

SDDOT Brooking County Highway 14 Urban Reconstruction – PCN 027B
Submitted by: GCC Ready Mix

Timmons Construction started pouring concrete for the new Highway 14 (6th Street) Urban Reconstruction Project on May 6th, 2020. This was a two-phase project starting from Main Ave. going East to Medary Ave. The new roadway has 5, 11-foot lanes of 8.5-inch concrete, new curb & gutter, 5 foot wide sidewalks, all new storm sewer, traffic signals and roadway lighting.

A 4500 PSI, three aggregate blend mix was used in the 4,910 yds of concrete for the mainline paving, intersections, and tie-ins with average breaks at 5500 PSI. 1,388 yds of M6 was used for sidewalks and driveways. On average the paving pours were around 500 yds with the largest pour being 847 yds on July 31st. With the paving pours taking place in the heat of summer precautions were taken to keep concrete temperatures below the 90-degree maximum allowed.

With the two-phase project businesses and homeowners still needed access in and out during construction. Planning and communication between the Timmons Construction and GCC was key to making sure trucks were entering and leaving the site on the correct side streets. On site for the paving pours, additional quality control was used for backing trucks to the paver and the critical communications between the DOT, Timmons Construction and the GCC plant regarding concrete test results throughout the pours.

Overall, this project took only 9 weeks to place the concrete over the 6 blocks and was another successful example of the work that can be accomplished with solid planning and communications between the companies involved.