



## Executive Summary

Nationals Park is home to the Major League Baseball Team, The Washington Nationals. The ballpark is a fast-tracked design build project located in the SE of Washington, DC. The ballpark was completed by opening day for on March 30<sup>th</sup>, 2008. There are three major general contractors that formed “A Joint Venture” and became Clark / Hunt / Smoot, to oversee the ballparks construction. The ballpark was designed by another joint venture, HOK Sport and Devroux and Purnell. They were the architects that came together to create the beautiful, and unique ballpark. The project has the largest construction cost ever to date for a Major League Baseball stadium with an overall project cost of \$611 million.

The research that was done for this thesis is on Short Interval Production Scheduling, (SIPS). Within this document you will find background on SIPS and well as the methodology about how to develop a successful schedule. It describes that step by step process which will guide you to developing a SIPS:

1. Break the operation into specific activities
2. Assign production rates to each activity
3. Calculate extensions and set goals
4. Develop a time-scaled, resource loaded bar chart

The first breadth area is on structural column redesign and how it can affect the project schedule and the project budget. It shows how much a little change in the structural redesign can change the project cost and project schedule.

The second breadth area is a lighting redesign of the indoor batting cages. It demonstrates how by changing the lighting design you can save the owner building operation costs and make the building more environmentally friendly.