

Tri-County Solar LLC Project Traffic Assessment

Tri-County Solar LLC
5 MW-AC Solar Array
7N904 IL Route 25, Elgin, IL 60177

Date: November 11th, 2025

Operator: Tri-County Solar LLC c/o GSI Development Corp.
Greenwood Sustainable Infrastructure
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1.0 Introduction

This limited solar-project traffic evaluation assessment has been prepared as part of the design for the proposed 5 MW-AC solar array located on a currently capped landfill site at 7 N 904 IL Route 25, Elgin, IL 60177. The project area is situated in the northeastern-southern portion of the Tri-County Landfill site on Route 25, parcel ID: 09-01-200-017. If required at the time of submittal for the project building permit, the “Tri-County Solar Traffic Assessment” will be expanded to accommodate any potential listed requirements.

1.1. Project Location

“Tri-County Solar” is located on the capped Tri-County Landfill site. The property is zoned F-2 Farming District with a SU Special Use classification for Superfund Landfill use. The proposed project site is located on a vacant lot off Route 25, capable of supporting the photovoltaic solar arrays.

Adjacent land uses include additional Waste Management landfill sites to the west and south, the James “Pate” Philip State Park to the east and north, and a residential neighborhood to the north.

After assessing the general project area, its neighboring properties, and the location, the area was deemed to be a low-traffic zone.

1.2. Project Traffic Requirements

Throughout the duration of the project, traffic will be limited to site maintenance and construction activities. Traffic requirements are based on two distinct phases: construction and maintenance, as outlined below.

Construction:

Construction is expected to span a period of four to six months, during which time traffic will increase as project panels and components arrive, and construction crews mobilize on site. At the height of this period, the maximum truck deliveries per day will be fifteen, while a much lower number is typically anticipated. General operating hours are from 7 AM to 6 PM, Monday through Friday. The estimate of construction traffic is based on similar MW-scale projects in the vicinity.

Maintenance:

During the maintenance phase, site traffic will decrease significantly. It is anticipated that an average of one maintenance van per month will access the site. The estimate of construction traffic is based on similar MW-scale projects located nearby.

Project traffic mapping was developed to assess potential impacts during the construction period. The attached “Proposed Transportation Route” map, prepared by BOW Renewables, demonstrates that, given the limited nature of traffic demands, project traffic is reasonable and will not pose a detriment to neighboring properties or the community.

2.0. Summary of Findings

This limited traffic evaluation reviews the anticipated vehicular movements associated with the proposed 5 MW-AC solar array project at the capped landfill located at 7 N 904 IL Route 25, Elgin, IL 60177 (parcel ID 09-01-200-017). The evaluation addresses both the construction and maintenance



phases, reviews the surrounding road network and land-use context, and assesses the project's traffic implications in light of its limited traffic profile.

Given the modest scale of traffic generation, the short-term nature of the construction traffic peak, and the minimal ongoing operational traffic, the project's traffic effects are considered to be reasonable and not detrimental to neighbouring properties or the community. The site's access and surrounding roadways are suitable to support the anticipated flows without requiring significant additional mitigation measures.

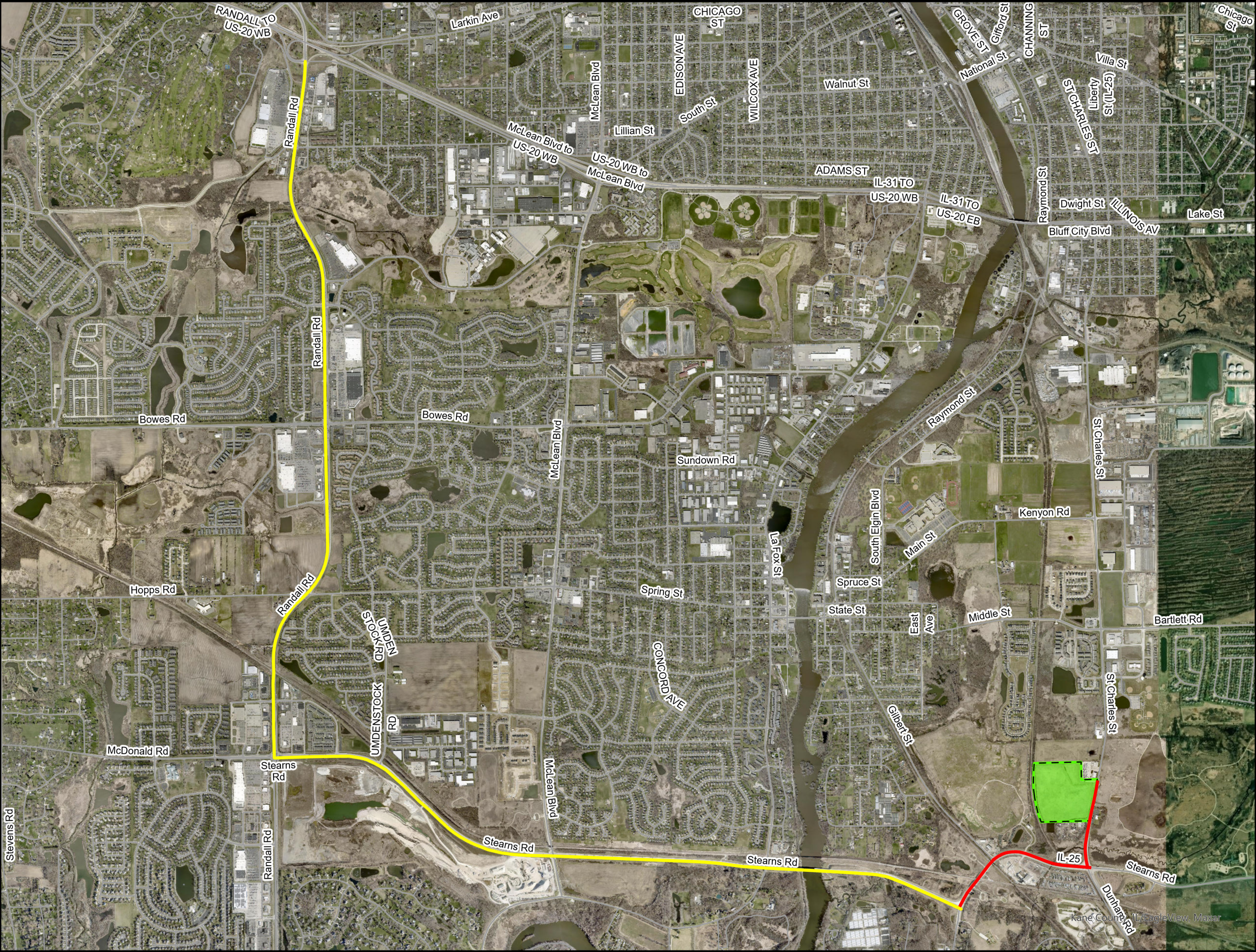
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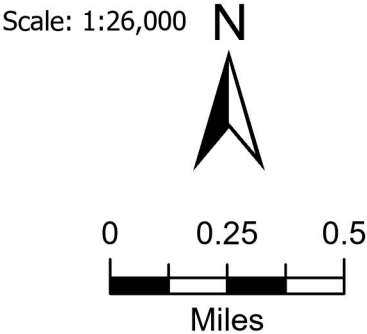


Legend

Proposed Transportation Route

Jurisdiction

- State
- County
- Municipal
- Project Area



Proposed Transportation Route

Tri-County Solar LLC

Kane County, Illinois