500 |  | 555,500 |
| Replace Coaches - |  |  | - |
| Replace Shuttle Vans/Small Coaches |  |  | - |
| Replace DAL Vans - | 1,049,616 |  | 1,049,616 |
| Replace Vanpool Vans - | 1,126,510 |  | 1,126,510 |
| Replace Staff Vehicles | 122,100 |  | 122,100 |
| Facilities | 15,979,782 |  | 15,979,782 |
| System Expansion |  |  | - |
| Coach - |  |  | - |
| Shuttle Van - Small Coach |  |  | - |
| DAL Van |  |  | - |
| Vanpool Van |  |  | - |
| Facilities |  |  | - |
| Total Capital Expenses | \$18,833,508 |  | \$18,833,508 |
| Ending Balance December 31, 2016 | \$29,091,995 | \$10,001,951 | \$39,093,946 |


| WSDOT Report - 2017 | General Fund | Working Capital | Total |
| :---: | :---: | :---: | :---: |
| Beginning Balance January 1, 2017 | \$29,091,995 | \$10,001,951 | \$39,093,946 |
| Revenues |  |  |  |
| Sales Tax | 35,213,128 |  | 35,213,128 |
| Motor Vehicle Excise Tax |  |  | - |
| Farebox | 5,029,358 |  | 5,029,358 |
| Sales Tax Equalization |  |  |  |
| Federal Operating Grants | 3,732,215 |  | 3,732,215 |
| State Operating Grants | 385,922 |  | 385,922 |
| Other | 2,280,122 |  | 2,280,122 |
| Contribution To Accounts | $(158,881)$ | 158,881 | - |
| Total Available | \$75,573,859 | \$10,160,832 | \$85,734,691 |
| Operating Expenses |  |  |  |
| Vanpool/Rideshare P\&M | 1,889,921 |  | 1,889,921 |
| Vanpool/Rideshare System Expansion | 76,358 |  | 76,358 |
| Fixed Route P\&M | 26,619,881 |  | 26,619,881 |
| Fixed Route System Expansion |  |  | - |
| Commuter Bus P\&M | 3,165,522 |  | 3,165,522 |
| Commuter Bus System Expansion |  |  |  |
| Paratransit ADA P\&M | 8,819,865 |  | 8,819,865 |
| Paratransit ADA System Expansion | - |  | - |
| Rideshare/CTR P\&M | - |  | - |
| Amtrak Station P\&M | 71,783 |  | 71,783 |
| Annual Depreciation | 6,932,934 |  | 6,932,934 |
| Contribution To Accounts |  |  | - |
| Total Expenses | \$47,576,264 | - | \$47,576,264 |
| Add Back Depreciation | 6,932,934 |  | 6,932,934 |
| Net Cash Available | \$34,930,529 |  | \$34,930,529 |
| Capital |  |  |  |
| Capital Revenue |  |  |  |
| Federal Capital Grant - Sec 5307 |  |  |  |
| Federal Capital Grant - Sec 5309 | 1,037,943 |  | 1,037,943 |
| State Capital Grants | 320,007 |  | 320,007 |
| Total Capital Revenue | \$1,357,950 | - | \$1,357,950 |
| Capital Expenses |  |  |  |
| System P\&M |  |  |  |
| Equipment \& Furnishings | 7,337,000 |  | 7,337,000 |
| Replace Coaches - | 1,800,000 |  | 1,800,000 |
| Replace Shuttle Vans/Small Coaches |  |  | - |
| Replace DAL Vans - | 311,893 |  | 311,893 |
| Replace Vanpool Vans - | 1,165,938 |  | 1,165,938 |
| Replace Staff Vehicles | 197,347 |  | 197,347 |
| Facilities | 4,500,000 |  |  |
| System Expansion |  |  | - |
| Coach - |  |  | - |
| Shuttle Van - Small Coach |  |  | - |
| DAL Van | 155,947 |  | 155,947 |
| Vanpool Van | 337,508 |  | 337,508 |
| Facilities |  |  | - |
| Total Capital Expenses | \$15,805,633 |  | \$15,805,633 |
| Ending Balance December 31, 2017 | \$20,482,846 | \$10,160,832 | \$30,643,678 |



Total Capital Expenses

Ending Balance December 31, 2018

| General Fund | Working Capital | Total |
| :---: | :---: | :---: |
| \$20,482,846 | \$10,160,832 | \$30,643,678 |
| 37,357,607 |  | 37,357,607 |
| 5,213,432 |  | $5,213,432$ |
| 3,273,399 |  | 3,273,399 |
| 385,922 |  | 385,922 |
| 1,065,916 |  | 1,065,916 |
| $(482,014)$ | 482,014 | - |
| \$67,297,108 | \$10,642,846 | \$77,939,954 |
| 2,059,556 |  | 2,059,556 |
| 79,981 |  | 79,981 |
| 27,802,705 |  | 27,802,705 |
|  |  | - |
| 3,315,689 |  | 3,315,689 |
|  |  | - |
| 9,238,265 |  | 9,238,265 |
| - |  | - |
| - |  | - |
| 75,188 |  | 75,188 |
| 7,140,922 |  | 7,140,922 |
|  |  | - |
| \$49,712,306 | - | \$49,712,306 |
| 7,140,922 |  | 7,140,922 |
| \$24,725,724 |  | \$24,725,724 |
| 3,574,865 |  | 3,574,865 |
| 329,457 |  | 329,457 |
| \$3,904,322 | - | \$3,904,322 |
| 5,293,000 |  | 5,293,000 |
| 3,151,425 |  | 3,151,425 |
|  |  | - |
| 2,905,287 |  | 2,905,287 |
| 1,174,992 |  | 1,174,992 |
| 269,764 |  | 269,764 |
| 443,000 |  | 443,000 |
|  |  | - |
|  |  | - |
|  |  | - |
| 349,322 |  | 349,322 |
|  |  | - |
| \$13,586,790 |  | \$13,586,790 |
| \$15,043,256 | \$10,642,846 | \$25,686,102 |


| WSDOT Report - 2019 | General Fund | Working Capital | Total |
| :---: | :---: | :---: | :---: |
| Beginning Balance January 1, 2018 | \$15,043,256 | \$10,642,846 | \$25,686,102 |
| Revenues |  |  |  |
| Sales Tax | 38,478,335 |  | 38,478,335 |
| Motor Vehicle Excise Tax |  |  |  |
| Farebox | 5,401,440 |  | 5,401,440 |
| Sales Tax Equalization |  |  |  |
| Federal Operating Grants | 3,338,867 |  | 3,338,867 |
| State Operating Grants | 385,922 |  | 385,922 |
| Other | 978,344 |  | 978,344 |
| Contribution To Accounts | $(494,070)$ | 494,070 | - |
| Total Available | \$63,132,094 | \$11,136,916 | \$74,269,010 |
| Operating Expenses |  |  |  |
| Vanpool/Rideshare P\&M | 2,238,860 |  | 2,238,860 |
| Vanpool/Rideshare System Expansion | 83,694 |  | 83,694 |
| Fixed Route P\&M | 29,009,690 |  | 29,009,690 |
| Fixed Route System Expansion |  |  | - |
| Commuter Bus P\&M | 3,469,613 |  | 3,469,613 |
| Commuter Bus System Expansion |  |  |  |
| Paratransit ADA P\&M | 9,667,131 |  | 9,667,131 |
| Paratransit ADA System Expansion | - |  | - |
| Rideshare/CTR P\&M | - |  | - |
| Amtrak Station P\&M | 78,678 |  | 78,678 |
| Annual Depreciation | 7,355,149 |  | 7,355,149 |
| Contribution To Accounts |  |  | - |
| Total Expenses | \$51,902,814 | - | \$51,902,814 |
| Add Back Depreciation | 7,355,149 |  | 7,355,149 |
| Net Cash Available | \$18,584,429 |  | \$18,584,429 |
| Capital |  |  |  |
| Capital Revenue |  |  |  |
| Federal Capital Grant - Sec 5307 |  |  |  |
| Federal Capital Grant - Sec 5309 | 25,530,092 |  | 25,530,092 |
| State Capital Grants | 339,239 |  | 339,239 |
| Total Capital Revenue | \$25,869,331 | - | \$25,869,331 |
| Capital Expenses |  |  |  |
| System P\&M |  |  |  |
| Equipment \& Furnishings | 100,000 |  | 100,000 |
| Replace Coaches - | 5,345,964 |  | 5,345,964 |
| Replace Shuttle Vans/Small Coaches |  |  | - |
| Replace DAL Vans - | 366,938 |  | 366,938 |
| Replace Vanpool Vans - | 986,041 |  | 986,041 |
| Replace Staff Vehicles | 55,426 |  | 55,426 |
| Facilities | 1,869,000 |  | 1,869,000 |
| System Expansion |  |  | - |
| Coach - |  |  | - |
| Shuttle Van - Small Coach |  |  | - |
| DAL Van |  |  | - |
| Vanpool Van | 361,548 |  | 361,548 |
| Facilities | 27,463,203 |  | 27,463,203 |
| Total Capital Expenses | \$36,548,120 |  | \$36,548,120 |
| Ending Balance December 31, 2019 | \$7,905,640 | \$11,136,916 | \$19,042,556 |


| WSDOT Report - 2020 | General Fund | Working Capital | Total |
| :---: | :---: | :---: | :---: |
| Beginning Balance January 1, 2018 | \$7,905,640 | \$11,136,916 | \$19,042,556 |
| Revenues |  |  |  |
| Sales Tax | 39,632,685 |  | 39,632,685 |
| Motor Vehicle Excise Tax |  |  | - |
| Farebox | 5,593,485 |  | 5,593,485 |
| Sales Tax Equalization |  |  |  |
| Federal Operating Grants | 3,405,644 |  | 3,405,644 |
| State Operating Grants | 385,922 |  | 385,922 |
| Other | 857,498 |  | 857,498 |
| Contribution To Accounts | $(404,206)$ | 404,206 | - |
| Total Available | \$57,376,668 | \$11,541,122 | \$68,917,790 |
| Operating Expenses |  |  |  |
| Vanpool/Rideshare P\&M | 2,406,849 |  | 2,406,849 |
| Vanpool/Rideshare System Expansion | 86,731 |  | 86,731 |
| Fixed Route P\&M | 29,975,843 |  | 29,975,843 |
| Fixed Route System Expansion |  |  | - |
| Commuter Bus P\&M | 3,595,540 |  | 3,595,540 |
| Commuter Bus System Expansion |  |  |  |
| Paratransit ADA P\&M | 10,017,992 |  | 10,017,992 |
| Paratransit ADA System Expansion | - |  | - |
| Rideshare/CTR P\&M | - |  | - |
| Amtrak Station P\&M | 81,534 |  | 81,534 |
| Annual Depreciation | 7,575,804 |  | 7,575,804 |
| Contribution To Accounts |  |  | - |
| Total Expenses | \$53,740,292 | - | \$53,740,292 |
| Add Back Depreciation | 7,575,804 |  | 7,575,804 |
| Net Cash Available | \$11,212,180 |  | \$11,212,180 |
| Capital |  |  |  |
| Capital Revenue |  |  |  |
| Federal Capital Grant - Sec 5307 |  |  |  |
| Federal Capital Grant - Sec 5309 | 10,834,888 |  | 10,834,888 |
| State Capital Grants | 349,361 |  | 349,361 |
| Total Capital Revenue | \$11,184,249 | - | \$11,184,249 |
| Capital Expenses |  |  |  |
| System P\&M |  |  |  |
| Equipment \& Furnishings | 287,500 |  | 287,500 |
| Replace Coaches - | 14,209,223 |  | 14,209,223 |
| Replace Shuttle Vans/Small Coaches |  |  | - |
| Replace DAL Vans - | 1,729,009 |  | 1,729,009 |
| Replace Vanpool Vans - | 1,871,008 |  | 1,871,008 |
| Replace Staff Vehicles |  |  | - |
| Facilities | 290,000 |  | 290,000 |
| System Expansion |  |  | - |
| Coach - |  |  | - |
| Shuttle Van - Small Coach |  |  | - |
| DAL Van |  |  | - |
| Vanpool Van | 374,202 |  | 374,202 |
| Facilities |  |  | - |
| Total Capital Expenses | \$18,760,941 |  | \$18,760,941 |
| Ending Balance December 31, 2020 | \$3,635,488 | \$11,541,122 | \$15,176,610 |


| WSDOT Report - 2021 |
| :---: |
| Beginning Balance January 1, 2018 Revenues |
|  |  |
|  |
| Motor Vehicle Excise Tax |
| Farebox |
| Sales Tax Equalization |
| Federal Operating Grants |
| State Operating Grants |
| Other |
| Contribution To Accounts |
| Total Available |
| Operating Expenses |
| Vanpool/Rideshare P\&M |
| Vanpool/Rideshare System Expansion |
| Fixed Route P\&M |
| Fixed Route System Expansion |
| Commuter Bus P\&M |
| Commuter Bus System Expansion |
| Paratransit ADA P\&M |
| Paratransit ADA System Expansion |
| Rideshare/CTR P\&M |
| Amtrak Station P\&M |
| Annual Depreciation |
| Contribution To Accounts |
| Total Expenses |
| Add Back Depreciation |
| Net Cash Available |
| Capital |
| Capital Revenue |
| Federal Capital Grant - Sec 5307 |
| Federal Capital Grant - Sec 5309 |
| State Capital Grants |
| Total Capital Revenue |
| Capital Expenses |
| System P\&M |
| Equipment \& Furnishings |
| Replace Coaches - |
| Replace Shuttle Vans/Small Coaches |
| Replace DAL Vans - |
| Replace Vanpool Vans - |
| Replace Staff Vehicles |
| Facilities |
| System Expansion |
| Coach - |
| Shuttle Van - Small Coach |
| DAL Van |
| Vanpool Van |
| Facilities |
| Total Capital Expenses |
| Ending Balance December 31, 2021 |

## Operating Expenses

Vanpool/Rideshare P\&M
Vanpool/Rideshare System Expansion
Fixed Route P\&M
Fixed Route System Expansion

Commuter Bus System Expansion
Paratransit ADA P\&M
Paratransit ADA System Expansion
Rideshare/CTR P\&M
Amtrak Station P\&M

Contribution To Accounts

Working Capital

Total

| $\mathbf{\$ 3 , 6 3 5 , 4 8 8}$ | $\mathbf{\$ 1 1 , 5 4 1 , 1 2 2}$ | $\mathbf{\$ 1 5 , 1 7 6 , 6 1 0}$ |
| ---: | ---: | ---: |
| 40,821,666 |  | $40,821,666$ |
|  |  | - |
| $5,789,815$ |  |  |
|  |  | $3,479,815$ |
| $3,473,757$ |  | 385,922 |
| 385,922 |  | 792,548 |
| 792,548 |  | - |

\$12,018,902 \$66,440,318

2,418,703
87,158
31,807,234
$3,613,248$
10,067,331

81,936
7,575,804
$\begin{array}{rrr}\$ 55,651,414 & - & \$ 55,651,414 \\ 7,575,804 & & 7,575,804 \\ \$ 6,345,806 & & \$ 6,345,806\end{array}$

| $1,385,839$ | $1,385,839$ |
| ---: | ---: |
| $\mathbf{1 , 9 5 9 , 8 3 9}$ | $1,959,839$ |
| $\mathbf{\$ 3}, \mathbf{3 4 5 , 6 7 8}$ | $\mathbf{\$ 3 , 3 4 5 , 6 7 8}$ |

\$3,345,678 - \$3,345,678

557,000 557,000
$1,500,000 \quad 1,500,000$
$1,795,591 \quad 1,795,591$
37,600 37,600
$2,365,000 \quad 2,365,000$

|  |  |  |
| :---: | :---: | :---: |
|  |  |  |
| 178,952 |  | 178,952 |
| 387,284 |  | 387,284 |
|  |  | - |
| \$6,821,427 |  | \$6,821,427 |
| \$2,870,057 | \$12,018,902 | \$14,888,959 |

## Appendix

| Appendix A: | Organizational Chart |
| :--- | :--- |
| Appendix B: | System Map and Service Boundary Map |
| Appendix C: | Public Management System (WSDOT forms) |
| Appendix D: | Operating Data |

## Appendix A




## Intercity Transit Mission:

To provide and promote transportation choices that support an accessible, sustainable, livable, healthy and prosperous community.

Vision: To be a leading transit system in the country, recognized for our well-trained, highly motivated, customer-focused, community-minded employees committed to enhancing the quality of life for all citizens of Thurston County.

## Bus Service in 2015

Fixed route service available weekdays on 25 routes, 18 routes operating Saturdays, 15 routes on Sundays. Dial-A-Lift (ADA/ paratransit) service available during fixed route service hours. Bus fleet is ADA accessible and all fixed route coaches have two-position bike racks:

- Twenty local routes serving the greater Olympia/Lacey/Tumwater/Yelm area. Connections to Grays Harbor Transit and Mason Transit service (in Olympia) and regional connections to Amtrak and Greyhound service are also available.
- Five inter-county routes provide Express service between Thurston and Pierce Counties with connections to Pierce Transit local service and Sound Transit Express and commuter service in Lakewood and Tacoma. Grant funded contract with Sound Transit for extension of existing route for limited peak trips between Olympia and DuPont with service to Seattle.


## Intercity Transit Service Boundary

Approved April 2002, Implemented September 2002,
Updated with City Annexations: 2005-2015


## Public Management System

|  | ic Transportation M ed Rolling Stock In Agency/Organizati | nagem entory <br> n: <br> Date: | nt System <br> Intercity Transit 1/22/2016 |  |  |  |  |  | ereby certify that inventory reflects formation for the <br> Signature and Title | all informa true, accu e agency/o <br> [original sig | tion report ate and com ganization ned by P. Ko | in this lete ted. <br> er] |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Year/Make/Model | Vehicle Code | Vehicle Identification Number | Agency Vehicle Number | Current Odometer | Condition (points) | Age <br> Years | Remaining Useful Life (years) | $\left.\begin{array}{\|c\|} \text { Replacement } \\ \text { Cost } \end{array} \right\rvert\,$ | ADA Access (yes/no) | Seating Capacity | Fuel Type | $\begin{aligned} & \hline \text { WSDOT } \\ & \text { Title } \\ & \text { (yes/no) } \end{aligned}$ |
| 1 | 2008/Eldorado/Aerotech | 11 | 1FD4E45P68DA39644 | 130 | 204,844 | 80 | 7 | 0 | \$133,000 | yes | 12 | BD | no |
| 2 | 2008/Eldorado/Aerotech | 11 | 1FD4E45P88DA39645 | 131 | 244,575 | 80 | 7 | 0 | \$133,000 | yes | 12 | BD | no |
| 3 | 2008/Eldorado/Aerotech | 11 | 1FD4E45PX8DA39646 | 132 | 240,368 | 80 | 7 | 0 | \$133,000 | yes | 12 | BD | no |
| 4 | 2008/Eldorado/Aerotech | 11 | 1FD4E45P18DA39647 | 133 | 247,127 | 80 | 7 | 0 | \$133,000 | yes | 12 | BD | no |
| 5 | 2008/Eldorado/Aerotech | 11 | 1FD4E45P38DA39648 | 134 | 202,588 | 80 | 7 | 0 | \$133,000 | yes | 12 | BD | no |
| 6 | 2009/Eldorado/Aerotech | 11 | 1FDFE45P99DA72356 | 140 | 162,006 | 80 | 6 | 1 | \$133,000 | yes | 12 | BD | no |
| 7 | 2009/Eldorado/Aerotech | 11 | 1FDE45P09DA72357 | 141 | 158,918 | 80 | 6 | 1 | \$133,000 | yes | 12 | BD | no |
| 8 | 2011 Eldorado/Aerotech | 11 | 1GB6G5BL5B1121747 | 150 | 101,608 | 90 | 4 | 3 | \$133,000 | yes | 12 | BD | no |
| 9 | 2011 Eldorado/Aerotech | 11 | 1GB6G5BL9B1121783 | 151 | 115,114 | 90 | 4 | 3 | \$133,000 | yes | 12 | BD | no |
| 10 | 2011 Eldorado/Aerotech | 11 | 1GB6G5BL3B1122279 | 152 | 98,943 | 90 | 4 | 3 | \$133,000 | yes | 12 | BD | no |
| 11 | 2011 Eldorado/Aerotech | 11 | 1GB6G5BL3B1121892 | 153 | 120,629 | 90 | 4 | 3 | \$133,000 | yes | 12 | BD | no |
| 12 | 2011 Eldorado/Aerotech | 11 | 1GB6G5BL7B1122351 | 154 | 123,405 | 90 | 4 | 3 | \$133,000 | yes | 12 | BD | no |
| 13 | 2011 Eldorado/Aerotech | 11 | 1GB6G5BL4B1122307 | 155 | 114,455 | 90 | 4 | 3 | \$133,000 | yes | 12 | BD | no |
| 14 | 2011 Eldorado/Aerotech | 11 | 1GB6G5BL1B1122085 | 156 | 101,267 | 90 | 4 | 3 | \$133,000 | yes | 12 | BD | no |
| 15 | 2011 Eldorado/Aerotech | 11 | 1GB6G5BL0B1124264 | 157 | 123,927 | 90 | 4 | 3 | \$133,000 | yes | 12 | BD | no |
| 16 | 2011 Eldorado/Aerotech | 11 | 1GB6G5BL0B1124202 | 158 | 127,872 | 90 | 4 | 3 | \$133,000 | yes | 12 | BD | no |
| 17 | 2011 Eldorado/Aerotech | 11 | 1GB6G5BL2B1154169 | 159 | 123,227 | 90 | 4 | 3 | \$133,000 | yes | 12 | BD | no |
| 18 | 2011 Eldorado/Aerotech | 11 | 1GB6G5BL9B1154234 | 160 | 119,744 | 90 | 4 | 3 | \$133,000 | yes | 12 | BD | no |
| 19 | 2011 Eldorado/Aerotech | 11 | 1GB6G5BL0B1155269 | 161 | 102,219 | 90 | 4 | 3 | \$133,000 | yes | 12 | BD | no |
| 20 | 2011 Eldorado/Aerotech | 11 | 1GB6G5BL4B1155128 | 162 | 104,233 | 90 | 4 | 3 | \$133,000 | yes | 12 | BD | no |
| 21 | 2011 Eldorado/Aerotech | 11 | 1GB6G5BL9B1156128 | 163 | 103,104 | 90 | 4 | 3 | \$133,000 | yes | 12 | BD | no |
| 22 | 2011 Eldorado/Aerotech | 11 | 1GB6G5BL0B1155076 | 164 | 119,512 | 90 | 4 | 3 | \$133,000 | yes | 12 | BD | no |
| 23 | 2011 Eldorado/Aerotech | 11 | 1GB6G5BL8B1155617 | 165 | 112,064 | 90 | 4 | 3 | \$133,000 | yes | 12 | BD | no |
| 24 | 2011 Eldorado/Aerotech | 11 | 1GB6G5BL2B1155872 | 166 | 127,065 | 90 | 4 | 3 | \$133,000 | yes | 12 | BD | no |
| 25 | 2011 Eldorado/Aerotech | 11 | 1GB6G5BL5B1154781 | 167 | 111,490 | 90 | 4 | 4 | \$133,000 | yes | 12 | BD | no |
| 26 | 2012 Eldorado/Aerotech | 11 | 1GB6G5BL4C1180905 | 170 | 78,346 | 90 | 3 | 4 | \$133,000 | yes | 12 | BD | no |
| 27 | 2012 Eldorado/Aerotech | 11 | 1GB6G5BLXC1181606 | 171 | 90,366 | 90 | 3 | 4 | \$133,000 | yes | 12 | BD | no |
| 28 | 2012 Eldorado/Aerotech | 11 | 1GB6G5BL7C1182857 | 172 | 80,747 | 90 | 3 | 4 | \$133,000 | yes | 12 | BD | no |
| 29 | 2012 Eldorado/Aerotech | 11 | 1GB6G5BL0C1182196 | 173 | 93,726 | 90 | 3 | 4 | \$133,000 | yes | 12 | BD | no |
| 30 | 2012 Eldorado/Aerotech | 11 | 1GB6G5BL9C1182567 | 174 | 87,157 | 90 | 3 | 4 | \$133,000 | yes | 12 | BD | no |
| 31 | 2012 Eldorado/Aerotech | 11 | 1GB6G5BL0C1182585 | 175 | 69,298 | 90 | 3 | 4 | \$133,000 | yes | 12 | BD | no |
| 32 | 2012 Eldorado/Aerotech | 11 | 1GB6G5BL3C1181642 | 176 | 70,075 | 90 | 3 | 4 | \$133,000 | yes | 12 | BD | no |
| 33 | 2012 Eldorado/Aerotech | 11 | 1GB6G5BL6C1181358 | 177 | 79,916 | 90 | 3 | 4 | \$133,000 | yes | 12 | BD | no |
| 34 | 2012 Eldorado/Aerotech | 11 | 1GB6G5BL6C1181926 | 178 | 84,851 | 90 | 3 | 4 | \$133,000 | yes | 12 | BD | no |
| 35 | 2012 Eldorado/Aerotech | 11 | 1GB6G5BL9C1180477 | 179 | 88,890 | 90 | 3 | 5 | \$133,000 | yes | 12 | BD | no |
| 36 | 2010/Gillig Hybrid | 10 | 15GGD3013A1177058 | 400 | 272,353 | 100 | 5 | 10 | \$630,700 | yes | 38 | DE | no |


|  | 응 | $\bigcirc$ | 응 | 응 | 응 | 을 | 응 | 응 | 을 | 응 | 을 | 을 | 을 | 응 | 읃 | 응 | 을 | 응 | 응 | 읃 | 을 | 응 | 응 | 응 | 을 | 응 | 응 | 응 | 응 | 응 | 응 | 응 | 응 | 응 | 을 | 응 | 응 | 응 | 응 | $\bigcirc$ | 응 | 을 | 을 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\mid$ | 山 | \| | \| | \| | $\|\underset{\Delta}{\boldsymbol{a}}\|$ | $\mid$ | \| | 岗 | $\left\lvert\, \begin{array}{\|c\|} \hline \text { ロ } \end{array}\right.$ | $\mid \underset{\Delta}{\text { ■ }}$ | $\mid$ | $\|\underset{\text { \| }}{ }\|$ | 亗 | $\mid$ | $\|\stackrel{\rightharpoonup}{\square}\|$ | $\mid$ | $\left\lvert\, \begin{array}{\|l\|} \text { ■ } \end{array}\right.$ | $\mid$ | \| | $\mid$ | $\mid$ | $\stackrel{\circ}{\infty}$ | $\|\stackrel{\circ}{\infty}\|$ | 命\| | $\|\stackrel{Q}{\infty}\|$ | $\stackrel{\mathrm{p}}{\mathrm{p}}$ | $\|\stackrel{\mathrm{Q}}{\mathrm{\infty}}\|$ | $\left\lvert\, \begin{aligned} & \mathrm{p} \\ & \hline \end{aligned}\right.$ | $\stackrel{\circ}{\infty}$ | $\stackrel{\circ}{\otimes}$ | $\stackrel{\circ}{\infty}$ | 命\| | $\|\stackrel{\circ}{\infty}\|$ | $\stackrel{\mathrm{p}}{\mathrm{p}}$ | $\stackrel{Q}{\oplus}$ | $\|\stackrel{Q}{\infty}\|$ | 命\| | \| | $\stackrel{\mathrm{Q}}{\mathrm{p}}$ | $\stackrel{\rightharpoonup}{\oplus}$ | $\|\stackrel{\rightharpoonup}{\infty}\|$ | $\stackrel{\square}{\circ}$ |
|  | － | － | ¢ | ¢ | $\cdots$ | － | $\stackrel{\sim}{\sim}$ | ¢ | － | － | － | ¢ | － | ¢ | ¢ | － | $\stackrel{\sim}{\sim}$ | － | $\stackrel{\sim}{\sim}$ | ¢ | ¢ | $\stackrel{\sim}{m}$ | $\bar{n}$ | $\bar{\sim}$ | ¢ | ¢ | ¢ | $\overline{\text { m }}$ | ¢ | ¢ | $\stackrel{\sim}{\sim}$ | N | N | ले | N | $\underset{\sim}{\sim}$ | N | N | $\stackrel{\sim}{\sim}$ | N | $\underset{\sim}{\sim}$ | N | － |
|  | $\stackrel{\infty}{\infty}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\mathscr{D}}{\stackrel{0}{\lambda}}$ | $\stackrel{\infty}{\otimes}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\mathscr{N}}{\underset{\lambda}{2}}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\substack{0 \\ ⿻}}{2}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\left\|\begin{array}{l} \infty \\ \stackrel{0}{\lambda} \end{array}\right\|$ | $\begin{aligned} & \infty \\ & \infty \\ & \end{aligned}$ | $\stackrel{\infty}{\infty}$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{\lambda} \end{aligned}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\stackrel{0}{\lambda}}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\otimes}{\otimes}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\otimes}{\boldsymbol{N}}$ | $\stackrel{\infty}{\infty}$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{\lambda} \end{aligned}$ | $\stackrel{0}{\stackrel{0}{\lambda}}$ | $\stackrel{\otimes}{\otimes}$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{\lambda} \end{aligned}$ | $\stackrel{\infty}{\perp}$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{\lambda} \end{aligned}$ | $\begin{aligned} & \infty \\ & \stackrel{0}{\lambda} \end{aligned}$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{\boldsymbol{N}} \end{aligned}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\sim}{\sim}$ |
|  |  |  |  | 8 <br>  <br>  | $\begin{aligned} & \hline \mathrm{O} \\ & \hat{N} \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\left.\begin{array}{l\|} \hline \mathrm{O} \\ \stackrel{\rightharpoonup}{n} \\ 0 \\ 0 \\ 0 \\ 0 \end{array} \right\rvert\,$ |  | $\begin{array}{\|l\|} \hline \mathrm{O} \\ \hat{1} \\ 0 \\ 0 \\ 0 \\ \Leftrightarrow \end{array}$ | $\begin{array}{\|l\|} \hline \stackrel{O}{2} \\ \stackrel{1}{n} \\ \hline 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\left.\begin{array}{\|c\|} \hline 0 \\ \hat{C} \\ 0 \\ 0 \\ 0 \\ \Theta \end{array} \right\rvert\,$ |  | $\left.\begin{array}{\|l\|} \hline \mathrm{O} \\ \stackrel{\rightharpoonup}{n} \\ 0 \\ 0 \\ 6 \\ 0 \end{array} \right\rvert\,$ |  |  | $\begin{array}{\|c\|} \hline \stackrel{O}{n} \\ \hat{0} \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ |  |  |  |  |  |  | $\left.\begin{array}{\|c\|} \hline 0 \\ \stackrel{\rightharpoonup}{n} \\ 0 \\ 0 \\ 6 \\ \end{array} \right\rvert\,$ | O | O | $\begin{array}{\|c} \hline \mathrm{O} \\ \mathbf{O} \\ \underset{N}{n} \\ \infty \end{array}$ | $\left.\begin{array}{\|c\|} \hline 0 \\ 0 \\ \underset{\sim}{2} \\ \underset{\sim}{\infty} \end{array} \right\rvert\,$ | $\left.\begin{array}{\|c\|} \hline 0 \\ 0 \\ 0 \\ \tilde{\sim} \\ 0 \\ 0 \end{array} \right\rvert\,$ |  | $\left.\begin{array}{\|c\|} \hline \mathrm{O} \\ \mathbf{0} \\ \underset{\sim}{N} \\ \underset{\sim}{n} \end{array} \right\rvert\,$ | $\left.\begin{array}{\|c\|} \hline \mathrm{O} \\ 0 \\ \underset{N}{N} \\ \infty \\ \infty \end{array} \right\rvert\,$ | $\left.\begin{array}{\|c} \hline \mathrm{O} \\ \mathbf{O} \\ \underset{N}{2} \\ \underset{\sim}{\infty} \end{array} \right\rvert\,$ |  | O | $\left.\begin{array}{\|c\|} \hline \mathrm{O} \\ 0 \\ \underset{N}{N} \\ \underset{\sim}{n} \end{array} \right\rvert\,$ | O <br>  <br> N <br> N <br> 0 | $\begin{array}{\|c\|} \hline \mathrm{O} \\ \underset{\sim}{n} \\ \underset{\sim}{\infty} \end{array}$ | $\left.\begin{array}{\|c\|} \hline \mathrm{O} \\ 0 \\ \underset{\sim}{2} \\ \underset{\sim}{n} \end{array} \right\rvert\,$ | $\begin{array}{\|c} \hline \mathrm{O} \\ \mathbf{O} \\ \underset{N}{n} \\ \infty \end{array}$ | O－ |  | $\left.\begin{array}{\|c\|} \hline 0 \\ 0 \\ \underset{\sim}{0} \\ \underset{\sim}{0} \end{array} \right\rvert\,$ | $\left.\begin{array}{\|c\|} \hline 0 \\ 0 \\ \underset{\sim}{2} \\ \underset{\sim}{\infty} \end{array} \right\rvert\,$ | $\begin{array}{\|c} \hline \mathrm{O} \\ 0 \\ \underset{\sim}{2} \\ \underset{\sim}{0} \end{array}$ |
|  | 은 | 은 |  | 은 | 은 | $\stackrel{\sim}{*}$ | $\stackrel{\sim}{\sim}$ | $\sim$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{ }{\sim}$ | $\pm$ | $\underset{\sim}{*}$ | $\stackrel{\square}{7}$ | $\stackrel{\rightharpoonup}{*}$ | $\stackrel{\text { ̇ }}{\sim}$ | $\pm$ | $\stackrel{\text { ̇ }}{\sim}$ | $\stackrel{\rightharpoonup}{\sim}$ | $\stackrel{\square}{\sim}$ | $\underset{\sim}{*}$ | － | － | － | － | $\checkmark$ | － | ＊ | $\checkmark$ | 15 | 10 | 10 | 10 | 10 | $\llcorner$ | 10 | 10 | 10 | 10 | 15 | 10 | $\infty$ |
|  | 10 | 15 | $\infty$ | $\llcorner$ | 10 | m | m | m | ल | m | m | m | － | － | $\checkmark$ | $\checkmark$ | － | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | F | $F$ | $\stackrel{\square}{\square}$ | г | F | $\stackrel{\square}{\square}$ | F | $\stackrel{\square}{\square}$ |  | 은 | 은 | 은 | 은 | 은 | 은 | 은 | 안 | 은 | 은 | 은 | 안 |
|  | 은 | 은 | 음 | 은 | 은 | 욱 | 은 | 암 | 은 | 은 | 음 | 은 | 음 | 은 | 은 | 음 | 은 | 안 | 은 | 윽 | 은 | 은 | $\infty$ | $\infty$ | $\infty$ | $\infty$ | 8 | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | 8 | $\infty$ | $\infty$ | $\infty$ |
|  | $\left.\begin{array}{\|c\|} \hline \underset{\sim}{\infty} \\ 0 \\ 0 \\ 0 \\ N \end{array} \right\rvert\,$ | $\left\|\begin{array}{l} \hat{n} \\ \infty \\ \infty \\ \frac{\infty}{m} \end{array}\right\|$ | $\begin{array}{\|c\|} \hline n \\ 0 \\ \vdots \\ \underset{\sim}{N} \end{array}$ | $\begin{array}{\|l\|} \hline \stackrel{O}{2} \\ \stackrel{N}{N} \\ \stackrel{N}{2} \end{array}$ | $\begin{array}{\|c\|} \hline \stackrel{N}{N} \\ \stackrel{N}{ल} \\ \hline \end{array}$ | $$ | $\left\lvert\, \begin{gathered} J \\ \infty \\ \infty \\ \underset{\sim}{c} \\ \underset{\sim}{2} \end{gathered}\right.$ | $\left\|\begin{array}{l} 7 \\ 0 \\ 0 \\ 0 \\ -2 \end{array}\right\|$ | $\left\|\begin{array}{c} \underset{0}{0} \\ 0 \\ 0 \\ \sim \\ \sim \end{array}\right\|$ | $\left\lvert\,\right.$ | $\begin{aligned} & \bar{\sim} \\ & \mathbf{0} \\ & \mathbf{8} \\ & \underset{\sim}{-} \end{aligned}$ | $\begin{array}{\|l\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \text { N } \end{array}$ | $\begin{array}{\|c\|} \hline 0 \\ 0 \\ \vdots \\ \vdots \end{array}$ | $\left\|\begin{array}{l} 0 \\ 0 \\ \infty \\ \infty \\ \infty \end{array}\right\|$ | $\left\|\begin{array}{l} \overleftarrow{~} \\ \underset{~}{j} \\ \underset{O}{2} \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ \infty \end{array}\right\|$ |  | $\left\|\begin{array}{l} N \\ \underset{\sim}{2} \\ \text { di} \end{array}\right\|$ | $\left\|\begin{array}{l} \mathbf{y} \\ \mathbf{3} \\ 6 \\ 8 \end{array}\right\|$ | $\left\|\begin{array}{c} \underset{N}{N} \\ \infty \\ \infty \end{array}\right\|$ | $\left\|\begin{array}{c} \bar{n} \\ \hat{N} \\ \overline{0} \end{array}\right\|$ | $\left\|\begin{array}{c} \stackrel{ }{\infty} \\ \infty \\ \underset{\infty}{\infty} \end{array}\right\|$ |  | $\left.\begin{array}{\|c\|} \hline 0 \\ \underset{N}{N} \\ \infty \\ 0 \\ 0 \end{array} \right\rvert\,$ |  | $\left\|\begin{array}{\|c\|} \hline 0 \\ q^{2} \\ j^{6} \end{array}\right\|$ | $\left\|\begin{array}{c} \bar{n} \\ \infty \\ 10 \\ f^{2} \end{array}\right\|$ | $\begin{array}{\|l\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$ | $$ |  | $\left\|\begin{array}{c} 0 \\ \text { N } \\ \underset{\sim}{0} \\ i \end{array}\right\|$ | $\left\|\begin{array}{c} \hat{N} \\ \hat{N} \\ 6 \\ i n \end{array}\right\|$ | $\left\|\begin{array}{l} 7 \\ 10 \\ 10 \\ 0 \\ 10 \end{array}\right\|$ | $\begin{array}{\|c\|} \hline \underset{N}{n} \\ 0 \\ 0 \\ N \\ \text { م } \end{array}$ | $\left\|\begin{array}{c} \underset{N}{\mathrm{O}} \\ \stackrel{-}{\mathrm{N}} \end{array}\right\|$ | $\left\|\begin{array}{c} \hat{m} \\ \frac{2}{0} \\ \frac{1}{2} \end{array}\right\|$ | $\begin{aligned} & \left.\begin{array}{l} g \\ \stackrel{C}{n} \\ m \\ \stackrel{n}{n} \end{array} \right\rvert\, \end{aligned}$ | $\begin{array}{\|c\|} \hline 0 \\ \hline 1 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \underset{\sim}{m} \\ \underset{\sim}{6} \\ \underset{\sim}{2} \end{array}$ | $\left\|\begin{array}{c} N \\ o \\ o \\ 0 \\ \underset{\sim}{z} \end{array}\right\|$ | $\begin{gathered} \infty \\ \stackrel{\infty}{7} \\ 0 \\ \hline \\ 7 \end{gathered}$ | $\begin{array}{\|c\|} \hline \infty \\ 0 \\ \underset{\sim}{j} \\ \underset{\sim}{\mid} \end{array}$ | ch |
|  | $\|\bar{\gamma}\|$ | $$ | $\begin{array}{\|c\|} \hline \text { Mo } \\ \hline \text { \| } \end{array}$ | $\begin{array}{\|l\|} \hline \mathrm{O} \\ \hline \mathrm{O} \end{array}$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \end{aligned}$ | $\frac{O}{\dot{r}}$ | $\overline{\bar{\gamma}}$ | $\stackrel{N}{\tau}$ | $\frac{m}{\dot{d}}$ | $\frac{\vec{~}}{\overline{\mathrm{~F}}}$ | $\frac{10}{7}$ | $\frac{0}{7}$ | $\begin{array}{\|c\|} \hline \stackrel{\rightharpoonup}{*} \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \stackrel{\rightharpoonup}{v} \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \underset{\sim}{\mathrm{V}} \\ \hline \end{array}$ | $\begin{array}{\|c\|c} \hline \underset{\sim}{N} \end{array}$ | $\begin{array}{\|c\|} \hline \underset{~}{*} \\ \hline \end{array}$ | $\left\lvert\, \begin{gathered} \stackrel{\sim}{\sim} \\ \underset{\sim}{2} \\ \hline \end{gathered}\right.$ | $\begin{array}{\|c\|} \hline \stackrel{O}{\mathrm{~F}} \\ \hline \end{array}$ | $$ | $\left.\begin{array}{\|c\|} \hline \infty \\ \underset{\sim}{*} \end{array} \right\rvert\,$ | $\begin{array}{\|c\|} \hline \stackrel{\rightharpoonup}{\mathrm{F}} \end{array}$ | $\begin{array}{\|c\|} \hline \text { O} \\ \text { oे } \end{array}$ | $\begin{array}{\|c\|} \hline \bar{ু} \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline N \\ \text { N゙ } \end{array}$ | $$ | $\begin{array}{\|c\|} \hline \underset{~}{~} \\ \text { \| } \end{array}$ | $\begin{array}{\|c\|} \hline \stackrel{L}{2} \\ \underset{O}{2} \end{array}$ | $$ | $\begin{array}{\|c\|} \hline \hat{N} \\ \text { Non } \end{array}$ | $\begin{array}{\|c\|} \hline \text { প্ু } \\ \hline \end{array}$ | $\overline{\bar{\sigma}} \mid$ | $\begin{array}{\|c\|} \hline N \\ \hline N \end{array}$ | $\begin{array}{\|c\|} \hline \underset{ু}{\prime} \end{array}$ | ৷ু | $$ | $\begin{array}{\|c\|} \hline \mathbf{o} \\ \hline \mathbf{o} \\ \hline \end{array}$ | $$ | $\begin{array}{\|c\|} \hline \stackrel{y}{9} \\ \hline \text { \| } \\ \hline \end{array}$ | $\bar{G}$ | $\stackrel{N}{\sigma}$ | $$ | ¢ |
|  |  |  |  |  |  |  |  |  |  | とZ908レレO910\＆ロO૭Sレ | $\pm$ <br> $\vdots$ <br> 0 <br> 0 <br> $\bar{c}$ <br> $\vdots$ <br> 0 <br> $\vdots$ |  |  |  |  |  |  | 96をャ8レレヨャレ0ยロ〇〇Gレ | L6とャ8レレヨ910をロつつSレ | 15GGD3018E1184398 |  |  | N <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> $\vdots$ <br>  |  |  |  |  | 8๕80L0レーレレOZ8૭૭Gレ |  |  | 15GGB291151075106 |  |  |  | 15GGB291951075256 |  |  | 9 <br> 0 <br> $N$ <br> $N$ <br> 0 <br> 0 <br> 0 | 0 0 0 0 0 $\vdots$ $\vdots$ 0 2 2 0 0 0 0 $n$ |  | 15GGB291451076511 |  | عLS9LOLG8L6Z8〇〇Gレ |
|  | 은 | 안 |  | 은 | 은 | 은 | 은 | 은 | 은 | 안 | 은 | 은 | 은 | 은 | 은 | 안 | 은 | 은 | 은 | 은 | 은 | 은 | N | N | N | N | N | N | N | N | $\sim$ | N | N | $\sim$ | $\sim$ | N | N | N | $\sim$ | N | N | N | $\sim$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | ले | $\stackrel{\infty}{\sim}$ | ¢ | 안 | $\bar{\square}$ | ～ | m | $\stackrel{5}{4}$ | ¢ | － | $\stackrel{\infty}{+}$ | 9 | $\bigcirc$ | N | 0 | L | L | $\bigcirc$ | is | ¢ | 앙 | 8 | $\bar{\sigma}$ | V | $\stackrel{3}{6}$ | $\pm$ | 4 | $\bigcirc$ | $\hat{¢}$ | $\stackrel{\infty}{\circ}$ | 8 | $\stackrel{\text { 간 }}{ }$ | 「 | N | $\cdots$ | N | $\stackrel{1}{\sim}$ | $\stackrel{\bigcirc}{\sim}$ | N | $\stackrel{\sim}{\sim}$ | ¢ | $\infty$ | $\bar{\infty}$ |


|  | 을 | 읃 | 응 | $\bigcirc$ | 을 | 을 | 읃 | 을 | 을 | 응 | 응 | 앙 | 을 | 응 | 응 | 응 | 앙 | 을 | 응 | 응 | 을 | 을 | 으응 | 을 | 을 | 읃 | $\bigcirc$ | $\stackrel{\varrho}{\wedge}$ | $\left\|\begin{array}{l} \infty \\ \stackrel{0}{\lambda} \end{array}\right\|$ | 응 | $\bigcirc$ | $\bigcirc$ | 을 | $\bigcirc$ | 응 | $\bigcirc$ | 을 | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\stackrel{\mathscr{0}}{\stackrel{0}{\lambda}}$ | $\left.\begin{aligned} & \infty \\ & \end{aligned} \right\rvert\,$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\infty}{\infty}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ¢ | － | ค－ | $\|\stackrel{\rightharpoonup}{\infty}\|$ | \| | $\stackrel{\circ}{\infty}$ | $\stackrel{0}{\infty}$ | 吊 | $\|\stackrel{\rightharpoonup}{\infty}\|$ | $\stackrel{\ominus}{\infty} \mid$ | $\|\stackrel{\rightharpoonup}{\infty}\|$ | $\stackrel{\mathrm{D}}{\mathrm{\infty}}$ | $\stackrel{\circ}{\infty} \mid$ | $\|\stackrel{Q}{\infty}\|$ | $\stackrel{Q}{\infty} \mid$ | $\stackrel{\mathrm{Q}}{\mathrm{p}}$ | $\mid$ | $\|\stackrel{Q}{\infty}\|$ | $\stackrel{\square}{\infty}$ | 命\| | 命 | $\|\stackrel{\circ}{\infty}\|$ | 命\| | $\stackrel{\mathrm{Q}}{\mathrm{p}}$ | 命\| | $\stackrel{\otimes}{\infty}$ | 命\| | 命\| | $\underset{\mathbf{U}}{\mathbf{K}}$ | 元 | $\underset{\circlearrowleft}{\overleftarrow{0}}$ | $\underset{\circlearrowleft}{\overleftarrow{\top}}$ | $\underset{\circlearrowleft}{\mathbf{\top}}$ | $\underset{\circlearrowleft}{\mathbb{O}}$ | $\overleftarrow{ভ}$ | $\underset{\circlearrowleft}{\mathbb{O}}$ | $\underset{\circlearrowleft}{\overleftarrow{\top}}$ | $\stackrel{\varangle}{\circlearrowleft}$ | $\|\underset{0}{\mathbf{N}}\|$ | ৫ | $\underset{\circlearrowleft}{\mathbb{O}}$ | ভ | $\stackrel{4}{0}$ | ৫ | ৫ | ¢ |
|  | N | N | N | N | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | － | $\stackrel{\sim}{\sim}$ | N | N | N | N | N | N | N | N | N | N | N | $\stackrel{N}{\sim}$ | N | $\stackrel{\sim}{\sim}$ | $\stackrel{N}{\text { N}}$ | $\stackrel{\sim}{\sim}$ | N | N | N | － | $\stackrel{\sim}{\sim}$ | の | $\stackrel{\sim}{\sim}$ | ＋ | ナ | $\checkmark$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\underset{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ |
|  | $\stackrel{\infty}{\infty} \stackrel{\rightharpoonup}{\boldsymbol{\lambda}}$ | $\stackrel{\infty}{\stackrel{\infty}{\lambda}}$ | $\stackrel{\stackrel{\circ}{\otimes}}{\stackrel{1}{\lambda}}$ | $\stackrel{\otimes}{\otimes}$ | $\stackrel{\infty}{\otimes}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\substack{\infty \\ \otimes}}{ }$ | $\stackrel{\otimes}{\otimes}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\mathscr{0}}{\stackrel{\wedge}{\lambda}}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{\lambda} \end{aligned}$ | $\stackrel{\infty}{\stackrel{0}{\lambda}}$ | $\stackrel{\infty}{\infty}$ | $\left\|\begin{array}{l} \infty \\ \stackrel{0}{\lambda} \end{array}\right\|$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\otimes}{\boldsymbol{\sim}}$ | $\left\|\begin{array}{l} \infty \\ \stackrel{0}{\lambda} \end{array}\right\|$ | $\left\|\begin{array}{l} \infty \\ \stackrel{0}{\lambda} \end{array}\right\|$ | $$ | $\left\|\begin{array}{l} \mathscr{0} \\ \underset{\lambda}{2} \end{array}\right\|$ | $\stackrel{\infty}{\infty}$ | $\left\|\begin{array}{l} \infty \\ \mathbf{\lambda} \end{array}\right\|$ | $\begin{array}{\|l\|} \infty \\ \stackrel{0}{\lambda} \end{array}$ | 을 | $\bigcirc$ | $\stackrel{\infty}{\infty}$ | $\bigcirc$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\otimes}{\otimes}$ | $\stackrel{\infty}{\infty}$ | 응 | $\bigcirc$ | 을 | $\bigcirc$ | 을 | $\bigcirc$ | 을 | 을 | $\bigcirc$ | $\bigcirc$ | 응 |
|  | $\begin{array}{\|l\|} \hline \mathrm{O} \\ \hline 0 \\ \hline- \\ \hline \end{array}$ | $\left.\begin{array}{\|l\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \infty \end{array} \right\rvert\,$ | $\left.\begin{array}{\|l\|} \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array} \right\rvert\,$ | $\begin{array}{l\|l} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 & 0 \\ \end{array}$ | $\left.\begin{array}{\|c\|} \hline \mathrm{O} \\ 0 \\ \underset{N}{N} \\ \underset{\sim}{\infty} \end{array} \right\rvert\,$ | $\begin{array}{\|c\|} \hline \mathrm{O} \\ \mathbf{O} \\ \underset{N}{2} \\ \underset{\sim}{n} \end{array}$ | $\left.\begin{array}{\|c\|} \hline \mathrm{O} \\ 0 \\ \underset{\sim}{N} \\ \underset{\sim}{\infty} \end{array} \right\rvert\,$ | $\begin{aligned} & \hline \mathrm{O} \\ & 0 \\ & \underset{\sim}{n} \\ & \underset{\sim}{\infty} \end{aligned}$ | $\left\|\begin{array}{l} \hline \mathrm{O} \\ \mathbf{O} \\ \underset{\sim}{2} \\ \underset{\sim}{n} \end{array}\right\|$ | $\begin{array}{\|l\|} \hline \mathrm{O} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\left.\begin{array}{\|l\|} \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \infty \end{array} \right\rvert\,$ | $\left.\begin{array}{\|l\|} \hline 0 \\ \hline 0 \\ 0 \\ \hline \\ 0 \\ 0 \\ 6 \end{array} \right\rvert\,$ | $\left.\begin{array}{\|l\|} \hline 0 \\ \hline 0 \\ 0 . \\ 0 \\ 0 \\ 0 \\ \infty \end{array} \right\rvert\,$ | $\left.\begin{array}{\|l\|} \hline 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \end{array} \right\rvert\,$ | $\left.\begin{array}{\|l\|} \hline 8 \\ \hline 0 \\ 0 \\ \hline- \\ \hline \\ 0 \\ 0 \end{array} \right\rvert\,$ | $\left.\begin{array}{\|c\|} \hline 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \infty \end{array} \right\rvert\,$ |  | $\begin{aligned} & \hline \mathrm{O} \\ & 0 \\ & \underset{N}{\mathrm{~N}} \\ & \underset{\sim}{\infty} \end{aligned}$ | $\begin{array}{\|c\|} \hline \mathrm{O}_{2} \\ \underset{\sim}{n} \\ \underset{\sim}{\infty} \\ \hline \end{array}$ | $\left.\begin{array}{\|c\|} \hline \mathrm{O} \\ \mathbf{O} \\ \underset{\sim}{2} \\ \underset{\sim}{n} \end{array} \right\rvert\,$ | $\left.\begin{array}{\|c\|} \hline \mathrm{O} \\ \mathbf{O} \\ \underset{\sim}{2} \\ \underset{\sim}{\infty} \end{array} \right\rvert\,$ | $\begin{array}{\|c} \hline \mathrm{O} \\ \underset{\sim}{n} \\ \underset{\sim}{\infty} \end{array}$ | $\begin{aligned} & \hline \mathrm{O} \\ & 0 \\ & \underset{\sim}{2} \\ & \underset{\sim}{\infty} \\ & \hline \end{aligned}$ | $\begin{array}{\|c\|} \hline \mathrm{O} \\ \underset{\sim}{n} \\ \underset{\sim}{\infty} \\ \hline \end{array}$ | $\begin{aligned} & \hline \mathrm{O} \\ & \mathbf{O} \\ & \underset{\sim}{n} \\ & \underset{\leftrightarrow}{2} \end{aligned}$ | $\left\|\begin{array}{c} \hline \mathrm{O} \\ \mathbf{O} \\ \underset{\sim}{2} \\ \underset{\sim}{\infty} \end{array}\right\|$ | $\begin{array}{\|c} \hline \mathrm{O} \\ 0 \\ \underset{\sim}{2} \\ \underset{\sim}{\infty} \end{array}$ | $\left\lvert\, \begin{gathered} \hline \mathrm{O} \\ 0 \\ \underset{N}{N} \\ \underset{\sim}{2} \end{gathered}\right.$ | $\left\lvert\, \begin{gathered} \mathrm{N} \\ \underset{\sim}{n} \\ \underset{\sim}{N} \\ \underset{\infty}{ } \end{gathered}\right.$ | $\left.\begin{array}{\|l\|} \hline 8 \\ 0 \\ 0 \\ \infty \\ 6 \\ \hline \end{array} \right\rvert\,$ |  | $\begin{aligned} & \hline 8 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|c\|} \hline \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array}$ | $\begin{aligned} & \mathrm{O} \\ & 0 \\ & \mathrm{~N} \\ & \mathrm{~N} \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{2} \end{aligned}$ |  | $\left\lvert\, \begin{gathered} \mathrm{N} \\ \underset{\sim}{n} \\ \underset{\sim}{N} \\ \underset{\infty}{ } \end{gathered}\right.$ | $\begin{aligned} & \hline 0 \\ & \underset{\sigma}{\alpha} \\ & 0 \\ & \underset{\infty}{\infty} \end{aligned}$ | $$ | $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{n} \end{aligned}$ | $\begin{aligned} & \hline \stackrel{N}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{N} \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \underset{\sim}{n} \\ & \underset{\sim}{N} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{*} \end{aligned}$ | O N $\sim$ $N$ N |
|  | 15 | is | 10 | $\bigcirc$ | N | $\wedge$ | $\wedge$ | $\wedge$ | N | $\wedge$ | $\wedge$ | N | 入 | N | 入 | N | N | 入 | N | N | N | 入 | N | N | N | N | N | － | $\bigcirc$ | － | $\bigcirc$ | ＋ | $\bullet$ | $\bullet$ | － | － | － | － | － | － | － | － | － | － | $\bigcirc$ |
|  | 암 | 암 | 안 | 은 | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $F$ | 은 | m | $\checkmark$ | $\checkmark$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ |
|  | $\infty$ | $\infty$ | $\infty$ | $\infty$ | 8 | 8 | 8 | 8 | ৪ | 8 | 8 | ¢ | ¢ | 8 | 8 | ¢ | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | ¢ | ¢ | 8 | 8 | \％ | 안 | $\infty$ | 8 | 8 | 안 | $\stackrel{1}{5}$ | 안 | 안 | 안 | 안 | 안 | $\stackrel{\square}{5}$ | $\stackrel{\circ}{1}$ | $\bigcirc$ | $\stackrel{\circ}{\circ}$ |
|  | $\left\|\begin{array}{c} \stackrel{1}{N} \\ N \\ \tilde{N} \end{array}\right\|$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \infty \\ & \infty \end{aligned}$ | $\left\|\begin{array}{l} \infty \\ \stackrel{1}{c} \\ - \\ \sim \\ \sim \end{array}\right\|$ | $\begin{array}{c\|c} -\infty \\ 0 \\ 0 \\ 0 \\ 0 \\ \\ \sim & \end{array}$ | $\left\|\begin{array}{c} \stackrel{9}{寸} \\ \underset{\sim}{2} \\ \stackrel{\rightharpoonup}{\mathrm{j}} \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ \vdots \\ \underset{寸}{2} \end{array}\right\|$ | $\left\|\begin{array}{c} n \\ \tilde{0} \\ 0 \\ \underset{\sigma}{\sigma} \end{array}\right\|$ |  |  | $\left\|\begin{array}{l} \mathrm{N} \\ \mathbf{o} \\ \underset{\sim}{2} \\ \underset{\sim}{2} \end{array}\right\|$ | $\left\|\begin{array}{c} \underset{\sim}{\mathcal{N}} \\ \underset{\sim}{n} \\ \stackrel{N}{N} \end{array}\right\|$ | $\left\lvert\, \begin{gathered} 9 \\ h \\ \substack{7 \\ 0 \\ M \\ \hline} \end{gathered}\right.$ | $\left\|\begin{array}{l} \overline{0} \\ 0 \\ 0 \\ 0 \\ \Gamma \end{array}\right\|$ | $\left\|\begin{array}{c} \stackrel{N}{\infty} \\ \infty \\ \stackrel{N}{N} \\ \underset{N}{2} \end{array}\right\|$ | $\left\|\begin{array}{l} \infty \\ 0 \\ 0 \\ 0 \\ 0 \\ \text { N} \end{array}\right\|$ | $\left\|\begin{array}{c} \infty \\ \underset{N}{N} \\ o \\ 0 \\ N \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ \infty \\ \infty \\ 0 \\ 0 \\ \end{array}\right\|$ | $\left\|\begin{array}{l}  \pm \\ 0 \\ 0 \\ 0 \\ 0 \end{array}\right\|$ |  | $\stackrel{\tau}{\sigma}$ <br> $\vdots$ <br> 0 <br> 0 | $\left\|\begin{array}{l} 0 \\ \infty \\ 0 \\ 6_{0} \\ ल \end{array}\right\|$ |  | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}\right\|$ | $\left\|\begin{array}{c} \underset{\sim}{2} \\ \underset{\sim}{3} \\ \underset{\sim}{2} \end{array}\right\|$ |  |  | $\left\|\begin{array}{c} \bar{n} \\ \underset{c}{2} \\ \underset{0}{6} \end{array}\right\|$ | $\left\|\begin{array}{c} \hat{0} \\ 6 \\ n^{2} \\ \Gamma \end{array}\right\|$ | $\left\|\begin{array}{c} \underset{3}{n} \\ \tilde{\sim} \\ \underset{\sim}{c} \end{array}\right\|$ | $\left\|\begin{array}{c} \underset{N}{0} \\ \underset{\sim}{z} \end{array}\right\|$ | $\left\|\begin{array}{l} \bar{\delta} \\ \stackrel{\rightharpoonup}{\lambda} \\ \bar{r} \end{array}\right\|$ | $\begin{aligned} & \underset{G}{f} \\ & \underset{F}{f} \end{aligned}$ | $\left\|\begin{array}{l} \infty \\ 0 \\ 0 \\ \underset{N}{n} \end{array}\right\|$ | $\begin{aligned} & \underset{\sim}{N} \\ & \underset{\sim}{+} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & i \end{aligned}$ | $\left\|\begin{array}{l} \frac{\sigma}{\tau} \\ \dot{f} \\ \underset{\sim}{2} \end{array}\right\|$ | $\left\|\begin{array}{c} \infty \\ 0 \\ \underset{\infty}{\infty} \end{array}\right\|$ | $\left.\begin{gathered} 5 \\ 0 \\ 10 \\ \stackrel{5}{\tau} \end{gathered} \right\rvert\,$ | $\left.\begin{array}{\|c\|} \hline 8 \\ 0 \\ \infty \\ 0 \end{array} \right\rvert\,$ |  | $\begin{aligned} & \hat{ल} \\ & \stackrel{0}{\circ} \\ & \stackrel{0}{2} \end{aligned}$ | $\begin{aligned} & \bar{N} \\ & \infty \\ & e^{-} \end{aligned}$ | $\begin{aligned} & \mathrm{N} \\ & \mathrm{o} \\ & \mathrm{o} \\ & \stackrel{0}{2} \end{aligned}$ | $\begin{aligned} & \overline{\hat{1}} \\ & \stackrel{0}{\sigma} \\ & \hline \end{aligned}$ | N N N O |
|  | \| | $\overline{0}$ | $\begin{array}{\|c\|} N \\ \end{array}$ | $\begin{array}{l\|l\|} \hline 1 \\ \hline 0 \\ \hline 0 \end{array}$ | $\begin{array}{\|c\|} \hline 8 \\ \hline 8 \\ \hline \end{array}$ | $\overline{\mathrm{B}} \mid$ | $$ | $$ | $$ | $\begin{array}{\|l\|} \hline \stackrel{0}{9} \\ \stackrel{\rightharpoonup}{2} \end{array}$ | $\begin{array}{\|c\|} \hline \stackrel{\rightharpoonup}{\circ} \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline N \\ \underset{\sigma}{2} \end{array}$ | $\begin{array}{\|c\|} \hline \stackrel{n}{o} \\ \hline \end{array}$ | $\frac{ \pm}{N}$ | $\begin{array}{\|c\|} \hline \frac{n}{N} \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline \rho \\ \stackrel{\sigma}{2} \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \hat{A} \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \infty \\ \infty \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \infty \\ \hline \infty \\ \hline \end{array}$ | $$ | $\left.\begin{array}{\|c\|} \hline 2 \\ \infty \\ \infty \end{array} \right\rvert\,$ | $$ | (প) | $\bar{\sigma}$ | $\stackrel{N}{\mathrm{o}}$ | $\begin{array}{\|c\|} \hline \text { প্ } \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline \dot{ু} \\ \hline \end{array}$ | $\left.\begin{array}{\|l\|} \hline \stackrel{N}{n} \\ \stackrel{\sim}{\sim} \end{array} \right\rvert\,$ | $\begin{aligned} & \text { Ny } \\ & \stackrel{y}{2} \end{aligned}$ | $\left.\begin{array}{\|l\|} \hline 0 \\ \stackrel{5}{5} \end{array} \right\rvert\,$ | $\begin{aligned} & \hline \infty \\ & \stackrel{\infty}{\sim} \\ & \stackrel{2}{2} \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \infty \\ & \infty \end{aligned}$ | $\begin{aligned} & 1 \\ & 0 \\ & \infty \\ & \sim \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \hline \end{aligned}$ | $\begin{aligned} & \stackrel{\Gamma}{\mathrm{N}} \\ & \stackrel{\infty}{2} \end{aligned}$ | $$ | $\left\|\begin{array}{c} \stackrel{\omega}{\sim} \\ \infty \\ \sim \end{array}\right\|$ | $\begin{aligned} & \hline \mathbf{N} \\ & \infty \\ & \infty \end{aligned}$ | $\begin{array}{\|c\|} \hline \hline \\ \infty \\ \infty \end{array}$ | $\begin{gathered} \bar{\sim} \\ \stackrel{\infty}{\infty} \end{gathered}$ | $\begin{aligned} & \stackrel{\sim}{\sim} \\ & \infty \end{aligned}$ | $$ | $\left.\begin{array}{l\|} \hline 00 \\ \infty \\ \infty \end{array} \right\rvert\,$ | $\begin{aligned} & \stackrel{\rightharpoonup}{+} \\ & \infty \end{aligned}$ | $\stackrel{1}{\circ}$ |
|  |  |  |  |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & N \\ & \hat{N} \\ & \underset{N}{n} \\ & \underset{N}{N} \\ & \hat{N} \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  |  |  |  | 15GGE271471091376 |  | 15GGE271871091378 |  |  |  |  |  |  | $\left\|\begin{array}{l\|l} 0 \\ 0 \\ \infty \\ N \\ N \\ \hat{N} \\ \hat{N} \\ 0 \\ 0 \\ 0 \\ \stackrel{0}{2} \end{array}\right\|$ |  |  |  |  |  |  |  |  | 1D8GP12R16B637752 |  |  |  |  |  |  |  |  |  |  |  |  | 0 <br> $\stackrel{0}{0}$ <br> 0 <br>  <br>  |  |  |  |  |
| $$ | $\checkmark$ | ＊ | ＊ | $\checkmark$ | $\sim$ | $\sim$ | $\sim$ | N | N | ＊ | ＊ | － | $\checkmark$ | － | － | $\checkmark$ | ＊ | $\sim$ | N | N | N | N | $\checkmark$ | $\checkmark$ | － | $\checkmark$ | $\checkmark$ | $\stackrel{\square}{-}$ | $\stackrel{\square}{\sim}$ | $\pm$ | $\stackrel{\square}{\square}$ | $\stackrel{\rightharpoonup}{\square}$ | $\stackrel{\rightharpoonup}{*}$ | $\pm$ | $\stackrel{\square}{\sim}$ | $\stackrel{\sim}{\square}$ | $\stackrel{-}{-}$ | $\stackrel{\square}{-}$ | $\stackrel{\square}{\sim}$ | $\stackrel{\rightharpoonup}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\square}{-}$ | $\stackrel{\square}{\square}$ | $\stackrel{\sim}{-}$ | $\stackrel{\square}{7}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\begin{aligned} & {\underset{N}{1}}^{\underset{N}{N}} \underset{\underset{N}{N}}{\underset{\sim}{2}} \end{aligned}$ | 2014 Chevy Express |  |  |  |  |  |  |  |  |  |  | 2007 Chevy Express |  |
|  | $\infty$ | $\infty$ | $\pm$ | ｜ | $\bigcirc$ | $\stackrel{\sim}{\infty}$ | $\infty$ | $\infty$ | 8 | Б | \％ | ¢ | \％ | ¢ | 8 | へ | $\infty$ | 8） | 안 | $\dot{\sigma}$ | $\stackrel{\mathrm{N}}{\mathrm{~N}}$ | $\stackrel{9}{\circ}$ | ㅇ | $\stackrel{1}{0}$ | $\stackrel{\ominus}{\circ}$ | $\stackrel{\rightharpoonup}{\circ}$ | $\stackrel{\infty}{\circ}$ | 옹 | $\frac{0}{7}$ | $\stackrel{\Gamma}{\tau}$ | $\stackrel{N}{7}$ | $\stackrel{m}{7}$ | $\frac{\pi}{r}$ | $\frac{10}{7}$ | $\stackrel{\circ}{\square}$ | $\stackrel{N}{F}$ | $\frac{\infty}{\tau}$ | $\frac{9}{7}$ | $\stackrel{\text { 귿 }}{ }$ | $\stackrel{\text { N}}{\sim}$ | N | $\stackrel{\sim}{\mathrm{N}}$ | $\stackrel{ \pm}{\text { N }}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ |


|  | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\infty}$ | 읃 | $\bigcirc$ | 을 | 응 | 앋 | 을 | 앙 | 을 | 응 | 응 | $\bigcirc$ | $\bigcirc$ | 응 | $\begin{aligned} & \infty \\ & \stackrel{\infty}{\lambda} \end{aligned}$ | $\left\|\begin{array}{l} \infty \\ \underset{\sim}{\infty} \end{array}\right\|$ | $\begin{aligned} & \infty \\ & \stackrel{0}{\lambda} \end{aligned}$ | $\stackrel{\sim}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{2} \end{aligned}$ | $\left\|\begin{array}{l} \infty \\ \stackrel{0}{\lambda} \end{array}\right\|$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{\boldsymbol{N}} \end{aligned}$ | $\left\|\begin{array}{c} \mathscr{\infty} \\ \underset{\sim}{2} \end{array}\right\|$ | 을 | $\bigcirc$ | 읃 | 읃 | $\bigcirc$ | $\stackrel{\infty}{\sim}$ | $\stackrel{\mathscr{N}}{\stackrel{\infty}{>}}$ | $\stackrel{\infty}{\infty}$ | $\left.\begin{array}{\|l\|} \infty \\ \infty \\ \mathbf{\lambda} \end{array} \right\rvert\,$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\otimes}{\otimes}$ | $\stackrel{\mathscr{N}}{\stackrel{\infty}{>}}$ | $\begin{aligned} & \infty \\ & 0 \\ & \hline \end{aligned}$ | $\stackrel{e}{\stackrel{\infty}{\lambda}}$ | $\left\|\begin{array}{l} \infty \\ \underset{\sim}{\infty} \end{array}\right\|$ | $\bigcirc$ | 을 | 을 | $\bigcirc$ | 응 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ¢ | ¢ | 《 | $\underset{\circlearrowleft}{\varangle}$ | $\underset{\mathbf{O}}{\boxed{\prime}}$ | $\overleftrightarrow{\circlearrowleft}$ | $\overleftarrow{\circlearrowleft}$ | $\underset{\top}{\varangle}$ | ৫ | ৫ | $\stackrel{\varangle}{\mathbf{0}}$ | $\|\underset{\mathbf{0}}{\mathbf{4}}\|$ | ভ | $\mid \underset{0}{\mathbf{4}}$ | ৫ |  | $\underset{\circlearrowleft}{\boxed{心}}$ | $\underset{\circlearrowleft}{\widetilde{c}}$ | $\stackrel{\varangle}{\mathbf{0}}$ | $\underset{\circlearrowleft}{\varangle}$ | 元 | $\overleftarrow{~ ৫ ~}$ | $\underset{\mathbf{U}}{\mathbf{\pi}}$ | $\stackrel{4}{\mathbf{0}}$ | ভ | $\overleftarrow{ভ}$ | $\underset{\sim}{\mathbb{O}}$ | $\underset{\circlearrowleft}{\circlearrowleft}$ | $\underset{\circlearrowleft}{\varangle}$ | ৫ | $\underset{\circlearrowleft}{\mathbb{O}}$ | $\mathbb{U}$ | $\underset{~}{\boxed{\prime}}$ | $\underset{\circlearrowleft}{\varangle}$ | $\underset{\circlearrowleft}{\varangle}$ | $\stackrel{\leftrightarrow}{\mathbf{0}}$ | $\overleftarrow{\circlearrowleft}$ | ర | $\mid \underset{\mathbf{O}}{\mid}$ | ৫ | $\underset{\circlearrowleft}{\mathbb{O}}$ | $\left\|\begin{array}{\|c} \mathbb{1} \end{array}\right\|$ | ¢ | ¢ | ＜ |
|  | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | N | 入 | N | N | 入 | 入 | 入 | N | 入 | 入 | 入 | 入 | $\sim$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\cdots$ | $\stackrel{\sim}{*}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{0}{\sim}$ | N | $\wedge$ | 入 | N | $\wedge$ | 入 | N | 入 | 入 | N | N | N | 入 | N | － |
|  | $\bigcirc$ | $\bigcirc$ | 응 | 읃 | 을 | $\bigcirc$ | $\bigcirc$ | 을 | 응 | 을 | 응 | 을 | $\bigcirc$ | $\bigcirc$ | 을 | $\bigcirc$ | 을 | 응 | 읃 | 응 | $\bigcirc$ | 응 | 을 | 응 | $\bigcirc$ | $\bigcirc$ | 읃 | 을 | 을 | 을 | 을 | 읃 | 을 | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | 을 | 을 | $\bigcirc$ | $\bigcirc$ | 을 | $\bigcirc$ | 응 |
|  | $\begin{aligned} & \hline \stackrel{O}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{N} \end{aligned}$ | $\begin{aligned} & \underset{\sim}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{N} \\ & \hline \end{aligned}$ | $\left\lvert\,\right.$ | $\begin{array}{\|c\|} \hline \mathrm{O} \\ 0 \\ \underset{N}{N} \\ \underset{\infty}{ } \end{array}$ | $$ | $\left\lvert\, \begin{gathered} \hline \mathrm{O} \\ 0 \\ \underset{N}{N} \\ \mathrm{~N} \end{gathered}\right.$ | $\left\|\begin{array}{c} \mathrm{O} \\ \mathrm{O} \\ \text { N} \\ \mathrm{N} \end{array}\right\|$ | $\begin{array}{\|c\|} \hline \mathrm{O} \\ 0 \\ \underset{N}{N} \\ \mathrm{~N} \end{array}$ | $\left\|\begin{array}{l} \mathrm{O} \\ \mathrm{O} \\ \text { N} \\ \underset{\infty}{ } \end{array}\right\|$ | $\left\lvert\,\right.$ | $\begin{array}{\|c\|} \hline \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array}$ | $\left\lvert\, \begin{gathered} \mathrm{O} \\ 0 \\ \underset{N}{N} \\ \underset{\infty}{2} \end{gathered}\right.$ | $\begin{aligned} & \hline \mathrm{O} \\ & 0 \\ & \underset{N}{N} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{array}{\|c} \hline \mathrm{O} \\ 0 \\ \underset{N}{N} \\ \underset{y}{2} \end{array}$ | $\left\|\begin{array}{c} \mathrm{O} \\ 0 \\ \mathrm{~N} \\ \mathrm{~N} \end{array}\right\|$ | $\begin{array}{l\|l} \hline 0 \\ & \vdots \\ \underset{\sim}{n} & \vdots \\ N & \vdots \end{array}$ | $\left\lvert\, \begin{aligned} & \stackrel{\sim}{N} \\ & \tilde{N} \\ & \underset{\sim}{n} \\ & \underset{\sim}{2} \end{aligned}\right.$ | $\begin{aligned} & \mathrm{O} \\ & \mathrm{~m} \\ & \underset{\sim}{2} \\ & \underset{\infty}{2} \end{aligned}$ | $\left\lvert\, \begin{gathered} 0 \\ \underset{\sim}{n} \\ \underset{\sim}{N} \\ \underset{\infty}{ } \end{gathered}\right.$ | $\begin{aligned} & \hline \stackrel{\sim}{N} \\ & \underset{\sim}{n} \\ & \underset{\sim}{n} \end{aligned}$ |  | $\left\lvert\, \begin{aligned} & \stackrel{\sim}{N} \\ & \tilde{N} \\ & \underset{\sim}{n} \\ & \underset{\sim}{2} \end{aligned}\right.$ | $\begin{array}{l\|} \hline \stackrel{O}{N} \\ \underset{\sim}{2} \\ \underset{\sim}{*} \\ \hline \end{array}$ | $\begin{aligned} & \hline \stackrel{N}{N} \\ & \underset{\sim}{7} \\ & \underset{\sim}{c} \end{aligned}$ | $\begin{aligned} & \hline \stackrel{N}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{*} \end{aligned}$ | $\begin{array}{\|c} \hline \stackrel{N}{N} \\ \underset{\sim}{n} \\ \underset{\sim}{\infty} \end{array}$ | $\left\lvert\, \begin{gathered} 0 \\ \underset{\sim}{n} \\ \underset{\sim}{N} \\ \underset{\infty}{ } \end{gathered}\right.$ | $\left\lvert\, \begin{gathered} 0 \\ \underset{\sim}{n} \\ \underset{\sim}{N} \\ \underset{\infty}{ } \end{gathered}\right.$ | 웅 <br> 0 <br> 0 <br> 0 <br>  | $\left.\begin{array}{\|c\|} \hline \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array} \right\rvert\,$ | $$ | $\left\|\begin{array}{c} \mathrm{O} \\ 0 \\ \mathrm{~N} \\ \mathrm{~N} \end{array}\right\|$ | $\left.\begin{array}{\|c\|} \hline \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array} \right\rvert\,$ | $\left\|\begin{array}{c} \mathrm{O} \\ \mathrm{O} \\ \text { N} \\ \mathrm{N} \end{array}\right\|$ | $\left\|\begin{array}{l\|} \hline \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array}\right\|$ | $$ | $\begin{aligned} & \mathrm{O} \\ & \mathrm{O} \\ & \mathrm{~N} \\ & \mathrm{~N} \end{aligned}$ | $\left\|\begin{array}{c} \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array}\right\|$ | $\left.\begin{gathered} \mathrm{O} \\ \mathrm{O} \\ \underset{N}{\mathrm{~N}} \\ \mathrm{o} \end{gathered} \right\rvert\,$ | $\begin{array}{\|c} \mathrm{O}_{0} \\ \underset{\sim}{\mathrm{~N}} \end{array}$ | $\left\|\begin{array}{c} \hline \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array}\right\|$ | $\begin{array}{\|c\|} \hline \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \underset{O}{2} \end{array}$ | $\left.\begin{array}{\|c} \mathrm{O}_{0} \\ \underset{\sim}{\mathrm{~N}} \end{array} \right\rvert\,$ | O O N N |
|  | － | 0 | － | 0 | － | － | 0 | － | $\bigcirc$ | － | － | $\bigcirc$ | $\bigcirc$ | － | － | 0 | － | － | － | － | $\bigcirc$ | － | － | － | $\bigcirc$ | 0 | － | － | － | － | $\checkmark$ | $\checkmark$ | － | － | － | $\checkmark$ | $\checkmark$ | $\checkmark$ | － | $\checkmark$ | $\checkmark$ | － | $\checkmark$ | － |
|  | $\infty$ | $\infty$ | $\infty$ | N | － | N | 入 | N | 入 | N | N | N | 入 | N | N | 入 | 入 | 入 | 入 | N | N | 入 | N | 入 | N | 入 | 入 | N | N | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bullet$ | $\bullet$ | $\bullet$ | $\bigcirc$ | $\bullet$ | $\bigcirc$ | $\bullet$ | $\bullet$ | $\bullet$ | $\bigcirc$ | $\bigcirc$ | $\bullet$ |
|  | 앙 | \％ | 은 | 앙 | i | 안 | 안 | 앙 | 안 | $\stackrel{1}{6}$ | $\stackrel{1}{6}$ | $\bigcirc$ | $\stackrel{\square}{\circ}$ | ） | 앙 | $\stackrel{1}{2}$ | $\bigcirc$ | $\stackrel{1}{\circ}$ | 안 | 안 | $\stackrel{1}{\circ}$ | $\bigcirc$ | $\stackrel{\square}{\circ}$ | 안 | $\stackrel{\square}{\circ}$ | $\bigcirc$ | 안 | 안 | 안 | $\stackrel{\circ}{1}$ | 1 | 안 | 은 | $\stackrel{\circ}{1}$ | $\stackrel{1}{5}$ | 안 | $\stackrel{1}{5}$ | $\stackrel{\square}{1}$ | 안 | 안 | $\stackrel{\circ}{1}$ | $\stackrel{\square}{5}$ | $\stackrel{1}{5}$ | 앙 |
|  | $\begin{aligned} & m \\ & m \\ & \underset{m}{2} \end{aligned}$ | $\begin{aligned} & m \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\left\|\begin{array}{l} n \\ 0 \\ 0 \\ 0 \\ 0 \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ \infty \end{array}\right\|$ | $\begin{aligned} & \circ \\ & \hline 0 \\ & +0 \\ & \stackrel{+}{\circ} \end{aligned}$ | $\left\|\begin{array}{l} \hat{c} \\ \underset{\sim}{2} \\ \underset{\sim}{2} \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ \infty \end{array}\right\|$ |  |  | $\left\lvert\, \begin{aligned} & 0 \\ & 0 \\ & \overbrace{1} \\ & \underset{N}{2} \end{aligned}\right.$ | $\left\|\begin{array}{l} 0 \\ 0 \\ N \\ 0 \\ 0 \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ \frac{1}{n} \\ \hat{0} \end{array}\right\|$ | $\left\|\begin{array}{c} \hat{N} \\ \infty \\ \underset{\sim}{c} \end{array}\right\|$ | $\stackrel{\stackrel{\rightharpoonup}{\tau}}{\stackrel{\rightharpoonup}{\tau}}$ | $\left\|\begin{array}{l} \frac{10}{\lambda} \\ \frac{0}{c} \\ \frac{1}{r} \end{array}\right\|$ | $\left\|\begin{array}{c} 9 \\ \stackrel{9}{4} \\ 10 \\ 0 \end{array}\right\|$ | $\left\|\begin{array}{c} \bar{o} \\ \underset{\sim}{o} \\ \infty \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ \stackrel{1}{1} \\ 0^{0} \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ \infty \\ \infty \\ 0 \\ N \end{array}\right\|$ | $\left\|\begin{array}{l} 4 \\ 0 \\ 0 \\ 0 \\ \end{array}\right\|$ | $\left\|\begin{array}{l} \tilde{6} \\ 0 \\ \underset{\infty}{-} \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array}\right\|$ | $\left\|\begin{array}{c} 10 \\ \underset{y}{j} \\ \underset{\sim}{n} \end{array}\right\|$ | $\left\|\begin{array}{c} \mathrm{N} \\ 0 \\ 10 \\ 0 \end{array}\right\|$ | $\left.\begin{array}{\|c} \bar{\infty} \\ \bar{\phi} \\ \hline \infty \end{array} \right\rvert\,$ | $\begin{aligned} & \overline{0} \\ & 0 \\ & 0^{-} \end{aligned}$ | $\left\|\begin{array}{c} \infty \\ \stackrel{1}{*} \\ \infty \\ 0 \end{array}\right\|$ | $\begin{array}{\|c\|} \hline \infty \\ \stackrel{0}{N} \\ \underset{\infty}{\infty} \end{array}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \stackrel{\rightharpoonup}{\mathrm{~F}} \end{aligned}$ | $\left\|\begin{array}{l} \hat{y} \\ \infty \\ \infty \\ \infty \end{array}\right\|$ | $\begin{gathered} 0 \\ \underset{\sim}{0} \\ \underset{\sim}{\mathrm{~T}} \end{gathered}$ | $\left\|\begin{array}{l} \bar{N} \\ 0 \\ 0 \\ 0 \end{array}\right\|$ | $\left.\begin{aligned} & \overline{\tilde{n}} \\ & \hat{m} \\ & \underset{N}{n} \end{aligned} \right\rvert\,$ | $\left\|\begin{array}{c} \infty \\ \frac{\infty}{N} \\ \stackrel{N}{N} \end{array}\right\|$ | $\begin{aligned} & N \\ & N \\ & \underset{N}{8} \end{aligned}$ | $\begin{aligned} & \infty \\ & \sim \\ & \infty \\ & \stackrel{\sim}{\infty} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \stackrel{N}{N} \end{aligned}$ | $\left\|\begin{array}{l} N \\ \hat{N} \\ \stackrel{\sigma}{\sigma} \end{array}\right\|$ | $\left\|\begin{array}{c} \bar{o} \\ 0 \\ \underset{\infty}{\infty} \end{array}\right\|$ |  | $\begin{array}{\|c\|} \hline 0 \\ 0 \\ 0 \\ N \end{array}$ | $\left\|\begin{array}{c} \infty \\ \infty \\ \infty \\ \infty \\ \infty \end{array}\right\|$ | $\begin{gathered} \underset{N}{N} \\ \underset{\sim}{\sim} \end{gathered}$ | ¢ |
|  | $\begin{aligned} & \hat{n} \\ & \infty \\ & \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & -1 \end{aligned}$ | $\begin{aligned} & \underset{N}{0} \\ & \infty \\ & \sim \end{aligned}$ | $\overline{\mathrm{O}}$ | $\begin{aligned} & \mathrm{O} \\ & \stackrel{\rightharpoonup}{\mathrm{O}} \end{aligned}$ | $\begin{array}{l\|} \hline 10 \\ 8 \\ 9 \end{array}$ | $\begin{array}{\|l\|} \hline 8 \\ \hline 8 \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline \stackrel{\rightharpoonup}{8} \\ \hline \mathrm{r} \end{array}$ | $\begin{array}{\|l\|} \hline 9 \\ \hline \mathbf{8} \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline \frac{0}{9} \\ \hline \end{array}$ | $\bar{\sigma}$ | $\begin{array}{\|c\|} \hline \stackrel{N}{\sigma} \\ \stackrel{1}{2} \end{array}$ | $\begin{array}{\|l\|} \hline \frac{m}{\sigma} \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \frac{6}{9} \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline \stackrel{N}{\sigma} \\ \hline \end{array}$ | $\begin{aligned} & \text { 익 } \\ & \hline \end{aligned}$ | $\begin{array}{\|c\|} \hline \stackrel{\rightharpoonup}{N} \\ \underset{\sim}{2} \end{array}$ | $\begin{aligned} & \underset{\sim}{N} \\ & \underset{\sim}{2} \end{aligned}$ | $\left. \right\rvert\,$ | $\begin{aligned} & \hline \stackrel{0}{\mathrm{~N}} \\ & \stackrel{\sim}{\sim} \end{aligned}$ | $\begin{array}{\|l\|} \hline \hat{\gamma} \\ \Omega \end{array}$ | $\left\|\begin{array}{c} \infty \\ \underset{\sim}{N} \end{array}\right\|$ | $\begin{array}{\|c\|} \hline \mathbf{N} \\ \mathbf{N} \end{array}$ | $\begin{array}{\|l\|} \hline \stackrel{\Gamma}{r} \\ \hline \end{array}$ | $\begin{aligned} & \hline \stackrel{ल}{\mathrm{O}} \\ & \underset{\sim}{2} \end{aligned}$ | $$ | $\begin{aligned} & \mathrm{G} \\ & \mathrm{G} \end{aligned}$ | $\begin{array}{\|l\|} \hline 0 \\ 6 \\ 9 \end{array}$ | $\begin{aligned} & \circ \\ & \stackrel{\circ}{\circ} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{~N} \end{aligned}$ | $\overline{\mathrm{O}}$ | $\left.\begin{array}{\|c\|} \hline \mathrm{O} \\ \mathrm{~N} \end{array} \right\rvert\,$ |  | $\left\lvert\, \begin{gathered} \mathrm{O} \\ \hline \mathrm{~N} \end{gathered}\right.$ | $\left.\begin{array}{\|l\|} \hline 0 \\ 0 \\ 0 \\ N \end{array} \right\rvert\,$ | $\begin{aligned} & \hline \stackrel{O}{\mathrm{O}} \\ & \hline \end{aligned}$ | $\begin{aligned} & \hat{O} \\ & \text { N } \end{aligned}$ | $\begin{aligned} & \hline \infty \\ & \mathrm{o} \\ & \mathrm{~N} \end{aligned}$ | $\begin{array}{\|c} \hline \stackrel{\rightharpoonup}{2} \\ \text { Ni } \end{array}$ | $\begin{aligned} & \text { O} \\ & \text { N} \end{aligned}$ | $\begin{array}{\|l\|} \bar{N} \\ \underset{N}{2} \end{array}$ | $\begin{array}{\|c\|} \underset{\sim}{\mathrm{N}} \\ \text { N } \end{array}$ | $\begin{array}{\|c} \hline \stackrel{N}{\mathrm{~N}} \\ \hline \end{array}$ | N |
|  |  | 0 <br> $\stackrel{0}{2}$ <br> 0 <br> $\frac{2}{2}$ <br> $\vdots$ <br> $\vdots$ <br> $\vdots$ |  |  |  | 1GNDV23W78D196741 |  |  |  | 1GNDV23W08D208440 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1GAHG35K181219459 |  |  |  |  |  |  | $N$ $N$ $\infty$ $N$ $N$ $N$ 0 $\sim$ $N$ $N$ $N$ $N$ $N$ 0 $n$ |  |  | 90Z6LZS6ZכをZンZZG」G |  |  |  | $\left.\begin{array}{\|c\|} \hline N \\ \hat{N} \\ N \\ N \\ N \\ 0 \\ 0 \\ 0 \\ N \\ N \\ N \\ 0 \\ 1 \end{array} \right\rvert\,$ | 0 <br>  <br> 0 <br> 0 <br> 0 <br> 0 <br>  <br>  |  |  | 0 <br> 0 <br> 0 <br> 0 <br> $N$ <br> 0 <br> 0 <br> 0 <br> 0 <br> $N$ <br> $N$ <br> $N$ <br> $N$ <br> $\vdots$ |  |
| $$ | $\stackrel{\square}{\square}$ | $\stackrel{\square}{\square}$ | $\stackrel{\square}{-}$ | $\stackrel{\sim}{\square}$ | $\cdots$ | $\stackrel{\square}{\square}$ | $\cdots$ | $\checkmark$ | $\stackrel{\square}{-}$ | $\cdots$ | $\stackrel{\sim}{\square}$ | $\div$ | $\stackrel{\square}{-}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\rightharpoonup}{7}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\sim}{*}$ | $\stackrel{-}{-}$ | $\stackrel{\square}{\sim}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\square}{\square}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\square}{-}$ | $\stackrel{\square}{-}$ | $\stackrel{-}{-}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\square}{-}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\square}{\square}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\square}{\square}$ | $\stackrel{\sim}{-}$ | $\stackrel{\square}{\square}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\square}{\sim}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\square}{\sim}$ | $\stackrel{\square}{-}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\square}{-}$ | $\stackrel{\square}{\square}$ | $\cdots$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2008 Chevy Express |  |  |  | 0 <br> $\stackrel{0}{6}$ <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 |  |  |  | euuə！s eloKo 600Z | 0 <br> $\stackrel{0}{6}$ <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 |  |  |  |  | 2009 Toyota Sienna |  |  |  |
|  | $\stackrel{N}{N}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | － | $\stackrel{\sim}{\sim}$ | $\left\lvert\, \begin{gathered} \underset{\sim}{2} \\ \stackrel{2}{2} \end{gathered}\right.$ | $\stackrel{\stackrel{c}{\mathrm{c}}}{\mathrm{c}}$ | $\underset{\sim}{\mathrm{m}}$ | $\begin{aligned} & \stackrel{1}{2} \\ & \stackrel{2}{2} \\ & \hline \end{aligned}$ | $\left\lvert\, \begin{gathered} \stackrel{0}{2} \\ \stackrel{2}{2} \\ \hline \end{gathered}\right.$ | $\stackrel{\rightharpoonup}{\mathrm{m}}$ | $\stackrel{\infty}{\sim}$ | $\stackrel{\substack{9 \\ \sim}}{ }$ | $\stackrel{O}{\mathrm{f}}$ | $\bar{j}$ | $\begin{array}{\|c} \underset{\sim}{\sim} \\ \underset{\sim}{2} \end{array}$ | $\underset{\sim}{\underset{\sim}{2}}$ | $\underset{\sim}{f}$ | $\left\lvert\, \begin{aligned} & \circ \\ & \sim \\ & \sim \end{aligned}\right.$ | $\left.\begin{array}{\|c} 0 \\ \dot{f} \end{array} \right\rvert\,$ | $\stackrel{\rightharpoonup}{\mathrm{f}}$ | $\stackrel{\infty}{\infty}$ | $\begin{array}{\|c} \hline \dot{f} \\ \hline \end{array}$ | $\begin{array}{\|c} \circ \\ \stackrel{1}{\sim} \\ \hline \end{array}$ | $\stackrel{5}{5}$ | $\left\lvert\, \begin{gathered} \mathrm{N} \\ \stackrel{2}{2} \end{gathered}\right.$ | \％ | $\stackrel{4}{5}$ | ¢ | $\stackrel{6}{6}$ | is | $\stackrel{\infty}{\sim}$ | $\stackrel{0}{\square}$ | $\stackrel{\circ}{6}$ | $\stackrel{\bar{\sigma}}{\square}$ | $\begin{gathered} \underset{\sim}{N} \\ \stackrel{y}{2} \\ \hline \end{gathered}$ | $\stackrel{セ}{6}$ | $\stackrel{\text { ¢ }}{6}$ | $\stackrel{\llcorner }{6}$ | $\stackrel{\bigcirc}{6}$ | $\stackrel{\text { ¢ }}{\bullet}$ | $\stackrel{\infty}{\bullet}$ | $\stackrel{8}{6}$ | ㅇ |


|  | 을 | 응 | 앙 |  | 을 | 을 | 응 | 을 | $\stackrel{\infty}{\infty}$ | $\left\|\begin{array}{l} \stackrel{0}{\boldsymbol{N}} \end{array}\right\|$ | $\stackrel{\mathscr{N}}{\stackrel{N}{\lambda}}$ | $\stackrel{\oplus}{\infty}$ | 을 | 을 | 응 | $\bigcirc$ | 을 | $\bigcirc$ | 을 | $\bigcirc$ | $\bigcirc$ | 을 | $\begin{aligned} & \infty \\ & \stackrel{\infty}{\boldsymbol{N}} \end{aligned}$ | $\left\|\begin{array}{c} \mathscr{\infty} \\ \underset{\sim}{2} \end{array}\right\|$ | 을 | $\bigcirc$ | $\bigcirc$ | 응 | 응 | 응 | 을 | $\stackrel{\infty}{\infty}$ | $\left.\begin{array}{\|l\|} \infty \\ \infty \\ \mathbf{\lambda} \end{array} \right\rvert\,$ | $\begin{aligned} & \mathscr{0} \\ & \stackrel{y}{\lambda} \end{aligned}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\varnothing}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\infty}{\infty}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\stackrel{\text { ¢ }}{\text { ¢ }}$ | ¢ | ¢ | $\underset{\circlearrowleft}{\Psi}$ | $\|\underset{ভ}{\top}\|$ | ৫ | $\|\underset{\circlearrowleft}{\overleftarrow{0}}\|$ | $\mid \underset{\circlearrowleft}{\mathbf{U}}$ | ৫ | $\mid \underset{\circlearrowleft}{\text { ৫ }}$ | $\mid \underset{ভ}{\varangle}$ | $\mid \underset{\circlearrowleft}{\boxed{U}}$ | $\underset{\circlearrowleft}{\Psi}$ | $\underset{\sim}{4}$ | $\|\underset{\circlearrowleft}{\boxed{\top}}\|$ | $\stackrel{\boxed{O}}{\mathbf{0}}$ | $\underset{\circlearrowleft}{\top}$ | $\|\underset{\circlearrowleft}{\boxed{\top}}\|$ | $\underset{ভ}{\mathbb{O}}$ | $\mathbb{\circlearrowleft}$ | ভ | $\mathbb{\top}$ | $\mid \underset{ভ}{\varangle}$ | $\left\|\begin{array}{\|c} \mathbb{1} \end{array}\right\|$ | $\|\underset{\circlearrowleft}{\widetilde{0}}\|$ | $\mathbb{ভ}$ | $\underset{\circlearrowleft}{\mathbb{O}}$ | $\underset{\mathbf{0}}{\mathbf{4}}$ | ৫ | 区 | $\|\underset{0}{4}\|$ | ভ | $\mid \underset{\circlearrowleft}{\boxed{\top}}$ | $\stackrel{\boxed{1}}{\mathbf{0}}$ | $\mathbb{ভ}$ | ৫ | ভ | ৫ | ৫\| | $\mathbb{\circlearrowleft}$ |  | $\mathbb{U}$ | © | $\stackrel{\varangle}{\circlearrowleft}$ | $\mid \underset{\circlearrowleft}{\mathbf{U}}$ | ¢ |
|  | $\wedge$ | $\wedge$ | N | $\wedge$ | 入 | 入 | $\wedge$ | $\wedge$ | N | 入 | N | N | $\sim$ | $\stackrel{\sim}{\sim}$ | $\sim$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\sim$ | $\sim$ | $\stackrel{\sim}{\sim}$ | $\stackrel{1}{\sim}$ | $\stackrel{10}{\sim}$ | $\wedge$ | 入 | N | N | N | 入 | N | 入 | N | N | $\wedge$ | － | － | － | － | N | 入 | $\wedge$ | 入 |
|  | $\bigcirc$ | $\bigcirc$ | 응 | 읃 | 을 | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | 응 | 을 | 응 | 을 | 을 | 읃 | 을 | $\bigcirc$ | 을 | 을 | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | 을 | 을 | 응 | $\bigcirc$ | $\bigcirc$ | 읃 | 을 | 을 | 을 | 응 | 읃 | 을 | 을 | $\bigcirc$ | 을 | $\bigcirc$ | 응 | 응 | $\bigcirc$ | $\bigcirc$ | 읃 | $\bigcirc$ | $\bigcirc$ | 을 |
|  | $\left\|\begin{array}{c} \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array}\right\|$ | O O N N N | $\left\|\begin{array}{c} \hline \mathrm{O} \\ \mathrm{O} \\ \text { N} \\ \mathrm{N} \end{array}\right\|$ | $\begin{array}{\|c\|} \hline \mathrm{O} \\ 0 \\ \underset{N}{N} \\ \underset{\infty}{ } \end{array}$ | $\left\lvert\, \begin{gathered} \mathrm{O} \\ 0 \\ \text { N} \\ \underset{\infty}{2} \end{gathered}\right.$ | $\left\|\begin{array}{c} \mathrm{O} \\ \mathrm{O} \\ \text { N} \\ \mathrm{N} \end{array}\right\|$ | $\left\|\begin{array}{c} \hline \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array}\right\|$ | $\begin{array}{\|l\|} \hline \mathrm{O} \\ \mathrm{O} \\ \text { N } \\ \mathrm{\omega} \end{array}$ | $\begin{array}{\|c\|} \hline \mathrm{O} \\ 0 \\ \text { N} \\ \text { N } \end{array}$ | $\left\lvert\,\right.$ | $\begin{array}{\|c\|} \hline \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array}$ | $\left\|\begin{array}{c} \mathrm{O} \\ 0 \\ \text { N} \\ \underset{\infty}{*} \end{array}\right\|$ |  | $\left\lvert\, \begin{aligned} & \stackrel{\sim}{N} \\ & \tilde{N} \\ & \underset{\sim}{n} \\ & \underset{\sim}{2} \end{aligned}\right.$ | $\left\lvert\, \begin{gathered} \underset{\sim}{N} \\ \tilde{j} \\ \underset{\sim}{n} \\ \underset{\sim}{2} \end{gathered}\right.$ | $\begin{array}{l\|l} \hline 0 \\ & \vdots \\ \underset{\sim}{n} & \vdots \\ N & \vdots \end{array}$ | $\left\lvert\, \begin{aligned} & \stackrel{\sim}{N} \\ & \tilde{N} \\ & \underset{\sim}{n} \\ & \underset{\sim}{2} \end{aligned}\right.$ | $\begin{aligned} & \mathrm{O} \\ & \mathrm{~m} \\ & \underset{\sim}{2} \\ & \underset{\infty}{2} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{*} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{n} \end{aligned}$ |  | $\left\lvert\, \begin{aligned} & \stackrel{\sim}{N} \\ & \tilde{N} \\ & \underset{\sim}{n} \\ & \underset{\sim}{2} \end{aligned}\right.$ |  | $\begin{aligned} & \hline \stackrel{N}{N} \\ & \underset{\sim}{7} \\ & \underset{\sim}{c} \end{aligned}$ |  |  | $\begin{array}{\|c} \hline \mathrm{O} \\ 0 \\ \underset{\sim}{N} \\ \text { \| } \end{array}$ | $\left.\begin{array}{\|c} \mathrm{O} \\ \mathrm{O} \\ \underset{\sim}{\mathrm{~N}} \end{array} \right\rvert\,$ | $\begin{aligned} & \mathrm{O} \\ & 0 \\ & \mathrm{~N} \\ & \mathrm{~N} \end{aligned}$ | $\left.\begin{array}{\|c\|} \hline \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array} \right\rvert\,$ | $\begin{aligned} & \mathrm{O} \\ & \mathrm{O} \\ & \mathrm{~N} \\ & \mathrm{~N} \end{aligned}$ | $\left\|\begin{array}{c} \mathrm{O} \\ 0 \\ \mathrm{~N} \\ \mathrm{~N} \end{array}\right\|$ | $\left.\begin{array}{\|c\|} \hline \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array} \right\rvert\,$ | $\begin{aligned} & \mathrm{O} \\ & 0 \\ & \mathrm{~N} \\ & \mathrm{~N} \end{aligned}$ | $\begin{array}{\|c\|} \hline \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \end{array}$ | $\begin{aligned} & \mathrm{O} \\ & 0 \\ & \mathrm{~N} \\ & \mathrm{~N} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \mathbf{O} \\ & \underset{\sim}{N} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \mathbf{O} \\ & \underset{\sim}{N} \end{aligned}$ | － |  | $$ | $\left\|\begin{array}{c} \mathrm{O} \\ 0 \\ \text { N} \\ \underset{\infty}{2} \end{array}\right\|$ | $\left\|\begin{array}{l} \mathrm{O} \\ \mathrm{O} \\ \underset{\mathrm{~N}}{\mathrm{o}} \end{array}\right\|$ | $\left\|\begin{array}{c} \hline \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array}\right\|$ | O－ O－ N 0 |
|  | $-$ | － | $\checkmark$ | $\checkmark$ | $\checkmark$ | － | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | － | $\checkmark$ | － | $\checkmark$ | － | － | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | － | － | － | － | $\checkmark$ | － | N | N | $\sim$ | N | N | m | $\cdots$ | m | m | ल | m | n | m | の | m | ल | $\cdots$ | m | m |
|  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bullet$ | $\bigcirc$ | $\bullet$ | $\bullet$ | $\bigcirc$ | $\bullet$ | $\bigcirc$ | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ | $\bigcirc$ | $\bigcirc$ | $\bullet$ | $\bullet$ | $\bullet$ | $\bigcirc$ | $\bullet$ | 10 | 15 | $\infty$ | 15 | 15 | $\checkmark$ | $\checkmark$ | $\checkmark$ | － | － | ＊ | － | ナ | ＋ | － | － | $\checkmark$ | ナ | ナ |
|  | 안 | \％ | 안 | 앙 | is | $\stackrel{1}{5}$ | $\stackrel{\square}{\circ}$ | ค | $\bigcirc$ | $\stackrel{1}{6}$ | $\stackrel{1}{6}$ | $\bigcirc$ | $\stackrel{\square}{\circ}$ | 안 | 앙 | $\stackrel{1}{2}$ | $\bigcirc$ | $\stackrel{1}{\circ}$ | 안 | $\bigcirc$ | $\stackrel{1}{\circ}$ | $\bigcirc$ | $\bigcirc$ | 안 | $\stackrel{\square}{\circ}$ | $\bigcirc$ | $\bigcirc$ | 8 | 8 | $\bigcirc$ | 8 | $\bigcirc$ | ㅇ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | 앙 | － | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | ㅇ | $\bigcirc$ |
|  | $\left\|\begin{array}{l} 0 \\ \frac{1}{0} \\ 0 \\ 1 \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ 1 \\ 0 \\ 10 \\ 0 \end{array}\right\|$ | $\left\lvert\, \begin{aligned} & \infty \\ & \stackrel{\infty}{N} \\ & \underset{N}{2} \end{aligned}\right.$ | $\left\lvert\, \begin{aligned} & \underset{\sim}{\hat{2}} \\ & \underset{\sim}{2} \\ & \underset{\sim}{2} \end{aligned}\right.$ | $\left\|\begin{array}{c} 8 \\ \stackrel{0}{0} \\ \infty \\ \infty \\ \infty \end{array}\right\|$ | $\left\lvert\, \begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \underset{N}{N} \\ & \hline \end{aligned}\right.$ | $\left\|\begin{array}{c} \bar{y} \\ \underset{\sim}{j} \\ \underset{j}{2} \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ \end{array}\right\|$ | $\left\|\begin{array}{c} \hat{0} \\ 0 \\ -\infty \\ \bar{\infty} \end{array}\right\|$ | $\left\|\begin{array}{l} \stackrel{\sim}{n} \\ \underset{\sim}{2} \\ \stackrel{0}{2} \\ \hline \end{array}\right\|$ | $\begin{aligned} & \stackrel{\circ}{N} \\ & \bar{~} \\ & \stackrel{1}{2} \end{aligned}$ | $\left\|\begin{array}{l} 0_{0} \\ e_{j} \\ \dot{0} \end{array}\right\|$ | $\left\|\begin{array}{l} \infty \\ \hat{\alpha} \\ \hat{N} \\ \stackrel{\rightharpoonup}{c} \end{array}\right\|$ | $\left\|\begin{array}{c} \underset{\sim}{N} \\ \underset{\sigma}{2} \end{array}\right\|$ | $\left.\begin{gathered} \hat{N} \\ \mathbf{N} \\ \mathbf{n}^{\circ} \end{gathered} \right\rvert\,$ | 응 | $\left\|\begin{array}{l} \hat{\circ} \\ \dot{\circ} \\ \stackrel{\rightharpoonup}{j} \end{array}\right\|$ | O O N O | $\begin{gathered} \infty \\ \stackrel{\infty}{n} \\ \underset{\sim}{\infty} \end{gathered}$ | $\begin{gathered} \tilde{N} \\ \infty \\ \underset{\sim}{i} \end{gathered}$ | $\left\|\begin{array}{l} 9 \\ \stackrel{9}{5} \\ \stackrel{5}{5} \end{array}\right\|$ | $\left\|\begin{array}{l} \mathfrak{N} \\ \mathbf{o} \\ e^{2} \end{array}\right\|$ |  | $\left\|\begin{array}{c} 0 \\ 0 \\ \underset{\sim}{n} \\ \stackrel{\rightharpoonup}{c} \end{array}\right\|$ | $\begin{array}{\|c} { }_{5}^{\infty} \\ \infty \\ N \end{array}$ | $\left\|\begin{array}{c} \infty \\ 0 \\ \underset{\sim}{2} \\ \underset{\sim}{c} \end{array}\right\|$ | $\left\|\begin{array}{c} \infty \\ \underset{N}{N} \\ \mid \end{array}\right\|$ | $\begin{aligned} & \bar{t} \\ & \bar{\sigma} \end{aligned}$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{\circ} \\ & \stackrel{\circ}{8} \end{aligned}$ | $\begin{array}{\|c\|} \hline \frac{0}{v} \\ \frac{\infty}{\tau} \\ \frac{1}{r} \\ \hline \end{array}$ | $\left\lvert\, \begin{gathered} \infty \\ \infty \\ \underset{\sim}{-} \\ \dot{寸} \end{gathered}\right.$ |  | $\left.\begin{gathered} \underset{\sim}{3} \\ \underset{\sim}{0} \end{gathered} \right\rvert\,$ | $\left\|\begin{array}{c} \infty \\ \stackrel{+}{6} \\ \stackrel{\circ}{8} \end{array}\right\|$ | $\begin{gathered} \mathbb{Z} \\ \underset{\sim}{\infty} \end{gathered}$ | $\begin{gathered} N \\ \stackrel{N}{7} \\ \stackrel{m}{5} \end{gathered}$ |  |  | $\begin{aligned} & 8 \\ & \hline \\ & 0 \\ & \hline \end{aligned}$ |  | $\begin{aligned} & 9 \\ & \stackrel{0}{n} \\ & 0 \\ & \hline \end{aligned}$ | $\left\|\begin{array}{c} \overline{0} \\ \infty \\ \underset{n}{n} \end{array}\right\|$ | $\left\|\begin{array}{c} \underset{\sim}{\mathrm{H}} \\ \\ \infty \\ \underset{\sim}{2} \end{array}\right\|$ | $\left\|\begin{array}{c} N \\ N \\ N \\ N \end{array}\right\|$ | $\stackrel{\sim}{\text { co }}$ |
|  | $\left.\begin{array}{\|c\|} \stackrel{\sim}{\mathrm{N}} \\ \mathrm{~N} \end{array} \right\rvert\,$ | $\left.\begin{array}{\|c\|} \hline \stackrel{0}{\mathrm{~N}} \\ \mathrm{~N} \end{array} \right\rvert\,$ | $\begin{array}{\|l\|} \hline \hat{N} \\ \underset{N}{2} \end{array}$ | $\begin{aligned} & \text { © } \\ & \underset{\sim}{\mathrm{N}} \end{aligned}$ | $\begin{array}{\|c\|} \hline \stackrel{N}{\mathrm{~N}} \\ \text { N } \end{array}$ | $\begin{array}{\|c\|} \hline \stackrel{o}{\mathrm{~N}} \\ \hline \end{array}$ | $\left\|\begin{array}{l} \bar{ल} \\ \stackrel{N}{N} \end{array}\right\|$ | $\begin{aligned} & \underset{\sim}{N} \\ & \underset{N}{2} \end{aligned}$ | $\left\lvert\, \begin{aligned} & \stackrel{\sim}{\mathrm{N}} \\ & \text { N} \end{aligned}\right.$ | $\begin{array}{\|c\|} \hline \stackrel{y}{\mathrm{~N}} \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline 0 \\ 0 \\ \underset{N}{2} \end{array}$ | $\begin{array}{\|c\|} \hline \stackrel{e}{\mathrm{~N}} \\ \hline \end{array}$ | $\left\|\begin{array}{l} \overline{0} \\ \stackrel{N}{N} \end{array}\right\|$ | $\left\|\begin{array}{l} \mathrm{N} \\ \mathrm{~N} \\ \mathrm{~N} \end{array}\right\|$ | $$ | $\left. \right\rvert\,$ | $\left.\begin{array}{\|l\|} \hline \mathbf{0} \\ 0 \\ \underset{N}{2} \end{array} \right\rvert\,$ | $\left.\begin{array}{\|l\|} \hline 0 \\ 0 \\ 0 \\ N \end{array} \right\rvert\,$ | $\begin{array}{\|c} \hat{N} \\ \underset{N}{N} \end{array}$ | $\begin{aligned} & \hline \stackrel{\rightharpoonup}{6} \\ & \text { N} \end{aligned}$ | $\left\|\begin{array}{c} \bar{e} \\ \underset{N}{2} \end{array}\right\|$ | $\left\lvert\, \begin{aligned} & \underset{N}{\mathrm{~N}} \\ & \underset{N}{2} \end{aligned}\right.$ | $\left.\begin{array}{\|c\|} \hline 0 \\ \hline \\ \underset{N}{2} \end{array} \right\rvert\,$ | $\left.\begin{array}{\|l\|} \hline \stackrel{\rightharpoonup}{4} \\ \hline \end{array} \right\rvert\,$ | $\begin{aligned} & \mathrm{O} \\ & \mathrm{O} \\ & \mathrm{~N} \end{aligned}$ | $\left\|\begin{array}{c} \bar{\infty}_{\hat{N}} \end{array}\right\|$ | $\frac{8}{2}$ | $\overline{\overline{0}}$ | $\stackrel{N}{N}$ | $\begin{aligned} & \mathrm{m} \\ & \stackrel{0}{\mathrm{~N}} \end{aligned}$ | $\frac{\stackrel{\rightharpoonup}{\mathrm{N}}}{\stackrel{1}{2}}$ | $\left\lvert\, \frac{o}{\stackrel{1}{N}}\right.$ | $\left\lvert\, \frac{ন}{\bar{N}}\right.$ | $\left\lvert\, \begin{array}{\|c} \stackrel{N}{\mathrm{~N}} \\ \hline \end{array}\right.$ | $\frac{m}{\stackrel{N}{N}}$ | $\frac{\stackrel{\rightharpoonup}{5}}{\stackrel{1}{N}}$ | $\frac{n}{\stackrel{n}{N}}$ | $\frac{0}{\stackrel{ }{N}}$ | $\stackrel{\text { ¢ }}{\stackrel{1}{\sim}}$ |  |  | $\begin{array}{\|l\|} \stackrel{\rightharpoonup}{\mathrm{N}} \\ \stackrel{\rightharpoonup}{N} \end{array}$ | $\stackrel{\Gamma}{N}$ | $\begin{aligned} & \underset{N}{N} \\ & \stackrel{N}{2} \end{aligned}$ | $\stackrel{N}{\stackrel{N}{N}}$ |
|  | 5TDZK23C79S282635 |  |  |  | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ N \\ 0 \\ 0 \\ 0 \\ 0 \\ N \\ \underset{N}{N} \\ 0 \\ i \end{array}\right\|$ |  |  |  |  | 5TDZK23C49S286349 |  |  |  |  |  |  |  | G0L9GIL6LYGEOHVOI |  |  |  |  | $\infty$ <br> 0 <br>  <br>  <br>  <br>  <br>  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $$ | $\stackrel{\sim}{\square}$ | $\stackrel{\square}{\square}$ | $\stackrel{\square}{-}$ | $\stackrel{\sim}{\square}$ | $\cdots$ | $\stackrel{\sim}{\square}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\square}$ | $\cdots$ | $\stackrel{\sim}{\square}$ | $\cdots$ | $\stackrel{\square}{-}$ | $\stackrel{\square}{-}$ | $\stackrel{\square}{-}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\square}{\square}$ | $\stackrel{\square}{\square}$ | $\stackrel{\square}{\square}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\square}{\square}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\square}{-}$ | $\stackrel{\square}{-}$ | $\stackrel{-}{-}$ | $\stackrel{\square}{-}$ | $\stackrel{\square}{-}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\square}{\square}$ | $\cdots$ | $\stackrel{\square}{\square}$ | $\stackrel{\sim}{-}$ | $\stackrel{-}{-}$ | $\stackrel{\square}{-}$ | $\stackrel{\square}{\square}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\sim}{\sim}$ | m | $\cdots$ | $\cdots$ | $\cdots$ | $\stackrel{\square}{\square}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\sim}{\square}$ |
|  | 2009 Toyota Sienna | 2009 Toyota Sienna |  | 2009 Toyota Sienna | 2009 Toyota Sienna | 2009 Toyota Sienna |  | 2009 Toyota Sienna |  | 2009 Toyota Sienna |  |  |  |  |  |  |  |  |  |  |  | $\left\lvert\, \begin{gathered} 0 \\ 0 \\ 0 \\ \vdots \\ \underset{\sim}{\grave{1}} \\ \lambda \\ 0 \\ \vdots \\ \vdots \\ 0 \\ 0 \\ 0 \\ \hline \end{gathered}\right.$ |  |  | $\begin{array}{\|c\|} 0 \\ 0 \\ 0 \\ 0 \\ \underset{\sim}{x} \\ \lambda \\ \lambda \\ 0 \\ \hline 0 \\ 0 \\ \hline \\ \hline N \end{array}$ |  |  | $c$ <br> $\stackrel{N}{0}$ <br> $\stackrel{0}{0}$ <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 | $c$ <br> $\stackrel{N}{0}$ <br> $\stackrel{0}{0}$ <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 |  |  |  |  |  |  |  |  |  | $\begin{gathered} \stackrel{c}{w} \\ \stackrel{\rightharpoonup}{0} \\ \stackrel{0}{0} \\ 0 \\ 0 \\ 0 \\ 0 \\ \stackrel{\rightharpoonup}{c} \\ \stackrel{\rightharpoonup}{N} \end{gathered}$ | $$ | $\begin{gathered} c \\ \stackrel{0}{0} \\ \stackrel{0}{0} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \stackrel{\rightharpoonup}{2} \\ \hline \mathbf{N} \end{gathered}$ |  |  |  |  |
|  | 찯 | $\stackrel{N}{N}$ | $\stackrel{\sim}{\sim}$ | N | $\stackrel{\sim}{\stackrel{\circ}{\sim}}$ | $\stackrel{\circ}{\sim}$ | $\stackrel{\text { N }}{ }$ | $\stackrel{\infty}{\stackrel{\infty}{\sim}}$ | $\stackrel{9}{2}$ | $\stackrel{\circ}{\infty}$ | $\underset{\sim}{\square}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\square}{\infty}$ | $\stackrel{\sim}{\infty}$ | $\left\|\begin{array}{c} \infty \\ \infty \\ \sim \end{array}\right\|$ | $\stackrel{\sim}{\infty}$ | $\left.\begin{aligned} & \infty \\ & \propto \\ & \sim \end{aligned} \right\rvert\,$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\circ}{\sim}$ | $\bar{\sigma}$ | $\stackrel{N}{\mathrm{~N}}$ | $\begin{aligned} & 9 \\ & \hline \end{aligned}$ | $\stackrel{\square}{\square}$ | $\stackrel{\circ}{\square}$ | $\stackrel{\circ}{\circ}$ | $\stackrel{\text { 人 }}{\sim}$ | $\stackrel{\infty}{\circ}$ | \％ | O- | $\stackrel{\Gamma}{\mathrm{N}}$ | $\begin{gathered} \mathrm{N} \\ \mathrm{~N} \end{gathered}$ | $\begin{gathered} \underset{N}{N} \\ \hline \end{gathered}$ | $\begin{array}{\|c} \underset{\sim}{\mathrm{N}} \end{array}$ | $\begin{aligned} & \mathrm{o} \\ & \underset{\sim}{n} \end{aligned}$ | $\begin{aligned} & \circ \\ & \stackrel{\rightharpoonup}{N} \end{aligned}$ | $\stackrel{N}{\mathrm{~N}}$ | $\infty$ | 8 |  | $\stackrel{\Gamma}{N}$ | $\stackrel{N}{\mathrm{~N}}$ | $\stackrel{m}{N}$ | $\stackrel{\star}{N}$ | $\stackrel{10}{\sim}$ |


|  | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\infty}{\sim}$ | $\stackrel{\mathscr{N}}{\stackrel{\wedge}{\lambda}}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\sim}{\otimes}$ | $\stackrel{\otimes}{\otimes}$ | $\stackrel{\omega}{\wedge}$ | $\begin{aligned} & \infty \\ & \stackrel{0}{\lambda} \end{aligned}$ | $\left\|\begin{array}{l} \infty \\ \stackrel{0}{\lambda} \end{array}\right\|$ | $\stackrel{\infty}{\infty}$ | $\left\lvert\, \begin{aligned} & \infty \\ & \stackrel{\infty}{\lambda} \end{aligned}\right.$ | $\left\|\begin{array}{l} \infty \\ \stackrel{0}{\lambda} \end{array}\right\|$ | $\begin{aligned} & \infty \\ & \stackrel{0}{\lambda} \end{aligned}$ | $\stackrel{\circ}{\otimes}$ | $\stackrel{\infty}{\infty}$ | $\left\lvert\, \begin{aligned} & \mathscr{0} \\ & \stackrel{\infty}{\lambda} \end{aligned}\right.$ | $\begin{aligned} & \infty \\ & \stackrel{0}{\lambda} \end{aligned}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\left\|\begin{array}{l} \infty \\ \stackrel{0}{\lambda} \end{array}\right\|$ | $\left\|\begin{array}{l} \infty \\ \stackrel{\infty}{\lambda} \end{array}\right\|$ | $\stackrel{\infty}{\otimes}$ | $\stackrel{\sim}{0}$ | $\left\|\begin{array}{l} \infty \\ \stackrel{\infty}{\lambda} \end{array}\right\|$ | $\begin{aligned} & \infty \\ & \stackrel{0}{\lambda} \end{aligned}$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{\lambda} \end{aligned}$ | $\stackrel{\infty}{\infty} \mid$ | $\stackrel{\infty}{\varnothing}$ | $\stackrel{\infty}{\infty}$ | $\left\|\begin{array}{l} \infty \\ \stackrel{\infty}{\lambda} \end{array}\right\|$ | $$ | $\left\|\begin{array}{l} \infty \\ \stackrel{\infty}{\lambda} \end{array}\right\|$ | $\stackrel{\infty}{\perp}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\mathscr{N}}{\stackrel{0}{\lambda}}$ | $\begin{aligned} & \infty \\ & \infty \end{aligned}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\stackrel{\infty}{\lambda}}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty} \mid$ | $\stackrel{\otimes}{\infty}$ | $\left\|\begin{array}{l} \infty \\ \stackrel{\infty}{\lambda} \end{array}\right\|$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ¢ | ＜ | ভ | $\underset{\circlearrowleft}{\overleftarrow{0}}$ | $\underset{\circlearrowleft}{\mathbb{O}}$ | $\underset{\circlearrowleft}{\Psi}$ | $\underset{\circlearrowleft}{\top}$ | $\underset{\circlearrowleft}{\overleftarrow{0}}$ | $\underset{0}{4}$ | $\underset{\circlearrowleft}{\overleftarrow{0}}$ | $\underset{\circlearrowleft}{\top}$ | $\underset{\circlearrowleft}{\overleftarrow{~}}$ | $\underset{\circlearrowleft}{\overleftarrow{0}} \mid$ | $\underset{0}{4}$ | $\underset{\circlearrowleft}{\overleftarrow{\top}}$ | $\underset{\circlearrowleft}{\overleftarrow{\top}}$ | $\overleftarrow{\circlearrowleft}$ | $\underset{\circlearrowleft}{\top}$ | $\underset{\circlearrowleft}{\top}$ | $\underset{\circlearrowleft}{\overleftarrow{৫}}$ | $\underset{0}{4}$ | ব | $\underset{\top}{\top}$ | $\underset{\circlearrowleft}{\Psi}$ | $\underset{\circlearrowleft}{\Psi}$ | $\underset{0}{4}$ | ভ | $\underset{\circlearrowleft}{\overleftarrow{O}}$ | $\underset{\circlearrowleft}{4}$ | $\underset{\circlearrowleft}{\overleftarrow{0}}$ | ব | $\stackrel{\mathbb{1}}{\mathbf{0}}$ | ৫ | $\stackrel{\varangle}{\mathrm{O}}$ | $\underset{\circlearrowleft}{\top}$ | $\underset{\circlearrowleft}{\overleftarrow{0}}$ | $\underset{\sim}{\top}$ | $\underset{\sim}{\overleftarrow{0}}$ | $\|\underset{\circlearrowleft}{\top}\|$ | $\underset{\mathbf{0}}{\mathbf{~}}$ | $\underset{\circlearrowleft}{\overleftarrow{0}}$ | $\underset{0}{4}$ | $\stackrel{\boxed{O}}{\mathbf{0}}$ | $\underset{\circlearrowleft}{\top}$ | ¢ |
|  | $\wedge$ | $\wedge$ | N | 入 | 入 | 入 | $\wedge$ | $\wedge$ | $\sim$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{ }{\sim}$ | $\cdots$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\underset{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\square}{\square}$ | $\stackrel{1}{\sim}$ | $\stackrel{10}{\sim}$ | 入 | 入 | N | N | N | N | 入 | $\wedge$ | 入 | N | N | 入 |
|  | $\bigcirc$ | 을 | $\bigcirc$ | 을 | 을 | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | 을 | $\bigcirc$ | 을 | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | 응 | 응 | $\bigcirc$ | 응 | 응 | $\bigcirc$ | 응 | 을 | 응 | 응 | $\bigcirc$ | 을 | 응 | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | 을 | $\bigcirc$ | 을 | 을 | 을 | 읃 | $\bigcirc$ | $\bigcirc$ | 을 | $\bigcirc$ | $\bigcirc$ | 응 |
|  | $\begin{array}{\|l\|} \hline \mathrm{O} \\ \mathrm{O} \\ \tilde{N} \\ \mathrm{~N} \end{array}$ | $\begin{aligned} & \hline \mathrm{O} \\ & \mathrm{O} \\ & \underset{N}{\mathrm{~N}} \\ & \hline \end{aligned}$ | O $\underset{O}{2}$ N N | $\begin{array}{\|c} \hline \mathrm{O} \\ \underset{N}{N} \\ \underset{\sim}{2} \end{array}$ | $\begin{aligned} & \mathrm{O} \\ & \mathrm{O} \\ & \text { Nָ } \\ & \text { N } \end{aligned}$ | O O N N | $\left\|\begin{array}{c} \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array}\right\|$ | $\left.\begin{array}{\|l\|} \hline \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array} \right\rvert\,$ | $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{n} \\ & \underset{\sim}{2} \end{aligned}$ | $\left\lvert\, \begin{aligned} & \stackrel{\sim}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{N} \\ & \hline \end{aligned}\right.$ | $\left\lvert\, \begin{gathered} \underset{\sim}{N} \\ \underset{\sim}{2} \\ \underset{\sim}{N} \\ \hline \end{gathered}\right.$ | $\begin{aligned} & \hline \stackrel{O}{N} \\ & \underset{\sim}{n} \\ & \underset{\sim}{n} \end{aligned}$ | $\left\|\begin{array}{l} \stackrel{\sim}{N} \\ \underset{\sim}{2} \\ \underset{\sim}{\infty} \end{array}\right\|$ | $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{c} \\ & \hline \end{aligned}$ | $\left\lvert\, \begin{array}{l\|} \hline \stackrel{\sim}{N} \\ \underset{\sim}{n} \\ \underset{\sim}{*} \end{array}\right.$ | $$ | $\begin{aligned} & \hline \stackrel{O}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{N} \end{aligned}$ | $\left\|\begin{array}{c} \underset{\sim}{N} \\ \underset{\sim}{2} \\ \underset{\sim}{\infty} \end{array}\right\|$ | $\left.\begin{aligned} & \hline \stackrel{\circ}{N} \\ & \underset{\sim}{n} \\ & \underset{\sim}{n} \end{aligned} \right\rvert\,$ | $\begin{aligned} & \stackrel{\circ}{N} \\ & \underset{\sim}{7} \\ & \underset{\sim}{*} \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{n} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \hline \stackrel{\circ}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{n} \\ & \underset{ }{2} \end{aligned}$ | $\left\lvert\, \begin{gathered} \underset{\sim}{N} \\ \underset{\sim}{2} \\ \underset{\sim}{N} \\ \underset{\sim}{2} \end{gathered}\right.$ | $\left\lvert\, \begin{aligned} & \stackrel{\sim}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{c} \\ & \hline \end{aligned}\right.$ | $\begin{aligned} & \hline \stackrel{N}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{\infty} \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{n} \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \underset{\sim}{2} \\ & \underset{\sim}{n} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{2} \end{aligned}$ | $\left\|\begin{array}{c} \underset{\sim}{N} \\ \underset{\sim}{2} \\ \underset{\sim}{N} \end{array}\right\|$ | $$ |  |  |  | O O Ǹ N | $\left.\begin{array}{\|c\|} \hline \mathrm{O} \\ \mathrm{O} \\ \underset{\sim}{\mathrm{~N}} \end{array} \right\rvert\,$ | $\begin{aligned} & \mathrm{O} \\ & 0 \\ & \underset{\sim}{\mathrm{~N}} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \mathrm{O} \\ & \underset{\sim}{\mathrm{~N}} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \mathrm{O} \\ & \underset{\sim}{\mathrm{~N}} \end{aligned}$ | O <br> O <br> N <br>  | $\left\|\begin{array}{c} \mathrm{O} \\ \mathrm{o} \\ \underset{\sim}{\mathrm{j}} \end{array}\right\|$ | $\begin{aligned} & \hline \mathrm{O} \\ & 0 \\ & \underset{\sim}{\mathrm{~N}} \end{aligned}$ | $\left.\begin{array}{\|c} \hline \mathrm{O} \\ 0 \\ \underset{\sim}{\mathrm{~N}} \end{array} \right\rvert\,$ | $\begin{aligned} & \mathrm{O} \\ & \mathrm{O} \\ & \text { Nin } \\ & \underset{\infty}{ } \end{aligned}$ | O O $\underset{\sim}{\mathrm{N}}$ N | O O N N |
|  | m | m | m | m | $\cdots$ | ल | m | ल | m | m | m | m | ल | ल | m | ल | m | m | m | $\cdots$ | m | ल | m | m | m | m | ल | ल | m | m | ल | ल | m | $\checkmark$ | － | － | $\checkmark$ | － | － | － | － | $\checkmark$ | － | ナ | － |
|  | － | ＊ | ＊ | － | ＋ | － | ナ | ＊ | $\checkmark$ | $\checkmark$ | ＊ | － | $\checkmark$ | $\checkmark$ | ＊ | － | $\checkmark$ | ＊ | － | － | $\checkmark$ | － | ＊ | $\checkmark$ | － | $\checkmark$ | $\checkmark$ | ＊ | ＊ | － | ＊ | ナ | － | m | $\cdots$ | ल | ल | ल | m | ल | m | $\cdots$ | m | m | $m$ |
|  | ㅇ | ㅇ | ㅇ | ㅇ | $\bigcirc$ | ㅇ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | ㅇ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\bigcirc$ | $\bigcirc$ |
|  | $\left\|\begin{array}{l} 0 \\ 0 \\ \infty \\ \underset{N}{1} \end{array}\right\|$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \underset{N}{N} \\ & \stackrel{\rightharpoonup}{-} \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{gathered} \bar{\sigma} \\ \bar{\sigma} \\ \stackrel{\rightharpoonup}{n} \end{gathered}$ | $\left\|\begin{array}{l} y_{0} \\ 0 \\ 5^{\circ} \end{array}\right\|$ | $\left\|\begin{array}{c} \bar{n} \\ \underset{N}{n} \\ \stackrel{n}{n} \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ \infty \\ 0 \\ 0 \\ 0 \end{array}\right\|$ | $\left\|\begin{array}{c} \tilde{M} \\ 0 \\ \underset{寸}{-} \end{array}\right\|$ | $\left\|\begin{array}{c} \underset{\sim}{N} \\ \underset{0}{-} \end{array}\right\|$ | $\left\|\begin{array}{c} N \\ 0 \\ 10 \\ \mathrm{O}^{2} \end{array}\right\|$ | $\left.\begin{aligned} & 0 \\ & \stackrel{0}{N} \\ & \hat{N} \end{aligned} \right\rvert\,$ | $\left\|\begin{array}{c} \stackrel{O}{\mathrm{~N}} \\ \stackrel{\rightharpoonup}{\circ} \\ \stackrel{2}{2} \end{array}\right\|$ | $\left\|\begin{array}{c} \stackrel{\sim}{n} \\ ल \\ \underset{\sim}{2} \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ \underset{y}{c} \\ 8 \\ \hline \end{array}\right\|$ | $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \tilde{\sigma} \\ & \dot{\sigma} \end{aligned}$ | $\left\|\begin{array}{l} \stackrel{L}{O} \\ \underset{N}{0} \\ \underset{N}{2} \end{array}\right\|$ |  |  | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ \tilde{j} \\ 0 \end{array}\right\|$ |  | $\left\|\begin{array}{c} N \\ \vdots \\ \dot{e} \\ \underset{\sim}{2} \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ \infty \\ 0 \\ 0 \\ N \end{array}\right\|$ | $\left\|\begin{array}{l} \circ \\ 0 \\ 0 \\ 0 \\ \hline- \end{array}\right\|$ | $\left\|\begin{array}{l} \infty \\ \infty \\ \infty \\ \infty \\ 0 \\ 0 \end{array}\right\|$ | $\begin{aligned} & \underset{\sim}{0} \\ & 0 \\ & 0 \\ & 0 \\ & \sim \end{aligned}$ | $\begin{aligned} & \circ \\ & \stackrel{\circ}{\infty} \\ & \stackrel{-}{2} \end{aligned}$ | $\left\|\begin{array}{c} \infty \\ \underset{\sim}{N} \\ \underset{\infty}{\infty} \end{array}\right\|$ | 10 <br> 0 <br> 0 <br> 10 <br> 1 <br> 0 | $\left\|\begin{array}{l} 8 \\ o \\ \underset{0}{0} \end{array}\right\|$ | $\left\|\begin{array}{l} \overline{0} \\ 0 \\ 0 \\ م \end{array}\right\|$ | $\begin{aligned} & \mathbf{N} \\ & \mathbf{N} \\ & 0 \\ & 0 \end{aligned}$ | $\left\|\begin{array}{c} \underset{\sim}{m} \\ \underset{\sim}{j} \end{array}\right\|$ | $\begin{array}{\|l\|} \hline \frac{\sigma}{i} \\ \sigma^{2} \\ \underset{\sigma}{ } \end{array}$ | $\begin{aligned} & \underset{\sim}{7} \\ & \underset{\sim}{n} \\ & \end{aligned}$ | $\begin{aligned} & \text { N్} \\ & \text { oे} \\ & \hline \text { N} \end{aligned}$ | $\begin{aligned} & \mathbf{c}_{0} \\ & \infty \\ & 0^{-} \end{aligned}$ | $\left\|\begin{array}{l} \tilde{N} \\ \dot{j} \\ \mathcal{F} \end{array}\right\|$ | $\begin{array}{\|l\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $\begin{aligned} & \hline 9 \\ & 0 \\ & 0 \\ & 0 \\ & 1 \end{aligned}$ | $\left\|\begin{array}{c} N \\ \underset{c}{c} \\ \underset{N}{s} \end{array}\right\|$ | $\begin{array}{\|l\|} \hline 0 \\ \underset{\sim}{n} \\ \underset{N}{n} \end{array}$ | $\left\|\begin{array}{c} \infty \\ \underset{\sim}{j} \\ i \end{array}\right\|$ | \％ |
|  | $\left\lvert\, \begin{array}{\|c\|} \underset{N}{N} \\ \hline \end{array}\right.$ | $\begin{aligned} & \stackrel{N}{N} \\ & \stackrel{N}{N} \end{aligned}$ | $\begin{aligned} & \stackrel{\otimes}{N} \\ & \stackrel{N}{2} \end{aligned}$ | $\stackrel{N}{N}$ | $\left\lvert\, \begin{aligned} & \infty \\ & N \\ & N \end{aligned}\right.$ | $\left\lvert\, \begin{array}{\|c\|} \hline \stackrel{N}{N} \\ \hline \end{array}\right.$ | $\begin{array}{\|l\|} \hline \stackrel{p}{n} \\ \stackrel{n}{2} \end{array}$ | $\|\overline{\mathrm{m}}\|$ | $\begin{array}{\|c\|} \hline \underset{N}{N} \\ \stackrel{N}{2} \end{array}$ | $\left\lvert\, \begin{aligned} & \mathrm{o} \\ & \stackrel{y}{\mathrm{~N}} \end{aligned}\right.$ | $\overline{\dot{d}} \mid$ | $\begin{array}{\|c\|} \stackrel{N}{\mathcal{N}} \\ \hline \end{array}$ | $\begin{array}{\|c} \stackrel{?}{\mathrm{~N}} \end{array}$ | $\frac{\mathcal{V}}{\bar{N}}$ | $\begin{array}{\|l\|} \hline \frac{5}{N} \\ \stackrel{7}{N} \end{array}$ | $\begin{array}{l\|} \hline \dot{9} \\ \stackrel{\rightharpoonup}{N} \end{array}$ | $\begin{array}{\|c\|} \hat{J} \\ \bar{N} \end{array}$ | $\left\|\begin{array}{l} \infty \\ \stackrel{+}{N} \end{array}\right\|$ | $\begin{aligned} & \hline \dot{F} \\ & \stackrel{\rightharpoonup}{N} \end{aligned}$ | $\begin{aligned} & \circ \\ & \stackrel{\circ}{N} \\ & \stackrel{n}{2} \end{aligned}$ | $\frac{\bar{N}}{\bar{N}}$ | $\begin{array}{\|c\|} \hline N \\ \stackrel{N}{N} \end{array}$ | $\begin{array}{\|c\|} \hline \frac{10}{N} \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \stackrel{y}{N} \\ \stackrel{2}{2} \\ \hline \end{array}$ | $\left.\begin{array}{\|l\|} \hline \frac{6}{5} \\ \stackrel{n}{N} \end{array} \right\rvert\,$ | $\begin{aligned} & \varphi \\ & \stackrel{6}{N} \\ & \stackrel{n}{2} \end{aligned}$ | $\begin{array}{\|c\|} \hline \frac{10}{N} \\ \hline \end{array}$ | $\begin{aligned} & \infty \\ & \stackrel{0}{N} \end{aligned}$ | $\left.\begin{array}{\|l\|} \hline 9 \\ \stackrel{B}{N} \end{array} \right\rvert\,$ | $\begin{aligned} & \mathrm{e} \\ & \stackrel{e}{N} \end{aligned}$ | $\begin{array}{\|l\|} \hline \stackrel{?}{\mathrm{~N}} \\ \hline \end{array}$ | $\begin{array}{\|l\|} \bar{\lambda} \\ \bar{N} \end{array}$ | $\stackrel{N}{N}$ | 은 | $\begin{array}{\|c\|} \hline{ }_{N}^{N} \end{array}$ | $\begin{aligned} & \mathrm{N} \\ & \mathrm{~N} \end{aligned}$ | $\begin{aligned} & \text { N} \\ & \text { N} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \underset{N}{2} \end{aligned}$ | $\left.\begin{array}{\|l\|} \hline \stackrel{L}{0} \\ \text { NN} \end{array} \right\rvert\,$ | $\begin{array}{\|l\|} \hline \mathbf{O} \\ \text { N} \end{array}$ | $\begin{aligned} & \mathrm{N} \\ & \stackrel{N}{N} \end{aligned}$ | $\begin{array}{\|c\|} \hline \infty \\ \underset{N}{N} \end{array}$ | $\begin{aligned} & \hline \stackrel{\rightharpoonup}{\mathrm{N}} \\ & \text { Nin } \end{aligned}$ | $\stackrel{\circ}{\mathrm{N}}$ | $\stackrel{\checkmark}{\text { N}}$ |
|  | 2D4RN4DG6BR732491 |  |  |  |  |  |  |  |  |  |  | 1FBNE3BL4BDA90480 |  |  | 1FBNE3BL5BDA90472 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1FBNE3BL2BDA90476 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | $\stackrel{\square}{\sim}$ | $\cdots$ | $\stackrel{\square}{-}$ | $\stackrel{\sim}{\sim}$ | $\cdots$ | $\stackrel{\sim}{\sim}$ | $\stackrel{-}{\square}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\square}{-}$ | $\cdots$ | $\stackrel{-}{-}$ | $\stackrel{\sim}{-}$ | $\stackrel{-}{-}$ | $\stackrel{\square}{-}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\square}{-}$ | $\stackrel{\sim}{-}$ | $\stackrel{-}{-}$ | $\stackrel{\square}{-}$ | $\stackrel{\sim}{-}$ | $\stackrel{\square}{-}$ | $\stackrel{\sim}{-}$ | $\stackrel{\square}{-}$ | $\stackrel{-}{-}$ | $\stackrel{\sim}{-}$ | $\stackrel{\square}{-}$ | $\stackrel{\square}{\square}$ | $\cdots$ | $\stackrel{-}{-}$ | $\cdots$ | $\stackrel{\square}{-}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\square}{-}$ | $\stackrel{\square}{\square}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\square}{\square}$ | $\cdots$ | $\stackrel{\square}{-}$ | $\stackrel{\square}{\square}$ | $\cdots$ | $\stackrel{\square}{\square}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\square}{-}$ | $\stackrel{\square}{-}$ |
|  |  |  |  |  |  |  | 2011 Dodge Caravan |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2012 Dodge Caravan |
|  | $\left\|\frac{0}{N}\right\|$ | $\stackrel{N}{N}$ | $\stackrel{\infty}{\stackrel{\infty}{N}}$ | $\stackrel{\Omega}{\mathrm{N}}$ | 인 | $\overline{\mathrm{N}}$ | $\stackrel{\sim}{\mathrm{N}}$ | $\underset{N}{N}$ | $\underset{N}{\underset{N}{*}}$ | $\begin{array}{\|c} \stackrel{\sim}{N} \\ \text { N } \end{array}$ | $\begin{array}{\|c} \stackrel{0}{N} \\ \mathrm{~N} \end{array}$ | $\hat{\mathrm{N}}$ | $\left\|\begin{array}{c} \infty \\ \underset{N}{N} \end{array}\right\|$ | $\begin{array}{\|c} \stackrel{\sim}{\mathrm{N}} \\ \hline \end{array}$ | $\begin{aligned} & \text { O} \\ & \underset{N}{2} \\ & \hline \end{aligned}$ | $\bar{\sim}$ | $\underset{N}{\widetilde{N}}$ | $\stackrel{\underset{\sim}{2}}{\stackrel{1}{2}}$ | $\underset{N}{\underset{N}{2}}$ | $\stackrel{\sim}{N}$ | $\left\|\begin{array}{c} \bullet \\ \underset{N}{2} \end{array}\right\|$ | $\stackrel{\hat{N}}{\hat{N}}$ | $\begin{array}{\|c} \infty \\ \underset{N}{N} \\ \hline \end{array}$ | $$ | $\begin{array}{\|c} \stackrel{\circ}{\mathrm{N}} \\ \hline \end{array}$ | $\underset{\sim}{\underset{\sim}{N}}$ | $\stackrel{\sim}{\underset{\sim}{*}}$ | $\stackrel{\sim}{\underset{\sim}{~}}$ | $\stackrel{\ddagger}{\underset{N}{2}}$ | $\begin{array}{\|c} \substack{2 \\ ~} \\ \hline \end{array}$ | $\begin{array}{\|c} 0 \\ \underset{\sim}{*} \\ \hline \end{array}$ | $\stackrel{\underset{\sim}{\mathrm{N}}}{ }$ | $\begin{gathered} \infty \\ \underset{\sim}{*} \end{gathered}$ | $\left\lvert\, \begin{gathered} \underset{\sim}{\underset{\sim}{2}} \end{gathered}\right.$ | $$ | $\stackrel{\Gamma}{N}$ | $\stackrel{\text { N}}{\text { N }}$ | $\stackrel{గ}{\sim}$ | $\stackrel{\mathrm{y}}{\mathrm{~N}}$ | $\stackrel{1}{\sim}$ | $\begin{gathered} \bullet \\ \stackrel{\leftrightarrow}{N} \end{gathered}$ | N | $\begin{array}{\|c} \infty \\ \stackrel{\sim}{N} \\ \hline \end{array}$ | $\stackrel{\square}{\sim}$ | － |


|  | $\stackrel{\sim}{\sim}$ | 읃 | $\stackrel{\infty}{\varnothing}$ | 을 | $\stackrel{\infty}{\perp}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\stackrel{\circ}{\infty}}{\stackrel{1}{\lambda}}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\stackrel{0}{\lambda}}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\begin{aligned} & \infty \\ & \stackrel{0}{\lambda} \end{aligned}$ | $\left\|\begin{array}{l} \infty \\ \stackrel{\infty}{\lambda} \end{array}\right\|$ | $\stackrel{\infty}{\infty}$ | $\left\|\begin{array}{l} \infty \\ \stackrel{0}{\lambda} \end{array}\right\|$ | $\stackrel{\mathscr{N}}{\stackrel{0}{\lambda}} \mid$ | $\stackrel{\infty}{\infty}$ | $\bigcirc$ | 응 | 알 | 응 | $\bigcirc$ | 응 | 응 | 을 | 응 | 응 | 응 | 응 | 잉 | $\bigcirc$ | $\stackrel{\mathscr{D}}{\stackrel{\infty}{\lambda}}$ | $\stackrel{\infty}{\infty}$ | $\left\|\begin{array}{l} \infty \\ \stackrel{y}{2} \end{array}\right\|$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\oplus}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\left\|\begin{array}{l} \infty \\ \stackrel{\infty}{\lambda} \end{array}\right\|$ | $\stackrel{\otimes}{\otimes}$ | $\stackrel{\infty}{\infty}$ |  |  | 응 | 응 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\stackrel{\overline{0}}{\stackrel{0}{4}} \stackrel{\stackrel{2}{2}}{\gtrless}$ | ¢ | $\underset{\circlearrowleft}{\circlearrowleft}$ | $\underset{\circlearrowleft}{\overleftarrow{\top}}$ | $\underset{\circlearrowleft}{\Psi}$ | $\mathbb{\top}$ | $\underset{0}{4}$ | $\underset{\circlearrowleft}{\mathbb{O}}$ | ৫ | $\underset{\circlearrowleft}{\Psi}$ | $\underset{\text { © }}{\mathbf{U}}$ | $\underset{\circlearrowleft}{\mathbb{O}}$ | $\underset{\circlearrowleft}{\overleftarrow{0}}$ | $\underset{\mathrm{O}}{\mathbf{4}}$ | $\underset{~ ভ ~}{\text { ৫ }}$ | $\underset{\circlearrowleft}{\top}$ | $\underset{\circlearrowleft}{\Psi}$ | $\underset{\circlearrowleft}{\overleftarrow{0}}$ | $\underset{\sim}{\mathbb{O}}$ | ভ | $\underset{\circlearrowleft}{\overleftarrow{O}}$ | $\stackrel{\varangle}{\mathrm{O}}$ | $\underset{0}{\mathbb{O}}$ | ভ | $\underset{0}{4}$ | $\underset{\circlearrowleft}{\Psi}$ | $\underset{0}{\top}$ | $\underset{0}{\overleftarrow{0}}$ | $\underset{\circlearrowleft}{\overleftarrow{0}}$ | ভ | $\underset{\circlearrowleft}{\overleftarrow{0}}$ | ভ | $\underset{\circlearrowleft}{\mathbb{O}}$ | $\underset{\circlearrowleft}{\overleftarrow{\top}}$ | $\underset{\circlearrowleft}{\overleftarrow{0}}$ | $\underset{\mathbf{U}}{\mathbf{\pi}}$ | $\underset{\circlearrowleft}{\circlearrowleft}$ | ৫ | $\underset{\circlearrowleft}{\text { ৫ }}$ | $\underset{~ ভ ~}{\text { ৫ }}$ | $\underset{\circlearrowleft}{\mathbb{O}}$ | $\underset{\circlearrowleft}{\overleftarrow{0}}$ | णे |  | ৫ | ¢ |
|  | $\wedge$ | $\wedge$ | N | $\wedge$ | 入 | 入 | $\stackrel{\sim}{\sim}$ | $\sim$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\cdots$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | 10 | N | － | 入 | 入 | 入 | N | － | N | 入 | 入 | N | N | N | 入 | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $N$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\underset{\sim}{\sim}$ | N |  | $\sim$ | $\sim$ |
|  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | 을 | 을 | 을 | $\bigcirc$ | 을 | 을 | $\bigcirc$ | $\bigcirc$ | 읃 | 응 | $\bigcirc$ | 응 | $\bigcirc$ | 응 | 을 | 응 | 응 | 을 | 응 | 응 | 응 | 을 | 을 | $\bigcirc$ | 응 | $\bigcirc$ | 을 | 을 | 을 | 을 | 을 | 을 | $\bigcirc$ | 응 | 응 | 을 | $\bigcirc$ | 을 | 앙 |  | 응 | 을 |
|  | $\begin{aligned} & \hline \mathrm{O} \\ & \mathrm{O} \\ & \underset{N}{\mathrm{~N}} \end{aligned}$ | $\left.\begin{array}{\|c} \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array} \right\rvert\,$ | $\left.\begin{array}{\|l\|} \hline \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array} \right\rvert\,$ |  | $\left\|\begin{array}{c} \mathrm{O} \\ \mathrm{O} \\ \text { Nin } \\ \underset{\infty}{2} \end{array}\right\|$ | $\left\|\begin{array}{c} \mathrm{O} \\ \mathrm{O} \\ \text { N} \\ \underset{\infty}{ } \end{array}\right\|$ | $\begin{array}{\|c\|} \hline \stackrel{\sim}{N} \\ \underset{\sim}{2} \\ \underset{\sim}{d} \end{array}$ | $\begin{aligned} & \hline \stackrel{N}{N} \\ & \underset{\sim}{7} \\ & \underset{\sim}{N} \end{aligned}$ | $\begin{aligned} & \hline \stackrel{\sim}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{N} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{c} \end{aligned}$ |  | $$ | $\begin{gathered} \underset{\sim}{N} \\ \underset{\sim}{n} \\ \underset{\sim}{\infty} \end{gathered}$ | $\begin{aligned} & \hline \stackrel{\circ}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{N} \\ & \underset{y}{2} \end{aligned}$ | $\left\lvert\, \begin{aligned} & \underset{\sim}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{\infty} \\ & \hline \end{aligned}\right.$ | $\left\|\begin{array}{l} \stackrel{\sim}{N} \\ \tilde{N} \\ \underset{\sim}{n} \\ \underset{\sim}{2} \end{array}\right\|$ | $\left\lvert\, \begin{aligned} & \stackrel{\sim}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{n} \\ & \underset{\sim}{2} \end{aligned}\right.$ | $$ | $\begin{aligned} & \hline \mathrm{O} \\ & 0 \\ & \underset{\sim}{\mathrm{~N}} \end{aligned}$ | $\begin{aligned} & \hline \mathrm{O} \\ & 0 \\ & \underset{\sim}{N} \\ & \hline \end{aligned}$ | O O N N | $\left.\begin{array}{\|c} \hline \mathrm{O} \\ 0 \\ \underset{\sim}{N} \\ \underset{\sim}{2} \end{array} \right\rvert\,$ | $\begin{aligned} & \mathrm{O} \\ & \mathrm{O} \\ & \text { Nin } \\ & \underset{\infty}{ } \end{aligned}$ | O <br> O <br> N <br>  | $\left\|\begin{array}{c} \mathrm{O} \\ \mathrm{O} \\ \underset{\sim}{\mathrm{~N}} \end{array}\right\|$ | $\begin{aligned} & \mathrm{O} \\ & 0 \\ & \underset{\sim}{\mathrm{~N}} \end{aligned}$ | $\left.\begin{array}{\|c\|} \hline \mathrm{O} \\ 0 \\ \underset{\sim}{\mathrm{~N}} \\ \mathrm{~N} \end{array} \right\rvert\,$ | $\begin{aligned} & \mathrm{O} \\ & \mathrm{O} \\ & \underset{\mathrm{~N}}{\mathrm{~N}} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & 0 \\ & \mathrm{~N} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \underset{\sim}{\mathrm{~N}} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & 0 \\ & \text { N} \\ & \underset{\infty}{2} \end{aligned}$ | $\left.\begin{array}{\|c} \hline \mathrm{O} \\ \underset{\sim}{\mathrm{~N}} \\ \mathrm{o} \end{array} \right\rvert\,$ | $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{n} \end{aligned}$ | $\begin{aligned} & \hline \stackrel{N}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{N} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{N} \\ & \underset{\sim}{*} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \text { O} \\ & \underset{N}{7} \\ & \underset{\sim}{N} \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \hline \stackrel{N}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{\infty} \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{2} \end{aligned}$ | $\underset{N}{\sim}$ |  | $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{n} \end{aligned}$ | O N N－ $\sim$ |
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|  | ๓ | ल | m | ल | ल | m | m | ल | ल | m | m | m | ल | m | м | m | m | m | N | N | N | N | $\sim$ | N | $\sim$ | N | N | N | N | N | N | $\sim$ | $\sim$ | N | N | N | $N$ | N | N | N | N | N |  | $\sim$ | $N$ |
|  | $\bigcirc$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\infty$ | $\bigcirc$ | $\infty$ | $\bigcirc$ | $\infty$ | $\bigcirc$ | $\infty$ | 8 | 8 | 8 | 8 | ¢ | 8 | 8 | 8 | ¢ | ¢ | 8 | 8 | 8 | 8 | ¢ | 8 | 8 | 8 | 8 | ¢ | 8 | ¢ | 8 | ） |  | 8 | 8 |
|  | $\left\|\begin{array}{l} \text { or } \\ \hline \\ \infty \\ \infty \\ \hline \end{array}\right\|$ | $\begin{aligned} & O \\ & \underset{N}{N} \end{aligned}$ | $\begin{array}{\|c\|} \hline \\ \hat{N} \\ 1 \\ h^{2} \end{array}$ |  | $\left\|\begin{array}{l} \bar{\circ} \\ \omega_{n} \\ \stackrel{\circ}{\circ} \end{array}\right\|$ | $\left\lvert\, \begin{gathered} 0 \\ \infty \\ \infty \\ \bar{i} \\ \hline \end{gathered}\right.$ | $\left\|\begin{array}{c} \stackrel{O}{N} \\ \underset{U}{0} \end{array}\right\|$ | $\left\|\begin{array}{l} \infty \\ \underset{\infty}{\infty} \\ \dot{n} \end{array}\right\|$ | $\stackrel{\infty}{\stackrel{\infty}{N}} \underset{\underset{N}{N}}{ }$ | $\begin{aligned} & \underset{\underset{F}{F}}{\underset{F}{2}} \end{aligned}$ | $\left\lvert\, \begin{aligned} & \text { o } \\ & \text { O} \\ & \underset{F}{F} \\ & \hline \end{aligned}\right.$ | $\left\|\begin{array}{c} \infty \\ \underset{\sim}{\infty} \\ \underset{\sim}{c} \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ \underset{\sim}{\sim} \\ \underset{N}{2} \end{array}\right\|$ | $\left\|\begin{array}{c} 8 \\ 0 \\ \hat{\infty} \\ \infty \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ \stackrel{c}{c} \\ \infty \\ 0 \\ \underset{\sim}{2} \end{array}\right\|$ | $\left.\begin{gathered} \underset{\sim}{n} \\ \underset{\sigma}{6} \end{gathered} \right\rvert\,$ | $\left\|\begin{array}{c} \underset{\sim}{0} \\ ल \\ \underset{j}{j} \end{array}\right\|$ | $\begin{aligned} & \overline{\hat{N}} \\ & \stackrel{\rightharpoonup}{N} \end{aligned}$ | $\begin{aligned} & \text { ed } \\ & \text { en } \\ & \underset{\sim}{m} \end{aligned}$ | $\begin{gathered} \underset{\sim}{6} \\ \underset{\sim}{\infty} \end{gathered}$ | $\left\|\begin{array}{l} 8 \\ 0 \\ 寸 \\ 寸 \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ i 0 \\ i \end{array}\right\|$ | $\begin{gathered} \bar{m} \\ \bar{\sigma} \end{gathered}$ | $\left\|\begin{array}{l} 1 \\ \infty \\ \infty \\ 1 \\ N \end{array}\right\|$ | $\begin{array}{\|c\|} \hline \infty \\ \underset{\sim}{c} \\ \stackrel{-}{N} \end{array}$ | $\begin{gathered} \stackrel{y}{0} \\ \underset{\sim}{v} \end{gathered}$ | $\left\|\begin{array}{c} 0 \\ m \\ \infty \\ \dot{\sigma} \end{array}\right\|$ | $\begin{gathered} \underset{\sim}{2} \\ \underset{\sim}{6} \\ \underset{\sim}{2} \end{gathered}$ | $\begin{gathered} 8 \\ 0 \\ 0 \\ 0 \end{gathered}$ |  | $\begin{gathered} n \\ \underset{\sim}{\sim} \\ \underset{\sim}{2} \end{gathered}$ | $\begin{aligned} & \overline{1} \\ & \infty \\ & \omega_{0}^{2} \end{aligned}$ | $\begin{aligned} & \text { Oi} \\ & \text { O} \\ & \text { N} \end{aligned}$ |  | $\left\|\begin{array}{c} \tilde{y} \\ \underset{\sim}{\mathcal{j}} \end{array}\right\|$ | $$ | $\begin{gathered} \underset{\sim}{2} \\ \underset{\sim}{\infty} \\ \end{gathered}$ | $\begin{aligned} & \hat{e} \\ & \stackrel{y}{n} \\ & \underset{N}{2} \end{aligned}$ | $\begin{array}{\|c\|} \hline \infty \\ \stackrel{\infty}{N} \\ \stackrel{n}{n} \end{array}$ | $\begin{aligned} & \hline \stackrel{\circ}{0} \\ & \stackrel{\rightharpoonup}{m} \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & m \end{aligned}$ | en |  | $\begin{aligned} & \infty \\ & 0 \\ & \hat{0} \\ & \hat{6} \end{aligned}$ |  |
|  | $\frac{\underset{N}{N}}{}$ | $\stackrel{N}{N}$ | $\stackrel{\mathrm{N}}{\mathrm{~N}}$ | $\underset{N}{N}$ | $\mid \stackrel{0}{N}$ | $\mid \stackrel{N}{N}$ | $$ | $\mid \stackrel{\underset{N}{N}}{ }$ | $\left\lvert\,\right.$ | $\stackrel{\sim}{N}$ | $\|\underset{\sim}{\underset{N}{N}}\|$ | $\left\|\begin{array}{c} \stackrel{\sim}{N} \\ \underset{N}{N} \end{array}\right\|$ | $$ | $\stackrel{N}{\mathrm{~N}}$ | $\left\lvert\, \begin{gathered} \infty \\ \underset{N}{N} \\ \hline \end{gathered}\right.$ | N | $\begin{array}{\|c} \hline \stackrel{e}{N} \\ \underset{N}{2} \end{array}$ | $\stackrel{\underset{\sim}{\underset{N}{N}}}{ }$ | $\begin{aligned} & \hline \mathrm{O} \\ & \text { N} \end{aligned}$ | $\begin{array}{\|c\|} \hline \\ \underset{N}{2} \end{array}$ | $\begin{array}{\|c\|} \hline \stackrel{N}{\mathrm{~N}} \\ \text { \| } \end{array}$ | $\left.\begin{array}{\|c\|} \hline \stackrel{e}{N} \\ \text { N} \end{array} \right\rvert\,$ | $$ | $\begin{array}{\|l\|} \hline \stackrel{\rightharpoonup}{0} \\ \underset{N}{N} \end{array}$ | $\left.\begin{array}{\|l\|} \hline \hline \\ \hline \end{array} \right\rvert\,$ | $\begin{aligned} & \hat{N} \\ & \text { N} \end{aligned}$ | $\left.\begin{array}{\|l\|} \hline \infty \\ 0 \\ \text { N} \end{array} \right\rvert\,$ | $\begin{aligned} & \hline \stackrel{\rightharpoonup}{0} \\ & \text { Ǹ } \end{aligned}$ | $\stackrel{0}{\stackrel{N}{N}}$ | $\stackrel{\Gamma}{\stackrel{\rightharpoonup}{N}}$ | $\stackrel{N}{N}$ | $\frac{m}{N}$ | $\begin{aligned} & \text { N్N } \\ & \text { Nे } \end{aligned}$ | $\stackrel{\bar{N}}{\mathrm{~N}} \mid$ | $\begin{array}{\|c} \underset{N}{N} \\ \underset{N}{2} \end{array}$ | $\stackrel{\underset{N}{N}}{ }$ | $\begin{gathered} \underset{\sim}{N} \end{gathered}$ | $\begin{aligned} & \stackrel{\sim}{2} \\ & \underset{N}{N} \end{aligned}$ | $$ | $\begin{aligned} & \mathrm{N} \\ & \underset{N}{N} \end{aligned}$ | $\begin{aligned} & \stackrel{\sim}{N} \\ & \underset{N}{2} \end{aligned}$ | $\underset{N}{N}$ |  | $\stackrel{\Gamma}{N}$ | N |
|  |  |  |  |  |  |  |  |  |  | 1GAZGYFA7C1144735 | 1GAZGYFA3C1146028 |  |  |  |  |  |  | 1GAZG1FG4C1147166 |  <br>  <br>  <br>  <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 |  |  |  |  |  |  |  | 0 <br>  <br>  <br>  <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 |  | $\boxed{0}$ <br>  <br>  <br>  |  |  |  |  | 1FBNE3BL3DDA71731 |  |  |  |  |  |  |  | 0 2 2 2 2 2 2 2 2 | 0 |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $c$ <br> $\stackrel{N}{0}$ <br> $\stackrel{0}{0}$ <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br>  |  |  |  | $c$ <br> $\stackrel{N}{0}$ <br> $\stackrel{0}{0}$ <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br>  |  |  |  |  |  |  | 2013 Ford Econoline |  |  |  |  |  | － |  | 2013 Ford Econoline |
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|  | 을 | 읃 | 을 | $\bigcirc$ | 을 | 을 | 읃 | 을 | 을 | $\bigcirc$ | $\bigcirc$ | 을 | $\bigcirc$ | 을 | 읃 | 을 | 을 | $\bigcirc$ | 을 | 응 | 을 | 을 | 으응 | 을 | $\bigcirc$ | $\left\|\begin{array}{l} \infty \\ \stackrel{0}{\lambda} \end{array}\right\|$ | $\stackrel{\oplus}{\infty}$ | $\bigcirc$ | $\stackrel{\infty}{\infty} \mid$ | $\begin{aligned} & \infty \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \mathscr{0} \\ & \underset{\sim}{2} \end{aligned}$ | $\stackrel{\infty}{\infty}$ | $\left.\begin{array}{\|l\|} \infty \\ \infty \\ \mathbf{\lambda} \end{array} \right\rvert\,$ | $\left\|\begin{array}{l} \infty \\ \underset{\sim}{\infty} \end{array}\right\|$ | $\begin{aligned} & 0 \\ & \underset{\sim}{2} \end{aligned}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\oplus}{\infty}$ | $\left\|\begin{array}{l} \infty \\ \underset{\sim}{\infty} \end{array}\right\|$ | 을 | 을 | 읃 | 을 | 을 | 응 |
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| $\stackrel{\text { ¢ }}{\text { ¢ }}$ | ¢ | ¢ | ৫ | $\|\underset{ভ}{\top}\|$ | ৫ | $\|\underset{\circlearrowleft}{ }\|$ | $\mid \underset{\circlearrowleft}{\mathbf{U}}$ | ৫ | $\underset{\circlearrowleft}{\Psi} \mid$ | $\left\|\begin{array}{\|c\|} \mathbb{0} \end{array}\right\|$ | $\mid \underset{\circlearrowleft}{\mathbf{\top}}$ | ৫ | $\|\underset{0}{4}\|$ | $\|\underset{\circlearrowleft}{\boxed{\top}}\|$ | $\mid \underset{\circlearrowleft}{\mathbf{U}}$ | $\|\underset{\circlearrowleft}{\boxed{U}}\|$ | $\|\underset{\circlearrowleft}{\boxed{\top}}\|$ | $\mid \underset{ভ}{\mathbf{U}}$ | $\mid \underset{\mathbf{U}}{\mathbf{4}}$ | $\mid \underset{\circlearrowleft}{\top}$ | $\underset{\circlearrowleft}{\overleftarrow{0}}$ | $\mid \underset{ভ}{\varangle}$ | $\left\|\begin{array}{\|c} \mathbb{1} \end{array}\right\|$ | $\|\underset{\circlearrowleft}{\widetilde{0}}\|$ | $\|\underset{0}{\mathbf{N}}\|$ | $\|\underset{\circlearrowleft}{\boxed{O}}\|$ | $\|\underset{\circlearrowleft}{\widetilde{0}}\|$ | ৫ | $\mathbb{ভ}$ | $\|\underset{0}{4}\|$ | ভ | $\mid \underset{\circlearrowleft}{\boxed{\top}}$ | $\underset{\circlearrowleft}{\Psi}$ | $\mathbb{ভ}$ | $\stackrel{\varangle}{\mathbf{0}}$ | ভ | $\mathbb{\top}$ | $\mathbb{\circlearrowleft}$ | ৫ | $\|\underset{0}{4}\|$ | © | © | $\|\underset{0}{\mathbf{0}}\|$ | $\mid \underset{\circlearrowleft}{\boxed{\top}}$ | ¢ |
|  | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{*}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{ }{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\sim$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\sim$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\sim$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{10}{\sim}$ | $\stackrel{\sim}{\square}$ | $\stackrel{10}{\sim}$ | N | N | N | 入 | N | 入 | 入 | N | N | N | 入 | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\sim}$ |
|  | $\bigcirc$ | $\bigcirc$ | 을 | 읃 | 을 | $\bigcirc$ | $\bigcirc$ | 읃 | $\bigcirc$ | $\bigcirc$ | 읃 | 을 | $\bigcirc$ | 읃 | $\bigcirc$ | 응 | 읃 | 응 | 읃 | 응 | 을 | 응 | 을 | 응 | 을 | $\bigcirc$ | 을 | 을 | 을 | 을 | 을 | 읃 | 을 | $\bigcirc$ | 을 | 을 | 응 | 응 | 을 | 읃 | $\bigcirc$ | 읃 | 을 | 을 | 응 |
|  | $\begin{aligned} & \hline \stackrel{O}{N} \\ & ल \\ & \underset{\sim}{n} \\ & \underset{\sim}{n} \end{aligned}$ | $\begin{aligned} & \underset{\sim}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{N} \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \underset{\sim}{2} \\ & \underset{\sim}{2} \\ & \underset{y}{\mid} \end{aligned}$ | $\left\|\begin{array}{c} \underset{\sim}{N} \\ \underset{\sim}{2} \\ \underset{\sim}{N} \end{array}\right\|$ | $\begin{array}{\|c\|} \hline \stackrel{N}{N} \\ \underset{\sim}{n} \\ \underset{\sim}{n} \end{array}$ | $\left\lvert\, \begin{gathered} \underset{\sim}{2} \\ \tilde{m} \\ \underset{\sim}{N} \\ \underset{\sim}{2} \end{gathered}\right.$ | $\left\lvert\,\right.$ | $\begin{aligned} & \hline \underset{\sim}{N} \\ & \underset{\sim}{2} \\ & \underset{\sim}{N} \end{aligned}$ | $\left\lvert\, \begin{aligned} & \hline \underset{N}{N} \\ & \underset{\sim}{n} \\ & \underset{\sim}{n} \end{aligned}\right.$ | $\left\lvert\, \begin{gathered} \underset{\sim}{N} \\ \underset{\sim}{2} \\ \underset{\sim}{N} \end{gathered}\right.$ | $\left\lvert\,\right.$ | $\begin{aligned} & \hline \stackrel{N}{N} \\ & \underset{\sim}{7} \\ & \underset{\sim}{n} \end{aligned}$ |  | $\left\lvert\, \begin{aligned} & \stackrel{\sim}{N} \\ & \tilde{N} \\ & \underset{\sim}{n} \\ & \underset{\sim}{2} \end{aligned}\right.$ | $\left\lvert\, \begin{gathered} 0 \\ \underset{\sim}{n} \\ \underset{\sim}{N} \\ \underset{\infty}{ } \end{gathered}\right.$ | $\begin{array}{l\|} \hline \stackrel{\sim}{N} \\ \underset{\sim}{n} \\ \underset{\sim}{n} \end{array}$ | $\left.\begin{array}{\|c\|} \hline \stackrel{\sim}{N} \\ \underset{\sim}{n} \\ \underset{\sim}{2} \end{array} \right\rvert\,$ | $\begin{aligned} & \mathrm{O} \\ & \mathrm{~m} \\ & \underset{\sim}{2} \\ & \underset{\infty}{2} \end{aligned}$ | $\left\lvert\, \begin{gathered} 0 \\ \underset{\sim}{n} \\ \underset{\sim}{N} \\ \underset{\infty}{ } \end{gathered}\right.$ | $\begin{aligned} & \hline \stackrel{\sim}{N} \\ & \underset{\sim}{n} \\ & \underset{\sim}{n} \end{aligned}$ | $\left\lvert\, \begin{aligned} & \stackrel{\sim}{N} \\ & \tilde{N} \\ & \underset{\sim}{n} \\ & \underset{\sim}{2} \end{aligned}\right.$ | $\left\lvert\, \begin{aligned} & \stackrel{\sim}{N} \\ & \tilde{N} \\ & \underset{\sim}{n} \\ & \underset{\sim}{2} \end{aligned}\right.$ |  | $\begin{aligned} & \hline \stackrel{N}{N} \\ & \underset{\sim}{7} \\ & \underset{\sim}{c} \end{aligned}$ |  |  | $\begin{aligned} & \hline 0 \\ & \stackrel{0}{\sigma} \\ & \hat{0} \\ & \omega \end{aligned}$ |  | $\begin{aligned} & \hline \mathrm{O} \\ & 0 \\ & \underset{N}{N} \end{aligned}$ | $\left.\begin{array}{\|c\|} \hline \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array} \right\rvert\,$ | $\begin{aligned} & \mathrm{O} \\ & \mathrm{O} \\ & \mathrm{~N} \\ & \mathrm{~N} \end{aligned}$ | $\left\|\begin{array}{c} \mathrm{O} \\ 0 \\ \mathrm{~N} \\ \mathrm{~N} \end{array}\right\|$ | $\left.\begin{array}{\|c\|} \hline \mathrm{O} \\ \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array} \right\rvert\,$ | $$ | $\begin{aligned} & \mathrm{O} \\ & \mathrm{O} \\ & \mathrm{~N} \\ & \mathrm{~N} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & 0 \\ & \mathrm{~N} \\ & \mathrm{~N} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & 0 \\ & \underset{\sim}{\mathrm{~N}} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \underset{\sim}{\mathrm{~N}} \\ & \underset{\sim}{2} \end{aligned}$ | $\left.\begin{gathered} \mathrm{O} \\ \mathrm{O} \\ \underset{N}{\mathrm{~N}} \\ \mathrm{o} \end{gathered} \right\rvert\,$ | $\begin{aligned} & \mathrm{o} \\ & \underset{\sim}{n} \\ & \underset{\sim}{N} \\ & \underset{\infty}{ } \end{aligned}$ | $\left\|\begin{array}{c} \stackrel{\sim}{N} \\ \underset{\sim}{2} \\ \underset{\sim}{c} \end{array}\right\|$ | $\left\lvert\, \begin{aligned} & \stackrel{\sim}{N} \\ & \tilde{N} \\ & \underset{\sim}{n} \\ & \underset{\sim}{2} \end{aligned}\right.$ | $\left\lvert\, \begin{array}{l\|} \hline \underset{N}{N} \\ \underset{\sim}{n} \\ \underset{\sim}{n} \end{array}\right.$ |  | O N $\sim$ $N$ 0 |
|  | 10 | is | 15 | $\infty$ | is | 10 | 10 | $\infty$ | $1 \sim$ | is | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | $\llcorner$ | 1 | 10 | 10 | 10 | 15 | 10 | 10 | 10 | $\bigcirc$ | $\bullet$ | $\bullet$ | $\bigcirc$ | $\bullet$ | $\bigcirc$ | $\bullet$ | $\bigcirc$ | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ | $\bigcirc$ | $\bullet$ | $\bigcirc$ | $\bullet$ | $\bullet$ |
|  | $\sim$ | $\sim$ | $\sim$ | $\sim$ | N | $\sim$ | $\sim$ | $\sim$ | $\sim$ | N | $\sim$ | $\sim$ | $\sim$ | $\sim$ | N | $\sim$ | N | N | $\sim$ | N | N | N | $\sim$ | N | N | N | N | N | $\checkmark$ | － | $\checkmark$ | $\checkmark$ | － | $\checkmark$ | $\checkmark$ | － | $\checkmark$ | $\checkmark$ | － | $\checkmark$ | － | － | $\checkmark$ | － | － |
|  | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | ¢ | 8 | 8 | 8 | 8 | ¢ | 8 | 8 | ¢ | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | ¢ | ¢ | ¢ | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
|  | $\left\|\begin{array}{l} 8 \\ 0 \\ 0 \\ 0 \\ 寸 \end{array}\right\|$ | $\left\lvert\, \begin{gathered} 9 \\ \dot{G} \\ \dot{\sigma} \end{gathered}\right.$ | $\begin{gathered} \stackrel{\sim}{n} \\ \underset{寸}{-} \end{gathered}$ | $\left\|\begin{array}{l} \text { g } \\ \text { - } \\ \underset{\text { ju}}{ } \end{array}\right\|$ | $\left\|\begin{array}{l} \hat{N} \\ 0 \\ 0 \\ 0 \\ 1 \end{array}\right\|$ | $\left\|\begin{array}{l} \mathrm{N} \\ \mathrm{M} \\ 0 \\ 0 \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}\right\|$ | $\left\|\begin{array}{c} 8 \\ \underset{N}{n} \\ i \end{array}\right\|$ | $\left\lvert\, \begin{aligned} & \infty \\ & \infty \\ & 0 \\ & \underset{\sim}{j} \\ & \hline \end{aligned}\right.$ | $\left\|\begin{array}{l} \mathrm{N} \\ \mathrm{~N} \\ \mathcal{G} \end{array}\right\|$ | $\left\|\begin{array}{c} \infty \\ \underset{\sim}{m} \\ \underset{m}{j} \end{array}\right\|$ | $\left.\begin{aligned} & \infty \\ & \underset{\infty}{\infty} \\ & \infty \\ & \hline \end{aligned} \right\rvert\,$ | $\left\|\begin{array}{c} 10 \\ 0 \\ \vdots \\ \end{array}\right\|$ | $\left\|\begin{array}{l} \tilde{n} \\ \underset{N}{0} \\ 0 \end{array}\right\|$ | $\stackrel{\hat{6}}{2}$ | $\left\|\begin{array}{l} 8 \\ 0 \\ 0 \\ \gamma^{2} \end{array}\right\|$ | $\left\|\begin{array}{c} \infty \\ \underset{\sim}{n} \\ 0 \\ \sim \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ \stackrel{N}{N} \\ \vdots \\ \hline \end{array}\right\|$ | $\left\|\begin{array}{c} \underset{\sim}{N} \\ \underset{N}{N} \end{array}\right\|$ | $\left.\begin{aligned} & 0 \\ & \infty \\ & N \\ & N \end{aligned} \right\rvert\,$ | $\left\|\begin{array}{l} n \\ 0 \\ 0 \\ \underset{\sim}{2} \end{array}\right\|$ | $\left\|\begin{array}{l} \underset{~}{O} \\ o \\ \underset{~ j}{n} \end{array}\right\|$ | $\left\|\begin{array}{c} \underset{U}{\mathrm{O}} \\ \underset{\sim}{\mathrm{~N}} \end{array}\right\|$ | $\left\|\begin{array}{c} N \\ 0 \\ 0 \\ \infty \\ \infty \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ \stackrel{0}{\Gamma} \\ \infty \end{array}\right\|$ | $\left\|\begin{array}{c} 10 \\ \underset{\sim}{\circ} \\ \dot{q} \end{array}\right\|$ | $\left\|\begin{array}{l} \infty \\ \omega \\ 0 \\ N \\ i \end{array}\right\|$ | $\left\|\begin{array}{l} \infty \\ \infty \\ \infty \\ 0 \\ i \end{array}\right\|$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \underset{\sim}{1} \end{aligned}$ | $\begin{aligned} & \hline 9 \\ & \hat{N} \\ & \underset{N}{2} \end{aligned}$ | $\begin{aligned} & \frac{m}{\underset{f}{f}} \\ & \underset{r}{2} \end{aligned}$ | $\left.\begin{array}{\|l\|} \hline \stackrel{9}{2} \\ \stackrel{\sim}{\sim} \end{array} \right\rvert\,$ | $\begin{array}{\|c} L_{0} \\ \underset{\sim}{N} \\ \hline \end{array}$ |  | $\begin{array}{\|c\|} \hline \underset{m}{m} \\ \underset{\sim}{2} \end{array}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0_{c} \end{aligned}$ | $\begin{aligned} & 0 \\ & \infty \\ & \underset{\sim}{\sim} \end{aligned}$ | $$ | $\begin{array}{\|c\|} \hline 0 \\ \hline 8 \\ \mathrm{o} \\ \mathrm{~N} \end{array}$ | $\left\|\begin{array}{c} n \\ 0 \\ \underset{N}{N} \end{array}\right\|$ | $\left\|\begin{array}{c} \mathrm{N} \\ \mathrm{~N} \\ \mathrm{~N} \end{array}\right\|$ | $\left\|\begin{array}{l} 10 \\ 0 \\ \underset{N}{2} \end{array}\right\|$ | $\left\|\begin{array}{c} \underset{\sim}{\sim} \\ \underset{\sim}{0} \end{array}\right\|$ | $\left\|\begin{array}{c} \mathbf{d}^{0} \\ 0 \\ \underset{N}{5} \end{array}\right\|$ | N |
|  | $\begin{array}{\|l\|} \hline \stackrel{m}{2} \\ \underset{N}{2} \end{array}$ | $\begin{aligned} & \underset{\sim}{\mathrm{N}} \\ & \underset{N}{2} \end{aligned}$ | $\begin{aligned} & \stackrel{\sim}{ल} \\ & \underset{N}{2} \end{aligned}$ | $\begin{aligned} & \hline \mathbf{N} \\ & \underset{N}{2} \end{aligned}$ | $$ | $\begin{array}{\|l\|} \hline \underset{\sim}{2} \\ \underset{N}{2} \end{array}$ | $\left.\begin{array}{\|l\|} \hline \mathbf{p} \\ \underset{N}{N} \end{array} \right\rvert\,$ | $\begin{aligned} & \mathrm{O} \\ & \underset{N}{N} \end{aligned}$ | $\left\|\begin{array}{c} \underset{\sim}{N} \\ \hline \end{array}\right\|$ | $\begin{array}{\|c\|} \underset{\sim}{N} \\ \underset{N}{2} \end{array}$ | $\begin{array}{\|c\|} \hline \stackrel{m}{\underset{N}{N}} \end{array}$ | $\begin{array}{\|c\|} \hline \underset{\sim}{2} \\ \underset{N}{2} \end{array}$ | $\left. \right\rvert\,$ | $\left\lvert\, \begin{aligned} & \substack{4 \\ \underset{N}{2} \\ \hline} \end{aligned}\right.$ | $\begin{array}{\|c\|} \hline \stackrel{y}{\mathbf{N}} \\ \hline \end{array}$ | $\left.\begin{array}{\|c\|} \hline \infty \\ \underset{\sim}{4} \end{array} \right\rvert\,$ | $\begin{aligned} & \hline \underset{\sim}{2} \\ & \underset{N}{2} \end{aligned}$ | $\left\|\begin{array}{l} \circ \\ \stackrel{1}{N} \\ \underset{N}{2} \end{array}\right\|$ | $\left.\begin{array}{\|c} \bar{i} \\ \stackrel{N}{N} \end{array} \right\rvert\,$ | $\left\|\begin{array}{c} \mathrm{N} \\ \underset{N}{N} \end{array}\right\|$ | $\left.\begin{array}{\|c} \stackrel{\sim}{1} \\ \stackrel{\sim}{N} \end{array} \right\rvert\,$ | $\left\|\begin{array}{c} \stackrel{4}{N} \\ \underset{N}{2} \end{array}\right\|$ | $\begin{array}{\|l} \hline 0 \\ \\ \mathrm{~N} \\ \mathrm{~N} \end{array}$ | $\left.\begin{array}{\|l\|} \hline 0 \\ \\ \mathrm{~N} \end{array} \right\rvert\,$ | $\begin{array}{\|l\|} \hline \stackrel{N}{n} \\ \underset{N}{2} \end{array}$ | $\left\|\begin{array}{l} \hline \mathrm{e} \\ \underset{N}{\mathrm{~N}} \end{array}\right\|$ | $\left.\begin{array}{\|c\|} \hline \bar{e} \\ \underset{N}{2} \end{array} \right\rvert\,$ | $\begin{array}{\|l\|} \hline \mathrm{N} \\ \mathrm{~N} \end{array}$ | $\begin{aligned} & \mathrm{O} \\ & \text { N } \end{aligned}$ | $\begin{array}{\|c} \overline{-} \\ \text { N } \end{array}$ | $\begin{array}{\|c\|} \hline \mathrm{O} \\ \underset{\sim}{c} \end{array}$ | $\begin{array}{\|c} \substack{o \\ \underset{\sim}{2} \\ \hline} \end{array}$ | $\begin{array}{\|c} \underset{\sim}{\prime} \\ \underset{\sim}{c} \end{array}$ | $\begin{aligned} & \hline \stackrel{0}{0} \\ & \underset{\sim}{n} \end{aligned}$ | $\begin{array}{\|l\|} \hline 0 \\ \stackrel{y}{N} \end{array}$ | $\begin{aligned} & \hline \stackrel{\rightharpoonup}{\circ} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \hline \mathrm{O} \\ & \underset{\sim}{4} \end{aligned}$ | $\begin{aligned} & \text { oi } \\ & \stackrel{+}{\mathrm{N}} \end{aligned}$ | $\frac{\mathrm{O}}{\underset{\sim}{2}}$ | $\begin{array}{\|c} \underset{\sim}{\mathrm{N}} \\ \underset{\sim}{2} \end{array}$ | $\left\lvert\, \begin{gathered} \underset{\sim}{N} \\ \underset{\sim}{2} \end{gathered}\right.$ | $\left\|\begin{array}{l} \underset{N}{\mathrm{~N}} \end{array}\right\|$ | $\begin{array}{\|c} \underset{\sim}{N} \\ \underset{\sim}{2} \end{array}$ | $\begin{gathered} \underset{\sim}{\underset{\sim}{N}} \end{gathered}$ | $\stackrel{\sim}{\sim}$ |
|  |  |  |  |  |  |  |  | 1FBNE3BL8DDA87651 |  |  | 1FBNE3BL2DDA87645 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | o <br> N <br> O <br>  |  |  |  |  |  |  |
| $$ | $\stackrel{\sim}{\square}$ | $\stackrel{\square}{\square}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\square}$ | $\cdots$ | $\stackrel{\sim}{\square}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\sim}{\square}$ | $\div$ | $\div$ | $\stackrel{\square}{-}$ | $\stackrel{\square}{-}$ | $\stackrel{\square}{\square}$ | $\stackrel{\sim}{\square}$ | $\cdots$ | $\stackrel{\square}{\square}$ | $\stackrel{-}{-}$ | $\stackrel{\square}{\sim}$ | $\cdots$ | $\stackrel{\square}{\square}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\square}{-}$ | $\stackrel{\square}{\square}$ | $\stackrel{\square}{-}$ | $\stackrel{\square}{\sim}$ | $\stackrel{\square}{-}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\square}{\square}$ | $\stackrel{\square}{\square}$ | $\stackrel{\square}{\square}$ | $\stackrel{\sim}{-}$ | $\stackrel{\square}{-}$ | $\stackrel{\sim}{\square}$ | $\stackrel{\square}{\square}$ | $\stackrel{\square}{\square}$ | $\stackrel{-}{\square}$ | $\stackrel{\square}{\sim}$ | $\stackrel{\square}{-}$ | $\cdots$ | $\cdots$ | $\stackrel{\sim}{\square}$ | $\stackrel{\sim}{-}$ | $\stackrel{\sim}{\square}$ |
|  | 2013 Ford Econoline | 2013 Ford Econoline |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $c$ <br> $\stackrel{0}{0}$ <br> $\stackrel{0}{0}$ <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br>  <br>  |  |  |  |  |  |  |
|  | $\begin{array}{\|l\|} \hline \hline \\ \hline \mathbf{M} \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hat{N} \\ \hline \end{array}$ | $\begin{aligned} & \infty \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l} \hline \text { oे } \\ \hline \end{array}$ | $\frac{0}{2}$ | $\stackrel{\Gamma}{\bar{m}}$ | $\stackrel{N}{\mathrm{~m}}$ | $\frac{m}{m}$ | $\stackrel{\rightharpoonup}{\mathrm{m}}$ | $\frac{\omega}{m}$ | $\frac{\varphi}{m}$ | $\frac{N}{n}$ | $\frac{\infty}{m}$ | $\begin{array}{\|c} \hline \frac{9}{m} \\ \hline \end{array}$ | $\begin{array}{\|c} \stackrel{\rightharpoonup}{\mathrm{N}} \\ \mathrm{~m} \end{array}$ | $\begin{array}{\|c} \underset{\sim}{N} \\ \hline \end{array}$ | $\begin{array}{\|c} \underset{N}{N} \\ \underset{\sim}{2} \end{array}$ | $\begin{gathered} \underset{\sim}{2} \\ \hline \end{gathered}$ | $\begin{gathered} \underset{\sim}{\underset{N}{2}} \end{gathered}$ | $\begin{array}{\|c} \stackrel{2}{2} \\ \underset{\sim}{2} \end{array}$ | $\begin{array}{\|c} \stackrel{0}{2} \\ \mathrm{~m} \end{array}$ | $\begin{gathered} \mathrm{N} \\ \mathrm{~m} \end{gathered}$ | $\begin{array}{\|c} \infty \\ \underset{\sim}{2} \end{array}$ | $\begin{array}{\|c} \stackrel{\rightharpoonup}{\mathrm{N}} \\ \mathrm{~m} \end{array}$ | $\begin{aligned} & \text { Pen } \\ & \hline \end{aligned}$ | $\begin{array}{\|c} \bar{m} \\ \hline \end{array}$ | $\begin{array}{\|c} \stackrel{N}{2} \\ \end{array}$ | $\begin{aligned} & \underset{m}{m} \\ & \hline \end{aligned}$ | $\stackrel{\underset{\sim}{\mathrm{m}}}{ }$ | $\begin{aligned} & \text { n } \\ & \hline \end{aligned}$ | $\begin{aligned} & \underset{\sim}{e} \\ & \end{aligned}$ | $\begin{array}{\|c} \mathbf{N} \\ \mathrm{m} \\ \hline \end{array}$ | $\begin{aligned} & \infty \\ & \underset{m}{m} \\ & \hline \end{aligned}$ | $\begin{aligned} & \underset{\sim}{\mathrm{M}} \\ & \hline \end{aligned}$ | $\begin{array}{\|c} \stackrel{\rightharpoonup}{\mathrm{O}} \\ \hline \end{array}$ | $\underset{\sim}{\underset{\sim}{f}}$ | $\stackrel{\underset{\sim}{c}}{ }$ | $\stackrel{\sim}{m}$ | $\begin{aligned} & \underset{~}{寸} \\ & \mathrm{~m} \end{aligned}$ | L | $\begin{array}{\|c} \hline \\ \hline \\ \hline \end{array}$ | $\begin{aligned} & \underset{\sim}{\mathrm{m}} \\ & \hline \end{aligned}$ | $\begin{array}{\|c\|} \hline \infty \\ \hline \end{array}$ | $\begin{array}{\|c} \substack{9 \\ \text { en } \\ \hline} \end{array}$ | ¢ |



Public Transportation Management System
Owned Equipment Inventory

|  | Equipment Code and Description | Condition (points) | Age (years) | Remaining Useful Life (years) | Replacement Cost (\$) | Comments <br> (If more than two lines, please attach a separate comment page) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1. | Telephone System | 67 | 7 | 3 | \$200,000 | Software patches and parts replacements as needed |
| 3. | CAD/AVL | 85 | 7 | 3 | \$6,000,000 | Regular software patches |
| 4. | Paratransit Dispatch Software | 85 | 7 | 3 | \$450,000 |  |
| 5. | Mobile Digital Survellience System | 91 | 4 | 5 | \$850,000 | Camera installation should be included in new bus replacements |
| 6. | Fuel Management System | 100 | 0 | 10 | \$300,000 | Installation by late 2012 |
| 7. | Bus Wash Systems | 87 | 3 | 12 | \$400,000 |  |
| 8. | Fixed Route Runcutting \& Scheduling Software | 70 | 8 | 2 | \$100,000 | Frequent software patches as needed to integrate with AVL system |
| 9. | Inventory \& Accounting Software | 92 | 7 | 3 | \$750,000 | last major upgrade 7 years ago. freq minor upgrades |
| 10. | Digital Voice Recording System | 40 | 7 | 3 | \$100,000 | Feature of on-bus announcement system with CAD/AVL system |

Public Transportation Management System Owned Facility Inventory
Agency/Organization: Intercity Transit
Date: January 13, 2016

|  | ty | Facility Name | Condition (points) | Age (years) | Remaining Useful Life (years) | Replacement Cost (\$) | Comments <br> (If more than two lines, please attach a separate comment page) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1. | 23 | Administration Building | 55 | 30 | 19 | \$3,500,000 |  |
| 2. | 11 | Maintenance Building | 52 | 30 | 19 | \$10,500,000 |  |
| 3. | 6 | Olympia Transit Center | 66 | 21 | 28 | \$7,000,000 |  |
| 4. | 6 | Lacey Transit Center | 72 | 19 | 30 | \$1,500,000 |  |
| 5. | 24 | Amtrak Depot | 70 | 22 | 16 | \$2,000,000 |  |
| 6. | 9 | Martin Way Park and Ride | 88 | 31 | 34 | \$1,000,000 | Owned by WSDOT. Lot/capacity redesigned \& doubled in 2009 |
| 7. | 9 | Hawks Prairie Park and Ride | 97 | 2 | 38 | \$1,500,000 | Property leased from Thurston Co. |

## Appendix D

## Operating Data

## 2015 Summary of Fixed Route Services

|  | Headways |  |  |  |  | Revenue Service Hours |  |  | Revenue Service Miles |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Weekday |  |  | Sat | Sun | Wkdy | Sat | Sun | Wkdy | Sat | Sun |
| Route | Peak | Mid | Night |  |  |  |  |  |  |  |  |
| 12-W. Tumwater | 30 | 60 | 60 | 60 | 60 | 6532 | 726 | 653 | 90,931 | 9,991 | 9,186 |
| 13-E. Tumwater | 15 | 15 | 60 | 60 | 60 | 13,419 | 638 | 633 | 150,477 | 7,604 | 7,386 |
| 21-N. Bethel | 30 | 60 |  | 60 | 60 | 2,603 | 298 | 321 | 33,331 | 3,794 | 4,115 |
| 41-TESC | 15 | 30 | 30 | 30 | 30 | 10,257 | 1,550 | 1,281 | 130,838 | 19,630 | 16,333 |
| 42-Family Court | 30 | 30 |  |  |  | 1,632 |  |  | 17,424 |  |  |
| 43-SPSCC/Tumwater | 30 | 30 |  | 60 |  | 6,874 | 533 |  | 86,528 | 6,956 |  |
| 44-SPSCC/Cap. Mall | 30 | 30 | 30 | 30 | 60 | 8,166 | 1,369 | 655 | 102,426 | 17,213 | 8,2573 |
| 45-Conger/Cap. Mall | 30 | 60 |  | 60 |  | 3,797 | 584 |  | 38,118 | 5,161 |  |
| 47-Capital Mall/CMC | 30 | 30 |  | 60 | 60 | 6,959 | 591 | 637 | 62,373 | 5,411 | 6,371 |
| 48-Capital Mall/TESC | 30 | 30 | 30 | 30 |  | 7,851 | 1,369 |  | 105,549 | 18,314 |  |
| 49-Capital Mall |  |  |  |  | 30 |  |  | 623 |  |  | 6,474 |
| 60-Lilly/Panorama | 30 | 60 |  | 60 | 60 | 7,211 | 871 | 903 | 73,062 | 9,083 | 9,461 |
| 62A-Martin/Meridian | 30 | 30 | 60 | 30 | 60 | 11,085 | 1,598 | 993 | 135,117 | 19,778 | 13,593 |
| 62B-Martin/Meadows | 30 | 30 | 60 | 30 | 60 | 11,968 | 1,831 | 985 | 151,603 | 23,511 | 13,883 |
| 64-College/ Amtrak | 30 | 60 |  | 60 | 60 | 10,752 | 1,264 | 1,257 | 122,394 | 14,341 | 14,286 |
| 66-Ruddell | 30 | 30 | 60 | 30 | 30 | 12,032 | 2,041 | 1,957 | 152,858 | 26,122 | 24,819 |
| 67-Tri-Lakes | 60 | 60 |  | 60 |  | 3,435 | 548 |  | 52,224 | 8,471 |  |
| 68-Carpenter/Yelm Hwy | 30 | 60 |  | 60 | 60 | 10,176 | 1,211 | 1,306 | 160,102 | 18,666 | 20,172 |
| 94-Yelm | $\begin{array}{r} 30 / \\ 60 \\ \hline \end{array}$ | $\begin{array}{r} \hline 30 / \\ 60 \end{array}$ |  | $\begin{gathered} \hline 60 / \\ 75 \end{gathered}$ | 135 | 11,354 | 1,226 | 708 | 211,584 | 25,179 | 14,679 |
| 101-Dash | $\begin{gathered} \hline 12 / \\ 15 \end{gathered}$ | $\begin{gathered} \hline 12 / \\ 15 \end{gathered}$ |  | 10 |  | 6,212 | 348 |  | 51,015 | 2,534 |  |
| 411-Nightline |  |  | 60 | 60 | 60 | 126 | 126 | 99 | 1,734 | 1,734 | 1,350 |
| $\begin{aligned} & \text { * ST592-Oly/DuPont } \\ & \text { (Sea) } \\ & \hline \end{aligned}$ | $\begin{gathered} 6 \mathrm{AM} / \\ 6 \mathrm{PM} \end{gathered}$ |  |  |  |  | 1,862 |  |  | 50,184 |  |  |
| 603-Olympia/Tacoma | 30 | 90 |  |  |  | 6,336 |  |  | 146,227 |  |  |
| 605-Olympia/Tacoma | 30 | 90 |  |  |  | 6,357 |  |  | 151,439 |  |  |
| * 609- <br> Tumwater/Lakewood | 30 | 90 |  |  |  | 6,123 |  |  | 173,414 |  |  |
| 612-Lacey/Tacoma | $\begin{gathered} \hline 1 \mathrm{AM} / \\ 1 \mathrm{PM} \end{gathered}$ |  |  |  |  | 674 |  |  | 16,263 |  |  |
| 620-Oly/Tacoma Mall |  |  |  | $\begin{gathered} 60 / \\ 90 \end{gathered}$ | $\begin{gathered} 60 / \\ 90 \end{gathered}$ |  | 1,118 | 1,205 |  | 27,781 | 29,948 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| System Totals |  |  |  |  |  | 173,791 | 19,839 | 14,217 | 2,467,215 | 271,276 | 200,326 |
| 2015 Totals |  |  |  |  |  | 207,847 |  |  | 2,938,817 |  |  |

* WSDOT "Regional Mobility Grant:" funded through June 2017.


## 2015 Route Service Summary

| Route | Total Boardings | Revenue Hours | Board / Hour | Rating | Comments |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Trunk Routes |  |  |  |  |  |
| 13-E. Tumwater | 346,969 | 14,690 | 23.6 | Marginal |  |
| 41-TESC | 486,936 | 13,087 | 37.2 | Satisfactory |  |
| 44-SPSCC/Cap. Mall | 259,266 | 10,190 | 25.4 | Satisfactory |  |
| 48-Capital Mall/TESC | 351,426 | 9,219 | 38.1 | Satisfactory | Runs weekday \& Saturday. |
| 49-Capital Mall | 25,994 | 623 | 41.7 | Exceeds | Runs Sunday only. |
| 62A-Martin/Meridian | 369,192 | 13,676 | 27.0 | Satisfactory |  |
| 62B-Martin/Meadows | 376,896 | 14,784 | 25.5 | Satisfactory |  |
| 66-Ruddell | 339,298 | 16,030 | 21.2 | Marginal |  |
| Secondary Routes |  |  |  |  |  |
| 12-W. Tumwater | 127,533 | 7,911 | 16.1 | Satisfactory |  |
| 21-N. Bethel | 74,482 | 3,221 | 23.1 | Satisfactory |  |
| 43-Barnes Blvd | 188,866 | 7,407 | 25.5 | Exceeds |  |
| 45-Conger/Cap. Mall | 51,561 | 4,381 | 11.8 | Marginal |  |
| 47-Capital Mall/CMC | 192,478 | 8,187 | 23.5 | Satisfactory |  |
| 60-Lilly/Panorama | 131,981 | 8,974 | 14.7 | Marginal |  |
| 64-College/Amtrak | 218,292 | 13,273 | 16.4 | Satisfactory |  |
| 67-Tri Lake | 37,633 | 3,983 | 9.4 | Unsatisfactory |  |
| 68-Carpenter/Boulevard | 222,708 | 12,694 | 17.5 | Satisfactory |  |
| 94-Yelm | 191,119 | 13,287 | 14.4 | Marginal |  |
| Specialized \& Shuttle Routes |  |  |  |  |  |
| 42-Family Court | 8,058 | 1,632 | 4.9 | Unsatisfactory | Limited service. Runs only weekdays during AM/Noon/PM peak. |
| 101-Dash | 82,425 | 6,560 | 12.6 | Marginal | Productivity: Session 13.3, <br> Non-session 11.4, Saturdays 10.3 |
| 411-Nightline | 9,148 | 352 | 26.0 | Exceeds | Operates Fri/Sat/Sun late night during academic year (under contract). |
| Express Routes |  | Per Trip |  |  |  |
| 603-Olympia/Tacoma | 55,179 | 6,336 | 12.7 | Marginal | Runs Weekdays only. |
| 605-Olympia/Tacoma | 76,218 | 6,357 | 16.5 | Satisfactory | Runs Weekdays only. |
| 609-Tumwater/Lkwd | 28,418 | 6,123 | 5.3 | Unsatisfactory | Runs Weekdays only. Grant-funded. |
| 612-Lacey/Tacoma | 8,874 | 674 | 17.3 | Satisfactory | Runs Weekdays only. |
| 620-Oly/Tacoma Mall | 22,468 | 2,323 | 11.8 | Marginal | Runs Sat/Sun only. |
| ST 592-Oly/DuPont (Sea) | 23,164 | 1,862 | 7.6 | Unsatisfactory | Runs Weekdays only. Operated by ST |
| EXPRESS TOTALS | 214,321 | 23,675 | 9.1 | Unsatisfactory |  |
| Fixed Route Totals | 4,306,582 | 207,847 | 20.7 | Change from 2014: <br> Hours up 0.1\%, Boa | ardings decreased $-4.2 \%$, dings per Hour down -4.3\%. |

## Other Intercity Transit Services

| Dial-A-Lift Service | 161,594 | -- | -- | $4.7 \%$ increase from 2014 |
| :--- | ---: | :---: | :---: | :--- |
| Vanpools | 685,112 | -- | - | $-7.9 \%$ decrease from 2014 |


| System Total | $5,153,288$ |  | $-4.5 \%$ decrease from 2014's 5,393,979 Boardings. |
| :--- | :--- | :--- | :--- |


| Performance |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |
| Standard | Standard | Trunk | Primary | Secondary | Rural | Commuter | Express |
|  | Riders per Hour |  |  |  |  | Riders per Trip |  |
|  | Exceeds standard | $>40$ | $>30$ | $>25$ | $>20$ | 25 or more | 25 or more |
| Satisfactory | $25-40$ | $20-30$ | $15-25$ | $12-20$ | 15.0 to 24.9 | 15.0 to 24.9 |  |
| Marginal | $20-24$ | $15-19$ | $10-14$ | $9-11$ | 10.0 to 14.9 | 10.0 to 14.9 |  |
| Unsatisfactory | $<20$ | $<15$ | $<10$ | $<9$ | Less than 10 | Less than 10 |  |

## 2015 Vehicle Assignment Analysis

| Route | High <br> Load* | Interlined Routes | Vehicle <br> Assigned | Comments |
| :---: | :---: | :---: | :---: | :---: |
| Trunk Routes |  |  |  |  |
| 13-E. Tumwater | 57 | 12,41,45,64,66 | Large Bus | Runs Mon-Sun. |
| 41-TESC | 66 | 13 | Large Bus | Runs Mon-Sun. |
| 44-SPSCC/Cap. Mall | 65 | 62A, 62B | Large Bus | Runs Mon-Sun. |
| 48-Capital Mall/TESC | 62 | 66,94 | Large Bus | Runs Mon-Sat. |
| 49-Capital Mall | 50 | 66 | Large Bus | Runs Sunday. |
| 62A-Martin/Meridian | 52 | 43, 44, 62B | Large Bus | Runs Mon-Sun. |
| 62B-Martin/Meadows | 47 | 43, 44, 62A | Large Bus | Runs Mon-Sun. |
| 66-Ruddell Road | 46 | 13, 48, 49 | Large Bus | Runs Mon-Sun. |
| Secondary Routes |  |  |  |  |
| 12-W. Tumwater | 51 | 13, 45, 64 | Medium Bus | Runs Mon-Sun. |
| 21-N. Bethel | 41 | 47, 60 | Small Bus | Runs Mon-Sun. |
| 43-SPSCC/Barnes | 53 | 62A, 62B | Large Bus | Runs Mon-Sat. |
| 45-Conger/Cap. Mall | 39 | 12, 13 | Medium Bus | Runs Mon-Sat. |
| 47-Capital Mall/CMC | 46 | 21, 68 | Medium Bus | Runs Mon-Sun. |
| 60-Lilly/Panorama | 49 | 21, 47 | Small Bus | Runs Mon-Sun. |
| 64-College/Amtrak | 43 | 12, 13 | Medium Bus | Runs Mon-Sun. |
| 67-Tri Lake | 43 | None | Small Bus | Runs Mon-Sat. |
| 68-Carpenter/Boulevard | 54 | 47 | Medium Bus | Runs Mon-Sun. |
| 94-Yelm | 56 | 48 | Large Bus | Runs Mon-Sun. |
| Specialized \& Shuttle Routes |  |  |  |  |
| 42-Family Court | 39 | None | Small Bus | Runs weekdays during commute hours and noon period. |
| 101-Dash | 38 | None | Small Bus | Weekdays: Runs all year. Saturdays: Runs Apr-Sep. |
| 411-Nightline | 61 | None | Large Bus | Runs Fri/Sat/Sun late night during TESC class quarters, by contract. |
| Express Routes |  |  |  |  |
| 603-Olympia/Tacoma | 54 | 605 | Large Bus | Runs weekdays only. |
| 605-Olympia/Tacoma | 63 | 603, 612 | Large Bus | Runs weekdays only. |
| 609-Tumwater/Lkwd | 38 | None | Large Bus | Runs weekdays only. |
| 612-Lacey/Tacoma | 38 | 605 | Large Bus | Runs weekdays only. |
| 620-Oly/Tacoma Mall | 51 | None | Large Bus | Runs weekends only. |

* High Load: Based on APC date provides highest passenger load by route during 2015 (not average trip load).
** Recommended Vehicle Assignment:
Large Bus: Low Floor 40' - Seating Capacity: 38
Medium Bus: Low Floor 35' - Seating Capacity: 32
Small Bus: Low Floor 30' - Seating Capacity Av: 23


# INTERCITY TRANSIT AUTHORITY <br> AGENDA ITEM NO. 7-C <br> MEETING DATE: July 6, 2016 

FOR: Intercity Transit Authority
FROM: Ann Freeman-Manzanares (705-5838)
SUBJECT: Citizen Advisory Committee (CAC) Bylaws Amendment

1) The Issue: Consider modifying the timeframe for the nomination and election of officers as the appointment of new members has transitioned from July to January.
2) Recommended Action: Approve changes to the CAC Bylaws as proposed.
3) Policy Analysis: The CAC Bylaws may be amended by a majority vote of the Citizen Advisory Committee members at any meeting of the CAC. Copies of the proposed revisions or amendments must be provided to CAC and ITA members thirty days in advance of the meeting at which the changes are to be acted upon.
4) Background: Historically the nomination and election of officers was done in the spring to coincide with new member appointments in July. The recruitment process was moved to the fall as it proved to yield more applicants. As such new member appointments have transitioned to January.

The terms of office for both the current Chair and Vice Chair expire June 30, 2016. Both Chair VanderDoes and Vice Chair Burt have agreed to continue in said capacity through the next election process to assist in cycling the terms of office.

Historically the timeframe for nominating and electing new officers has directly preceded the appointment of new members. It is appropriate to modify the Operating Procedures and Bylaws, the governing documents of the CAC, to reflect any changes:

## PROPOSED MODIFICATION TO CAC OPERATING PROCEDURES

Omit the text with the strikethrough and add the text that is underlined:

## OFFICERS/TERM OF OFFICE

"Officers will consist of Chair and Vice Chair. The process for choosing officers shall consist of nomination in August October (either self-
nomination or nomination by others) and affirmation by majority vote in September November."

## PROPOSED MODIFICATION TO CAC BYLAWS

Omit the text with the strikethrough and add the text that is underlined:

## OFFICERS/TERM OF OFFICE

"Officers will consist of Chair and Vice Chair. The process for choosing officers shall consist of nomination in May October (either self-nomination or nomination by others) and affirmation by majority vote in June November."

## 5) Alternatives:

A. Accept the proposed language.
B. Alter the language.
C. Continue to work on revisions.
6) Budget Notes: N/A.
7) Goal Reference: The CAC works in an advisory capacity to the Authority to meet all goals of Intercity Transit.
8) References: Citizen Advisory Committee Bylaws with proposed changes.

# INTERCITY TRANSIT CITIZEN ADVISORY COMMITTEE Bylaws 

## PURPOSE AND AUTHORITY

To advise the Intercity Transit Authority concerning transportation issues, to advocate for transportation choices and to represent the public in accomplishing Intercity Transit's mission and goals. (Amended 07/16/01;03/05/08)

This includes issues related to Public Transportation Benefit Areas (PTBAs), the Transit Development Plan (TDP), other plans or service planning efforts of Intercity Transit, the agency's budget and programs of capital projects and operating services, and general operating practices of Intercity Transit. (Amended 09/18/13)

The CAC is advisory to the Transit Authority, and provides customer feedback to the agency. (Amended 09/18/13)

## COMPOSITION

The CAC shall be comprised of no more than twenty members appointed by the Intercity Transit Authority. One position is specifically reserved for a 15-19 year old from Thurston County. Membership shall reflect Intercity Transit's service area. Representation from each of the following groups shall be sought:

- Senior Citizen(s)
- Persons with Disabilities
- Local College Student(s)
- Chambers of Commerce
- Business Representation (large and small)
- Service User(s) (fixed route, vanpool, DAL; Star Pass Holder)
- Youth (15-19 year old)
- City/State Transit Demand Management Coordinator(s)
- Social Service Agencies
- Medical Community
- Neighborhood Associations
- Rural Community
- Citizens-at-Large
- Native American
- Environmentalist
- Bicyclist

It is recognized a member may represent more than one of these groups. (Amended 07/16/01; 12/20/04; 2/14/11)

## TERMS

CAC members shall serve a term of three years, and may serve two complete terms. The Youth position will serve a one-year term and is eligible to reapply for a second one-year term. If a member is appointed to complete a vacant term, it is not considered a complete term. (Amended 07/16/01; 12/20/04; 2/14/11)

## ATTENDANCE

A CAC member who is absent more than twenty-five percent of the regular monthly committee meetings during a twelve month period will be removed from the committee. If staff needs to change the meeting date, and a member is unable to make the new date due to a conflict in their schedule, it will not be considered an absence. The staff liaison will track attendance and a monthly report will be included in the CAC packet.

A notification of membership forfeiture will automatically be sent to the respective member and Chair of the Citizen Advisory Committee when the fourth absence in a 12month period occurs.

Members are encouraged to contact the staff liaison prior to a meeting when they are unable to attend, to ensure the CAC will have a quorum. (Amended 07/16/01; 12/16/02; 12/20/04; 11/02/11; 02/13/12)

## MEETING SCHEDULE

Meetings will be held on the third Monday of each month, except for the months of January and February. January and February meetings will be held the second Monday of the month. All meetings shall be held at Intercity Transit's administrative offices, in the boardroom. Meeting length will be determined by the agenda. If issues relevant to the CAC are insufficient in number or substance, the meeting may be canceled with the agreement of the CAC Chair and Vice Chair. Members will be notified of the cancellation at least 24 -hours in advance of a meeting. (Amended 12/20/04)

## AGENDA

The CAC Chair will determine the agenda in conjunction with the Staff Liaison. Any member wishing to add an item for substantive discussion at the meeting may do so by contacting the CAC Chair or Staff Liaison at least ten days prior to the meeting date. CAC members may add items to the agenda at the beginning of a meeting with the understanding, that depending on the requirement for additional information, such
items may be discussed in a general way with substantive discussion and decision scheduled for a future meeting.
Staff Liaison shall mail the agenda to CAC members at least five days prior to the meeting and will send a copy of the packet to each member electronically. (Amended $02 / 13 / 12$ )

## MINUTES

The Staff Liaison shall distribute a summary of the meeting. Verbatim transcripts and detailed documentation of discussion will not be available. Members will be asked to consider and approve the minutes for the record by majority vote. The minutes will include a list of all members present and absent.

## QUORUM

It is intended a quorum should be present at each meeting. One more than half of the current CAC members constitutes a quorum. If a quorum is not present, the meeting may still be held and any decisions made by members present will be forwarded to the Authority with a note indicating a quorum was not present at the vote. If a meeting starts with a quorum, the quorum requirement is considered met, even if members leave following the opening of the meeting. (Amended 07/16/01)

The CAC shall use Robert's Rules of Order as a guideline for conducting its business except as provided otherwise by State law or the operating procedures.

## OFFICERS/TERM OF OFFICE

Officers will consist of Chair and Vice Chair. The process for choosing officers shall consist of nomination in May October (either self-nomination or nomination by others) and affirmation by majority vote in Jume November. (Amended 07/16/01; 2/06/08)

Officers will serve a term of one year and may serve up to two terms in the same office. If a CAC member completes an officer vacancy during the year, it shall not be considered against the two term limitation. A member may serve two years as Chair and two years as Vice Chair consecutively.

Officers may be removed prior to the end of term by majority vote of the CAC members. If an officer resigns or is removed prior to the end of the term, a replacement will be nominated and affirmed by majority vote. Such replacement will serve until the end of the regular term. (Amended 07/16/01; 12/20/04)

## Section 1.

## Chair

The Chair shall:

- preside at all meetings;
- develop the agenda in coordination with the Staff Liaison;
- act as spokesperson for the CAC;
- provide leadership and direction for the CAC;
- appoint members to attend the Authority work sessions, who then report back to the CAC at their monthly meeting; and
- perform other duties as may be requested from time to time by the CAC or the Authority (Amended 07/16/01)

Section 2. Vice Chair

The Vice Chair, in the absence or inability of the Chair to serve, shall have the powers and shall perform the duties of the Chair. The Vice Chair shall perform such other duties from time to time as may be requested by the CAC or the Chair.

## Section 3. Authority Work Session Representation

All members are expected to share the responsibility of representing the CAC at Authority work sessions. The Chair, working with the Staff Liaison shall seek CAC members to attend the monthly Authority work sessions. The CAC representative shall sit with Intercity Transit Authority members, participate fully in the meeting, and share the CAC's comments on respective issues. CAC representative(s) will serve at the work sessions in an advisory capacity to the Authority. (Amended 07/16/01; 12/20/04)

## MEETING PROTOCOL

- Presentations made by staff or others should be succinct and relevant.
- Discussion of relevant issues and development of recommendations should constitute the majority following adequate briefing and presentation. All members' opinions will be respected and considered. The CAC may seek, at its discretion, input from the Authority and staff.
- Agreement on the CAC's position and recommendation to the Authority, prior to transmittal to the Authority, is the preferred method. Consensus is one method of agreement. (Amended 2/19/01)
- Opposing positions will be shared with the Authority.
- Majority Vote is considered a majority of members present. (Amended: 12/20/04)


## PRODUCTS

It is anticipated the CAC will have a product in the form of a recommendation and/or a summary of the various points of view to the Authority following study and discussion of an issue. The recommendation and/or points of view will be forwarded to the Authority through the Staff Liaison, using the appropriate agenda forms and process.

The CAC will seek Authority feedback regarding disposition of the recommendation and/or points of view. (Amended 07/16/01)

## SELF ASSESSMENT

The CAC will assess its accomplishments at least annually. Primary criteria may include:

- Purpose: Did the CAC stick to the purpose set forth above or did it stray into areas not relevant to the purpose or mission of Intercity Transit.
- Usefulness: Did the CAC transmit to the Authority relevant and meaningful recommendations.
- Scope of Work: Did the CAC achieve the various tasks and/or consider Authority recommendations addressed during the previous evaluation and/or those requested throughout the year? If not, why? How did Intercity Transit and the community benefit from the results of the CAC's achievements?
- Other: Other criteria suggested by the CAC members may be used. (Amended 07/16/01; February 14, 2005)


## USE OF THE OPERATING GUIDELINES

The meeting protocol supersedes all other meeting procedures and will be used by the CAC until and unless it is amended by majority vote. Any such amendment will be recorded in the minutes and provided to the CAC members.

## AMENDMENTS

These bylaws may be amended by a majority vote of the Citizen Advisory Committee members at any meeting of the CAC. Copies of the proposed revisions or amendments must be provided to CAC and Authority members thirty days in advance of the meeting at which the changes are to be acted upon. (New Section Added 12/20/04)

## ADOPTED this 17th day of July, 2000.

Amended:
February 19, 2001
February 6, 2008
September 18, 2013
July 16, 2001
December 16, 2002
December 20, 2004
February 14, 2005
March 5, 2008
February 14, 2011
November 2, 2011
February 13, 2012

# INTERCITY TRANSIT CITIZEN ADVISORY COMMITTEE <br> Operating Procedures 

## PURPOSE AND AUTHORITY

To advise the Intercity Transit Authority (Authority) concerning public transportation policy issues and American's With Disabilities Act issues, either raised by the Citizen Advisory Committee (CAC) or referred to the CAC by the Authority. (Amended 07/16/01)

The term "policy issues" includes issues related to Public Transportation Benefit Areas (PTBAs), the Transit Development Plan (TDP), other plans or service planning efforts of Intercity Transit, the agency's budget and programs of capital projects and operating services, and general operating practices of Intercity Transit.

The CAC is advisory to the Authority, not the agency.

## COMPOSITION

The CAC shall be comprised of no more than nineteen members appointed by the Intercity Transit Authority. Membership shall reflect Intercity Transit's service area. Representation from each of the following groups shall be sought:

- Senior Citizen(s)
- Persons with Disabilities
- Local College Student(s)
- Chambers of Commerce
- Business Representation (large and small)
- Service User(s) (fixed route, vanpool, DAL; Star Pass Holder)
- Youth
- City/State Transit Demand Management Coordinator(s)
- Social Service Agencies
- Medical Community
- Neighborhood Associations
- Rural Community
- Citizens-at-Large
- Native American
- Environmentalist
- Bicyclist

It is recognized a member may represent more than one of these groups. (Amended 07/16/01; 12/20/04)

## TERMS

CAC members shall serve a term of three years, and may serve two complete terms. If a member is appointed to complete a vacant term, it is not considered a complete term. (Amended 07/16/01; 12/20/04)

## ATTENDANCE

Any four unexcused absences in a 12-month period will result in forfeiture of the member's position on the CAC. The staff liaison will track attendance and a notification of membership forfeiture will automatically be sent to the respective member when four unexcused absences in a 12-month period occur. For an excused absence, members must notify the staff liaison prior to the meeting. A pattern of significant absences will be reviewed by the Chair of the Citizen Advisory Committee, hereinafter referred to as the "Chair." (Amended 07/16/01; 12/16/02; 12/20/04)

## MEETING SCHEDULE

Meetings will be held on the third Monday of each month, except for the months of January and February. January and February meetings will be held the second Monday of the month. All meetings shall be held at Intercity Transit's administrative offices, in the boardroom. Meeting length will be determined by the agenda. If issues relevant to the CAC are insufficient in number or substance, the meeting may be canceled with the agreement of the CAC Chair and Vice Chair. Members will be notified of the cancellation at least 24 -hours in advance of a meeting. (Amended 12/20/04)

## AGENDA

The CAC Chair will determine the agenda in conjunction with the Staff Liaison. Any member wishing to add an item for substantive discussion at the meeting may do so by contacting the CAC Chair or Staff Liaison at least ten days prior to the meeting date. CAC members may add items to the agenda at the beginning of a meeting with the understanding, that depending on the requirement for additional information, such items may be discussed in a general way with substantive discussion and decision scheduled for a future meeting.

Staff Liaison shall mail the agenda to CAC members at least one week prior to the meeting.

## MINUTES

The Staff Liaison shall distribute a summary of the meeting. Verbatim transcripts and detailed documentation of discussion will not be available. Members will be asked to consider and approve the minutes for the record by majority vote. The minutes will include a list of all members present and absent.

## QUORUM

It is intended a quorum should be present at each meeting. One more than half of the current CAC members constitutes a quorum. If a quorum is not present, the meeting may still be held and any decisions made by members present will be forwarded to the Authority with a note indicating a quorum was not present at the vote. If a meeting starts with a quorum, the quorum requirement is considered met, even if members leave following the opening of the meeting. (Amended 07/16/01)

The CAC shall use Robert's Rules of Order as a guideline for conducting its business except as provided otherwise by State law or the operating procedures.

## OFFICERS/TERM OF OFFICE

Officers will consist of Chair and Vice Chair. The process for choosing officers shall consist of nomination in August October (either self-nomination or nomination by others) and affirmation by majority vote in September November. (Amended 07/16/01)

Officers will serve a term of one year and may serve up to two terms in the same office. If a CAC member completes an officer vacancy during the year, it shall not be considered against the two term limitation. A member may serve two years as Chair and two years as Vice Chair consecutively.

Officers may be removed prior to the end of term by majority vote of the CAC members. If an officer resigns or is removed prior to the end of the term, a replacement will be nominated and affirmed by majority vote. Such replacement will serve until the end of the regular term. (Amended 07/16/01; 12/20/04)

## Section 1. Chair

The Chair shall:

- preside at all meetings;
- develop the agenda in coordination with the Staff Liaison;
- act as spokesperson for the CAC;
- attend the regular Authority meeting the $1^{\text {st }}$ Wednesday of each month and provide reports to the CAC;
- provide leadership and direction for the CAC;
- appoint members to attend the Authority work sessions, who then report back to the CAC at their monthly meeting; and
- perform other duties as may be requested from time to time by the CAC or the Authority (Amended 07/16/01)


## Section 2. Vice Chair

The Vice Chair, in the absence or inability of the Chair to serve, shall have the powers and shall perform the duties of the Chair. The Vice Chair shall perform such other duties from time to time as may be requested by the CAC or the Chair.

## Section 3. Authority Work Session Representation

All members are expected to share the responsibility of representing the CAC at Authority work session. The Chair, working with the Staff Liaison shall seek CAC members to attend the monthly Authority work sessions. The CAC representative shall sit with Intercity Transit Authority members, participate fully in the meeting, and share the CAC's comments on respective issues. CAC representative(s) will serve at the work sessions in an advisory capacity to the Authority. (Amended 07/16/01; 12/20/04)

## MEETING PROTOCOL

- Presentations made by staff or others should be succinct and relevant.
- Discussion of relevant issues and development of recommendations should constitute the majority following adequate briefing and presentation. All members' opinions will be respected and considered. The CAC may seek, at its discretion, input from the Authority and staff.
- Agreement on the CAC's position and recommendation to the Authority, prior to transmittal to the Authority, is the preferred method. Consensus is one method of agreement. (Amended 2/19/01)
- Opposing positions will be shared with the Authority.
- Majority Vote is considered a majority of members present. (Amended: 12/20/04)


## PRODUCTS

It is anticipated the CAC will have a product in the form of a recommendation and/or a summary of the various points of view to the Authority following study and discussion of an issue. The recommendation and/or points of view will be forwarded to the Authority through the Staff Liaison, using the appropriate agenda forms and process. The CAC will seek Authority feedback regarding disposition of the recommendation and/or points of view. (Amended 07/16/01)

## SELF ASSESSMENT

The CAC will assess its accomplishments at least annually. Primary criteria may include:

- Purpose: Did the CAC stick to the purpose set forth above or did it stray into areas not relevant to the purpose or mission of Intercity Transit.
- Usefulness: Did the CAC transmit to the Authority relevant and meaningful recommendations.
- Scope of Work: Did the CAC achieve the various tasks and or consider Authority recommendations addressed during the previous evaluation and/or those requested throughout the year? If not, why? How did Intercity Transit and the community benefit from the results of the CAC's achievements?
- Other: Other criteria suggested by the CAC members may be used. (Amended 07/16/01; February 14, 2005)


## USE OF THE OPERATING GUIDELINES

The meeting protocol supersedes all other meeting procedures and will be used by the CAC until and unless it is amended by majority vote. Any such amendment will be recorded in the minutes and provided to the CAC members.

## AMENDMENTS

These operating principles may be amended by a majority vote of the Citizen Advisory Committee members at any meeting of the CAC. Copies of the proposed revisions or amendments must be provided to CAC and Authority members thirty days in advance of the meeting at which the changes are to be acted upon. (New Section Added 12/20/04)

## ADOPTED this 17th day of July, 2000.

## Amended: February 19, 2001

July 16, 2001
December 16, 2002
December 20, 2004
February 14, 2005

[^2]
[^0]:    Grays Harbor Transit Service between Aberdeen, WA and Olympia's Capital Mall, Greyhound terminal and the Olympia Transit Center.

[^1]:    - Intercity Transit continues to be involved with working with local jurisdictions and employers to promote the use of alternative transportation

[^2]:    C: \Users $\backslash$ pmessmer $\backslash$ AppData $\backslash$ Local $\backslash$ Microsoft $\backslash$ Windows $\backslash$ Temporary Internet Files \Content.Outlook\UKRQRIDO\operating procedures20160701.doc

