GTE Responsibilities - HQ Traffic				
Introductory Knowledge: A basic understanding of the objective **Working Knowledge: An understanding of the information and an ability to use and apply the information** **Demonstrated Competency: The proven ability to perform the objective determined by the supervisor**				
	Objective Description	**Introductory Knowledge**	**Working Knowledge**	**Demonstrated Competency**
1	TE/TSMO - Training: Obtain a working knowledge of all applicable design standards, including the Traffic Design Manual, Standard Drawings, HSAM, MUTCD, AASHTO Greenbook, Guide for Setting Speed Limits, and other applicable guides, that govern the transportation elements associated with Traffic Design, including the differences between laws, policies, rules, and guidance			
2	TE/TSMO - Training Discussion / Assignment: Obtain a working knowledge of Traffic Engineering performance metrics including: Capacity Evaluations and Safety Analyses			
3	TE/TSMO - Hands-On Training: Observe the use and understand the application of Synchro and Highway Capacity Software (HCS) for modeling traffic to address Traffic Operations concerns. Signal phasing and Signal timing will be included as part of this training.			
4	TE/TSMO - Training (TSMO): Obtain an Introductory Knowledge of TSMO Traffic Operations, including Active Arterial Management, Active Freeway Management, and Integrated Corridor Management			
5	TE/TSMO - Training Discussion / Assignment (TSMO): Use the Regional Integrated Transportation Information System (RITIS) for probe data showing reliability, speed, user delays, and Origin-Destination studies - this objective will include providing updates to the quarterly reports			

6	TE/TSMO - Review Traffic Control Plans and TMP for Significant Projects, projects having greater than 30,000 AADT, to ensure traffic control is consistent with work zone standards, constructable, and, where applicable, accommodates motorized and non-motorized users			
7	Lighting - Training Discussion: Understanding funding and maintenance for Roadway Lighting and how to apply this information to TDOT's design process			
8	Lighting - Hands On Training and Calculation Exercise: Determine lighting needs for projects, including a review of TDOT's process and performing a warrant analysis as described by FHWA & AASHTO			
9	Lighting - Training Discussion: Understanding types of devices (i.e. highmast, offset, mast arm,or decorative) and luminaire type (i.e. LED or other), including application, cost, and TDOT's decision making process. *Presentations related to the impacts of lighting with respect to an increase in pedestrian safety may be incorporated into this objective.			
10	TRAFFIC SIGNALS: Partcipate in a Site Review for a signal project (if available)			
11	TRAFFIC SIGNALS: Assist with plans preparation using MicroStation/ORD, including Traffic Signal and Lighting Design Plans			
12	TRAFFIC SIGNALS: Attend Field Reviews with either ROW and/or Construction for a Signal or Lighting project			

13	TRAFFIC SIGNALS: Understand the specifications and how the specifications relate to the payment of various signal items (i.e. wiring for signals heads and conduit runs) - and - calculate signal quantities			
14	TRAFFIC SIGNALS: Determine red and yellow clearance intervals			
15	TRAFFIC SIGNALS: Determine typical signal head placements			
16	Training Discussion: importance of stakeholders and partnerships in TDOT, local governnments, law enforcement, emergency services, mpos, legislators, environmental tdec - focus on point of protocol and when to apply			
17	ITS - Training: As part of Traffic Design, obtain an Introductory Knowledge of TDOT ITS Devices through Use Cases that encompass TDOT's ITS device types and the application of each device with respect to: Traffic Incident Management, Active Arterial Management, and Integrated Corridor Management			
18	ITS - Training: Obtain a Working Knowledge of ITS Architecture, consisting of documents that encourage interoperability and resource sharing among agencies, identify applicable standards to apply to ITS projects, and allow for cohesive long-range planning among regional stakeholders			
19	ITS - Training: Obtain a working knowledge of the Systems Engineering process and how it is applied to ITS project development at TDOT			
20	ITS - Hands-On Training: Obtain a Working Knowledge of site reviews and the importance of site reviews for designers in determining how the proposed ITS system should be designed and potentially impact traffic.			

21	ITS - Assist in reviewing ITS design plan submittals for various project milestones, including verification of estimated quantities, layout of the communications network, and review of the ITS detail sheets			
22	ITS - Utility Conflict Reviews: Research existing and planned TDOT ITS infrastructe to accurately respond to Utility Conflict requests.			
23	Ensure quality meets or exceeds standards			
24	Manage change by maintaining complete and accurate documentation, to assist in providing project continuity			
25	"Assist with public involvement efforts, including responses to emails and phone calls, public meetings, website updates, etc (if feasible) *Anticipate training will be provided HQ*" Identify and effectively coordinate with the Pre-Construction disciplines, Traffic Operations, Construction, IT as necessary to ensure the needs of the project are met			
26	Assist with public involvement efforts, including responses to emails and phone calls, public meetings, website updates, etc (if feasible) *Anticipate training will be provided HQ*			
27	Identify and effectively coordinate with the Pre-Construction disciplines, Traffic Operations, Construction, IT as necessary to ensure the needs of the project are met			