
TP ATTACHMENT 19-1 – ETTM INFRASTRUCTURE RESPONSIBILITY MATRIX

ETTM INFRASTRUCTURE RESPONSIBILITY MATRIX

<i>Element/Task/Component/ Sub-system</i>	<i>Design-Builder</i>			<i>Systems Integrator</i>		
	<i>Design</i>	<i>Furnish</i>	<i>Construct/ Install</i>	<i>Design</i>	<i>Furnish</i>	<i>Construct/ Install</i>
ETTM CHANGEABLE MESSAGE SIGN CMS)						
ETTM Changeable message signs (CMSs)	N	N	Y	Y	Y	N
Foundations and sign structures	Y	Y	Y	N	N	N
Conduits, service cabinets, pull boxes, and type 334 cabinet foundations	Y	Y	Y	N	N	N
Type 334 cabinet	N	N	Y	Y	Y	N
Utility service point and connection	Y	Y	Y	N	N	N
ETTM CAMERAS						
<i>ETTM CMS Message Verification Cameras</i>						
Foundations and poles	Y	Y	Y	N	N	N
Camera mounting adapters	N	N	N	Y	Y	Y
ETTM CMS message verification cameras	N	N	N	Y	Y	Y
Conduits, service cabinets, and pull boxes	Y	Y	Y	N	N	N
Pole mounted NEMA 4R enclosure	N	N	Y	Y	Y	N
Utility service point and connection	Y	Y	Y	N	N	N
<i>ETTM CCTV Cameras</i>						
Foundations and poles	Y	Y	Y	N	N	N
Camera mounting adapters	N	N	N	Y	Y	Y
ETTM CCTV cameras	N	N	N	Y	Y	Y
Conduits, service cabinets, pull boxes	Y	Y	Y	N	N	N
Pole mounted NEMA 4R enclosure	N	N	Y	Y	Y	N
Utility service point and connection	Y	Y	Y	N	N	N
<i>Security Cameras</i>						
Foundations and poles	Y	Y	Y	N	N	N
Camera mounting adapters	N	N	N	Y	Y	Y
Security cameras	N	N	N	Y	Y	Y
Conduits, service cabinets, and pull boxes	Y	Y	Y	N	N	N
<i>Tolling Zone Cameras</i>						
Foundations and poles	Y	Y	Y	N	N	N
Camera mounting adapters	N	N	N	Y	Y	Y
Tolling Zone cameras	N	N	N	Y	Y	Y
Conduits, service cabinets, pull boxes, type 334 cabinet foundations	Y	Y	Y	N	N	N
Type 334 cabinet	N	N	Y	Y	Y	N
Utility service point and connection	Y	Y	Y	N	N	N
ETTM COMMUNICATION CONDUIT NETWORK						
Conduits and innerducts	Y	Y	Y	N	N	N
Splice vaults, vaults, service cabinets, and foundations	Y	Y	Y	N	N	N
Pull boxes	Y	Y	Y	N	N	N
Utility service point and connection	Y	Y	Y	N	N	N
ETTM System ¹	N	N	N	Y	Y	Y
TOLLING ZONE						
Conduits, service cabinets, pull boxes, type 334 cabinet foundations	Y	Y	Y	N	N	N
Type 334 cabinet	N	N	Y	Y	Y	N

¹ Includes fiber optics cable, connecting equipment, splicing, terminating, and testing

ETTM INFRASTRUCTURE RESPONSIBILITY MATRIX

<i>Element/Task/Component/ Sub-system</i>	<i>Design-Builder</i>			<i>Systems Integrator</i>		
	<i>Design</i>	<i>Furnish</i>	<i>Construct/ Install</i>	<i>Design</i>	<i>Furnish</i>	<i>Construct/ Install</i>
Tolling Zone gantries	Y	Y	Y	N	N	N
NEMA 3R enclosures	Y	Y	Y	N	N	N
NEMA 3R enclosure locations	N	N/A	N/A	Y	N/A	N/A
Utility service point and connection	Y	Y	Y	N	N	N
TOLL UTILITY BUILDING (TUB)						
General						
Toll Utility Buildings (TUBs)	Y	Y	Y	N	N	N
TUB foundation	Y	Y	Y	N	N	N
UL 752 Level 4 bullet resistant observation window	Y	Y	Y	N	N	N
ADA accessible unisex lavatory including toilet , sink, and associated fixtures	Y	Y	Y	N	N	N
Overhead lighting	Y	Y	Y	N	N	N
TUB entry door	Y	Y	Y	N	N	N
Secure access system	Y	Y	Y	N	N	N
TUB Utilities						
Utility service point and connections	Y	Y	Y	N	N	N
Conduits, pull boxes, vaults, foundations, valves, cleanouts, and appurtenances	Y	Y	Y	N	N	N
Structure power distribution system	Y	Y	Y	N	N	N
Lightning protection and grounding systems	Y	Y	Y	N	N	N
Telephone service	Y	Y	Y	N	N	N
Water service	Y	Y	Y	N	N	N
Self-contained sewage holding tank	Y	Y	Y	N	N	N
Sewage tank audio-visual alarm	Y	Y	Y	N	N	N
TUB Equipment						
HVAC system	Y	Y	Y	N	N	N
Emergency generator	Y	Y	Y	N	N	N
Fire alarm system	Y	Y	Y	N	N	N
TUB Site Work						
Security fence/barrier	Y	Y	Y	N	N	N
Concrete safety barrier	Y	Y	Y	N	N	N
High mast lighting	Y	Y	Y	N	N	N
TUB site paving	Y	Y	Y	N	N	N
Access road	Y	Y	Y	N	N	N
ETTM ELECTRICAL SERVICE						
Coordinate with electrical utility service provider	Y	Y	Y	N	N	N
Mainline power distribution network	Y	Y	Y	N	N	N
Step-down transformer foundations and cabinets	Y	Y	Y	N	N	N
Transformer, main disconnect switch, load circuit breakers and fuses for circuit protection	Y	Y	Y	N	N	N