


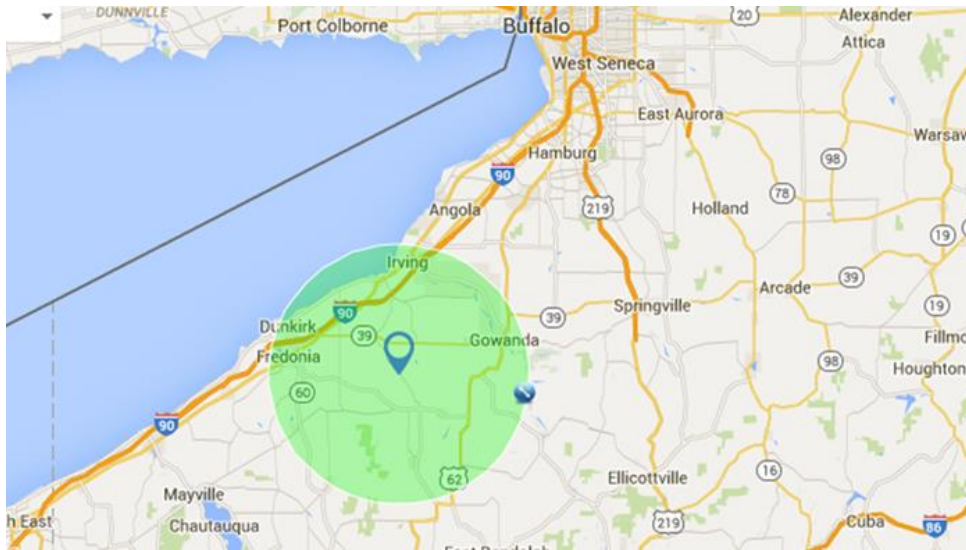
Identifier: AWTG- SURVEY_BW80	Revision: 2.0	Issue Date: Dec. 11, 2015	
Issued By: AWTG			
Issued to: Vestas Wind Systems A/S			
<h1>American Transport, Inc.</h1> <h2>Ball Hill Site Survey</h2>			
			<p><i>The purpose of this document is to provide Vestas route survey information pertaining to the Ball Hill Wind Project.</i></p>

1. Overview description (Purpose)

Vestas Wind Systems A/S requested American to conduct a survey for advisory and informational purposes on the Ball Hill Wind Farm from access point of to service the project.

2. Job Site

Project Name: Ball Hill Wind Project: 42°24'47.86"N, 79° 7'54.07"W which is East of Dunkirk & West of Gowanda in NY. The current site on Ball is a huge wide open field. There should have no problem putting an access road in to reach string roads.



3. Cargo

DESCRIPTION OF GOODS	LENGTH	WIDTH	HEIGHT	WEIGHT (lbs.)
Bottom section	51.77	13.80	12.92	154,324
Lower Mid section	75.33	12.91	12.05	132,277
Upper Mid section	79.92	12.05	12.03	91,492
Top section	98.43	12.03	7.60	74,957

DESCRIPTION OF GOODS	Length (ft)	Width (ft)	Height (ft)	WEIGHT (kg)	WEIGHT (lbs.)
49 M Blade HJ Frames	161.16	8.00	11.68	8,900	19,621

DESCRIPTION OF GOODS	Length (ft)	Width (ft)	Height (ft)	WEIGHT (lbs.)
V100 Hub	13.09	11.53	10.76	43,028

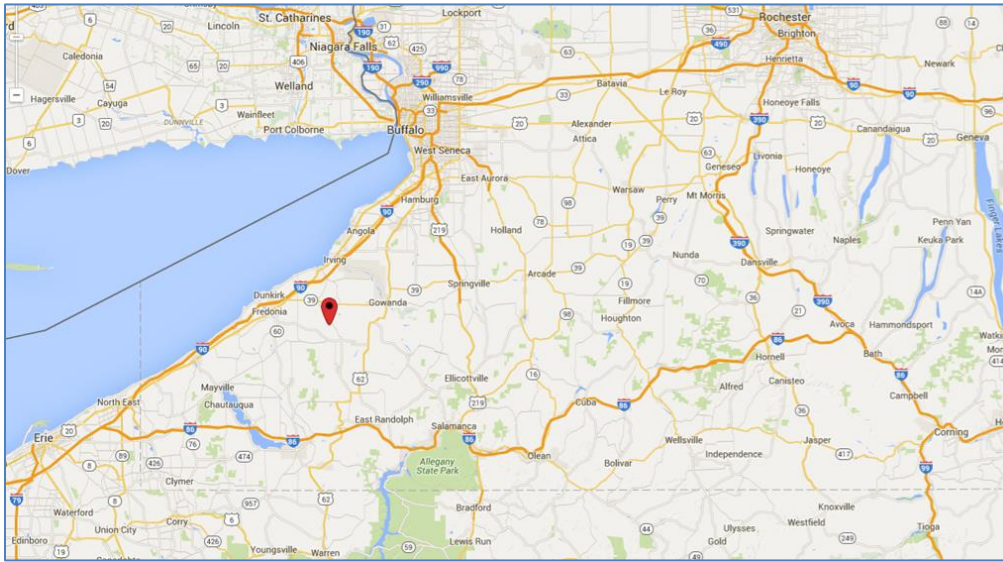
DESCRIPTION OF GOODS	Length (ft)	Width (ft)	Height (ft)	WEIGHT (lbs.)
Nacelle with base plate & Lower Part of the Cooler Top	34.29	12.79	12.66	163,649

4. Schedule

- A. Timeframe: June 2016
- B. Loaded transit time to site – TBD based on Origin

5. Route(s)

The route into the site would follow the straightest way in for all loads via I-86.

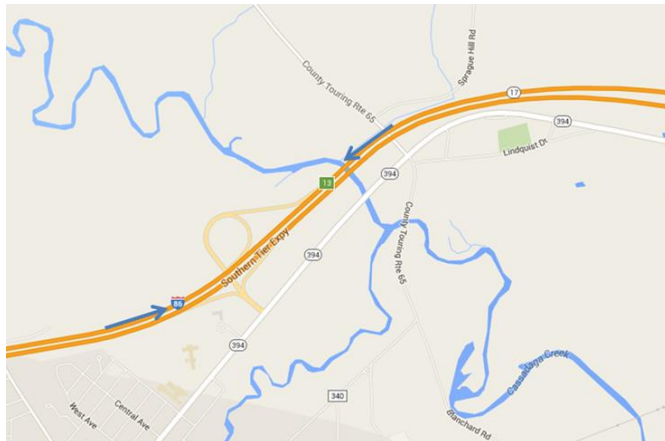


ROUTE: I-86 (from the east or the west) to exit 13, SR 394 (E) - High side Bridge under I-86, (16 feet high), Waterboro Rd(N) - US 62 (N) - SR 83 (N) - CR 87 (N) - Danker Rd (W) - Ball Hill Rd (N) to site.

6. Route Diagrams and Notes

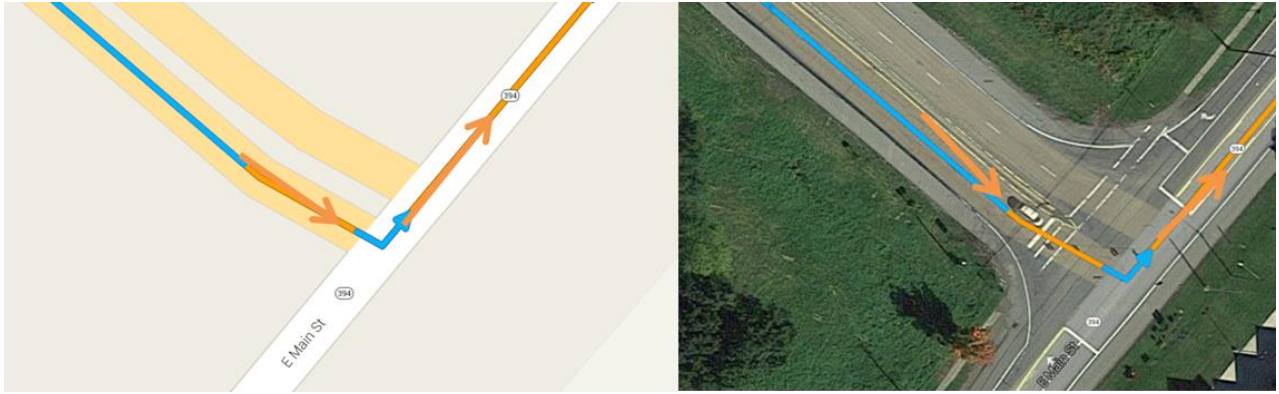
A. Photos and Diagrams – NY Wind Farm Job site:

A1. Travel to the site on I-86 (Traveling from a point of origins either EAST or WEST)

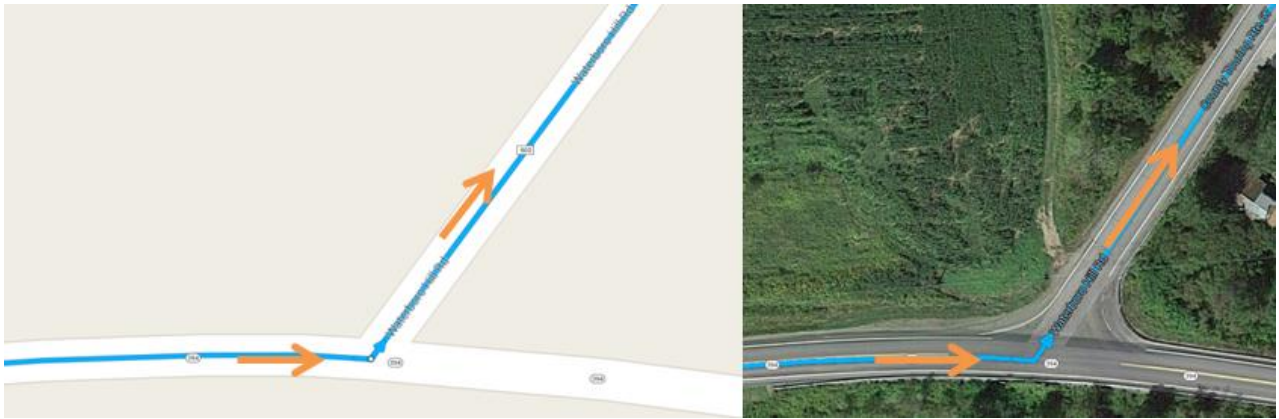


Take I-86 either West or East depending on origin source location to NY-394. Take Exit 13 from I-86

A2. Turn Left onto NY-394



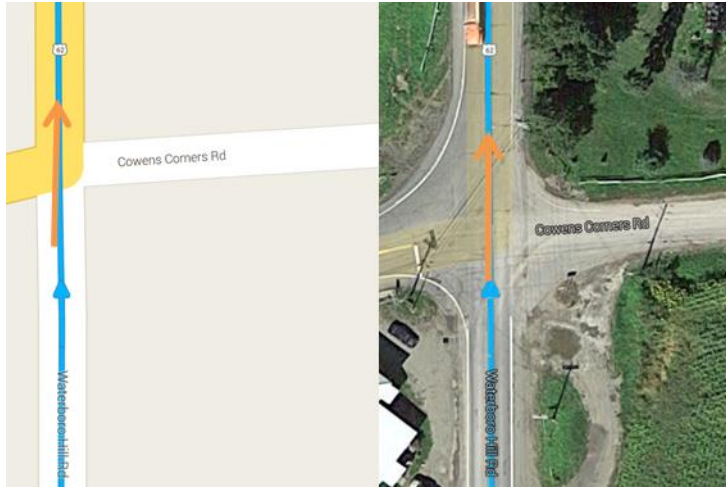
A3. Turn left onto Waterboro Hill Rd / CR-67



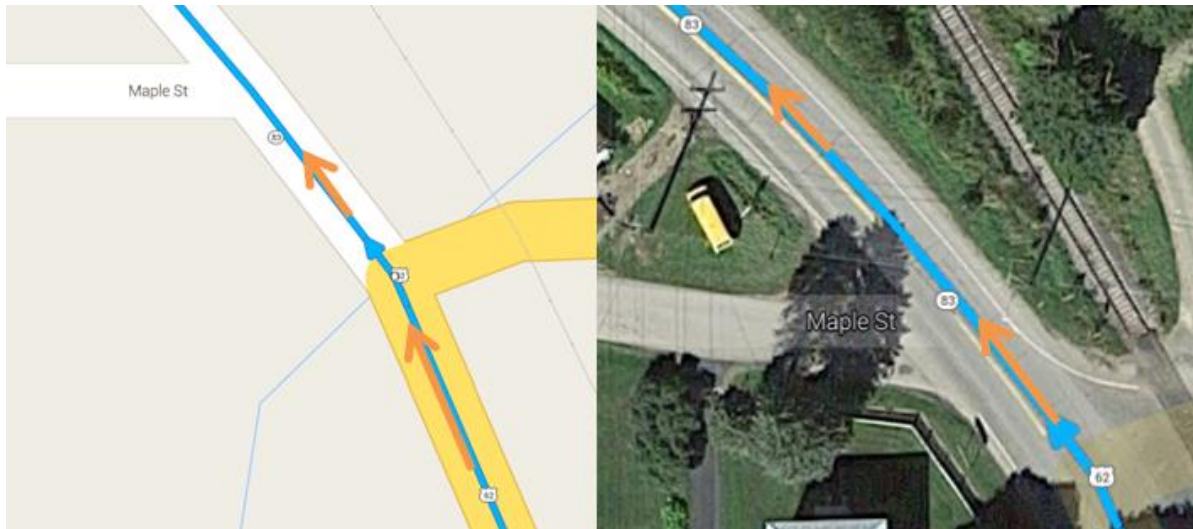
A4. S Turn along Waterboro Hill Rd / CR-67



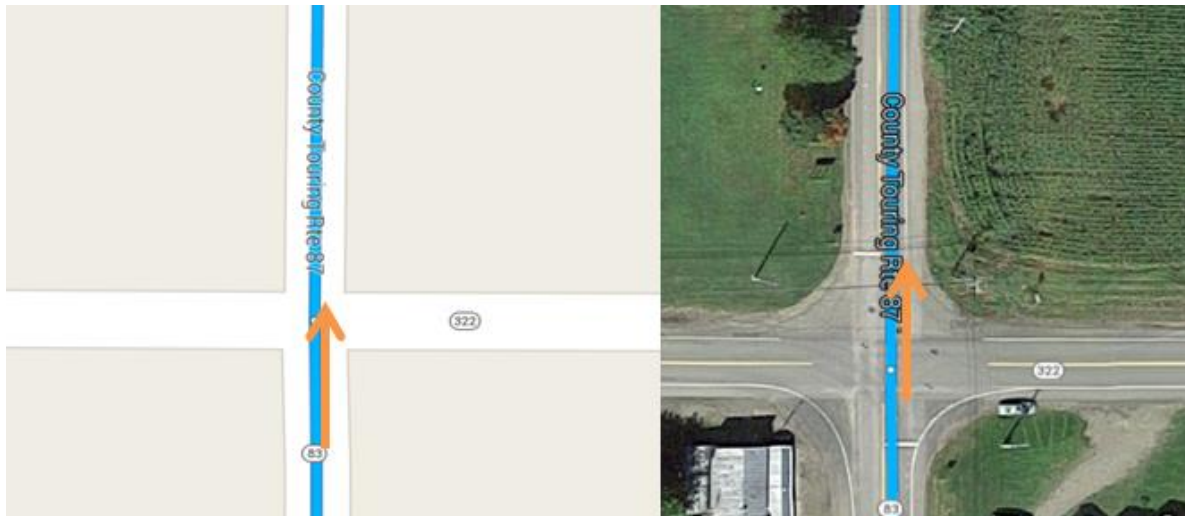
A5. Continue Straight as Waterboro Hill Rd becomes US-62N at the intersection of Cowens Corner Rd



A6. Continue Straight as US-62N becomes NY-83 N just before Maple St



A7. Continue Straight as NY-83 N becomes CR-87 when you cross NY-322



A8. LEFT onto Danker Road



7. Summary / Observations

No major transport obstacles or obstructions noted on the route from I-86

During the survey no major obstacles were identified that would prevent movement of the wind cargo from origin points East or West of the wind farm site while traveling on I-86. Noted below are several items to be aware of along the route.

- Left onto NY-394 – Be aware of traffic lights overhead far right at intersection
- SR 394 (E) - High side Bridge under I-86, (16 feet high)
 - Please note that 49m upright in HJ frame can only be moved on our Master Solutions trailers. Otherwise you will need to move flat position or find alternate route.
- Be aware of tree branches traveling north on NY-83 – may need some trees cut back prior to project transport
- Ensure proper traffic control at all intersections and turns traveling from NY-394 all the way north on NY-83
- Inner corner road improvements on s-turn along Waterboro Hill Rd / CR-67
- Gravel at the corner of CR-87 and Danker Road / removable Stop Sign
- All County roads are in Chautauqua County and will require approvals.

A Follow up survey will be required once project progresses closer to the transport execution phase and the following are confirmed or completed:

- Source locations defined
- Lay-down yard or truck staging area
- Pad access roads
- Road and pad completed to Vestas Specifications

8. Alternate Route

An alternate route is provided below if as a back up to any issues on the County roads. The route consists of:

I-86 (from the east or the west): From the east go to exit 12, and head north on SR-60. If from the west, go to exit 13, do a u-turn and go back to exit 12. From SR60 N, CR-50 to US 62 SR 83 (N) - CR 87 (N) - Danker Rd (W) - Ball Hill Rd (N) to site.

Other Alternate Route Notes:

- Didn't consider transporting loads in from US 20 up to Ball hill as it's pretty much impossible. The corner at the bottom of Ball Hill in Forestville would be a tough turn for a regular length semi-truck much less specialized wind heavy-haul equipment.

9. Route Photos

Photo 1: Traveling on I-86



Photo 2: Travel North on US 62



Photo 3: US 62 to SR-83 North



Photo 4: traveling on CR-87 approaching Danker



Photo 5: Left Turn onto Danker Road off of CR-87



Photo 6: Ball Hill Site

