

## Aggregate and Concrete Tracker

Control/Data Entry Sheet Instructions

Project Data Entry			
General Information			
Office#:			
Date of Last Status Update:			
Completion (%):			
Contract Year:			
Contract Number#:			
Job Number#:			
Route:			
County:			
Location/Description:			
Contractor:			
Construction Contact:			
Material Contact:			
White/Blue Team#:			
Asphalt		Masonry	
Grade:		Gradation:	
Add Tonnage Placed:		Cubic Yards Planned:	
Tonnage Planned:		Add Split Tests Completed:	
Add Split Tests Completed:		Split Tests Required:	
Split Tests Required:		Add Independent Tests Completed:	
Add Independent Tests Completed:		Independent Tests Required:	
Independent Tests Required:		Add QC Tests Completed:	
Add QC Tests Completed:		QC Tests Required:	
QC Tests Required:			
PCCP		1007 Aggregate for Base	
Gradation:		Type:	
Add Tonnage Placed:		Add Tonnage Placed:	
Cubic Yards Planned:		Tonnage Planned:	
Add Split Tests Completed:		Add Split Tests Completed:	

This section is used for entering new project information and updating information for existing projects. The data entered in this section is added to either the 'WHITE' or 'BLUE' tab depending on which team is indicated.

The 'Add New Job' button is used to add a job for which no previous data has been entered. The required fields for this function are noted with the red asterisk (\*).

The 'Add To/Update Existing Job' button is used to update material information for jobs which have already been entered. The required fields for this action are indicated by darker cell shading in the input cells.

After entering data using either function, the General Information fields will remain filled in, but the material fields will be cleared. This allows for multiple materials to be entered without entering the General Information multiple times.

To keep a running total of tests completed for each material, values entered in any of the 'Tests Completed' fields for a material are added to the values already entered for that job and material.

### Description

TRACT (Tool for Real-Time Aggregate & Concrete Tracking) is a program built inside of Microsoft Excel that is used to track the progress of aggregate testing on construction projects. Another portion of the program is used to quickly create schedules of concrete pours and to summarize the amount of concrete used on individual jobs. This innovation provides real-time data that district materials employees use to improve their time management and efficiency.

### Benefit

The large volume of required aggregate sampling and testing at the district level makes it necessary for employees to allocate their time appropriately between multiple jobs. To do this, real-time approximations of the testing progress and overall job progress (as related to that material) are needed to give employees an idea of their current status. With this knowledge, better time management can be achieved, and the testing can be better distributed over the project timeline. The concrete tracking portion of the innovation saves time by allowing the user to quickly generate daily and weekly formatted schedules of concrete pours after entering the data only once. These schedules also provide a tool for improving time management. The tool also is housed on Sharepoint, which allows multiple employees to access or review.

### Materials and Labor

About 40 hours of labor with no material costs.

### For More Information Contact:

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Additional photos can be seen by accessing the Innovations Challenge homepage at: <http://wwwi/intranet/cr/SolutionsAtWork/Innovations.htm>.