



## ThyssenKrupp Steel and Stainless USA, LLC Final Drainage & Roadway Design

ThyssenKrupp Steel and Stainless, USA, LLC built a new state-of-the-art steel and stainless steel processing facility in Calvert, Alabama after a highly competitive site selection process in the U.S. The site is located 30 miles north of Mobile, Alabama and covers approximately 3,500 acres of land and approximately 7 million square feet of building space. The facilities will process carbon steel and stainless steel for high-value applications by manufacturers in the NAFTA market. The new USA facility is one of the largest private industrial investments in the United States to date. In mid-2008, Hutchinson, Moore & Rauch, LLC (HMR) was retained by ThyssenKrupp Steel and Stainless USA, LLC, (TK) to provide engineering services for the design of the final drainage and roadway infrastructure for the \$4.3 billion plant. HMR was tasked with designing the primary and secondary storm water collection and conveyance systems for the entire 1,200 acre facility while interfacing with the existing storm water detention system. In addition, HMR provided the final grade, drain, base, and pavement plans and specifications for approximately 15



Client: ThyssenKrupp AG

Constructed Value: \$4.3 Billion

Project Duration: Project Completed 2013

HMR Services: Civil Engineering & Design, Plans & Specifications, Drainage, Contract Administration, Construction Surveillance



miles of roadway and over 30 acres of employee parking facilities. HMR presented an approach to TK whereby the road and drainage facilities could be let for construction in packages which were coordinated with the construction of the overall facility. Working closely with TK logistics personnel and 11 other A/E firms working on plant facilities, HMR provided plans and specifications for road and drainage facilities necessary to keep up with the fast paced construction of the facility. The individual construction package maintained continuity between facility logistics and infrastructure needs. This integrated approach was accepted by TK and led to cost savings and efficiency in the overall construction of the facility. TK USA CEO Dr. Ulrich Albrecht-Frueh said in early 2009, "I could not be more pleased with the team we have assembled for our new project."