

CONCRETE PROTECTION AND STRENGTH REQUIREMENTS (Revised 10/05/11)

CITY OF LINCOLN SPECIFICATIONS (2011)

WORK	DESCRIPTION	SPECIFICATION	SECTION
PAVEMENT	Form Removal	12 hrs.	4.03.B
	Opening to traffic or heavy eqpmt. Also for driveways, sidewalks, bikeways Also for curb and median	3000 psi or 7 days	4.07.B
BASE	Opening to traffic or heavy equipment LB-2750	2250 psi or 7 days	5.06.B
	L-3500	3000 psi or 7 days	
STRUCTURES	Backfilling against	2000 psi	20.02.D
REINFORCED BOX	Form removal - walls	12 - 24 hrs.	21.06.B
STORM SEWERS AND STRUCTURES	Form removal - roof	3000 psi (Field Cured Cyl.) or 7 days and avg. temp. of 55F for 12 hrs.	21.06.B
	Backfilling against	2000 psi	20.02.D
	Backfilling over	3000 psi. or 17 days&min. avg. temp. 45 F or 8 days&min. avg. temp. 55 F or 5 days&min. avg. temp. 73 F	21.06.D.5
TRAFFIC SIGNAL AND STREET LIGHTING FOUNDATIONS	Backfilling against	2000 psi	20.02.D
	Setting poles	2500 psi or 72 hrs.	24.00.I.1
	Installing mast arms	3000 psi or 7 days	24.00.I.1

STATE OF NEBRASKA SPECIFICATIONS (2007)

WORK	DESCRIPTION	SPECIFICATION	SECTION
PAVEMENT (drives, sidewalks, bikepath, median)	Opening to traffic or Contractor's forces	14 days or 4 days and 3500 psi	603.03.11.C
	(Added cement or lowered w/c for early strength)	48 hrs. and 3500 psi	603.03.11.D
BASE	Opening for hauling and placing surface course	14 days or 7 days and 3000 psi	604.04.5.A
CURB & GUTTER	Form removal	12 hrs.	606.03.10
REPAIR	Opening to traffic or heavy equipment Class PR1-3500 and PR3-3500 (See table 605.03 for additional restrictions)	3000 psi	605.04.20.A
	Class 47B-3500 (See table 605.04 for additional restrictions)	3000 psi	605.04.21.A
STRUCTURES	Backfilling against	2000 psi	702.03.3.a.6
CONSTRUCTION	Substructure for superstructure	2000 psi	704.03.2.c
	Falsework & bracing removal	2000 psi	704.03.9.b
	Minimum formed time when no tests available		Table 704.02
	Floor slabs	7 days	
	Walls	14 days	
	Columns & Box culvert slabs	7 days	
	Successive pours	2000 psi	704.03.10.O
Form removal When temp. below 40 F using insulated forms	5 days	704.03.14.b.3	
BRIDGE FLOORS	Opening to construction equipment	5 days and 3500 psi	706.03.15.b
	Open to traffic	7 days and plan psi	706.03.15.a

NOTE: This is a guide current with the 2011 City of Lincoln Standard Specifications for Municipal Construction and the 2007 State of Nebraska Standard Specifications for Highway Construction. Refer to the indicated Sections in each book for additional information.