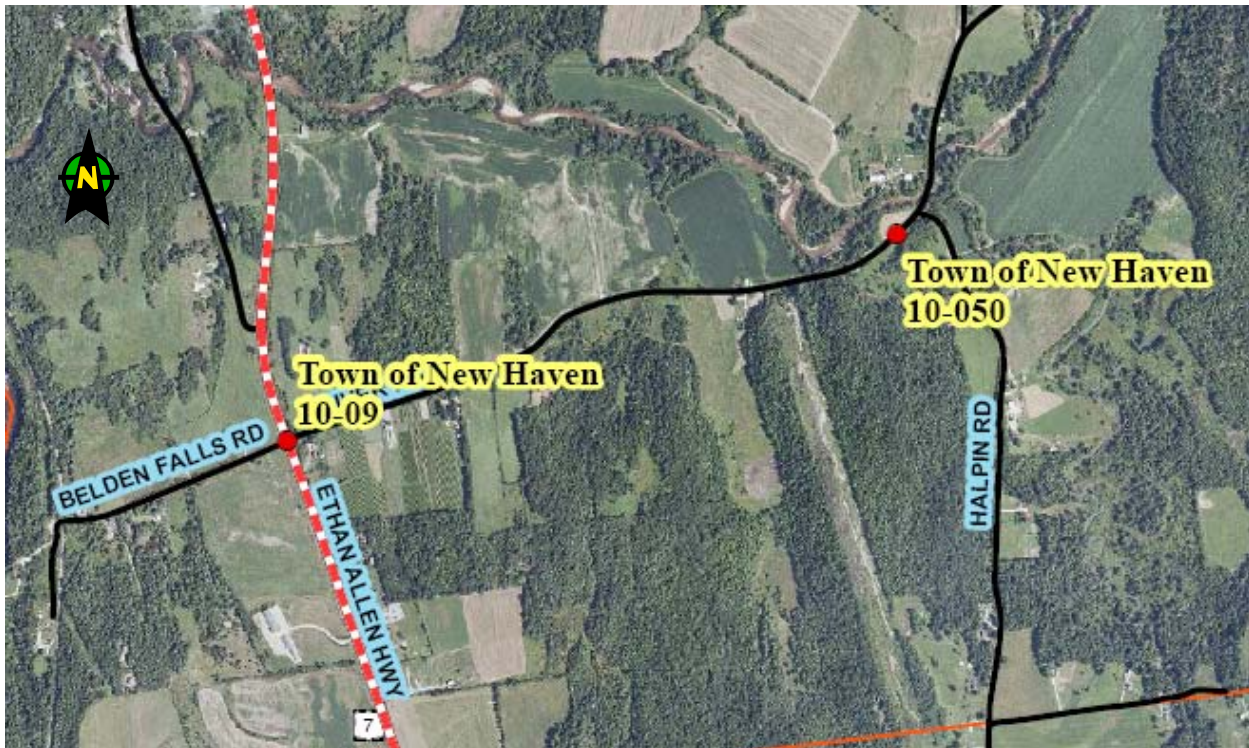


Traffic Safety Section
Highway Safety Improvement Program
Location Review

Town: New Haven HSIP No.: 10-009
Route: US 7 @ FAS 183, River Rd Mile point: 0.55 (US 7), 0 (FAS 183)
Reviewed By: Mario Dupigny –Giroux Date Reviewed: _____

Location Map:



Observations:

This is the intersection of US 7, River Road (FAS 183) and Belden Falls Road. US 7 runs north-south. At this location, US 7 is straight to the south, and out of a curve and at the top of a hill to the north. River Road, a paved road, intersects US 7 from the east while Belden Falls Road, a dirt covered road, intersects US 7 from the west. The southbound lane of US 7 is separated into two lanes with the left lane being a climbing

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lane. This climbing lane starts at about mile point 0.765. The lanes go back to one lane in each direction near mile point 0.71.

Approaching the intersection from the south, there is a wide shoulder (6+ feet). This shoulder is apparently used by motorists to make a right turn onto River Rd.

In the southbound direction, there is a 36" x 36" intersection sign with a road name plaque (W16-8ap) at mile point 0.64 – or 0.68 on visidata (475 ft prior to the intersection). In the northbound direction, there is a similar assembly at mile point 0.44 (580 ft before the intersection)

There were ten crashes at this intersection between 2007 and 2009. The main crash pattern at this intersection (5 crashes out of 10) is a vehicle waiting on River Rd to make a left turn onto US 7 and colliding with a northbound vehicle. In three of the five crashes, there were northbound vehicles turning right onto River Road and the operator on River Road said that he/she did not see any more cars behind the last turning vehicle.

This location was reviewed in 2004 under HSIP 04-011. For the crashes reviewed at that time, no crash pattern was identified. Nevertheless, it was recommended to the Town to install larger street name signs. The signs were provided through VTrans and were shipped in August 2005. In addition, it was suggested to test the new Type IV sheeting at this location and new type IV intersection warning signs with name plaques were installed (WO 05-071 completed on 4/18/05).

Past Projects:

There was a paving project, 97B166, NH9813(1)S, which was completed in 2006.

Past Work Orders:

Work order 05-071 was for the replacement of the warning signs with name plaques and the Type IV sheeting.

Installation of large (9-inch blade) street name signs by the Town at the intersection.

OBDS through work order 10-409.

Future Projects:

None (not aware of any).

Recommendations:

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Move the intersection signs 350 ft prior to the intersection as recommended by the MUTCD (250 ft + 100 ft for text legend smaller than 6 inches. Signs will be legible at these locations for the 180 ft distance required). For northbound, this would be at about mile point 0.506 (a possible location would be at the newspaper box after the drive). Alternatively, move the assembly to the location where the destination board is currently (0.48), and move the destination board to the newspaper box location. Southbound, move the sign to about 0.623 (visidata reference) or 0.574 (Signview reference).

Install stop bar (durable) on River Rd. Narrow down the approach??????

Check brush on either side of River Rd.

Pave a 30 – 50 ft apron on Belden Falls Rd to eliminate the sand\rocks on US 7.

When in the field, check the left corner sight distance on River Road. Check what you would see if there is a car making a right onto River Road.

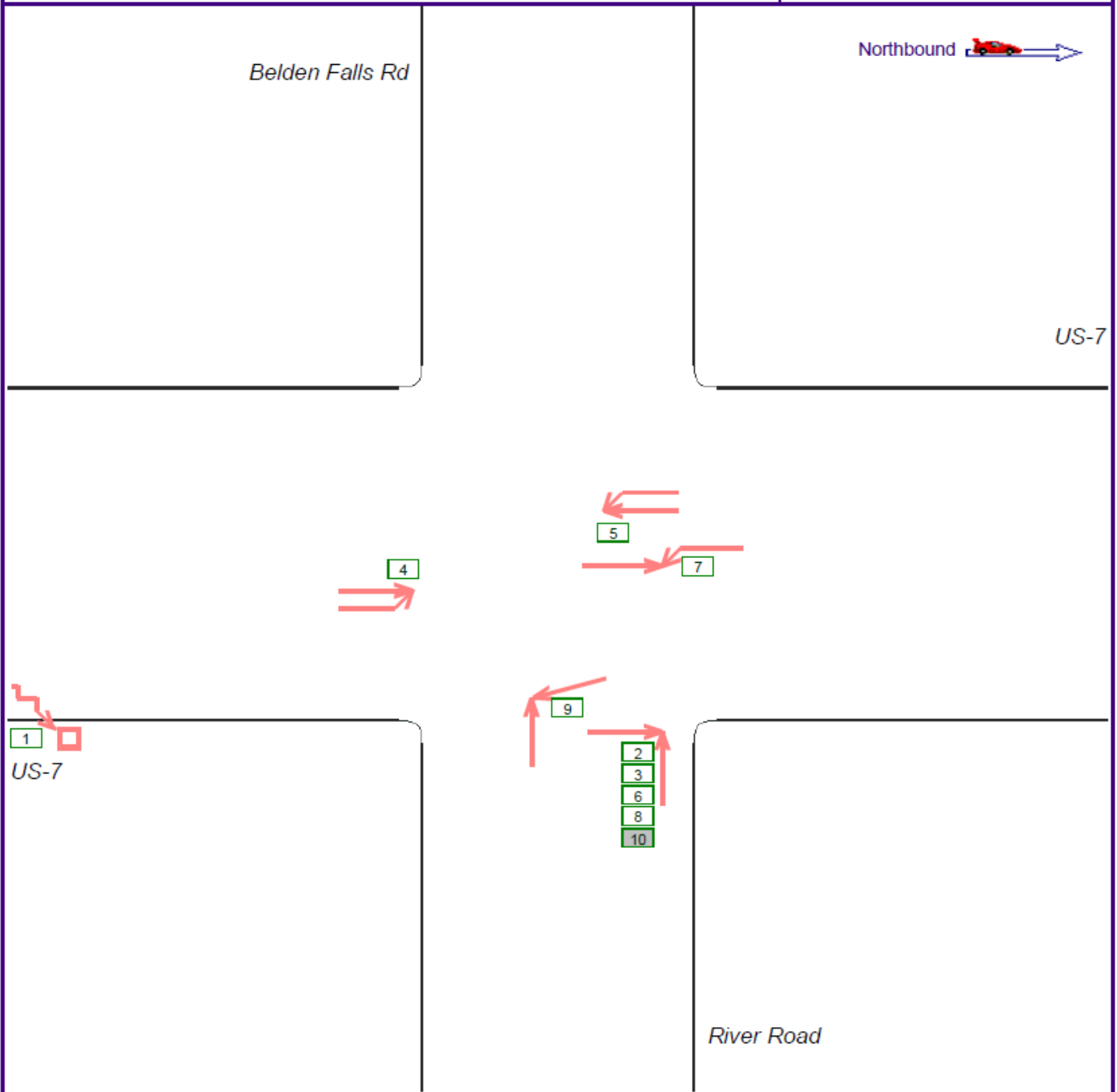
Possibility of making a real right turn lane or narrowing the shoulder????

COLLISION DIAGRAM

Key Number = _____

MUNICIPALITY: New Haven COUNTY: _____
 INTERSECTION: US-7
 PERIOD: 3 YEARS 0 MONTHS FROM 1/1/2007 TO 12/31/2009

FILE: 100090113
 CASE #: _____
 BY: _____ DATE: 2/1/2011



SYMBOLS		MANNER OF COLLISION	
	MOVING VEHICLE		REAR END
	TURNING VEHICLE		LEFT TURN
	BACKING VEHICLE		LEFT TURN
	PARKED VEHICLE		OVERTAKE
	RECORD NUMBER		OUT OF CONTROL
	PEDESTRIAN		HEAD ON
	BICYCLIST		RIGHT TURN
	ANIMAL		RIGHT TURN
	FIXED OBJECT		RIGHT ANGLE
	Fatal		SIDE SWIPE

Note: THIS DOCUMENT IS EXEMPT FROM DISCOVERY OR ADMISSION UNDER 23 U.S.C. 409

Crash Number	Road	Marker	Date	Time	Weather	Injuries	Fatalities	Type	Description
1	US-7	0.52	2/10/2009	14:48	Cloudy	0	0	Single Vehicle Crash	Cloudy. The paved surface of US 7 was clear and dry . Op #1 advised he was traveling NB on US 7 when he observed something run out in front of him . He stated he swerved to avoid the animal and went off the road . Witness #1 advised she was traveling behind the operator and observed nothing run out in front of him and it appeared he merely drifted off the road, as if he had fallen asleep or something. There were no skid or scuff marks in the roadway to cooperate Op#1's story and there were no animal tracks found in the snow on either side of the road to confirm the operators story. V 1, M 68. Inj 5.
2	US-7	0.55	8/7/2007	7:38	Clear	0	0	No Turns, Thru moves only, Broadside	Clear. Surface was dry . 1 had come to a stop, started to drive slowly to see if it was clear to pull onto US 7 . Said saw 2 from south coming to a stop. 2 was nb when he saw 1 starting to drive onto US 7, 2 slammed the breaks. V1 F 32 Inj 5, V2 M 50 Inj 5.
3	US-7	0.55	9/8/2007	13:45	Cloudy	0	0	Left Turn and Thru, Head On	1 was stopped on River Rd waiting to turn left onto US 7. A group of cars had slowed down and pulled to the right indicating that they were going to turn right onto River Rd. 1 said did not see any vehicles behind the group turning. 1 started to go and a nb vehicle appeared and she did not have enough time to stop. 2 said that was nb and that two or three vehicles were in front turning right. As he continued pass the vehicles, 1 pulled from River Rd. V1 F 31 Inj 5. V2 M 51 Inj 5. Cloudy and dry.
4	US-7	0.55	9/16/2007	15:55	Clear	3	0	Left Turn and Thru, Broadside	Dry and Clear. 1 was traveling north, had put on his left turn signal to turn left on Belden . Said that as he was turning, he was suddenly hit. 2 was nb following a vehicle that he thought was going to turn right onto River Rd. Said 1 pulled to the right and then turned to the left. V1 M 20 Inj 3, V2 M 37 Inj 5

5	US-7	0.55	8/8/2008	15:11	Rain	0	0	Same Direction Sideswipe	The road conditions on this day were dry. The weather was calm and partly cloudy . Veh 1 informed that he turned a left turn signal on and started to make a left turn onto River Road when he was struck by veh 2. V1 informed that V2 came around him on the driver's side and was, as he believes, attempting to overtake his vehicle. V2 was traveling southbound. Said was in the passing lane and was attempting to overtake V1, which was travel southbound in the travel lane. When V2 was almost beside V1, V1 turned right into his passenger side. V1, M 65. Inj 5. V2, M 46 Inj 5.
6	US-7	0.55	10/1/2008	7:45	Cloudy	2	0	No Turns, Thru moves only, Broadside	The weather was clear and the road dry . Operator #1 stated she was on River Road and came to a stop at the intersection with Route 7. She stated she saw a north bound vehicle turning onto River Road so she thought the way was clear . She did not see any other vehicles so she pulled out and hit the other vehicle. Operator #2 stated she was north bound when the other vehicle pulled right in front of her. Witness #2 stated he was northbound on Route 7 and was turning onto River Road. He stated that he went into the brake down lane to turn right when he saw a black vehicle coming off River Road onto Route 7. He stated that he knew there was another north bound vehicle behind his so hit his horn to try and warn the vehicle on River Road but the black vehicle pulled out and the cars hit. V1, F, 40, Inj 3. V2, F, 59, Inj 2.
7	US-7	0.55	11/24/2008	20:54	Cloudy	0	0	Left Turn and Thru, Angle Broadside	The weather was cloudy and cold and the road surface was clear and dry. V#1 was traveling south on US Route 7 when he signaled left and then slowed down to a stop to let NB traffic pass prior to turning. Op#1 then attempted to complete his left hand turn across US Route 7 onto River Road when he was struck by V#2. V#2 stated she was traveling north on US Route 7 at approximately 50 MPH. Op#2 advised out of nowhere V#1 pulled out in front of her, she attempted to swerve and avoid it, however still struck the rear bumper of V#1. V1 is male, 88, Injury 5. V2 is Female, 19, Injury 5.

8	US-7	0.56	9/7/2009	16:15	Clear	2	0	Left Turn and Thru, Broadside	Clear, road dry. Op #1 advised she was on River Rd. preparing to turn left. Op #1 advised she observed a van travelling north that had its turn signal on indicating it was going to be turning right on to River Rd. Op #1 advised she checked to the north and did not see any vehicles approaching and did not see any vehicles behind the van. Op #1 advised she pulled out onto Rte. 7 and a motorcycle suddenly appeared from behind the van. The back end of the motorcycle collided with her vehicle. Op#2 advised he was travelling north on US 7 following a van. He advised that the van had turned on its directional signal to make a right turn. Op #2 as the van turned right onto a side road he continued by when a vehicle suddenly pulled off a side road directly in front of him. Op #2 applied his brakes and attempted to stop. Witn #1 was in a van nb 7. Advised he was turning right onto River Rd. and a vehicle that had been waiting at the end River Rd. began to pull out onto US 7. Advised that a moto had been behind him and when Veh1 on River Rd. pulled out, it did so directly in front of the moto. V1 F 34, Inj 3. V2, M 47, Inj 3
9	US-7	0.56	11/23/2009	15:21	Cloudy	0	0	Right Turn and Thru, Head On	Weather was cloudy and the surface of the road was dry and had a light covering of rocks/sand on the pavement. Witn1 witnessed the crash from a position parked behind V#2. Advised that V#1 came around the corner from northbound and turning eastbound on River Rd and was going too fast. While making the turn the vehicle slid around the corner and struck V#2 which was stopped waiting to make a turn from River Road onto US 7. Op#2 was stopped at the stop bar on River Road waiting to make a turn when she saw V #1 hitting her as he turned the corner. Op#1 advised that he didn't realize the turn was coming up on him as fast as it did. In attempting to make the corner, he slid a small amount on the sand and gravel and struck Vehicle #2. While investigating the scene I observed skid marks in the sandy portion of the roadway. V1 M 36, Inj 5. V2 F 21, Inj 5.

10	US-7	0.56	12/2/2009	6:10	Cloudy	1	1	No Turns, Thru moves only, Broadside	It was dark, cold and cloudy and the road surface was clear and dry . Op#2 was traveling nb at 50mph. Saw Veh#1 stopped at the intersection of River Road. Saw Veh#1 pull out and start to turn left in front of him. Witn1 was traveling nb directly behind Veh#2. Advised that as they approached the intersection, Veh#1 just pulled out in front of Veh#2 and they collided in the intersection. Witn2 was traveling west on River Road directly behind Vehicle #1. He advised that as they approached the intersection, Veh#1 stopped briefly and then just pulled out into the intersection and the collision occurred. Veh 1, M 85, Inj 1. Veh 2, M 51, Inj 3.
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