APPENDIX D

Sample Documents That Illustrate Practices Related to State and Local Roadway Data Integration

California

Model Inventory Roadway Elements (MIRE) Fundamental Data Elements (FDEs)
Gap Analysis (This document is no longer available.)
Kern Council of Governments HPMS Data
Orange County Traffic Data

Iowa

At Grade Intersection Collection

Ohio

Erie County GIS Advisory Board Agenda
Erie County GIS Advisory Board Meeting Minutes
Erie County Memorandum of Understanding

Tennessee

Acceptable Use Policy Network Access Rights and Obligations User Agreement Acknowledgement

Vermont

Procedure for Reviewing Counts and Assigning Station IDs

Washington State

WSDOT Model Inventory of Roadway Elements (MIRE) Fundamental Data Elements (FDE) Survey Set

WSDOT Model Inventory of Roadway Elements (MIRE) Fundamental Data Elements (FDE) Survey Summary

Kern Council of Governments

HPMS - by Year for 1/1/2014 - 12/31/2014

Location	Lat	Long	PkHr	PkDir	Single	Combo	PkHr Single	PkHr Combo	AADT	ADT	Count Date	HPMS ID	Located On	Approach	Location Description
100	35.28283	-119.03895	9.27%	50.07%					8124	7980	10/28/2014	06F289090000	Wible Road	BETWEEN	SR 119 (Taft Highway) AND Arvin-Edison Canal
101	35.31768	-118.995926	10.09%	55.84%					6618	6568	10/30/2014	06F244125000	White Lane	BETWEEN	Central Branch Kern Island Canal AND Cottonwood Road
1010	35.14367	-119.456	9.10%	55.41%	0.89%	0.3%	6.19%	0.00	3252	3985	9/23/2014	06G383110000	4th Street	BETWEEN	Front Street AND Ash Street
1018	35.14637	-119.43877	10.37%	57.78%	5.06%	0.46%	92.19%	0.00	434	532	4/24/2014	06G374110000	Airport Road	BETWEEN	SR 119 (Taft Highway) AND Ash Street
102	35.282584	-119.074429	10.01%	63.66%	1.24%	0.47%	19.69%	2.8%	3545	4294	11/11/2014	06F279072000	Ashe Road	NORTH OF	McCutchen
1021	35.14086	-119.45872	8.47%	51.72%	1.68%	0.8%	0.00	0.00	1369	1689	10/15/2014	06G375100000	Center Street	BETWEEN	10th Street AND SR 33
1023	35.14135	-119.47102	9.45%	51.52%	1.62%	0.57%	19.09%	9.49%	1048	1239	9/17/2014	06G380100000	Church Street	BETWEEN	A Street AND Lassen Street
1033	35.13984	-119.45858	9.88%	51.90%	2.43%	0.81%	18.79%	0.00	1599	1906	9/16/2014	06G376100000	Main Street	BETWEEN	10th Street AND SR 33
104	35.31147	-119.07443	10.79%	52.45%					14779	16223	11/12/2014	06F279085000	Ashe Road	BETWEEN	Southern Pacific Railroad AND District Boulevard
106	35.38151	-118.99123	8.83%	55.19%					5562	5257	8/20/2014	06F298145000	Baker Street	SOUTH OF	Niles Street
107	35.37974	-118.9885	10.76%	55.62%					13964	14119	2/18/2014	06F300100000	Beale Avenue	SOUTH OF	Monterey Street
108	35.34689	-119.05849	9.88%	51.91%					8988	9881	8/14/2014	06F310100000	Belle Terrace	BETWEEN	Florito Street AND New Stine Road

Traffic Data Sought

Section Identification			Current Traffic Data					
			either of these		Month and Year of Traffic Count (MM/YYYY)	either of these		D Factor
Street Name	Street_From	Street_To	ADT	AADT		Peak Hour Volume	K Factor	
Brea Boulevard	Central Ave	Tonner Canyon Rd	15665		03/2015	1792		71.3
Brea Boulevard	Tonner Canyon Rd	57 Fwy On Ramp	18357		03/2015	2048		75.9
Brea Boulevard	57 Fwy On Ramp	57 Fwy Off Ramp	19903		03/2015	2176		76.4
Esperanza Road	Imperial Hwy	Fairlyn Blvd	19016		03/2015	1840		71.7
Esperanza Road	Fairlyn Blvd	Fairmont Blvd	14339		03/2015	1411		67.7
Fairlynn Boulevard	Esperanza Rd	Woodgate Dr	6646		03/2015	604		74.1
Fairlynn Boulevard	Oakvale Dr	Crestknoll Dr	3599		03/2015	526		65.4
Kellogg Drive	Mountain View Ave	Club View Dr	8840		03/2015	851		69.6
Kellogg Drive	Old Ranch Rd	Shadow Hill Dr	8527		03/2015	734		59.8
Lambert Road	Sunflower St	Valencia Ave	18127		03/2015	1636		63.1
Macy Street	Whittier Blvd	Russell St	4593		02/2015	400		53.4
Tonner Canyon Road	Brea Blvd	Route 57	3653		02/2015	991		98.4
Yorba Linda Boulevard	Carthage St	Hamer Dr	24483		03/2015	2046		53

Methodology

- Preliminary Iowa DOT approach
- Out of the box software functionality
  - ArcGIS 10.x
  - Microsoft Excel
  - Google Maps, Earth, Street View
  - Bing Maps, Bird's Eye
- **Students!**

At Grade Intersection Collection

Methodology: Emphasis Areas

- Motivation - importance of database, end results
- Standard processes
- Training, training, training
- Quality assurance, quality control
- Progress monitoring, including peer monitoring
- Communication, feedback
  - Internal (project team), Iowa DOT

At Grade Intersection Collection

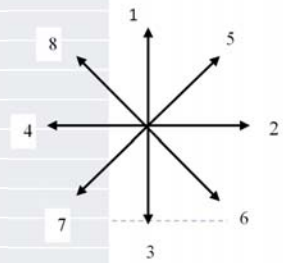
Intersection Elements

Iowa Code	MIRE Code
ID2007	120. Unique Junction Identifier
Road1	122. Location Identifier for Road 1 Crossing Point
Road2	123. Location Identifier for Road 2 Crossing Point
IntType121	121. Type of Intersection/Junction
NoLegs125	125. Intersection/Junction Number of Legs
IntGeom126	126. Intersection/Junction Geometry
SchoolZone	127. School Zone Indicator
RRCrossNo	128. Railroad Crossing Number
IntAng129	129. Intersecting Angle
OffDist130	130. Intersection/Junction Offset Distance
TfcCtrl131	131. Intersection/Junction Traffic Control
SigType132	132. Signalization Presence/Type
Light133	133. Intersection/Junction Lighting
Beacon	Presence of Flashing Beacon(s)
ImageDate	
Map Date	
Collection Date	
Collected By	
Comments	

At Grade Intersection Collection

Approach Elements

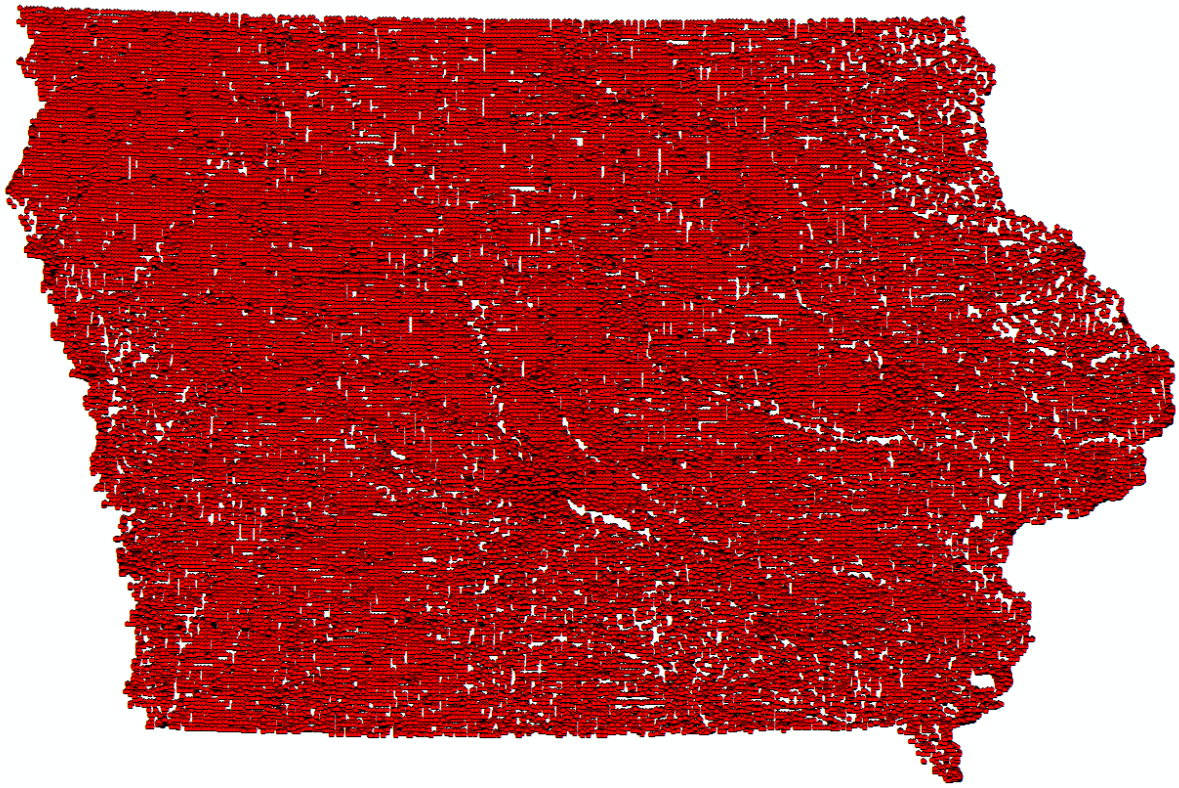
Iowa Code	MIRE Code
ID2007	138. Intersection Identifier for this Approach
ApchID	139. Unique Approach Identifier
Transport Node	
Trans Link	
ApchMod142	142. Approach Mode
ApchSurf	Approach Surface Type
ApchDir143	143. Approach Directional Flow
NApchLn144	144. Number of Approach Through Lanes
NBikeLn	Number of Approach Exclusive Bike Lanes
NpdriveApp	Number of Approach Private Driveway (Approaching Intersection)
NpdrivesDep	Number of Approach Private Driveway (Departing Intersection)
LTType145	145. Left Turn Lane Type
NExclLT146	146. Number of Exclusive Left Turn Lanes
AmtLTOf147	147. Amount of Left turn Lane Offset
LenLTLn151	151. Length of Exclusive Left Turn Lanes
RTChan148	148. Right Turn Channelization
NExclRT150	150. Number of Exclusive Right Turn Lanes
TCExcRT149	149. Traffic Control of Exclusive Right Turn Lanes
AmtRTOff	Amount of Right Turn Offset
LenRTLn152	152. Length of Exclusive Right Turn Lanes
MedInt153	153. Median Type at Intersection
ApchTC154	154. Approach Traffic Control
XWType157	157. Crosswalk Presence/Type
TranRum167	167. Transverse Rumble Strip Presence
TranRumDis	Transverse Rumble Strip Distance
Comments	



Unpaved-Unpaved Elements

Iowa Code	MIRE Code
ID2007	120. Unique Junction Identifier
Road1	122. Location Identifier for Road 1 Crossing Point
Road2	123. Location Identifier for Road 2 Crossing Point
IntType121	121. Type of Intersection/Junction
NoLegs125	125. Intersection/Junction Number of Legs
IntGeom126	126. Intersection/Junction Geometry
RRCrossNo	128. Railroad Crossing Number
IntAng129	129. Intersecting Angle
OffDist130	130. Intersection/Junction Offset Distance
TfcCtrl131	131. Intersection/Junction Traffic Control
SigType132	132. Signalization Presence/Type
Light133	133. Intersection/Junction Lighting
Map Date	
Collection Date	
Collected By	
Comments	

Iowa Code	MIRE Code
ID2007	138. Intersection Identifier for this Approach
ApchID	139. Unique Approach Identifier
Transport Node	
Trans Link	
ApchTC154	154. Approach Traffic Control



Intersections: 166,315
Approaches: 561,152

Erie County Geographical Information System Advisory Board

Semi-Annual Meeting

October 27, 2016 10:00am

Erie County Office Building

3rd floor Commission Chambers
247 Columbus Avenue
Sandusky, Ohio

Agenda

- **Approve 4/12/14 minutes**
- **Fiscal Report 2016**
- ***NEW* 2017-2022 GIS Advisory Board Agreement**
- ***ESRI Demo – Workforce, Navigator, Collector & Survey 123***
- ***Lightning Round – New apps demonstrations by ECGISAB members***
- ***GIS Resource Analyst & Training***
- **Open Forum Discussion**

New Agreement

- 2017-2022 GIS Advisory Board Agreement
  - New Items
    - ESRI ELA
    - Amazon Web Server
    - 2017-2022 Pictometry contract
    - Training/Resources

ESRI Demo

- Ryan Sellman – Solutions Engineer
  - Workforce
  - Navigator
  - Collector
  - Survey 123

Lightning Round

- Carrie Whitacre – EPRC/MPO
  - Zoning app
  - FEMA app
- Tiffany Taylor– City of Sandusky
  - Fire Hydrant map
  - Citizen Engagement
- Ethan Unzicker & Tara Nagaich – Erie Metro Parks
  - Story Map
  - Park Maps
- Mark Wroblewski - ECAO
  - Parcel Viewer
  - ArcGIS Solutions site

Questions?

Contact Information

- Mark Wroblewski – GIS Coordinator, Erie County Auditor's Office & Secretary,GIS Advisory Board.
- Mwroblewski@eriecounty.oh.gov
- (419) 627-6647 direct phone number

Erie County GIS Advisory Board

Breann Hohman, President
Joe Palmucci, Vice-President
Mark Wroblewski, Secretary

247 Columbus Avenue, Suite 210 Sandusky, Ohio 44870
(419) 627-6647 mwroblewski@eriecounty.oh.gov

Erie County Geographical Information System Advisory Board
Semi-Annual Meeting

Thursday October 27, 2016

The meeting attendees are as follows: Joseph Palmucci, Nicole Grohe, Carrie Whitaker, Richard Jeffrey, Bill Fleck, Jack Farschman, Megan Sherland, Eric Dodrill, Breann Hohman, Robert Kurtz, Tony Valerius, Amy Bowman-Moore, Melissa Loera, Tim Jonovich, Stu Hamilton, Tiffany Taylor, Jim Johnson, Tom Johnson, Abbey Bemis, Andy White, Jeff Ferrell, Jack Meyers, John Zarvis, Ron Cox, Charles Trinter, Tyson Metz, Brian Rospert, Carl Kamm, Matt Rogers, Ethan Unzicker, Tara Nagaich, Niki Woodruff, Toni Fritz, Melissa Fetter, Robert England, Dave Gulyas, Eric Wobser, Dan Frederick, Jeff Nemecek and Mark Wroblewski.

Secretary Mark Wroblewski called the meeting to order at 10:00 am.

Mr. Wroblewski reviewed the agenda and stated that the first item on the agenda was the approval of the minutes from our 4/12/16 meeting. Mark stated the minutes had been emailed out to be read prior to today's meeting. Mark asked if there were any corrections or discussion on the minutes. Mr. Wroblewski then asked for a motion to have the minutes approved. A motion was made and seconded. The minutes were approved.

Mr. Wroblewski stated that the next item on the agenda is the financial report. Mr. Palmucci presented the financial report. Joe reviewed the 2016 income and expenses. Mr. Palmucci stated that the anticipated balance for 12/31/2016 was $42,314.62. Joe commented that this balance is there to cover and changes in expenses, such as training, web services, etc. Mr. Wroblewski asked if there was any discussion on the financial report, there was none, then he asked for a motion to accept the finance report. A motion was made and seconded. The finance report was approved.

Mr. Wroblewski stated the next agenda item was the New GIS Advisory Board Agreement. Mark explained the new items include the ESRI Regional ELA - $61,000, Amazon Web Services - $4,000 and Training - $6,000. Mr. Wroblewski also explained that the Pictometry aerial contract expires in 2016, so we would have to secure a new contract with Pictometry before the end of the year to guarantee a spring 2017 flight and this contract would include 3 flights. A new six year contract with Pictometry offers the best pricing discounts and the flights would be in 2017, 2019 & 2021. The annual cost would be going up around $4,400, but this is 3" raster imagery. So the quality will be better than our current 4" imagery. Mark explained the benefits of the Amazon Web Server. It allows our members to access the data, maps and apps online and for the advanced collector apps this is essential. Mark explained that the other benefit is that not all non-county entities are directly connected to the same domain servers, which means that the AWS provides this network connectivity.

Mark explained with the new software and capabilities, that training is a priority, so we added $6,000 annually to our budget to cover having at least 2-3 multi-day training session for our members. Mark also explained that we are planning to conduct cell based training groups, that will offer project and or discipline specific members working together to build maps and apps respective to their needs. Mark review the existing budget items AccuGlobe – Desktop app and LBRS addressing maintenance app, WebEx – Meeting center used to record meetings and provide support to members and lastly Pictometry. The new 2017-2022 Erie County GIS Cost Share Agreement budget is $158,400. Mark explained that the Villages, Cities and Townships percentages are based on the 2010 census population. The County grouped entities percentages were based on combination of past percentages, the size of the entity (small, medium & large) and their potential use. The County group entities make up 50% of the total budget. There was some discussion from the members. Amy Bowman-Moore stated that Erie Metro Parks has been researching this for months and she feels that the new agreement is a very good deal.

The next item on the agenda is an ESRI demonstration by Ryan Sellman to show Workforce, Navigator, Survey 123 and Collector apps and how they integrate. Ryan via WebEx explained how these apps can provide powerful solutions to help manage field workers, efficiently route work, collect field data and provide the public the ability to report issues to the proper department. Ryan answered a few questions the audience had.

The next item on the agenda was the "Lightning Round" – New apps demonstrations by some of our own ECGISAB members. Tiffany Taylor from the City of Sandusky shared the Fire Hydrant Map, which uses the Collector app to inventory all the Fire Hydrants in the City of Sandusky and then uses symbology to identify types of items and even flow rates. Tiffany also shared the Citizen Engagement app she built for service requests and reports. She used the collector app and the Citizens Service Request and Reporting Form that can integrate with operations dashboard and other apps to effectively identify issues to the proper department in the City of Sandusky to review and solve. Carrie Whitaker from the ERPC/MPO shared the Zoning web app she built for the entire County and the separate one for City of Sandusky. She explained how the goal is to use this to maintain all Zoning maps and provide the app to see zoning for all properties in Erie County. Carrie showed the pop up box and the zoning data. Carrie then showed the FEMA Flood Plain Coastal Study Draft Maps app. This takes what FEMA has as the Draft FEMA maps and compares it to the existing certified FEMA maps. It provides an easy to view map that makes viewing the changes easy. Ethan Unzicker shared an Erie Metro Parks Story Map he built that shows a nice picture and simple narrative of all the Erie Metro Parks. They plan on using this web app on the Erie Metro parks website to help visitors see what the parks offer. Amy Bowman-Moore stated they have plans to shared virtual tours, such as videos along the trails and panoramic views from observation platforms. Mark Wroblewski gave a brief overview of the broad capabilities the members have with this new technology.

Mark Wroblewski explained to the members that the 2017-2022 GIS Cost Share Agreement needs to be approved by November 28, 2016 and the drop dead due date is December 2, 2016. Mark explained that he would make the discussed changes to the new agreement and email it out to everyone to get signed and approved by their council, commission, and trustees or elected official, then returned to Mark Wroblewski by the deadline. We would then get all the signed originals to the Erie County Board of Commissioners Clerk, Carolyn Hauenstein to get a Resolution passed that includes all the signed agreements. Mark will then scan and email the final approved resolution, including the agreements to all the members. Mark finished by stating that if any members need Mark or the ECGIS Advisory Board to come to a meeting or provide any assistance to get the new agreement approved, please email or call me asap.

Mark asked if there were any other questions or new business.

Mr. Wroblewski asked if there was any other new business. There was not. Mark asked for a motion to adjourn.

A motion was made to end the meeting a seconded.

The meeting adjourned at 11:52 am.

Prepared by: Mark Wroblewski, GISAB Secretary
Please email and revisions or comments to mwroblewski@eriecounty.oh.gov

Memorandum of Agreement
for
Ohio's Location Based Response System (LBRS)

THIS MEMORANDUM OF AGREEMENT (MOA) is made this __ day of _____, 200__, by and between the State of Ohio Office of Information Technology (OIT), through the Ohio Geographically Referenced Information Program Office (hereinafter OGRIP), whose principal place of business is 77 South High Street, Riffe Center, 19th Floor, Columbus, Ohio 43215, and the County of Erie (hereinafter County), having an office at 2900 Columbus Ave. Sandusky, Ohio 44870.

PURPOSE

OGRIP and the County desire to develop a system that uses and maintains a shared GIS database to support governmental activities of their respective jurisdictions. It is in the joint interest of OGRIP and the County to combine monetary and human resources, share common information, and agree upon relationships of mutual support to best achieve these ends.

The result of this MOA will be the release of funding by the state of Ohio to assist in creating a county level subsystem of the State's Location Based Response System (LBRS). The LBRS is conceived as a system of computers, hardware, software, communication networks, and data that creates an integrated, reliable street addressing solution with valid and verified address information. Each subsystem, and therefore the LBRS itself, will support locating street and structure addresses in their appropriate physical position. Each participating local government will maintain its portion, or subsystem, of the LBRS. State government's role will be to aggregate and preserve each county's subsystem and provide a portal through which spatial data can be conveniently provided to appropriate governmental (regional, state, and federal) groups, and potentially, the general public. The LBRS will be the initial manifestation of a shared spatial framework that will allow eventual integration of other geographically-referenced data, such as jurisdictional boundaries, taxing districts, school districts, etc.

This Memorandum of Agreement will provide part of the foundation needed to promote and provide the means to realize the sharing of geographic data among all levels of government.

Goal

OGRIP and the County through this MOA agree to coordinate their respective staff (including vendors) to help fulfill their own mission and responsibilities and further a vision of enhanced spatial data sharing. To that end, Ohio's Location Based Response System (LBRS) will be a multi-jurisdictional, collaboration yielding a statewide system of computers, hardware, software, communications networks, and data.

Implementation

OGRIP and the County may develop and exchange additional information, instructions, and operating procedures that the parties may deem necessary to implement this MOA. Such information, instructions, and procedures shall be subject to the approval of both parties.

The terms used in this Memorandum of Agreement are defined in Appendix A.

I. GENERAL TERMS and CONDITIONS

A) Nature of the Memorandum of Agreement

OGRIP and the County expressly acknowledge and agree that this MOA sets forth the terms and conditions governing the services to be delivered and performance of services to be rendered by the participants.

B) Agreement Approval

1. Participants shall cause this MOA to be executed first by the appropriate county officials.

2. The participants recognize the MOA is wholly executory and not fully executed and binding until and unless approved by OGRIP. If the Agreement exceeds $49,999.99 in value, it shall also require the approval of the Office of Finance, Office of Budget and Management, and the Controlling Board.

C) Duration of Term and Termination

1) This MOA shall become effective on the date the MOA is fully executed by both parties after approval as specified in this document under *Signatures*. Subject to Sub-section E (Non-appropriation of Funds), the MOA shall remain in effect until such time as either party wishes to terminate it, or upon failure of the participants to comply with any of the terms and conditions of the agreement.

A) Voluntary termination shall take effect upon one hundred twenty (120) days' written notice to the other party.

B) Termination for cause shall take effect after either Party issues a notice of violation to the participant and such participant fails to cure the violation within thirty days of such notice. Within ten (10) days of the termination date, the Participant shall return all data completed through this project to date.

2) OGRIP agrees not to sell, disclose or make available any data obtained through this MOA (without seeking prior approval from the County) to any private organization unless required to do so by law.

3) Concerning the maintenance of the County subsystem, if a Primary Data Steward (definitions are in Appendix A) ceases to be a Participant, all Secondary Data Stewards provided by such Primary Data Steward shall continue to have the ability to use the Data in accordance with the terms and conditions of this MOA.

This MOA shall not be amended, modified, or altered except by a written instrument duly executed by both parties.

D) Consideration

OGRIP and the County shall share the costs of the development of a county-wide LBRS subsystem to support the State's Location Based Response System as previously defined under Purpose and further defined in Appendix A.
The State's total consideration for this effort will be $12,325.45.

E) Non-appropriation of Funds

The State's funds are contingent upon the availability of lawful appropriations by the Ohio General Assembly. If the General Assembly fails at any time to continue funding for the payments and other obligations due as part of this contract, the State's obligations under this contract are terminated as of the date that the funding expires without further obligation of the State. In that event the county's obligations are also terminated.

As the current General Assembly cannot commit a future General Assembly to an expenditure, this contract will expire at the end of the biennium. At that time, the State may renew this contract by giving written notice to the county prior to June 30th. In no event shall any renewal period extend past June 30th of a given biennium.

F) Certification of Funds

None of the rights, duties, or obligations in this Contract will be binding on the State, and the Contractor will not begin its performance, until all the following conditions have been met: (a) all statutory provisions under the Code, including Section 126.07, have been met; (b) all necessary funds are made available by the appropriate state agencies; (c) if required, approval of this Contract is given by the Controlling Board of Ohio; and (d) if the State is relying on Federal or third-party funds for this Contract, the State gives the Contractor written notice that such funds have been made available.

G) Indemnity Relating to Third Parties

Each party shall be responsible for any and all claims due to that party's fault or negligence as permitted by Chapter 2743 of the Ohio Revised Code for the State, and for the County as permitted by OAG 99-049.

Neither party shall be responsible for any indirect or consequential damages even if that party has been advised or should have known of such damages.

H) Proposed Methodology

The County will provide the State with sufficient information regarding the development activities of the County's LBRS subsystem to permit the evaluation of the proposed methodology and to ensure its applicability to the State's LBRS. The State's approval of the County methodology will be required prior to the execution of this MOA.

1) Subcontracting

a). If County hires a contractor to develop the County's LBRS subsystem, the contractor will be required to comply with the Roles and Responsibilities detailed in Section Two of this MOA. Additionally, the County will provide the selected contractor's proposal to OGRIP for review and signoff for the development of the County's subsystem. If state funds are to be used to pay for some portion of the contractor's services, OGRIP shall evaluate the selected proposal and methodology to ensure its applicability to the State's LBRS prior to final contractor selection.

b) County shall give OGRIP immediate notice in writing of any legal action or suit filed, and prompt notice of any claim made, against County by any contractor or subcontractor which may result in litigation related in any way to this MOA which may affect the performance of duties under this MOA.

I) Assignments

1. OGRIP agrees not to assign this MOA without prior notice to the County.

2. The County may not assign this MOA without the prior written consent of OGRIP.

3. All provisions contained in this MOA shall be binding upon, inure to the benefit of, and be enforceable by the respective successors and assigns of the parties hereto to the same extent as if each such successor or assign were named a party hereto.

J) Entire MOA

These documents constitute the entire MOA between parties. No statement, promise, condition, understanding, inducement or representation, oral or written, expressed or implied, which is not contained herein shall be binding or valid. This MOA shall not be changed, modified, assigned or altered in any manner except by written instrument executed by authorized representatives of both parties and approved by the OGRIP Council.

The general terms and conditions for the contract are contained in the MOA. If there are conflicting provisions between the documents that make up the contract, the order of precedence for the documents is as follows:

1) The LBRS Memorandum of Agreement (MOA), as amended;
2) The documents and materials incorporated by reference in the MOA;
3) The selected contractor's proposal, as amended, clarified, and accepted by the county and state; and
4) The documents and materials incorporated by reference in the selected contractor's proposal.

Notwithstanding the order listed above, change orders and amendments issued after the Contract is executed may expressly change the provisions of the Contract. If they do so expressly, then the most recent of them will take precedence over anything else that is part of the Contract.

K) County Status

In no manner shall County or its employees be deemed employees of the State of Ohio, and, therefore, are not entitled to any of the benefits associated with such employment.

L) Notices

All notices, demands, designations, certificates, requests, offers, consents, approvals and other instruments given pursuant to this MOA shall be in writing and shall be validly given when mailed by registered or certified mail, or hand delivered, (i) if to OGRIP, addressed to OGRIP at its address set forth herein, and (ii) if to County, addressed to County at its address set forth herein. The Parties may specify any address in the US as its address for purpose of notices under this MOA by giving fifteen (15) days written notice to the other party. The parties agree to mutually designate individuals as their respective representatives for the purpose of this MOA.

M) Conflict of Interest

If during the term of the MOA County becomes aware of an actual or potential relationship which may be considered a conflict of interest, County shall notify OGRIP in writing immediately.

N) Severability

Should any provision of the MOA be declared or found to be illegal, unenforceable, ineffective or void, then each party shall be relieved of any obligation arising from such provisions; the balance of the MOA, if capable of performance, shall remain in full force and effect.

II. ROLES and RESPONSIBILITIES

1. County Spatial Management Structure – The County will have a management structure in place that will ensure the successful creation of the County LBRS subsystem. This structure will consist of representation of the County Auditor, County Commissioners, County Engineer and the designated (GIS Director or Coordinator) project manager for this effort. It is recommended that this management structure include the County E-911 coordinator, County EMA Director and the County Health Commissioner. It is imperative that this effort be Countywide and strong consideration will be given to the management structure and its representation to support this effort by OGRIP before proceeding with an MOA.

2. Communication and Coordination – OGRIP agrees to coordinate activities associated with the LBRS with the County and other State Agencies. The County will facilitate communication coordination between OGRIP's Project Manager and contractors, subcontractors and the County's project manager. County and OGRIP agree to designate a single representative who will act as the authorized liaison to all participants for the purpose of quality control, data acceptance, data sharing, notification, clearinghouse information and other communication as required. Each representative shall be listed by name, address, telephone, fax and e-mail address.

3. Data Development – The County agrees to be responsible for management and creation of roadway centerline data with address ranges and associated Federal Geographic Data Committee (FGDC)-compliant metadata (see Appendix A) as specified by the OGRIP Location Based Response System Data Specification, December 2004, revised to June 2005 (OGRIP LBRS Road Data Specification). This responsibility extends to supervision of all contractors, subcontractors, project management and oversight for the duration of this project. This could also include the conflation of existing spatial data where appropriate, and the inclusion of other relevant spatial data (best available), e.g., imagery, airport facilities, railroads, rivers and streams, cultural boundaries, etc. Center-lines will be developed in accordance with the specifications associated with the OGRIP LBRS Road Data Specification.

4. Additional Data Development Services – The County may choose to procure additional contractor services over and above this MOA. Payment for such additional services not outlined in this MOA shall remain the sole responsibility of the County.

5. Quality Assurance/Quality Control – The County agrees to be responsible for validation and verification of all data developed, including street names, site addresses and address ranges. Local knowledge will be needed to ensure that street names, aliases, and address ranges are complete, displayed correctly and in their appropriate spatial positions. OGRIP will perform quality control of the linkages defined in the specification. OGRIP will also validate connectivity and completeness across jurisdictional boundaries using available digital orthophoto imagery as a reference. Acceptance of final deliverables will not be complete until OGRIP formally accepts the submitted data.

6. Updates and Maintenance – The County will be responsible for the perpetual update and maintenance of the County's LBRS subsystem and spatial data assets. OGRIP will be responsible for the integration of the County's subsystem data into the state's Location

agreed upon schedule for the frequency of maintenance and update submission (including Metadata) to OGRIP for publishing to GIServOhio in a subsequent MOA.

7. LBRS Data Usage/Data Sharing - For consideration of the State's contribution toward the development of the County's LBRS subsystem, the County grants full access and ownership to all LBRS data generated for the County's subsystem to the State. The State, as owner of the spatial data obtained through this MOA, retains unlimited distribution rights to LBRS data in the Public Domain. If a request to the County is submitted by a state agency, the County will direct the state agency to OGRIP for release of data.

8. Population of GIServOhio – The state will publish and populate spatial data holdings and metadata obtained through this MOA to the GIServOhio portal. The County agrees that it will continue to furnish updates to GIServOhio.

9. County's Agent or Consultants – The County shall ensure in writing that any data transferred to or prepared by County's agent or consultant will be in the custody and control of the County and shall not alter the rights and obligations of the County as a Primary or Secondary Data Steward of the data. The County agrees to adhere to the criteria adopted by OGRIP regarding release of data to an agent or consultant.

10. Private Confidentiality – Both Parties agree not to disclose any data exempted from disclosure by applicable Federal and State law.

11. Disputes – When disputes arise among County and OGRIP, the OGRIP Council shall mediate such disputes.

SIGNATURES

This MOA will take effect immediately upon the signing of this document by the appropriate officials below:

STATE

R. Steve Tolmonsen 9/3/07
Date

Office of Information Technology
State Chief Information Officer

COUNTY

Nancy C. McKeen

Thomas M. Ferrell, Jr. - absent
Signatures
Board of Erie County Commissioners

October 12, 2006
Date

Connie L. Ward
Signature

Connie L. Ward

Erie County Auditor

10-3-06
Date

John D. Farschman
Signature

John D. Farschman, P.E., P.S.

Erie County Engineer

10-05-2006
Date

OGRIP

12/22/06
OGRIP Council Chair Date

Barbara Centers
OGRIP Council Representative Date

11/06/06
OGRIP Council Representative Date

12-13-06
OGRIP Council Representative Date

12/20/06
OGRIP Council Representative Date

County Tax ID # 34-6400428

Web services—permits a virtual connection to host servers simultaneously to gather and display data from diverse sources.

Location Based Response System (LBRS) County Subsystem consists of computers, hardware, software, communications networks and data used to create an integrated, high accuracy addressing network with valid and verified address information countywide that will allow for locating addresses in their appropriate physical location. State and local governments will jointly maintain LBRS subsystems to create a statewide Location Based Response System. The LBRS will be used to integrate other location-based data, such as jurisdictional boundaries, taxing districts, school districts, etc.

Metadata is data about the content, quality, condition and other characteristics of data. It provides an understanding of the purpose for collecting the spatial data thereby supporting the reliable use of spatial data.

National Spatial Data Infrastructure (NSDI) was developed by concerned professionals within the federal mapping establishment and other interested parties. It represents the technology, policies, standards and human resources necessary to acquire, process, store, distribute and improve utilization of spatial data. The NSDI is a framework through which organizations and technology interact to foster activities for using, managing and producing spatial/geographic data.

Ohio Geographically Referenced Information Program (OGRIP) is the authorized Geographic Information System (GIS) coordinating entity for the State of Ohio. It was created in response to the critical need for coordination in the development and use of digital spatial data. The OGRIP Council serves as a communication channel concerning geographic or location based information. The OGRIP Council has broad representation to facilitate information gathering about spatial data, spatial data initiatives and issues impacting the GIS community in Ohio.

Ohio Spatial Data Framework represents Ohio's variation of the NSDI. In 2000, the OGRIP Council approved the Ohio framework consisting of seven framework data layers - Geodetic Control/Monumentation, Imagery, Transportation, Hydrography, Cadastre, Cultural Boundaries and Metadata. Ohio must develop framework data layers to support the development of enterprise-wide applications and facilitate the exchange of timely data and relevant information among the three levels of government, academia, and the private sector. The development of statewide framework data layers will increase this interaction and collaboration by providing a common foundation on which to better share data. The ability to share data and produce relevant information in a timely manner will help policy makers make more informed decisions and react more quickly and effectively to unforeseen events.

The Location Based Response System (LBRS) is one of the first major components of Ohio's Spatial Data Framework Development. It is one of the six framework layers identified by the OGRIP Council and in the 2001 Spatial Data Management Cost Benefit Analysis as being critical to Ohio's future. The LBRS will enhance the State's ability to provide a coordinated response to requests for data to Local, State, and Federal agencies such as FEMA and the Office of Homeland Security.

Participant as used in this document means either a county or the state entity charged with promoting the exchange of spatial data in order to avoid redundant data capture and storage.

Primary Data Steward is a staff member, or duly authorized representative of a participant that developed as well as maintains the Spatial Data. Each collection of spatial data (database, file, layer, etc.) shall have a single Primary Data Steward.

Secondary Data Steward is a staff member, or duly authorized representative of a participant in possession of the Spatial Data acquired from the Primary Data Steward.

Spatial Data is information identifying the geographic location, shape and characteristics of natural or constructed features and boundaries and the relationship between them. The information may be derived from remote sensing, orthoimagery, mapping, survey technologies, etc. Spatial data is any data that can be mapped.

Standards are the criteria endorsed, adopted and/or revised by the OGRIP Council and Forum for GIS data, metadata (Framework Data Layers) or other items included in the development, dissemination and use of GIS. Standards referred to in this document include the OGRIP LBRS Road Data Specification, available at ftp://ftp.geodata.gis.state.oh.us/pub/LBRS/Documents/LBRS Data Specification Version 2.0.pdf and the FGDC metadata standard available at ftp://ftp.geodata.gis.state.oh.us/pub/LBRS/Documents/FGDC-STD-001-1998.pdf.

System as used in this document means a virtual shared data environment that promotes access by government entities, the public at large, and other legitimate users of location-related information.

Subsystem as used in this document means the discrete portion of the system for which data is developed by a participant (see also, LBRS Subsystem).

LBRS Data Delivery and Invoicing

ining the Roles and Responsibilities of the County/State partnership, the MOA is the instrument that allows the state to enter into a ract with the county for the developmentof the county LBRS sub-system and the tools and procedures necessary for the county to LBRS data and maintenance requiremers. The MOA becomes effective after it has been approved by the Controlling Board and ector of the Office of Information Technology. A signed original will be returned to the County for their records. As stated in the ill need to review the proposed solution or the development of the County's LBRS centerline and address data. Upon approval the forward with the development of the LBRS.

e that centerline data is being developedin accordance with LBRS/ODOT standards it is advisable that the data be previewed by e logpoints have been calculated and prior to the county QA/QC efforts for standardization and address range development. Data should be delivered to the second addres listed below and should be clearly marked as preliminary.

e development of the LBRS are deliverable based and must conform to the LBRS specifications document (street centerlines with left and right zip codes, site address poit locations, street alias table, etc.) After the data has been QA/QC'd by the county it can be tate for final review and approval. An invoice **from the County** should be included along with the county's final QA/QC'd CD-ROM. The state will need 2-3 weeks or data verification. Upon approval of the centerline and logpoint data by ODOT and e requirements of the LBRS program, OGRIP will approve an invoice for payment.

g information for the LBRS invoice are different.

ce should be made out and mailed to:

State of Ohio
Department of Administrative Services
1323 W Fifth Avenue Suite 140
Columbus, OH 43204-4899

erables should be mailed to:

State of Ohio
OGRIP/LBRS Program
7 S. High St. Suite 1990
Columbus, OH 43215-6108

County information on the invoice shouldread the same as the information provided on the first page of the MOA.

is found to be non-compliant an explanaion of non-compliance will be provide to the County and/or their appointed representative resubmission for approval.

STATE OF TENNESSEE

Acceptable Use Policy
Network Access Rights and Obligations
User Agreement Acknowledgement

As a user of State of Tennessee data and resources, I agree to abide by the Acceptable Use Network Access Rights and Obligations Policy and the following promises and guidelines as they relate to the policy established:

1. I will protect State confidential data, facilities and systems against unauthorized disclosure and/or use.
2. I will maintain all computer access codes in the strictest of confidence; immediately change them if I suspect their secrecy has been compromised, and will report activity that is contrary to the provisions of this agreement to my supervisor or a State-authorized Security Administrator.
3. I will be accountable for all transactions performed using my computer access codes.
4. I will not disclose any confidential information other than to persons authorized to access such information as identified by my section supervisor.
5. I agree to report to the Office for Information Resources (OIR) any suspicious network activity or security breach.

Privacy Expectations

The State of Tennessee actively monitors network services and resources, including, but not limited to, real time monitoring. Users should have no expectation of privacy. These communications are considered to be State property and may be examined by management for any reason including, but not limited to, security and/or employee conduct.

I acknowledge that I must adhere to this policy as a condition for receiving access to State of Tennessee data and resources.

I acknowledge that I have read the Computer Crimes Act and the State of Tennessee Security Policy 4.00 Access. I understand the willful violation or disregard of any of these guidelines, statute or policies may result in my loss of access and disciplinary action, up to and including termination of my employment, termination of my business relationship with the State of Tennessee, and any other appropriate legal action, including possible prosecution under the provisions of the Computer Crimes Act as cited at TCA 39-14-601 et seq., and other applicable laws.

I have read and agree to comply with the policy set forth herein.

Type or Print Name	Last 4 digits of Social Security Number
Signature	Date

FA-0984

RPC ATR Counts
Procedure for Reviewing Counts and Assigning Station IDs

- For RPC counts, we typically receive raw TraxPro files via email. Save the files to the Z Drive in the RawCounts folder for the corresponding RPC.
- Open the file to be reviewed in TraxPro and determine if the station location can be determined from either the comments or coordinates included in the file. A map may have been provided.
- As each file is reviewed, save a working copy in the EditedCounts folder.
- If the location is not clear, get back to the RPC for more location info.
- If the location is clear, preview the volume report and review the count for:
  1. Enough data – minimum of 2 full days of weekday traffic
  2. Missing data – look for hours with zero volume, especially at the end of the count
  3. Directional imbalance – maybe accurate – compare to prior year count or neighboring count
  4. If the count is a classification count, preview the Axle Classification Report to identify possible classification errors:

Checks	**Criteria for caution (for the count as a whole):**
Class 14s*	>5% for the count as a whole
Directional ADT	DAY SPLIT > 53% for the count as a whole
Cycles	> 2%
Cars	<70%
Pickups	>22%
Busses	> 1%
8's vs. 9's	8's > 9's, na for local streets, weekdays only
Multi trailers	CL 11-13 > 1%
Med vs. Heavy	med < heavy (med - heavy < 0)
Sat %ADTT	> 75% of weekday ADTT
Sun %ADTT	> 75% of weekday ADTT
Peak hr trucks	> weekday ADTT
Misclassification	Class 3's can be misclassified as 5's – look for high class 5's. High cycles can indicate problems with classes 2-5.

*Sometimes the class 14 vehicles (error vehicles) have been redistributed through the count. These counts should be used with caution. If the classification seems reasonable for the location, (not a bunch of tractor trailer trucks on a back road) use the classification count, otherwise use as a volume count.

- If the count has a bad day(s) but enough salvageable data, delete the bad days.
- If the file is too bad to use (fails one of the review steps 1-3), make a note of it.
- If the file is good, or good enough for a volume count (passes review steps 1-3, but fails 4):
  - Using ArcMap and MS2, check to see if we have a station ID already identified for that location.
  - If a Station ID exists, use it. Since we are assuming the site is the same as a previous count, do not update the description or coordinates, unless there is an error in the existing info or if the existing location information is vague and can be updated to be more specific.

RPC ATR Counts
Procedure for Reviewing Counts and Assigning Station IDs

- If a Station ID is not already identified,
  - In ArcMap, find out if the road is a local or federal aid route. To do this, use the "i" button, and click on the road in the Roads layer. If the field "FUNCL" is 6 or 7 then the road is a local road, otherwise it is a federal aid route.
  - In ArcMap or MS2, get the info needed to describe the count relative to neighboring crossroads (road names and numbers).
  - Select an available station ID; make sure it's not already in ArcMap, the coverage count master schedule, or the local road master schedule. For counts on local roads use alpha station ID. For Federal Aid Routes (FAR), use Alpha-Numeric ID.
  - In MS2, create a new Station ID.
- Delete the partial days on either end of the count.
- For counts with more than a single channel (direction), rename the directions to standard format:
  Acceptable values are: 'EB', 'East', 'EAST BOUND', 'WB', 'West', 'WEST BOUND', 'NB', 'North', NORTH BOUND', 'SB', 'South', 'SOUTH BOUND', 'ET', 'EB Thru Lane', 'WT', 'WB Thru Lane', 'NT', 'NB Thru Lane', 'ST', 'SB Thru Lane', 'EP', 'EB Passing Lane', 'WP', 'WB Passing Lane', 'NP', 'NB Passing Lane', 'SP', 'SB Passing Lane', 'EB & WB', 'EASTBOUND & WESTBOUND', 'NB&SB', 'NORTHBOUND & SOUTHBOUND'. Case and space in between does not matter.
  For single channel counts, there is no need to rename the channel.
- If the count is acceptable as a volume count, but not a classification count, convert the count to a volume count.
- Refer to the data loading procedure to load the count into MS2: DataLoadingProcedure.docx.

Thank you for participating in our survey. Your feedback is important and appreciated.
The transportation legislation Moving Ahead for Progress in the 21st Century (MAP-21) calls for advancing the capabilities of states for safety data collection, integration, and analysis to support program planning and management.

The Model Inventory of Roadway Elements (MIRE) is a recommended listing of roadway inventory and traffic elements critical to safety management. MIRE is intended as a guideline to help transportation agencies improve their roadway and traffic data inventories. More information is available from https://safety.fhwa.dot.gov/rsdp/mire.aspx.

FHWA requires all states to establish MIRE Fundamental Data Elements (FDE) for all public roads. The MIRE FDE is a comprehensive data set, including roadway geometrics, roadway features, and traffic information, which can be used to conduct advanced safety analyses. The FDE are the minimum subset of the roadway and traffic data elements from FHWA's MIRE that are used to support a state's data-driven safety program.

The MIRE FDE are categorized by functional classification and surface type. States must collect and use the MIRE FDE on all public roads to support enhanced safety analysis and safety investment decision-making. In order to satisfy the requirement to collect data on all public roadways, state transportation agencies are reaching out to local agencies in an effort to obtain data that is available at the local level and avoid duplication of data collection activities. A Linear Referencing System (LRS) is used to locate MIRE FDE inventory on all roads. LRS is a method of spatial referencing, in which the locations of features are described in terms of measurements along a linear element, from a defined starting point, for example a milepost along a road.

FHWA requires that all states develop a plan by July 1, 2017 for how to collect MIRE FDE. This plan should include strategies that consider the status of MIRE FDE collection efforts, data collection methodology, coordination with other agencies, prioritization criteria for collecting MIRE FDE on all public roads, and the schedule and estimated costs for data collection efforts. Complete collection of all MIRE FDE on all public roads is to be completed and States shall have access to the FDE by September 30, 2026.

The Transportation Data, GIS and Modeling Analysis Office and Local Programs Office of the Washington State Department of Transportation (WSDOT) are working together to coordinate development of a plan for how to collect MIRE FDE by July 1, 2017. Part of the development of this plan is to conduct this survey with Washington State local agencies to determine what data is already existing and collected.

The MIRE FDE are categorized by functional classification (FC) and surface type. The total number of FDE required for each of the three roadway categories are:

- **Arterial and Collector paved roads-37;**
- **Local Access paved roads-9;**
- **All FC Unpaved roads-5.**

Specific information on the data elements may be found here https://safety.fhwa.dot.gov/tools/data_tools/mirereport/mire_elements.

Please complete the attached survey to provide input into this plan no later than Friday, April 7, 2017. Your response to this survey will contribute to development of the plan to collect MIRE FDE for Washington State and your participation appreciated.

If there is someone in your agency better suited to complete this survey please forward the link to the survey on to them. Thank you!

1. Your Name?

2. Your Agency?

3. Phone Number?

4. Email Address?

ARTERIAL AND COLLECTOR PAVED ROADS-ROADWAY SEGMENT (FUNCTIONAL CLASSIFICATION 1-6)

5. SEGMENT IDENTIFIER (12)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

6. ROUTE NUMBER (8)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

7. ROUTE/STREET NAME (9)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

8. FEDERAL-AID/ROUTE TYPE (21)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

9. RURAL/URBAN DESIGNATION (20)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

10. SURFACE TYPE (23)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

11. BEGIN POINT SEGMENT DESCRIPTOR (10)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

12. END POINT SEGEMENT DESCRIPTOR (11)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

13. SEGMENT LENGTH (13)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

14. DIRECTION OF INVENTORY (18)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

15. FUNCTIONAL CLASS (19)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

16. MEDIAN TYPE (54)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

17. ACCESS CONTROL (22)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

18. ONE/TWO-WAY OPERATIONS (91)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

19. NUMBER OF THROUGH LANES (31)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

20. AVERAGE ANNUAL DAILY TRAFFIC (AADT) (79)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

21. AADT YEAR (80)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

22. TYPE OF GOVERNMENT OWNERSHIP (4)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

ARTERIAL AND COLLECTOR PAVED ROADS-INTERSECTION (FUNCTIONAL CLASSIFICATION 1-6)

23. UNIQUE JUNCTION IDENTIFIER

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

24. LOCATION IDENTIFIER FOR ROAD 1 CROSSING POINT (122)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

25. LOCATION IDENTIFIER FOR ROAD 2 CROSSING POINT (123)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

26. INTERSECTION/JUNCTION GEOMETRY (126)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

27. INTERSECTION/JUNCTION TRAFFIC CONTROL (131)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

28. AADT (79) FOR EACH INTERSECTING ROAD

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

29. AADT YEAR (80) FOR EACH INTERSECTING ROAD

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

30. UNIQUE APPROACH IDENTIFIER (139)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

ARTERIAL AND COLLECTOR PAVED ROADS-INTERCHANGE/RAMP (FUNCTIONAL CLASSIFICATION 1-6)

31. UNIQUE INTERCHANGE IDENTIFIER (178)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

32. LOCATION IDENTIFIER FOR ROADWAY AT BEGINNING RAMP TERMINAL (197)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

33. LOCATION IDENTIFIER FOR ROADWAY AT ENDING RAMP TERMINAL (201)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

34. RAMP LENGTH (187)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

35. ROADWAY TYPE AT BEGINNING RAMP TERMINAL (195)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

36. ROADWAY TYPE AT ENDING RAMP TERMINAL (199)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

37. INTERCHANGE TYPE (182)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

38. RAMP AADT (191)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

39. YEAR OF RAMP AADT (192)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

40. FUNCTIONAL CLASS (19)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

41. TYPE OF GOVERNMENT OWNERSHIP (4)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

LOCAL ACCESS PAVED ROADS-ROADWAY SEGMENT (FUNCTIONAL CLASSIFICATION 7)

42. SEGMENT IDENTIFIER (12)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

43. FUNCTIONAL CLASS (19)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

44. SURFACE TYPE (23)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

45. TYPE OF GOVERNMENT OWNERSHIP (4)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

46. NUMBER OF THROUGH LANES (31)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

47. AVERAGE ANNUAL DAILY TRAFFIC (79)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

48. BEGIN POINT SEGMENT DESCRIPTOR (10)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

49. END POINT SEGMENT DESCRIPTOR (11)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

50. RURAL/URBAN DESIGNATION (20)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

ALL FUNCTIONAL CLASS UNPAVED ROADS-ROADWAY (FUNCTIONAL CLASSIFICATION 1-7)

51. SEGMENT IDENTIFIER (12)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

52. FUNCTIONAL CLASS (19)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

53. TYPE OF GOVERNMENT OWNERSHIP (4)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

54. BEGIN POINT SEGMENT DESCRIPTOR (10)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

55. END POINT SEGMENT DESCRIPTOR (11)

- [ ] OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
- [ ] OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
- [ ] OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

Other (please specify)

56. If you have any general questions, comments or would like to be kept in the loop as this process continues, please let us know, here.

WSDOT Model Inventory of Roadway Elements (MIRE) Fundamental Data Elements (FDE) Survey Summary

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Question 4 15

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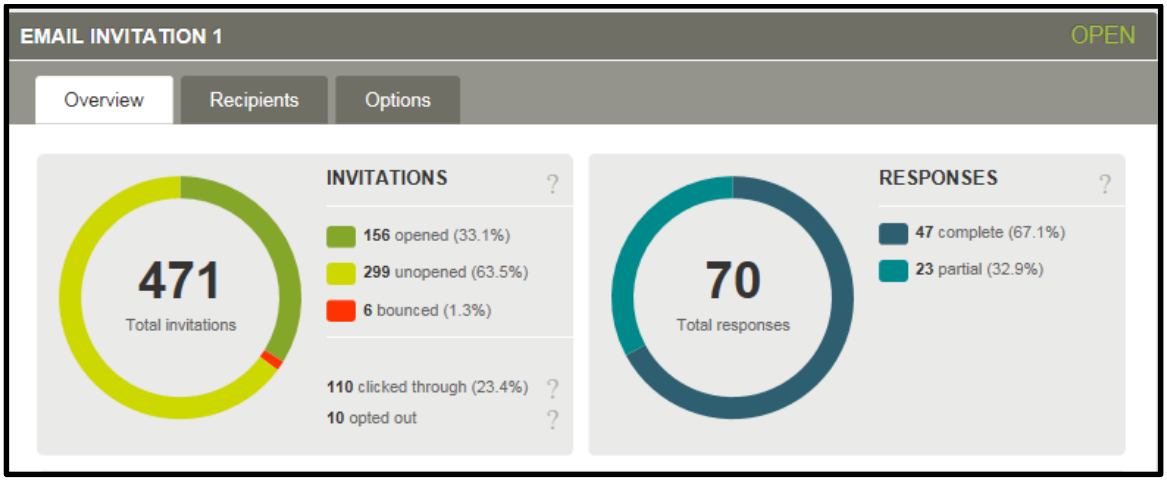
Introduction

The MIRE FDEs are categorized by functional classification (FC) and surface type. The total number of FDEs is 51 required by FHWA. The FDEs are sub-categorized to five categories. The subcategories and their number of FDEs are listed below:

- ARTERIAL AND COLLECTOR PAVED ROADS-ROADWAY SEGMENT (FUNCTIONAL CLASSIFICATION 1-6) – 18
- ARTERIAL AND COLLECTOR PAVED ROADS-INTERSECTION (FUNCTIONAL CLASSIFICATION 1-6) – 8
- ARTERIAL AND COLLECTOR PAVED ROADS-INTERCHANGE/RAMP (FUNCTIONAL CLASSIFICATION 1-6) – 11
- LOCAL ACCESS PAVED ROADS-ROADWAY SEGMENT (FUNCTIONAL CLASSIFICATION 7) – 9
- ALL FUNCTIONAL CLASS UNPAVED ROADS-ROADWAY (FUNCTIONAL CLASSIFICATION 1- 7) – 5

Response Summary

Online: **70**



Paper: **2**

Total response: **72**

Number of responses exported for analysis & summary (Valid Responses): **43**

Data Availability – Basic Statistics Summary

The tables below show, among the valid 43 responses, the basic statistics of the data availability in four different answers and the combination of answers for the number of FDEs in five sub-categories.

Answer

1: OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT

2: OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT

3: OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)

4: OUR CITY DOES NOT HAVE THIS DATA AVAILABLE

	ARTERIAL AND COLLECTOR PAVED ROADS-ROADWAY SEGMENT (FUNCTIONAL CLASSIFICATION 1-6)							
	18							
	1	2	3	4	1 or 2	1 or 3	2 or 3	1 or 2 or 3
Average	6	4	3	5	8	8	6	10
Average (%)	31.7%	22.2%	16.8%	30.5%	42.6%	42.4%	35.1%	53.0%
Median	4	2	0	4	9	7	6	11
Minimum	0	0	0	0	0	0	0	0
Maximum	18	17	17	18	18	18	17	18

	ARTERIAL AND COLLECTOR PAVED ROADS-INTERSECTION (FUNCTIONAL CLASSIFICATION 1-6)							
	8							
	1	2	3	4	1 or 2	1 or 3	2 or 3	1 or 2 or 3
Average	1	1	1	5	2	2	1	2
Average (%)	13.1%	9.3%	8.7%	56.7%	19.8%	19.2%	16.9%	25.3%
Median	0	0	0	5	0	0	0	1
Minimum	0	0	0	0	0	0	0	0
Maximum	8	7	7	8	8	8	7	8

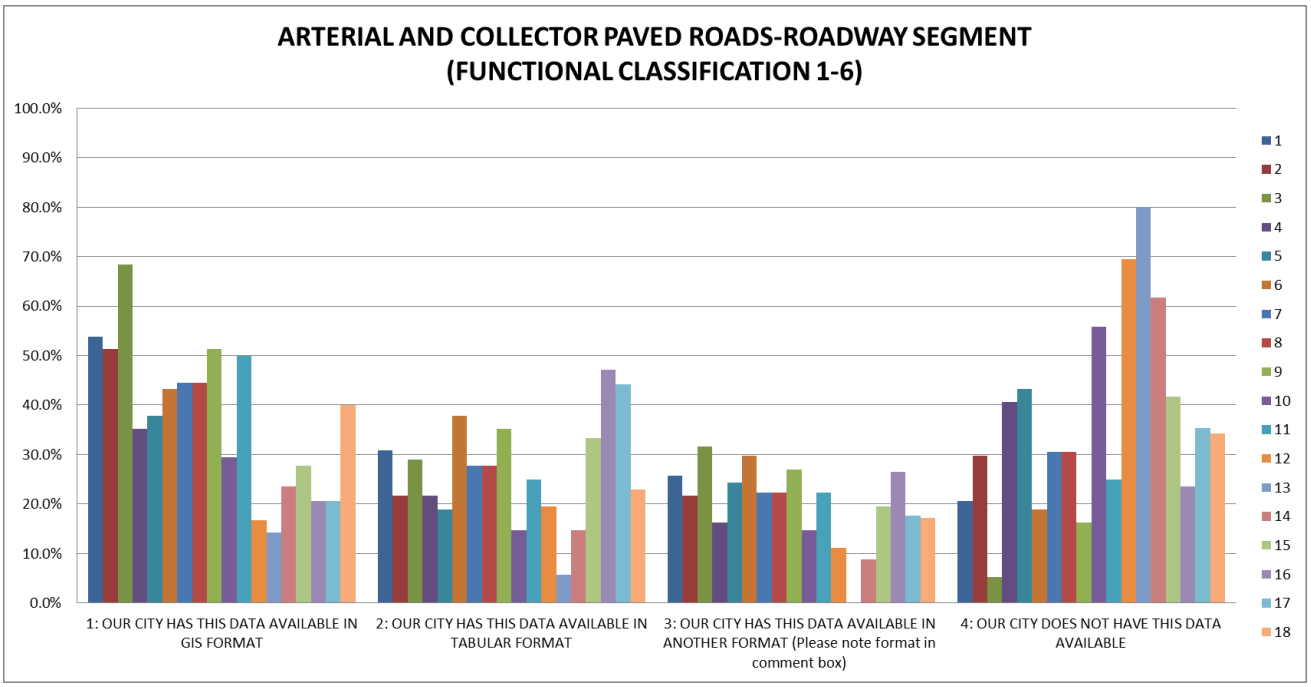
	ARTERIAL AND COLLECTOR PAVED ROADS-INTERCHANGE/RAMP (FUNCTIONAL CLASSIFICATION 1-6)							
	11							
	1	2	3	4	1 or 2	1 or 3	2 or 3	1 or 2 or 3
Average	1	1	0	8	1	1	1	1
Average (%)	7.0%	4.7%	2.5%	70.4%	10.6%	8.9%	6.8%	15.2%
Median	0	0	0	9	0	0	0	0
Minimum	0	0	0	0	0	0	0	0
Maximum	9	9	7	11	9	9	9	11

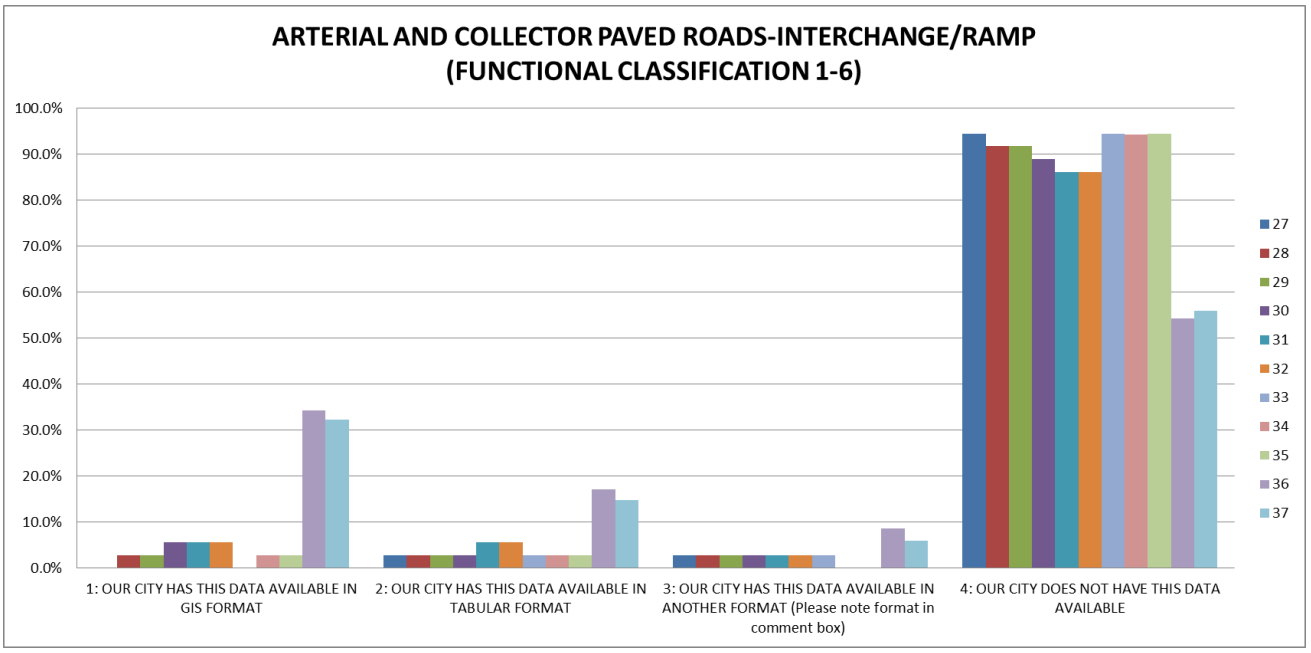
	LOCAL ACCESS PAVED ROADS-ROADWAY SEGMENT (FUNCTIONAL CLASSIFICATION 7)							
	9							
	1	2	3	4	1 or 2	1 or 3	2 or 3	1 or 2 or 3
Average	3	2	1	3	3	3	3	4
Average (%)	29.2%	19.1%	15.0%	32.3%	38.0%	35.7%	28.2%	43.9%
Median	0	0	0	1	2	2	1	4
Minimum	0	0	0	0	0	0	0	0
Maximum	9	9	9	9	9	9	9	9

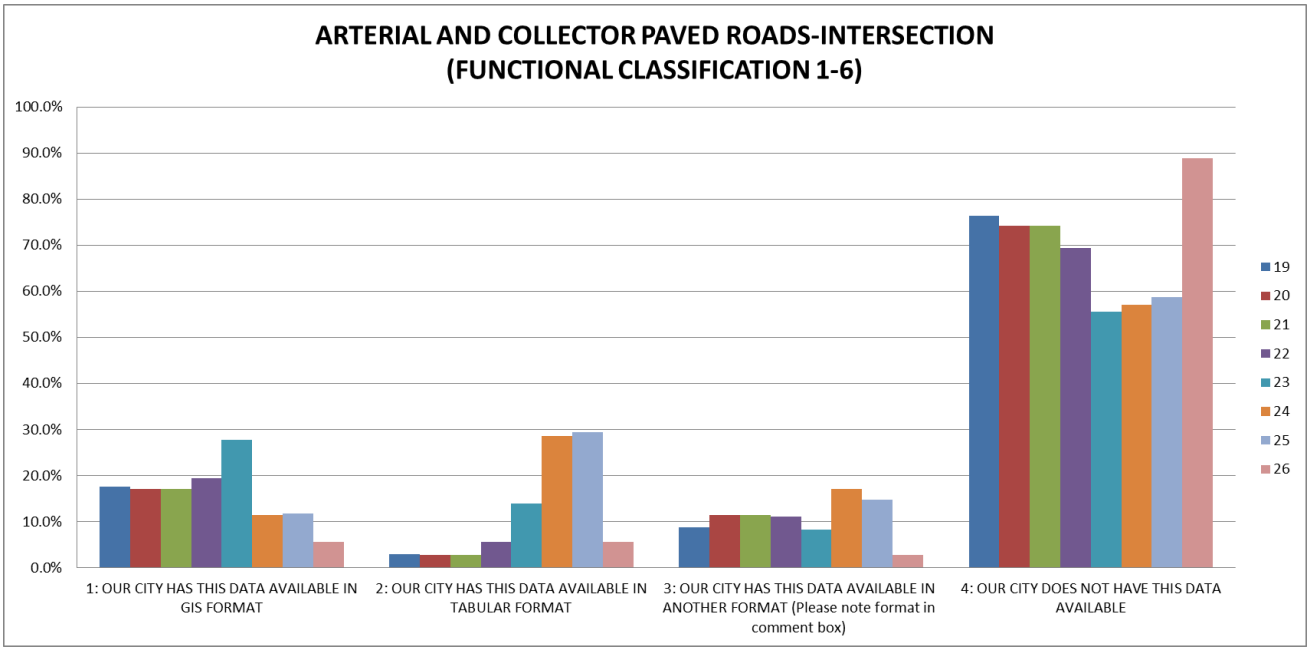
	ALL FUNCTIONAL CLASS UNPAVED ROADS-ROADWAY (FUNCTIONAL CLASSIFICATION 1- 7)							
	5							
	1	2	3	4	1 or 2	1 or 3	2 or 3	1 or 2 or 3
Average	1	1	1	2	2	2	1	2
Average (%)	27.0%	15.8%	13.5%	41.4%	32.6%	31.6%	23.3%	37.2%
Median	0	0	0	0	0	0	0	0
Minimum	0	0	0	0	0	0	0	0
Maximum	5	5	5	5	5	5	5	5

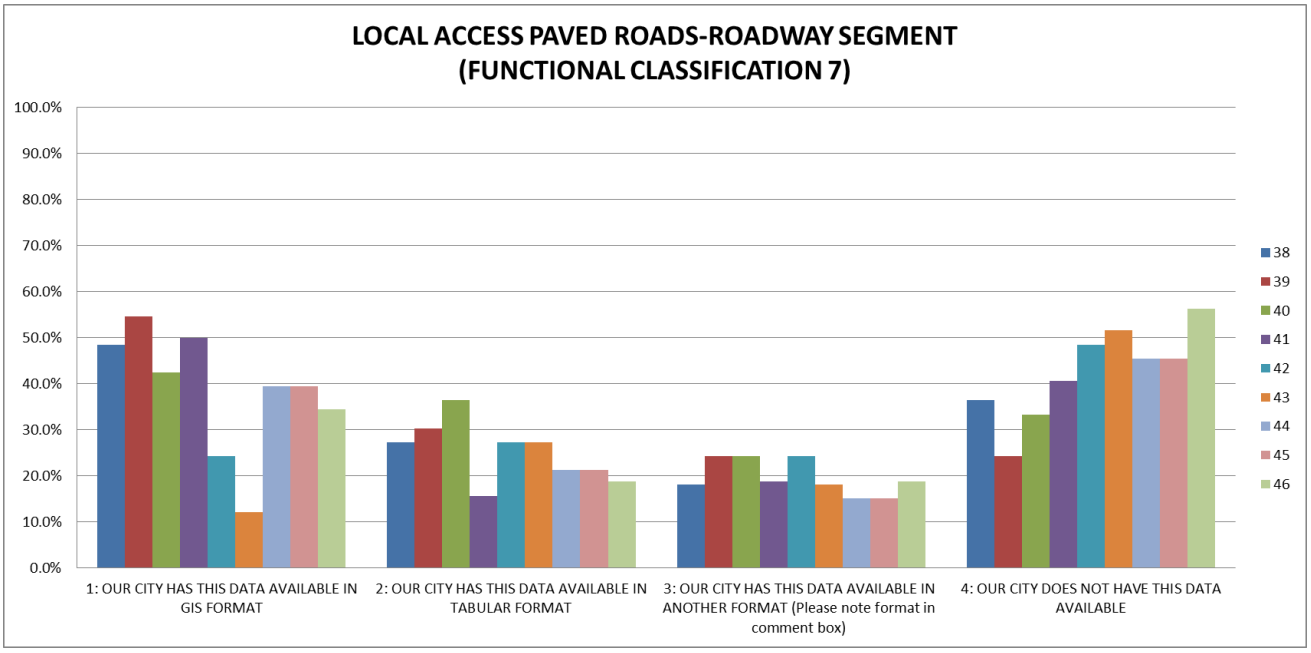
Data Availability – Answer percentages Summary

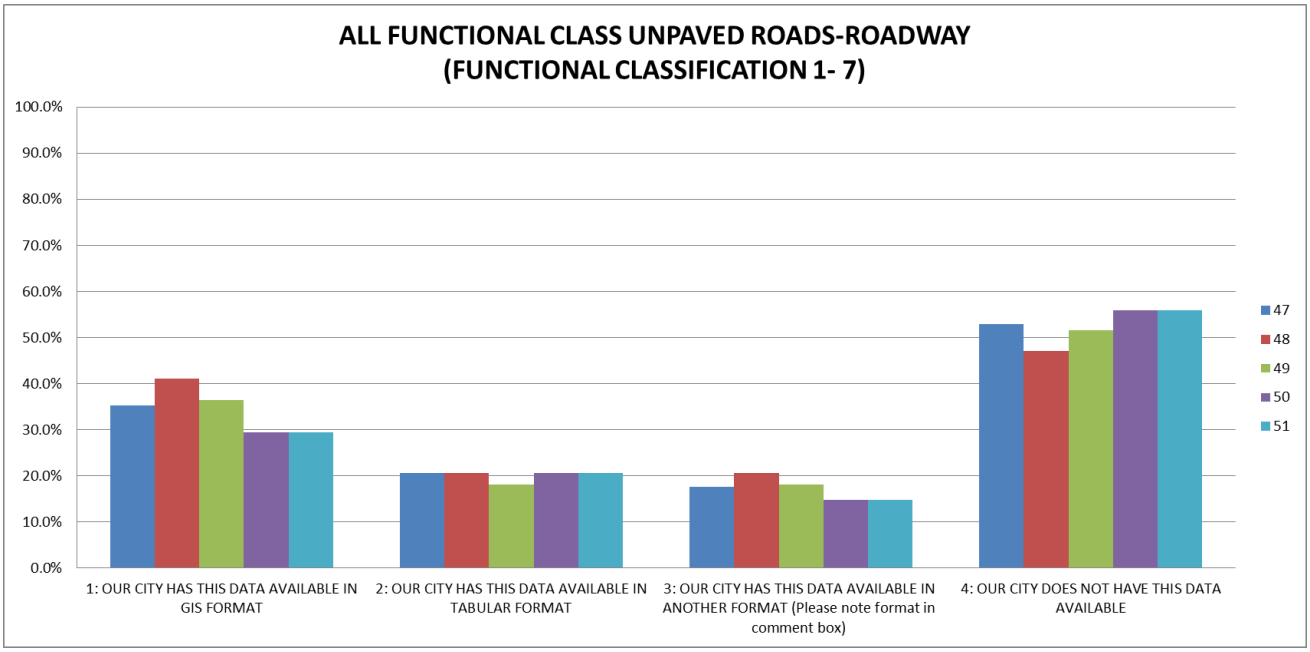
The following charts show the answer percentages for each question in five sub-categories.






ARTERIAL AND COLLECTOR PAVED ROADS-INTERSECTION
(FUNCTIONAL CLASSIFICATION 1-6)
100.0%
90.0%
80.0%
70.0%
60.0%
50.0%
40.0%
30.0%
20.0%
10.0%
0.0%
1: OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
2: OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
3: OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
4: OUR CITY DOES NOT HAVE THIS DATA AVAILABLE
19
20
21
22
23
24
25
26

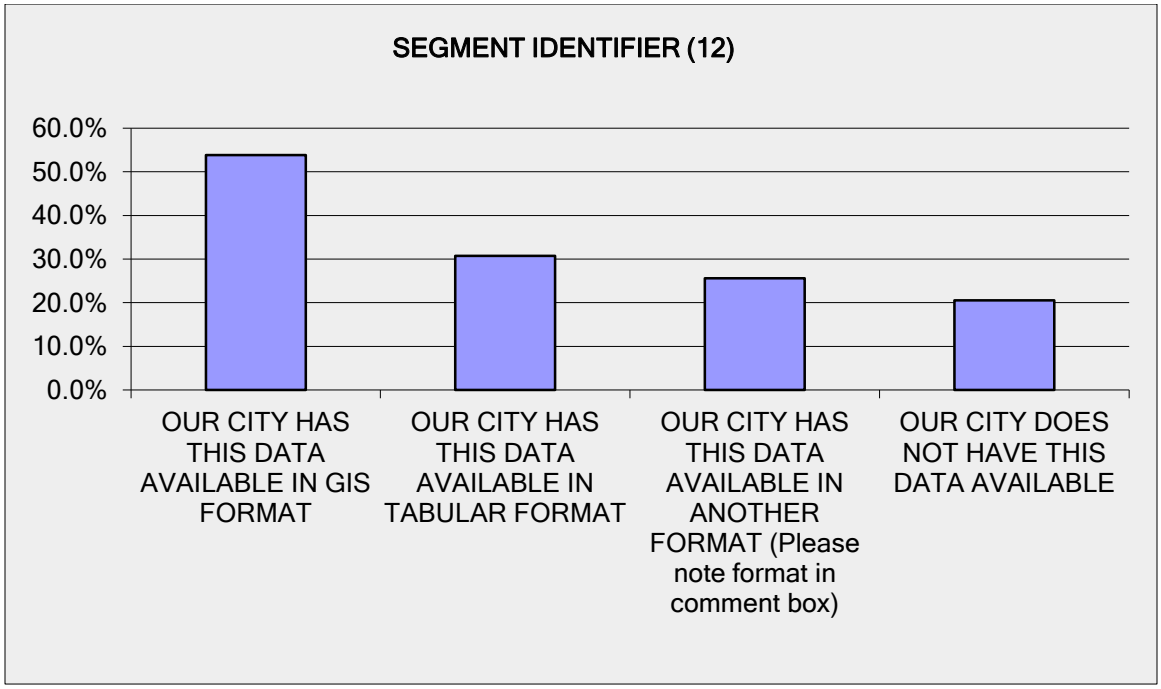

LOCAL ACCESS PAVED ROADS-ROADWAY SEGMENT
(FUNCTIONAL CLASSIFICATION 7)
100.0%
90.0%
80.0%
70.0%
60.0%
50.0%
40.0%
30.0%
20.0%
10.0%
0.0%
1: OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
2: OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
3: OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
4: OUR CITY DOES NOT HAVE THIS DATA AVAILABLE
38
39
40
41
42
43
44
45
46


ALL FUNCTIONAL CLASS UNPAVED ROADS-ROADWAY
(FUNCTIONAL CLASSIFICATION 1- 7)
100.0%
90.0%
80.0%
70.0%
60.0%
50.0%
40.0%
30.0%
20.0%
10.0%
0.0%
1: OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT
2: OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT
3: OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)
4: OUR CITY DOES NOT HAVE THIS DATA AVAILABLE
47
48
49
50
51

Data Availability – Answer percentages in Each Question

Question 1

SEGMENT IDENTIFIER (12)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	53.8%	21
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	30.8%	12
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	25.6%	10
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	20.5%	8
Other (please specify)		13
answered question (paper)		2
answered question (online)		37
skipped question		33

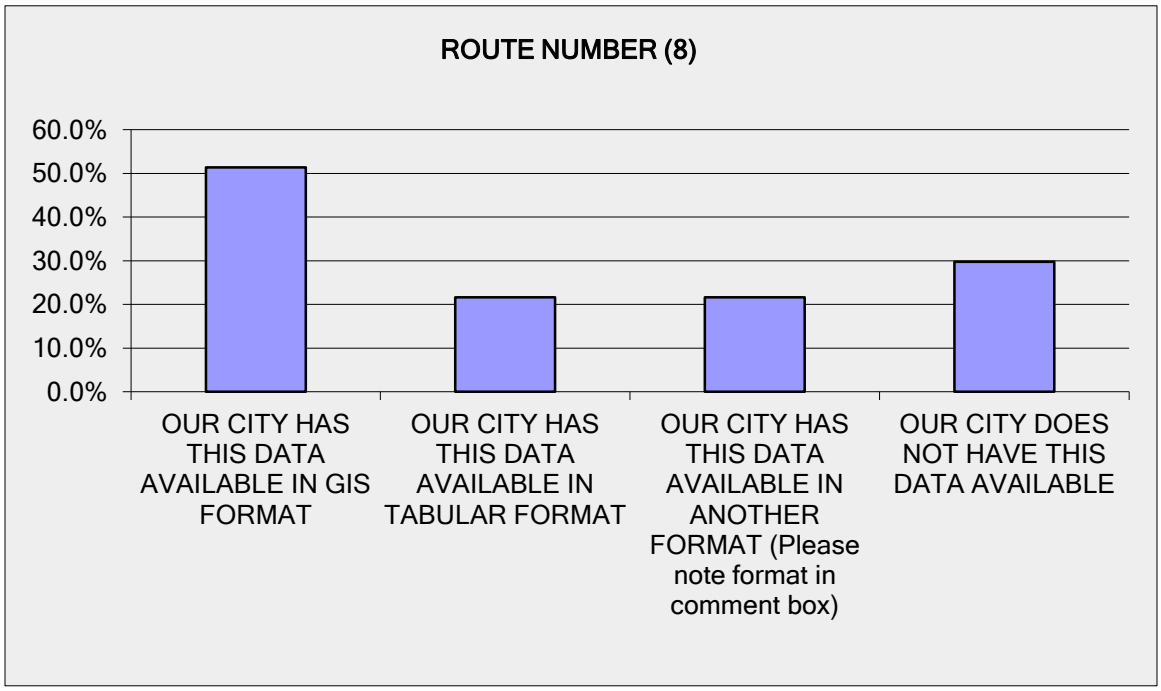


Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	Mobility (by CRAB - County Road Administration Board)
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We have an ACAD map showing arterial streets, however it needs to be updated since is doesn't match WSDOT functional classification map. We currently use the WSDOT functional classification map.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	Data is tied to the Pavement Management System in our GIS. We do not use mileposts. Segment lengths are from County tax records, but our overlay program has found these do not match actual lengths.
GRANDVIEW	jim@portofgrandview.org	The Port doesn't have any streets
BATTLE GROUND	scott.sawyer@ci.battle-ground.wa.us	WSDOT currently has our data in their GIS system.
PORT OF MATTAWA	r.adler@portofmattawa.org	We have physical maps and pdf's.
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is listed in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
MCCLEARY	toddb@cityofmccleary.com	pdf
DOUGLAS COUNTY	dbramlette@co.douglas.wa.us	Road Log
PACIFIC	lnewkirk@ci.pacific.wa.us	We have all of our city data on an AutoCAD map. We are converting it to GIS.

Question 2

ROUTE NUMBER (8)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	51.4%	19
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	21.6%	8
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	21.6%	8
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	29.7%	11
Other (please specify)		11
answered question (paper)		2
answered question (online)		35
skipped question		35

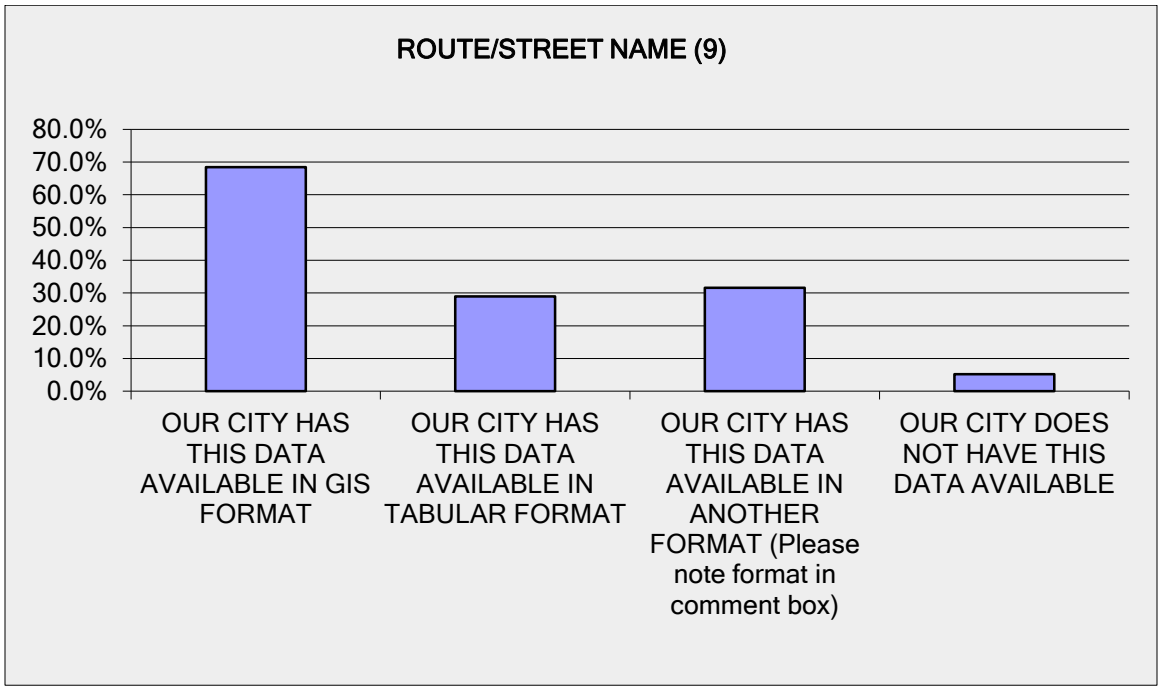


Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	Available in tabular format via HPMS
SHORELINE	tjuhnke@shorelinewa.gov	We use City Street name as opposed to State Routes which are kept by WSDOT.
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	in Mobility
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We have an ACAD map showing arterial streets, however it needs to be updated since is doesn't match WSDOT functional classification map . We currently use the WSDOT functional classification map.
BATTLE GROUND	scott.sawyer@ci.battle-ground.wa.us	WSDOT currently has our data in their GIS System.
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is listed in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
MCCLEARY	toddb@cityofmccleary.com	pdf
PACIFIC	lnewkirk@ci.pacific.wa.us	We have all of our city data on an AutoCAD map. We are converting it to GIS.

Question 3

ROUTE/STREET NAME (9)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	68.4%	26
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	28.9%	11
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	31.6%	12
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	5.3%	2
Other (please specify)		13
answered question (paper)		2
answered question (online)		36
skipped question		34

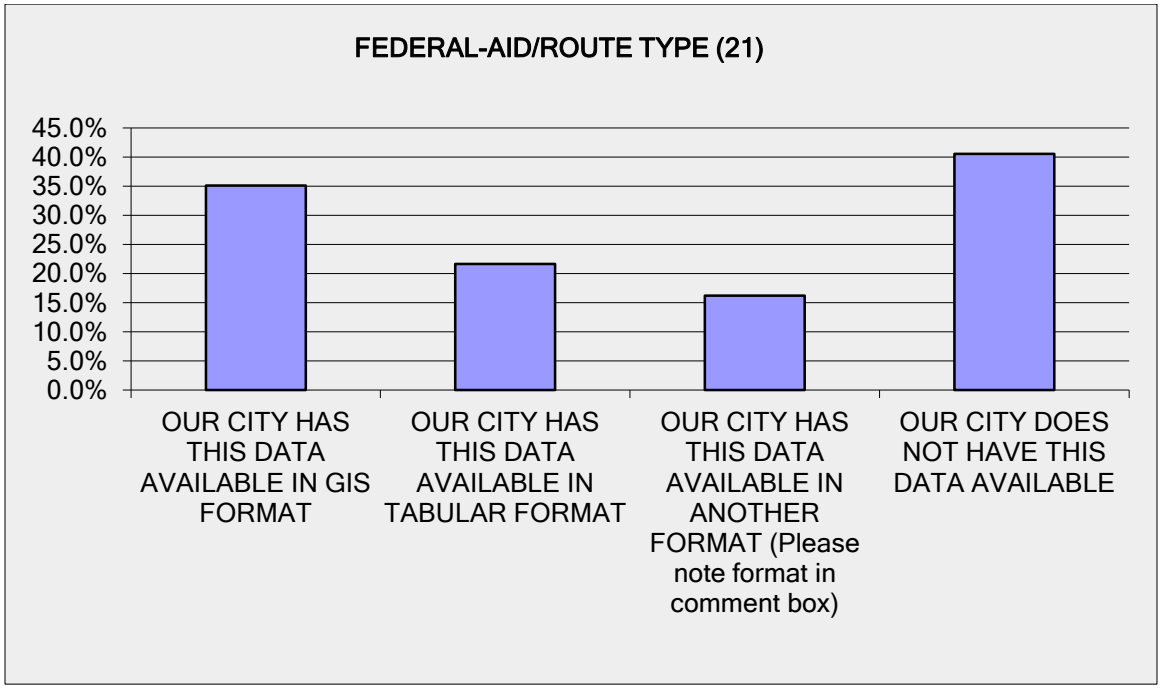


Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	in Mobility
CLERK	clerk.washtucna@gmail.com	Document
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We have an ACAD map showing arterial streets, however it needs to be updated since is doesn't match WSDOT functional classification map . We currently use the WSDOT functional classification map.
BATTLE GROUND	scott.sawyer@ci.battle-ground.wa.us	Currently available in Clark County GIS System.
PORT OF MATTAWA	r.adler@portofmattawa.org	We have physical maps and pdf's.
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is listed in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
MCCLEARY	toddb@cityofmccleary.com	pdf
PACIFIC	lnewkirk@ci.pacific.wa.us	We have all of our city data on an AutoCAD map. We are converting it to GIS.
WSDOT	EndersM@wsdot.wa.gov	JPEG, Excel
OLYMPIA	rwesselm@ci.olympia.wa.us	JPEG, Excel
KENMORE	bschock@kenmorewa.gov	JPEG, Excel

Question 4

FEDERAL-AID/ROUTE TYPE (21)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	35.1%	13
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	21.6%	8
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	16.2%	6
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	40.5%	15
Other (please specify)		9
answered question (paper)		2
answered question (online)		35
skipped question		37

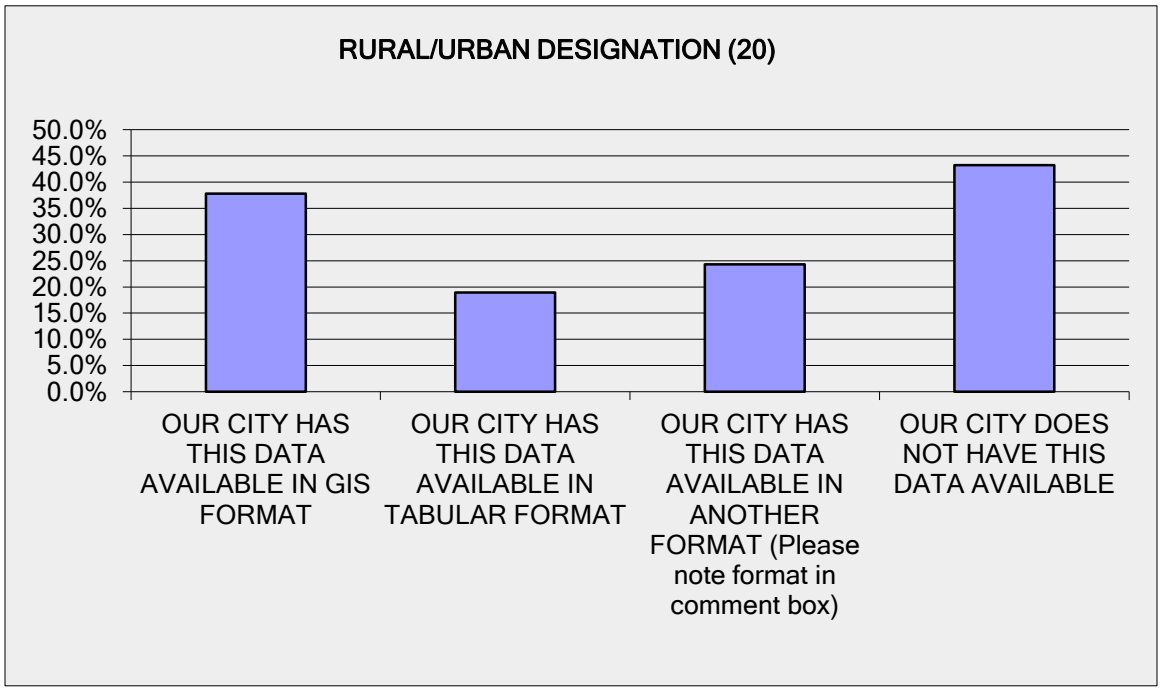


Notes in Comment Box

ID	Email Address	Comment
PIERCE COUNTY	cbui@co.pierce.wa.us	As a database - software "Mobility" provided by the Washington State County Road Administration Board (CRAB). Data maintained by the each county and periodically turned over to CRAB.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	I believe this information is located on WSDOT's or FHWA's website where we confirm fed-aid route types. They are in our database, but we verify if changes have occurred through this other website.
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We currently use the WSDOT functional classification map.
BATTLE GROUND	scott.sawyer@ci.battle-ground.wa.us	Currently available in WSDOT GIS System.
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is listed in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
MCCLEARY	toddb@cityofmccleary.com	pdf
PACIFIC	lnewkirk@ci.pacific.wa.us	We have all of our city data on an AutoCAD map. We are converting it to GIS.

Question 5

RURAL/URBAN DESIGNATION (20)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	37.8%	14
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	18.9%	7
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	24.3%	9
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	43.2%	16
Other (please specify)		14
answered question (paper)		2
answered question (online)		35
skipped question		35

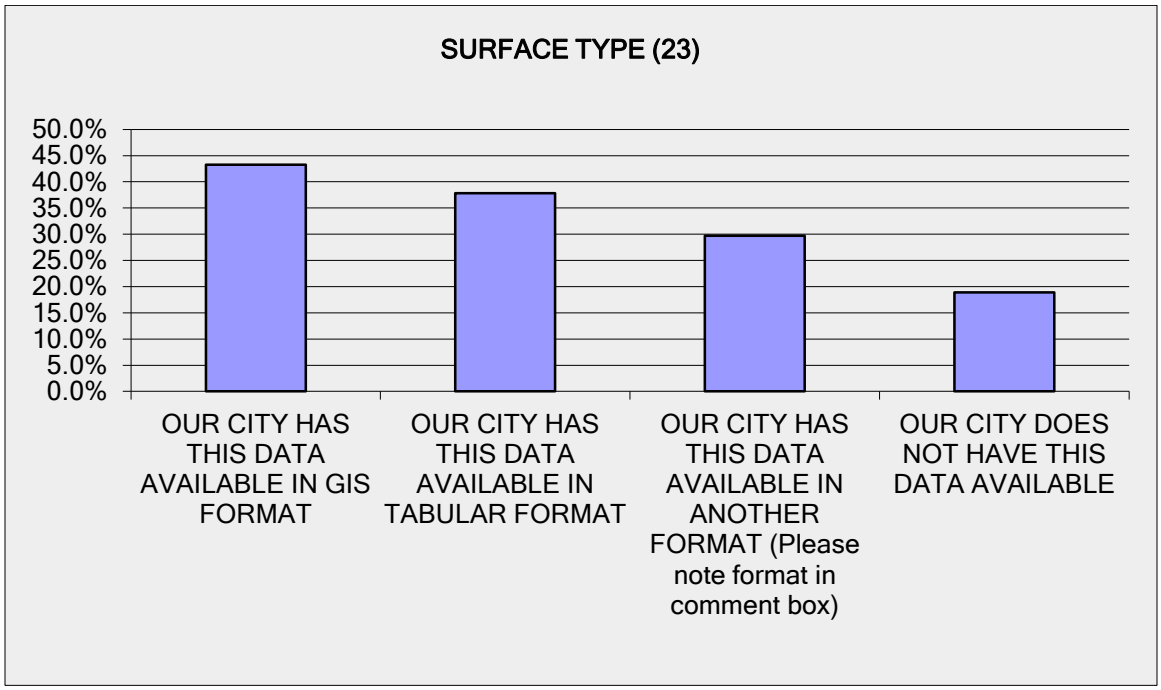


Notes in Comment Box

ID	Email Address	Comment
KIRKLAND	MSoares@kirklandwa.gov	All streets in Kirkland are urban
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
SHORELINE	tjuhnke@shorelinewa.gov	No rural designation in Shoreline
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	Dictated from the Arterial Atlas and Comprehensive plan by the Urban Growth Boundary (UGB) It may also be in Mobility
CLERK	clerk.washtucna@gmail.com	Document
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We currently use the WSDOT functional classification map.
CAMUS	jcarothers@cityofcamas.us	This information is probably available on a city map.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	But we're entirely urban.
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is listed in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
PACIFIC	lnewkirk@ci.pacific.wa.us	We have all of our city data on an AutoCAD map. We are converting it to GIS.
WSDOT	EndersM@wsdot.wa.gov	JPEG
OLYMPIA	rwesselm@ci.olympia.wa.us	JPEG
KENMORE	bschock@kenmorewa.gov	JPEG

Question 6

SURFACE TYPE (23)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	43.2%	16
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	37.8%	14
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	29.7%	11
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	18.9%	7
Other (please specify)		14
answered question (paper)		2
answered question (online)		35
skipped question		35

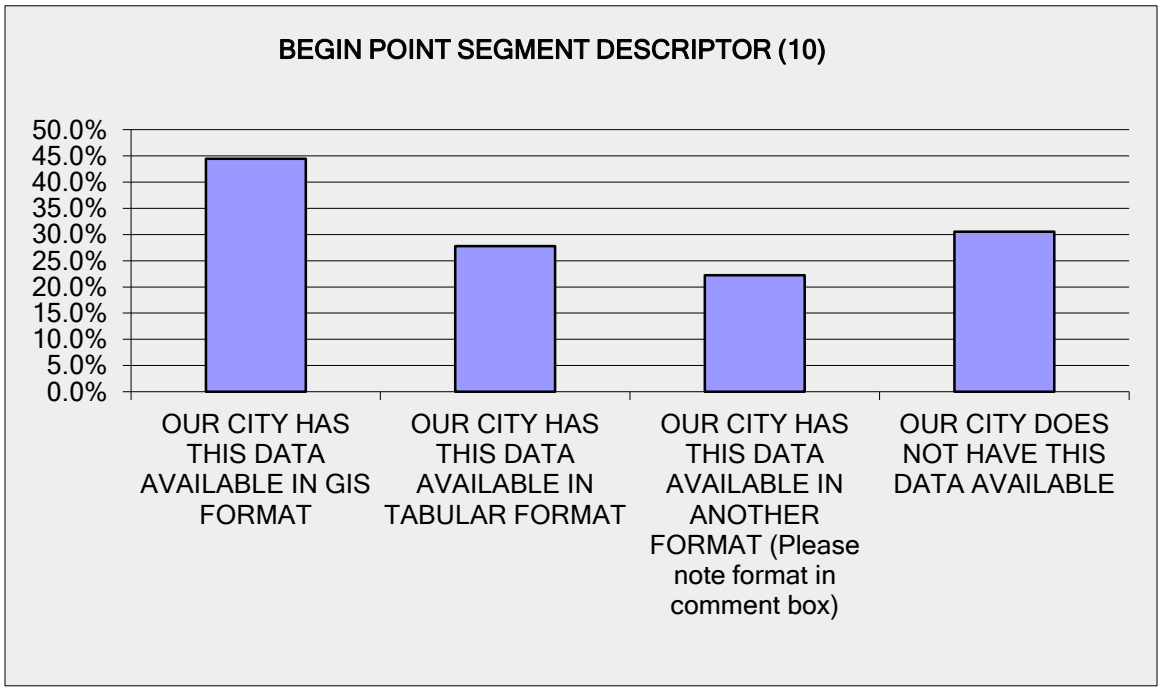


Notes in Comment Box

ID	Email Address	Comment
KIRKLAND	MSoares@kirklandwa.gov	Pavement management system data
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	This detail is located in our Pavement Management software, but could be converted to GIS or other tabular forms
CLERK	clerk.washtucna@gmail.com	Document
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
REDMOND	RCRITTENDEN@REDMOND.GOV	Streetsaver
PULLMAN	kevin.gardes@pullman-wa.gov	We currently use the WSDOT functional classification map.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	Only lists top course.
BATTLE GROUND	scott.sawyer@ci.battle-ground.wa.us	All City roads are asphalt.
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is listed in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
MCCLEARY	toddb@cityofmccleary.com	pdf
DOUGLAS COUNTY	dbramlette@co.douglas.wa.us	Road Log

Question 7

BEGIN POINT SEGMENT DESCRIPTOR (10)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	44.4%	16
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	27.8%	10
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	22.2%	8
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	30.6%	11
Other (please specify)		10
answered question (paper)		2
answered question (online)		34
skipped question		36

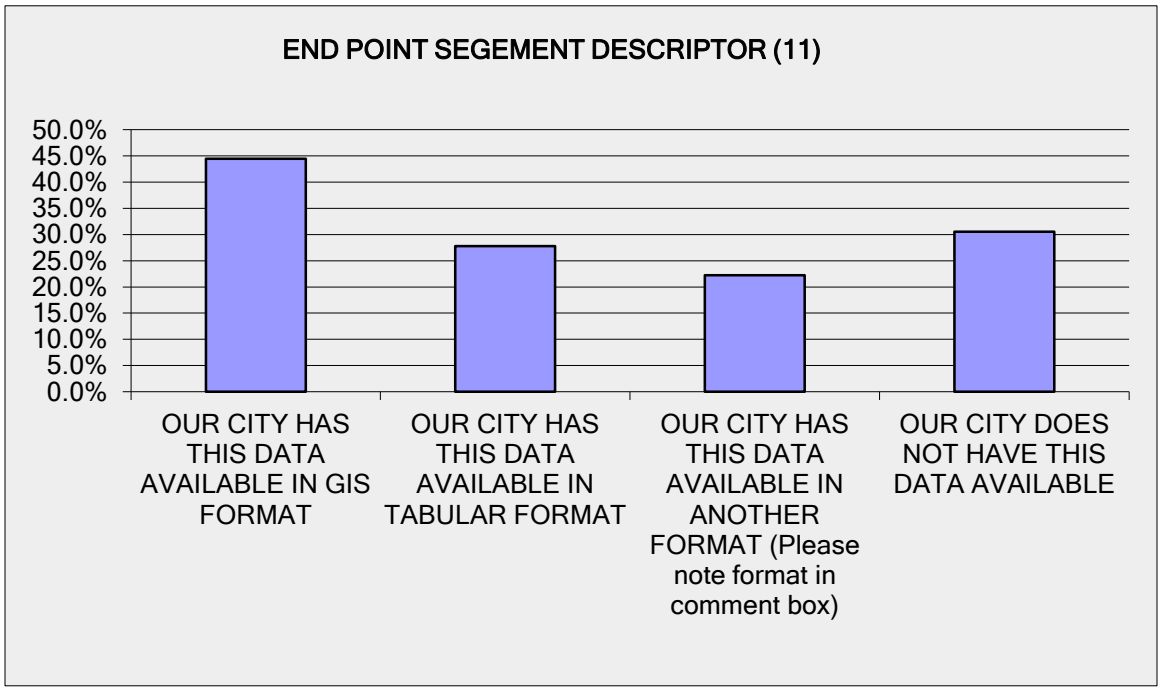


Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	unknown
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We have an ACAD map showing arterial streets, however it needs to be updated since is doesn't match WSDOT functional classification map . We currently use the WSDOT functional classification map.
BATTLE GROUND	scott.sawyer@ci.battle-ground.wa.us	Information available in WSDOT GIS system.
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is listed in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
MCCLEARY	toddb@cityofmccleary.com	pdf
DOUGLAS COUNTY	dbramlette@co.douglas.wa.us	Road Log

Question 8

END POINT SEGEMENT DESCRIPTOR (11)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	44.4%	16
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	27.8%	10
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	22.2%	8
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	30.6%	11
Other (please specify)		10
answered question (paper)		2
answered question (online)		34
skipped question		36

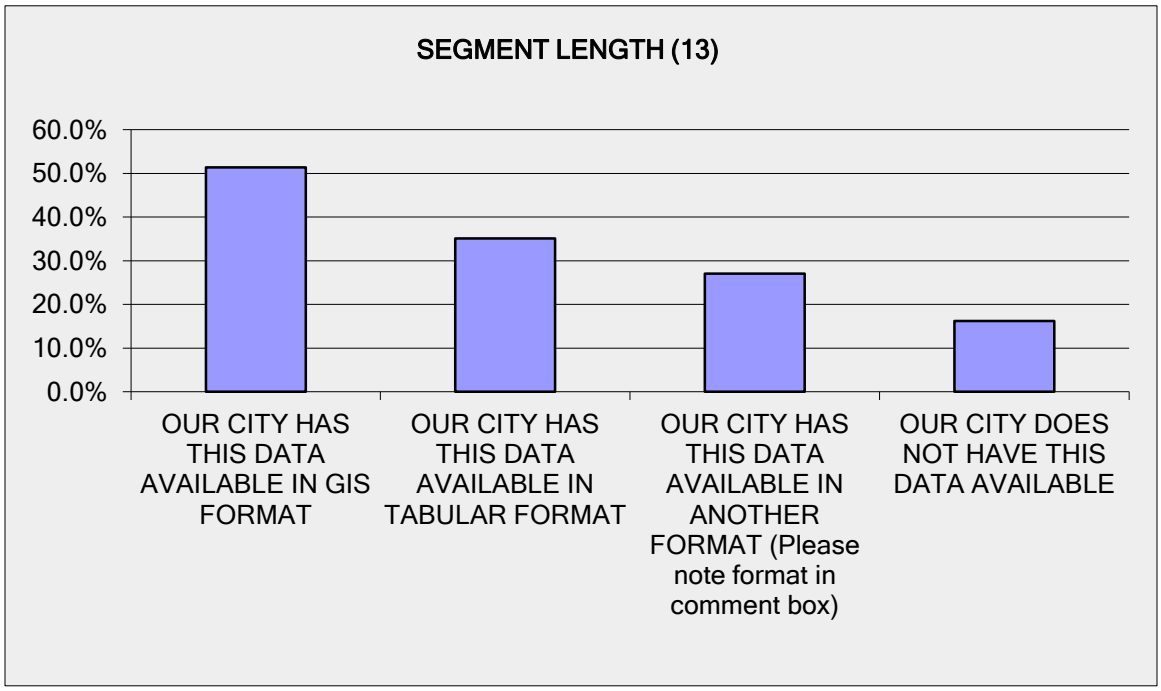


Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	unknown
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We have an ACAD map showing arterial streets, however it needs to be updated since is doesn't match WSDOT functional classification map . We currently use the WSDOT functional classification map.
BATTLE GROUND	scott.sawyer@ci.battle-ground.wa.us	Information available in WSDOT GIS system..
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is listed in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
MCCLEARY	toddb@cityofmccleary.com	pdf
DOUGLAS COUNTY	dbramlette@co.douglas.wa.us	Road Log

Question 9

SEGMENT LENGTH (13)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	51.4%	19
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	35.1%	13
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	27.0%	10
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	16.2%	6
Other (please specify)		13
answered question (paper)		2
answered question (online)		35
skipped question		35

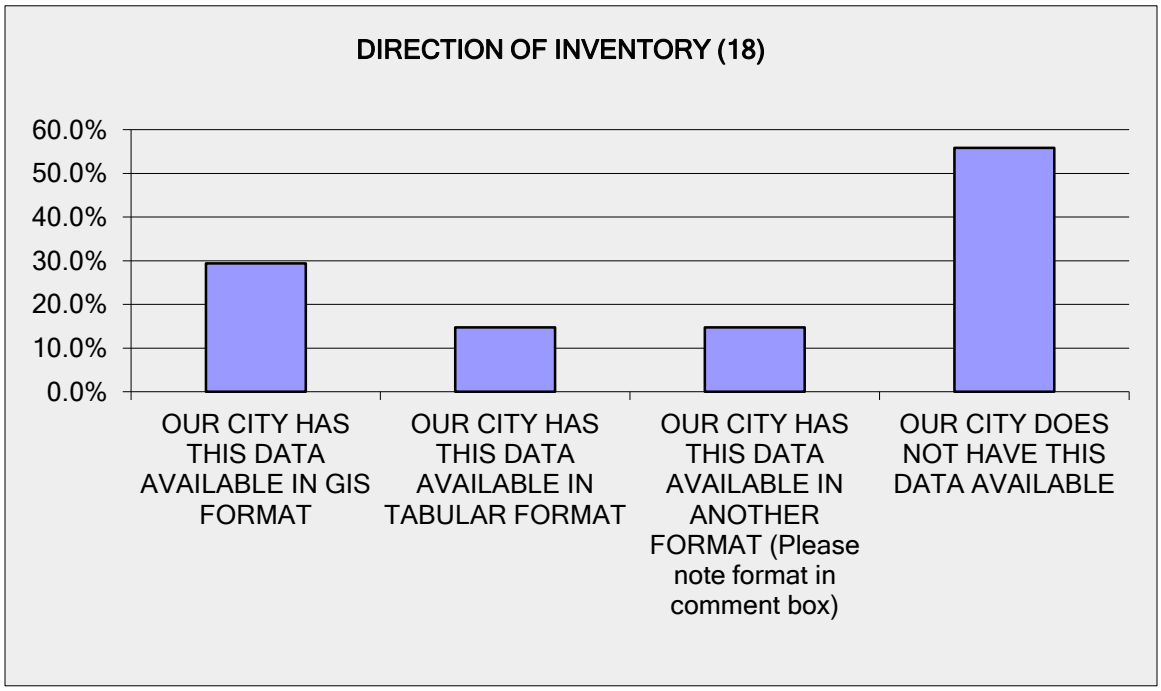


Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	located in GIS and Mobility as well as Paver (note that segment beginning and end points are not lined up exactly one for one.... (we have different identifiers and different beginning and end points - depending on what the information is being used for.
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to compile this data.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	Listed in feet, not miles. Segment lengths are from County tax records, but our overlay program has found these do not match actual lengths.
BATTLE GROUND	scott.sawyer@ci.battle-ground.wa.us	Information available in WSDOT GIS system.
PORT OF MATTAWA	r.adler@portofmattawa.org	We have physical maps and pdf's.
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is listed in the County Road Administration Board Mobility database.
VANCOUVER	rsass@everettwa.gov	It can be taken off from our GIS segment data
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
MCCLEARY	toddb@cityofmccleary.com	pdf
DOUGLAS COUNTY	dbramlette@co.douglas.wa.us	Road Log

Question 10

DIRECTION OF INVENTORY (18)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	29.4%	10
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	14.7%	5
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	14.7%	5
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	55.9%	19
Other (please specify)		8
answered question (paper)		2
answered question (online)		32
skipped question		38

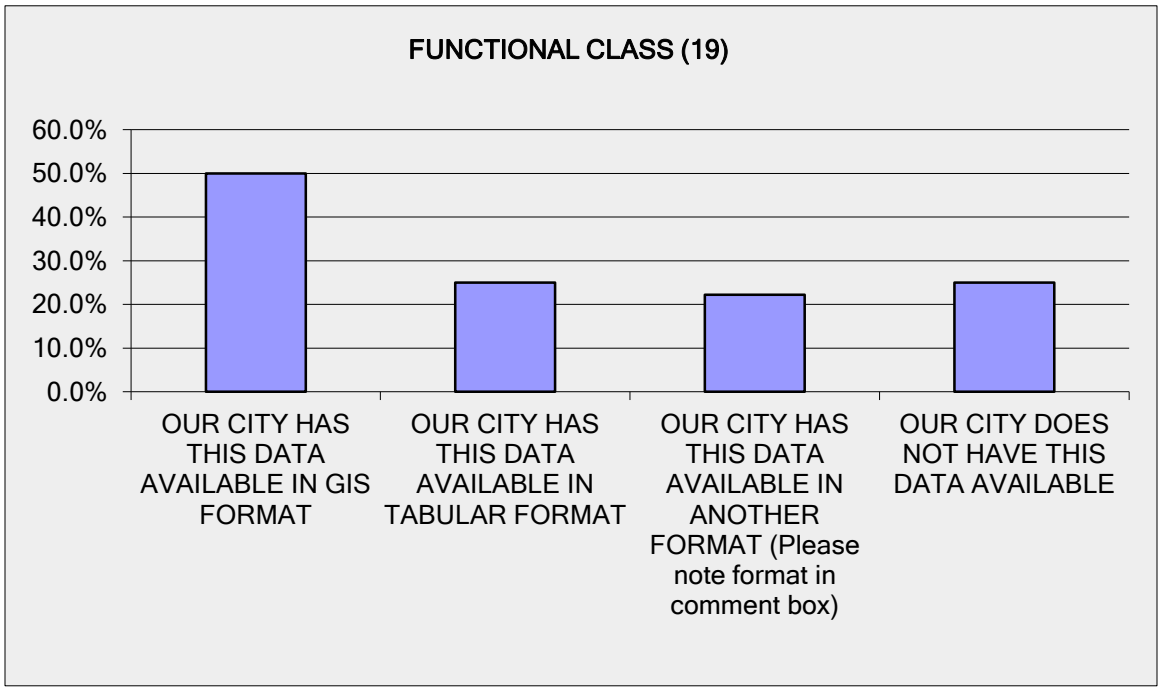


Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	unknown (assuming this means north, south, east and west...?
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
CAMUS	jcarothers@cityofcamas.us	Not sure what this is asking for.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	Divided streets are listed as one segment.
BATTLE GROUND	scott.sawyer@ci.battle-ground.wa.us	Information available in WSDOT GIS system.
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is listed in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility

Question 11

FUNCTIONAL CLASS (19)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	50.0%	18
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	25.0%	9
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	22.2%	8
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	25.0%	9
Other (please specify)		12
answered question (paper)		2
answered question (online)		34
skipped question		36

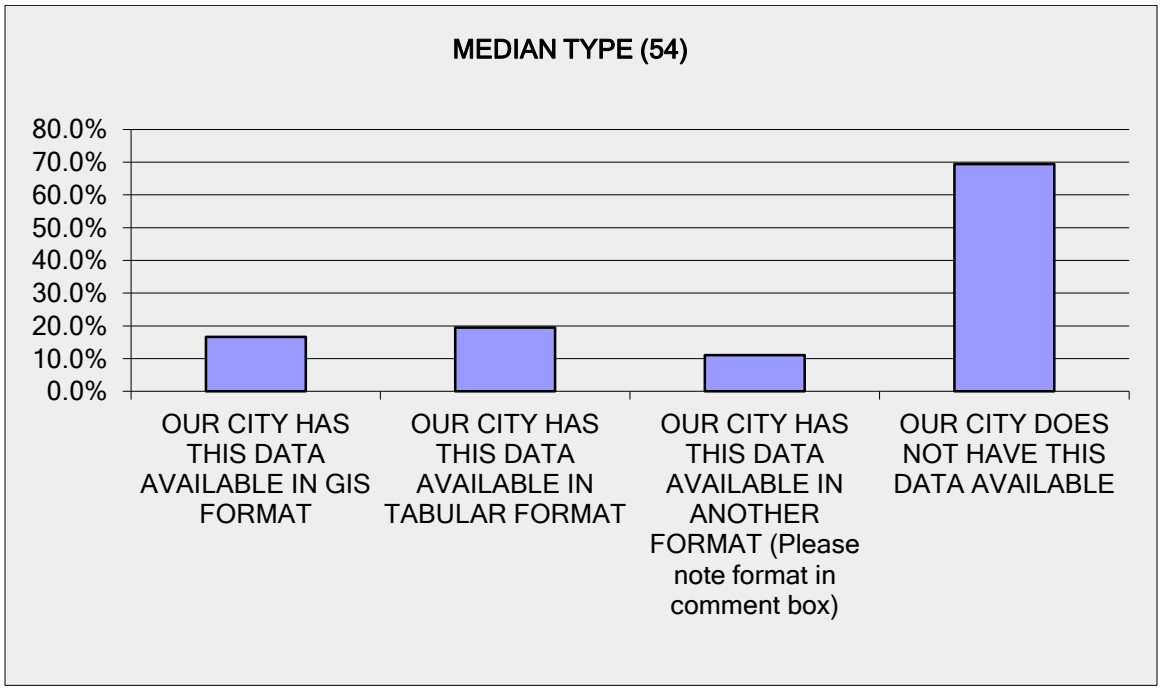


Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	located in our Arterial Atlas as well as in GIS format
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We currently use the WSDOT functional classification map.
CAMUS	jcarothers@cityofcamas.us	We are currently in the midst of updating our functional classifications. When that is done the information will be available.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	May not be updated from old City Comprehensive Plan, which may not be consistent with federal classifications.
BATTLE GROUND	scott.sawyer@ci.battle-ground.wa.us	Information available in WSDOT GIS system.
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is listed in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
MCCLEARY	toddb@cityofmccleary.com	pdf
PACIFIC	lnewkirk@ci.pacific.wa.us	We have all of our city data on an AutoCAD map. We are converting it to GIS.

Question 12

MEDIAN TYPE (54)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	16.7%	6
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	19.4%	7
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	11.1%	4
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	69.4%	25
Other (please specify)		10
answered question (paper)		2
answered question (online)		34
skipped question		36

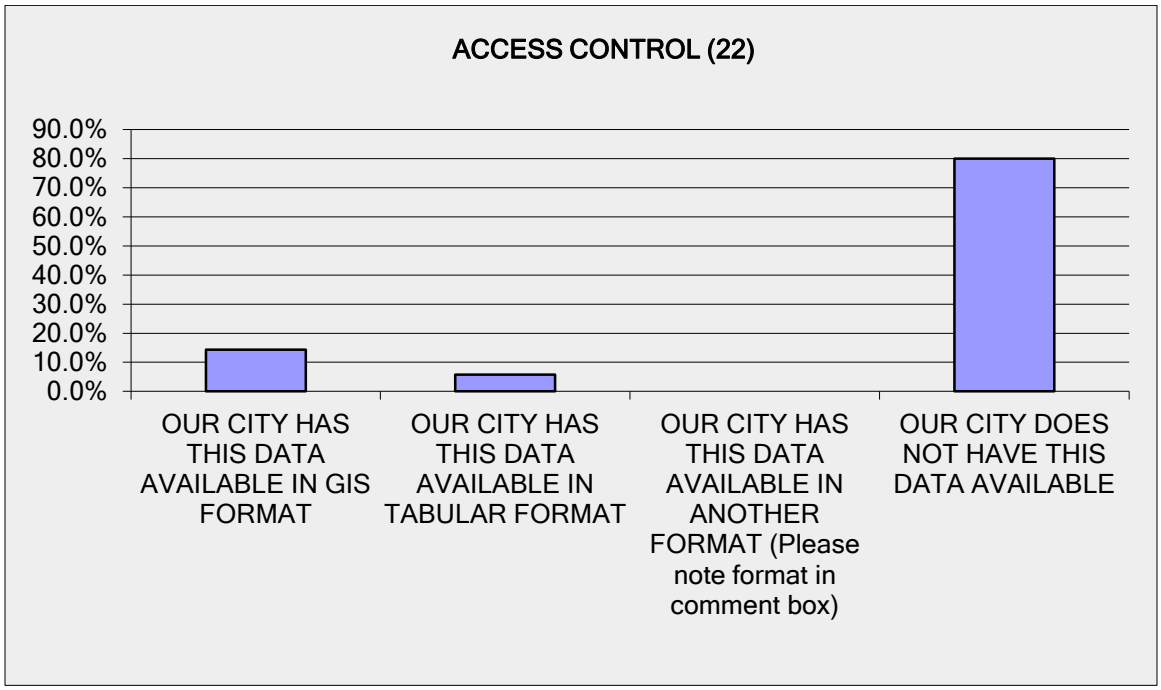


Notes in Comment Box

ID	Email Address	Comment
KIRKLAND	MSoares@kirklandwa.gov	ground cover type
SEATTLE	craig.moore@seattle.gov	The sources of this data are mixed. Certain roadways divided by impassible physical medians are represented as separate segments in the data. Other medians crossable by emergency vehicles are represented as an element of the segment.
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
EDMONDS	Bertrand.Hauss@edmondswa.gov	Project plan sheets
SHORELINE	tjuhnke@shorelinewa.gov	Some data on medians provided, but not complete data set.
PIERCE COUNTY	cbui@co.pierce.wa.us	We only have a couple of locations in the County with center median. On those, we have data on the surface type and width of such median.
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to compile this data.
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	Our County does not have any medians.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility

Question 13

ACCESS CONTROL (22)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	14.3%	5
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	5.7%	2
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	0.0%	0
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	80.0%	28
Other (please specify)		7
answered question (paper)		2
answered question (online)		33
skipped question		37

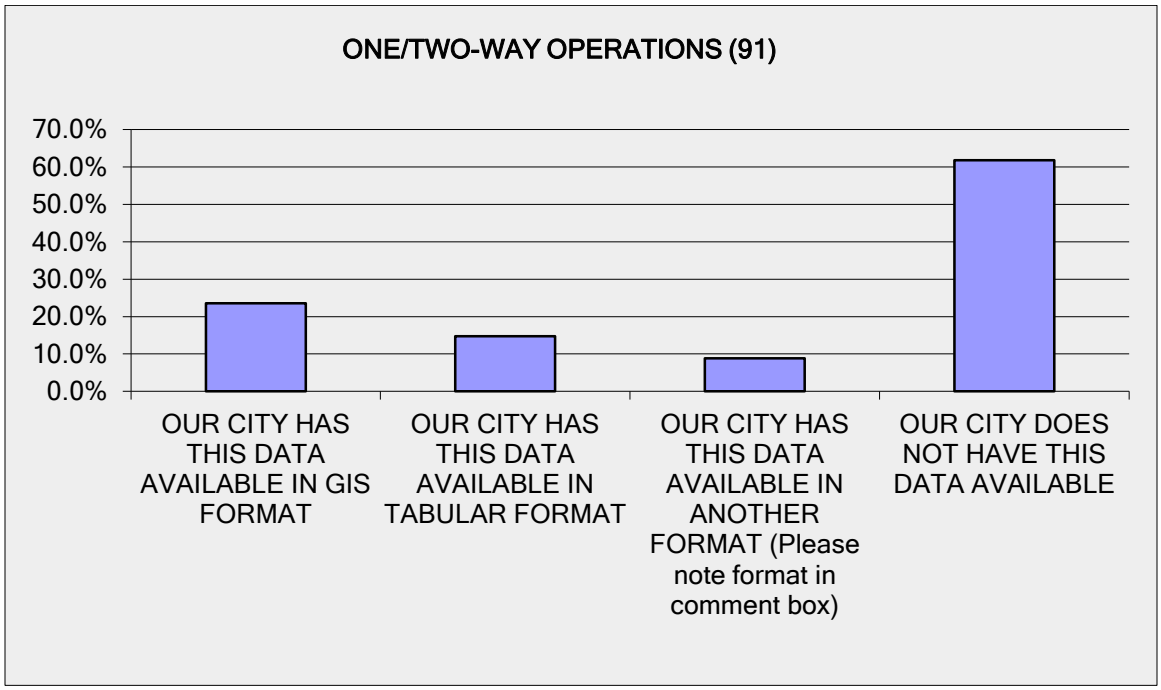


Notes in Comment Box

ID	Email Address	Comment
KIRKLAND	MSoares@kirklandwa.gov	Gates
SEATTLE	craig.moore@seattle.gov	inferred by roadway type
EDMONDS	Bertrand.Hauss@edmondswa.gov	Project plan sheets
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to compile this data.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	But we have no city-owned streets with access control.
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	We have no access control roads.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility

Question 14

ONE/TWO-WAY OPERATIONS (91)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	23.5%	8
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	14.7%	5
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	8.8%	3
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	61.8%	21
Other (please specify)		7
answered question (paper)		2
answered question (online)		32
skipped question		38

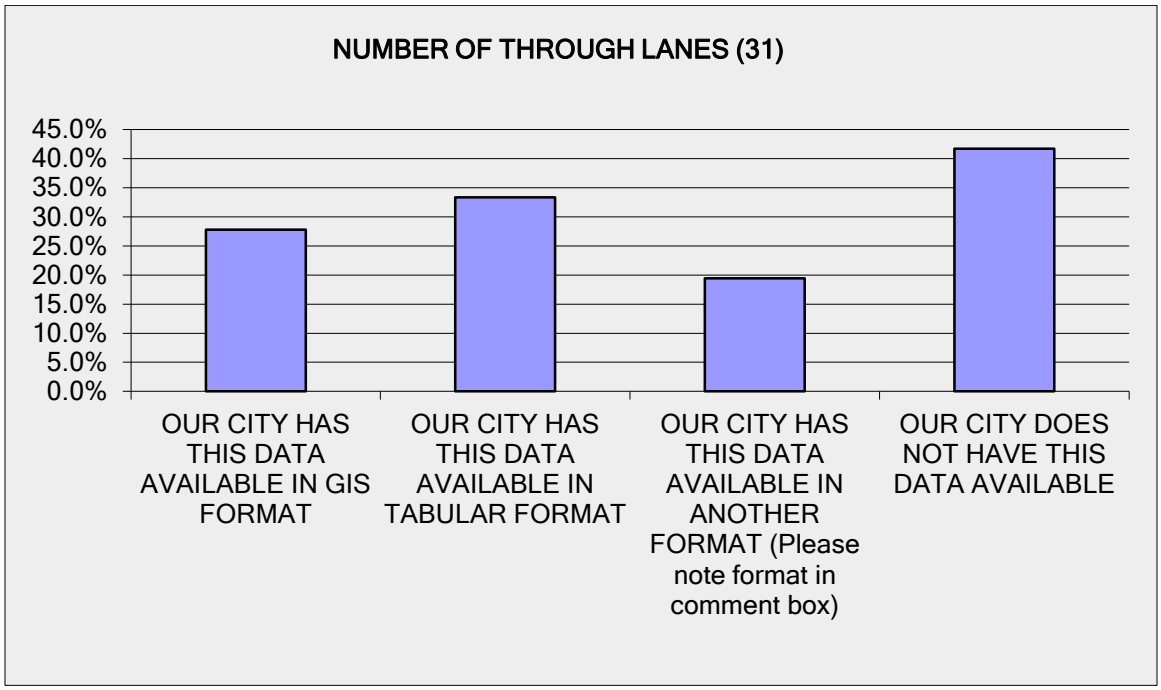


Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
SPOKANE COUNTY	PMartin@spokanecounty.org	All of our roads are two way.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	the county does not have any one-way streets
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to compile this data.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	But we only have two one-way streets.
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is shown in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility

Question 15

NUMBER OF THROUGH LANES (31)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	27.8%	10
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	33.3%	12
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	19.4%	7
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	41.7%	15
Other (please specify)		9
answered question (paper)		2
answered question (online)		34
skipped question		36

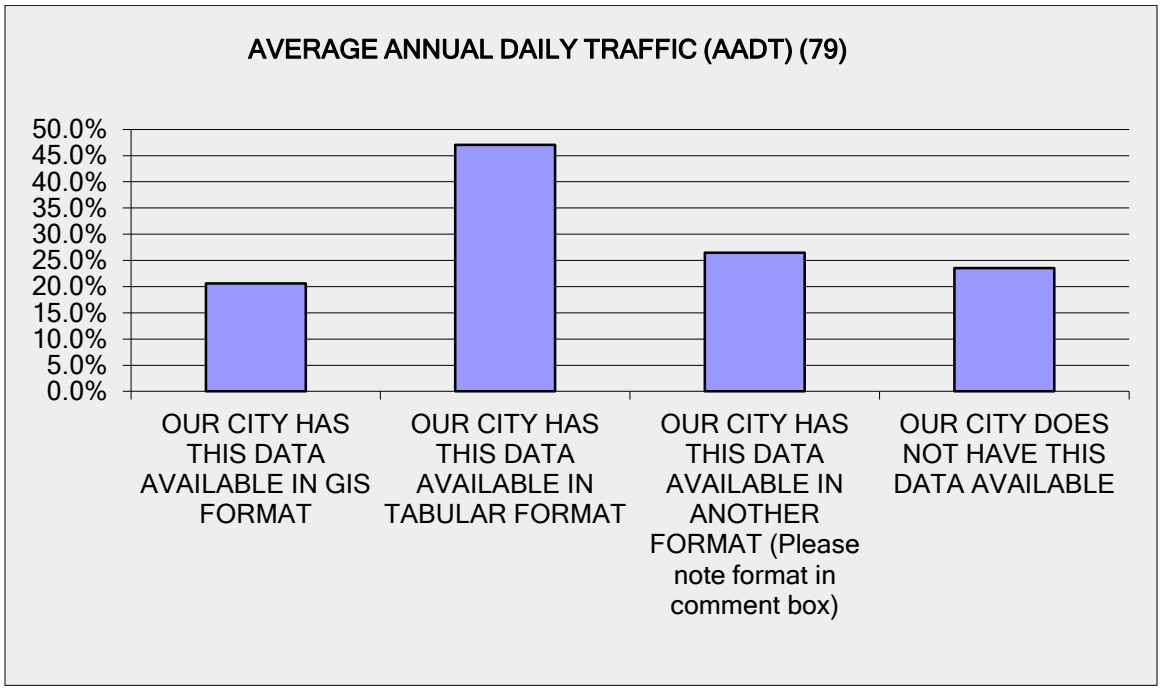


Notes in Comment Box

ID	Email Address	Comment
KIRKLAND	MSoares@kirklandwa.gov	Pavement management system data
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	In GIS, Mobility, MMS and Paver
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to compile this data.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	All multi-lane streets are mapped in Synchro.
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is shown in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility

Question 16

AVERAGE ANNUAL DAILY TRAFFIC (AADT) (79)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	20.6%	7
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	47.1%	16
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	26.5%	9
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	23.5%	8
Other (please specify)		17
answered question (paper)		2
answered question (online)		32
skipped question		38



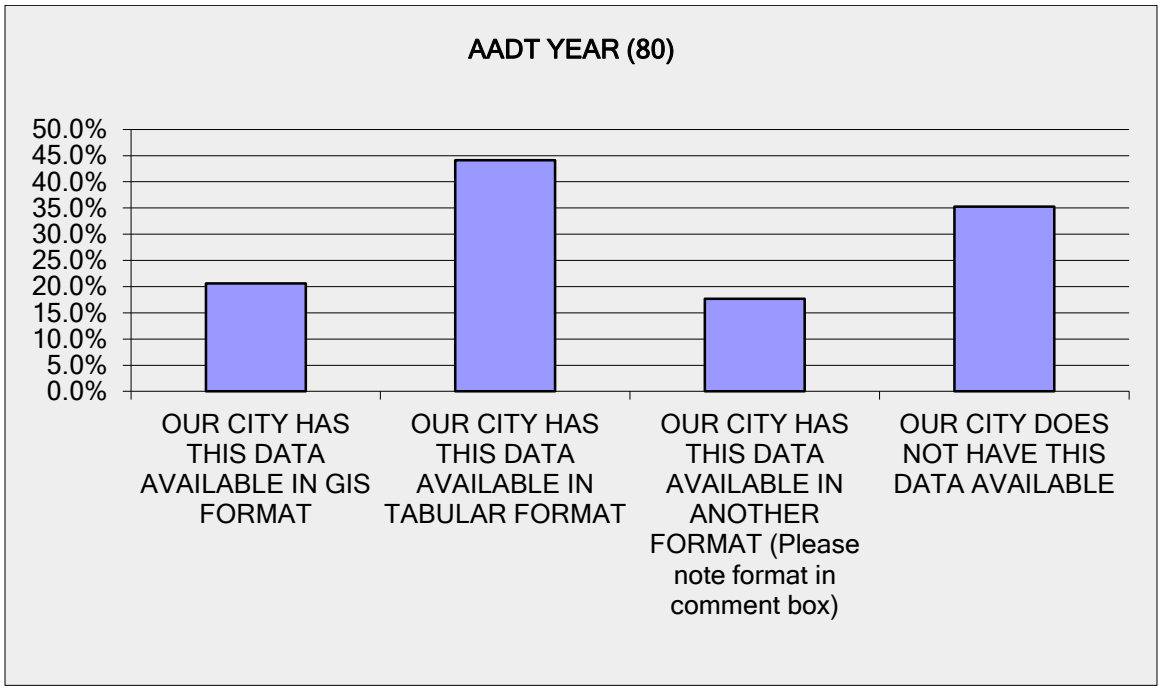
Notes in Comment Box

ID	Email Address	Comment
SEATTLE	craig.moore@seattle.gov	Not defined for each segment of the network. Values have been measured or calculated for all portions of the arterial network. Very limited data for non-arterial streets.
TUMWATER	bhicks@ci.tumwater.wa.us	We have short counts at certain intersections only.
TACOMA	jdiekmann@ci.tacoma.wa.us	This data is available for some roads
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	This goes into Paver (County), Bridgeworks (WSDOT) and Mobility. We may not have ADT information on every road or every segment. We also have some automated count stations coming on board through ITS projects.
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	We have ADT
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to go through our traffic counting records and compile this data.
CAMUS	jcarothers@cityofcamas.us	We do not have a comprehensive ADT collection program. Some information is available.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	AADT's on most segments are based on evening peak turning movement counts on arterials and major collectors and k-factors developed from tube counts stratified by land use and functional classification.
BATTLE GROUND	scott.sawyer@ci.battle-ground.wa.us	Information available via pdf of traffic studies and the Regional Transportation Council GIS system.
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is shown in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	Only on certain roads, we don't do counts on local access and we only do counts on a limited basis not year round as this role is done by an employee who does ten other things.
MCCLEARY	toddb@cityofmccleary.com	pdf
WALLA WALLA	mpuymon@wallawallawa.gov	Partial List
PORT TOWNSEND	kclow@cityofpt.us	PDF

OCEAN SHORES	nbird@osgov.com	Hard copy at various static locations throughout the City.
PACIFIC	lnewkirk@ci.pacific.wa.us	We are developing this data.

Question 17

AADT YEAR (80)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	20.6%	7
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	44.1%	15
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	17.6%	6
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	35.3%	12
Other (please specify)		12
answered question (paper)		2
answered question (online)		32
skipped question		38

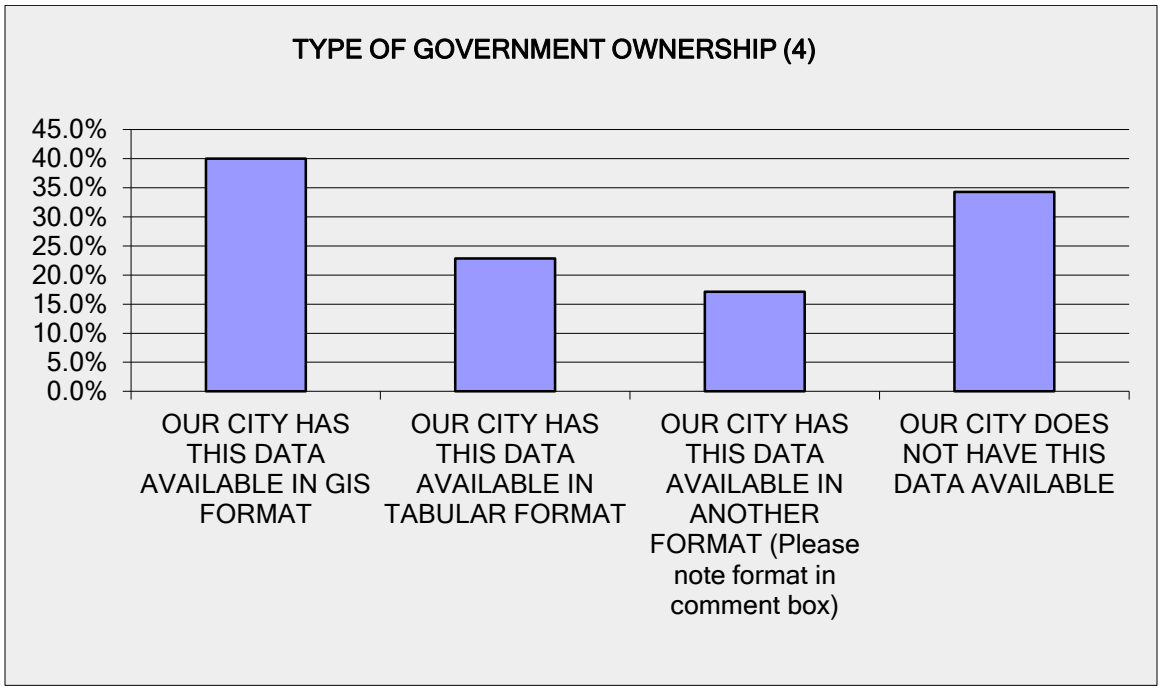


Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	This data is available for some roads
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	other than what is collected via normal ADT counts
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to go through our traffic counting records and compile this data.
CAMUS	jcarothers@cityofcamas.us	In cases where we have ADT information, the year is available.
BATTLE GROUND	scott.sawyer@ci.battle-ground.wa.us	Information available via pdf of traffic studies and the Regional Transportation Council GIS system.
SPOKANE COUNTY	rwright@spokanevalley.org	Can't understand the question.
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is shown in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	Only on certain roads, we don't do counts on local access and we only do counts on a limited basis not year round as this role is done by an employee who does ten other things.
WALLA WALLA	mpuymon@wallawallawa.gov	Partial List
OCEAN SHORES	nbird@osgov.com	Hard copy at various static locations throughout the City.
PACIFIC	lnewkirk@ci.pacific.wa.us	We are developing this data.

Question 18

TYPE OF GOVERNMENT OWNERSHIP (4)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	40.0%	14
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	22.9%	8
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	17.1%	6
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	34.3%	12
Other (please specify)		10
answered question (paper)		2
answered question (online)		33
skipped question		37

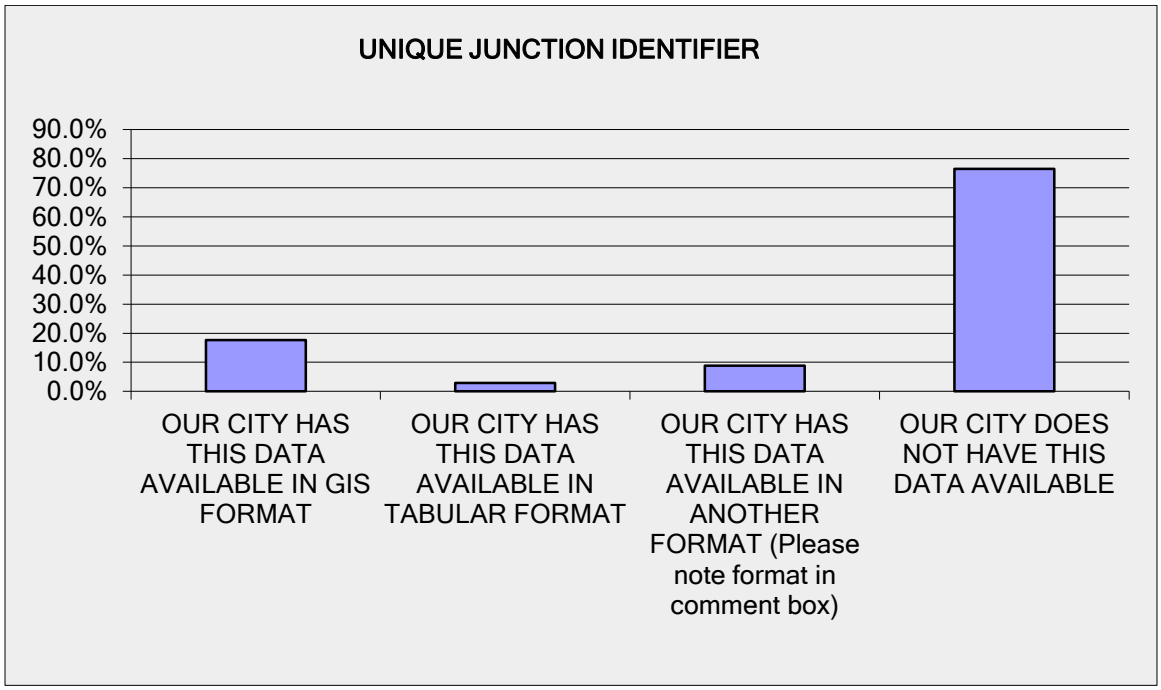


Notes in Comment Box

ID	Email Address	Comment
SEATTLE	craig.moore@seattle.gov	Not always clear for roadways with overlapping responsibilities; i.e. Aurora Ave N/SR 99
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	n/a - we are a county - not sure what question is asking....
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to compile this data.
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is shown in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
ROY	roycityhall@cityofroywa.us	local government
PACIFIC	lnewkirk@ci.pacific.wa.us	We have all of our city data on an AutoCAD map. We are converting it to GIS.
WSDOT	EndersM@wsdot.wa.gov	JPEG
OLYMPIA	rwesselm@ci.olympia.wa.us	JPEG
KENMORE	bschock@kenmorewa.gov	JPEG

Question 19

UNIQUE JUNCTION IDENTIFIER		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	17.6%	6
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	2.9%	1
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	8.8%	3
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	76.5%	26
Other (please specify)		5
answered question (paper)		2
answered question (online)		32
skipped question		38

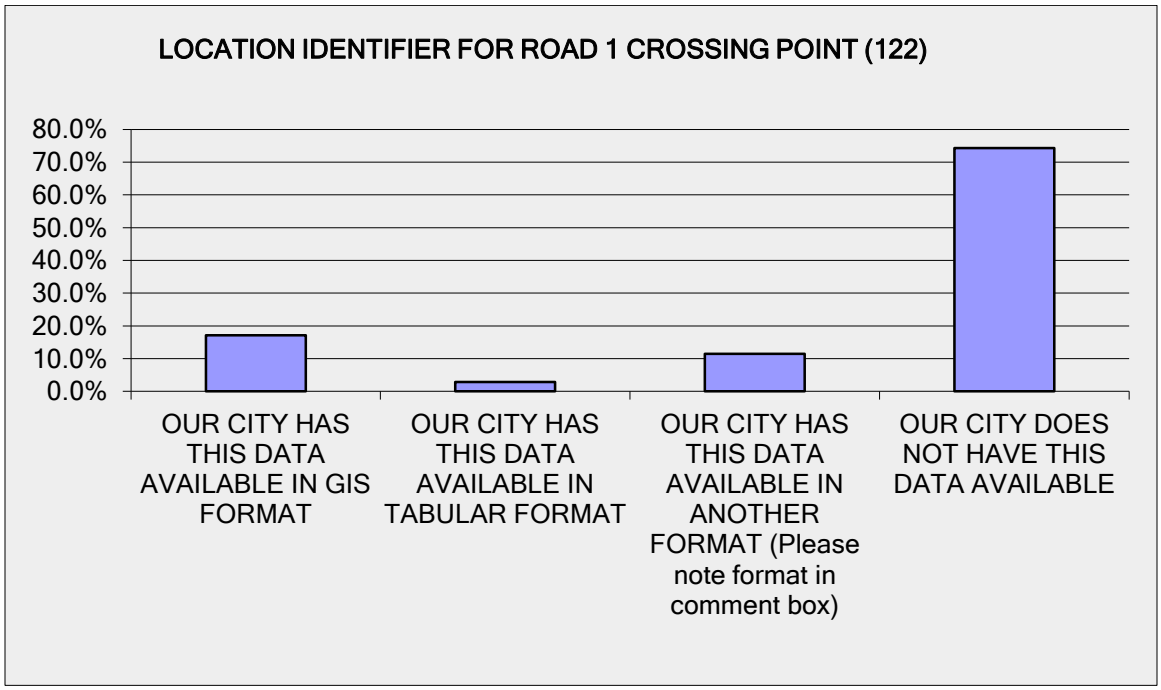


Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	Data available for signalized intersections
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	GIS, Mobility and Paver
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
FEDERAL WAY	marwan.salloum@cityoffederalway.com	In Synchro on arterials and major collectors
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility

Question 20

LOCATION IDENTIFIER FOR ROAD 1 CROSSING POINT (122)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	17.1%	6
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	2.9%	1
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	11.4%	4
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	74.3%	26
Other (please specify)		6
answered question (paper)		2
answered question (online)		33
skipped question		37

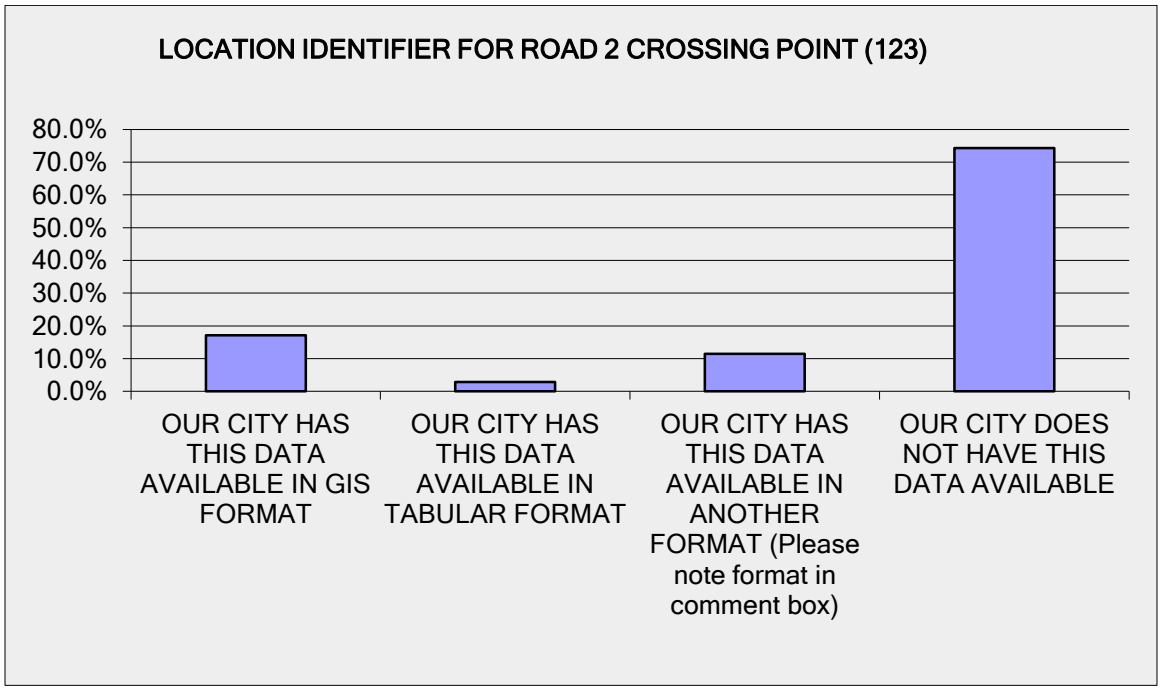


Notes in Comment Box

ID	Email Address	Comment
SHORELINE	tjuhnke@shorelinewa.gov	Only use intersection/junction identifier
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	unknown
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is shown in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
OCEAN SHORES	nbird@osgov.com	AutoCAD

Question 21

LOCATION IDENTIFIER FOR ROAD 2 CROSSING POINT (123)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	17.1%	6
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	2.9%	1
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	11.4%	4
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	74.3%	26
Other (please specify)		6
answered question (paper)		2
answered question (online)		33
skipped question		37

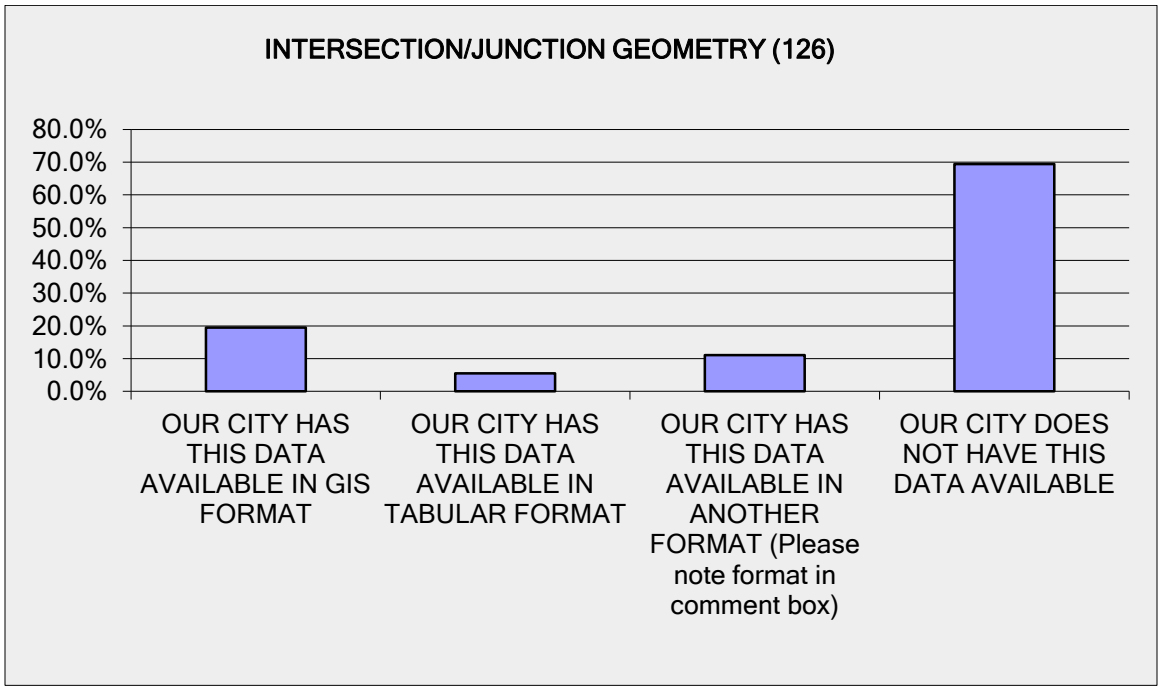


Notes in Comment Box

ID	Email Address	Comment
SHORELINE	tjuhnke@shorelinewa.gov	Only use intersection/junction identifier
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	GIS, Paver, Mobility, and Bridgeworks
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is shown in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
OCEAN SHORES	nbird@osgov.com	AutoCAD

Question 22

INTERSECTION/JUNCTION GEOMETRY (126)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	19.4%	7
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	5.6%	2
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	11.1%	4
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	69.4%	25
Other (please specify)		6
answered question (paper)		2
answered question (online)		34
skipped question		36

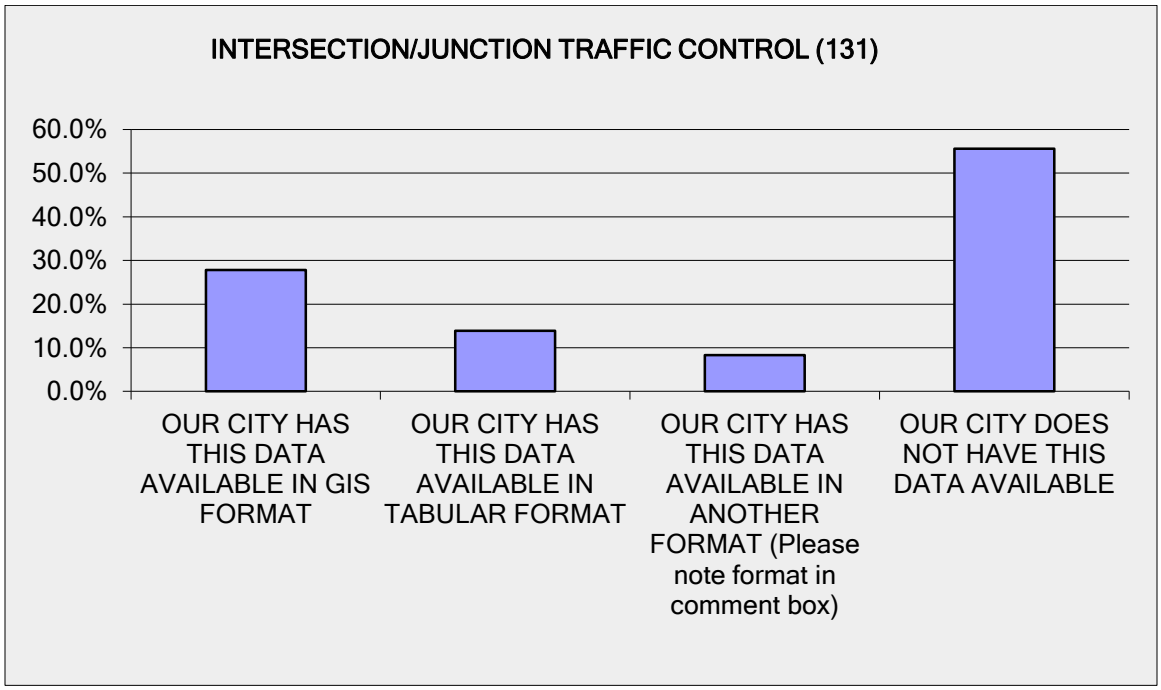


Notes in Comment Box

ID	Email Address	Comment
SEATTLE	craig.moore@seattle.gov	Not defined as an attribute. The number of legs an intersection has is defined.
TUMWATER	bhicks@ci.tumwater.wa.us	PDF/As-Built
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	we have 'some' of this information in the more urban areas (via as-builts), but many of our rural county roads were converted from market roads and have no engineering information other than what resides in our Paver software
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to compile this data.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	Intersecting arterials and major collectors (and their intersections with minor collectors) coded in Synchro.
OCEAN SHORES	nbird@osgov.com	AutoCAD

Question 23

INTERSECTION/JUNCTION TRAFFIC CONTROL (131)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	27.8%	10
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	13.9%	5
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	8.3%	3
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	55.6%	20
Other (please specify)		6
answered question (paper)		2
answered question (online)		34
skipped question		36

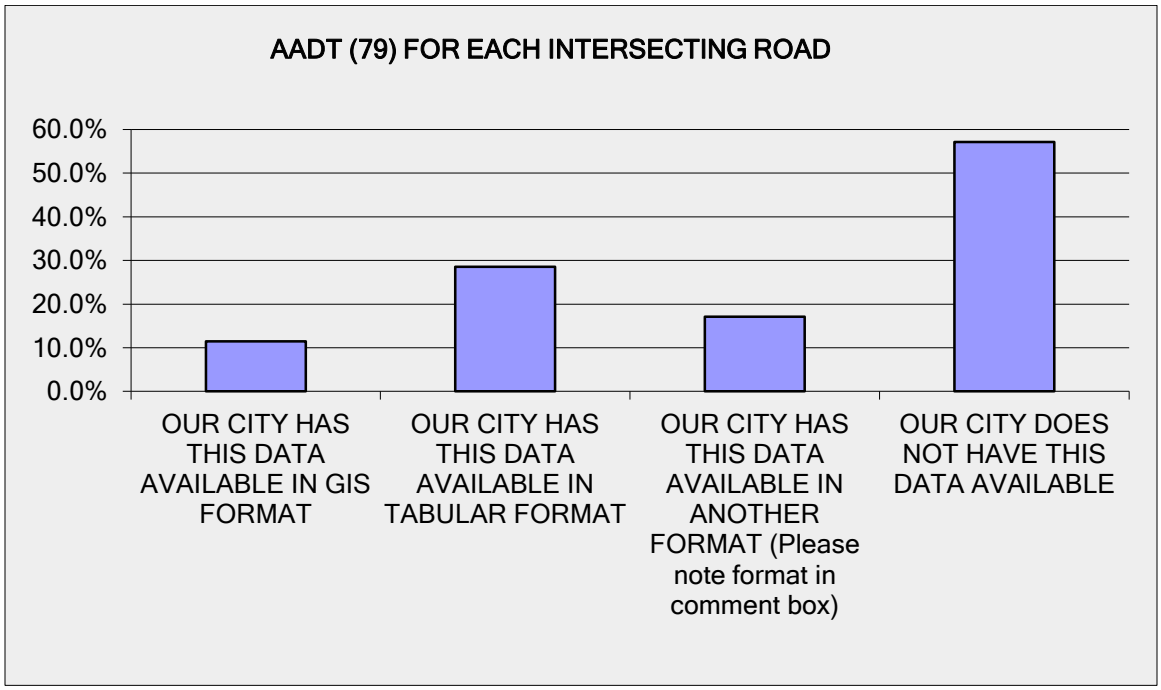


Notes in Comment Box

ID	Email Address	Comment
SEATTLE	craig.moore@seattle.gov	Separate data sources exists for signalized intersections, all-way stop intersections, and traffic circles. All other types would have to be calculated from available data sources.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	In Mobility, and in MMS (maintenance management system)
REDMOND	RCRITTENDEN@REDMOND.GOV	Traffic signals only
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to compile this data.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	Intersecting arterials and major collectors (and their intersections with minor collectors) coded in Synchro.
VANCOUVER	rsass@everettwa.gov	this is emerging data

Question 24

AADT (79) FOR EACH INTERSECTING ROAD		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	11.4%	4
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	28.6%	10
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	17.1%	6
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	57.1%	20
Other (please specify)		10
answered question (paper)		2
answered question (online)		33
skipped question		37

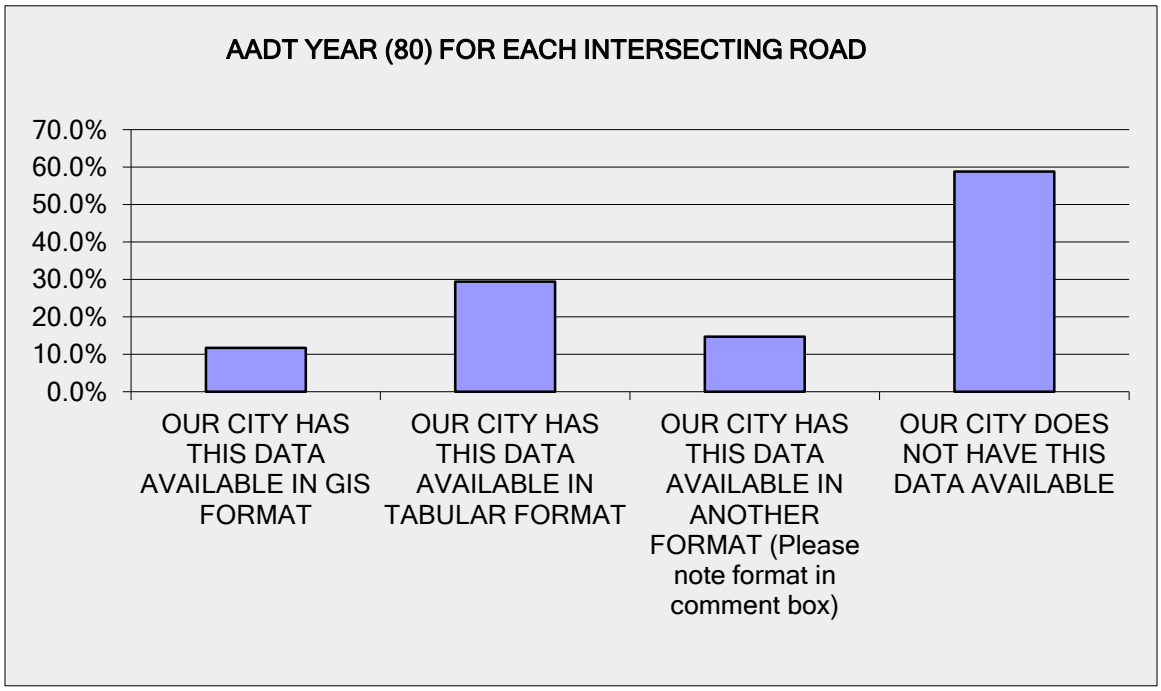


Notes in Comment Box

ID	Email Address	Comment
SEATTLE	craig.moore@seattle.gov	Only available for arterials.
TACOMA	jdiekmann@ci.tacoma.wa.us	Data available for signalized intersections
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	not complete information, only where specifically collected on a regular basis (not all roads have ADT information)
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	We have ADT
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to go through our traffic counting records and compile this data. We do not have data for every year.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	Intersecting arterials and major collectors (and their intersections with minor collectors).
BATTLE GROUND	scott.sawyer@ci.battle-ground.wa.us	Information available via pdf of traffic studies and the Regional Transportation Council GIS system.
SEDRO WOOLLEY	mfreiberger@ci.sedro-woolley.wa.us	AADT and Turning Motions available for some Arterial intersections.
WALLA WALLA	mpuymon@wallawallawa.gov	Partial data

Question 25

AADT YEAR (80) FOR EACH INTERSECTING ROAD		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	11.8%	4
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	29.4%	10
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	14.7%	5
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	58.8%	20
Other (please specify)		9
answered question (paper)		2
answered question (online)		32
skipped question		38

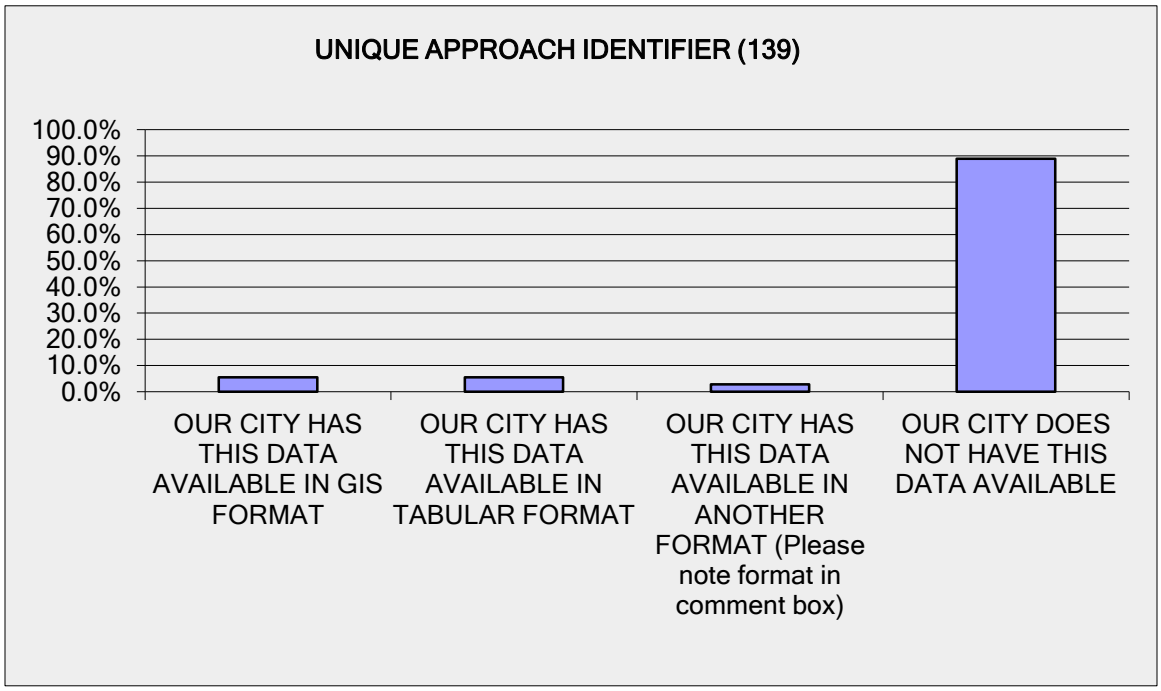


Notes in Comment Box

ID	Email Address	Comment
SEATTLE	craig.moore@seattle.gov	Only available for arterials
TACOMA	jdiekmann@ci.tacoma.wa.us	Data available for signalized intersections
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	not complete information, only where specifically collected on a regular basis (not all roads have ADT information)
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	We have ADT
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to go through our traffic counting records and compile this data. We do not have data for every year.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	Intersecting arterials and major collectors (and their intersections with minor collectors).
BATTLE GROUND	scott.sawyer@ci.battle-ground.wa.us	Information available via pdf of traffic studies and the Regional Transportation Council GIS system.
WALLA WALLA	mpuymon@wallawallawa.gov	Partial data

Question 26

UNIQUE APPROACH IDENTIFIER (139)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	5.6%	2
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	5.6%	2
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	2.8%	1
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	88.9%	32
Other (please specify)		1
answered question (paper)		2
answered question (online)		34
skipped question		36

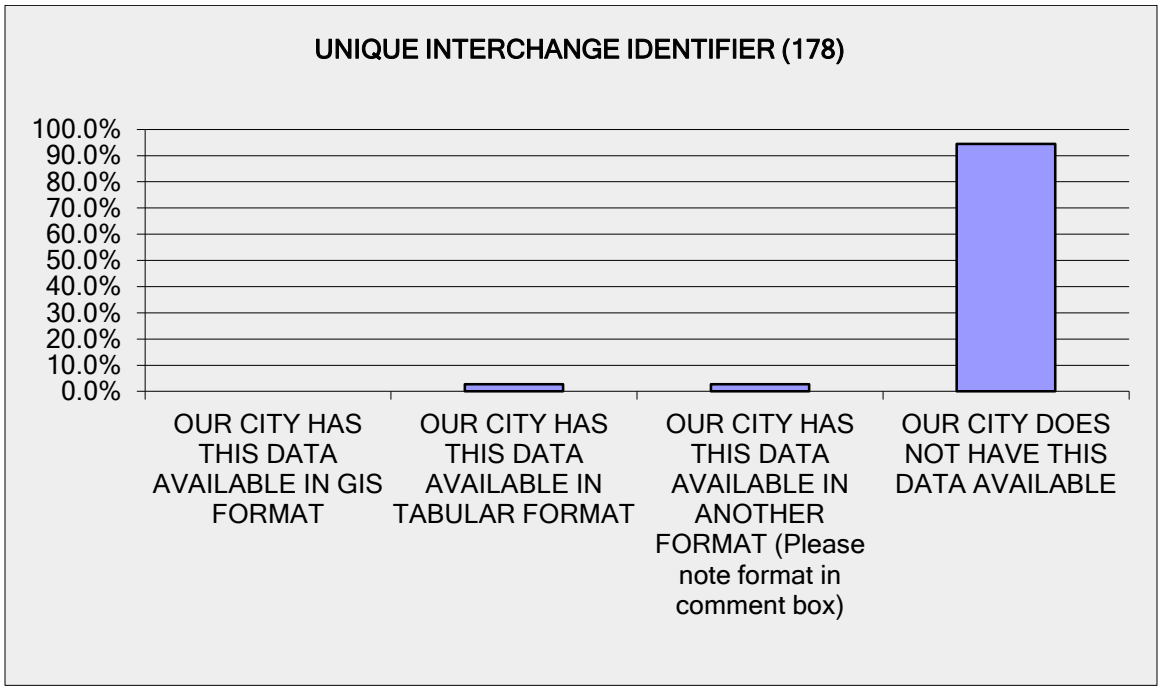


Notes in Comment Box

ID	Email Address	Comment
FEDERAL WAY	marwan.salloum@cityoffederalway.com	Intersecting arterials and major collectors (and their intersections with minor collectors) coded in Synchro.

Question 27

UNIQUE INTERCHANGE IDENTIFIER (178)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	0.0%	0
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	2.8%	1
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	2.8%	1
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	94.4%	34
Other (please specify)		4
answered question (paper)		2
answered question (online)		34
skipped question		36

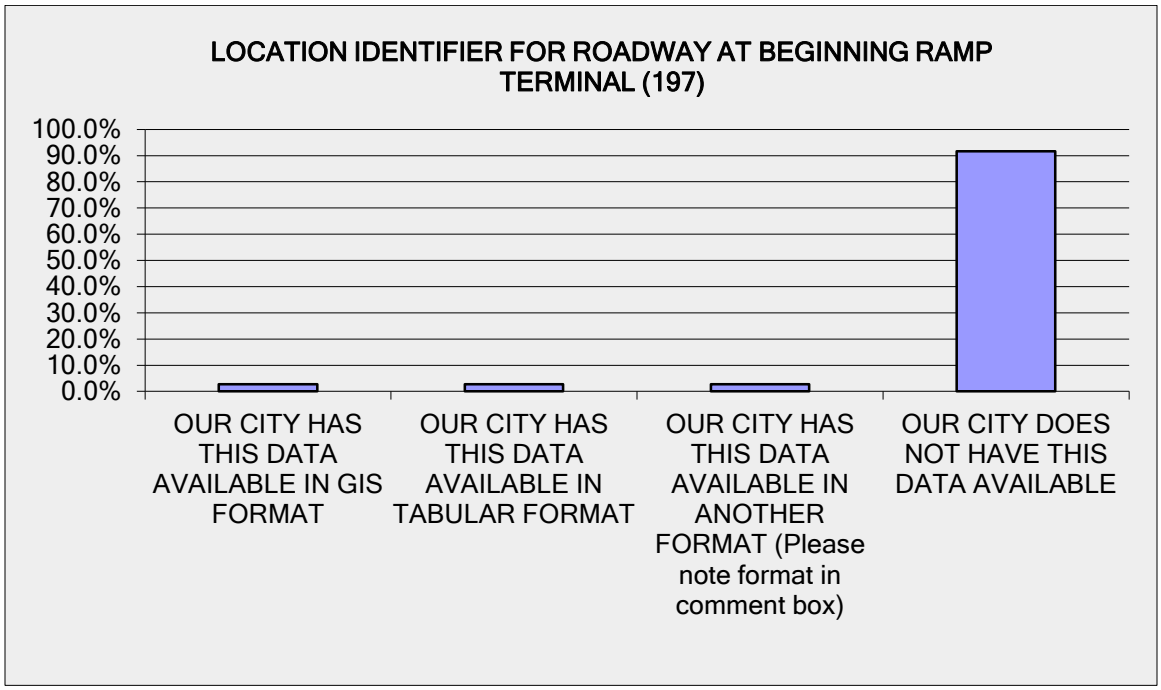


Notes in Comment Box

ID	Email Address	Comment
PIERCE COUNTY	cbui@co.pierce.wa.us	Not applicable - there is no interchange/ramp within our jurisdiction.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	State route log
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	NA - no county owned interchanges
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	Our County does not have any interchanges.

Question 28

LOCATION IDENTIFIER FOR ROADWAY AT BEGINNING RAMP TERMINAL (197)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	2.8%	1
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	2.8%	1
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	2.8%	1
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	91.7%	33
Other (please specify)		3
answered question (paper)		2
answered question (online)		34
skipped question		36

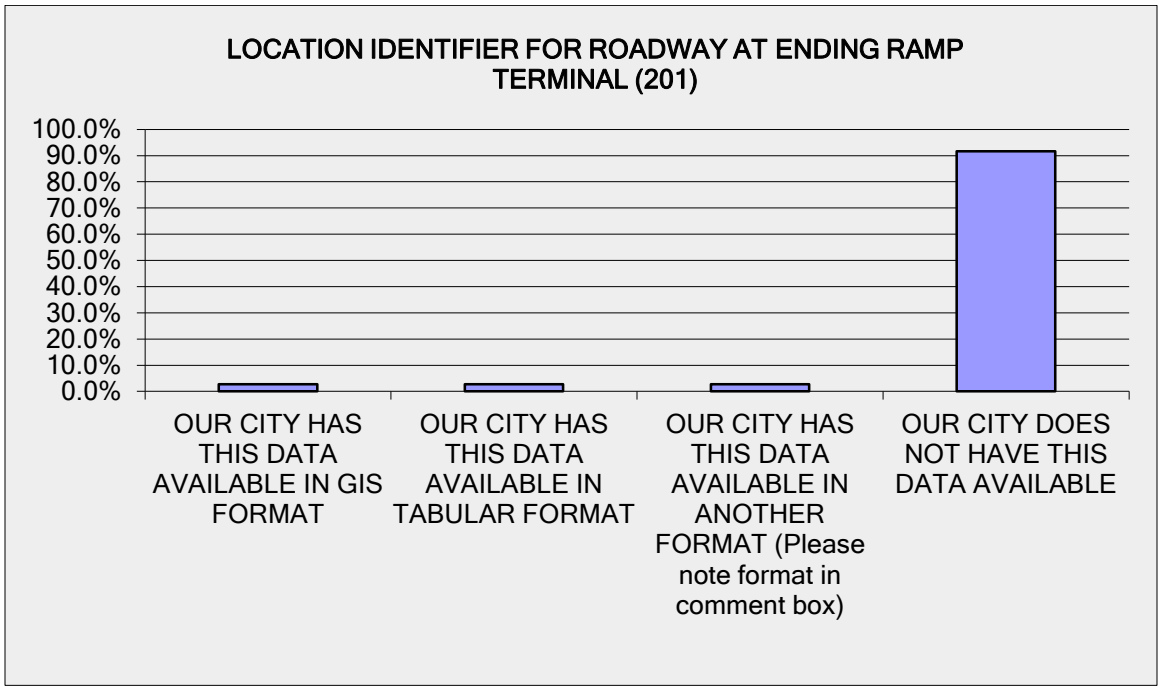


Notes in Comment Box

ID	Email Address	Comment
PIERCE COUNTY	cbui@co.pierce.wa.us	Not applicable - there is no interchange/ramp within our jurisdiction.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	State interchange maps
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	NA - no county owned interchanges

Question 29

LOCATION IDENTIFIER FOR ROADWAY AT ENDING RAMP TERMINAL (201)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	2.8%	1
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	2.8%	1
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	2.8%	1
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	91.7%	33
Other (please specify)		3
answered question (paper)		2
answered question (online)		34
skipped question		36

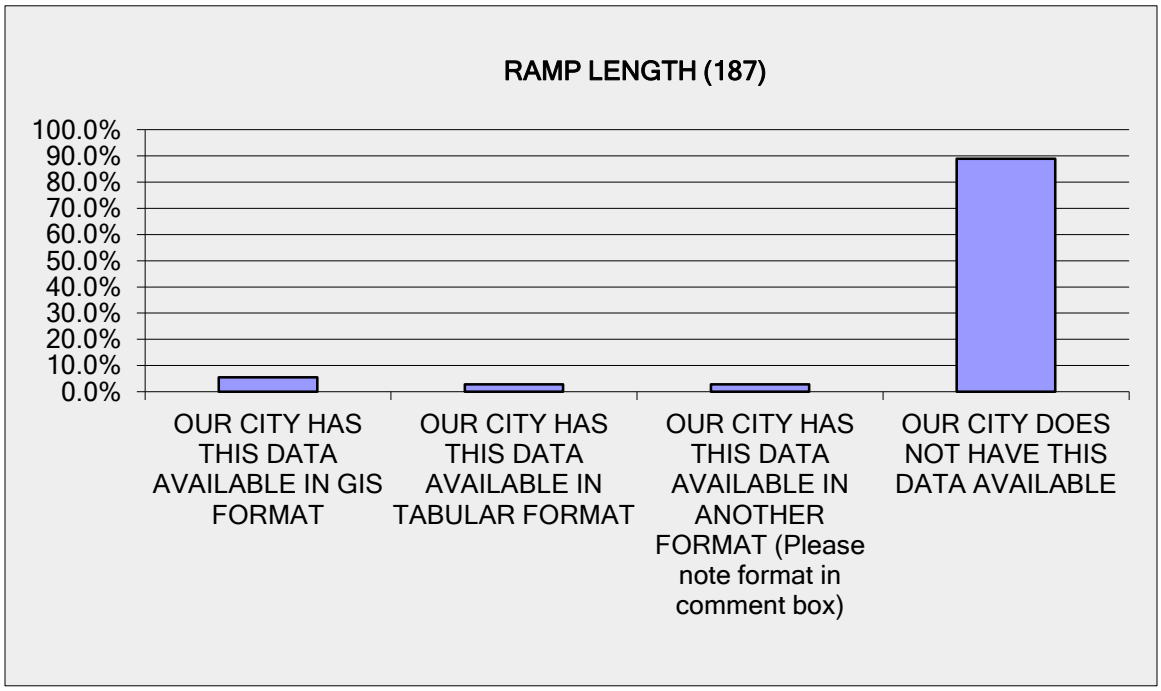


Notes in Comment Box

ID	Email Address	Comment
PIERCE COUNTY	cbui@co.pierce.wa.us	Not applicable - there is no interchange/ramp within our jurisdiction.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	State interchange maps
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	NA - no county owned interchanges

Question 30

RAMP LENGTH (187)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	5.6%	2
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	2.8%	1
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	2.8%	1
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	88.9%	32
Other (please specify)		3
answered question (paper)		2
answered question (online)		34
skipped question		36

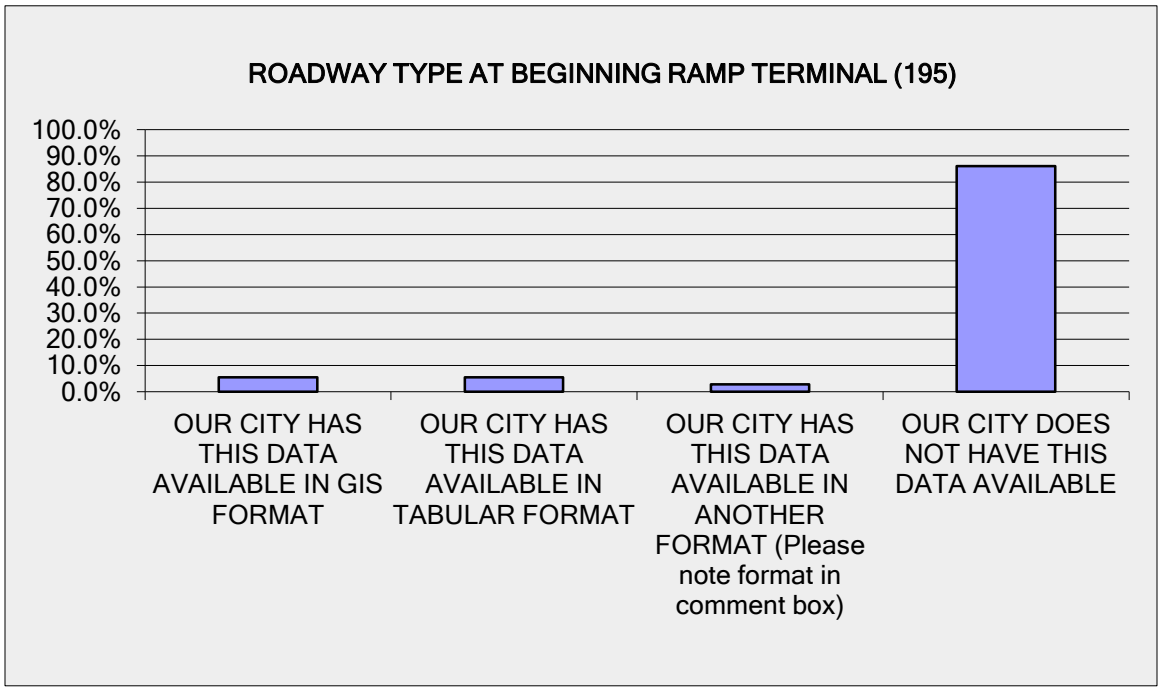


Notes in Comment Box

ID	Email Address	Comment
PIERCE COUNTY	cbui@co.pierce.wa.us	Not applicable - there is no interchange/ramp within our jurisdiction.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	State interchange maps
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	NA - no county owned interchanges

Question 31

ROADWAY TYPE AT BEGINNING RAMP TERMINAL (195)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	5.6%	2
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	5.6%	2
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	2.8%	1
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	86.1%	31
Other (please specify)		4
answered question (paper)		2
answered question (online)		34
skipped question		36

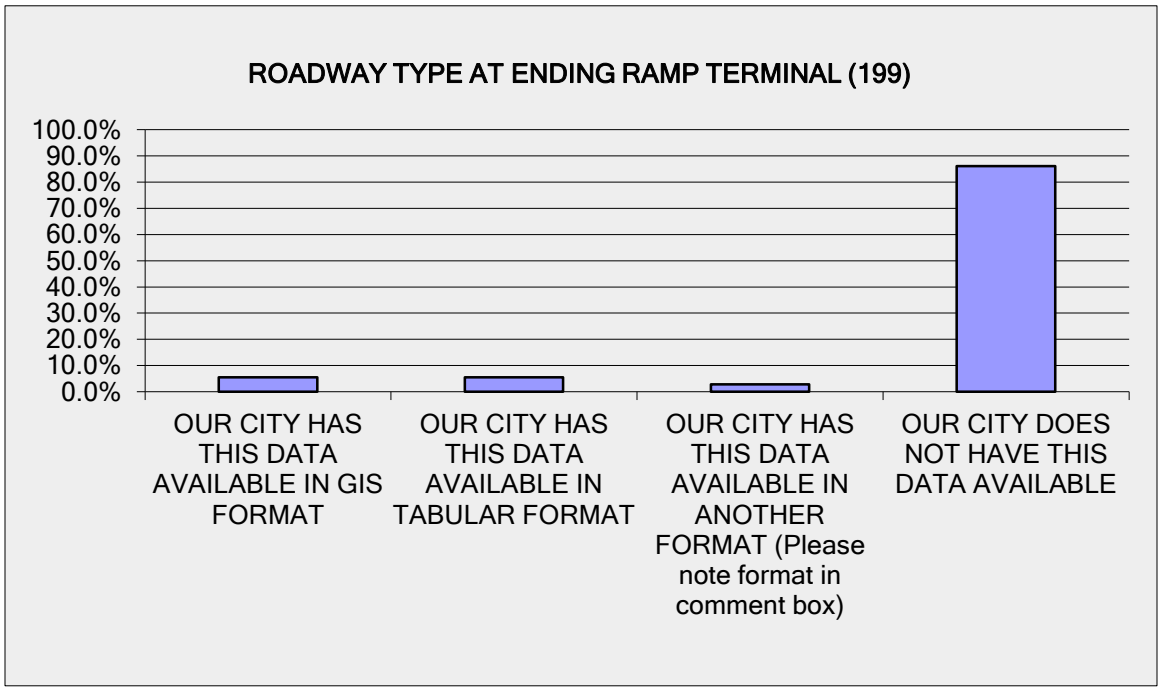


Notes in Comment Box

ID	Email Address	Comment
KIRKLAND	MSoares@kirklandwa.gov	Functional class for road that feeds ramps.
PIERCE COUNTY	cbui@co.pierce.wa.us	Not applicable - there is no interchange/ramp within our jurisdiction.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	State interchange maps
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	NA - no county owned interchanges

Question 32

ROADWAY TYPE AT ENDING RAMP TERMINAL (199)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	5.6%	2
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	5.6%	2
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	2.8%	1
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	86.1%	31
Other (please specify)		3
answered question (paper)		2
answered question (online)		34
skipped question		36

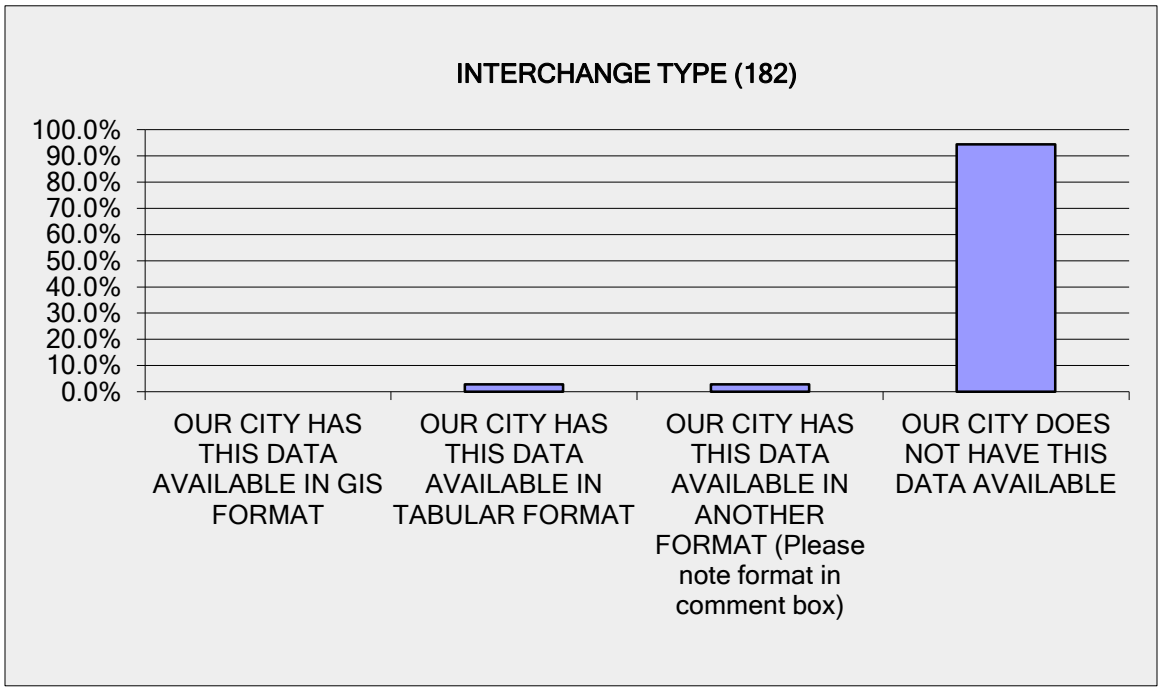


Notes in Comment Box

ID	Email Address	Comment
PIERCE COUNTY	cbui@co.pierce.wa.us	Not applicable - there is no interchange/ramp within our jurisdiction.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	State interchange maps
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	NA - no county owned interchanges

Question 33

INTERCHANGE TYPE (182)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	0.0%	0
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	2.8%	1
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	2.8%	1
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	94.4%	34
Other (please specify)		3
answered question (paper)		2
answered question (online)		34
skipped question		36

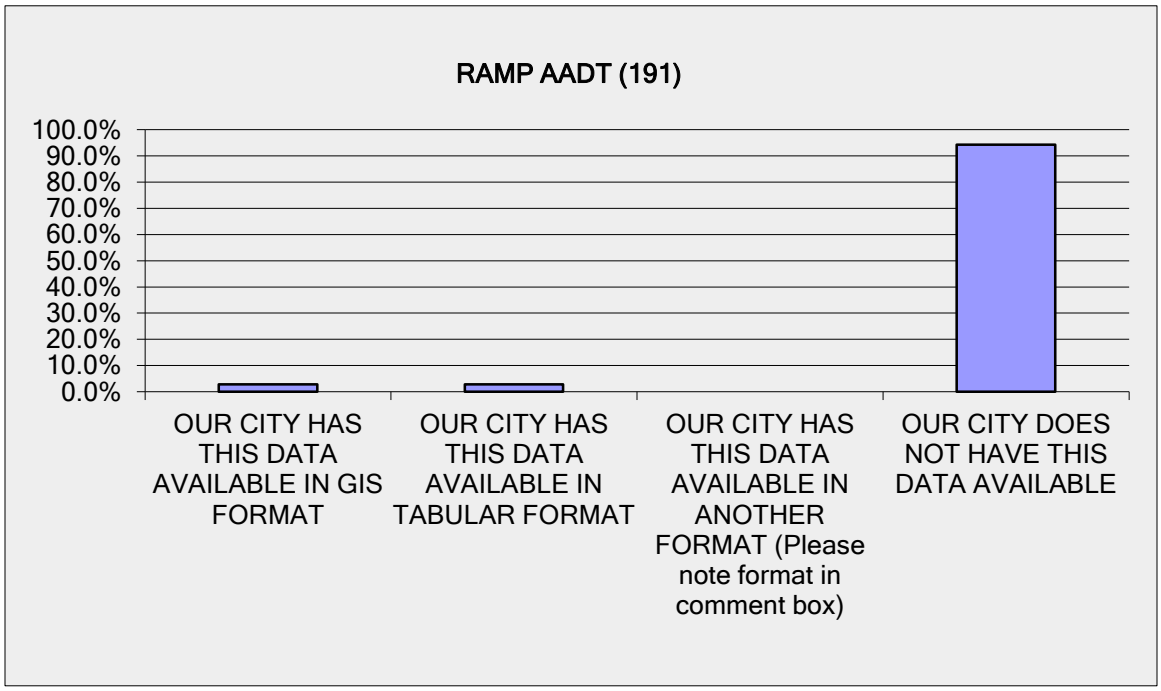


Notes in Comment Box

ID	Email Address	Comment
PIERCE COUNTY	cbui@co.pierce.wa.us	Not applicable - there is no interchange/ramp within our jurisdiction.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	State interchange maps
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	NA - no county owned interchanges

Question 34

RAMP AADT (191)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	2.9%	1
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	2.9%	1
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	0.0%	0
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	94.3%	33
Other (please specify)		3
answered question (paper)		2
answered question (online)		33
skipped question		37

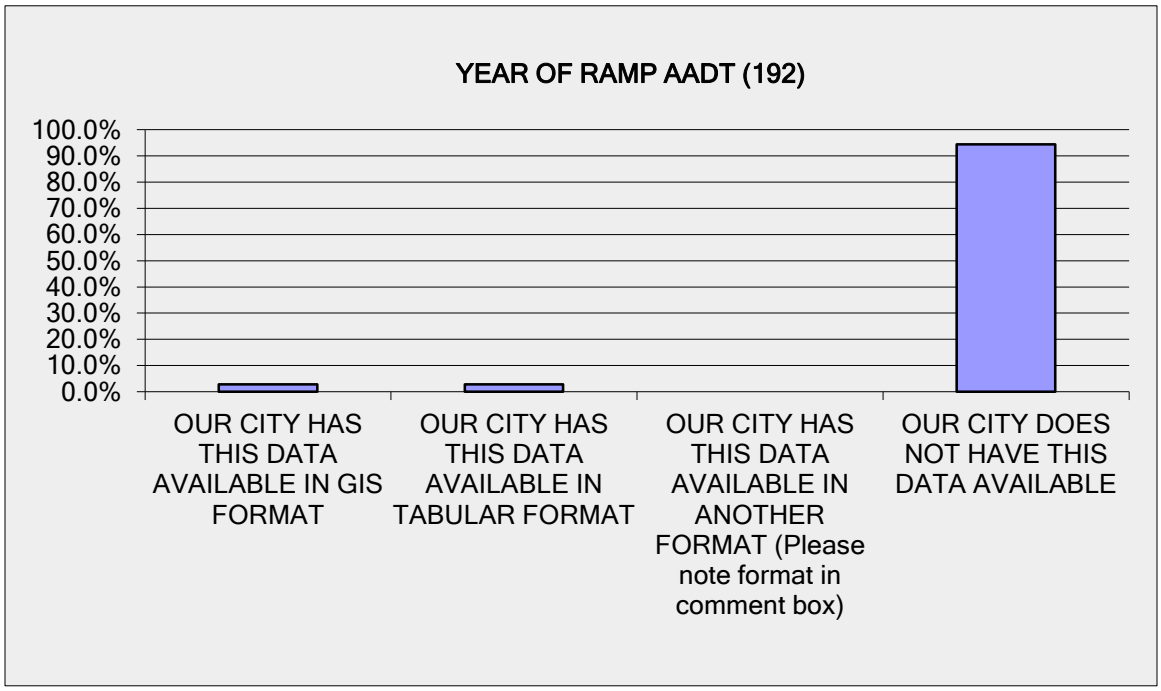


Notes in Comment Box

ID	Email Address	Comment
SEATTLE	craig.moore@seattle.gov	Limited data
PIERCE COUNTY	cbui@co.pierce.wa.us	Not applicable - there is no interchange/ramp within our jurisdiction.
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	NA - no county owned interchanges

Question 35

YEAR OF RAMP AADT (192)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	2.8%	1
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	2.8%	1
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	0.0%	0
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	94.4%	34
Other (please specify)		3
answered question (paper)		2
answered question (online)		34
skipped question		36

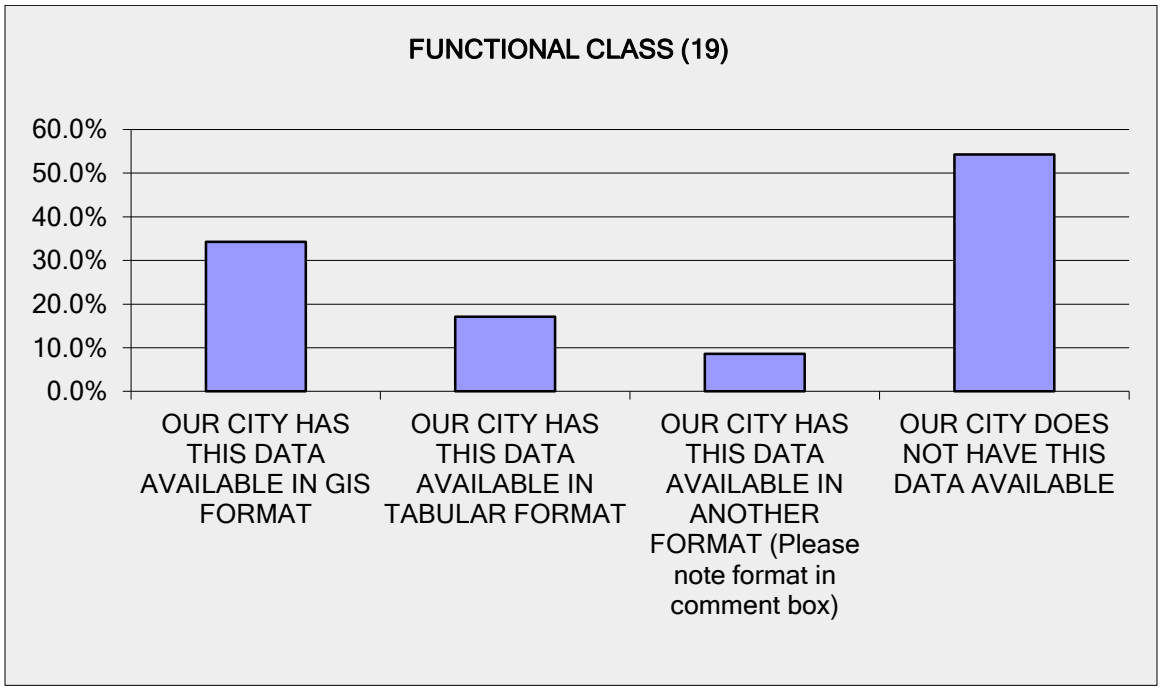


Notes in Comment Box

ID	Email Address	Comment
SEATTLE	craig.moore@seattle.gov	Limited data
PIERCE COUNTY	cbui@co.pierce.wa.us	Not applicable - there is no interchange/ramp within our jurisdiction.
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	NA - no county owned interchanges

Question 36

FUNCTIONAL CLASS (19)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	34.3%	12
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	17.1%	6
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	8.6%	3
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	54.3%	19
Other (please specify)		6
answered question (paper)		2
answered question (online)		33
skipped question		37

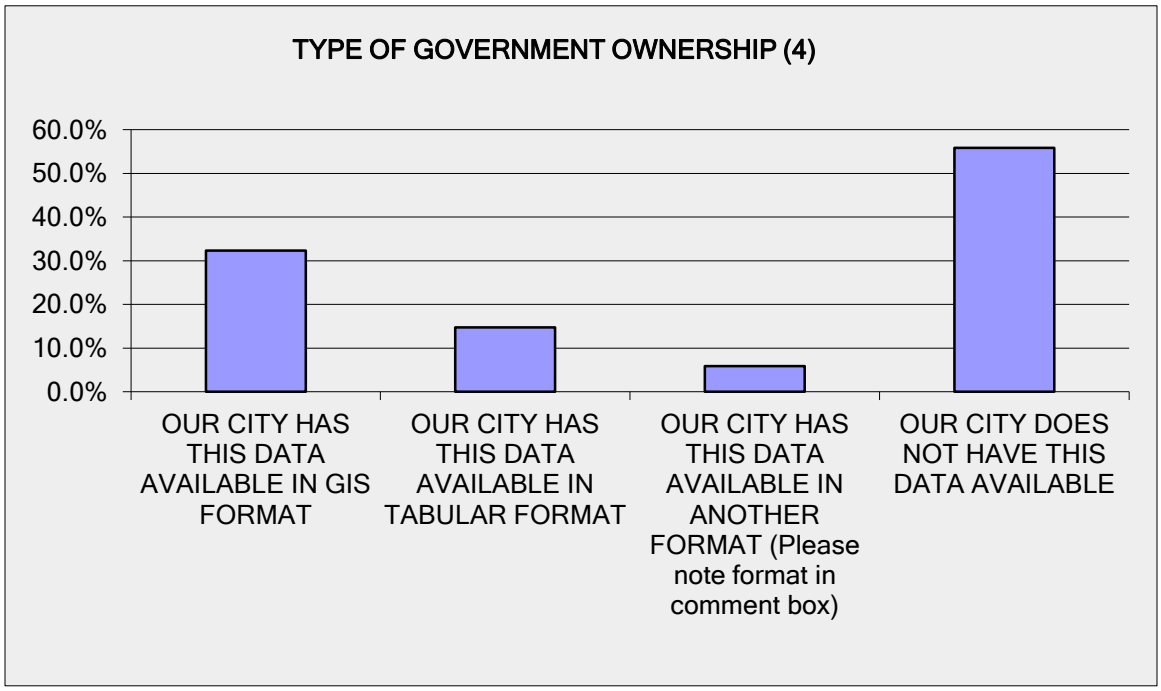


Notes in Comment Box

ID	Email Address	Comment
PIERCE COUNTY	cbui@co.pierce.wa.us	Not applicable - there is no interchange/ramp within our jurisdiction.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	Mobility, GIS, Arterial Atlas, Bridgeworks and Paver
PULLMAN	kevin.gardes@pullman-wa.gov	We use the WSDOT Functional Classification Map
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	Mobility CRAB
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
PACIFIC	lnewkirk@ci.pacific.wa.us	We have all of our city data on an AutoCAD map. We are converting it to GIS.

Question 37

TYPE OF GOVERNMENT OWNERSHIP (4)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	32.4%	11
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	14.7%	5
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	5.9%	2
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	55.9%	19
Other (please specify)		6
answered question (paper)		2
answered question (online)		32
skipped question		38

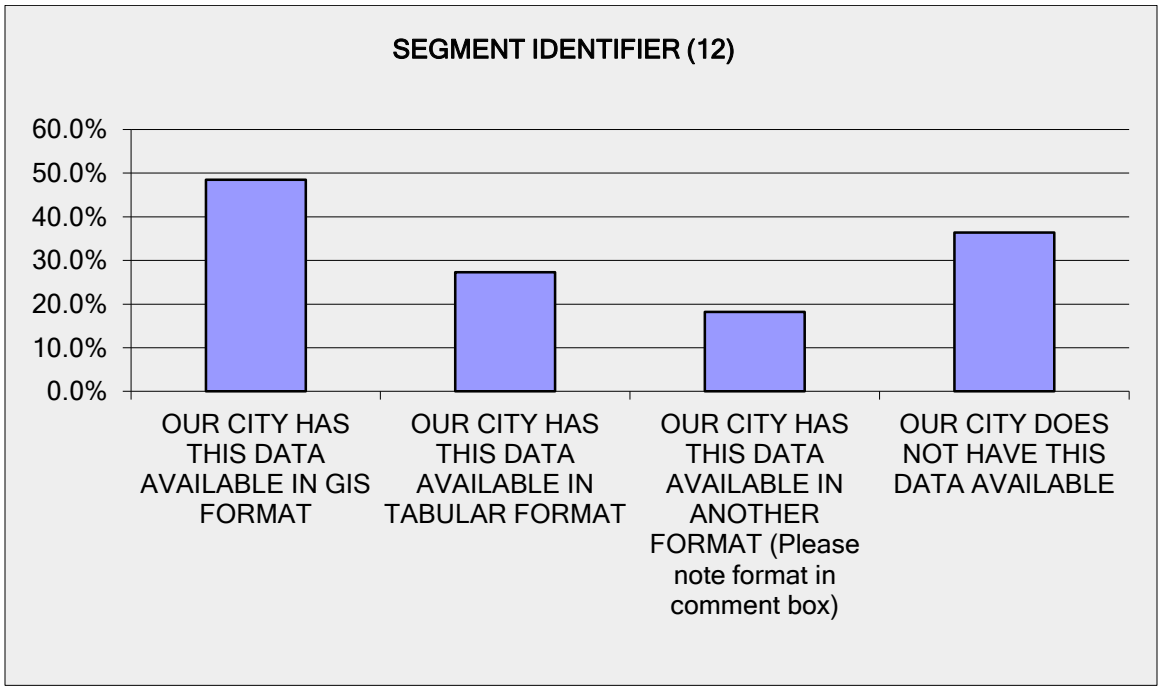


Notes in Comment Box

ID	Email Address	Comment
PIERCE COUNTY	cbui@co.pierce.wa.us	Not applicable - there is no interchange/ramp within our jurisdiction.
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to compile this data.
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	Mobility CRAB
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
ROY	roycityhall@cityofroywa.us	local government
PACIFIC	lnewkirk@ci.pacific.wa.us	We have all of our city data on an AutoCAD map. We are converting it to GIS.

Question 38

SEGMENT IDENTIFIER (12)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	48.5%	16
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	27.3%	9
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	18.2%	6
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	36.4%	12
Other (please specify)		8
answered question (paper)		2
answered question (online)		31
skipped question		39

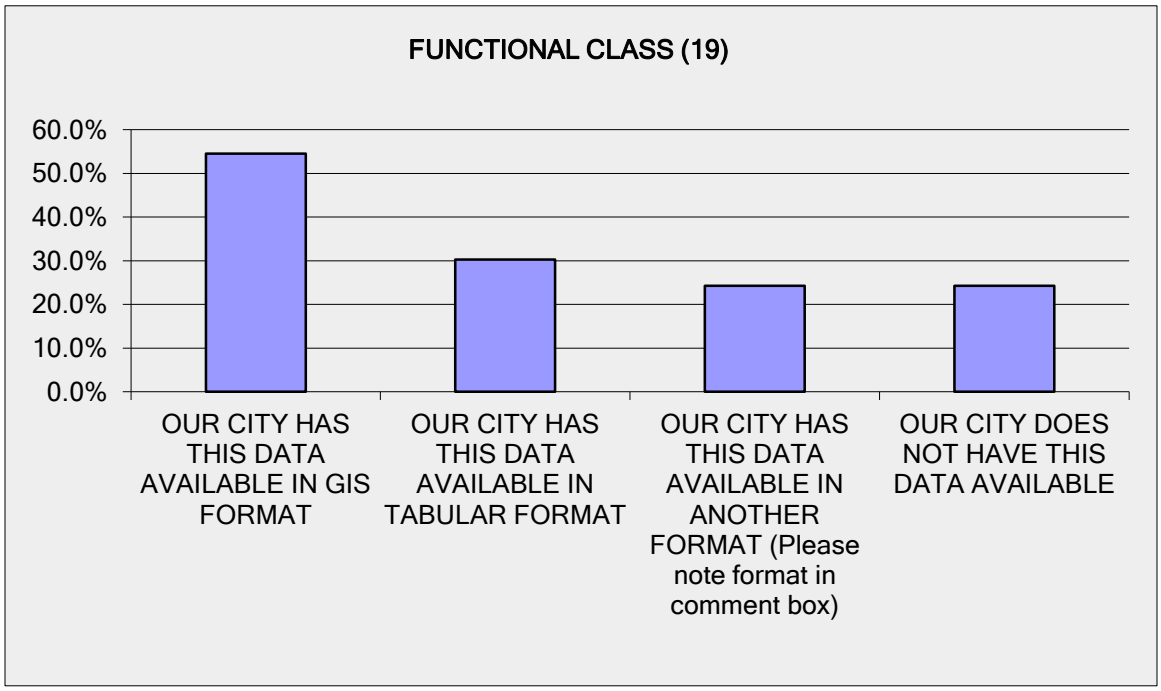


Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	We have unique identifiers by are not consistent across various formats - GIS, Mobility, Paver, MMS, etc.
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We use the WSDOT functional classification map
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	Mobility CRAB
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
PACIFIC	lnewkirk@ci.pacific.wa.us	We have all of our city data on an AutoCAD map. We are converting it to GIS.

Question 39

FUNCTIONAL CLASS (19)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	54.5%	18
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	30.3%	10
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	24.2%	8
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	24.2%	8
Other (please specify)		10
answered question (paper)		2
answered question (online)		31
skipped question		39

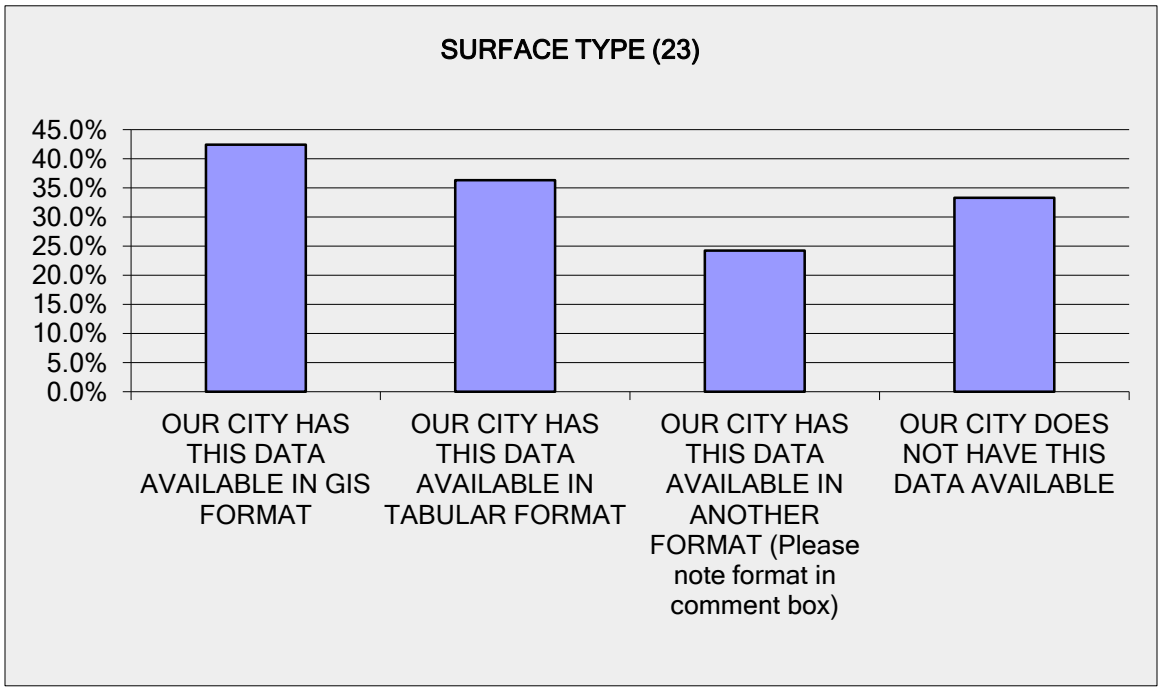


Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	Mobility, Paver, and Bridgeworks plus GIS
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We use the WSDOT functional classification map
BATTLE GROUND	scott.sawyer@ci.battle-ground.wa.us	Available in a pdf format.
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	Mobility CRAB
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
PACIFIC	lnewkirk@ci.pacific.wa.us	We have all of our city data on an AutoCAD map. We are converting it to GIS.

Question 40

SURFACE TYPE (23)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	42.4%	14
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	36.4%	12
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	24.2%	8
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	33.3%	11
Other (please specify)		11
answered question (paper)		2
answered question (online)		31
skipped question		39

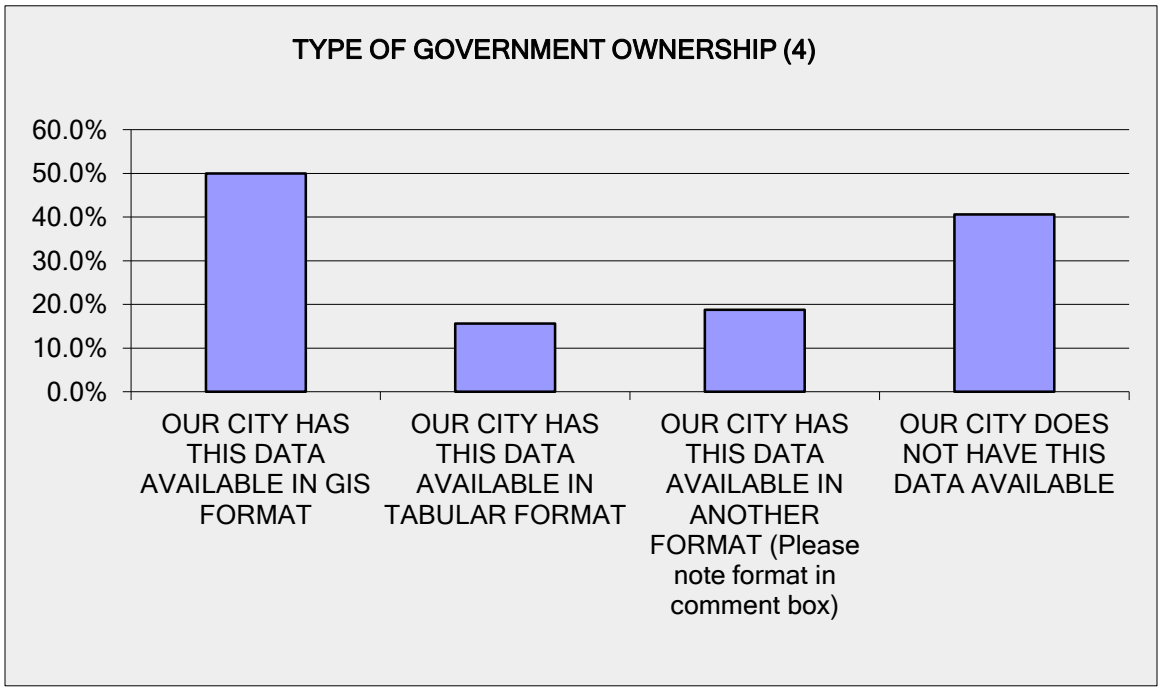


Notes in Comment Box

ID	Email Address	Comment
KIRKLAND	MSoares@kirklandwa.gov	Pavement management system data
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	In Paver and GIS
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
REDMOND	RCRITTENDEN@REDMOND.GOV	Street saver
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to compile this data.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	Identifies only top course
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	Mobility CRAB
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility

Question 41

TYPE OF GOVERNMENT OWNERSHIP (4)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	50.0%	16
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	15.6%	5
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	18.8%	6
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	40.6%	13
Other (please specify)		10
answered question (paper)		2
answered question (online)		30
skipped question		40

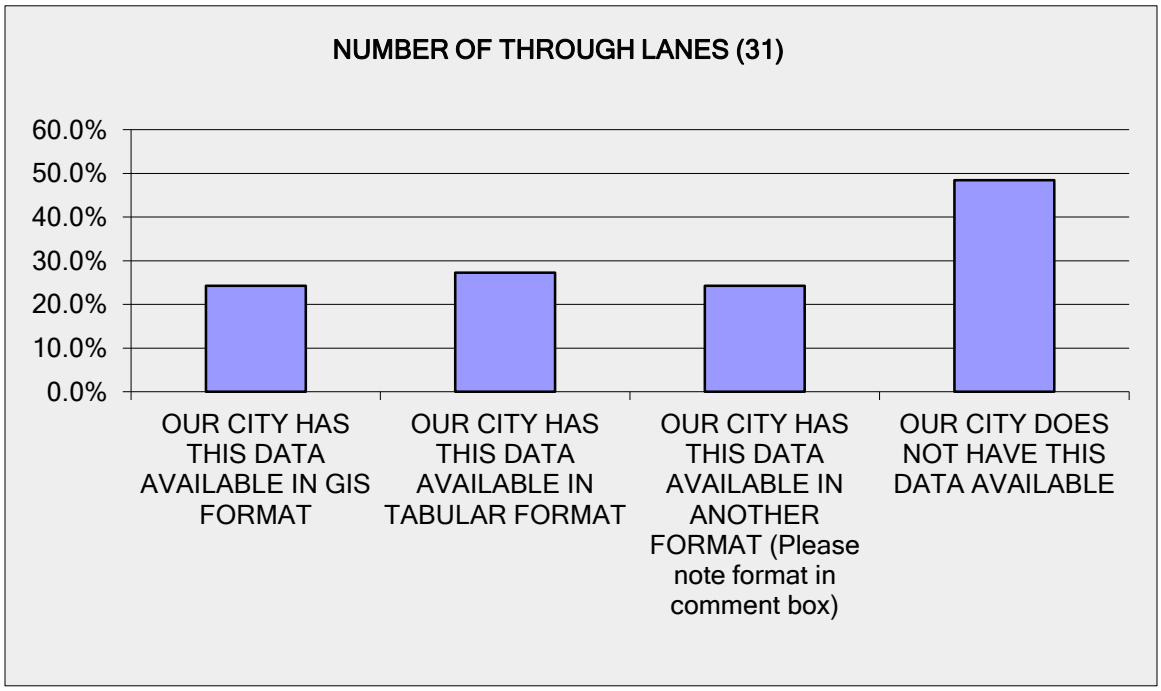


Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	and Bridgeworks, might also be in Mobility
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to compile this data.
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	Mobility CRAB
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
ROY	roycityhall@cityofroywa.us	local government
PACIFIC	lnewkirk@ci.pacific.wa.us	We have all of our city data on an AutoCAD map. We are converting it to GIS.

Question 42

NUMBER OF THROUGH LANES (31)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	24.2%	8
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	27.3%	9
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	24.2%	8
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	48.5%	16
Other (please specify)		10
answered question (paper)		2
answered question (online)		31
skipped question		39

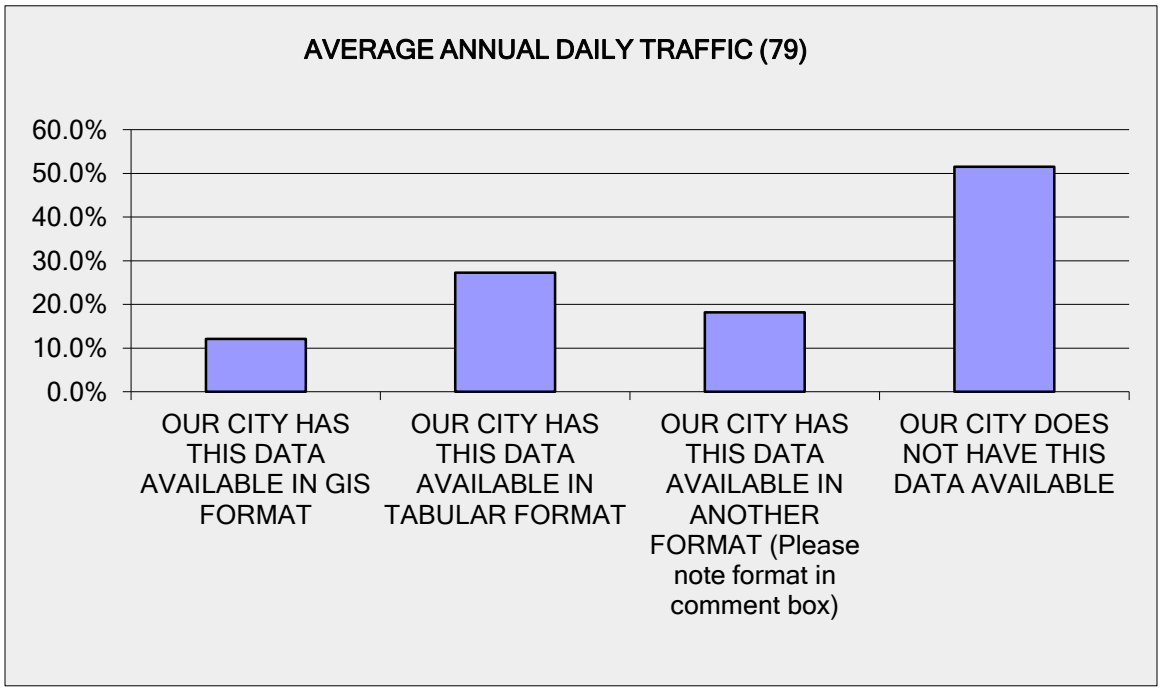


Notes in Comment Box

ID	Email Address	Comment
KIRKLAND	MSoares@kirklandwa.gov	Pavement management system data
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	Mobility and GIS
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to compile this data.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	All local streets are 2-lane.
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	Mobility CRAB
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is shown in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility

Question 43

AVERAGE ANNUAL DAILY TRAFFIC (79)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	12.1%	4
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	27.3%	9
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	18.2%	6
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	51.5%	17
Other (please specify)		12
answered question (paper)		2
answered question (online)		31
skipped question		39

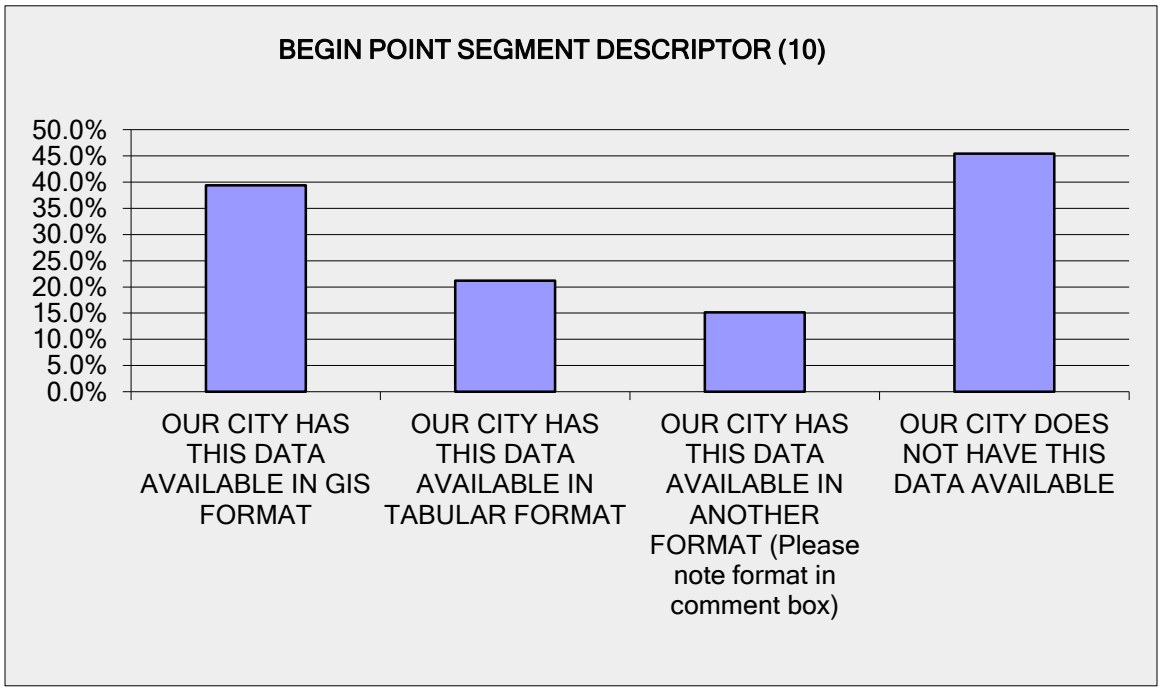


Notes in Comment Box

ID	Email Address	Comment
SEATTLE	craig.moore@seattle.gov	Very limited data
TACOMA	jdiekmann@ci.tacoma.wa.us	Data available for some roads
PIERCE COUNTY	cbui@co.pierce.wa.us	We do not collect traffic volume data for roads that are designated as "local access"
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	We have ADT
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to go through our traffic counting data and compile this. We do not have traffic counts for every year.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	Local streets may have AADT's where: (1) they intersect an arterial or major collector at an intersection with another arterial or collector; or (2) we've had a request for traffic calming but only in the year of the request.
BATTLE GROUND	scott.sawyer@ci.battle-ground.wa.us	Available in pdf in traffic studies and through the Regional Transportation Council GIS system.
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	We have ADT but we haven't calculated AADT
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is in the County Road Administration Board Mobility database.
WALLA WALLA	mpuymon@wallawallawa.gov	Partial data
PORT TOWNSEND	kclow@cityofpt.us	PDF
OCEAN SHORES	nbird@osgov.com	Hard copy of static locations.

Question 44

BEGIN POINT SEGMENT DESCRIPTOR (10)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	39.4%	13
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	21.2%	7
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	15.2%	5
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	45.5%	15
Other (please specify)		8
answered question (paper)		2
answered question (online)		31
skipped question		39

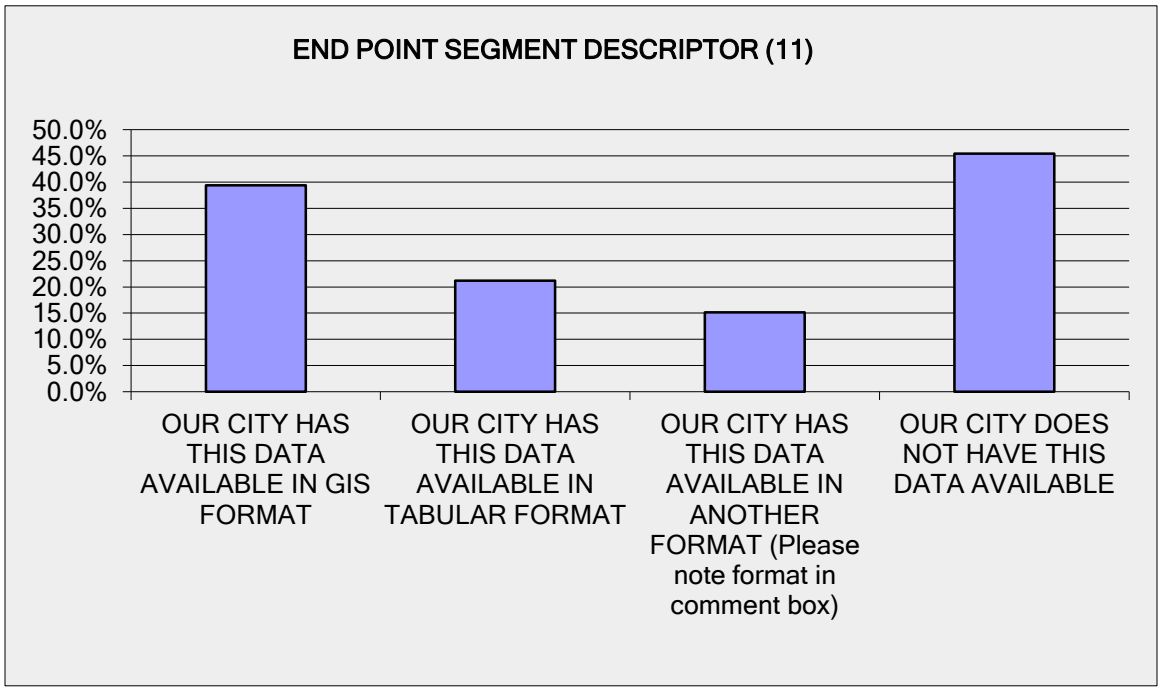


Notes in Comment Box

ID	Email Address	Comment
KIRKLAND	MSoares@kirklandwa.gov	address block range
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to compile this data.
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	Mobility CRAB
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility

Question 45

END POINT SEGMENT DESCRIPTOR (11)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	39.4%	13
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	21.2%	7
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	15.2%	5
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	45.5%	15
Other (please specify)		8
answered question (paper)		2
answered question (online)		31
skipped question		39

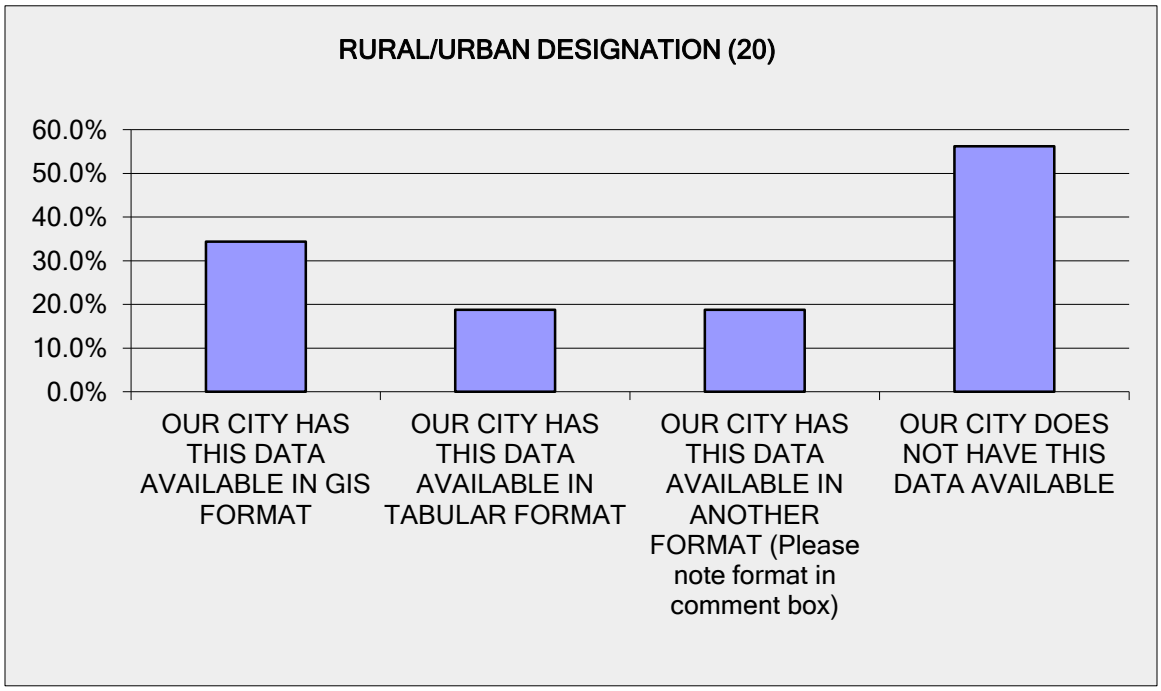


Notes in Comment Box

ID	Email Address	Comment
KIRKLAND	MSoares@kirklandwa.gov	address block range
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to compile this data.
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	Mobility CRAB
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility

Question 46

RURAL/URBAN DESIGNATION (20)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	34.4%	11
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	18.8%	6
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	18.8%	6
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	56.3%	18
Other (please specify)		11
answered question (paper)		2
answered question (online)		30
skipped question		40

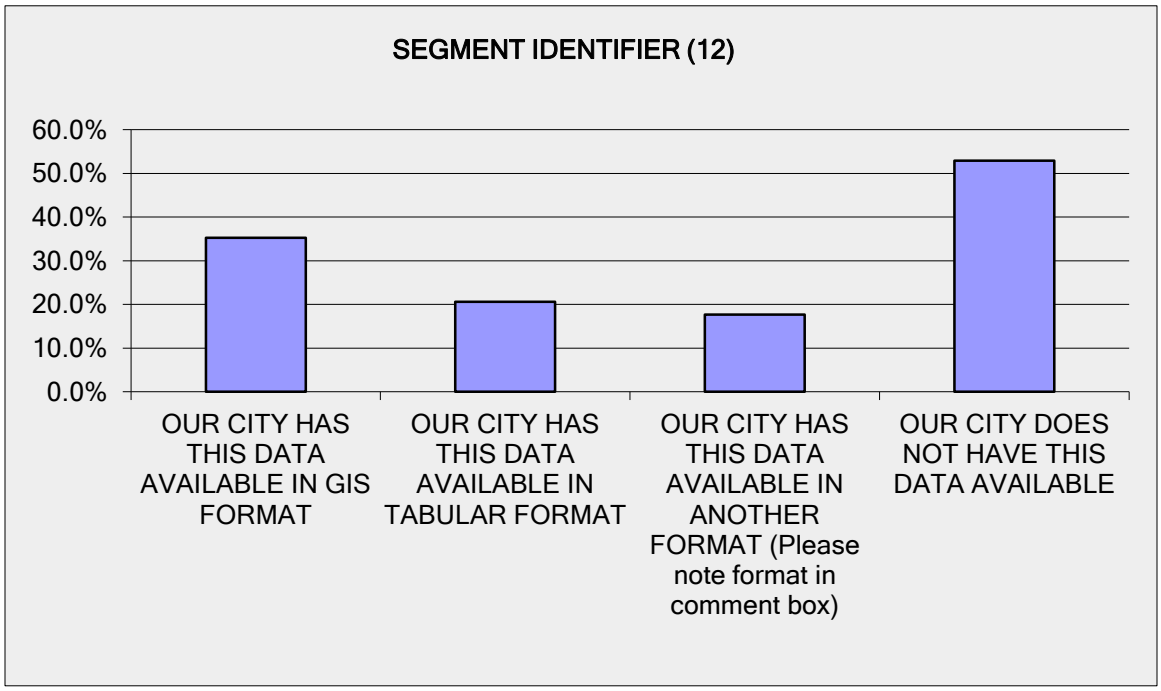


Notes in Comment Box

ID	Email Address	Comment
KIRKLAND	MSoares@kirklandwa.gov	All roads are urban
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
SHORELINE	tjuhnke@shorelinewa.gov	No rural designation in Shoreline
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	GIS, Arterial Atlas
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
PULLMAN	kevin.gardes@pullman-wa.gov	We would have to compile this data.
FEDERAL WAY	marwan.salloum@cityoffederalway.com	All streets are urban.
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	Mobility CRAB
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility

Question 47

SEGMENT IDENTIFIER (12)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	35.3%	12
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	20.6%	7
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	17.6%	6
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	52.9%	18
Other (please specify)		7
answered question (paper)		2
answered question (online)		32
skipped question		38

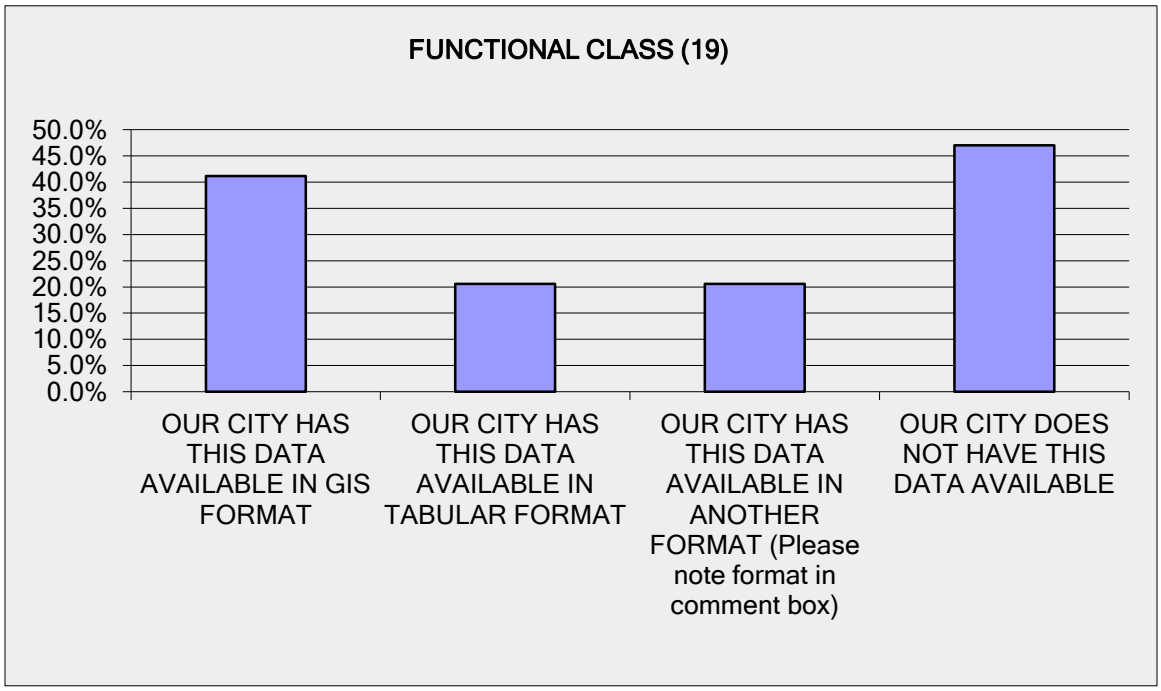


Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	GIS, Mobility, Paver
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	Mobility CRAB
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
PACIFIC	lnewkirk@ci.pacific.wa.us	We have all of our city data on an AutoCAD map. We are converting it to GIS.

Question 48

FUNCTIONAL CLASS (19)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	41.2%	14
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	20.6%	7
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	20.6%	7
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	47.1%	16
Other (please specify)		8
answered question (paper)		2
answered question (online)		32
skipped question		38

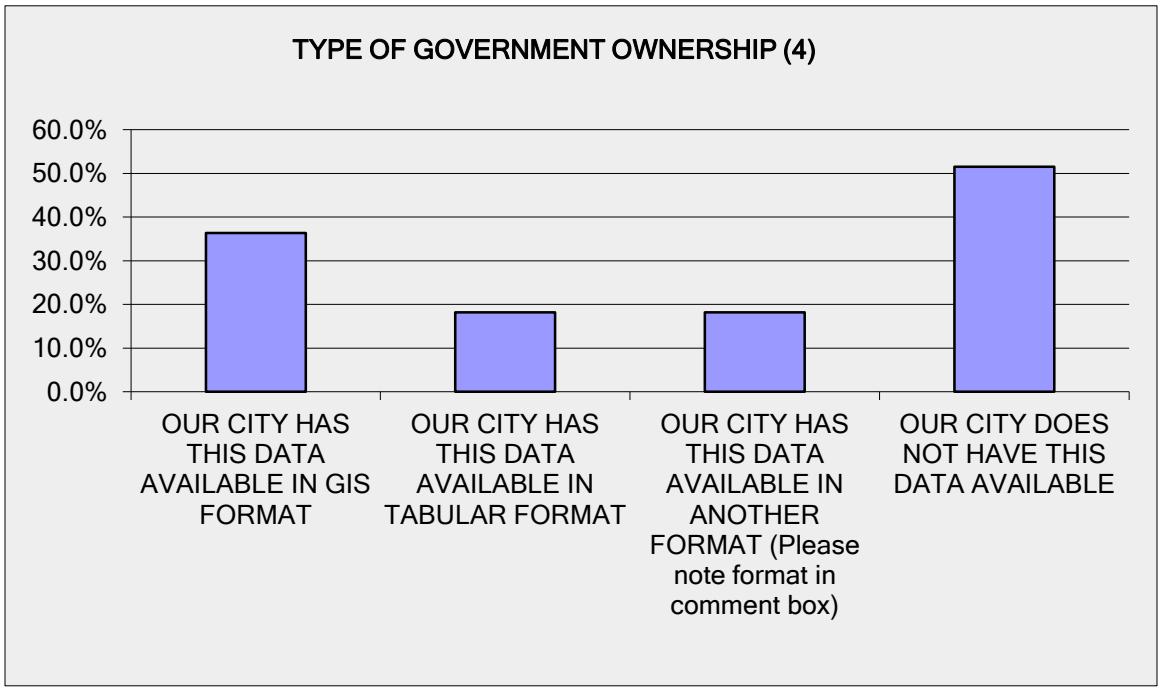


Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	GIS, Arterial Atlas, Mobility, Paver, Bridgeworks
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	Mobility CRAB
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
PACIFIC	lnewkirk@ci.pacific.wa.us	We have all of our city data on an AutoCAD map. We are converting it to GIS.

Question 49

TYPE OF GOVERNMENT OWNERSHIP (4)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	36.4%	12
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	18.2%	6
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	18.2%	6
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	51.5%	17
Other (please specify)		9
answered question (paper)		2
answered question (online)		31
skipped question		39

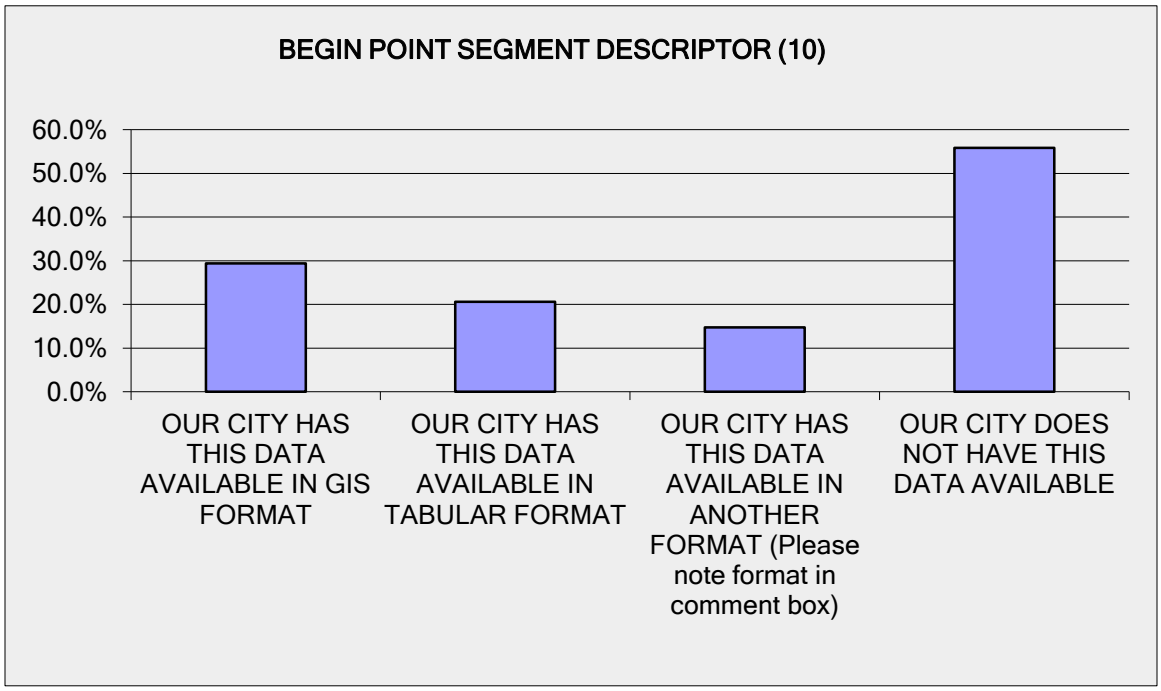


Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
CLARK COUNTY	Carolyn.Heniges@clark.wa.gov	GIS, Bridgeworks,
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	Mobility CRAB
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility
ROY	roycityhall@cityofroywa.us	local government
PACIFIC	lnewkirk@ci.pacific.wa.us	We have all of our city data on an AutoCAD map. We are converting it to GIS.

Question 50

BEGIN POINT SEGMENT DESCRIPTOR (10)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	29.4%	10
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	20.6%	7
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	14.7%	5
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	55.9%	19
Other (please specify)		6
answered question (paper)		2
answered question (online)		32
skipped question		38

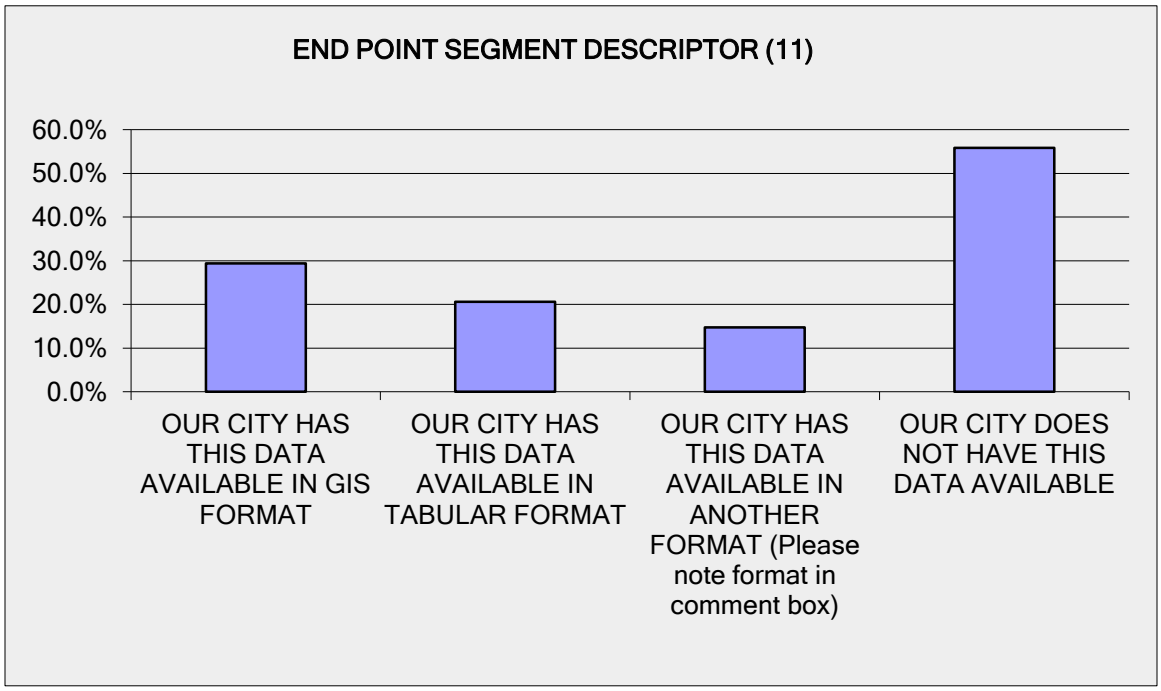


Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	Mobility CRAB
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility

Question 51

END POINT SEGMENT DESCRIPTOR (11)		
Answer Options	**Response Percent**	**Response Count**
OUR CITY HAS THIS DATA AVAILABLE IN GIS FORMAT	29.4%	10
OUR CITY HAS THIS DATA AVAILABLE IN TABULAR FORMAT	20.6%	7
OUR CITY HAS THIS DATA AVAILABLE IN ANOTHER FORMAT (Please note format in comment box)	14.7%	5
OUR CITY DOES NOT HAVE THIS DATA AVAILABLE	55.9%	19
Other (please specify)		6
answered question (paper)		2
answered question (online)		32
skipped question		38



Notes in Comment Box

ID	Email Address	Comment
TACOMA	jdiekmann@ci.tacoma.wa.us	LUCITY - ASSET MANAGEMENT SYSTEM
PIERCE COUNTY	cbui@co.pierce.wa.us	Also available as a database - software "Mobility" provided by the Washington State's County Road Administration Board (CRAB) for counties.
SNOHOMISH COUNTY	jeri.hokanson@co.snohomish.wa.us	Mobility
CHELAN COUNTY	eric.pierson@co.chelan.wa.us	Mobility CRAB
COWLITZ COUNTY	AndrewsC@co.cowlitz.wa.us	This is in the County Road Administration Board Mobility database.
DOUGLAS COUNTY	jroozen@co.douglas.wa.us	You have our permission to get the data from CRAB/Mobility

General Questions/Comments

ID	Email Address	General Questions/Comments
SEATTLE	craig.moore@seattle.gov	We have very few if any unpaved road in Seattle
TUMWATER	bhicks@ci.tumwater.wa.us	We probably have a lot of the information needed, just not sure if in the format needed. We have a lot of this in GIS, but the response is due today and I can't verify nor tell if in format needed.
SHORELINE	tjuhnke@shorelinewa.gov	Tabular format generally available for all checked GIS.
CLERK	clerk.washtucna@gmail.com	I have not seen any of this information? I am not sure on what some of these items you are looking for.
DOUGLAS COUNTY	brian.carlson@cityofvancouver.us	Please keep me up-to-date on this process.
ROY	roycityhall@cityofroywa.us	Sorry, we have no qualified staff to answer these questions.
WSDOT	EndersM@wsdot.wa.gov	Small City, we rely on TIB, DOT, FHWA and County for GIS information