

RE: Eco-Site / T-Mobile
Site: VA-0003 / 7FBU103
Plank Road
Fredericksburg, VA
SUP16-0011

- T-Mobile has existing sites at **Carl D. Silver Parkway** and **Chancellor Convenience Center**.
 - Both of these sites have **too much traffic** and **not enough bandwidth**.
 - These sites **don't cover nearby neighborhoods** with quality high-speed data.
- T-Mobile will **"split the cell"** by placing a new site in between them.
 - It will bring **increased bandwidth** to high-traffic areas.
 - It will bring **new data coverage** to neighborhoods not adequately served.
 - Both existing sites will **stay on air** to offer complete coverage and capacity to the area.
- Other solutions are already exhausted or will not solve the problems.
 - Existing sites are **fully upgraded** or are **receiving full upgrades soon**.
 - **All current technologies** are or will be deployed at these sites by T-Mobile.
 - Other existing infrastructure is either **too low** or **too far** from the target area.
 - The target site must be in a **limited geographic area between** the existing sites.
 - It must be of **sufficient height** to reach the coverage objectives.
- This solution **addresses both issues** with a single new site.