

Task Order:

Task Description	Date	Time	CS Staff	CT Staff	S/W used	Ref. material provided? YES/NO	What was accomplished	Links (scripts, runs, PowerPoints, etc.)	Pros	Cons
TransCAD Training	8/16/2016 & 8/17/2016	9:00 a.m. to 5:00 p.m.	Ramesh Thammiraju & Chao Wang	Shahmiri Ali Hanwen Yi Wei Xia Sarah Ramos (& Maurice Eaton if desired)	TransCAD / GISDK	Yes - we will provide digital files of ppt slides and GISDK code at the end of the sessions				

**Describe Modeling and Forecasting knowledge level improvement for each staff member*

AGENDA

Day 1: Tuesday (8/16/2016)

- Start at 9:00 a.m.** (All attendees)
- 9:00 a.m. - 9:15 a.m. Training sessions overview (what we will be working and accomplishing in the two day working sessions)
- 9:15 a.m. - Noon TransCAD 101
- Noon - 1:15 p.m. Lunch break
- 1:15 p.m. - 5:00 p.m. Side-by-side training (Ali + Sarah + Ramesh)
Side-by-side training (Wei + Chao)

Day 2: Wednesday (8/17/2016)

- Start at 9:00 a.m.**
- 9:00 a.m. - 5:00 p.m. Side-by-side training (Ali + Sarah + Ramesh)
Side-by-side training (Wei + Chao)

List of topics to cover in the side-by-side training

1. TransCAD software overview
2. The UI overview & menu options
3. File types (.wrk, .dbd, .rts, .bin, .dcb, .mtx, .mvw, .dvw, etc.)
4. Networks (editing geography, topology, editing the attributes, selection sets, combining selection sets, finding links using selection tools, etc.)
5. Dataviews (joins, adding fields, filling fields with formulas, labeling, fill field vs. formula field data types, etc.);
6. Matrices (matrix manipulations - find cells and fill values, adding matrix cores and filling them, creating new matrices, results extractions; summary statistics, adding indices & dst-to-dst summaries, matrix aggregation, etc.)
7. Map making (theme maps, dot density maps, bandwidth maps, layouts, printing to pdfs, etc.)
8. Exporting to other software (the dbd shapefile, output to excel, dbf, etc.)
9. VMT & VHT extraction for a subarea
10. Creating highway network file and testing shortest paths
11. Select link analysis
12. Matrix operations (manual – not GISDK)
13. Land Use data: modifications
14. Planning functions in TransCAD