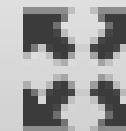


Low Volume Road Traffic Counts



Toggle Fullscreen
mode with this button
above



Use Chat box to
ask Questions

If you are reading this, then you are successfully seeing the **webinar video**. In addition to audio on the webinar, we have opened a phone conference line to allow attendees to listen and ask questions directly: **866-823-7699**. Please use either the webinar audio or conference line, but not both (will produce feedback)

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Webinar, including Q&A, will be recorded and available later. www.dirtandgravelroads.org

PENNSTATE
Center for Dirt and Gravel Road Studies

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edu/training

- ➔ esm course
- ➔ workshop
- ➔ tech assist
- ➔ **webinars**

road work

research

marcellus

trails

partners/links

Webinars:

In an effort to better communicate the many changes occurring within the Program, the PSU Center for Dirt and Gravel Roads will be scheduling a series of webinars in the coming months. The webinars will be directed at Conservation Districts, although anyone can join and there is no fee. These webinars will be topic-specific, not general program updates as some past webinars have been. The webinars will consist of 20-40 minutes of presentation, followed by 40-60 minutes of Q&A or discussion (90 minute max).

Webinar Link (no registration needed if you sign in as a guest): <https://meeting.psu.edu/cdgrs/>

Upcoming Webinars:

- **Traffic Count Policy for LVRs** (October 23, 2015 @ 9am ET): The traffic count presentation given at the 2014 workshop will be the basis for this webinar. We apologize for the short notice, but this is a time sensitive topic because traffic counts cannot be conducted after Thanksgiving

Past Webinars:

- [June 23, 2014](#) : The webinar consists of approximately 40 minutes of Program update presentation and 50 minutes of Question and Answer. We hope those of you who were unable to participate will find it useful.



Low Volume Road Traffic Counts



**Note this is essentially the same
presentation given at 2014
Maintenance Workshop**

**We will answer any logistical questions possible,
but focus is on policy.**

LVR Traffic Counts



- **Overview**
- **Policy**
 - **Use of Existing Data**
 - **Level 1 Count**
 - **Level 2 Count**
- **Miscellaneous**

For audio, call conference line: 866-823-7699

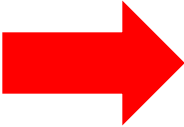
For assistance, call: 814-865-5355

DGLVR Law:

Section 27. Section 9106 heading, (a) and (b) of title 75 are amended to read:
§ 9106. Dirt ~~and~~ gravel and low volume road maintenance.

(A) **statement of purpose.** It is the intent and purpose of this section:

- (1) to fund safe, efficient and environmentally sound maintenance of sections of dirt and gravel roads which have been identified as sources of dust and sediment pollution.
- (2) to establish a dedicated and earmarked funding mechanism that provides streamlined appropriation to the county level and enables local officials to establish fiscal and environmental controls.



(3) to fund safe, efficient and environmentally sound maintenance of sections of low volume roads that are sealed or paved with an average daily traffic count of 500 vehicles or less.

(B) **general rule.**--Of the funds available under section 9502(a)(1) (relating to imposition of tax), ~~\$1,000,000~~ \$7,000,000 shall be annually distributed to the department of conservation and natural resources for the maintenance and mitigation of dust and sediment pollution from parks and forestry roads. Funds in the amount of ~~\$4,000,000~~ \$28,000,000 shall be appropriated annually to the state conservation commission and administered in a non-lapsing, nontransferable account restricted to maintenance and improvement of dirt ~~and~~ gravel and low volume state and municipal roads. The state conservation commission shall apportion the funds based on written criteria it develops to establish priorities based on preventing dust and sediment pollution. In the first fiscal year, top priority shall be given to specific trouble spot locations already mapped by the task force on dirt and gravel roads and available from the department. A minimum of \$8,000,000 of the total appropriated annually shall be for maintenance and improvement of low volume roads. (NOTE: remainder of § 9106 remains unchanged)

DGLVR Law:

“ To fund safe, efficient, and environmentally sound maintenance of sections of low volume roads that are sealed or paved **with an average daily traffic count of 500 vehicles or less.**”

(Unpaved road do not need traffic counts!)

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

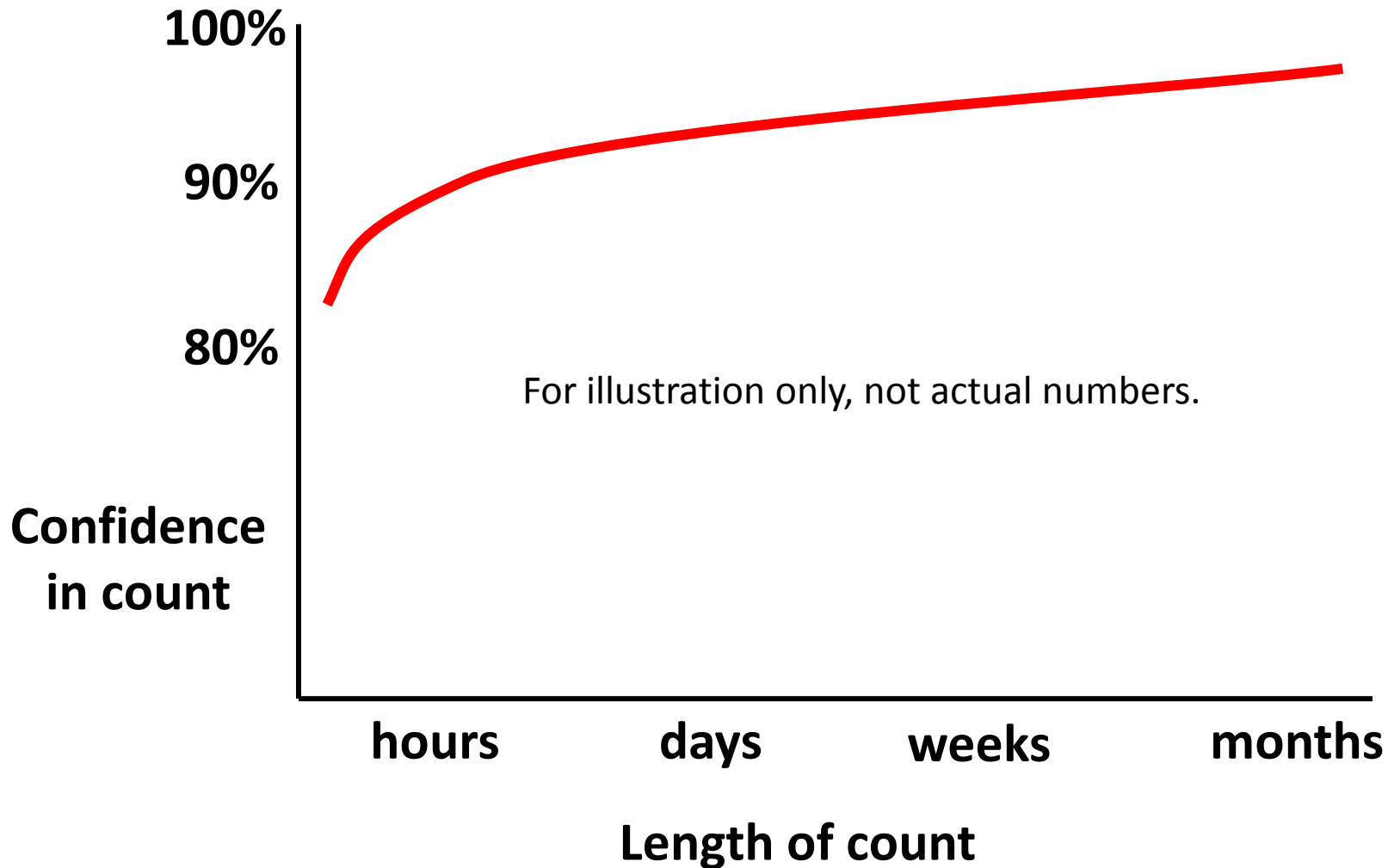
Traffic Counts are not quite as straightforward as they sound:

- FHWA has a standard method, recommends a 48 hour count.
- Nobody, including PennDOT, really uses the FHWA method directly.
- EVERY STATE has their own methods and policies.

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Traffic Counts are not quite as straightforward as they sound:



Traffic Counts, Our Goal:

- Verify within reason a road has ≤ 500 vehicles per day.
- **Simple, and accurate enough.**

For audio, call conference line: 866-823-7699

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Traffic Counts, Our Goal:

- Verify within reason a road has ≤ 500 vehicles per day.
- **Simple, and accurate enough.**

~~AADT~~

Average Annual Daily Traffic

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

LVR Traffic Counts



- Overview
- **Policy**
 - Use of Existing Data
 - Level 1 Count
 - Level 2 Count
- Miscellaneous

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Responsibility:

- Applicant is responsible for providing traffic counts before a contract can be signed.
- Conservation District is responsible for verifying that a count exists, and that the count meets the criteria established in state and local policy.

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Program Policy (adopted 9/9/14 by SCC):

- Use existing data.
- Level 1 count (2 hour).
- Level 2 count (24 hour).

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Program Policy (adopted 9/9/14 by SCC):

- **This policy sets the minimum statewide Program standard.**
- **Your County can enact stricter count standards.**
- More to come on this at the end

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Traffic Count Validation Form:

- Standard form
- Keep with project files.

Dirt, Gravel, and Low Volume Road Maintenance Program (DGLVRP)

Traffic Count Validation Form

TRAFFIC COUNT LOCATION

Road Name and #: _____ Road Owner: _____

County: _____ Township: _____

GPS Location (if available): _____ W, _____ N

If GPS location not available, describe count location here: _____

(for example: Traffic count on Smith road, 1/2 mile north of intersection with SR180, Maple road.)

Traffic Counts can be validated by use of existing data, a level 1 two-hour count, or a level 2 twenty-four-hour counts. Select the method used below and complete that section of the form.

Existing Data or Extrapolation: For existing traffic data, or extrapolation of existing data, describe the data used and extrapolation method on the back of this page. If necessary, attach a description of the data and extrapolation methodology, source and date of traffic counts used, and maps.

LEVEL 1 TRAFFIC COUNT DETAILS (2 hour count)

Count Performed From / / , : to / / , :
Date Time Date Time

Describe Count Method: (hand/camera/counter/etc.) _____

Count Performed by: _____ of _____
(name) (organization)

Total Count = _____ vehicles x 12 = _____ ADT

LEVEL 2 TRAFFIC COUNT DETAILS (24 hour (minimum) automatic count)

Count Length: 24hr 48hr 72 hour other: _____

Count Performed From / / , _____ to / / , _____
Date Time Date Time

Counter Used: air tube radar other: _____ Counter Make/Model: _____

Count Performed by: _____ of _____
(name) (organization)

Total Count = _____ 24 hour count = _____ ADT

Applicant Validation: I hereby swear that this count is accurate as reported here and done in accordance with State Conservation Commission specifications.

_____, _____, _____, _____
print name position (with applicant) signature date

Conservation District Validation: The traffic count data supplied by the applicant is acceptable to the Conservation District in accordance with SCC and county policy.

_____, _____, _____, _____
print name position signature date
I hereby verify eligibility of a sealed road for LVR funding as having a traffic count of 500 vehicles per day or less. It must be signed and filed in the project files.

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Traffic Count Validation Form:

- Standard form
- Keep with project files.

Dirt, Gravel, and Low Volume Road Maintenance Program (DGLVRP)
Traffic Count Validation Form

TRAFFIC COUNT LOCATION

Road Name and #: _____ Road Owner: _____
 County: _____
 GPS Location (if available): _____
 If GPS location not available, describe count location here: _____
(for example: Traffic count on Smith road, 1/2 mile north of intersection with SR180, Maple road.)

Road Information

Traffic Counts can be validated by use of existing data, a level 1 two-hour count, or a level 2 twenty-four-hour counts. Select the method used for this count.

Existing Data or data used and data and extra _____
Select method used

LEVEL 1 TRAFFIC COUNT DETAILS (2 hour count)
 Count Performed From ____/____/____, ____:____ to ____/____/____, ____:____
Date Time Date Time
 Describe Count _____
 Count Performed by _____ (organization)
 Total Count = _____ vehicles x 12 = _____ ADT

LEVEL 2 TRAFFIC COUNT DETAILS (24 hour (minimum) automatic count)
 Count Length: 24hr 48hr 72 hour other: _____
 Count Performed From ____/____/____, ____:____ to ____/____/____, ____:____
Date Time Date Time
 Counter Used: _____ Make/Model: _____
 Count Performed by _____ (organization)
 Total Count = _____ 24 hour count = _____ ADT

Applicant Validation: I hereby swear that this count is accurate as reported here and done in accordance with State Conservation Commission specifications.

_____, _____, _____, _____
print name position (with applicant) signature date

Conservation District Validation: The information provided by the applicant is acceptable to the Conservation District.

_____, _____, _____, _____
print name position signature date
 I hereby certify that the applicant has verified eligibility of a sealed road for LVR funding as having a traffic count of 500 vehicles per day or less. It must be signed and kept in the project files.

Validation

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Traffic Count Validation Form:

- Standard form
- Keep with project files.

Dirt, Gravel, and Low Volume Road Maintenance Program (DGLVRP)
Traffic Count Validation Form

TRAFFIC COUNT LOCATION

Road Name and #: _____ Road Owner: _____

County: _____

GPS Location (if available): _____

If GPS location not available, describe count location here: _____

(for example: Traffic count on Smith road, 1/2 mile north of intersection with SR180, Maple road.)

Traffic Counts can be validated by use of existing data, a level 1 two-hour count, or a level 2 twenty-four-hour counts. Select the method used below and complete that section of the form.

Existing Data or Extrapolation: For existing traffic data, or extrapolation of existing data, describe the data used and extrapolation method on the back of this page. If necessary, attach a description of the data and extrapolation methodology, source and date of traffic counts used, and maps.

LEVEL 1 TRAFFIC COUNT DETAILS (2 hour count)

Count Performed From / / , : to / / , :

Describe Count Method: (hand/camera/counter/etc.) _____

Count Performed by: _____ of _____

(name) (organization)

Total Count = _____ vehicles x 12 = _____ **ADT**

LEVEL 2 TRAFFIC COUNT DETAILS (24 hour (minimum) automatic count)

Count Length: 24hr 48hr 72 hour other: _____

Count Performed From / / , : to / / , :

Counter Used: air tube radar other: _____ Counter Make/Model: _____

Count Performed by: _____ of _____

(name) (organization)

Total Count = _____ 24 hour count = _____ **ADT**

Applicant Validation: I hereby swear that this count is accurate as reported here and done in accordance with State Conservation Commission specifications.

_____ / _____ / _____ / _____

print name position (with applicant) signature date

Conservation District Validation: The traffic count data supplied by the applicant is acceptable to the Conservation District in accordance with SCC and county policy.

_____ / _____ / _____ / _____

print name position signature date

_____ verifies eligibility of a sealed road for LVR funding as having a traffic count of 500 vehicles per day or less. It must be signed and kept in the project files.

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Traffic Count Validation Form:

Road Information

Dirt, Gravel, and Low Volume Road Maintenance Program (DGLVRP) Traffic Count Validation Form

TRAFFIC COUNT LOCATION

Road Name and #: _____ Road Owner: _____

County: _____ Township: _____

GPS Location (if available): _____ W, _____ N

If GPS location not available, describe count location here: _____

(for example: Traffic count on Smith road, 1/2 mile north of intersection with SR180, Maple road.)

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

LVR Traffic Counts

- Overview
- **Policy**
 - **Use of Existing Data**
 - **Level 1 Count**
 - **Level 2 Count**
- **Miscellaneous**

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Municipal Roads

- Less than 5% have actual counts.
- Many more have estimates, but estimates cannot be used.
- Counts are valid for 5 years.
- Check with your planning commission.

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

PennDOT Roads

- Have good traffic data

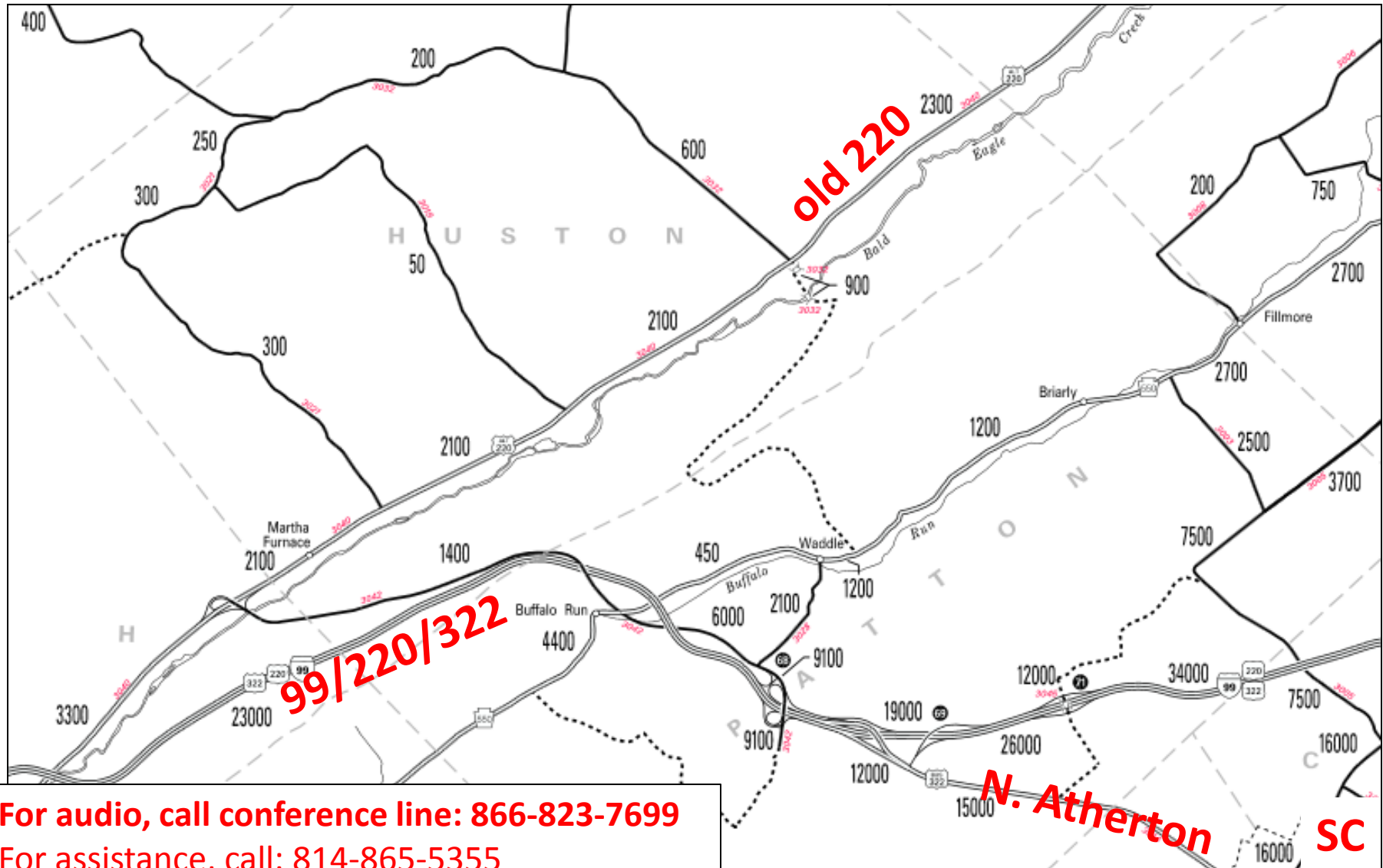
<http://www.dot.state.pa.us/Internet/bureaus/pdplanres.nsf/infoBPRTrafficInfoTrafficVolumeMap>

- Can be used to extrapolate to local roads

For audio, call conference line: 866-823-7699

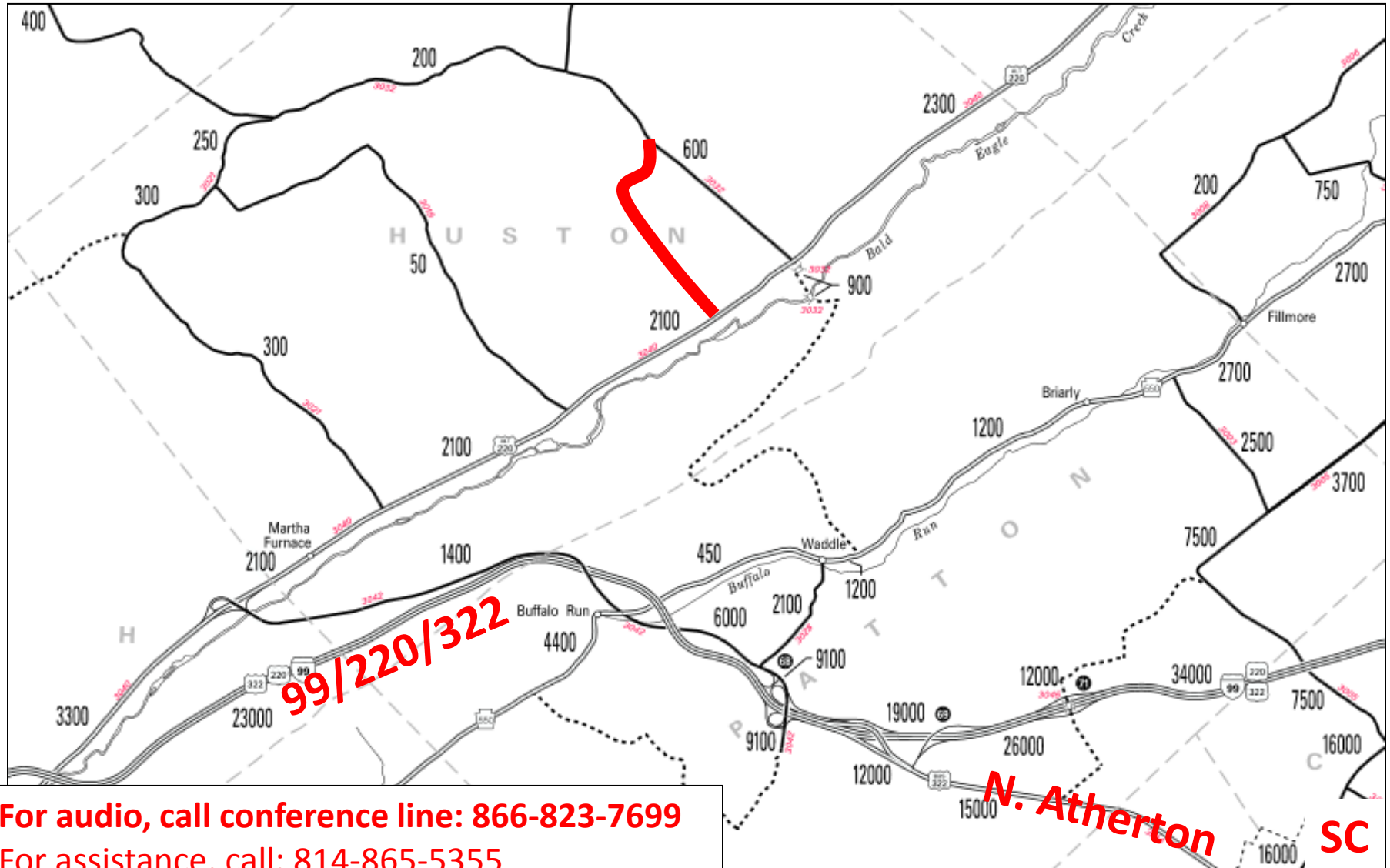
For assistance, call: 814-865-5355

PennDOT Roads: example map



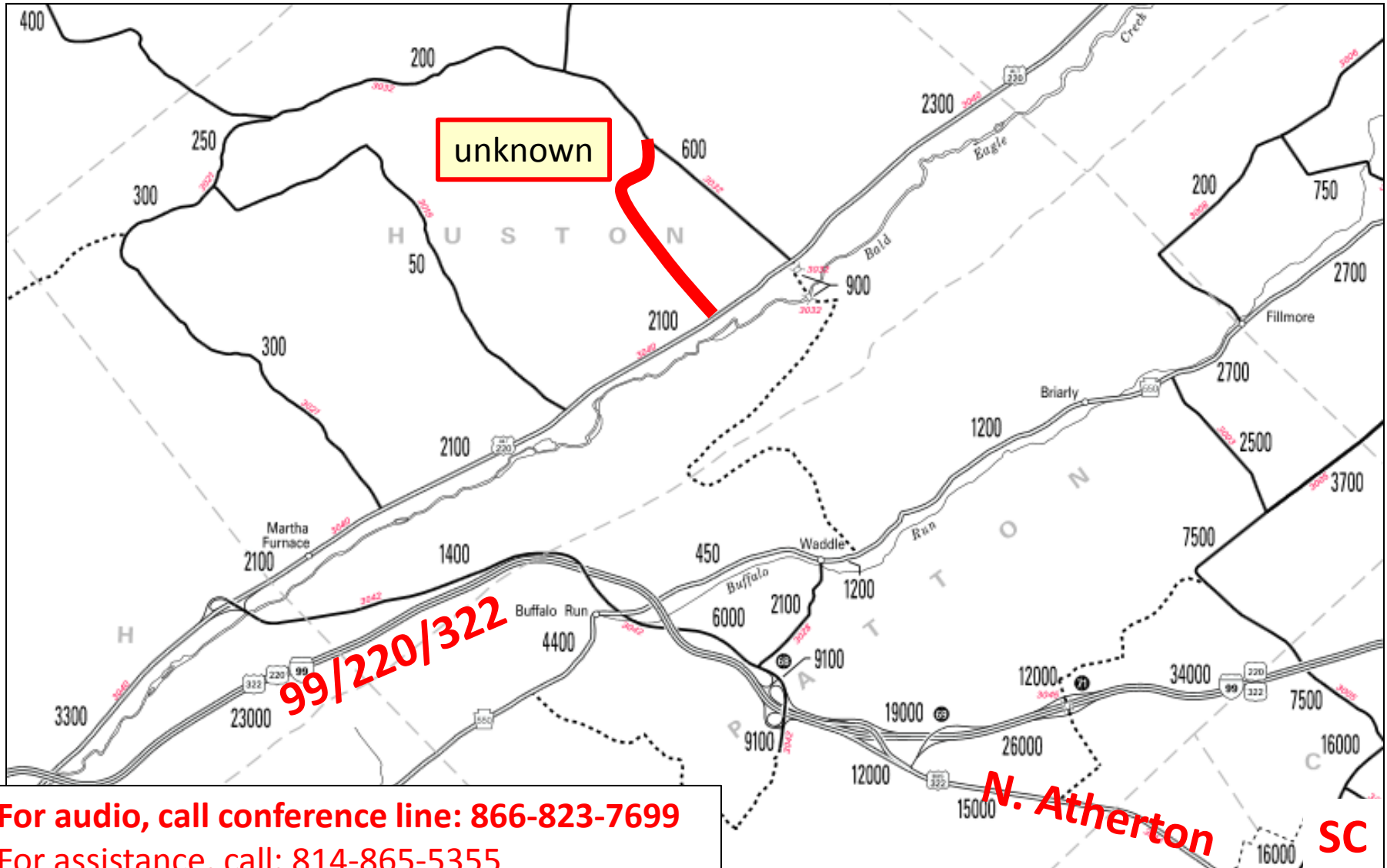
For audio, call conference line: 866-823-7699
For assistance, call: 814-865-5355

PennDOT Roads: example map



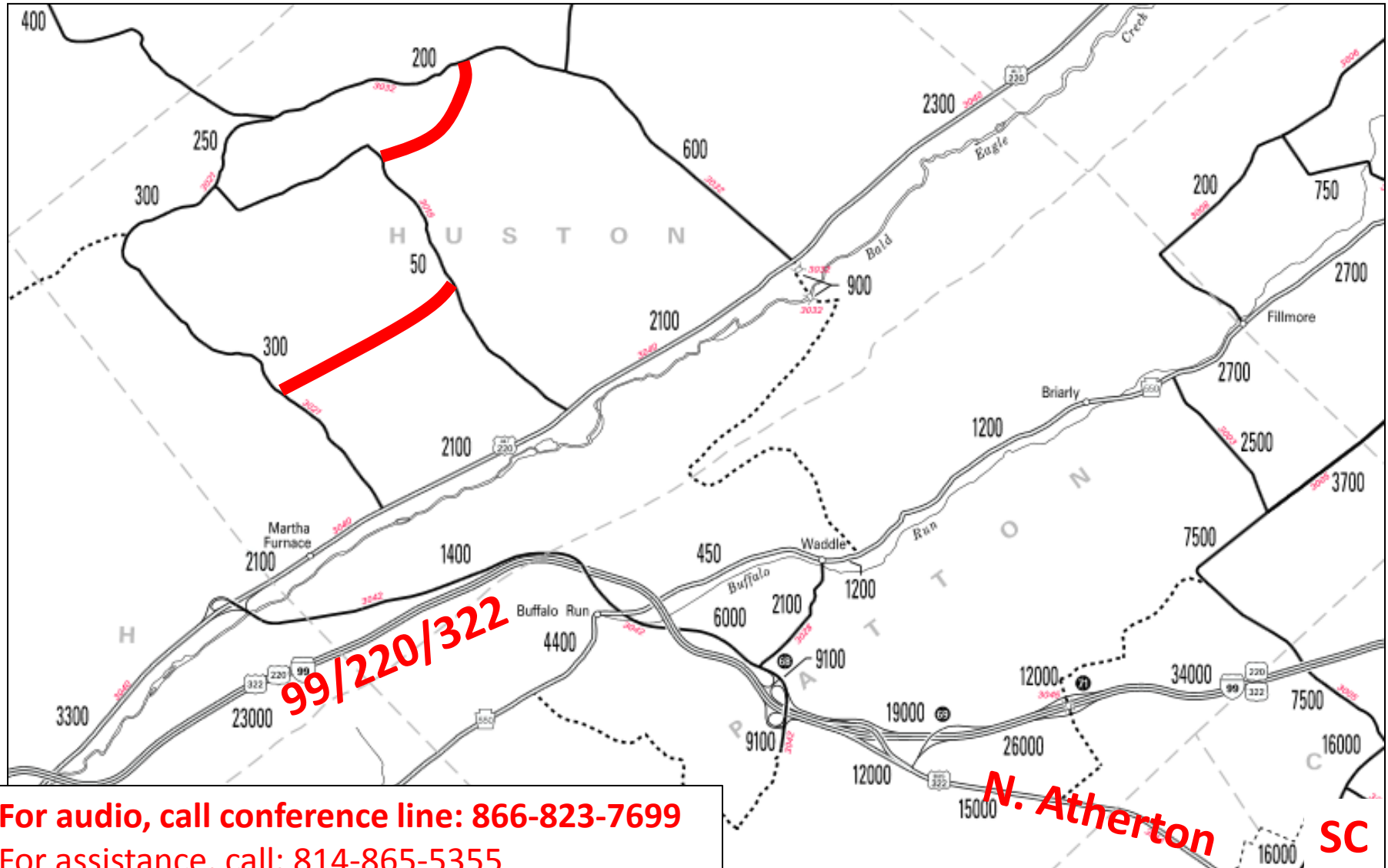
For audio, call conference line: 866-823-7699
For assistance, call: 814-865-5355

PennDOT Roads: example map



For audio, call conference line: 866-823-7699
For assistance, call: 814-865-5355

PennDOT Roads: example map



Traffic Count Validation Form:

- Standard form
- Keep with project files.

Dirt, Gravel, and Low Volume Road Maintenance Program (DGLVRP)
Traffic Count Validation Form

TRAFFIC COUNT LOCATION

Road Name and #: _____ Road Owner: _____

County: _____ Township: _____

GPS Location (if available): _____ W, _____ N

If GPS location not available, describe count location here: _____

(for example: Traffic count on Smith road, 1/2 mile north of intersection with SR180, Maple road.)

Traffic Counts can be validated by use of existing data, a level 1 two-hour count, or a level 2 twenty-four-hour counts. Select the method used below and complete that section of the form.

Existing Data or Extrapolation: For existing traffic data, or extrapolation of existing data, describe the data used and extrapolation method on the back of this page. If necessary, attach a description of the data and extrapolation methodology, source and date of traffic counts used, and maps.

LEVEL 1 TRAFFIC COUNT DETAILS (2 hour count)

Count Performer: _____

Describe Count Location: _____

Count Performed by: _____ of _____
(name) (organization)

Total Count = _____ vehicles x 12 = _____ ADT

LEVEL 2 TRAFFIC COUNT DETAILS (24 hour (minimum) automatic count)

Count Length: 24hr 48hr 72 hour other: _____

Count Performed From _____ to _____
Date Time Date Time

Counter Used: air tube radar other: _____ Counter Make/Model: _____

Count Performed by: _____ of _____
(name) (organization)

Total Count = _____ 24 hour count = _____ ADT

Applicant Validation: I hereby swear that this count is accurate as reported here and done in accordance with State Conservation Commission specifications.

_____, _____, _____, _____
print name position (with applicant) signature date

Conservation District Validation: The traffic count data supplied by the applicant is acceptable to the Conservation District in accordance with SCC and county policy.

_____, _____, _____, _____
print name position signature date

_____ verifies eligibility of a sealed road for LVR funding as having a traffic count of 500 vehicles per day or less. It must be signed and filed in the project files.

Use Existing Traffic Data

For audio, call conference line: 866-823-7699
For assistance, call: 814-865-5355

Traffic Count Validation Form:

Existing Data

Traffic Counts can be validated by use of existing data, a level 1 two-hour count, or a level 2 twenty-four-hour counts. Select the method used below and complete that section of the form.

Existing Data or Extrapolation: For existing traffic data, or extrapolation of existing data, describe the data used and extrapolation method on the back of this page. If necessary, attach a description of the data and extrapolation methodology, source and date of traffic counts used, and maps.

front

back

Details for use of existing data or extrapolation from existing data:

Existing Data must have been collected within the previous 5 years and conform to the Program's Level 2 count protocol at a minimum. "Estimated" traffic counts that exist for many municipal roads cannot be used.

It is possible to use existing data for roads with 500 vehicles per day or less to extrapolate logically to subsidiary roads. For example, a spur road between two State Roads where both state roads have less than 500 vehicles per day must also have less than 500. This extrapolation of data can be used to verify that a road has 500 vehicles per day or less without performing a count. This extrapolation of traffic counts must prove the ADT on the road is 500 or less to the satisfaction of the Conservation District.

Describe existing data used and extrapolation methodology below. Attach additional material and maps if needed.

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

LVR Traffic Counts



- Overview
- **Policy**
 - Use of Existing Data
 - **Level 1 Count**
 - Level 2 Count
- Miscellaneous

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Level 1 Counts

- Count traffic for two hours at the busiest time of the day (3-6pm) on a Tue, Wed, or Thr.
- While not as accurate, it is an “overestimation” of traffic counts.
- Counts of ≤ 500 mean road is eligible.

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Level 1 Counts

- Simple and quick.
- Designed to eliminate a lot of the very low volume roads with minimal effort.
- Hopefully it will suffice for >75% of the traffic counts we need.

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Level 1 Counts

Types of two Hour Counts

- **Manual Counts**
- **Video Counts**
- **Use of Counter** *(might as well do level 2!)*
- **Other?**

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Level 1 Counts

Must be done
between March 1
and the week before
Thanksgiving.

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Level 1 Counts

- Between March 1 and the week before Thanksgiving.
- On a Tuesday, Wednesday, or Thursday.
- Two consecutive hours between 3:00 pm & 6:00 pm.

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Level 1 Counts

- Between March 1 and the week before Thanksgiving.
- On a Tuesday, Wednesday, or Thursday.
- Two consecutive hours between 3:00 pm & 6:00 pm.
- No holidays, or the day before or after a holiday.
- Direction of travel or type of vehicle does not matter.
- The traffic count for the time period will be adjusted to a 24 hour period by simply multiplying the 2 hour count volume times twelve (12)
- Only licensed motor vehicles should be counted.

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For assistance, call: 814-865-5355

Only licensed motor vehicles should be counted...



For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Level 1 Counts

- A Level 1 count that yields 600 vehicles per day does not disqualify a road since it represents an overestimation.
- It simply means that a Level 2 count is needed if they wish to pursue the project.

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Level 1 Counts

Example 1: A count for two consecutive hours between 4:00 & 6:00 pm produces a count of 25.

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Level 1 Counts

Example 1: A count for two consecutive hours between 4:00 & 6:00 pm produces a count of 25.

12 x 25 = 300 average daily count.

This worksite would be eligible (no level 2 count needed).

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For assistance, call: 814-865-5355

Level 1 Counts

Example 1: A count for two consecutive hours between 4:00 & 6:00 pm produces a count of 25.

12 x 25 = 300 average daily count.

This worksite would be eligible (no level 2 count needed).

Example 2: A traffic count for two consecutive hours between 3:30 pm & 5:30 pm produces a count of 53.

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For assistance, call: 814-865-5355

Level 1 Counts

Example 1: A count for two consecutive hours between 4:00 & 6:00 pm produces a count of 25.

12 x 25 = 300 average daily count.

This worksite would be eligible (no level 2 count needed).

Example 2: A traffic count for two consecutive hours between 3:30 pm & 5:30 pm produces a count of 53.

12 x 53 = 636 average daily count.

This does not disqualify the road. It simply means that a more accurate Level 2 Count is required if the applicant wants to continue to pursue Program funding.

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Traffic Count Validation Form:

- Standard form
- Keep with project files.

Dirt, Gravel, and Low Volume Road Maintenance Program (DGLVRP)
Traffic Count Validation Form

TRAFFIC COUNT LOCATION

Road Name and #: _____ Road Owner: _____

County: _____ Township: _____

GPS Location (if available): _____ W, _____ N

If GPS location not available, describe count location here: _____

(for example: Traffic count on Smith road, 1/2 mile north of intersection with SR180, Maple road.)

Traffic Counts can be validated by use of existing data, a level 1 two-hour count, or a level 2 twenty-four-hour counts. Select the method used below and complete that section of the form.

Existing Data or Extrapolation: If use of existing data, describe the data used and extrapolation method. If use of data and extrapolation, attach a description of the data used, and maps.

LEVEL 1 TRAFFIC COUNT DETAILS (2 hour count)

Count Performed From / / , : to / / , :

Describe Count Method: (hand/camera/counter/etc.) _____

Count Performed by: _____ of _____

(name) (organization)

Total Count = _____ vehicles x 12 = _____ ADT

LEVEL 2 TRAFFIC COUNT DETAILS (24 hour (minimum) automatic count)

Count Length: 24hr 48hr 72 hour other: _____

Count Performed From / / , : to / / , :

Counter Used: air tube radar other: _____ Counter Make/Model: _____

Count Performed by: _____ of _____

(name) (organization)

Total Count = _____ 24 hour count = _____ ADT

Applicant Validation: I hereby swear that this count is accurate as reported here and done in accordance with State Conservation Commission specifications.

_____, _____, _____, _____

print name position (with applicant) signature date

Conservation District Validation: The traffic count data supplied by the applicant is acceptable to the Conservation District in accordance with SCC and county policy.

_____, _____, _____, _____

print name position signature date

_____ verifies eligibility of a sealed road for LVR funding as having a traffic count of 500 vehicles per day or less. It must be signed and kept in the project files.

Level 1 Counts

For audio, call conference line: 866-823-7699
For assistance, call: 814-865-5355

Traffic Count Validation Form:

Level 1 Counts



LEVEL 1 TRAFFIC COUNT DETAILS (2 hour count)

Count Performed From / / , : to / / , :
Date *Time* *Date* *Time*

Describe Count Method: (hand/camera/counter/etc.) _____

Count Performed by: _____ of _____
(name) *(organization)*

Total Count = _____ vehicles x 12 = _____ **ADT**

For audio, call conference line: 866-823-7699
For assistance, call: 814-865-5355

LVR Traffic Counts

- Overview
- **Policy**
 - Use of Existing Data
 - Level 1 Count
 - **Level 2 Count**
- **Miscellaneous**

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Level 2 Counts

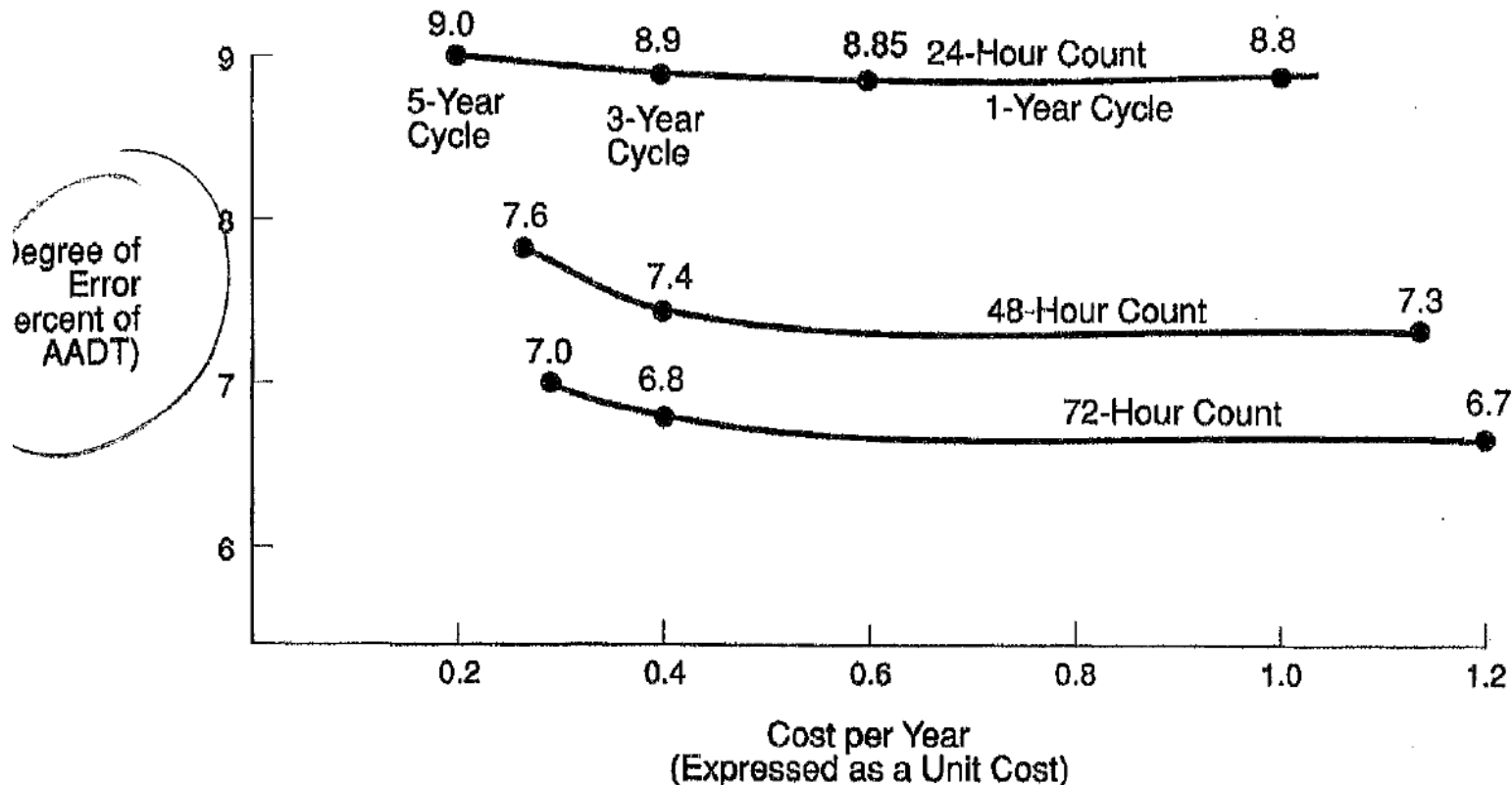
- 24 hour automated count.
- Why 24 hours...

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

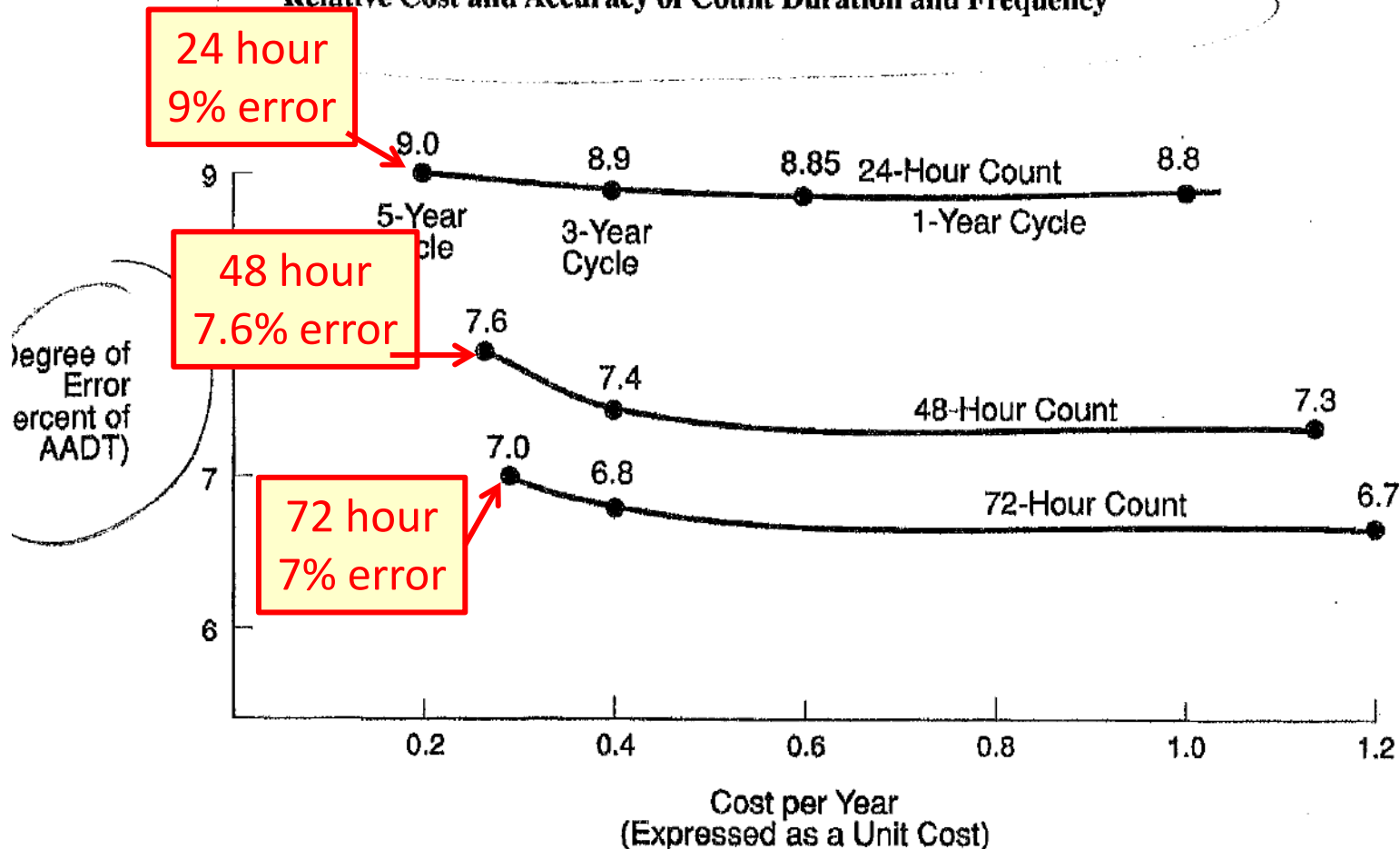
Traffic Counts not quite as straightforward as they sound:

FIGURE 3-3-1
Relative Cost and Accuracy of Count Duration and Frequency



Traffic Counts not quite as straightforward as they sound:

FIGURE 3-3-1
Relative Cost and Accuracy of Count Duration and Frequency



Level 2 Counts

- Any Counter type. Air tube most common.
- Only total traffic is needed, not vehicle type or hourly breakdowns.



For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Level 2 Counts

Must be done
Between March 1
and the week before
Thanksgiving.

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Level 2 Counts

- It must be conducted between March 1 and the week before Thanksgiving.
- It cannot be conducted on a holiday, or the day before or after a holiday.

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Level 2 Counts

- It must be conducted between March 1 and the week before Thanksgiving.
- It cannot be conducted on a holiday, or the day before or after a holiday.
- It must be conducted between 12 AM Tuesday and 12 AM Friday.
- It must be conducted for a minimum of 24 consecutive hours (hourly breakdowns not required).
- Only the number of vehicle passes is counted, regardless of direction of travel or type of vehicle.

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Level 2 Counts

- A Level 2 count that yields >500 vehicles per day means a road is not eligible.
- Multiple Counts??? Up to you locally.

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Level 2 Counts

- Can be done by applicant.
- Can be contracted.
- *Could even be done by District*

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Cost of Contracted Counts

- Two 48 hour counts done for workshop
 - ~\$300 each
 - Company was not local (90 min, added to cost)
- Grouping counts will result in cost savings

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Location: Bellfont, PA
Location: Barnes Rd
Weather: Clear
Counter: TSTD

Site Code: 0000SPECIAL2
Station ID: 000000000000
Station ID: 000000000000

Longitude: 0' 0.0000 Undefined
Latitude: 0' 0.0000 Undefined

Start Time	Mon 22-Sep-14	Tue 23-Sep-14	Wed 24-Sep-14	Thu 25-Sep-14	Fri 26-Sep-14	Average Day	Sat 27-Sep-14	Sun 28-Sep-14	Week Average
12:00 AM	*	1	2	1	*	1	*	*	1
01:00	*	2	1	0	*	1	*	*	1
02:00	*	2	2	2	*	2	*	*	2
03:00	*	0	0	0	*	0	*	*	0
04:00	*	3	1	0	*	1	*	*	1
05:00	*	1	0	1	*	1	*	*	1
06:00	*	1	1	1	*	1	*	*	1
07:00	*	7	8	6	*	7	*	*	7
08:00	*	8	8	11	*	9	*	*	9
09:00	*	4	5	3	*	4	*	*	4
10:00	*	2	2	6	*	3	*	*	3
11:00	*	4	4	4	*	4	*	*	4
12:00 PM	*	13	8	11	*	11	*	*	11
01:00	*	7	5	*	*	6	*	*	6
02:00	*	8	9	*	*	8	*	*	8
03:00	*	10	6	*	*	8	*	*	8
04:00	*	8	13	*	*	10	*	*	10
05:00	*	16	13	*	*	14	*	*	14
06:00	*	24	9	*	*	16	*	*	16
07:00	*	8	10	*	*	9	*	*	9
08:00	*	4	3	*	*	4	*	*	4
09:00	2	2	2	*	*	2	*	*	2
10:00	1	2	1	*	*	1	*	*	1
11:00	3	0	0	*	*	1	*	*	1
Day Total	6	137	113	46	0	124	0	0	125
% Avg. WkDay	4.8%	110.5%	91.1%	37.1%	0.0%				
% Avg. Week	4.8%	110.5%	91.1%	37.1%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	08:00	07:00	08:00	-	08:00	-	-	08:00
Vol.	-	8	8	11	-	9	-	-	9
PM Peak	23:00	18:00	16:00	12:00	-	18:00	-	-	18:00
Vol.	3	24	13	11	-	16	-	-	16
Grand Total	6	137	113	46	0	124	0	0	124

ADT 125

AADT 125

Traffic Count Validation Form:

- Standard form
- Keep with project files.

Dirt, Gravel, and Low Volume Road Maintenance Program (DGLVRP)
Traffic Count Validation Form

TRAFFIC COUNT LOCATION

Road Name and #: _____ Road Owner: _____
County: _____ Township: _____
GPS Location (if available): _____ W, _____ N
If GPS location not available, describe count location here: _____
(for example: Traffic count on Smith road, 1/2 mile north of intersection with SR180, Maple road.)

Traffic Counts can be validated by use of existing data, a level 1 two-hour count, or a level 2 twenty-four-hour counts. Select the method used below and complete that section of the form.

Existing Data or Extrapolation: For existing traffic data, or extrapolation of existing data, describe the data used and extrapolation method on the back of this page. If necessary, attach a description of the data and extrapolation methodology, source and date of traffic counts used, and maps.

LEVEL 1 TRAFFIC COUNT DETAILS (2 hour count)

Count Performed From ____/____/____, ____:____ to ____/____/____, ____:____
(Date Time Date Time)

Describe Count Method: (hand/camera/counter/etc.) _____

Count Performed by: _____ of _____
(name organization)

Total Count = _____

LEVEL 2 TRAFFIC COUNT DETAILS (24 hour (minimum) automatic count)

Count Length: 24hr 48hr 72 hour other: _____

Count Performed From ____/____/____, ____:____ to ____/____/____, ____:____
(Date Time Date Time)

Counter Used: air tube radar other: _____ Counter Make/Model: _____

Count Performed by: _____ of _____
(name organization)

Total Count = _____ 24 hour count = _____ **ADT**

Applicant Validation: I hereby swear that this count is accurate as reported here and done in accordance with State Conservation Commission specifications.

_____, _____, _____, _____
(print name position (with applicant) signature date)

Conservation District Validation: The traffic count data supplied by the applicant is acceptable to the Conservation District in accordance with SCC and county policy.

_____, _____, _____, _____
(print name position signature date)

_____ verifies eligibility of a sealed road for LVR funding as having a traffic count of 500 vehicles per day or less. It must be signed and filed in the project files.

For audio, call conference line: 866-823-7699

For assistance, call: 814-865-5355

Traffic Count Validation Form:

Level 2 Counts

LEVEL 2 TRAFFIC COUNT DETAILS (24 hour (minimum) automatic count)

Count Length: 24hr 48hr 72 hour other: _____

Count Performed From / / , to / / ,
Date Time Date Time

Counter Used: air tube radar other: _____ Counter Make/Model: _____

Count Performed by: _____ of _____
(name) (organization)

Total Count = _____ 24 hour count = _____ **ADT**

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Traffic Count Validation Form:

- Standard form
- Keep with project files.

Dirt, Gravel, and Low Volume Road Maintenance Program (DGLVRP)
Traffic Count Validation Form

TRAFFIC COUNT LOCATION

Road Name and #: _____ Road Owner: _____

County: _____ Township: _____

GPS Location (if available): _____ W, _____ N

If GPS location not available, describe count location here: _____

(for example: Traffic count on Smith road, 1/2 mile north of intersection with SR180, Maple road.)

Traffic Counts can be validated by use of existing data, a level 1 two-hour count, or a level 2 twenty-four-hour counts. Select the method used below and complete that section of the form.

Existing Data or Extrapolation: For existing traffic data, or extrapolation of existing data, describe the data used and extrapolation method on the back of this page. If necessary, attach a description of the data and extrapolation methodology, source and date of traffic counts used, and maps.

LEVEL 1 TRAFFIC COUNT DETAILS (2 hour count)

Count Performed From / / , : to / / , :

Date Time Date Time

Describe Count Method: (hand/camera/counter/etc.) _____

Count Performed by: _____ of _____

(name) (organization)

Total Count = _____ vehicles x 12 = _____ **ADT**

LEVEL 2 TRAFFIC COUNT DETAILS (24 hour (minimum) automatic count)

Count Length: 24hr 48hr 72 hour other: _____

Count Performed From / / , _____ to / / , _____

Date Time Date Time

Counter Used: air tube radar other: _____ Counter Make/Model: _____

Count Performed by: _____ of _____

(organization)

Total Count = _____ **ADT**

Applicant Validation: I hereby swear that this count is accurate as reported here and done in accordance with State Conservation Commission specifications.

_____ , _____ , _____ , _____

print name position (with applicant) signature date

Conservation District Validation: The traffic count data supplied by the applicant is acceptable to the Conservation District in accordance with SCC and county policy.

_____ , _____ , _____ , _____

print name position signature date

I hereby certifies eligibility of a sealed road for LVR funding as having a traffic count of 500 vehicles per day or less. It must be signed and kept in the project files.

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Traffic Count Validation Form:

Keep with project files.

Applicant Validation: I hereby swear that this count is accurate as reported here and done in accordance with State Conservation Commission specifications.

_____ / _____
print name

_____ / _____
position (with applicant)

_____ / _____
signature

date

Conservation District Validation: The traffic count data supplied by the applicant is acceptable to the Conservation District in accordance with SCC and county policy.

_____ / _____
print name

position

_____ / _____
signature

date

This form verifies eligibility of a sealed road for LVR funding as having a traffic count of 500 vehicles per day or less. It must be signed and retained in the project files.

For audio, call conference line: 866-823-7699

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LVR Traffic Counts

- Overview
- Policy
 - Use of Existing Data
 - Level 1 Count
 - Level 2 Count
- **Miscellaneous**



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Conservation Districts may, at their discretion, use administrative and education funding to facilitate or support traffic counts for applicants.

- Buying and loaning counters.
- Paying for third party counts.

Districts should insure that all potential applicants have equal access to any traffic count facilitation measures they may employ.

For audio, call conference line: 866-823-7699

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NORMAL Traffic Counts

A traffic count survey cannot be conducted in a timeframe or manner that intentionally causes artificially low average daily traffic counts on a particular road segment

- Summer recess for a school access road
- When access is partially restricted or reduced
- Any other timeframe or manner that intentionally causes low average daily traffic counts.
- **We can't make a rule for everything. Use common sense.**

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Sharing Count Data

You may want to partner with your planning commission and/or share data with PennDOT. Note that PennDOT has additional requirements above our Level 2:

- 24 hours must start and end at midnight
- Must include hourly breakdowns
- May need vehicle class breakdowns
- PennDOT has specific counter vendors

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Traffic Count Data

- 500 vehicles per day is simply a “door” that is open or closed for Program eligibility.
- We have not, and don’t recommend, using traffic data to rank sites.

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This policy sets the minimum statewide Program standard. Your County can enact stricter count standards.

- Level 1 counts on video only?
- Only level 2 counts accepted?
- 48 Hour or longer counts for level 2?
- Third party counts only?
- CD doing counts?
- Must have hourly traffic breakdowns?
- Mandatory counts with application?

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Webinar, including Q&A, will be recorded and available later. www.dirtandgravelroads.org



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Center for Dirt and Gravel Road Studies

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- esm course
- workshop
- tech assist
- **webinars**

road work

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Webinars:

In an effort to better communicate the many changes occurring within the Program, the PSU Center for Dirt and Gravel Roads will be scheduling a series of webinars in the coming months. The webinars will be directed at Conservation Districts, although anyone can join and there is no fee. These webinars will be topic-specific, not general program updates as some past webinars have been. The webinars will consist of 20-40 minutes of presentation, followed by 40-60 minutes of Q&A or discussion (90 minute max).

Webinar Link (no registration needed if you sign in as a guest): <https://meeting.psu.edu/cdgrs/>

Upcoming Webinars:

- **Traffic Count Policy for LVRs** (October 23, 2015 @ 9am ET): The traffic count presentation given at the 2014 workshop will be the basis for this webinar. We apologize for the short notice, but this is a time sensitive topic because traffic counts cannot be conducted after Thanksgiving

Past Webinars:

- **June 23, 2014** : The webinar consists of approximately 40 minutes of Program update presentation and 50 minutes of Question and Answer. We hope those of you who were unable to participate will find it useful.



Other webinars planned for Fall / Winter.

Look for future announcements

- **Quality Assurance Board Issues**
- DSA: Aggregate Clearinghouse
- Stream Crossing Replacement Policy
- Developing Application Ranking Criteria
- Update and review of new forms.
- GIS system updates.
- Permitting issues with DGLVR projects.
- Specific sections of admin manual.
- Pavement / LVR issues.

Low Volume Road Traffic Counts

The text 'Q&A' is rendered in a large, black, serif font. The 'Q' has a decorative tail that loops under the ampersand. The ampersand is a classic, ornate design. The 'A' is a simple, bold serif. The background is a close-up, slightly blurred image of a road surface, showing gravel and a white painted line.

<http://metrocount.com>

Steve Bloser

PSU Center for Dirt and Gravel Roads
smb201@psu.edu

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