

*NIU Construction Standards*

*Division 32 1313 – Concrete Pavement*

June 2017

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All dock area ramps, street aprons and fire lanes to be a minimum of 6” to 8” thick with #6 welded wire fabric 2” above bottom of slab.

Provide 6” concrete pavement under all dumpsters.

Sidewalks to be a minimum of 5” thick with a rough broom finish, California style 5” smooth trowel borders around all control joints panels (maximum panel size to be 7’ x 7’) and with ½” “Proflex” expansion joint filler and #6 welded wire fabric 2” above bottom of slab. Unless otherwise directed by the Project Manager, all sidewalks to be 7 foot minimum width to allow for snow plows.

All sidewalks to be sloped to drain.

Bedding or subgrade for outside flatwork should be a compactible open binder (no fines)(CA7), 4” thick. Within the dripline of existing trees, use 2” coarse sand minimum depth.

Use state specification curb mix for all new curbs, 6 ½ bag mix on all other outside flatwork.

All new concrete work when temperatures allow must have a cure and seal applied to surfaces.

Expansion joint material should be ½” thick, rubber and full depth of slab (“Proflex” joint filler) and ½” dia. x 20” long steel slip dowels and caps at 12” on center.

Cover and protect all outside concrete work with insulated blankets, when outside temperatures are lower than 38 degrees Fahrenheit for a minimum of 3 days.

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