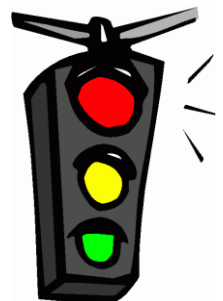


# STATE PROJECT 0171-0421 – CRCOG COMPUTERIZED TRAFFIC SIGNAL SYSTEM (CTSS) TIMING PLAN EVALUATION

- Evaluate timing plans (Cycle-Split-Offset) and daily schedules for State owned CTSS in CRCOG area.
- Initiated in response to "Urban Mobility and 2012 National Traffic Signal Report Card" and "2012 FHWA Program Review – Connecticut : Local Agency Traffic Signal Operations and Maintenance".

The evaluation and retiming of existing CTSS will:

- Reduce stops
- Reduce overall delay
- Improve traffic flow
- Reduce Auto Emission



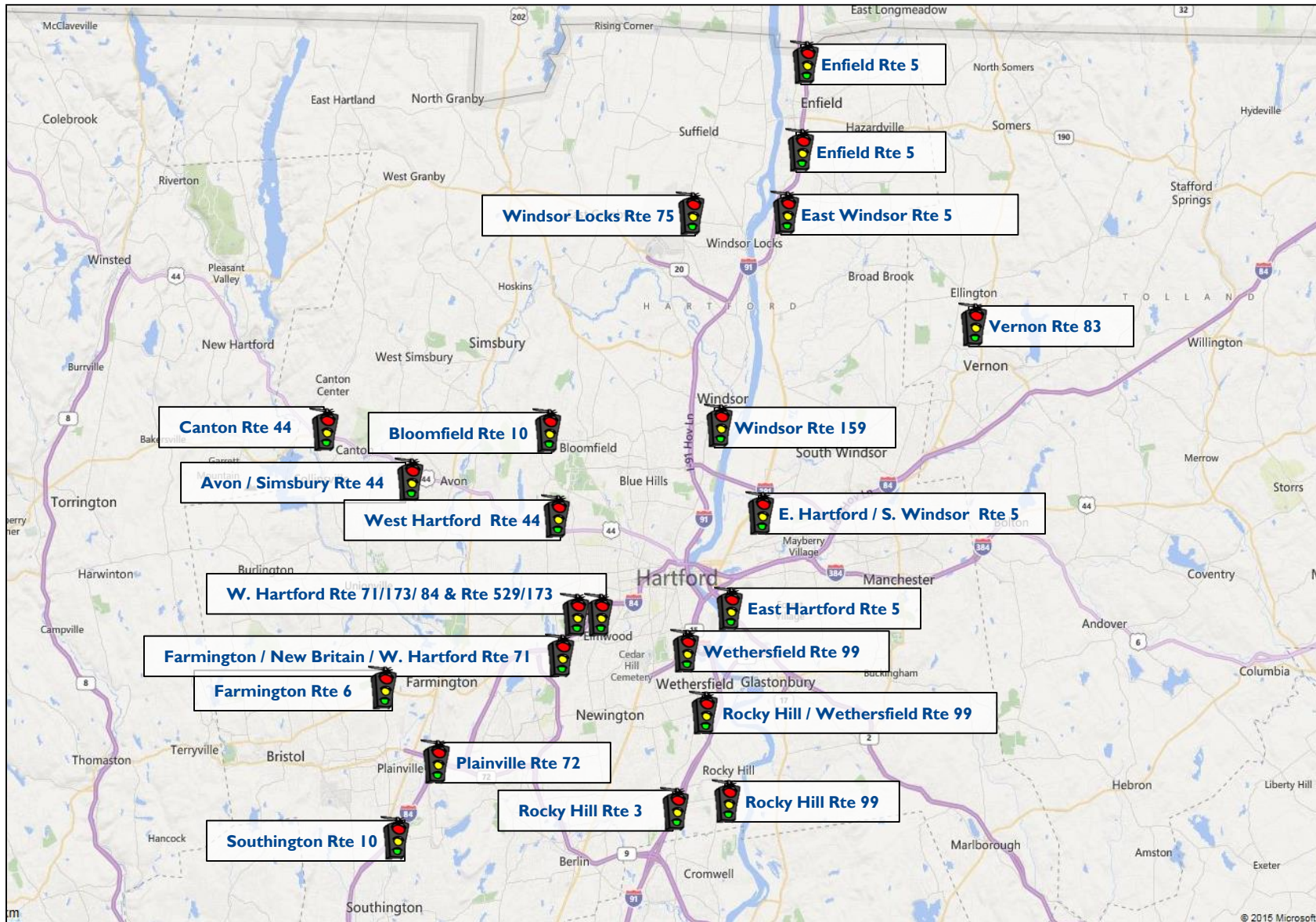
# CRCOG CTSS Last Modified Listing

Town / System Number / Rte / Master	Cover Sheets Last Modified	TSDWIN Last Modified	# of Intersections
Avon / Simsbury Naztec System 33 Rte 44 (385M)	3/8/2010	9/24/2003	14
Berlin Transyt System 26 Rte 372 (3523M)	11/24/2010	4/8/1998	6
Bloomfield Transyt System 10 Rte 218 (2531M)	2/23/2010	9/11/2003	6
Canton Naztec System 19 Rte 44 (315M)	1/18/2012	5/23/1996	8
East Hartford Naztec System 22 Rte 5 South End (118M)	8/28/2014	10/20/2003	12
East Hartford Naztec System 26 Rte 5 Burnside (012M)	7/26/2012	9/11/2003	5
East Hartford Naztec System 32 Rte 518 Pratt System (933M)	10/4/2012	9/30/2003	3
East Hartford Naztec System 47 Rte 44 Blacksmith Section (605M)	7/9/2008	N/A	3
East Hartford / South Windsor Naztec System 28 Rte 5 (132M)	5/4/2004	9/11/2003	15
East Windsor Naztec System 39 Rte 140 (559M)	1/22/2009	N/A	3
East Windsor Naztec System 50 Rte 5 (500M)	12/8/2014	N/A	11
Enfield Naztec System 49 Rte 5 Post Office Area (475M)	9/7/2012	N/A	6
Enfield Naztec System 51 Rte 5 North Section (515M)	7/7/2008	N/A	10
Farmington Naztec System 30 Rte 4 South Road Section (355M)	8/8/2012	N/A	7
Farmington Naztec System 45 Rte 4 (530M)	9/21/2012	N/A	7
Farmington Transyt System 13 Rte 6 (3109M)	12/30/2002	11/1/1995	6
Farmington / New Britain / West Hartford Transyt System 54 Rte 71 (4737M)	1/30/2015	11/18/1997	11
Glastonbury Transyt System 8 Rte 94 (2025M)	3/9/2004	9/11/2003	5
Hartford Naztec System 70 Bus-Way (190M)	7/7/2015	7/7/2015	3
Hartford Transyt System 45 Rte 44 (4006M)	8/3/2012	6/19/1996	15
New Britain Naztec System 18 Rte 174 (043M)	5/4/2012	7/24/2002	4
Newington / Berlin / Meriden Naztec System 15 Rte 15 Sth Turnpike (798M)	11/5/2014	11/4/2014	21
Newington / Wethersfield Naztec System 16 Rte 15 Nth Turnpike (831M)	9/9/2008	5/5/2005	8
Plainville Naztec System 9 Rte 372 (286M)	11/28/2011	11/13/2001	5
Rocky Hill Naztec System 64 Rte 99 (732M)	1/14/2015	N/A	2
Rocky Hill Transyt System 1 Rte 3 (1801M)	4/22/2014	11/5/2003	12
Rocky Hill / Wethersfield Transyt System 24 Rte 99 (2137M)	11/26/2001	9/29/1998	6
Simsbury Naztec System 55 Rte 10 & 202 South End (566M)	6/24/2008	N/A	4
Simsbury Naztec System 56 Rte 10 & 202 North End (575M)	6/23/2008	N/A	8
Southington Naztec System 31 Rte 10 (170M)	9/25/2014	5/23/2003	12
Southington Transyt System 39 Rte 10 (3939M)	11/28/2007	10/7/1998	9
Vernon Naztec System 61 Rte 83 (645M)	9/27/2010	7/1/2015	7
West Hartford Naztec System 37 Rte 71, 173, 84 (450M)	6/3/2015	N/A	8
West Hartford Naztec System 38 Rte 529, 173 (485M)	8/15/2014	N/A	9
West Hartford Naztec System 46 Rte 44 (542M)	6/25/2008	N/A	12
Wethersfield Transyt System 25 Rte 99 (2109M)	6/10/2013	6/4/1997	8
Windsor Naztec System 24 Rte 159 (090M)	10/24/2011	9/24/1998	16
Windsor Naztec System 41 Rte 178 V61 (910M)	7/8/2008	N/A	2
Windsor Naztec System 54 Rte 305 (621M)	7/9/2008	N/A	5
Windsor Naztec System 57 Rte 75 (655M)	2/23/2012	N/A	6
Windsor / Bloomfield Naztec System 23 Rte 218 (115M)	8/16/2012	10/8/2002	10
Windsor Locks / Windsor Transyt System 48 Rte 75 (3803M)	7/30/2002	2/11/1998	9

## Totals

Total Number of Transyt Systems	11
Total Number of Naztec Systems	31
Total Number of Systems	42
Total Number of Intersections	339

# Focus Areas – Area I

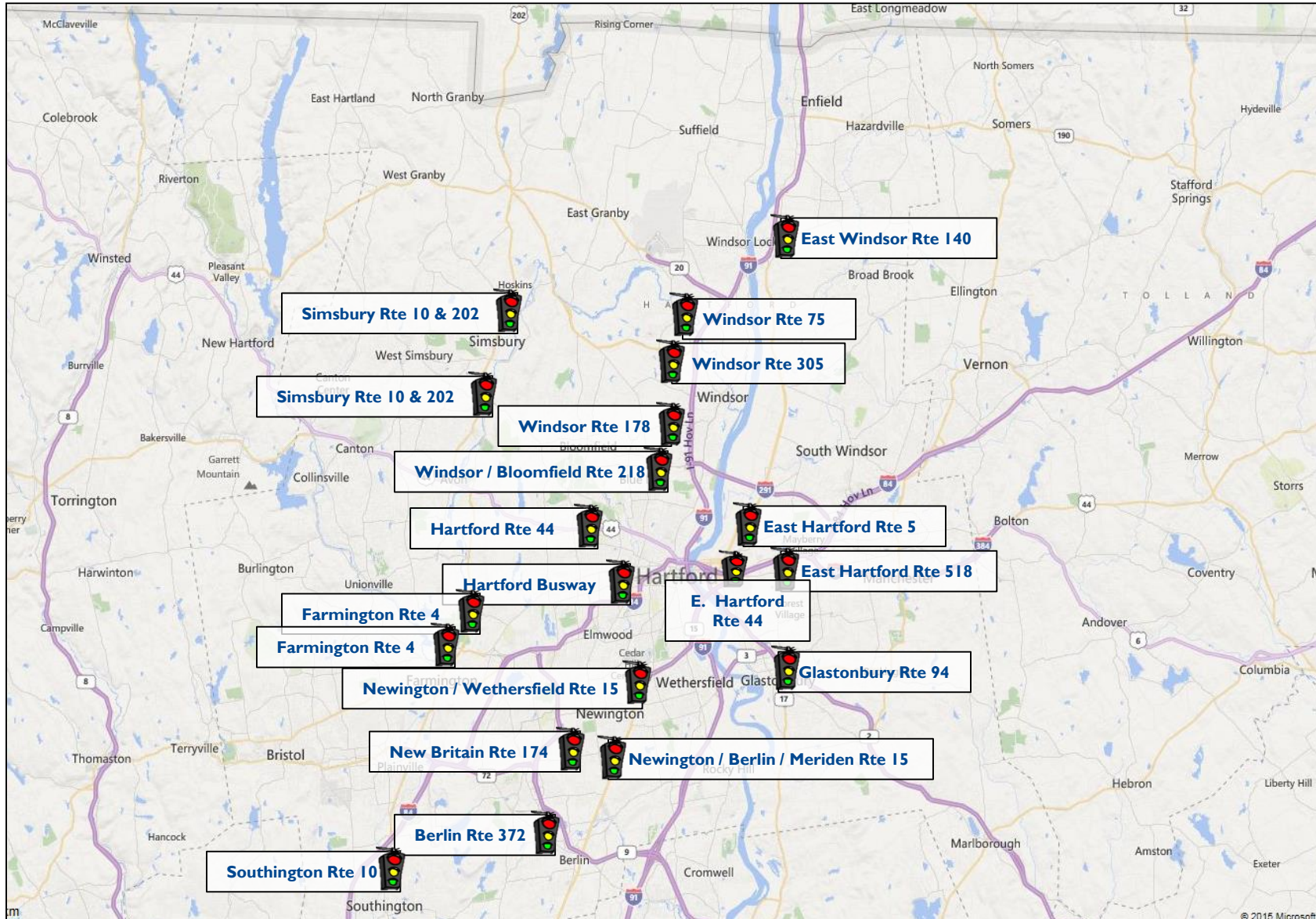


## Phase I Totals

Total Number of Transyt Systems	7
Total Number of Naztec Systems	15
Total Number of Systems	22
Total Number of Intersections	205



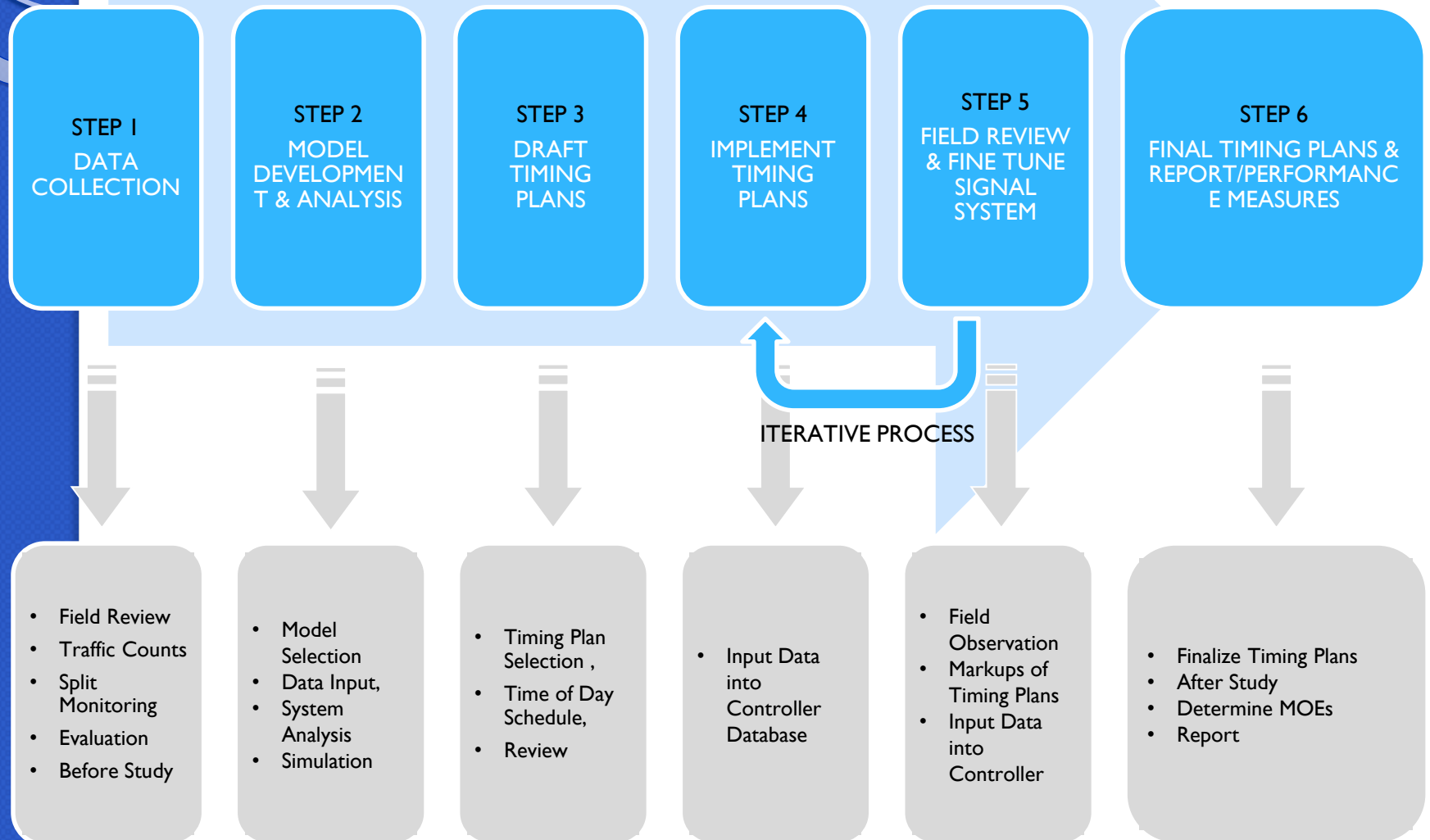
# Focus Areas – Area 2



## Phase 2 Totals

Total Number of Transyt Systems	4
Total Number of Naztec Systems	16
Total Number of Systems	20
Total Number of Intersections	134

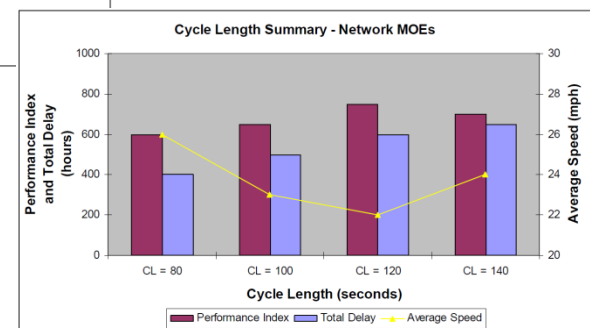
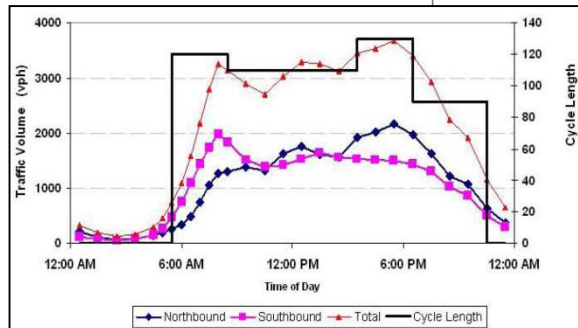
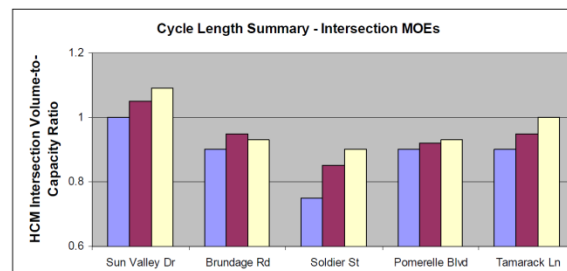
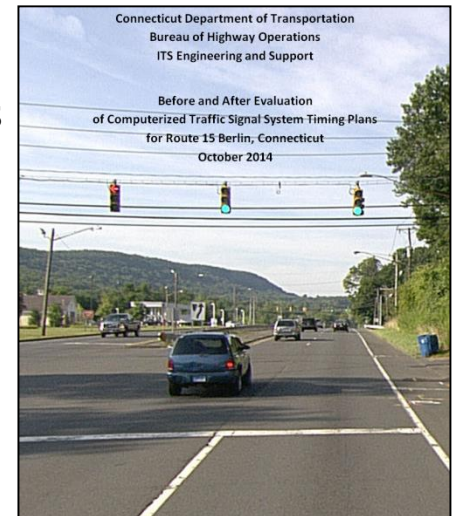
# METHODOLOGY



# TIMING PLAN EVALUATION REPORTING

A final report will be developed for each system. The report will be similar to the “2014 Before and After Evaluation of Computerized Traffic Signal System Timing Plans for Route 15 Berlin, CT”. The final report will document the before and after study data and include the following items:

- Introduction
- Travel Time and Delay Study Methodology and Analysis
- Travel Time and Delay Study Summary
- Savings Methodology and Analysis
- Savings Summary
- Conclusion



# Roadway Weather Information Systems Update

- Design Completion Date: 2-1-17
- Advertisement: 3-1-17
- Bid Opening: 3-22-17
- Award: 4-21-17
- Notice To Proceed: 5-8-17
- Contract Time: 548 days



# Roadway Weather Information Systems Update

RWIS	TOWN/LOCATION	ROAD	LOCATION PLAN
01	GREENWICH	ROUTE 15	RWIS-01
02	FAIRFIELD	I-95	RWIS-02
03	TRUMBULL	ROUTE 25	RWIS-03
04	NORTH HAVEN	ROUTE 15	RWIS-04
05	MERIDEN	I-691	RWIS-05
06	CHESHIRE	I-84	RWIS-06
07	WOLCOTT	WOLCOTT ROAD	RWIS-07
08	MIDDLEBURY	I-84	RWIS-08
09	NEW MILFORD	ROUTE 7	RWIS-09
10	SHARON	SHARON VALLEY ROAD	RWIS-10
11	NORFOLK	ROUTE 44	RWIS-11
12	ENFIELD	I-91	RWIS-12
13	WINDSOR	I-91	RWIS-13
14	UNION	I-84	RWIS-14
15	TOLLAND	I-84	RWIS-15
16	MANSFIELD	ROUTE 6	RWIS-16
17	PLAINFIELD	I-395	RWIS-17
18	NORWICH	I-395	RWIS-18
19	MARLBOROUGH	ROUTE 2	RWIS-19
20	NORTH STONINGTON	I-95	RWIS-20
21	MADISON	I-95	RWIS-21
22	OLD SAYBROOK	I-95	RWIS-22A/B/C
23	HADDAM	ROUTE 9	RWIS-23
24	PLAINVILLE	I-84	RWIS-24
25	NEWINGTON	BERLIN TURNPIKE	RWIS-25



NOTE: RWIS LABELS SHOWN ON MAP ARE RWIS IDENTIFICATION NUMBERS. RWIS LABELS UNDER "LOCATION PLAN" INDICATE THE DRAWING NUMBER FOR EACH RWIS LOCATION.

Western RWIS sites  
will be completed by  
12/31/17



# RWIS Data

- To Access RWIS Data:
  - Email Dave Cruz: [david.cruz@ct.gov](mailto:david.cruz@ct.gov)
  - CC Jennifer Carrier: [jcarrier@crcog.org](mailto:jcarrier@crcog.org)