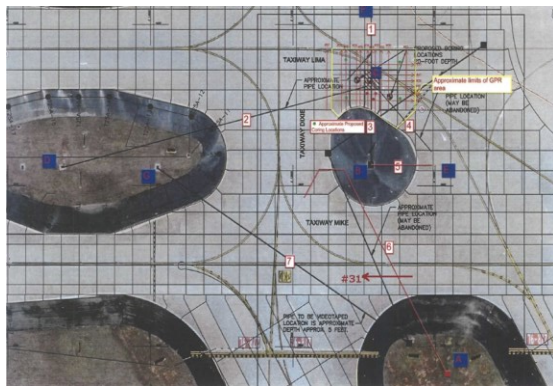


*Hartsfield Jackson Atlanta International Airport (HJAIA):
Ground Penetrating Radar (GPR) Taxiways Lima and Mike
Evaluation.*

Project:	GPR Evaluation of Taxiways Lima and Mike
Client:	Terracon
Location:	Hartsfield Jackson Atlanta in International Airport
Completion:	Complete



Objective: To determine whether voids existed below Taxiways Lima and Mike



Consistent with its status as the world’s busiest airport, the City of Atlanta continues to maintain a highly effective and robust pavement management program at the Hartsfield Jackson Atlanta International Airport (HJAIA). There was a concern that aging and deteriorating storm water pipes installed below Taxiways Lima and Mike may be contributing to the development of voids that could negatively impact the pavement’s structural integrity in the long term. MME was engaged by Terracon in 2011 on behalf HJAIA to utilize Ground Penetrating Radar (GPR) to evaluate the subsurface conditions below Taxiways Lima and Mike.

The subsurface profile was scanned along lines following an established grid pattern with a total of 18 scan lines completed. The GPR data showed evidence of subsurface anomalies along 13 scans that suggest the existence of voids or loosely compacted soil support below the pavement slabs in specified areas. This evaluation was instrumental in informing HJAIA’s pavement management program.

