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| Traffic Sheet 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY | STATE CODE: 04 SPS WIM ID: 04BA00 DATE (mm/dd/yyyy) 6/23/2020 |
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SITE CALIBRATION INFORMATION

1. DATE OF CALIBRATION {mm/dd/yy} 6/23/20
2. TYPE OF EQUIPMENT CALIBRATED: Both
3. REASON FOR CALIBRATION: LTPP Validation
4. SENSORS INSTALLED IN LTPP LANE AT THIS SITE (Select all that apply):
- a. Inductance Loops c.
- b. Quartz Piezo d.
5. EQUIPMENT MANUFACTURER: IRD iSINC

WIM SYSTEM CALIBRATION SPECIFICS

6. CALIBRATION TECHNIQUE USED: Test Trucks
- Number of Trucks Compared: 2
- Number of Test Trucks Used: 2
- Passes Per Truck: 21
- | Type | Drive Suspension | Trailer Suspension |
|-------------------|------------------|---------------------|
| Truck 1: <u>9</u> | <u>air</u> | <u>air</u> |
| Truck 2: <u>9</u> | <u>air</u> | <u>steel spring</u> |
| Truck 3: <u></u> | <u></u> | <u></u> |

7. SUMMARY CALIBRATION RESULTS (expressed as a %):

Mean Difference Between -

| | | | |
|----------------------------------|--------------|---------------------|-------------|
| Dynamic and Static GVW: | <u>0.1%</u> | Standard Deviation: | <u>1.6%</u> |
| Dynamic and Static Single Axle: | <u>-0.7%</u> | Standard Deviation: | <u>3.6%</u> |
| Dynamic and Static Double Axles: | <u>0.1%</u> | Standard Deviation: | <u>2.3%</u> |

8. NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED: 3

9. DEFINE SPEED RANGES IN MPH:

| | Low | | High | Runs |
|------------------|---------------|----|-------------|-----------|
| a. <u>Low</u> | - <u>64.0</u> | to | <u>68.0</u> | <u>15</u> |
| b. <u>Medium</u> | - <u>68.1</u> | to | <u>72.1</u> | <u>13</u> |
| c. <u>High</u> | - <u>72.2</u> | to | <u>76.0</u> | <u>13</u> |
| d. <u></u> | - <u></u> | to | <u></u> | <u></u> |
| e. <u></u> | - <u></u> | to | <u></u> | <u></u> |

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10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 3070 3070

11. IS AUTO- CALIBRATION USED AT THIS SITE? No

If yes , define auto-calibration value(s):

CLASSIFIER TEST SPECIFICS

12. METHOD FOR COLLECTING INDEPENDENT VOLUME MEASUREMENT BY VEHICLE CLASS:

Manual

13. METHOD TO DETERMINE LENGTH OF COUNT: Number of Trucks

14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:

| | | | | | |
|---------------|------------|------------|-----------------|---|-----------------|
| FHWA Class 9: | <u>0.0</u> | FHWA Class | <u> </u> | - | <u> </u> |
| FHWA Class 8: | <u>0.0</u> | FHWA Class | <u> </u> | - | <u> </u> |
| | | FHWA Class | <u> </u> | - | <u> </u> |
| | | FHWA Class | <u> </u> | - | <u> </u> |

Percent of "Unclassified" Vehicles: 0.0%

Test Truck Run Set - Pre

Person Leading Calibration Effort: Dean Wolf

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ENTERED BY CO:
19/MAR/2020