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**PLANNING DIRECTOR**  
Mori R. Byington

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## MEETING NOTICE AND AGENDA

Technical Advisory Committee  
BTPO Conference Room  
Monday, October 26, 2020  
9:30 am

**Remote meeting information**  
<https://global.gotomeeting.com/join/684464925>  
**You can also dial in using your phone.**  
United States: [+1 \(872\) 240-3212](tel:+18722403212)  
**Access Code:** 684-464-925

- 1. TAC minutes from September 28, 2020 (Action Item)**– The TAC will consider the minutes from the September 28, 2020 meeting.
- 2. Traffic Data Collection**
- 3. Traffic Count Data Online**
- 4. Committee Member Reports** – Agenda item provides committee members time to update the group on activities that could affect regional transportation planning.

**November 23, 2020, is the next meeting scheduled.**



## **Agenda Item #1 TAC Minutes from September 28, 2020**

**Meeting Date:** October 26, 2020

**Summary of Item:**

**Technical Advisory Committee**

**Monday, September 28, 2020**

**9:30 am**

**BTPO Office**

**Minutes**

### **Members Attending:**

Merril Quayle – City of Pocatello

Corey Krantz – Idaho Transportation Department

Jeff Mansfield – City of Pocatello

Tom Kirkman – City of Pocatello (Conference Call)

Bridger Morrison – City of Chubbuck (Conference Call)

Don Matson – City of Chubbuck (Conference Call)

Matthew Lewis – City of Pocatello

Clay Wood – Idaho Department of Environmental Quality (Conference Call)

Chris Peirsol – Idaho Transportation Department

### **Others Attending:**

Mori Byington – BTPO

Mike Neville – City of Pocatello

Jesus Villa – Idaho Transportation Department

### **Members Not in Attendance:**

Russ Meredith – Pocatello Regional Transit (Conference Call)

Meeting called to order by Chair Merrill Quayle at 9:31 am

### **Agenda Item #1 – Approval of TAC minutes from August 24, 2020**

*Corey Krantz noted a spelling error in agenda item #2. Jeff Mansfield made a motion to approve the agenda item 1, Minutes of the August 24, 2020 meeting; the motion seconded by Tom Kirkman; motion passed.*

### **Agenda Item #2 – Pocatello Regional Transit Stop Accessibility Report**

Mori reviewed the purpose and the results of the stop accessibility report. A story map was used to present the results of the study. *Chris Peirsol made a motion to recommend to the Policy Board approval of the Pocatello Regional Transit Stop Accessibility Report; Don Matson seconded the motion, motion passes.*

### **Agenda Item #3 – Un-Signalized Intersection Study**

Mori reviewed the purpose of the study and the proposed study intersections. The TAC recommended adding

- East Chubbuck Road and Whitaker Road
- I-15 Exit 67 both on and off-ramps

**Agenda Item #4 – Intelligent Transportation System Study Scope of Work**

Mori reviewed the Old ITS plan for district 5. The proposed work task would eliminate incident management and maintenance management from the list. The TAC discussed the functions and decided to keep the five functions from the 2010 plan. Mori also reviewed the tasks for the draft scope of work. Merrill asked the TAC to review the draft and provide input.

**Agenda Item #5 – 2020 Housing Unit Summary**

Mori reviewed the annual housing unit growth numbers. The 2020 projected housing units is lower than the actual 2020 housing units. Mori reviewed the difference in projected and actual for the Districts and Traffic Analysis Zones.

**Agenda Item #6– Committee Member Reports**

Jeff Mansfield updated the committee on the possibility of advancing the Hawthorne and Quinn signal project and the center street underpass. Corey discussed the I-15/I-86 system interchange project and its effects on traffic patterns during the two year construction period.

The meeting adjourned by Merrill Quayle at 10:42 am

## Agenda Item 2: Traffic Data Collection

**Meeting Date:** October 26, 2020

### Summary of Item:

A task in the Unified Planning Work Program is a review of traffic data collection. The 2015 Traffic Data Program only considered vehicle traffic count data. BTPO and the cities are trying to increase the data available on all non-state highway roadways. Over the next couple of meetings, I want to review the data collected for each data type.

### Highway Performance Monitoring System (HPMS)

Highway Performance Monitoring System is conducted as a statewide system. BTPO maintains a set of HPMS road segments to assist in vehicle miles traveled and other calculations. The HPMS includes only collectors and arterials.

Table 1 shows the data BTPO is collecting for each road segment. Percent Trucks and 85% speed are the two fields I have specific questions. The data was intended to provide a quick reference for design. I am a long way from completing the data collection for these fields. The data is for a specific road link within the segment. Some segments are miles in length.

Do we need the percent trucks for each segment?

Do we need an 85% speed for each segment?

Is there any data missing?

*Table 1 HPMS Database Fields*

Field	Description	Field	Description
Length	Length of the segment	AADT	The current Annual Average Daily Traffic for the segment
HMPS #	Locally assigned tracking number	AADT_16	Annual Average Daily Traffic for the segment in 2016
State_Code	Identification of state the roadway is located.	AADT_17	Annual Average Daily Traffic for the segment in 2017
FA_Route	The Federal-Aid route identification number	AADT_18	Annual Average Daily Traffic for the segment in 2018

Segment Code	Code for each section of road as assigned by ITD	AADT_19	Annual Average Daily Traffic for the segment in 2019
S_Name	Street Name	AADT_20	Annual Average Daily Traffic for the segment in 2020
From_Street	The cross street at the beginning of the segment	F_SYSTEM	Identifies the Functional Classification of the segment
To_Street	The cross street at the beginning of the segment	URBAN_CODE	Code Identifying the BTPO Planning Area
Begin_Point	The milepost of the cross street at the beginning of the segment	<b>Percent_Trucks</b>	<b>The percentage of the heavy vehicles for the specific location the count was conducted</b>
End_Point	The milepost of the cross street at the beginning of the segment	<b>Speed_85%</b>	<b>The 85% speed for the specific location the count was conducted</b>
Year_Counted	Last year the segment was counter	VMT_16	Vehicle Miles Traveled in 2016
Site_Counted	The site number of the intersection counted	VMT_17	Vehicle Miles Traveled in 2017
Urban_Area	Identifies if the segment is within the urban area	VMT_18	Vehicle Miles Traveled in 2018
PVNAA	Identified is the segment is within the BTPO planning area	VMT_19	Vehicle Miles Traveled in 2019
		VMT_20	Vehicle Miles Traveled in 2020

## **Local Road Inventory**

### **23 CFR § 924.17 – Model Inventory Roadway Elements**

The federal code requires the collection of fundamental data elements for all public roads. BTPO is trying to collect data for three of the six required elements. The segment, intersection, intersection leg are the three data elements collected by BTPO.

The City of Pocatello, City of Chubbuck, and BTPO are working with ISU to have an intern help collect the needed information. I have added some of the attributes to the BTPO centerline file. As the GIS group works towards a joint centerline file, I wanted to get input on the needed attributes.

**Attached is the Model Inventory of Roadway Elements. The bold fields are those that we currently collect. Please review the list and identify other elements we should collect.**

#### **Action Required:**

Input

## **MODEL INVENTORY OF ROADWAY ELEMENTS – MIRE VERSION 2.0 ROADWAY SEGMENT**

(The bold attributes represent what BTPO currently collects)

### Segment Location

1. **County Name**
2. County Code
3. Highway District
4. Type of Governmental Ownership
5. Specific Governmental Ownership
6. **City/Local Jurisdiction Name**
7. City/Local Jurisdiction Urban Code
8. **Route Number**
9. **Route/Street Name**
10. Begin Point Segment Descriptor
11. End Point Segment Descriptor
12. Segment Identifier
13. **Segment Length**
14. Route Signing
15. Route Signing Qualifier
16. Coinciding Route Indicator
17. Coinciding Route – Minor Route Information
18. Direction of Inventory

### Segment Classification

19. **Functional Class**
20. Rural/Urban Designation
21. Federal Aid
22. Route Type
23. **Access Control**

### Segment Cross Section

#### Surface Descriptors

24. Surface Type
25. Total Paved Surface Width
26. Surface Friction
27. Surface Friction Date
28. International Roughness Index (IRI)
29. International Roughness Index (IRI) Date
30. Pavement Condition (Present Serviceability Rating [PSR])
31. Pavement Condition (PSR) Date

#### Lane Descriptors

32. **Number of Through Lanes**
33. **Outside Through Lane Width**

### **34. Inside Through Lane Width**

- 35. Cross Slope
- 36. Auxiliary Lane Presence/Type
- 37. Auxiliary Lane Length
- 38. High-occupancy Vehicle (HOV) Lane Presence/Type
- 39. HOV Lanes
- 40. Reversible Lanes

### **41. Presence/Type of Bicycle Facility**

### **42. Width of Bicycle Facility**

- 43. Number of Peak Period Through Lanes

### Shoulder Descriptors

- 44. Right Shoulder Type
- 45. Right Shoulder Total Width
- 46. Right Paved Shoulder Width
- 47. Right Shoulder Rumble Strip Presence/Type
- 48. Left Shoulder Type
- 49. Left Shoulder Total Width
- 50. Left Paved Shoulder Width
- 51. Left Shoulder Rumble Strip Presence/Type

### **52. Sidewalk Presence**

### **53. Curb Presence**

### **54. Curb Type**

### Median Descriptors

### **55. Median Type**

### **56. Median Width**

### **57. Median Barrier Presence/Type**

- 58. Median (Inner) Paved Shoulder Width
- 59. Median Shoulder Rumble Strip Presence/Type
- 60. Median Sideslope
- 61. Median Sideslope Width
- 62. Median Crossover/Left-Turn Lane Type

### Roadside Descriptors

- 63. Roadside Clear zone Width
- 64. Right Sideslope
- 65. Right Sideslope Width
- 66. Left Sideslope
- 67. Left Sideslope Width
- 68. Roadside Rating
- 69. Tapered Edge
- 70. **Major Commercial Driveway Count**
- 71. Minor Commercial Driveway Count
- 72. Major Residential Driveway Count
- 73. Minor Residential Driveway Count
- 74. Major Industrial/Institutional Driveway Count
- 75. Minor Industrial/Institutional Driveway Count
- 76. Other Driveway Count



## Other Segment Descriptors

- 77. Terrain Type
- 78. Number of Signalized Intersections in Segment
- 79. Number of Stop-Controlled Intersections in Segment
- 80. Number of Uncontrolled/Other Intersections in Segment
- 81. **Annual Average Daily Traffic (AADT)**
- 82. AADT Year
- 83. AADT Annual Escalation Percentage
- 84. Percent Single Unit Trucks or Single Truck AADT
- 85. Percent Combination Trucks or Combination Truck AADT
- 86. Percentage Trucks or Truck AADT
- 87. Total Daily Two-Way Pedestrian Count/Exposure
- 88. Bicycle Count/Exposure
- 89. Motorcycle Count or Percentage
- 90. Hourly Traffic Volumes (or Peak and Off peak AADT)
- 91. K-Factor
- 92. Peak Hour Directional Factor

## Traffic Operation/Control Data

- 93. One/Two-Way Operations FDE
- 94. **Speed Limit**
- 95. Truck Speed Limit
- 96. Nighttime Speed Limit
- 97. 85th Percentile Speed
- 98. Mean Speed
- 99. **School Zone Indicator**
- 100. **On-Street Parking Presence**
- 101. **On-Street Parking Type**
- 102. Roadway Lighting
- 103. Toll Charged
- 104. Toll Type
- 105. Edgeline Presence/Width
- 106. Centerline Presence/Width
- 107. Centerline Rumble Strip Presence/Type
- 108. Passing Zone Percentage
- 109. Bridge Numbers for Bridges in Segment

### **Agenda Item 3: Traffic Count Data Online**

**Meeting Date:** October 26, 2020

#### **Summary of Item:**

I have been considering adding additional information to the online traffic count map. The current map <https://arcg.is/05DeOb> only includes daily traffic counts by year. I am considering adding the hourly counts as an attachment. Before I did this, I wanted to check with the TAC.

- Do you see a benefit to adding the hourly counts?
- The sheet does not include an average, should it?
- The sheet has Saturday and Sunday. Those days are rarely counted, should I remove them from the sheet.

County	Bannock																						
Month																							
Intersection	Main St and E Lewis St																						
Location	E Lewis St north of Main St																						
Time of Day	Sunday			Monday			Tuesday			Wednesday			Thursday			Friday			Saturday				
	5-Oct-20			6-Oct-20			7-Oct-20			8-Oct-20			9-Oct-20										
	Road	North	South	Road	North	South	Road	North	South	Road	North	South	Road	North	South	Road	North	South	Road	North	South		
0:00	0			20	20		42	42		31	31		30	30		0			0				
1:00	0			20	20		29	29		30	30		21	21		0			0				
2:00	0			12	12		16	16		14	14		26	26		0			0				
3:00	0			10	10		19	19		19	19		18	18		0			0				
4:00	0			38	38		39	39		29	29		33	33		0			0				
5:00	0			58	58		62	62		58	58		60	60		0			0				
6:00	0			106	106		113	113		90	90		106	106		0			0				
7:00	0			288	288		268	268		258	258		272	272		0			0				
8:00	0			424	424		418	418		328	328		383	383		0			0				
9:00	0			317	317		295	295		303	303		309	309		0			0				
10:00	0			400	400		344	344		368	368		341	341		0			0				
11:00	0			413	413		445	445		390	390		381	381		0			0				
12:00	0			471	471		492	492		481	481		451	451		0			0				
13:00	0			486	486		516	516		444	444		453	453		0			0				
14:00	0			441	441		540	540		449	449		453	453		0			0				
15:00	0			514	514		533	533		492	492		546	546		0			0				
16:00	0			471	471		548	548		505	505		564	564		0			0				
17:00	0			548	548		535	535		504	504		531	531		0			0				
18:00	0			396	396		408	408		381	381		397	397		0			0				
19:00	0			275	275		336	336		284	284		286	286		0			0				
20:00	0			206	206		198	198		213	213		194	194		0			0				
21:00	0			122	122		140	140		118	118		166	166		0			0				
22:00	0			107	107		102	102		87	87		104	104		0			0				
23:00	0			61	61		60	60		52	52		77	77		0			0				
Total	0.00	0	0	6204	6204	0	6498	6498	0	5928	5928	0	6202	6202	0	0	0	0	0	0	0		
Adjustment Factor				1.02	1.02	1.02	1.05	1.05	1.05	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.03	1.03	1.03				
Adjusted				6336	6336	0	6837	6837	0	6154	1	0	6450	6450	0	0	0	0	0				
AM (7:00 to 8:00)				481	481	0	518	518	0	499	0	0	469	469	0	0	0	0	0				
Noon (12:00 to 13:00)				560	560	0	563	563	0	523	0	0	552	552	0	0	0	0	0				
PM (17:00 to 18:00)				109	109	0	107	107	0	90	0	0	108	108	0	0	0	0	0				