



**COMMUNITY**  
connectivity program

# Winchester

Downtown: Main Street, Bridge Street, Rowley Street and Willow Street

Winchester – Road Safety Audit

August 10, 2016



**AECOM**

Built to deliver a better world

Acknowledgements:

OFFICE OF INTERMODAL PLANNING  
BUREAU OF POLICY AND PLANNING  
CONNECTICUT DEPARTMENT OF TRANSPORTATION

With assistance from AECOM Transportation Planning Group

# Contents

1	Introduction to Main Street, Winchester RSA .....	6
1.1	Location .....	6
2	Pre-audit Assessment.....	8
2.1	Pre-audit Information .....	8
2.2	Prior Successful Effort.....	17
2.3	Pre-Audit Meeting .....	17
3	RSA Assessment.....	20
3.1	Field Audit Observations .....	20
3.2	Post Audit Workshop - Key Issues .....	24
4	Recommendations .....	25
4.1	Short Term .....	26
4.2	Medium Term .....	29
4.3	Long Term.....	32
4.4	Summary.....	34

# Figures

Figure 1.	Main Street/South Main Street (US Route 44), Winchester .....	7
Figure 2.	Study Area – Regional Context.....	8
Figure 3.	Crashes that Occurred in 2015 (Connecticut Crash Data Repository) .....	12
Figure 4.	Main Street/South Main Street Road Geometrics .....	15
Figure 5.	Sharp Curve with Limited Sight Distance on Union Street .....	20
Figure 6.	Pedestrian Crossing Main Street near YMCA .....	20
Figure 7.	Pedestrian Crossing Sign on Union Street.....	20
Figure 8.	Deteriorating Sidewalk on Southwest Corner of Main Street/Bridge Street.....	21
Figure 9.	Poor Sidewalk Condition on Bridge looking North at Main Street.....	21
Figure 10.	Prospect Street looking West at Bridge Street.....	21
Figure 11.	Crosswalk across Willow Street at Bridge Street.....	21
Figure 12.	Willow Street on West end looking East.....	22
Figure 13.	Broken Concrete Curb on North Side of Willow Street .....	22
Figure 14.	Willow Street looking East at Mid-block Crosswalk .....	22
Figure 15.	Crosswalk on Willow Street at Skate Park .....	22
Figure 16.	Rowley Street Southbound Approach (in background) to Willow Street .....	23
Figure 17.	Sidewalk on Rowley Street North of Willow Street looking North.....	23

Figure 18. Mid-block Crosswalk on Rowley Street between Parks .....	23
Figure 19. Uneven Sidewalk on Rowley Street looking North at Bridge over Mad River .....	23
Figure 20. Water Running on sidewalk at Southwest Corner of Main Street/Rowley Street.....	24
Figure 21. Pedestrian Push Button.....	27
Figure 22. Intersection Ahead Sign.....	27
Figure 23. Sharrow.....	27
Figure 24. Short Term Recommendations Map.....	28
Figure 25. Detectable Warning Strip .....	30
Figure 26. Rectangular Rapid Flashing Beacon .....	30
Figure 27. Medium Term Recommendations Map.....	31
Figure 28. Curb Extension.....	32
Figure 29. Long Term Recommendations Map .....	33

## Tables

Table 1. Crash Severity 2012-2014.....	9
Table 2. Crash Type 2012-2014 .....	9
Table 3. Street Inventory .....	16

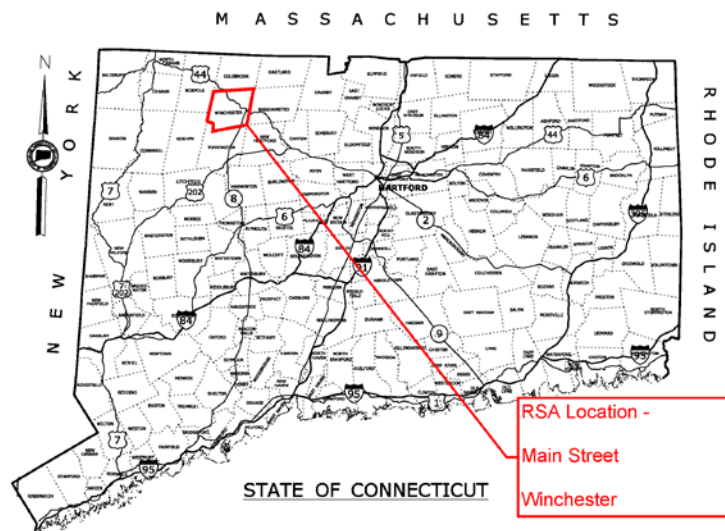




The Connecticut Department of Transportation (CTDOT) is undertaking a Community Connectivity Program that focuses on improving the state's transportation network for all users, with an emphasis on bicyclists and pedestrians. A major component of this program is conducting Road Safety Audits (RSA's) at selected locations. An RSA is a formal safety assessment of the existing conditions of walking and biking routes and is intended to identify the issues that may discourage or prevent walking and bicycling. It is a qualitative review by an independent team experienced in traffic, pedestrian, and bicycle operations and design that considers the safety of all road users and proactively assesses mitigation measures to improve the safe operation of the facility by reducing the potential crash risk frequency or severity.

The RSA team is made up of CTDOT staff, municipal officials and staff, enforcement agents, AECOM staff, and community leaders. An RSA Team is established for each municipality based on the requirements of the individual location. They assess and review factors that can promote or obstruct safe walking and bicycling routes. These factors include traffic volumes and speeds, topography, presence or absence of bicycle lanes or sidewalks, and social influences.

Each RSA was conducted using RSA protocols published by the FHWA. For details on this program, please refer to [www.ctconnectivity.com](http://www.ctconnectivity.com). Prior to the site visit, area topography and land use characteristics are examined using available mapping and imagery. Potential sight distance issues, sidewalk locations, on-street and off-street parking, and bicycle facilities are also investigated using available resources. The site visit includes a "Pre-Audit" meeting, the "Field Audit" itself, and a "Post-Audit" meeting to discuss the field observations and formulate recommendations. This procedure is discussed in the following sections.



# 1 Introduction to Main Street, Winchester RSA

The Town of Winchester submitted an application to complete an RSA on Main Street to improve safety for pedestrians and bicyclists travelling in the Downtown area. The Downtown is linear in nature, and is centered around Main Street (US Route 44). Main Street extends for over two miles and experiences high traffic volumes and speeds, with pedestrians often crossing mid-block without crosswalks. There are limited pedestrian and bicycle facilities. This has resulted in concerns for pedestrians and cyclists travelling through this area including the need to provide safe and convenient connections to other routes. The study area has many small businesses, the Town Hall, Stop and Shop, Northwest Connecticut Community College and future medical facilities. In addition, the corridor has several old mills that range from 10,000 to 100,000 square feet, with some planned to be redeveloped into mixed-use centers. The Town has applied for grants to extend the Sue Grossman Trail into the center of Town.

The Town of Winchester's application contained information on traffic volumes, crash data, and mapping of the corridor. The application and supporting documentation are included in Appendix A.

## 1.1 Location

The RSA study area includes the section of Main Street/South Main Street (US Route 44) between the YMCA on the west and the Stop and Shop on the east; Bridge Street between Main and Prospect Streets; Willow Street; and Rowley Street north of Willow Street (Figure 1). The Average Daily Traffic (ADT) on Main Street ranges between 10,800 vehicles per day (vpd) and 15,400 vpd. ADT along South Main Street ranges between 18,600 vpd and 22,000 vpd. ADT on Rowley Street near Main Street is 4,200 vpd. Main Street/South Main Street has a functional classification of Principal Arterial (Other). This section of roadway contains a significant number of driveways, adding complexity to walking and bicycling maneuvers through the area. Figure 2 shows the regional context of the study area.

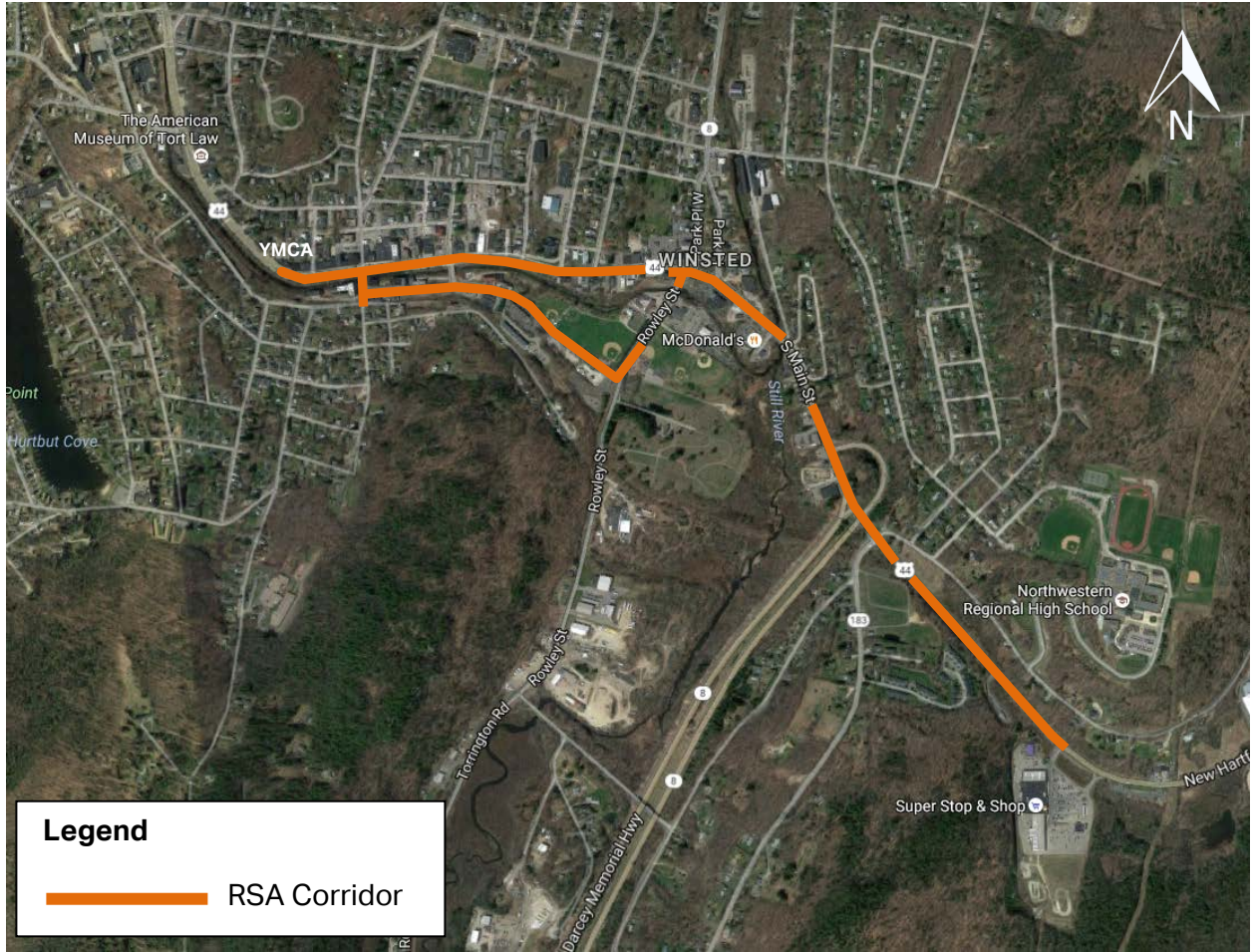


Figure 1. Main Street/South Main Street (US Route 44), Winchester



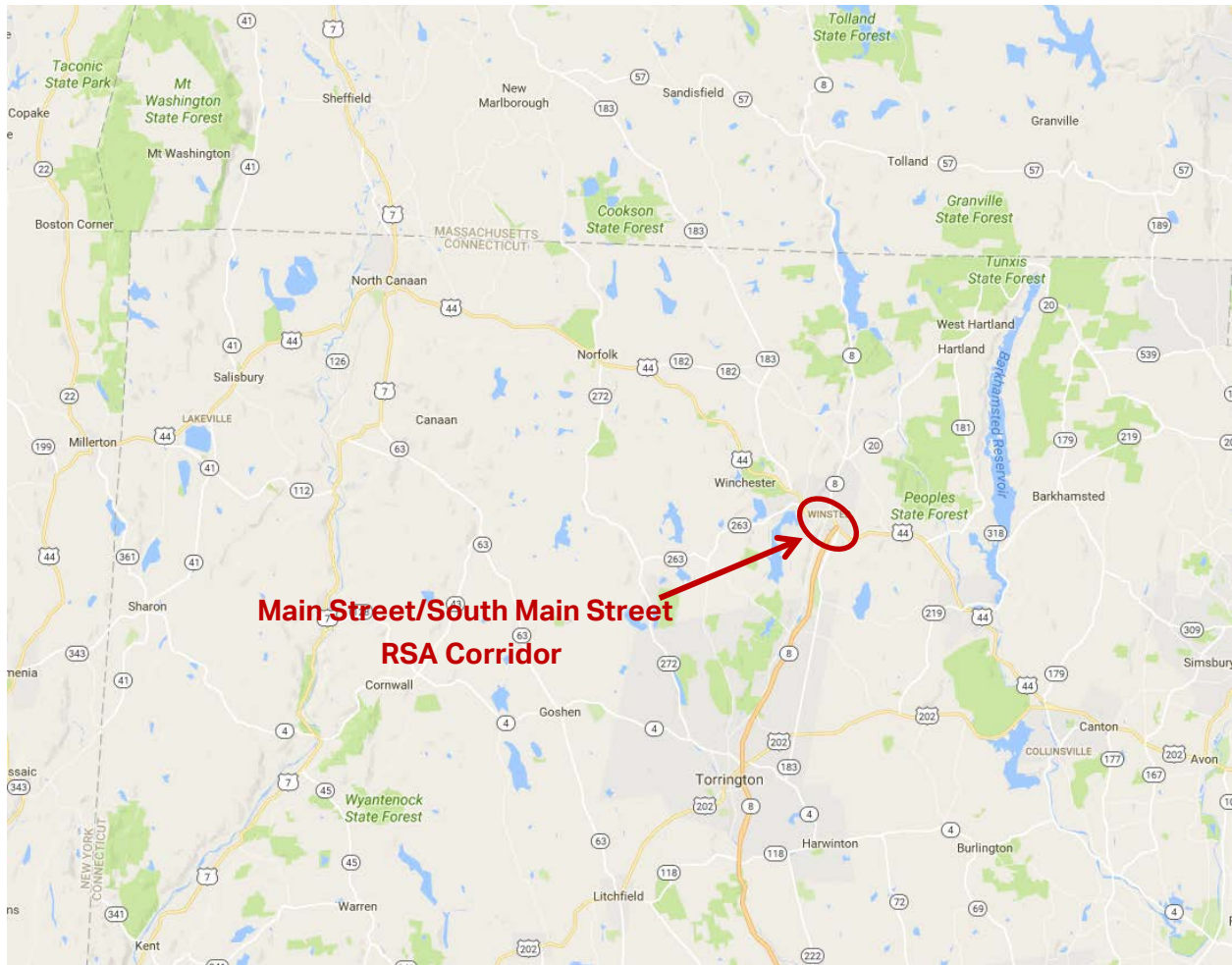


Figure 2. Study Area – Regional Context

## 2 Pre-audit Assessment

### 2.1 Pre-audit Information

As noted above, traffic volumes are significant along this corridor. This is primarily because Route 44 is the only major east/west facility in the area and it runs through the Downtown area. As a result, this portion of Main Street carries traffic to and through the town from other areas.

Between 2012 and 2014 there were 310 crashes in the RSA Area. The majority of crashes reported in this area resulted in property damage (86%) only; however 42 crashes did result in injuries (Table 1). There were four crashes involving bicyclists. One resulted in an injury and three resulted in property damage. There were two crashes involving pedestrians, both resulting in an injury. The crash types reported were primarily rear-end collisions and

sideswipe-same direction collisions, accounting for 35% and 18% of all crashes, respectively. A total of 20 crashes involved parked vehicles (Table 2).

Figure 3 displays crashes that occurred in this area during 2015. The crash history for year 2015 shows an even distribution of crashes along Main Street/South Main Street with significant clusters of crashes at these intersections: Main Street and Rowley Street, South Main Street and Whiting Street, and South Main Street and Route 8 northbound and southbound.

Severity Type	Number of Accidents	
Property Damage Only	268	86%
Injury (No fatality)	42	14%
Total	310	

**Table 1. Crash Severity 2012-2014**

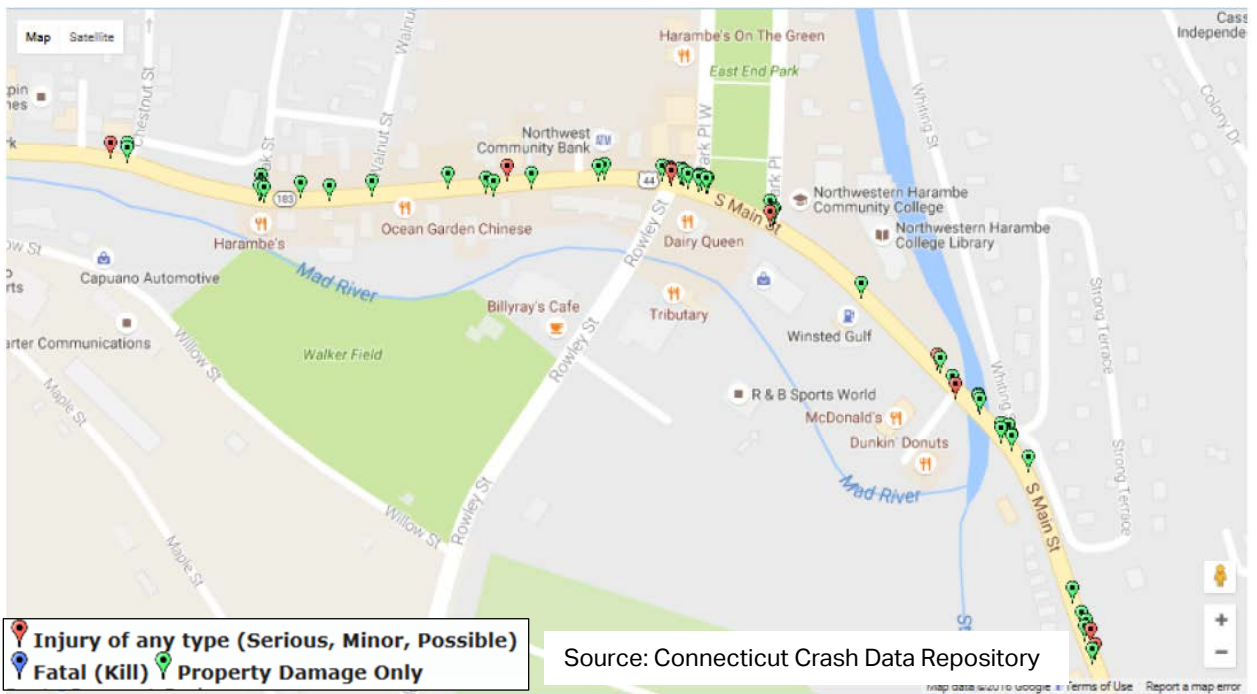
Source: UConn Connecticut Crash Data Repository

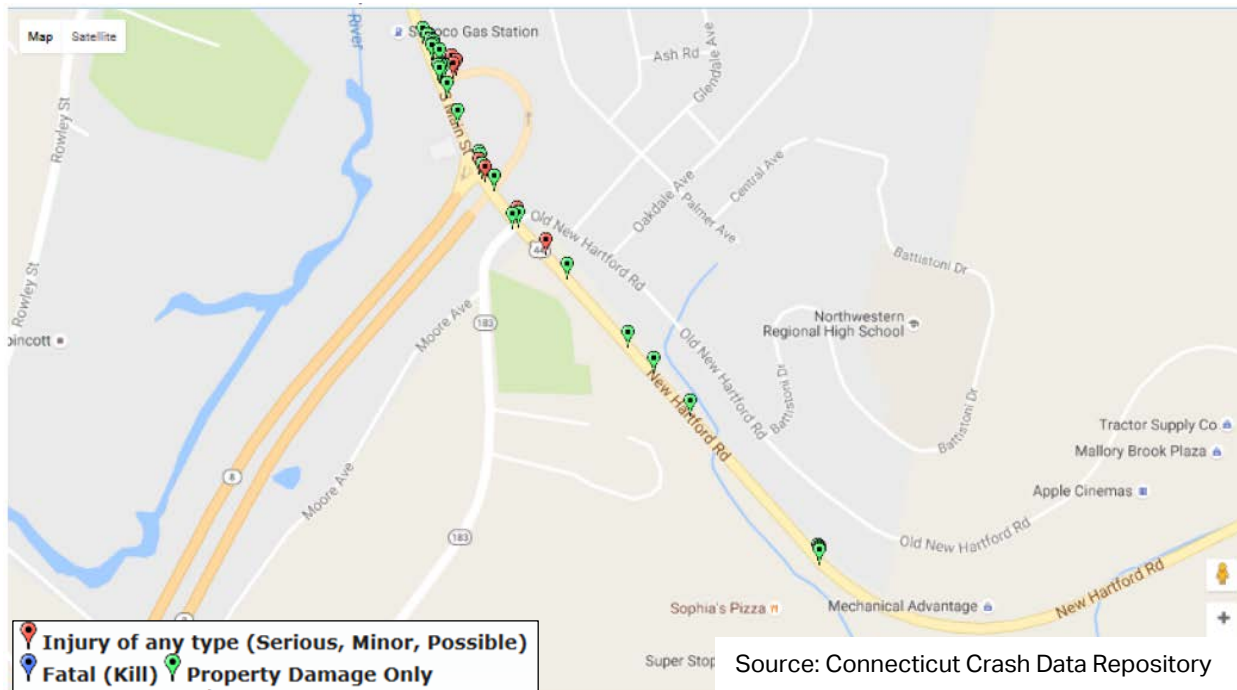
Manner of Crash / Collision Impact	Number of Accidents	
Unknown	4	1%
Sideswipe-Same Direction	57	18%
Rear-end	107	35%
Turning-Intersecting Paths	34	11%
Turning-Opposite Direction	22	7%
Fixed Object	25	8%
Backing	9	3%
Angle	6	2%
Turning-Same Direction	14	5%
Moving Object	2	1%
Parking	20	6%
Pedestrian	2	1%
Overturn	2	1%
Head-on	3	1%
Sideswipe-Opposite Direction	3	1%
Miscellaneous- Non Collision	0	0%
Total	310	

**Table 2. Crash Type 2012-2014**

Source: UConn Connecticut Crash Data Repository







**Figure 3. Crashes that Occurred in 2015 (Connecticut Crash Data Repository)**

Main Street (Route 44) from YMCA to Chestnut Street has two 11 foot wide travel lanes in each direction separated by a 10-foot wide raised median that is used for left turn bays at major intersections. Main Street tapers to one lane in each direction between Chestnut Street and Oak Street. Sidewalks vary from 4.5 to 13 feet wide and shoulders vary from 9 to 11 feet wide. There are several pedestrian crossings across Main Street, and on-street parking is provided on both sides. The posted speed limit on Main Street is 30 mph. Several businesses are located on the north side of Main Street.

Main Street becomes South Main Street (Route 44) east of Rowley Street/Park Place West, where it becomes two lanes in each direction through Park Street, and then two westbound travel lanes and one eastbound travel lane to the Route 8 interchange. It then tapers to a single lane in each direction for the remainder of the RSA study area. Travel lanes vary from 10 to 15 feet wide. Turn lanes are provided at major intersections. Sidewalks are continuous on the south side and intermittent on the north side, and vary from four 4 to 5.5 feet wide as far as the Route 8 interchange. There are no sidewalks east of that point. Shoulders are provided on both sides and vary from one to nine feet wide, and there are no pedestrian crossings on South Main Street. The posted speed limit is 30 mph. There are restaurants, gas stations, commercial businesses, some residential properties and the Joyner Learning Center along South Main Street.

Route 44 is known as New Hartford Road east of the Route 8 interchange. New Hartford Road has one 12-foot wide travel lane in the each direction, with shoulders provided on both sides,



varying from one to 12.5 feet wide. The posted speed limit is 40 mph and turn lanes are provided at major intersections. There are no sidewalks and pedestrian crossings along New Hartford Road. The Stop and Shop shopping center is located on the south side of New Hartford Road.

Bridge Street is a two-way 43-foot wide road with no shoulders or lane markings. Sidewalks are three to five-feet wide in the northbound direction and five to nine-feet wide in southbound direction. There are no pedestrian crossings, except at Main Street. On-street parking is prohibited.

Willow Street is a two-way road (32 to 45.5 feet wide) with no shoulders or lane markings. Sidewalks (four feet wide) are provided on the north side only. Pedestrian crosswalks are provided in the vicinity of Walker Field. On-street parking is provided in some sections of Willow Street.

Rowley Street has an 11-foot wide travel lane, four-foot wide sidewalk and three-foot wide shoulders in each direction. On-street parking is prohibited on both sides. A pedestrian crosswalk is provided in the vicinity of Walker Field providing a connection to the playground and fields on the east side of Rowley Street. Superior Plus Energy Services, located on the west side of Rowley Street, has wide driveways without crosswalks. The posted speed limit is 30 mph.

The intersection of Main Street and Union Street is an uncontrolled T-intersection. Union Street is one-way northbound with one departure lane. Pedestrian crosswalks are provided across the east leg of Main Street and across Union Street. Sidewalks are provided on all approaches.

The intersection of Main Street, Bridge Street and Elm Street is a four-way signalized intersection with pedestrian crosswalks and sidewalks on all approaches.

The intersection of Bridge Street and Willow Street is a three-way intersection. The Bridge Street approaches are not controlled and the Willow Street approach is stop controlled. Pedestrian crossings are not provided. Sidewalks are provided on all approaches.

The intersection of Bridge Street, Prospect Street and Depot Street is a four-way intersection. The Bridge Street approaches are not controlled and the Prospect and Depot Streets approaches are stop controlled. Pedestrian crossings and sidewalks are not provided. A driveway for a mill building is located at the northwest corner of the intersection.

The intersection of Willow Street, Rowley Street and Cemetery Driveway is a four-way intersection. The Willow Street approach is stop controlled. A pedestrian crossing is provided across the Willow Street approach west of parking lot driveway. Sidewalks are

provided on the north side of Willow Street; on both sides of Rowley Street north of Willow Street; and on the east side of Rowley Street south of Willow Street.

The intersection of Main Street/South Main Street, Rowley Street and Park Place West is an off-set four-way signalized intersection. Pedestrian crossings are provided across the west leg of Main Street, Rowley Street and Park Place West. Park Place West is one-way southbound with two approach lanes. The stop bar and crosswalk on Park Place West are set far back from the intersection. Sidewalks are provided on all approaches.

The intersection of South Main Street, New Hartford Road, Tarringford Street (Route 183) and Old New Hartford Road is a four-way signalized intersection. Pedestrian crosswalks are provided across New Hartford Road and on Tarringford Street. Sidewalks are provided along the south side of South Main Street and along the east side of Tarringford Street.

The intersection of South Main Street and Stop and Shop driveway is a signalized T-intersection. There are no pedestrian crosswalks or sidewalks at this intersection. The Stop and Shop driveway is a two-way driveway with no shoulders.

Roadway geometrics and traffic volumes for the study roadway are shown in Figure 4 and described in Table 3.

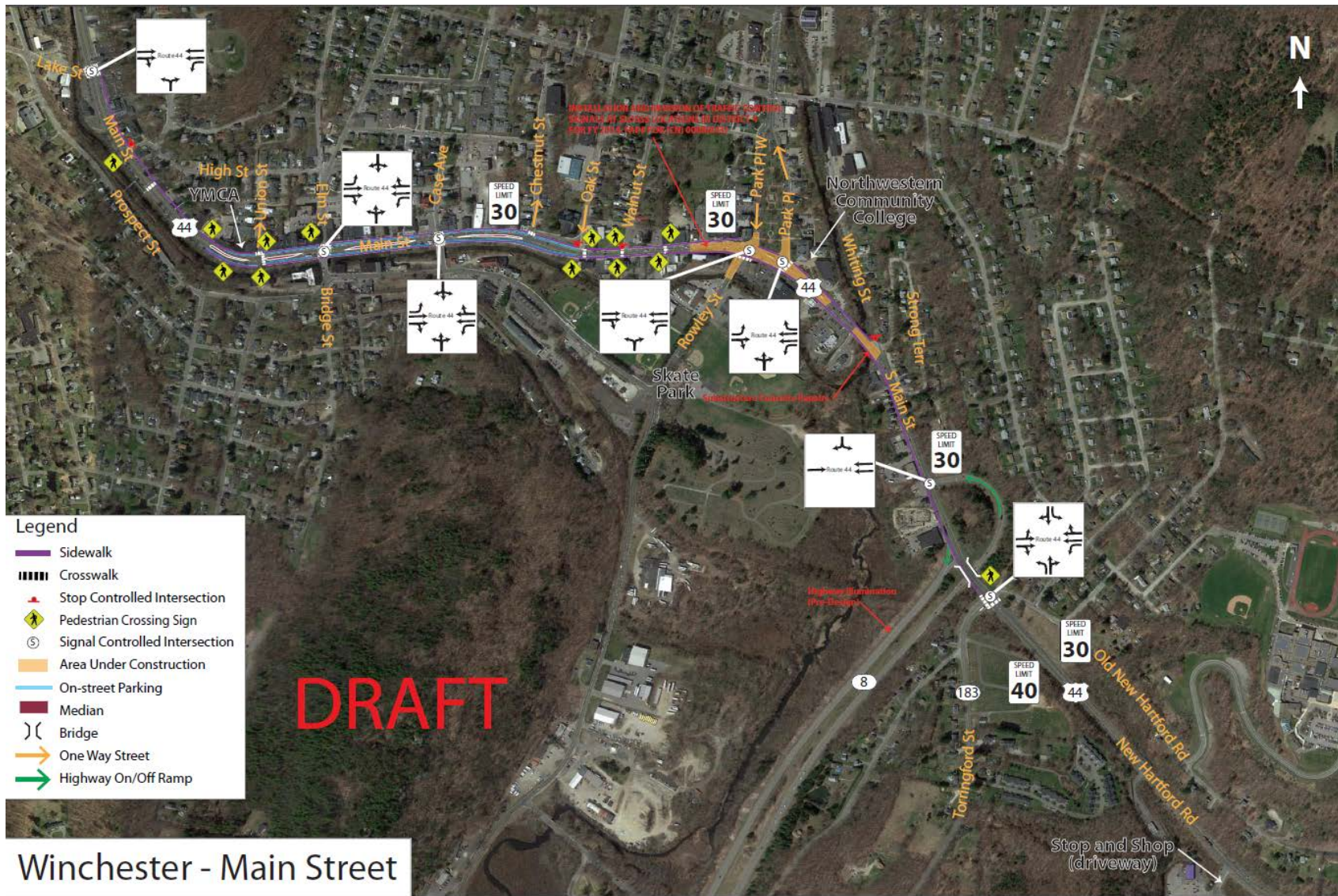


Figure 4. Main Street/South Main Street Road Geometrics

Winchester – Main Street/ South Main Street (Route 44)  
Street Inventory

Street	Direction	Lanes	Ave. Lane Width	Sidewalk			Curb	Parking	Shoulder	Ramps	
				Type	Width	Condition*				Exist	Complaint
Main Street (YMCA to Chestnut St)	EB	2	11'	Concrete & Brick	4.5'	Good	Granite	Yes	9'	Yes	No
	WB	2	11'	Concrete & Brick	6'/13'	Good	Granite	Yes	9'	Yes	No
Main Street (Chestnut St to Park Place West)	EB	1	11'/22'	Concrete	4.5'	Fair	Granite	Yes	9'	Yes	No
	WB	1/2	11'	Concrete	9'	Good	Granite	Yes	8'/11'	Yes	No
S. Main Street (Park Place West to Whiting St)	EB	1/2	15'	Concrete	5.5'	Fair	Granite	No	7.5'	Yes	No
	WB	2	10'	Concrete	5.5'	Fair	Granite	No	1'	Yes	No
S. Main Street (Whiting St to Tarringford St)	EB	1/2	11.5'	Concrete	4'/5'	Fair	Granite	No	1'/9'	No	N/A
	WB	2	11.5'	None	N/A	N/A	Granite	No	1'	No	N/A
New Hartford Road	EB	1	12'	None	N/A	N/A	Yes	No	1'/9'	No	N/A
	WB	1	12'	None	N/A	N/A	No	No	1'/12.5'	None	N/A
Bridge Street	NB	1	43'	Concrete	3'/5'	Fair	Granite	No	None	Yes	None
	SB	1		Concrete	5'/9'	Poor	Granite	No	None	Yes	None
Willow Street	EB	1	32'-45.7'	None	N/A	N/A	No	Yes	None	None	N/A
	WB	1		Concrete	4'	Good	Concrete	Yes	None	Yes	Yes
Rowley Street	NB	1	11'	Asphalt	4'	Good	Asphalt	No	3'	Yes	No
	SB	1	11'	Asphalt	4'	Good	Asphalt	No	3'	Yes	No

\*CONDITION – "Good" is Serviceable Condition that meets current design standards. "Fair" is generally serviceable, but may need minor repairs, or may not completely align with current design standards. "Poor" is not serviceable, and generally inadequate for continued long-term use.

Table 3. Street Inventory



## 2.2 Prior Successful Effort

The Town has applied for grant funding to extend the Sue Grossman trail from Rowley Street into the Downtown. It would like to eventually extend the trail further west to the schools, Highland Lake and the Mad River dam area. A significant amount of public and private funding is being invested in the town that will encourage more visitors to the Main Street area. Planned developments include:

- Veterinary Technology and Allied Health Program Building (24,000 square feet) at Northwest CT Community College.
- Medical office building (20,000 square feet) operated by Hartford Hospital and American Mural Project building near this location.
- Several mill buildings (10,000-100,000 square feet) to be re-developed into mixed-use centers, including at the northwest corner of Bridge Street/Prospect Street/Depot Street.

The Northwest Hills Council of Governments (NHCOG) is currently performing a regional study, which includes Winchester.

The CTDOT is upgrading signal detection equipment at several intersections along Route 44.

A water/sewer project is planned along Main Street.

The Town is working on a rezoning plan.

## 2.3 Pre-Audit Meeting

The RSA was conducted on August 10, 2016. The Pre-Audit meeting was held at 8:30 AM in the Town Hall located at 338 Main Street in Winchester.

The RSA Team was comprised of staff from AECOM, staff from CTDOT, and representatives from several Winchester departments including the Mayor, Town Manager, Planning, Police, Public Works, Economic Development Commission, and Winsted Trails. The complete list of attendees can be found in Appendix B.

Several items were presented for general information prior to conducting the Audit in the field:

- The Town would like the study area to focus on Route 44 by the YMCA and the loop of Route 44, Bridge Street, Willow Street and Rowley Street, including the five-way intersection on Bridge Street.
- Rowley Street: Sue Grossman Trail (joint grant with Torrington) will be extended to skate park with new grant (non-motorized transportation grant). Construction expected next summer. Expected to be used by commuters. Hoping to extend connections to elementary school and Highland Lake.

- Town is considering options for making Willow Street one-way with additional parking and a sidewalk for trail continuation.
- The sidewalk on the south side of Route 44 currently ends at Route 183 (Torrington Street). The Town wants to continue the sidewalk east of Route 183 to Stop and Shop with plans to eventually continue further east to Barkhamsted and Canton.
  - People currently walk on the side of the road to Stop and Shop.
  - Wetlands may restrict ability to construct a sidewalk.
  - Already very wide road so there may be the possibility of a road diet to make room for sidewalks.
- There is senior housing in the area.
- NWCT Transit runs five trips per day between 9:00 AM and 2:30 PM. There is a senior dial-a-ride service.
- Five or six years ago there was a fatality at YMCA (curve with limited sightline and no crosswalk).
- On-street parking is highly utilized.
- Road design (three-four lanes plus parking) through downtown encourages motorists to speed.
- The choke point for traffic is where Route 44 westbound changes from two lanes to one lane west of Rowley Street.
- Pedestrians do not use crosswalks if they are not within a convenient distance of them.
- Bicyclists:
  - No bicycle facilities.
  - Ride with traffic on Main Street.
  - Riders from Winsted Trails.
  - Children ride on sidewalk because they feel uncomfortable in roadway.
  - The Town has not yet completed a complete streets or a bike/pedestrian plan.
- The Town is working on a rezoning plan.
- The Town would like to explore options of reducing Main Street to one lane of travel in each direction and providing angled parking or a dedicated bike lane.
- Motorists drive 45 mph, not posted 30 mph.
- Police Department looking to purchase speed trailer.
- NHCOC is currently performing a regional study which includes Winchester.
- Other signalized intersections on Route 44 are being upgraded by CTDOT with new detection equipment.
- New Henny Penny development planned on east side of Route 8 near Stop and Shop:
  - Will be required to build sidewalk in front of their business.
  - Connection could be made to Stop and Shop and a crosswalk installed.
- Intersection of Routes 44 and 183 does not have a dedicated exclusive pedestrian phase.

- Children walk downtown from high school on Route 44 without a sidewalk.
- Town ordinance prohibits bikes and skateboards on sidewalk, but it is not enforced.
- Several residents use motorized scooters and sometimes do not use sidewalk and ride in shoulder.
- Handicap ramps are aligned incorrectly.
- There are no handicap ramps at Main Street and Walnut Street.
- Snow is maintained by Town on Main Street.
  - Sidewalk connection to Stop and Shop would have to be Town maintained.
- A water/sewer project is planned along Main Street. This could be coordinated with complete streets improvements.
- The Northwestern Connecticut Community College (NWCCC) and medical center are planning new projects.
- The intersection of Rowley Street/Park Place West is an off-set four-way intersection that experiences congestion and where there are conflicts between side street traffic. One option may be to split the traffic phases.
- The issue of providing parking in the back of Main Street businesses was discussed. Most people do not have difficulty finding parking on the street.
- If the Downtown area were more inviting people would walk and bike more. It was noted that some residents on Main Street do not have off-street parking spaces.
- The Town would like to see the Sue Grossman Trail extended west to the Mad River Dam area with a parking lot so people could walk from the dam to downtown.

Meeting Material Presented:

- Traffic:
  - Lower volumes on west end of Main Street corridor.
  - Higher volumes near NWCCC and Route 8.
  - Traffic volumes higher in summer with tourist traffic and lower in winter.
- Crashes:
  - Many curb cuts along Main Street could be contributing to crashes.
  - Clusters at intersections.
  - Four crashes with bikes and two with pedestrians.
  - High number of parking crashes.
    - People pulling in and out of parallel parking on a high speed road.
  - Crashes concentrated in PM peak and spread throughout daytime hours.
- Mixed opinions on whether there is enough parking for Main Street.
- Once Main Street is made more inviting to pedestrians then you may see people willing to walk further to destinations.

### 3 RSA Assessment

#### 3.1 Field Audit Observations

##### Union Street and YMCA

- Handicap ramp missing detectable warning strip.
- Located on a sharp curve with limited sight distance (Figure 5).
- Due to vehicle speeds and sight distance constraints a midblock crosswalk would not be recommended, may give pedestrians a false sense of security. A flashing beacon and advance signage would be needed as a minimum for a crosswalk at this location, in addition to reducing to one lane as part of a road diet.
- Pedestrian crossed midblock here during the audit (Figure 6).



Figure 5. Sharp Curve with Limited Sight Distance on Union Street

##### Crosswalk across from Union Street:

- Pedestrian crossing sign is mounted too low and not new retro-reflective type (Figure 7).
- Yield (shark tooth) lines.
- Long crossing distance.



Figure 6. Pedestrian Crossing Main Street near YMCA

##### Sidewalk on south side of Main Street:

- Benches and trees in vicinity of Union Street crosswalk.
- Sidewalk narrows moving east and is interrupted by street signs and lights in some spots.

##### Main Street/Bridge Street/Elm Street Intersection

- No detectable warning strips.
- Handicap ramps aligned at 45 degree angle and not with crosswalks.
- Deteriorating sidewalk on southwest corner (Figure 8).
- Pedestrian button needs repair.



Figure 7. Pedestrian Crossing Sign on Union Street



## Bridge Street

- Broken, uneven sidewalk (Figure 9).

## Bridge Street/Prospect Street/Depot Street Intersection

- Depot Street is missing a stop sign.
- Low traffic volume street.
- No curbing on driveway at corner of Bridge and Prospect Street.
- No crosswalks (Figure 10).
- Southbound Bridge Street approach has a very steep grade (Figure 10).
- Wide turn radius on northwest corner which encourages motorists to make right turns at high speed.
- Driveway to mill building located at northwest corner. New occupants expected in fall, owner supportive of measures to improve intersection.
- Tightening the intersection and a roundabout/traffic circle are options to consider



Figure 8. Deteriorating Sidewalk on Southwest Corner of Main Street/Bridge Street



Figure 9. Poor Sidewalk Condition on Bridge looking North at Main Street



Figure 10. Prospect Street looking West at Bridge Street

## Willow Street and Bridge Street Intersection

- Crosswalk on Willow Street has no handicap ramp landing (Figure 11).



Figure 11. Crosswalk across Willow Street at Bridge Street

### Willow Street:

- 45.5 feet wide (includes on-street parking).
- No striping, no shoulder.
- Inconsistent sidewalks.
- No sidewalks on west end of Willow Street (Figure 12). Sidewalk on north side on east segment.
- Deteriorated curb (Figure 13).
- Mid-block crosswalk between the park and parking lot.
  - Crosswalk with stop signs on Willow Street and pedestrian bollard.
  - Pedestrian crossing sign mounted too low and under stop sign. Not retro-reflective.
  - Stop signs at this crossing between the park and parking lot.
  - Only has a ramp on the north side, which is lacking pedestrian detectable warning strip.
  - Crosswalk ends in driveway on south side, no detectable warning strip on north side (Figure 14).
- "Stop ahead" sign mounted low and partially blocked by branches.
- Town would like to redevelop this area with consideration given to closing Willow Street and converting to parking or a making a one-way street.

### Willow Street at Rowley Street:

- Crosswalk at parking lot near corner of Willow Street and Rowley Street (Figure 15). No detectable strip on south side.
  - One ADA compliant ramp.
  - Set back from intersection.
  - Bicyclists do not stop crossing Willow Street coming out of skate park.
- Multi-use trail will come out by the wall at the entrance to the cemetery.



Figure 12. Willow Street on West end looking East



Figure 13. Broken Concrete Curb on North Side of Willow Street



Figure 14. Willow Street looking East at Mid-block Crosswalk



Figure 15. Crosswalk on Willow Street at Skate Park

- Trail is planned to cross at the Rowley Street northbound approach next to the cemetery driveway.
- The sightlines are restricted due to the crest for northbound Rowley Street vehicles approaching Willow Street and the cemetery driveway (Figure 16).
- Wide turn radius at Willow Street approach.



Figure 16. Rowley Street Southbound Approach (in background) to Willow Street

**Rowley Street (between Willow Street and Route 44):**

- Existing sidewalk bituminous is 4 feet wide on both sides.
- There should be room to widen the sidewalk to 10-12 feet on the west side to include it as an extension of the multi-use trail (Figure 17).
- Mid-block crosswalk between parks does not have ADA ramps (Figure 18).
  - Has pedestrian crossing signs (not retro-reflective).
  - Yield lines painted.
- Very long driveway to cross without sidewalk at Superior Plus Energy Services.
- Portions of the sidewalk are uneven by bridge over Mad River (Figure 19).
- Utility pole in middle of sidewalk (just north of Mad River bridge).
- Sidewalk on east side ends at bridge, does not continue through Dairy Queen Driveway to Route 44.



Figure 17. Sidewalk on Rowley Street North of Willow Street looking North



Figure 18. Mid-block Crosswalk on Rowley Street between Parks

**Intersection of Rowley Street and Route 44:**

- Main Street westbound west of Rowley Street drops from two lanes to one lane.
- Utility/span pole located at southeast corner at crosswalk.
- ADA compliant ramps on southwest corner of intersection.
- No detectable warning strips at ramps.

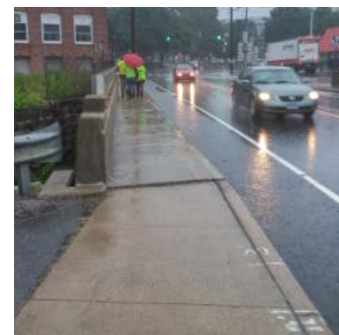


Figure 19. Uneven Sidewalk on Rowley Street looking North at Bridge over Mad River

- Crosswalks located across Rowley Street and west leg of Route 44.
- Poor drainage on southwest corner. Lack of curb allows water to flow onto sidewalk (Figure 20).



Figure 20. Water Running on sidewalk at Southwest Corner of Main Street/Rowley Street

### 3.2 Post Audit Workshop - Key Issues

1. Sidewalk on the south side of Route 44 does not extend east beyond Route 183.
2. Route 44 provides three or four lanes in the Downtown area which encourages high vehicle travel speeds and requires pedestrians to cross multiple lanes, often mid-block without crosswalks.
3. Several intersections do not have ADA compliant handicap ramps or they are misaligned.
4. Several pedestrian crosswalk signs are old and mounted below seven feet.
5. There are currently no bicycle facilities on Route 44.
6. Several intersections have safety and/or operational issues including Route 44/Rowley Street (westbound lane drop) and Route 44/Route 183 (lack of exclusive pedestrian signal phase).
7. Motorist sight distance is restricted on Route 44 at the YMCA due to the horizontal curve.



8. Several residents use motorized scooters and sometimes do not use sidewalk and ride in shoulder.
9. The intersection of Bridge Street/Prospect Street/Depot Street has no crossings and wide radius which encourages high speeds for turning vehicles.
10. There is the potential to either close Willow Street to provide parking or convert to one way.
11. The multi-use trail is planned to cross at the Rowley Street northbound approach next to the cemetery driveway. The sight distance is restricted due to the crest for northbound Rowley Street vehicles approaching Willow Street and the cemetery driveway.
12. Large turn radius on Willow Street at Rowley Street encourages high speed vehicle turns.
13. The sidewalk on the west side of Rowley Street can be considered to convert to a multi-use trail. There is potential to route the trail behind the ball fields and continue west parallel to the Mad River.

#### 4 Recommendations

From the discussions during the Post-Audit meeting, the RSA team compiled a set of recommendations that are divided into short-term, mid-term, and long-term categories. For the purposes of the RSA, **Short-term** is understood to mean modifications that can be expected to be completed very quickly, perhaps within six months, and certainly in less than a year if funding is available. These include relatively low-cost alternatives, such as striping and signing, and items that do not require additional study, design, or investigation (such as right-of way acquisition). **Mid-term** recommendations may be more costly and require establishment of a funding source, or they may need some additional study or design in order to be accomplished. Nonetheless, they are relatively quick turn-around items, and should not require significant lengths of time before they can be implemented. Generally, they should be completed within a window of eighteen months to two years if funding is available. **Long-term** improvements are those that require substantial study and engineering, and may require significant funding mechanisms and/or right-of-way acquisition. These projects generally fall into a horizon of two or more years when funding is available.

## 4.1 Short Term

1. Town to coordinate with proposed Henny Penny development near Stop and Shop to require that sidewalks are constructed. This should be designed to connect with a future sidewalk on Route 44 to Stop and Shop.
2. Local Traffic Authority (LTA) to request the CTDOT to help perform an evaluation of the following locations:
  - a. Consideration of an exclusive pedestrian phase at Route 44/Route 183.
  - b. Consideration of splitting the signal phases on Rowley Street and Park Place West at Main Street to eliminate vehicle conflicts caused by the off-set intersection alignment.
  - c. Improving merging operation of traffic on Main Street west of Rowley Street by providing a new lane drop sign on Main Street westbound before the lane drop, lane pavement markings, and shifting yellow center line north to reduce merge area and better delineate travel lanes.
3. Local Traffic Authority (LTA ) to request the CTDOT to assist with the coordination to provide pedestrian handicap ramps at locations along Route 44 including:
  - a. Walnut Street.
  - b. Union Street.
  - c. Bridge Street/Elm Street.
  - d. Rowley Street ramps and curbing.
  - e. Other locations as needed.
4. Local Traffic Authority (LTA) to request the CTDOT to assist with the coordination to upgrade pedestrian signs to new retro-reflectivity standard and raise signs currently below seven feet at locations along Route 44 (including Union Street).
5. Local Traffic Authority (LTA) to request the CTDOT to assist with the coordination to repair the pedestrian button at Main Street/Bridge Street/Elm Street (Figure 21).
6. Local Traffic Authority (LTA) to request the CTDOT to assist with the coordination to identify where Route 44 is on the Vendor In-Place schedule for repaving.
7. The Town can make the following improvements:
  - a. Consider installing a stop sign on the Depot Street approach to Bridge Street.
  - b. Provide new retro-reflective signs, raise the height of signs, trim vegetation at mid-block crosswalk on Willow Street.
  - c. Consider advance intersection ahead signs on Rowley Street northbound approaching Willow Street (Figure 22).
  - d. Consider striping sharrows on Willow Street (Figure 23).

8. Town to coordinate with property owner on the southwest corner of Bridge Street and Prospect Street to provide improvements in the short term such as crosswalks, curbing and bollards/stanions to reduce the wide turn radius (longer term measures are discussed below).



Figure 21. Pedestrian Push Button



Figure 22. Intersection Ahead Sign



Figure 23. Sharrow

Figure 24 depicts some of these recommendations.

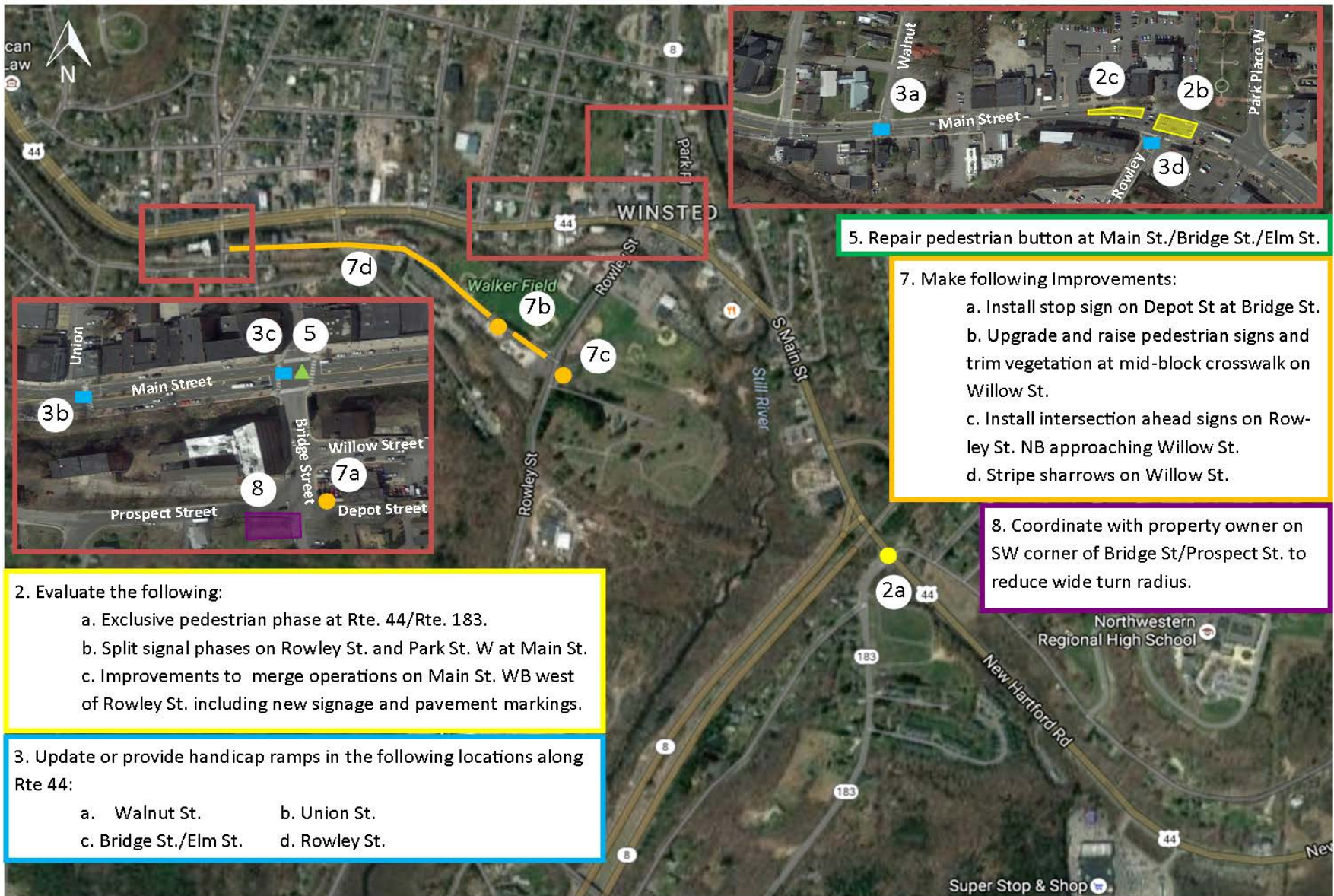


Figure 24. Short Term Recommendations Map



## 4.2 Medium Term

1. Town may develop a pedestrian and bicycle plan to in coordination with NHCOC guide operations and safety improvements. The plan should include the following areas:
  - a. Options for maximizing utility of Willow Street. Options may include converting to one-way travel; new sidewalk on west end to Bridge Street, providing an extension of the Sue Grossman trail; and providing parking.
  - b. Plan to extend sidewalk on New Hartford Road (Route 44) east of Route 183 to Stop and Shop. Coordinate with residential and commercial property owners abutting Route 44 and proposed developments to preserve right of way.
  - c. Road Diet and Complete Street options for Main Street/South Main Street that may include one travel lane and providing dedicated bike lanes and/or angle parking.
  - d. Potential for a mid-block pedestrian crosswalk at the YMCA including option for rectangular rapid flashing beacon in conjunction with road diet option in c above.
  - e. Widening sidewalk on the west side of Rowley Street north of Willow Street as an extension of Sue Grossman Trail. Option to extend trail on Willow Street or in back of Walker Field along Mad River. Option to extend Sue Grossman Trail further west to connect with school, Mad River Dam area and Highland Lake.
2. Town may develop a Complete Streets Policy.
3. The Town to conduct a parking study in the Downtown area to quantify parking supply, demand and utilization by day of week and time.
4. Town to repair/provide the following pedestrian facilities.
  - a. Sidewalk on west side of Bridge Street south of Main Street.
  - b. Provide handicap ramps at Bridge Street/Willow Street.
  - c. Provide landing and handicap ramp on south side of mid-block crosswalk on Willow Street at Walker Field.
  - d. Provide detectable warning strip on south side of Crosswalk on Willow Street at Skate park and upgrade pedestrian signs (Figure 25).
  - e. Provide handicap ramps at crosswalk on Rowley Street north of Willow Street.
  - f. Repair uneven sidewalk on the west side Rowley Street at Mad River bridge.
  - g. Continue sidewalk on the east side of Rowley Street between the Mad River bridge and South Main Street across the Dairy Queen driveway.
  - h. Consider rectangular rapid flashing beacon (RRFB) for crosswalk on Rowley Street north of Willow Street (Figure 26).

5. Town to develop options at the intersection of Bridge Street/Prospect Street/Depot Street to tighten the intersection to shorten pedestrian crossing distance and reduce vehicle turning speeds. Options may include curb extensions and a roundabout.

Figure 27 depicts some of the recommendations along Main Street.



Figure 25. Detectable Warning Strip



Figure 26. Rectangular Rapid Flashing Beacon

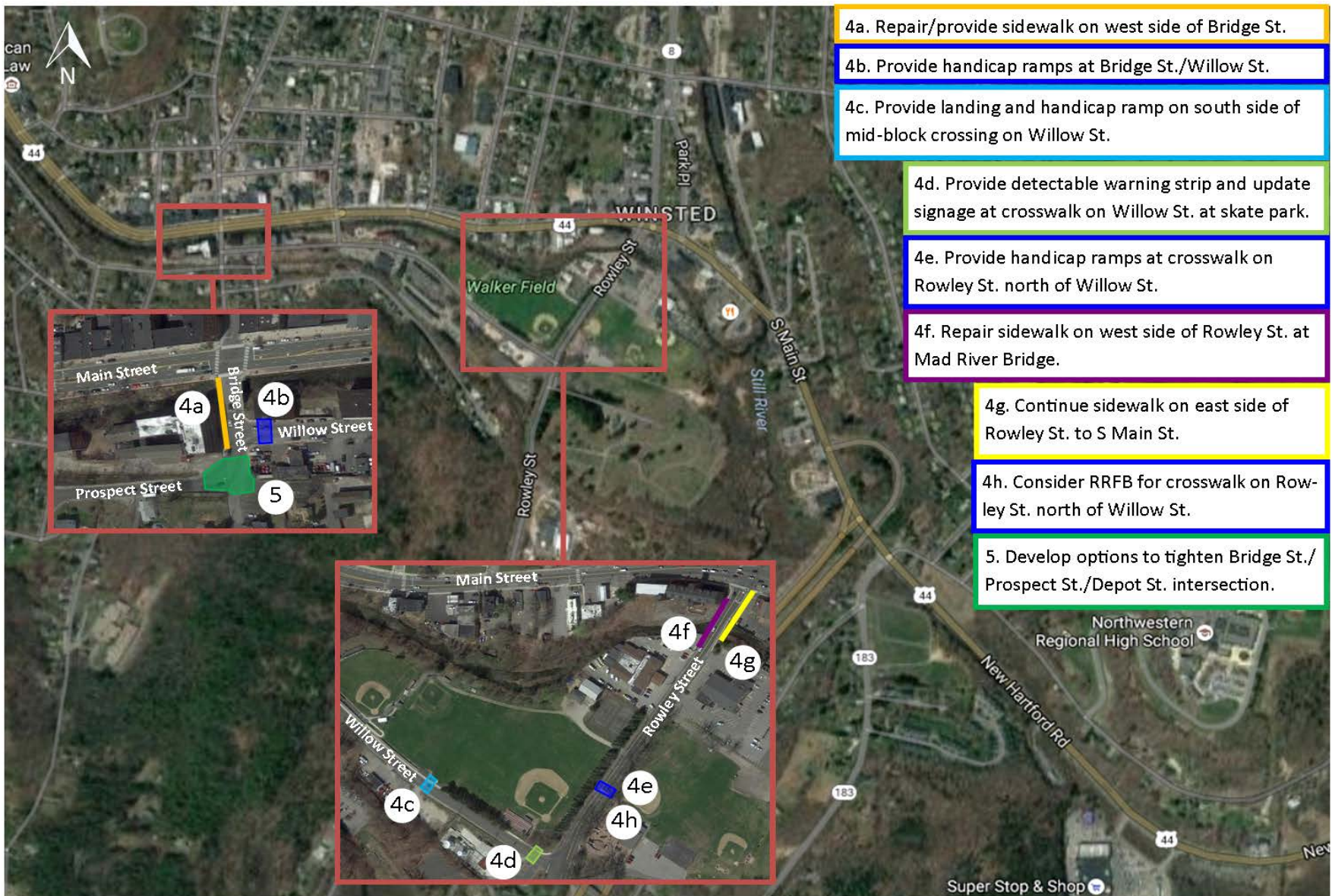


Figure 27. Medium Term Recommendations Map



### 4.3 Long Term

1. Town to consider extending curbs at Willow Street/Rowley Street to slow speeds of turning vehicles (Figure 28).
2. Fund and construct pedestrian and bicycle improvements at the following locations:
  - a. Willow Street reuse.
  - b. New sidewalk on Route 44 east of Route 183 to Stop and Shop.
  - c. Road Diet and Complete Streets improvements for Main Street in Downtown area.
  - d. Extension of Sue Grossman trail west of Rowley Street.
  - e. Improvements at Bridge Street/Prospect Street/Depot Street.

Figure 29 depicts some of these recommendations.



Figure 28. Curb Extension

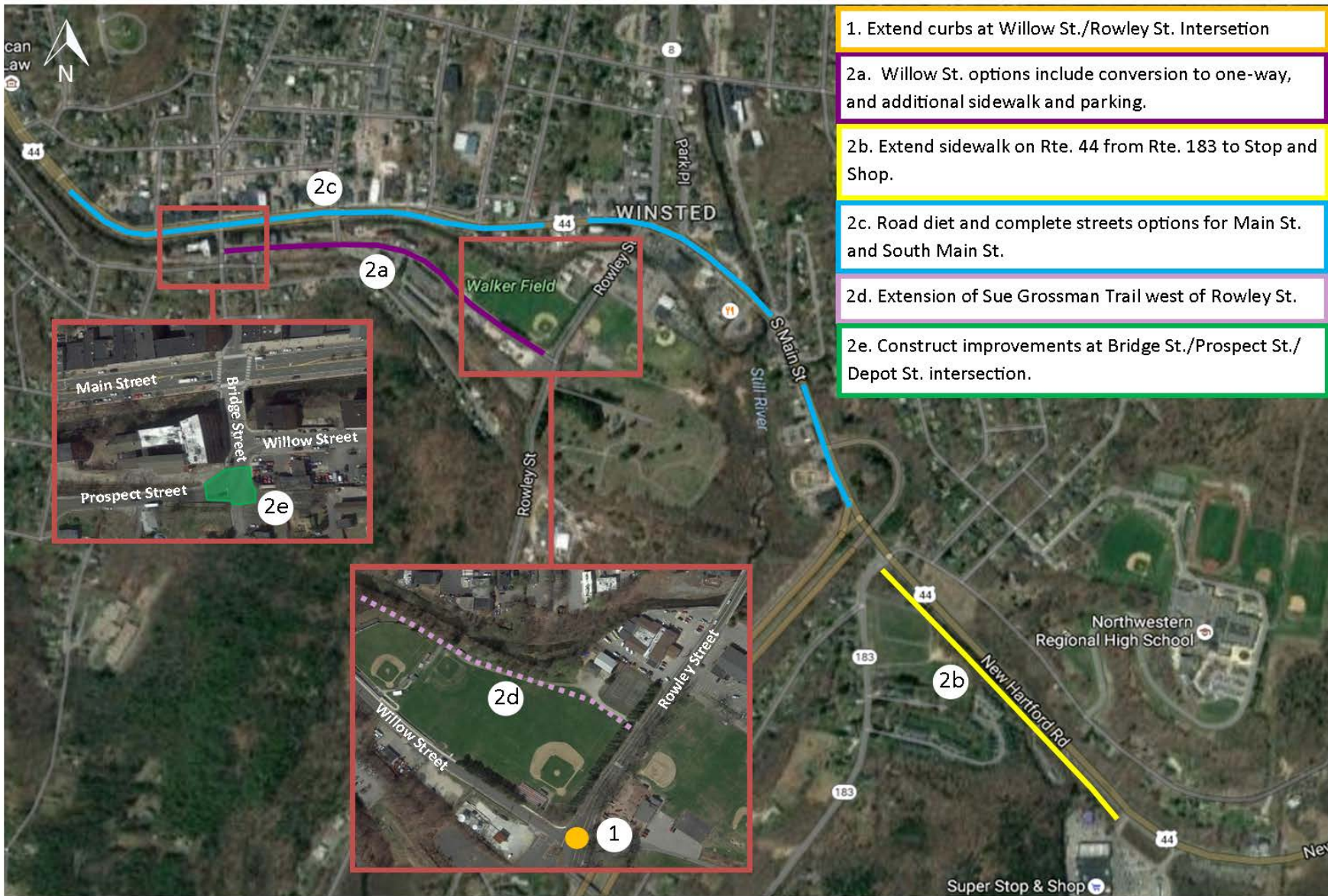


Figure 29. Long Term Recommendations Map

#### 4.4 Summary

This report documents the observations, discussions and recommendations developed during the successful completion of the Town of Winchester RSA. It provides Winchester with an outlined strategy to improve the transportation network for all road users on Main Street/South Main Street (US Route 44) between the YMCA on the west and the Stop and Shop on the east; Bridge Street between Main and Prospect Streets; Willow Street; and Rowley Street north of Willow Street, particularly focusing on pedestrians and cyclists. Moving forward, Winchester may use this report to prepare strategies for funding and implementing the improvements, and as a tool to plan for including these recommendations into future development along Main Street/South Main Street (US Route 44).



**COMMUNITY**  
connectivity program

# Appendix A



**AECOM**  
Built to deliver a better world

# Welcome to the Community Connectivity Program Application



Please fill in the following information to provide the Audit team leaders with a comprehensive description of the area contained in this application.

## 1. Applicant contact information

<b>Name</b>	<input type="text"/>
<b>Title</b>	<input type="text"/>
<b>Email Address</b>	<input type="text"/>
<b>Telephone Number</b>	<input type="text"/>

## 2. Location information

<b>Address</b>	<input type="text"/>
<b>Description</b>	<input type="text"/>
<b>City / Town</b>	<input type="text"/>



**3. Roadway type**  
**(Please select all that apply)**

State road

Local road

Private Road

Other (please specify)

**4. Zoning**  
**(Please select all that apply)**

Industrial

Residential

Commercial

Mixed Use

Retail

N/A (not applicable)

Other (please specify)

**5. Approximate mile radius around the location**

Other (Please Specify)

**6. Community Sites**  
**(Please select all that apply)**

Community Centers

Business Districts

Restaurant/Bar Districts

Churches

Housing Complexes

Proximity to Schools

Tourist Locations (examples – Casino, Malls, Parks, Aquarium, etc...)

N/A (not applicable)

Other (please specify)

**7. Employment Facilities**  
**(Retail, Industrial, etc...)**

Yes

No

**If Yes please describe (please specify)**

**8. Educational facilities**

**(Please select all that apply)**

Public, Parochial, Private Schools (more than 1 school within a ½ mile)

University / Community Colleges

N/A (not applicable)

Other (please specify)

**9. Transit facilities**

**(Please select all that apply)**

Bus

Rail

Ferry

Airport

Park and Ride Lot

N/A (not applicable)

Other (please specify)

**10. Safety Concerns**  
**(Please select all that apply)**

Traffic (volumes & speed)

Collisions

Sidewalks

Traffic Signals

Traffic Signs

Parking Restrictions / Additions

Drainage

ADA Accommodations

Agricultural & Live Stock crossing

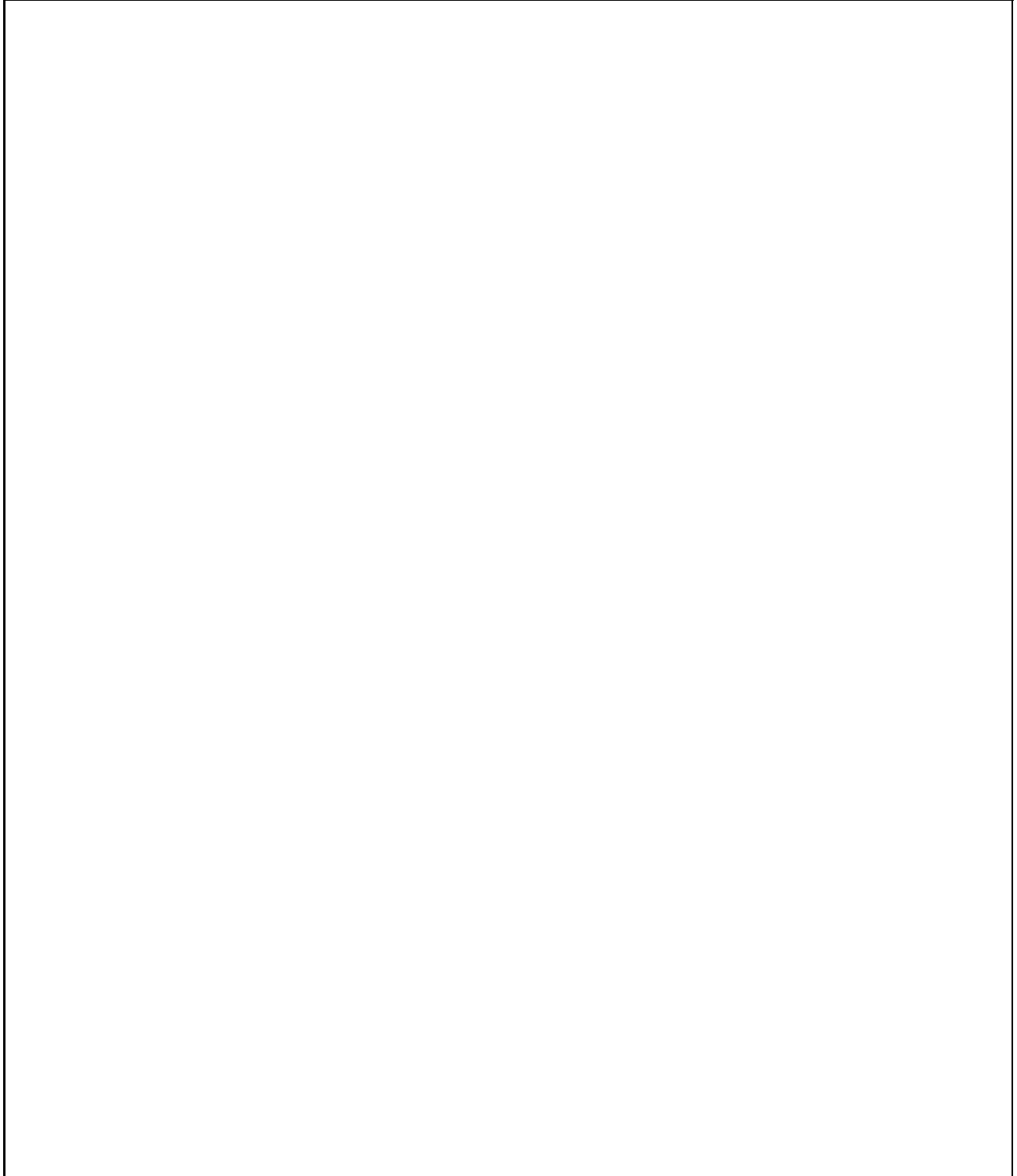
Maintenance issues (cutting grass, leaves, snow removal)

N/A (not applicable)

Other (please specify)

**11. Are there any past, current or future transportation/economic development projects near this location (i.e. Federal, State or local projects)?**

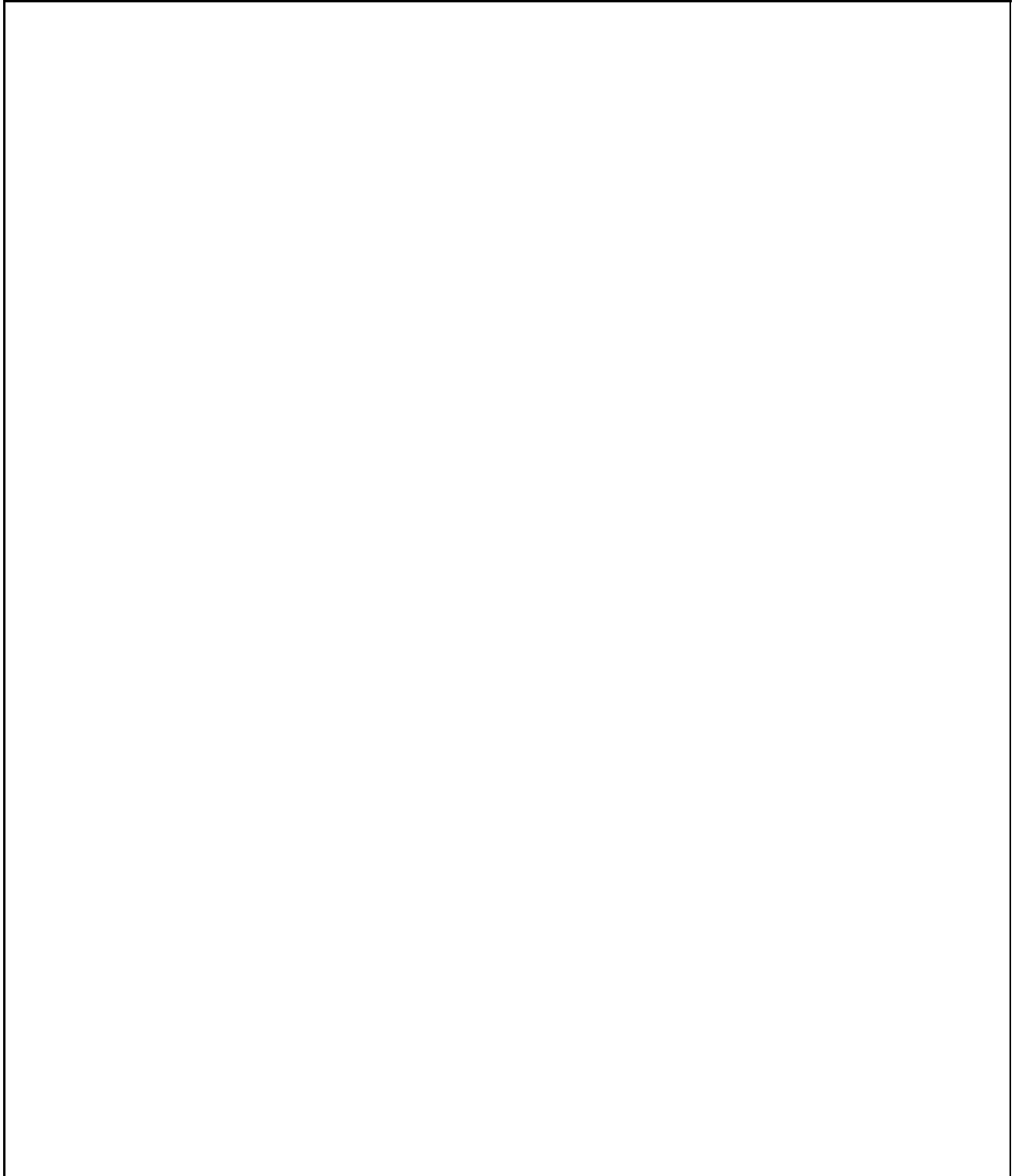
**If Yes please describe and list all projects.**

A large, empty rectangular box with a thin black border, intended for the user to describe and list any past, current, or future transportation or economic development projects near the location. The box is currently blank.

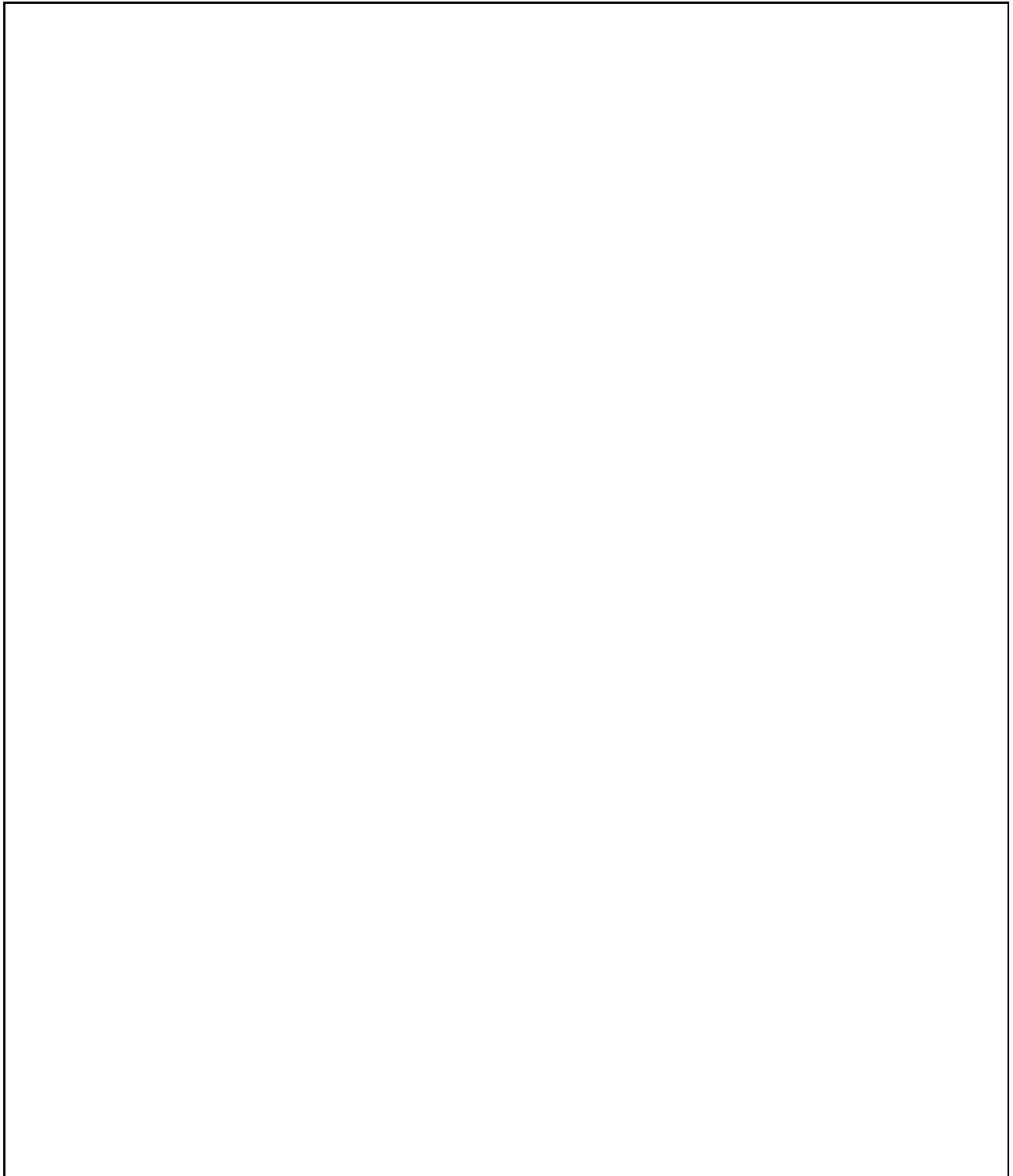


**12. Environmental Concerns:**

**If Yes please describe and list.**

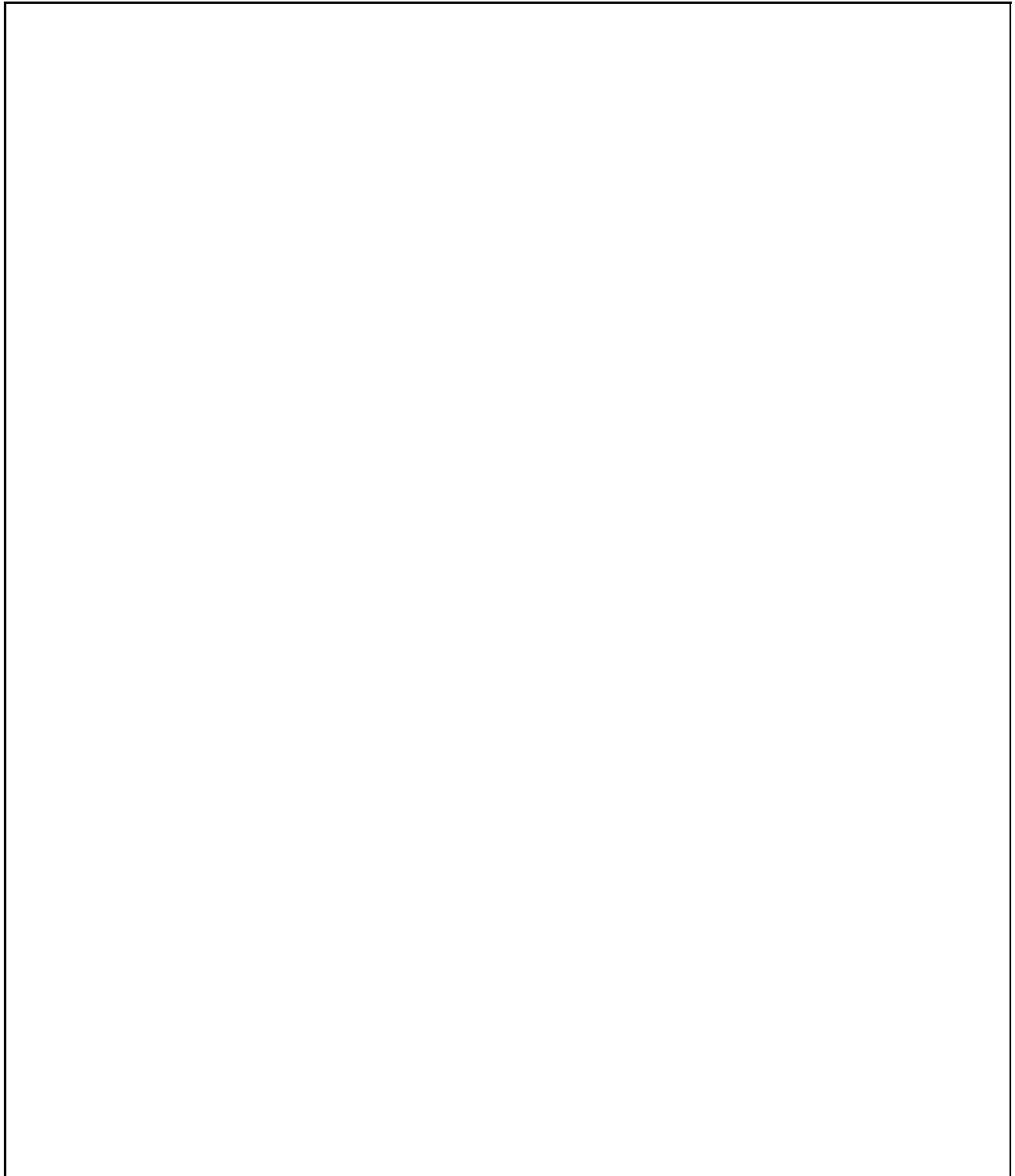
A large, empty rectangular box with a thin black border, intended for the user to describe and list any environmental concerns. The box occupies most of the page's vertical space below the instruction.

**13. Please explain why this location should be considered for an RSA**

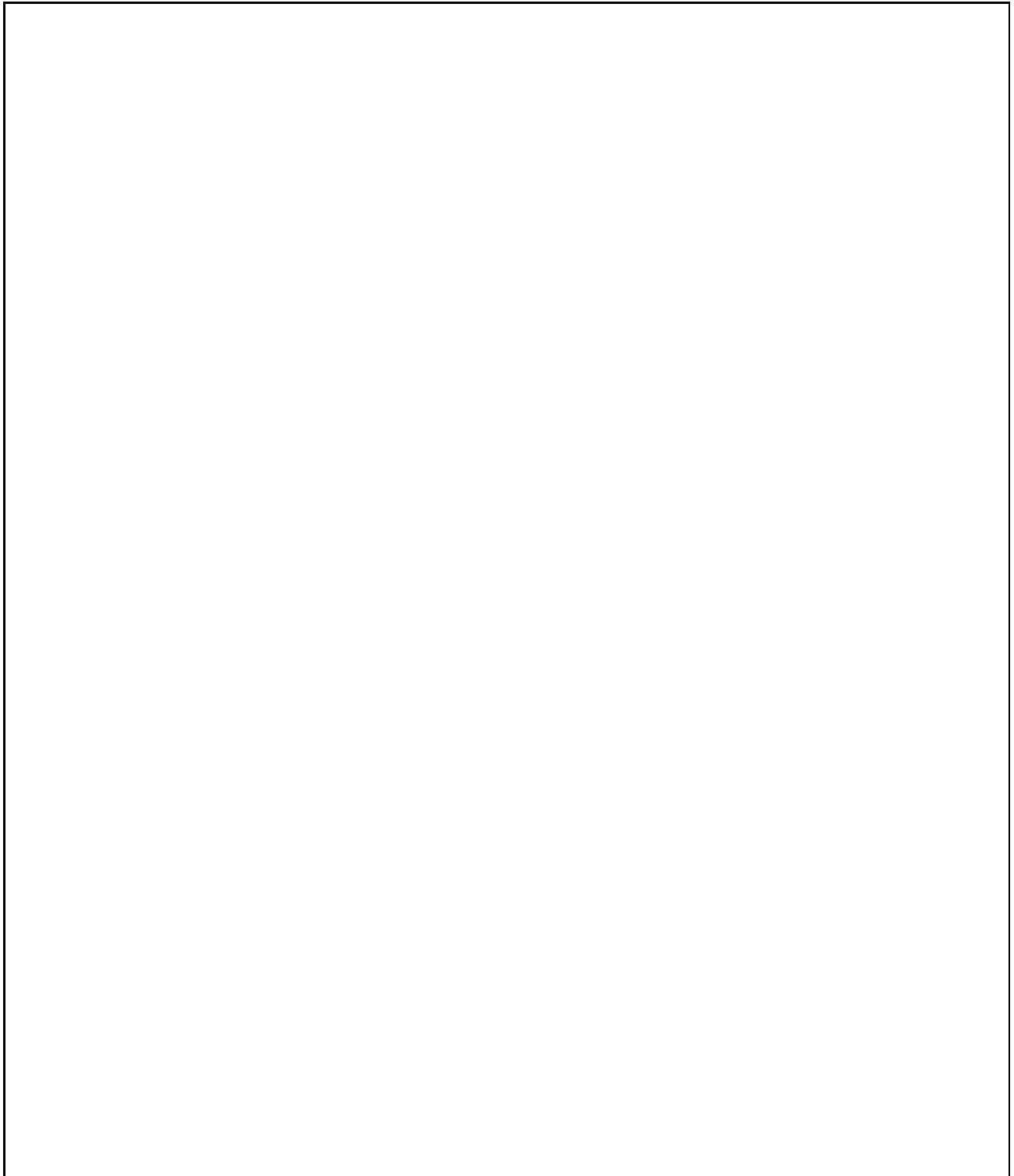
A large, empty rectangular box with a thin black border, intended for the user to provide an explanation for why a location should be considered for an RSA. The box occupies most of the page's vertical space below the question.

**14. Are there plans to expand the area?**

(Transportation Oriented Development, Economic Development, housing, etc...)



**15. Any other pertinent information that is unique to this location?**

A large, empty rectangular box with a thin black border, intended for the user to provide any other pertinent information unique to the location.

**Thank you for completing the Community Connectivity application.**

**Please click on the "submit button" below and include the following attachments**

- 1 Location map (google, GIS) **(Required)**
- 2 Collision data (If available)
- 3 Traffic data (ADT or VMT) (If available)
- 4 Pedestrian/bicycle data (If available)





**COMMUNITY**  
connectivity program

# Appendix B



**AECOM**  
Built to deliver a better world



## Road Safety Audit

**Town:** Winchester  
**RSA Location:** Main Street between Lake Street and Ledgebrook Shopping Plaza  
**Meeting Location:** Winchester Town Hall  
**Address:** 338 Main St, Winchester, CT 06098  
**Date:** 8/10/2016  
**Time:** 8:30AM

## Participating Audit Team Members

Audit Team Member	Agency/Organization
Rista Malanca	Winsted Trails
Steven Sadlowski	Town Planner
Phillip Allen	EDC/Winsted Trails
Peter Delouis	Police Department
Bob Geiger	Town Manager
Jim Rollins	DPW
Candy Perez	Mayor
Jeffrey Maxtutis	AECOM
Lorenzo Varone	AECOM



**COMMUNITY**  
connectivity program

# Appendix C



**AECOM**  
Built to deliver a better world



## Road Safety Audit – Winchester

**Meeting Location:** Winchester Town Hall  
**Address:** 338 Main Street  
**Date:** 8/10/2016  
**Time:** 8:30

### Agenda

- Type of Meeting:** Road Safety Audit – Pedestrian Safety
- Attendees:** Invited Participants to Comprise a Multidisciplinary Team
- Please Bring:** Thoughts and Enthusiasm!!
- 8:30 AM**                      **Welcome and Introductions**
- Purpose and Goals
  - Agenda
- 8:45 AM**                      **Pre-Audit**
- Definition of Study Area
  - Review Site Specific Data:
    - Average Daily Traffic
    - Crash Data
    - Geometrics
  - Issues
  - Safety Procedures
- 10:00 AM**                    **Audit**
- Visit Site
  - As a group, identify areas for improvements
- 12:00 PM**                    **Post-Audit Discussion / Completion of RSA**
- Discussion observations and finalize findings
  - Discuss potential improvements and final recommendations
  - Next Steps
- 2:30 PM**                      **Adjourn for the Day – but the RSA has not ended**

#### Instruction for Participants:

- Before attending the RSA, participants are encouraged to observe the intersection and complete/consider elements on the RSA Prompt List with a focus on safety.
- All participants will be actively involved in the process throughout. Participants are encouraged to come with thoughts and ideas, but are reminded that the synergy that develops and respect for others' opinions are key elements to the success of the overall RSA process.
- After the RSA meeting, participants will be asked to comment and respond to the document materials to assure it is reflective of the RSA completed by the multidisciplinary team.



## Audit Checklist

Pedestrians and Bicycles	Comment
<p><b>Pedestrian Crossings</b></p> <ul style="list-style-type: none"><li>• Sufficient time to cross (signal)</li><li>• Signage</li><li>• Pavement Markings</li><li>• Detectable warning devices (signal)</li><li>• Adequate sight distance</li><li>• Wheelchair accessible ramps<ul style="list-style-type: none"><li>○ Grades</li><li>○ Orientation</li><li>○ Tactile Warning Strips</li></ul></li><li>• Pedestrian refuge at islands</li><li>• Other</li></ul>	
<p><b>Pedestrian Facilities</b></p> <ul style="list-style-type: none"><li>• Sidewalk<ul style="list-style-type: none"><li>○ Width</li><li>○ Grade</li><li>○ Materials/Condition</li><li>○ Drainage</li><li>○ Buffer</li></ul></li><li>• Pedestrian lighting</li><li>• Pedestrian amenities (benches, trash receptacles)</li><li>• Other</li></ul>	



<b>Bicycles</b> <ul style="list-style-type: none"><li>• Bicycle facilities/design</li><li>• Separation from traffic</li><li>• Conflicts with on-street parking</li><li>• Pedestrian Conflicts</li><li>• Bicycle signal detection</li><li>• Visibility</li><li>• Roadway speed limit</li><li>• Bicycle signage/markings</li><li>• Shared Lane Width</li><li>• Shoulder condition/width</li><li>• Traffic volume</li><li>• Heavy vehicles</li><li>• Pavement condition</li><li>• Other</li></ul>	
--	--

<b>Roadway &amp; Vehicles</b>	
<ul style="list-style-type: none"><li>• Speed-related issues<ul style="list-style-type: none"><li>○ Alignment;</li><li>○ Driver compliance with speed limits</li><li>○ Sight distance adequacy</li><li>○ Safe passing opportunities</li></ul></li></ul>	
<ul style="list-style-type: none"><li>• Geometry<ul style="list-style-type: none"><li>○ Road width (lanes, shoulders, medians);</li><li>○ Access points;</li><li>○ Drainage</li><li>○ Tapers and lane shifts</li><li>○ Roadside clear zone /slopes</li><li>○ Guide rails / protection systems</li></ul></li></ul>	

<ul style="list-style-type: none"><li>• Intersections<ul style="list-style-type: none"><li>○ Geometrics</li><li>○ Sight Distance</li><li>○ Traffic control devices</li><li>○ Safe storage for turning vehicles</li><li>○ Capacity Issues</li></ul></li></ul>	
--	--





<ul style="list-style-type: none"><li>• Pavement<ul style="list-style-type: none"><li>○ Pavement Condition (excessive roughness or rutting, potholes, loose material)</li><li>○ Edge drop-offs</li><li>○ Drainage issues</li></ul></li><li>• Lighting Adequacy</li></ul>	
<ul style="list-style-type: none"><li>• Signing<ul style="list-style-type: none"><li>• Correct use of signing</li><li>• Clear Message</li><li>• Good placement for visibility</li><li>• Adequate retroreflectivity</li><li>• Proper support</li></ul></li></ul>	
<ul style="list-style-type: none"><li>• Signals<ul style="list-style-type: none"><li>○ Proper visibility</li><li>○ Proper operation</li><li>○ Efficient operation</li><li>○ Safe placement of equipment</li><li>○ Proper sight distance</li><li>○ Adequate capacity</li></ul></li></ul>	
<ul style="list-style-type: none"><li>• Pavement Markings<ul style="list-style-type: none"><li>○ Correct and consistent with MUTCD</li><li>○ Adequate visibility</li><li>○ Condition</li><li>○ Edgelines provided</li></ul></li></ul>	
<ul style="list-style-type: none"><li>• Miscellaneous<ul style="list-style-type: none"><li>○ Weather conditions impact on design features.</li><li>○ Snow storage</li></ul></li></ul>	



# Winsted Pedestrian / Cyclist Hot Spots



## Community Connectivity Program Areas of Special Concern

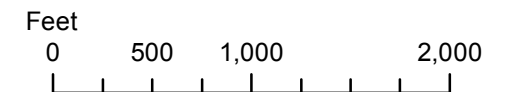
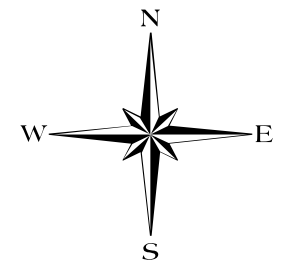
**Main Street**  
Review crossings for safety

**NCCC to Stop and Shop**  
Lack of sidewalks - explore options

**Skate Park**  
No traffic control for children using park

**Bridge Street 5-Way**  
Very confusing intersection for pedestrians

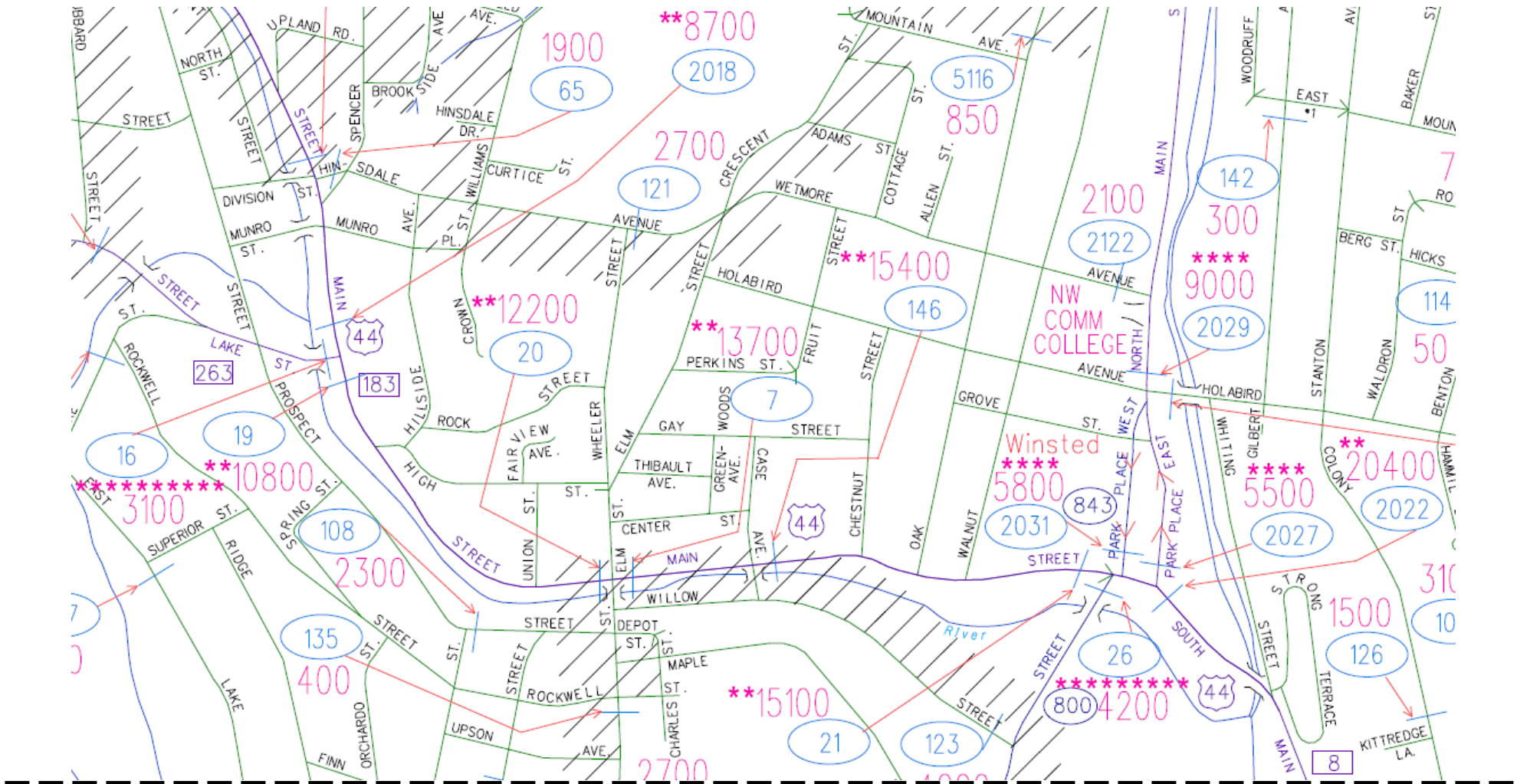
**YMCA**  
Very popular destination - no traffic control



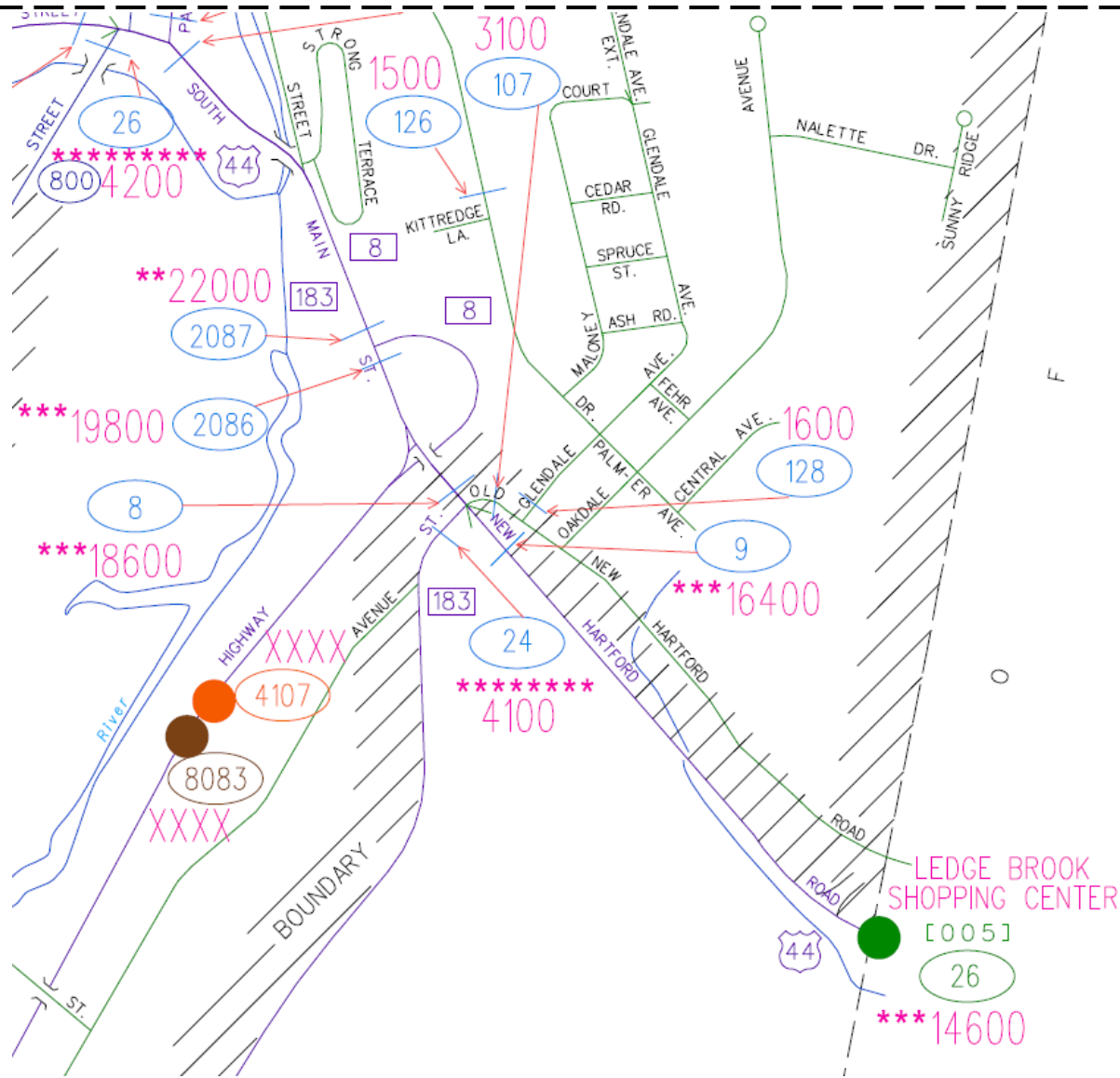
Map by Steven Sadlowski, AICP 2/12/16  
Director of Planning and Community Development  
From available sources - not a source document



# Average Daily Traffic (ADT)



# Average Daily Traffic (ADT)



# 2015 Crashes

## UCONN Connecticut Crash Data Repository

**Search Criteria:**

**Dataset:** mmucc  
**Towns:** Winchester  
**Crash Severity:** Injury of any type (Serious, Minor, Possible), Fatal (Kill), Property Damage Only  
**Case Status:** Complete

**Legend:**

- Injury of any type (Serious, Minor, Possible)
- Fatal (Kill)
- Property Damage Only

[Select All](#) [Deselect All](#)

This web site is exempt from discovery or admission under 23 U.S.C. 409.  
Connecticut Crash Data Repository - [User Guide](#) [Contact Us](#)

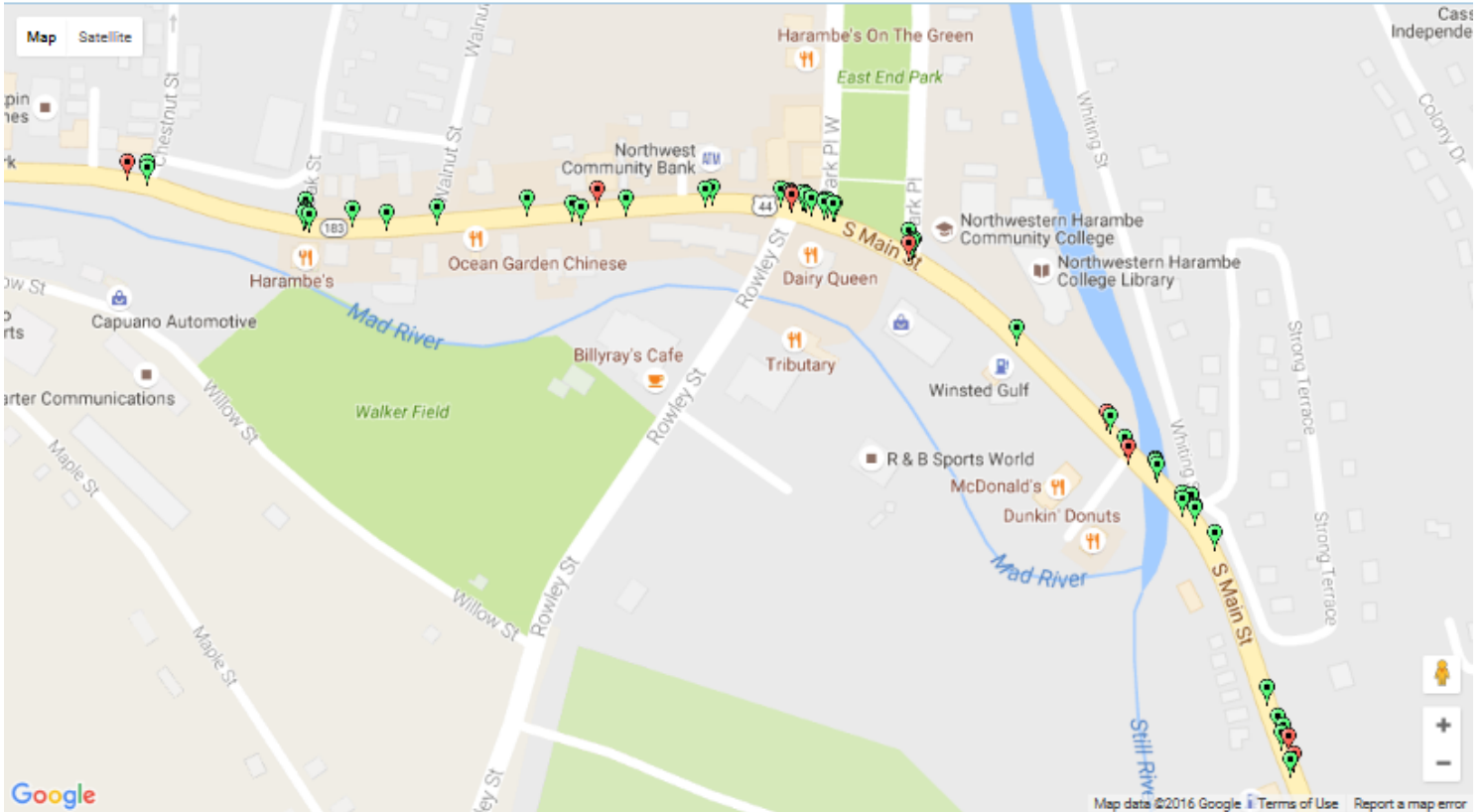
# 2015 Crashes

**UConn**

## Connecticut Crash Data Repository

**Search Criteria:**

**Dataset:** mmucc  
**Towns:** Winchester  
**Crash Severity:** Injury of any type (Serious, Minor, Possible), Fatal (Kill), Property Damage Only  
**Case Status:** Complete



[Markers](#) [Heatmap](#) [Select & Query](#) [Query Selection](#)

Injury of any type (Serious, Minor, Possible)  Fatal (Kill)  
 Property Damage Only

[Select All](#) [Deselect All](#)

This web site is exempt from discovery or admission under 23 U.S.C. 409.

Connecticut Crash Data Repository - [User Guide](#) [Contact Us](#)



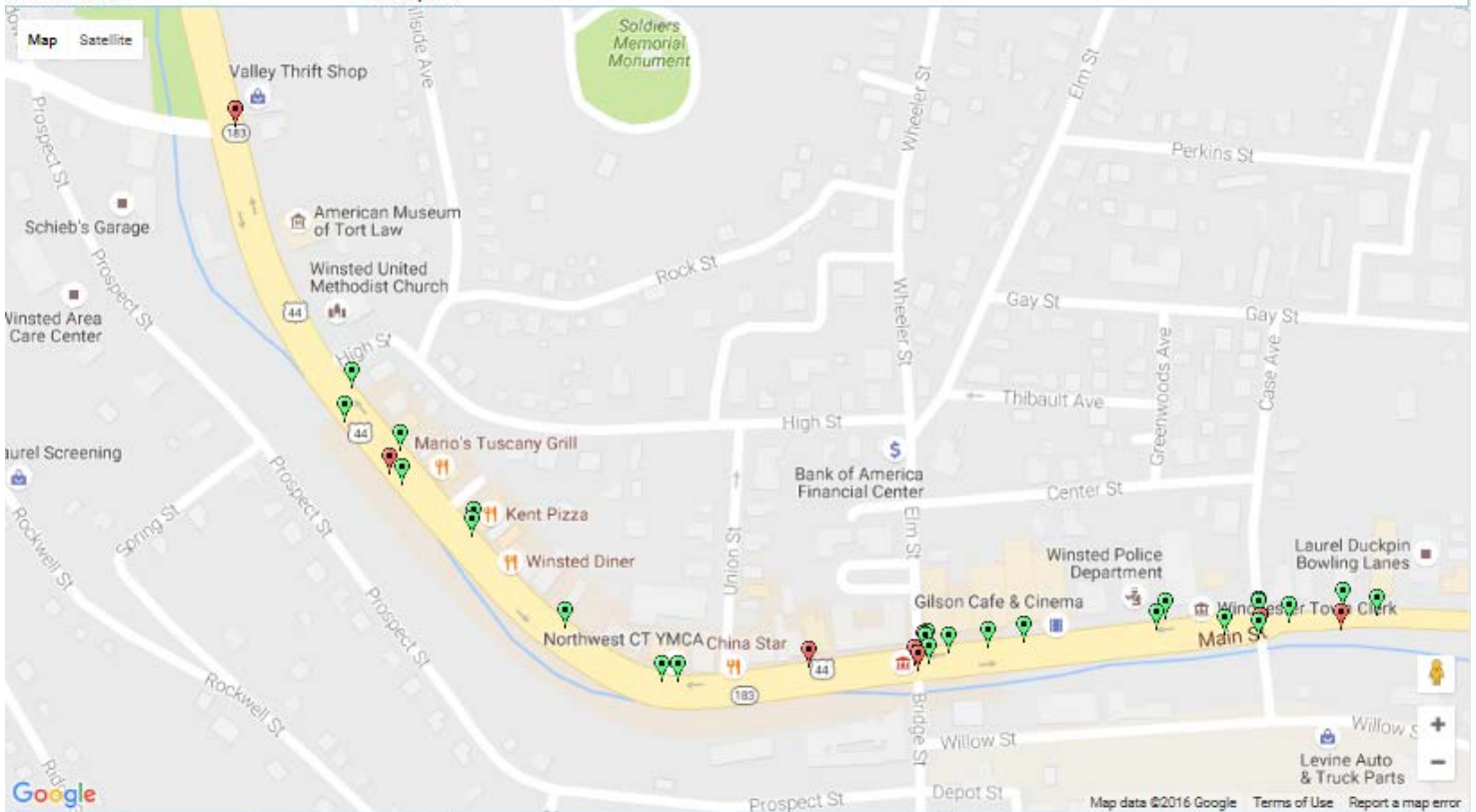
# 2015 Crashes

# UCONN

## Connecticut Crash Data Repository

### Search Criteria:

**Dataset:** mmucc  
**Towns:** Winchester  
**Crash Severity:** Injury of any type (Serious, Minor, Possible), Fatal (Kill), Property Damage Only  
**Case Status:** Complete



Markers Heatmap Select & Query Query Selection

Injury of any type (Serious, Minor, Possible) Fatal (Kill)  
 Property Damage Only

Select All Deselect All

This web site is exempt from discovery or admission under 23 U.S.C. 409.

Connecticut Crash Data Repository [User Guide](#) [Contact Us](#)



## Road Safety Audit – Winchester

### Crash Summary

Data: 3 years (2012-2014)

4 crashes involved bicyclists. 1 resulted in an injury and 3 resulted in property damage only.

2 crashes involved pedestrians both resulting in an injury.

Severity Type	Number of Crashes	
Property Damage Only	268	86%
Injury (No fatality)	42	14%
Fatality	0	0%
<b>Total</b>	<b>310</b>	

Manner of Crash / Collision Impact	Number of Crashes	
Unknown	4	1%
Sideswipe-Same Direction	57	18%
Rear-end	107	35%
Turning-Intersecting Paths	34	11%
Turning-Opposite Direction	22	7%
Fixed Object	25	8%
Backing	9	3%
Angle	6	2%
Turning-Same Direction	14	5%
Moving Object	2	1%
Parking	20	6%
Pedestrian	2	1%
Overturn	2	1%
Head-on	3	1%
Sideswipe-Opposite Direction	3	1%
Miscellaneous- Non Collision	0	0%
<b>Total</b>	<b>310</b>	



Weather Condition	Number of Crashes	
Snow	20	6%
Rain	28	9%
No Adverse Condition	260	84%
Unknown	1	0%
Blowing Sand, Soil, Dirt or Snow	0	0%
Other	0	0%
Severe Crosswinds	0	0%
Sleet, Hail	1	0%
<b>Total</b>	<b>310</b>	

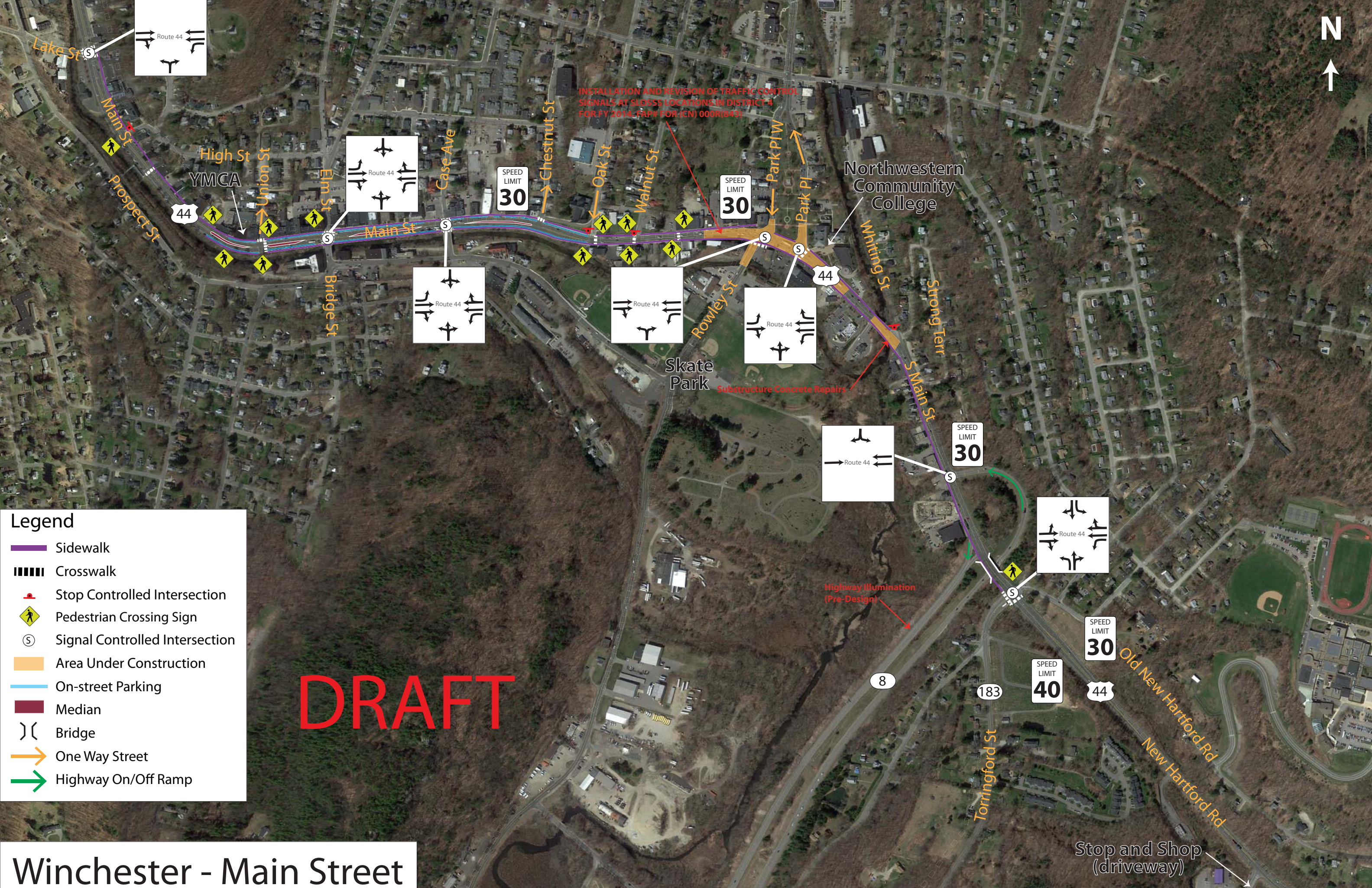
Light Condition	Number of Crashes	
Dark-Not Lighted	5	2%
Dark-Lighted	40	13%
Daylight	258	83%
Dusk	5	2%
Unknown	0	0%
Dawn	2	1%
<b>Total</b>	<b>310</b>	

Road Surface Condition	Number of Crashes	
Snow/Slush	18	6%
Wet	41	13%
Dry	247	80%
Unknown	1	0%
Ice	1	0%
Other	2	6%
<b>Total</b>	<b>310</b>	



Time		Number of Crashes	
0:00	0:59	2	1%
1:00	1:59	2	1%
2:00	2:59	0	0%
3:00	3:59	1	0%
4:00	4:59	3	1%
5:00	5:59	0	0%
6:00	6:59	8	3%
7:00	7:59	8	3%
8:00	8:59	11	4%
9:00	9:59	18	6%
10:00	10:59	19	6%
11:00	11:59	26	8%
12:00	12:59	28	9%
13:00	13:59	28	9%
14:00	14:59	19	6%
15:00	15:59	30	10%
16:00	16:59	26	8%
17:00	17:59	35	11%
18:00	18:59	14	5%
19:00	19:59	12	4%
20:00	20:59	10	3%
21:00	21:59	8	3%
22:00	22:59	1	0%
23:00	23:59	1	0%
<b>Total</b>		310	





INSTALLATION AND REVISION OF TRAFFIC CONTROL SIGNALS AT SLOSS LOCATIONS IN DISTRICT 4 FOR FY 2014. FAP# FOR (CN) 000R(843)

Substructure Concrete Repairs

Highway Illumination (Pre-Design)

- Legend**
- Sidewalk
  - Crosswalk
  - Stop Controlled Intersection
  - Pedestrian Crossing Sign
  - Signal Controlled Intersection
  - Area Under Construction
  - On-street Parking
  - Median
  - Bridge
  - One Way Street
  - Highway On/Off Ramp

**DRAFT**

# Winchester - Main Street

Stop and Shop (driveway)



# Route 44, WINCHESTER

ROAD SAFETY ASSESSMENT PROGRAM. ONGOING WORK BY THE DIVISION OF TRAFFIC ENGINEERING

**Legend**  
Feature 1

SIGNAL EQUIPMENTS WILL BE UPGRADED IN THE UPCOMING SIGNAL UPGRADE PROJECT. ALL AUDIBLE PEDESTRIAN BUTTONS TO BE REPLACED WITH ACCESSIBLE PEDESTRIAN SIGNALS. CONSTRUCTION IS EXPECTED TO BE IN 2020

162-222

162-203

162-204

162-213

LTA REQUESTED TO EVALUATE CROSSWALK NEEDS AROUND THE WEST END PARK. REVIEW IS ONGOING.

SIGNAL EQUIPMENTS RECENTLY UPGRADED UNDER PROJECT NO. 174-360

162-208

MEDICAL BUILDING EXPANSION ENCHROACHMENT PERMIT APPLICATION. SIGNAL TO BE REVISED TO HAVE A FULL ACCESS SIGNALIZED DRIVE ON WEST LEG AND AN UN-SIGNALIZED DRIVE NORTH OF THE INTERSECTION. REVIEW IS ONGOING





NTOR	PRE-EMPTION 2		PRE-EMPTION 1		MOVEMENT DIAGRAM		PRE-EMPTION 1		PHASE 1		PHASE 2		PHASE 3		PHASE 4		PHASE 5		PHASE 6		PHASE 7		PHASE 8	
	FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL
1	Y	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
2	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
4	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
5	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
6	Y	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
7	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
8	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
9	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
10	Y	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
11	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
12	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
13	Y	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
14	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
P	OFF	DW																						

INTERVALS	DETECTORS		PROGRAM		COORDINATION TYPE - CLOSED LOOP		PERMIS PERIOD	SYSTEM LOC	TECHNICAL NOTES (CONTINUED ON PLAN SHEET)
	ID	SIZE (WXL)	FUNCTION	TIME	CYCLE	OFFSET			
WALK	D2, D2A, D2B, D2C	6' x 6'	PRESENCE	NONE	90"		5-202	STANDARD OVERLAP SKIP FEATURES APPLY	
VEH EXT	D2D, D2E	6' x 6'	PRESENCE	MAX 1 ALL OTHER TIMES				162-213 TO BE ← G IF PHASE 4 IS NEXT.	
MAX 1	D2F	6' x 6'	PRESENCE	MAX 2 0700-0900 M-F				PHASES 3 & 7 TO DRIVE FACES 3 & 7 ← Y AND ← ONLY.	
MAX 2	D2G	6' x 6'	PRESENCE	PATTERN 5 1500-1900 M-F				PHASES 4 & 8 TO DRIVE FACES 3 & 7 R, Y & G.	
YELLOW	D3	6' x 6'	PRESENCE	PATTERN 2 0800-1900 SAT				PHASES 4 & 8 TO BE PROGRAMMED FOR DUAL ENTRY.	
RED	D3A	6' x 6'	PRESENCE	PATTERN 3 1000-1800 SUN				PHASE 5 TO ALWAYS FOLLOW PHASE 2.	
ADD INIT	D3B	6' x 6'	6" DELAY	FREE ALL OTHER TIMES DAILY				TIMINGS SHOWN INDICATE FREE OPERATION, ACTUAL PHASE SPLITS TO BE DETERMINED BY COORDINATION PROGRAM.	
MAX INIT	D4R	6' x 6'	3					PHASE SPLITS SHOWN REFLECT PRELIMINARY COORDINATION DATA.	
TBR	D7R	6' x 6'	3					PRE-EMPTION TO BE INOPERATIVE DURING FLASHING OPERATION.	
TTR	D8	6' x 6'	3					FLASHING ONLY DURING FLASHING CHANGE INTERVAL.	
MIN GAP	D4	6' x 6'	2						
MODE	D7	6' x 6'	2						
INT START									

ENERGY BY STATE MAINT LEVEL 5 ADDRESS # SERVICE POLE CL&P 6564 INTERSECTION # 162-213

UNMETERED SERVICE OFFICE RECORD

SIGNAL FACES

ALL LENSES TO BE LED. ALL VEHICULAR SIGNAL FACES TO HAVE BACKPLATES WITH YELLOW RETROREFLECTIVE BORDERS. PEDESTAL MOUNTED FACE 7 TO HAVE TUNNEL VISORS.

PRE-EMPTION SETTINGS

	PRE-EMPT 1	PRE-EMPT 2
PRIORITY	NO	NO
DET. LOCK	YES	YES
DELAY	0	0
ALT. MIN. GRN	5	5
ALT. YELLOW	3	PARENT
ALT. RED	PARENT	PARENT
ALT. PED. CLR.	20	20
HOLD GREEN	15	15
HOLD YELLOW	3	3,7
HOLD RED	2.0	2.0
HOLD PHASE	487	1
EXIT PHASE	488	2
EXIT CALL	NONE	NONE

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION DIVISION OF TRAFFIC ENGINEERING

TRAFFIC CONTROL SIGNAL

TOWN OF WINCHESTER  
RTES. 44 & 183 (MAIN ST.) & RTES. 44, 8 & 183 (S. MAIN ST.)  
AT S.R.800 (ROWLEY STREET) & S.R.843 (PARK PL. W.) & RTE 8 (PARK PL. E.)

REV #	ENGINEER	DATE	TRAFFIC	ELECTRICAL	DATE
1	GMG	8/13	ABB		10/13
2	JMF	8/13	MJC		10/13
3	DJW	12/14	PSF		10/13
4	EBL	12/14	LNC		11/14
5	Barbara B. Ricozzi	12-17-14	Tracy L Fogarty		12-16-14

LEGEND: R RED, Y YELLOW, G GREEN, FL FLASHING, ← RED ARROW, ← Y YELLOW ARROW, ← G GREEN ARROW, W WALK/ PED. CLR, D.W. DON'T WALK

### CONSTRUCTION NOTES :

ALL TRAFFIC EQUIPMENT IS NEW EXCEPT AS NOTED.

EXISTING 16/12 PAIR, FIG. 8 AND COMMUNICATION CABLE CLOSURE TO REMAIN.

REPLACE EXISTING 2-16/6 CABLE FROM COMMUNICATION CABLE CLOSURE ADJACENT TO CL&P 2309 TO CONTROLLER. STATE FORCES TO STAKE ALL R.O.W. PRIOR TO EXCAVATION.

INSTALL TYPE 4e SIDEWALK RAMP. INSTALL TYPE 4e SIDEWALK RAMP. INSTALL TYPE 4g SIDEWALK RAMP.

INSTALL NEW PEDESTAL ADJACENT TO EXISTING PEDESTAL AND AT EDGE OF CONCRETE WALK.

INSTALL SPAN POLE AT FRONT EDGE OF WALK.

INSTALL NEW PEDESTAL FOUNDATION IN LOCATION OF EXISTING FOUNDATION. INSTALL 12" ALUMINUM PEDESTAL ON NEW PEDESTAL FOUNDATION.

REPLACE EXISTING HANDHOLE.

INSTALL STEEL HANDHOLE COVER, ALL OTHERS ARE CAST IRON COVERS.

ANY PROPOSED REVISIONS TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING PRIOR TO INSTALLATION.

THE LOCATION OF TRAFFIC SIGNAL EQUIPMENT WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A FREE PATH OF NOT LESS THAN 4 FEET. IF A MINIMUM 4' FOOT FREE PATH IS UNAVAILABLE NOTIFY THE ENGINEER AND CONTACT THE DIVISION OF TRAFFIC ENGINEERING.

INSTALL CONTROLLER FOUNDATION WITH CONCRETE PAD ADJACENT TO AND WITHIN R.O.W.

INSTALL STATE FURNISHED CONTROLLER ON TYPE IV FOUNDATION.

INSTALL LOOP DETECTORS CENTERED IN LANE AND 8' APART UNLESS OTHERWISE NOTED. SERIES SPLICE SEGMENTED LOOPS PER LANE.

INSTALL AUXILIARY TERMINATION CABINET ON RIGHT SIDE OF CONTROLLER CABINET.

EXTEND CONCRETE SIDEWALK TO PROVIDE 4 FOOT TRAVEL PATH IN FRONT OF SPAN POLE. (APPROXIMATELY 30' X 4')

INSTALL 30' X 30' HANDHOLE, ALL OTHERS TYPE II.

COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISION, 1.07 - LEGAL RELATIONS AND RESPONSIBILITIES.

REFER TO SPECIAL PROVISION SECTION 1.07 - LEGAL RELATIONS AND RESPONSIBILITIES FOR THE LIST OF UTILITY COMPANIES AND REPRESENTATIVES THE CONTRACTOR SHALL USE.

CL&P TO REPLACE CL&P NO. 21 WITH A 45' CLASS 2 POLE, ANCHOR AND GUY WITHIN STATE R.O.W., AND CHANGE VERTICAL PRIORITIES TO CROSS ARM.

SPAN ATTACHMENT ON CL&P NO. 21 TO HAVE A MINIMUM CLEARANCE OF 12' BELOW SECONDARY & 40' ABOVE HIGHEST COMMUNICATIONS. REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.

COORDINATE THIS REVISION WITH CONNECTICUT D.O.T. SIGNAL LAB. CONTACT MR. DONALD ASSARD (860) 258-0346 OR MR. MARK ZAMPINI (860) 258-0349 AT LEAST 45 DAYS PRIOR TO REVISION.

ENSURE SUFFICIENT LOOP CABLE TO SPLICE D2A TO D2, D2C TO D2B, AND D2E TO D2D IN HANDHOLE (Q) AND D2F TO D2G IN HANDHOLE (P) CABLE BETWEEN (Q) AND (V) AND BETWEEN (P) AND (Z) TO BE PAID FOR UNDER ITEM #113050.

PERFORM TEST PITS IN THE VICINITY OF 162-213-A AND 162-213-D TO DETERMINE ANY ABANDONED SUBSURFACE FOUNDATIONS.

EMERGENCY PRE-EMPTION NOTES

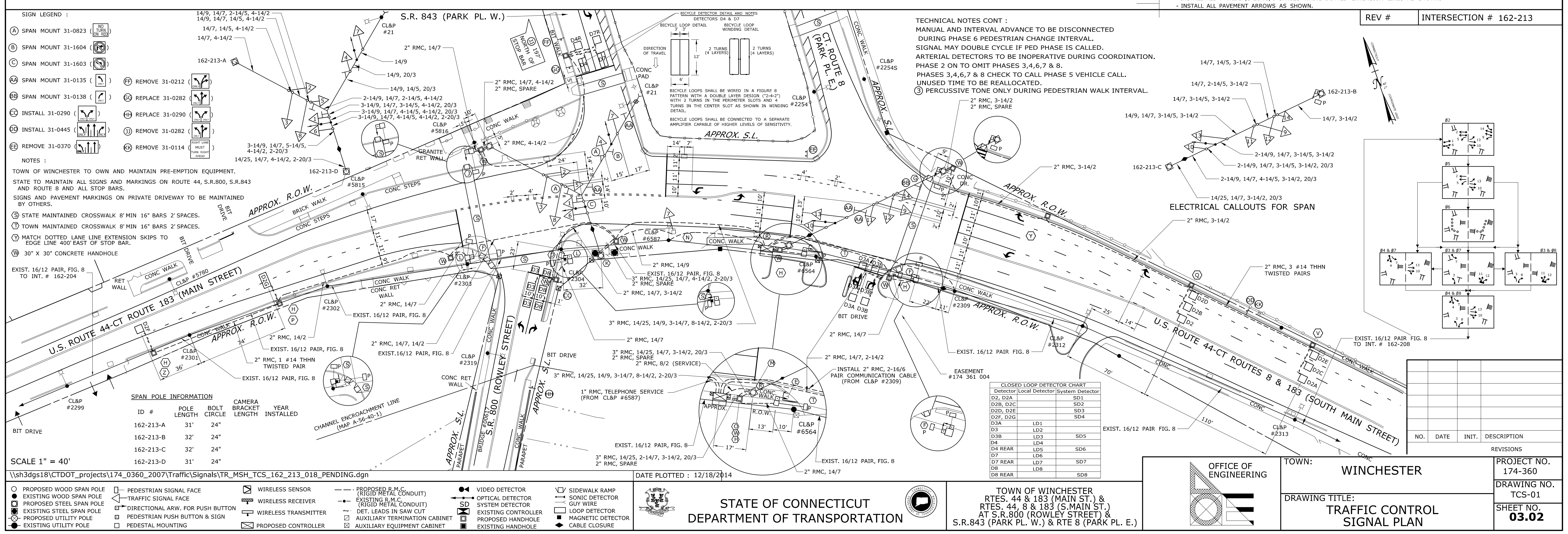
RELOCATE AUXILIARY EQUIPMENT CABINET FROM EXISTING CONTROLLER CABINET TO LEFT SIDE OF NEW CONTROLLER CABINET. RELOCATE EXISTING EMERGENCY PRE-EMPTION DETECTORS TO NEW SPAN. TEST PRE-EMPTION SYSTEM PRIOR TO AND AFTER RELOCATION IN ACCORDANCE WITH SPECIFICATIONS.

STATE FORCES TO INSTALL A SWITCH IN THE SIGNAL CABINET TO EFFECTIVELY DISCONNECT THE PRE-EMPTION EQUIPMENT FROM THE TRAFFIC SIGNAL CONTROLLER.

PRE-EMPTION DETECTOR LOCATIONS ARE FOR ILLUSTRATION ONLY. EXACT LOCATIONS SHALL BE DETERMINED BY THE MANUFACTURER OR HIS DESIGNATED REPRESENTATIVE. DETECTOR CABLES ARE TO BE INSTALLED CONTINUOUS BETWEEN EACH DETECTOR AND THE AUXILIARY EQUIPMENT CABINET.

CONTRACTOR TO :

- INSTALL ALL STOP BARS AS SHOWN.
- REMOVE STOP BAR ON ROUTE 44 AT PARK PLACE EAST.
- REMOVE CROSSWALK ON S.R.800.
- REMOVE CROSSWALK ON ROUTE 44 WEST OF PARK PLACE WEST.
- INSTALL ALL CROSSWALKS AS SHOWN ON THE PLAN, 8' WIDE 16" BARS AND 24" SPACES.
- INSTALL 2" SKIP 4" SPACE WHITE LANE LINE SKIPS THROUGH THE PARK PLACE EAST INTERSECTION AS SHOWN.
- INSTALL ALL 4" WIDE 3" LONG, 9" SPACES WHITE DOTTED EXTENSION LINES AS SHOWN.
- INSTALL ALL PAVEMENT ARROWS AS SHOWN.



MOVEMENT DIAGRAM																			
NTOR	PHASE 1	PHASE 2 PRE-EMPT 1			PHASE 3	PHASE 4			PHASE 5	PHASE 6			PHASE 7	PHASE 8					
NONE																			
	FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
F A C E #	1	Y			G	Y	R				R	R	R						
	2	Y			G	Y	R				R	R	R						
	3	R			R	R	R				G	Y	R						
	4	R			R	R	R				G	Y	R						
	5	R			R	R	R				G	Y	R						
	6	R			R	R	R				G	Y	R						
					← YIELD PT														
I N T E R V A L S	MIN GRN				15						9								
	WALK										13								
	PED CLR										1								
	VEH EXT				5						2								
	MAX 1				60						35								
	MAX 2				30						25								
	YELLOW																		
	RED																		
	ADD INIT																		
	MAX INIT																		
TBR																			
TTR																			
MIN GAP																			
MODE	OFF				MIN RECALL						NON-LOCK								
INT START					THIS PHASE														

TECHNICAL NOTES	
STANDARD OVERLAP SKIP FEATURES APPLY	OFFICE RECORD
TIMINGS SHOWN REFLECT FREE OPERATION. ACTUAL TIMINGS TO BE DETERMINED BY CLC SYSTEM.	TIR # N/A
PRE-EMPTION TO BE INOPERATIVE DURING FLASHING OPERATION.	SM # N/A
	SIGNAL REVISED:
	ADDED NEW DRIVEWAY ACROSS FROM ROUTE 8 AND SIGNALIZED AS PART OF PHASE 4, INSTALLED LOOP DETECTORS FOR DRIVEWAY AND REPLACED ARTERY DETECTION. REVISED TIMINGS.

CONSTRUCTION NOTES:	
ALL MATERIAL AND CONSTRUCTION METHODS SHALL CONFORM TO THE FOLLOWING CURRENT CTDOT DOCUMENTS WHICH CAN BE ACCESSED ON THE CTDOT WEBSITE:	
* STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION (FORM 816)	
* SUPPLEMENTAL SPECIFICATIONS TO FORM 816.	
* SPECIAL PROVISIONS TO FORM 816.	
* STANDARD INSTALLATION AND GUIDE DETAIL SHEETS.	
COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISION, 1.07 - LEGAL RELATIONS AND RESPONSIBILITIES.	
ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.	
STAKE ALL R.O.W. PRIOR TO EXCAVATION.	
THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A FREE PATH OF NOT LESS THAN 4 FEET. IF A MINIMUM 4 FOOT FREE PATH IS UNAVAILABLE, NOTIFY THE ENGINEER AND CONTACT THE DIVISION OF TRAFFIC ENGINEERING.	
ANY PROPOSED REVISIONS TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING PRIOR TO INSTALLATION.	
PROVIDE NEW WIRE BACK TO CABLE CLOSURE FOR THE NEW SIGNAL HEADS.	
REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISION.	
ALL TRAFFIC SIGNAL LOOPS ARE EXISTING UNLESS OTHERWISE NOTED; CONTRACTOR TO VERIFY LOOPS ARE IN GOOD WORKING ORDER, IF NOT THEY SHALL BE REPLACED. D2, D2A, D2B AND D4B ARE NEW TRAFFIC SIGNAL LOOPS.	
PROVIDE 11 NEW AMPLIFIERS.	
ABANDON EXISTING TRAFFIC SIGNAL LOOP D2 LOCATED 240 FEET FROM STOP BAR AND INSTALL NEW TRAFFIC SIGNAL LOOPS D2 AND D2A AS SHOWN.	
COORDINATE THIS REVISION WITH CONNECTICUT D.O.T. SIGNAL LAB. CONTACT MR. DON ASSARD AT (860) 258-0346 OR MR. MARK ZAMPINI AT (860) 258-0349 AT LEAST 48 HRS. PRIOR TO REVISION.	
MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES SHOWN ON THE PLANS. PROVIDE 4 COPIES OF THE REVISED WIRING DIAGRAMS.	
EMERGENCY PRE-EMPTION EQUIPMENT IS EXISTING AND SHALL REMAIN AS SHOWN ON THE PLANS.	
N INSTALL CAST IRON HANDHOLE COVER.	
R INSTALL NEW SIGNAL HEAD 5 ON SPAN WIRE.	
U REMOVE EXISTING 8 INCH SIGNAL HEAD FROM 3 WAY SIGNAL HEADS 1&4 CLUSTER	
V LOCATE EXISTING RIGID METAL CONDUIT. EXTEND INTO NEW HANDHOLE.	
W 30" X 30" HANDHOLE. ALL OTHERS TYPE II.	
X INSTALL HEAD 5 ON SPAN POLE AT MOUNTING HEIGHT OF 10 FEET.	
Y UTILIZE EXISTING SWEEP IN SPAN POLE FOUNDATION AND PROVIDE NEW 2" RMC AS SHOWN.	
Z UTILIZE SPARE CONDUIT IN EXISTING CONTROLLER FOUNDATION.	
CENTER LOOP DETECTORS IN LANE.	
SERIES SPLICE SEGMENTED LOOPS PER LANE.	
CLEAN EXISTING CONDUIT BETWEEN D2 & D2A LOOPS AND CONTROLLER. REFER TO SPECIAL PROVISION FOR ITEM # 1008908A-CLEAN EXISTING CONDUIT.	

DETECTORS		SYSTEM LOC		COORDINATION TYPE - CLOSED LOOP	
IDENT	SIZE	FUNCTION	PROGRAM	TIME	DAYS
D2	6' x 6'	3 PRESENCE	162-202	FLASH	NONE
D2A	6' x 6'	3 PRESENCE	162-204	MAX 1	ALL OTHER TIMES
D2B	6' x 6'	3 PRESENCE	162-203	MAX 2	2200-0500 DAILY
D4	6' x 6'	3 PRESENCE	162-208	CYCLE 1	ALL OTHER TIMES
D4A	6' x 6'	3 5" DELAY	162-211	CYCLE 2	FUTURE
D4B	6' x 6'	3 PRESENCE	162-212	CYCLE 3	FUTURE
SD1	6' x 6'	3 PRESENCE	162-220	FREE	2200-0500 DAILY
SD2	6' x 6'	3 PRESENCE	005-202		

**SIGN LEGEND**

(A) INSTALL 31-0283		(H) EXISTING 31-1617	
(B) EXISTING 31-1119		(J) EXISTING 31-1618	
(C) INSTALL 31-1122		(K) EXISTING 31-5505	
(D) EXISTING 31-1177		(L) INSTALL 31-0552	
(E) EXISTING 31-1188		(M) INSTALL 31-0138	
(F) SPAN MTD. 31-1603		(N) INSTALL 31-1619	
(G) SPAN MTD. 31-1604			

**NOTES:**  
STATE TO MAINTAIN ALL SIGNS AND PAVEMENT MARKINGS AND ALL STOP BARS ON U.S. ROUTE 44, ROUTE 183, AND ROUTE 8. THE STOP BAR FOR THE ROUTE 8 OFF RAMP SHALL BE 24". ALL OTHERS SHALL BE 12".

SIGNS AND PAVEMENT MARKINGS ON PRIVATE DRIVEWAY SHALL BE MAINTAINED BY OTHERS.

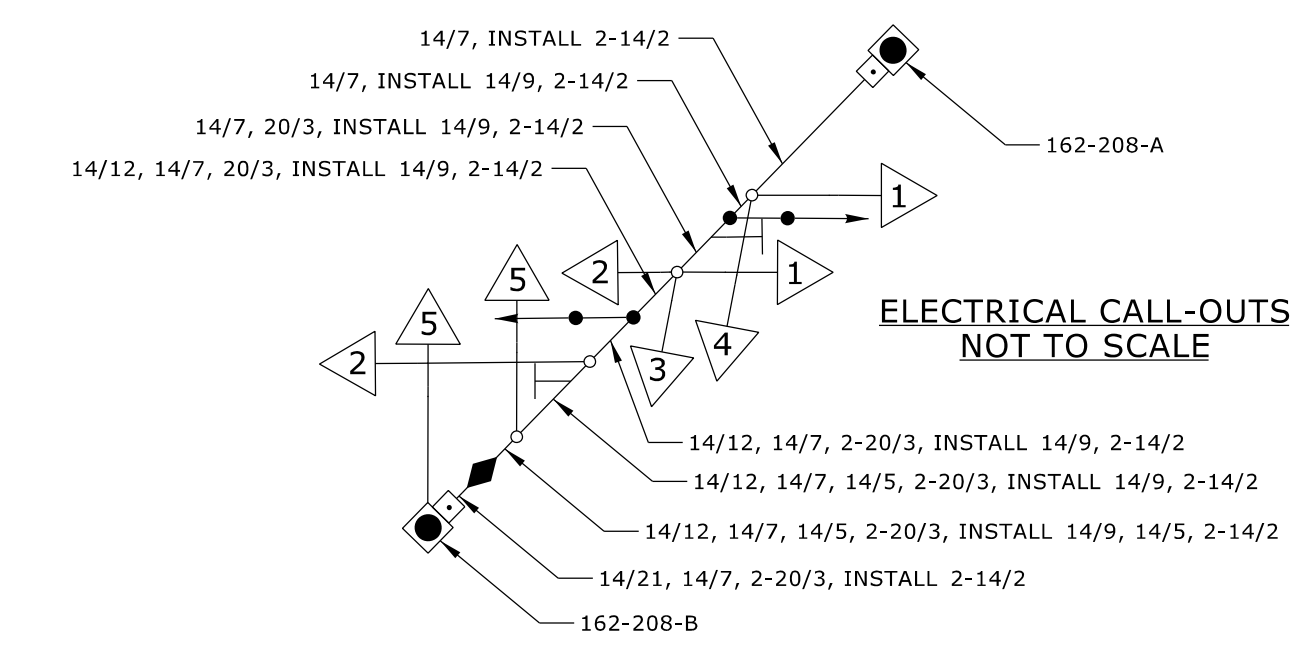
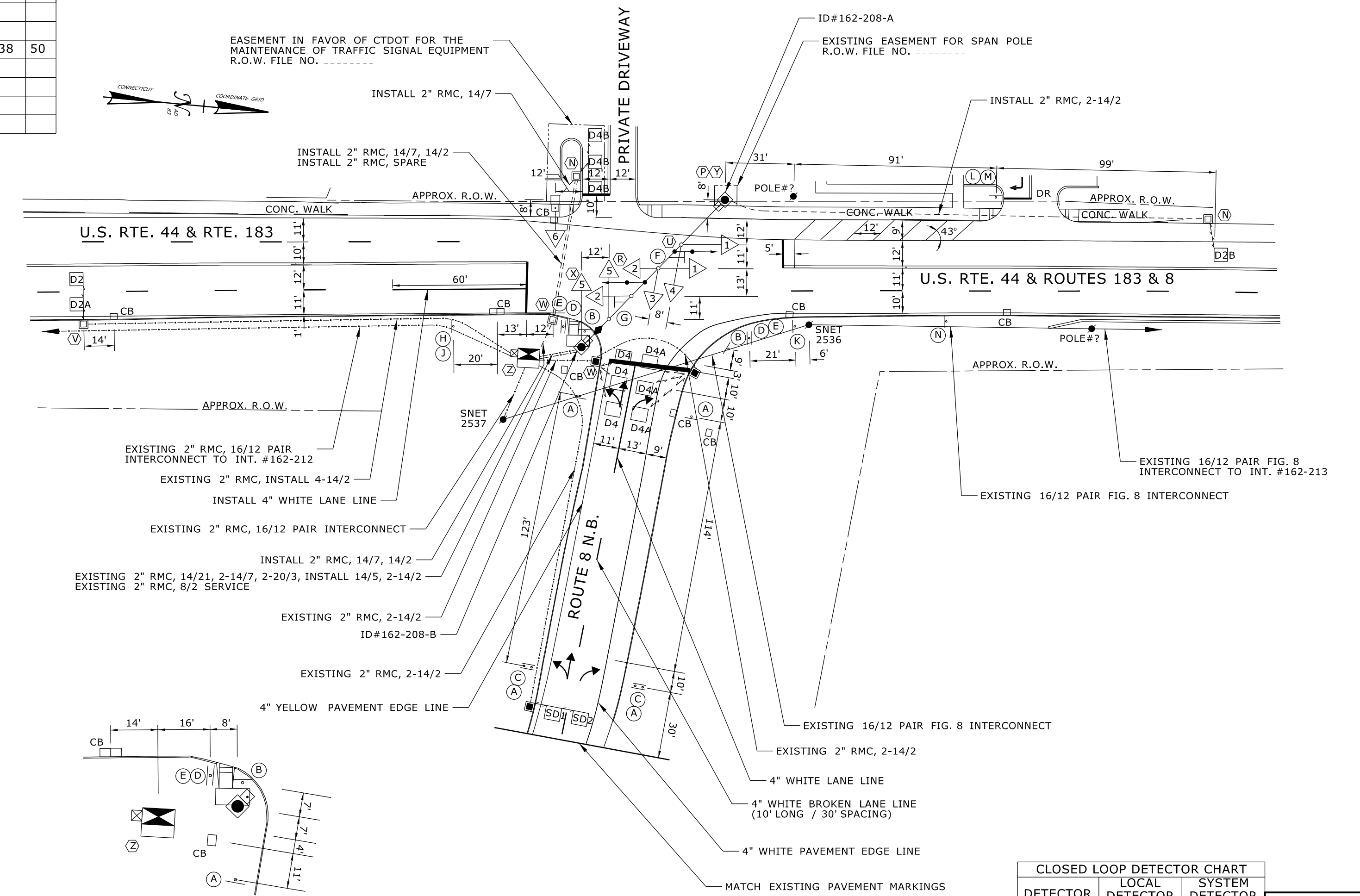
PRE-EMPTION EQUIPMENT TO BE MAINTAINED BY THE TOWN OF WINSTED.

CONTRACTOR TO INSTALL NEW PAVEMENT MARKINGS AS SHOWN AND DIMENSION FOR THE ROUTE 8 OFF RAMP, NEW DRIVEWAY AND SINGLE WHITE LANE LINE ON NORTHBOUND APPROACH. ALL OTHER PAVEMENT MARKINGS ARE EXISTING AND DIMENSIONED FOR MAINTENANCE PURPOSES.

(P) EXISTING EASEMENT R.O.W. FILE NO. \_\_\_\_\_.

CONTRACTOR TO ERADICATE HATCH PAVEMENT MARKINGS IN FRONT OF PRIVATE RIGHT IN/RIGHT OUT DRIVEWAY.

**SPAN POLE INFORMATION:**  
162-208A: HEIGHT 30', B.C. 20", LOAD AT YIELD 7800 LBS., INSTALLED 1995.  
162-208B: HEIGHT 30', B.C. 20", LOAD AT YIELD 7800 LBS., INSTALLED 1995.



NO.	DATE	REVISION DESCRIPTION

LEGEND:	TRAFFIC SIGNAL FACE	PROPOSED CONTROLLER	SIDEWALK RAMP
R RED	PEDESTRIAN SIGNAL FACE	EXISTING CONTROLLER	CABLE CLOSURE
Y YELLOW	DET. LEADS IN SAW CUT	EXISTING CONTROLLER LOOP DETECTOR	WIRELESS SENSOR
G GREEN	PROPOSED RMC (RIGID METAL CONDUIT)	SD SYSTEM DETECTOR	WIRELESS RECEIVER
← RED ARROW	EXISTING RMC (RIGID METAL CONDUIT)	OPTICAL DETECTOR	WIRELESS TRANSMITTER
↔ YELLOW ARROW	AUXILIARY EQUIPMENT CABINET	VIDEO DETECTOR	CUY WIRE
↔ GREEN ARROW	VIDEO DETECTION ZONE	AUDIO DETECTOR	PROPOSED HANDHOLE
W/W WALK/ PED. CLR			EXISTING HANDHOLE
D.W. DON'T WALK			
FL. FLASHING			

**STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION**

DETECTOR	LOCAL DETECTOR	SYSTEM DETECTOR
SD1	--	SD1
SD2	--	SD2
D2	LD3	SD3
D2A	LD4	SD4
D2B	LD5	SD5
D4	LD6	--
D4A	LD7	--
D4B	LD8	--

ENGINEER	TRAFFIC	DATE	ELECTRICAL	DATE
MILONE & MACBROOM				7/8/2015

**TOWN OF WINCHESTER**

**TRAFFIC CONTROL SIGNAL PLAN**

PROJECT NO. XXXX-XXXX  
DRAWING NO. TCS-01  
SHEET NO. \_\_\_\_\_

SCALE 1" = 40'







# Road Safety Audit – Winchester

## Fact Sheet

### Functional Classification:

- Main Street is classified as a Principal Arterial (Other)
- South Main Street is classified as a Principal Arterial (Other)
- New Hartford Road is classified as a Principal Arterial (Other)

### ADT

- ADT on Main Street is 10,800 – 15,400
- ADT on South Main Street is 19,800 – 22,000
- ADT on New Hartford Road is 14,600 – 18,600

### Population and Employment Data (2014):

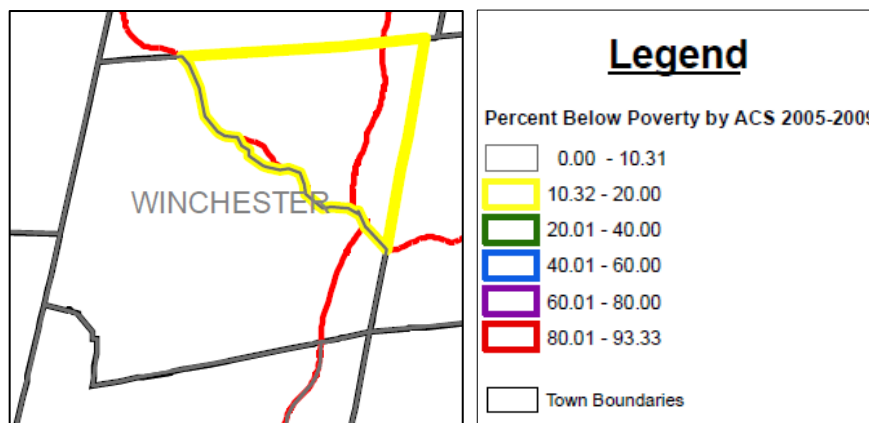
- Population: 11,189
- Employment: 3,380

### Urbanized Area

- The study area is located within the Torrington Urban Cluster

### Demographics

- The statewide average percentage below the poverty line is 10.31%. Within the vicinity of Main Street up to 20% of residents are below the poverty line



- The statewide average percentage minority population is 30.53%. There are no areas in Winchester that exceed the state's average.

## **Air Quality**

- Winchester's CIPP number 325
- Winchester is within the Greater CT Marginal Ozone Area
- Winchester is within a CO Attainment Area



**COMMUNITY**  
connectivity program

# Appendix D



**AECOM**  
Built to deliver a better world



**Jannat, Khadiza N.**

---

**From:** Lindeberg, Erika B.  
**Sent:** Wednesday, October 21, 2015 7:35 AM  
**To:** 'William T. Fitzgerald'  
**Subject:** RE: Crosswalks

Hello Chief Fitzgerald:

Our office will review your request for crosswalks at the locations noted below. We will contact you to discuss further as needed during our investigation.

Erika

**Erika B. Lindeberg, P.E.**  
Transportation Supervising Engineer  
Connecticut Department of Transportation  
Division of Traffic Engineering  
2800 Berlin Turnpike  
Newington, CT 06131-7546  
Tel: (860) 594-3486  
Fax: (860) 594-3376  
[Erika.Lindeberg@ct.gov](mailto:Erika.Lindeberg@ct.gov)

---

**From:** William T. Fitzgerald [<mailto:PoliceChief@townofwinchester.org>]  
**Sent:** Friday, October 16, 2015 8:44 AM  
**To:** Lindeberg, Erika B.  
**Cc:** Town Manager; DPW Director  
**Subject:** Crosswalks

Ms. Lindeberg;

I am requesting that the DOT evaluate the need to have crosswalks installed on Park Street RT 8 adjacent to a park and Northwest Community College. I have pasted comments from a resident with corresponding photos to illustrate the need for crosswalks as this road is heavily traveled by large vehicles and transports making pedestrians crossing the street highly dangerous and sometimes impossible. As the Winchester Police Chief and local traffic authority endorses the implementation of crosswalks.

“The need for crosswalks around the East End Park and you asked me to send you some direct information. This email and its attachment of photos are following that discussion. The issue of my concern is that walkways in the park that have handicapped access, do not lead to crosswalks at the East side of the park, the West side of the park, and at the north end of the park. Additionally, where these East and West side park entries are, there is nothing indicating no parking. You will see in the attached photos cars blocking some of these entries. At the North end there is no safe walkway either to the East side or the West side sidewalks. Safe access to and from the park is hampered by the lack of appropriate crosswalks. Since this is both a safety issue and a

handicapped access issue, I believe something needs to be done to address no parking at the accesses and securing the safe crosswalks accesses.

Jack Bourque  
78 Crown Street  
Winsted  
860-605-8638 mobile”

If you have any questions or concerns, please feel free to call me. Thank you for any assistance in this matter.

Respectfully Submitted,

**William T. Fitzgerald, Jr.**

*Chief of Police*

Winchester Police Department

Town of Winchester- City of Winsted

338 Main Street

Winsted, Connecticut 06098

Tel#:(860) 379-2721

Fax#: (860) 738-6957

Email: [policechief@townofwinchester.org](mailto:policechief@townofwinchester.org)



**COMMUNITY**  
connectivity program

# Appendix E



**AECOM**  
Built to deliver a better world











STOP



