

Traffic Management Plan

Tobacco Valley Solar Project
Simsbury, Connecticut

PREPARED FOR

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Table of Contents

1	Introduction	1
2	Purpose of This Plan	2
3	Project Description	3
3.1	Project Schedule.....	3
3.2	Construction Entrance	3
3.3	Construction Traffic.....	4
3.3.1	Employees.....	4
3.3.2	Truck/Equipment Deliveries.....	4
3.3.3	Construction Restrictions.....	4
4	Work Zone Assessment	5
4.1	Sight Distance Evaluation.....	5
4.2	Additional Circumstances.....	6
5	Work Zone Impact Strategies	7
6	Emergency Response & Contact Info	8



1

Introduction

This Traffic Management Plan (TMP) has been prepared to fulfill the requirements of 1.n. of the Decision and Order (D&O) on the Tobacco Valley Solar (TVS) Project issued by the Connecticut Siting Council (CSC) on December 21, 2017. The purpose of the TMP is to describe traffic management practices during the construction of the Project.

This Plan was prepared by VHB, in association with DWW Solar II, LLC and their contractor Swinerton Renewable Energy.



2

Purpose of This Plan

A TMP lays out a set of strategies for managing the work zone of a construction project. Work Zone Objectives are:

- › Provide a high level of safety for workers and the public
- › Minimize congestion and community impacts
- › Provide contractor adequate access to the roadway to facilitate work.

This TMP includes:

- › Project Description
- › Work Zone Impact Assessment
- › Work Zone Impact Strategies
- › Emergency Response & Contact Info



3

Project Description

The TVS Project is a 26.4 megawatt solar farm on existing agricultural fields and woodland as well as associated utilities, access paths, fencing, and landscaping to support this use.

3.1 Project Schedule

Project construction is expected to begin in the spring of 2019 and be completed by the end of 2019 or early 2020.

3.2 Construction Entrance

The primary temporary construction entrance will be located on the northeast side of Hoskins Road, east of County Road. A secondary construction entrance is planned on the south side of Hoskins Road approximately 400 feet to the west of its intersection with County Road. It is anticipated that the primary construction trailer and staging area will be located along the north side of Hoskins Road between the two existing barns near the intersection of Hoskins Road with County Road.

Hoskins Road and County Road are both two-lane collector roadways with a posted speed limit of 30 miles per hour in the vicinity of the site. A double yellow centerline is striped on both roads. No shoulder lines or sidewalks are provided on either road adjacent to the construction site.

Hoskins Road and County Road are both town-owned roadways. No access to the site will be provided from any State road. Therefore, obtaining an encroachment permit from the Connecticut Department of Transportation (CTDOT) is not required.

3.3 Construction Traffic

The following traffic is anticipated at the site during construction:

3.3.1 Employees

20 employees per day are projected on the site during the first month of construction. After the first month, up to 200 employees per day are expected on site. Employees are expected to arrive at the site at approximately 6:30am and depart the site at 5:00pm. It is anticipated that the majority of employees will park their personal vehicles in the designated gravel parking area in the field to the south of Hoskins Road. The proposed entrance to this area is from Hoskins Road approximately 400 feet to the west of its intersection with County Road.

3.3.2 Truck/Equipment Deliveries

Grading equipment (i.e. earth movers, bulldozers, excavators, front end loaders, sheep foot rollers) will be delivered during the first month of construction. Truck deliveries are expected to peak at up to 20 per day during the second and third months of construction. Additionally, one daily FedEx delivery is anticipated.

3.3.3 Construction Restrictions

Construction activities such as excavation/grading and installation of the solar panel systems will typically be limited to normal daytime working hours. Construction activities beyond normal daytime work hours would be minimized to the extent practicable.



4

Work Zone Assessment

VHB completed a traffic engineering investigation to evaluate access to the site from Hoskins Road and County Road in Simsbury, Connecticut.

4.1 Sight Distance Evaluation

VHB staff visited the site on Thursday, June 8, 2017 to measure the available sight distance from various potential driveway locations along the site frontage and to observe other potential conditions that may affect the safety and operation of site access during construction. The available sight distance was compared with the sight distance requirements outlined in the CTDOT Highway Design Manual. The minimum required sight distances were calculated based on a conservative design speed of 40 miles per hour on Hoskins Road/County Road (approximately 10 miles per hour above the posted speed limit). The results of the sight distance investigation are summarized below.

Intersection Sight Distances

	Available Sight Distance			Meets Standard	
	Left	Right	Minimum	Left	Right
County Road, west of Hoskins Road	>500'	>500'	445'	YES	YES
Intersection of Hoskins Road and County Road	~450'	>500'	445'	YES	YES
Hoskins Road, east of County Road	150' - 440'	>500'	445'	NO*	YES

As noted in the table above, adequate sight distance for access to the site is available along County Road and at the intersection of Hoskins Road and County Road. However, adequate sight distance is not available along Hoskins Road to the east of County Road. Sight distance along this section of Hoskins Road is limited by the horizontal curvature of the road and an existing embankment and trees on the Project site.

Trees will be trimmed as needed during construction to maintain minimum sight distances from the temporary construction access.

4.2 Additional Circumstances

The driveway for accessing Squadron Line School, a public Elementary school serving approximately 712 students from grades K to 6, is approximately 2000 feet west of the proposed site construction access points. Residents have expressed concern regarding the safety of school children walking to school along area roadways. As such, all truck/equipment deliveries will be directed to approach the site from the east to avoid an increase in truck traffic driving past the school.



5

Work Zone Impact Strategies

As shown on the attached plan, the following measures are proposed for Maintenance and Protection of Traffic during construction:

- › Install “Trucks Entering” signs on eastbound County Road and in both directions on Hoskins Road in advance of the site to alert motorists that there will be increased truck traffic during construction.
- › Install pedestrian warning signs on Hoskins Road at the location where workers are expected to cross the road from the gravel parking area to the construction site.

Following implementation of the Maintenance and Protection of Traffic Plan, traffic patterns will be observed for performance and safety issues. Should any observed conditions warrant it, the Maintenance and Protection of Traffic Plan will be re-assessed and revised to address the observed conditions.



6

Emergency Response & Contact Info

The TVS project will have an emergency response plan during construction. Emergency contacts are listed below:

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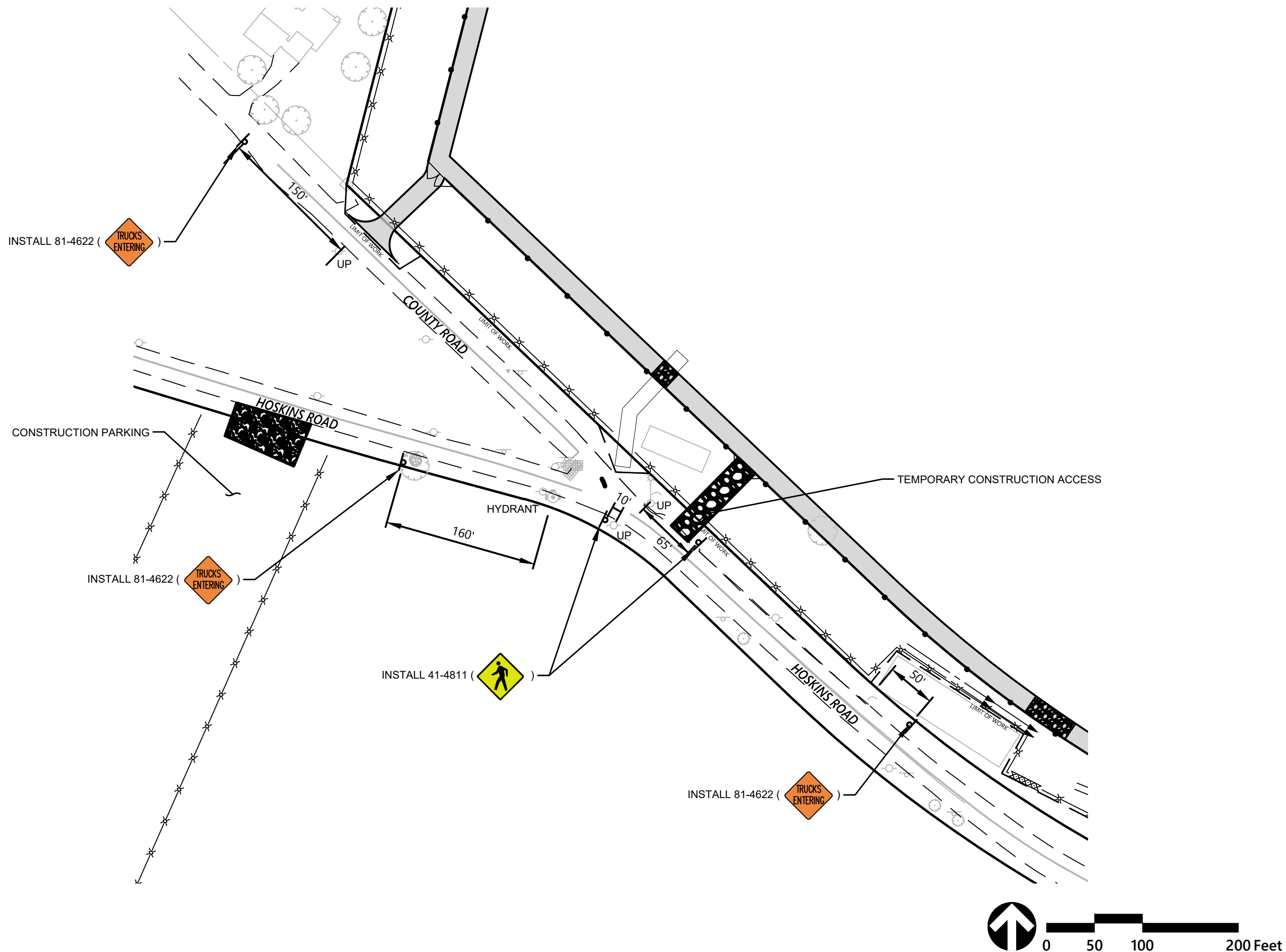
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Tobacco Valley Solar

County Road & Hoskins Road
Simsbury, Connecticut

No.	Revision	Date	Appvd.

Designed by	Checked by
Issued for	Date
Construction	January 18, 2019

Drawing Title
Maintenance and Protection of Traffic Plan

Drawing Number

MPT-1

Sheet 1 of 1

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