



Geographic Information System (GIS)

Required Information Checklist

- A brief description of what you are hoping to discover/accomplish with the GIS study. Please indicate if any other IAFF Local will be impacted by the results of this study.
- A map, which includes street names, showing the fire department's jurisdiction. A current gas station style map works well. An ArcView formatted "shapefile" of your jurisdiction generated by your municipality's GIS Department is ideal, if available. Indicate current boundaries and areas annexed or released by your municipality within the last 10 years.
- Clearly indicate on the above map the location of all fire stations and/or EMS stations. Optionally, indicate landmarks important to your study (i.e. high fire hazard areas or buildings, areas of high incident volume, HAZ MAT areas, or politically important areas). Small colored stick-on dots or the use of a brightly colored highlighter are suggested methods of labeling stations and landmarks on the map.
- A chart listing current and future station locations and current apparatus deployment and staffing (see the attached example).
 - Station name and numerical address, including zip code
 - Nearest cross-streets
 - A list of all active apparatus in that station. If a combination engine-ladder unit ("quint") is deployed please indicate its primary role (i.e. primarily Engine functions, switching to Ladder functions as required or with the arrival of additional personnel or apparatus).
 - Indicate how each unit is staffed (i.e. max., min., cross-staffing) and EMS training level requirements (i.e. EMT-Basic, Paramedic).
- Indicate the average speed of responding apparatus. Map may be customized by road type (i.e. highways 50 mph, school zones 15 mph).
- Provide any response time objectives or criteria for the first due unit and full-alarm assignment to fire or EMS calls. The default response times are 4 minutes (1 minute turnout, 3 minutes travel) and 8 minutes (1 minute turnout, 7 minutes travel). Explain which apparatus are dispatched for each type or response.
 - BLS Medical Call
 - ALS Medical Call
 - Small fires (i.e. dumpsters)
 - Full-Alarm (i.e. structure fires)
 - Unique Alarms (aircraft or HAZ MAT incidents)
- Indicate whether your response time objectives or criteria include dispatch time and/or turnout time.
- Define "response time" (i.e. from dispatch to a unit's arrival on the scene).

- ❑ Does your jurisdiction receive automatic aid from neighboring jurisdictions? If so, indicate whether this should be included in the analysis. Provide automatic aid station locations, apparatus, and staffing information for these areas as well.

Sample Station Data Table

Station Name	Station Address	Station Zip Code	Left Cross-Street	Right Cross-Street	Apparatus	Staffing
Station 1	21 Hobart St.	11111	Seventh Ave.	Daffodil Ct.	Engine 1 Ladder 1 Rescue 1 B/C Car	4 FF/EMT -B 4 FF/EMT -B 2 FF/EMT -P 1 Batt. Chief
Station 2	123 Main St.	11111	Oak St.	Pine St.	Engine 2 Ladder 2	4 FF/EMT -B 4 FF/EMT -B
Station 3	222 Pine St.	11110	Main St.	Airport Dr.	Engine 3 Crash 3	3 FF/EMT -B 1 FF/EMT -P 4 FF/EMT -B

Sample Response Information

Average Speed: 30 mph

Turnout Time: 1 minute 0 seconds

Response Time Objectives: First unit on the scene within 4 minutes 0 seconds of dispatch and/or a full-alarm assignment on the scene within 8 minutes 0 seconds of dispatch.

BLS Medical Assignment: 1 Rescue

ALS Medical Assignment: 1 Engine and 1 Rescue

Still Alarm (Fire): 1 Engine

Full-Alarm Assignment: 2 Engines, 1 Ladder, 1 Rescue, and 1 Batt. Chief

Sample of a Finished Map

