

ARConnect BEAD – Milestone 1 - Requirement Network Design	
Components	Details
Area Map	A high-level aerial view of the entire network area, showing the main fiber routes, <i>conduit paths and conduit access points</i> . * Include key landmarks and labeling of streets, etc. Show middle-miles connection.
Shapefiles  (Submit the same shapefiles that you are including with your ESAPTT questionnaire)	At minimum, submit: <ul style="list-style-type: none"> <li>• Fiber / cable lines (polyline layer) with attributes such as: <ul style="list-style-type: none"> <li>• ISP name, BEAD Project ID, ISP subproject ID</li> <li>• Asset type (e.g., Existing Infrastructure / Match / BEAD-funded)</li> <li>• Installation type (Aerial / Buried / Underground)</li> <li>• Installation method (Existing poles, new poles, plow/trench, existing conduit, etc.)</li> <li>• Right-of-way type (existing / new)</li> </ul> </li> <li>• Outside plant structures (point layer) – poles, pedestals, handholes, cabinets, huts, towers, etc., with attributes such as: <ul style="list-style-type: none"> <li>• Asset type &amp; description</li> <li>• Size / height</li> <li>• ROW type (existing / new)</li> </ul> </li> <li>• Site preparation / disturbance areas (polygon layer) – tower pads, buildings, yards, large equipment sites, etc., with attributes such as: <ul style="list-style-type: none"> <li>• Asset type</li> <li>• Infrastructure type (e.g., tower, electronics site, termination hut)</li> <li>• Disturbed area (acres)</li> <li>• ROW type</li> </ul> </li> </ul>

\*Per Page 66 of the BEAD NOFO; ii. Conduit Access Points:

“Any Funded Network deployment project that involves laying fiber-optic cables or conduit underground or along a roadway must include interspersed conduit access points at regular and short intervals for interconnection by unaffiliated entities. Where a project proposes to lay conduit, Eligible Entities shall require prospective subgrantees to propose to deploy a reasonable amount of excess conduit capacity and to propose a conduit access point interval as part of the grant application process and shall consider the adequacy of the prospective subgrantee’s proposed excess conduit capacity and access points when evaluating the application.”

Naturally connected.