

SIMILAR PROJECTS

State:	Kentucky
Agency:	GRASS & City of Owensboro Recreation / Parks Division
Project and/or Route Name:	<u>Thompson Berry Soccer Complex – Daviess County</u>
Dates:	2002
Type of Improvement:	Addition of Parking / Traffic Flow Improvements / Drainage Study With On-Site Dry Retention Basin
Firm's Project Manager:	Tony Huff, PE – THA Engineering Solutions

The Problem

Traffic flow and parking capacity at Thompson-Berry Park was not keeping pace with the public demands of the Soccer Complex. Traffic was noted to back all the way out to Hwy 60 at times. In addition to parking, downstream drainage was a major concern as surface water from the site flows westward into an adjacent subdivision.



Assessment

THA Engineering Solutions was asked to assess the traffic flow situation and prepare a drainage study and plans for two (2) additional parking areas. THA was also asked to study the drainage of the site and to design any necessary on-site drainage retention to hold or reduce downstream impacts due to the additional impervious area created by the new pavement.

Solutions

THA Engineering Solutions determined that the major traffic interruption was due to the high number of autos stopping in the culdesac to drop off players and fans. The culdesac was re-designed as something of a round-about with access to both east and west parking areas as well as a designated drop-off zone to allow cars to pull out of the traveled way to drop off passengers. Furthermore, the newly added parking area to the west also provides a drop-off area for autos. A small gravity drain retention area was designed at the low corner of the newly paved parking area. The discharge from the basin was controlled at or below the pre-construction discharges by v-notch weir.