

compiled by: Hutchings	date:8/26/08	Inventory of Current Travel Data Collections						
Type of Data	Type of Count	subtype	Taken by	For (Branch / purpose)	Timeline (turn around)	Comments / pros / cons	Contact	spreadsheet data provided by:
	Coverage Counts							
Vehicle volume	Non-Interstate PTC	2 Day Daily Volume	NCDOT TSU	Used to generate AADT estimates for HPMS/Planning Studies/Forecasts/ Safety/Design/Maintenance/etc.	Annual Count Program	40,000 monitoring stations with 25,000 stations updated annually. Some stations are collected annually and some biennially.	NCDOT/TSU	TSU (KLT)
Vehicle volume	Non-Interstate Seasonal PTC	5 Day Daily Volume	NCDOT TSU	Used to correlate stations within a county to ATR seasonal groups to identify the appropriate set of factors for AADT estimates	Annual Count Program	Sample size varies by the size of county. The 5 day counts are collected 5 times at each sample station during a count year. Seasonal data collection is not performed every year. Approximately 500 stations counted in a year this work is performed.	NCDOT/TSU	TSU (KLT)
Vehicle volume	Interstate Ramp PTC	3 Day Daily Volume	NCDOT TSU	Used to generate AADT estimates for HPMS/Planning Studies/Forecasts/ Safety/Design/Maintenance/etc.	Annual Count Program	Interstate counts support use of the Ramp Balancing Procedure to generate interstate AADT estimates. About 2200 ramps collected annually	NCDOT/TSU	TSU (KLT)
Vehicle volume	Interstate Permanent Controls (IC)	14 Day Hourly Volume	NCDOT TSU	Used to generate AADT estimates for HPMS/Planning Studies/Forecasts/ Safety/Design/Maintenance/etc.	Annual Count Program	About 80 stations on mainline segments - permanent inductive loops in each lane - portable counters installed temporarily	NCDOT/TSU	TSU (KLT)
Vehicle volume	Interstate Temporary Controls (TC)	7 Day Hourly Volume	NCDOT TSU	Used to generate AADT estimates for HPMS/Planning Studies/Forecasts/ Safety/Design/Maintenance/etc.	Annual Count Program	About 40 stations on mainline segments - number and locations change from year to year - new portable radar system collects counts	NCDOT/TSU	TSU (KLT)
Vehicle Classification	HPMS Vehicle Classification (VC)	2 Day Hourly Vehicle Class	NCDOT TSU	Used to generate statewide truck percentages for HPMS and Air Quality	Annual Count Program	HPMS Statewide Sample - 3 year cycle - 125 stations per year	NCDOT/TSU	TSU (KLT)
Vehicle Classification	HPMS Manual Classification (MC)	16 Hour Manual Class Count	NCDOT TSU	Used to generate statewide truck percentages for HPMS and Air Quality	Annual Count Program	HPMS Statewide Sample - 3 year cycle - 20 stations per year - used when VC is impractical or unsafe	NCDOT/TSU	TSU (KLT)
	Continuous Counts							
Vehicle volume	Automatic Traffic Recorders (ATR)	Hourly Volume by Lane	NCDOT TSU	Generate factors for short term counts and statistics - Reported to FHWA for Traffic Volume Trends (TVT) reporting	Continuous	About 80 stations	NCDOT/TSU	TSU (KLT)
Vehicle Classification	Automatic Vehicle Classifier (AVC)	Hourly Class by Lane OR Per Vehicle Records (PVR)	NCDOT TSU	Under development - testing technologies at four stations - will be used to factor short term class counts, new pavement design process (MEPDG), and FHWA reporting	Continuous	4 Stations	NCDOT/TSU	TSU (KLT)
Vehicle Classification & Truck Weight	Weigh In Motion (WIM)	Hourly Class by Lane AND Weigt Data in Per Vehicle Records (PVR) for Trucks Only	NCDOT TSU	Collected for LTPP pavement research - reported to FHWA for National Truck Weight Study - Under development for new pavement design process (MEPDG) - will be used for factoring short term class counts and to generate load spectra for trucks	Continuous	17 WIM Stations and 15 downgraded stations collecting class or volume data only	NCDOT/TSU	TSU (KLT)
Ticket Sales	Vehicles, Pedestrains, Riders		Ferry Division				Ferry Division	TPB (D H)
Vehicle volume				Signal System to monitor and adjust signal timings				
Vehicle volume and Speeds				ITS Systems for monitoring congestion				
	Project Counts							
Origin/Destination	Specialized Counts	Specified by Customer	NCDOT TSU	Traffic Forecasts/Modeling/CTP/Corridor Studies/Research	Average 8 to 10 Weeks	Traffic Survey will design a count or study to meet a specific traffic data need	NCDOT/TSU	TSU (KLT)
Pedestrian Counts	Manual count	Classification - commuter, recreation, etc. AM / PM peak, lunch hour?	PDEA Consultant	PDEA - plng doc recommendations on work zone ped detours	As requested for project study			PDEA (M D)
Pedestrian Counts	Manual count	16 hours, person volume	TEB WZS Consultant	TEB / Work Zone Safety			NCDOT TEB	TPB (D H)
Speed	Manual (lidar gun)	Average, 85th percentile, maximum, minimum, etc.	Private Firm, Regional staff	The majority of data collected is 16-hour turning movement counts, which is primarily requested by, and collected for, Regions/Divisions for safety evaluations and signal warrant analysis, and to the Signals Unit for signal design. However, due to the nature of our contract, any data may be requested for any NCDOT personnel/unit who request it and provide a WBS element for billing purposes.	1-2 weeks	rarely requested;All data collected is raw and for current conditions - no statistical adjustments are made.	TEB/TSU	TEB/TSU (Jaeger)
Speed				TEB, TPB for AQ analysis and setting speed limits	As requested for project study		NCDOT/TSU	TSU (KLT)
Train Volume	permits		Rail					
Transit Tickets	Transit Ridership		NCDOT PTD/Local Transit Systems					TPB (D H)
Turn Movements	Intersection Turn Moves	48 hour / volume	Rail	TES/TSS/TIP/Modeling	3-4 months	Studies often based in municipalities - share data as needed	Nancy Horne 715	
Turn Movements	Intersection Turn Moves	16 hour	PEFs under TEB - TSU	signal evaluations (installation, removal, timing, phasing, etc.) analysis of moves at complex intersections, i.e., multiple thru lanes, duel lefts and right turn lanes, etc.	2 weeks	standard device used is JAMAR turning movement counter	Divisions and TEB - TSU	TMT (AGP)

