AGC Construction Industry Conference
December 11, 2013

NEW YORK WORKS D262027

ACCELERATED VS. NORMAL CONSTRUCTION

SLATE HILL CONSTRUCTORS

Demolition using blankets and underdecking

Removal of demo tarps


PC
200
HD
KOMATSU
KOBELCO


TOOLCARRIER

Demolition by dropping the debris

Stud and angle installation


JCSmith, Inc
KOBELCO


Exit 14
Texas Ave F

Working around the weather


OPEN HOUSE

Forming

Sample											
Theoretical Top of Slab (After Grinding)	418.79	418.62	418.43	418.29	418.15	418.01	417.87	417.73	417.59	417.43	417.29
Computed Bottom of Slab (8 3/4 " Deck)	418.06	417.89	417.70	417.56	417.42	417.28	417.14	417.00	416.86	416.70	416.56
(A) Req'd Bottom of Slab Elevation	418.06	417.89	417.70	417.56	417.42	417.28	417.14	417.00	416.86	416.70	416.56
(B) Top of Steel El. (Field Measure)	418.05	417.86	417.66	417.51	417.37	417.19	417.06	416.95	416.83	416.68	416.55
(C) = (A) - (B)	0.01	0.03	0.04	0.05	0.05	0.09	0.08	0.05	0.03	0.02	0.01
(D) Concrete + S.D.L. Deflection	0.00	0.01	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.01	0.00
(E) = (C) + (D) Depth of Haunch Req'd	0.01	0.04	0.06	0.07	0.08	0.12	0.11	0.07	0.05	0.03	0.01

You need to put in the Top of Steel elevation before any formulas work ok on this spread sheet.

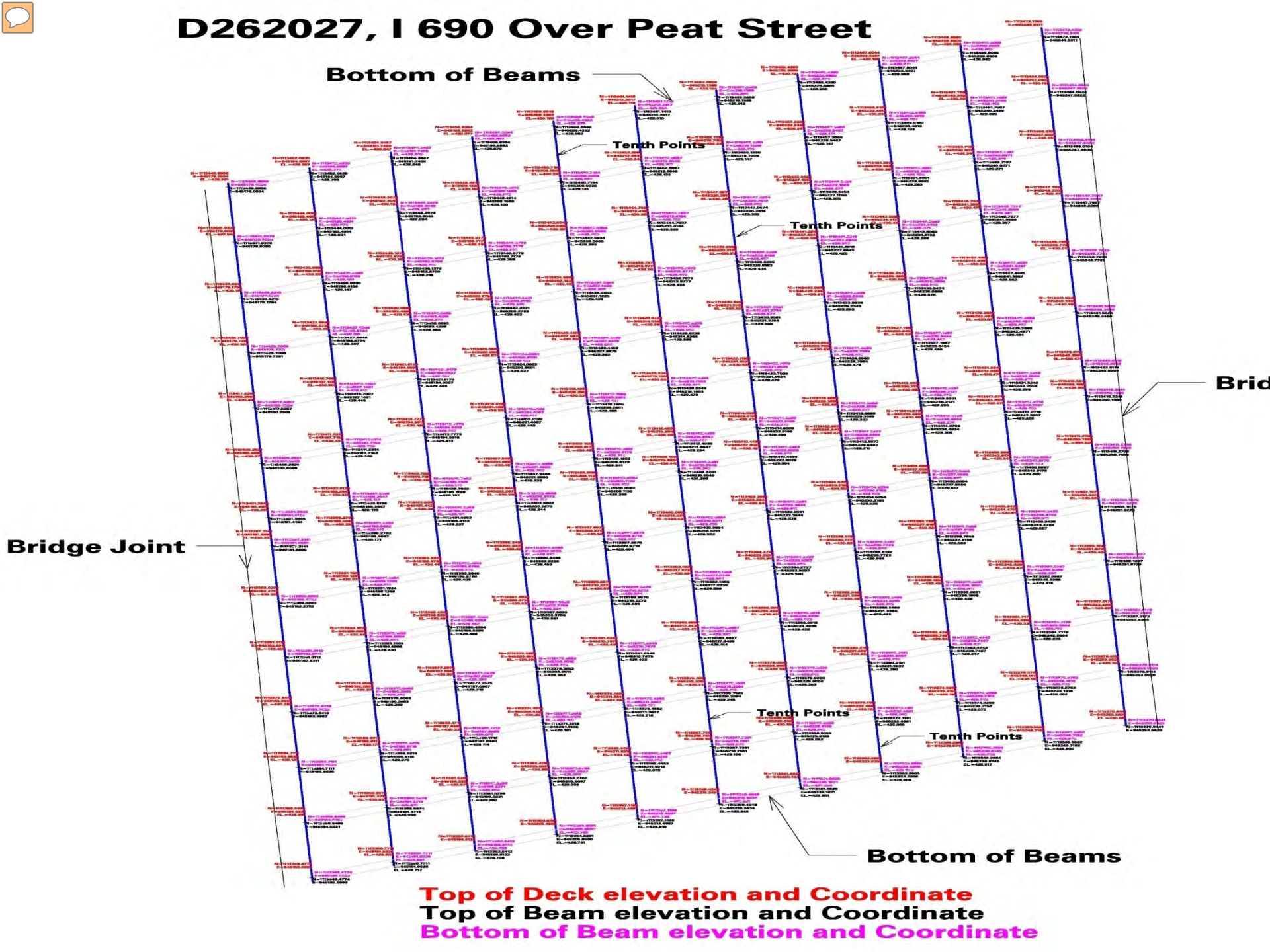
D262027

Route 31 Brutus

BIN 1021850 New Deck Thickness 8.75 Inches

	Span 1										
	C.L. of Bearings Begin Abutment	0.1 L1	0.2 L1	0.3 L1	0.4 L1	0.5 L1	0.6 L1	0.7 L1	0.8 L1	0.9 L1	C.L. of Bearings Pier 1
Girder 1											
Theoretical Top of Slab (After Grinding)	418.72	418.57	418.43	418.29	418.15	418.01	417.87	417.73	417.59	417.45	417.31
Computed Bottom of Slab (8 3/4 " Deck)	417.99	417.84	417.70	417.56	417.42	417.28	417.14	417.00	416.86	416.72	416.58
(A) Req'd Bottom of Slab Elevation	417.99	417.85	417.71	417.56	417.42	417.28	417.14	417.00	416.86	416.72	416.58
(B) Top of Steel El. (Field Measure)											
(C) = (A) - (B)	417.99	417.85	417.71	417.56	417.42	417.28	417.14	417.00	416.86	416.72	416.58
(D) Concrete + S.D.L. Deflection	0.00	0.01	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.01	0.00
(E) = (C) + (D) Depth of Haunch Req'd	417.99	417.86	417.73	417.58	417.45	417.31	417.17	417.02	416.88	416.73	416.58
Girder 2											
Theoretical Top of Slab (After Grinding)	418.81	418.67	418.53	418.39	418.25	418.10	417.96	417.82	417.68	417.54	417.40
Computed Bottom of Slab (8 3/4 " Deck)	418.08	417.94	417.80	417.66	417.52	417.37	417.23	417.09	416.95	416.81	416.67
(A) Req'd Bottom of Slab Elevation	418.08	417.94	417.80	417.66	417.52	417.38	417.24	417.09	416.95	416.81	416.67
(B) Top of Steel El. (Field Measure)											
(C) = (A) - (B)	418.08	417.94	417.80	417.66	417.52	417.38	417.24	417.09	416.95	416.81	416.67
(D) Concrete + S.D.L. Deflection	0.00	0.01	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.01	0.00
(E) = (C) + (D) Depth of Haunch Req'd	418.08	417.95	417.82	417.69	417.55	417.41	417.27	417.12	416.97	416.82	416.67
Girder 3											
Theoretical Top of Slab (After Grinding)	418.90	418.76	418.62	418.48	418.34	418.20	418.06	417.92	417.78	417.63	417.49
Computed Bottom of Slab (8 3/4 " Deck)	418.17	418.03	417.89	417.75	417.61	417.47	417.33	417.19	417.05	416.90	416.76
(A) Req'd Bottom of Slab Elevation	418.17	418.03	417.89	417.75	417.61	417.47	417.33	417.19	417.05	416.91	416.77
(B) Top of Steel El. (Field Measure)											
(C) = (A) - (B)	418.17	418.03	417.89	417.75	417.61	417.47	417.33	417.19	417.05	416.91	416.77
(D) Concrete + S.D.L. Deflection	0.00	0.01	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.01	0.00
(E) = (C) + (D) Depth of Haunch Req'd	418.17	418.04	417.91	417.78	417.64	417.50	417.36	417.22	417.07	416.92	416.77
Girder 4											
Theoretical Top of Slab (After Grinding)	418.84	418.68	418.52	418.38	418.24	418.10	417.96	417.81	417.67	417.53	417.39
Computed Bottom of Slab (8 3/4 " Deck)	418.11	417.95	417.79	417.65	417.51	417.37	417.23	417.08	416.94	416.80	416.66
(A) Req'd Bottom of Slab Elevation	418.12	417.95	417.79	417.65	417.51	417.37	417.23	417.09	416.94	416.80	416.66
(B) Top of Steel El. (Field Measure)											
(C) = (A) - (B)	418.12	417.95	417.79	417.65	417.51	417.37	417.23	417.09	416.94	416.80	416.66
(D) Concrete + S.D.L. Deflection	0.00	0.01	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.01	0.00
(E) = (C) + (D) Depth of Haunch Req'd	418.12	417.96	417.81	417.68	417.54	417.40	417.26	417.12	416.96	416.81	416.66
5											
Theoretical Top of Slab (After Grinding)	418.79	418.62	418.43	418.29	418.15	418.01	417.87	417.73	417.59	417.43	417.29
Computed Bottom of Slab (8 3/4 " Deck)	418.06	417.89	417.70	417.56	417.42	417.28	417.14	417.00	416.86	416.70	416.56

D262027, I 690 Over Peat Street



Top of Deck elevation and Coordinate

Top of Beam elevation and Coordinate

Bottom of Beam elevation and Coordinate


Exit 14
Texas Ave F


OPEN HOUSE

W.E. Cutting the back wall

Back Wall After Horizontal Saw Cut


HP 3000
ABF


RENTED
Anderson
EQUIPMENT COMPANY
ROSCO
23638

Panel installation


Christian Brothers Acade
OPEN HOUS
Sunday, October 28
grades 7-12
manac


CAUTION

Studs in longitudinal pockets of Ductal

Steel angles and end dams

Shorter Studs and Shim packs


JCSmith, Inc


LOWES
SaveWithExcellus.com
Excellus


TOWPATH
8690
315·252·8620

NELSON
NELSON
NELSON
NELSON
NELSON
NELSON


PINCH
POINT


PINCH POINT
PINCH POINT


PACKAGED ICE
CRYSTAL CLEAR ICE
ICE

Placement of Ductal


LOWE

New chimneys and plywood strips


CALIBRATION

The chimneys after form removal

The new chimneys

The new chimney, after removal

The tenting


3633
600S
UNIVERSAL

Tenting underneath


C
C


C

Incidental Forming

Diamond Grinding


Avoid Back Surgery...
Herniated Disc - Degenerative Disc
954-0656