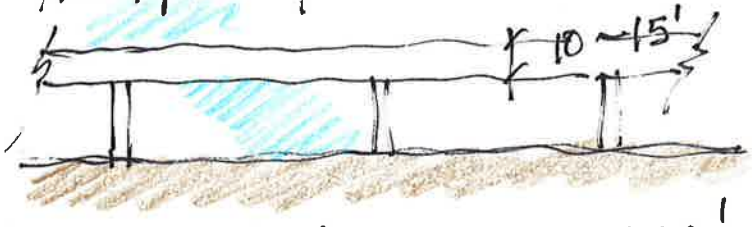
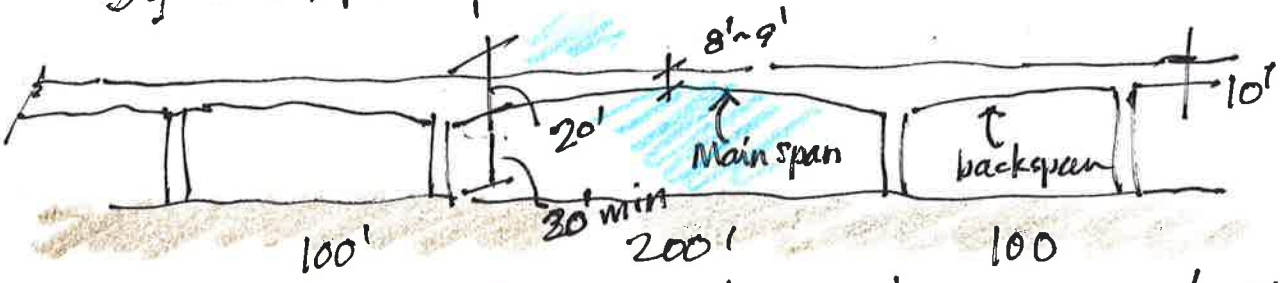
Families - Superstructure - SPANS

4/18/11 SD

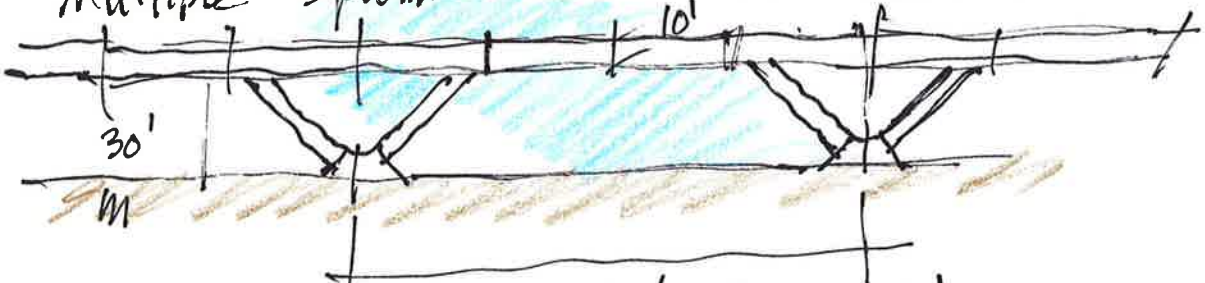
Multiple Spans 100m ~ 150m CONSTANT DEPTH BOX

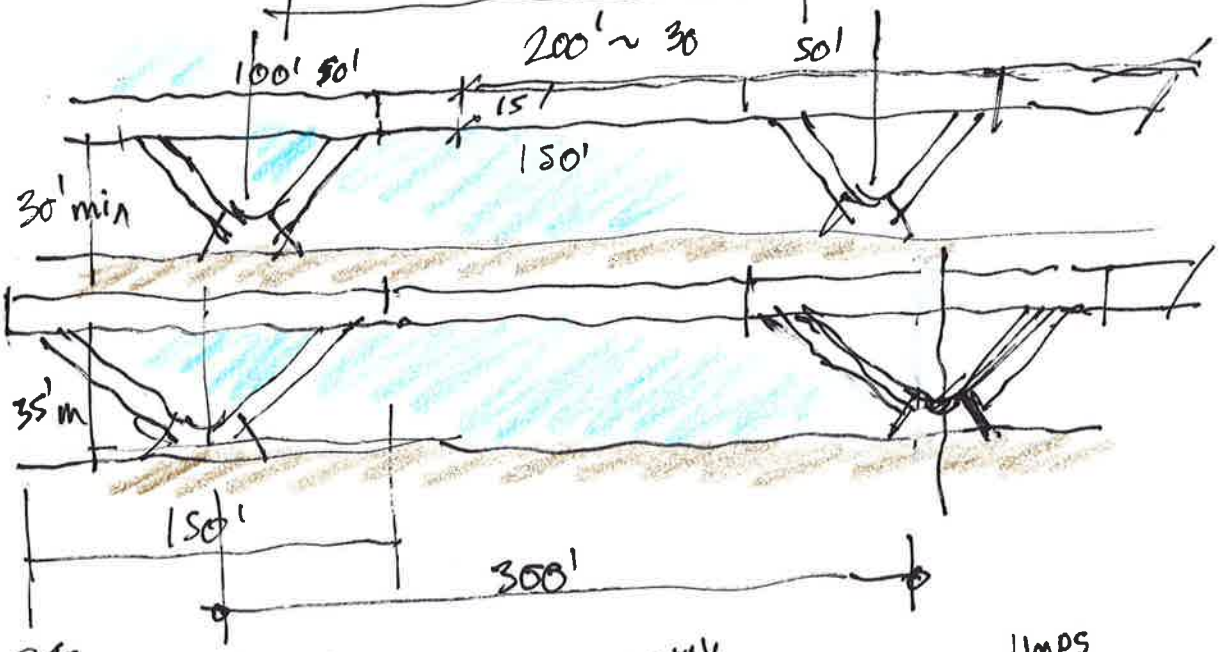


S'g Multiple spans 200' ~ 450' HAUNCHED BOX

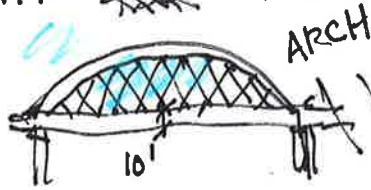


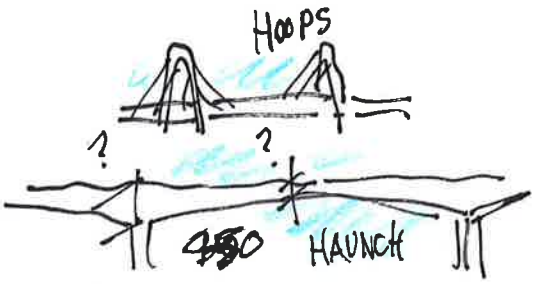
Multiple spans 200' ~ 300' DELTA COL'S W. CDB





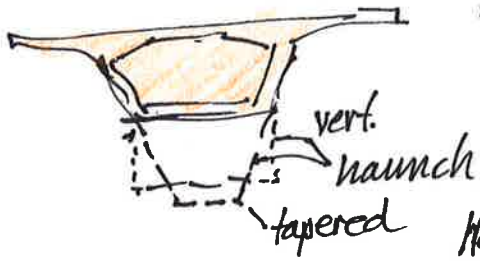
LONG SPAN ~~350~~ 340 — 700'

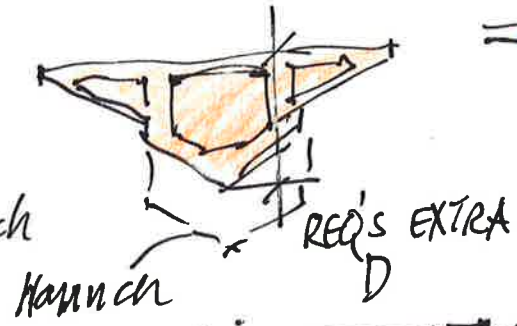


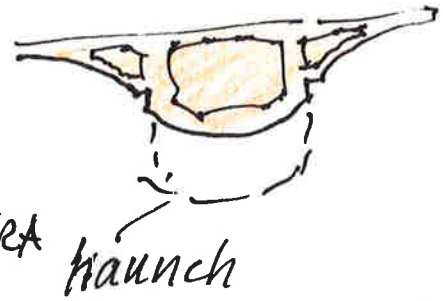


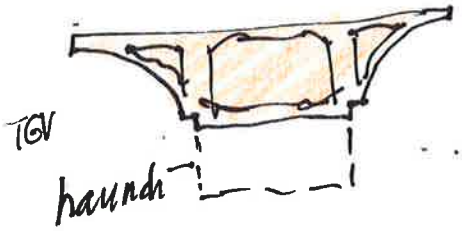
FAMILIES – COLUMNS

BOXES

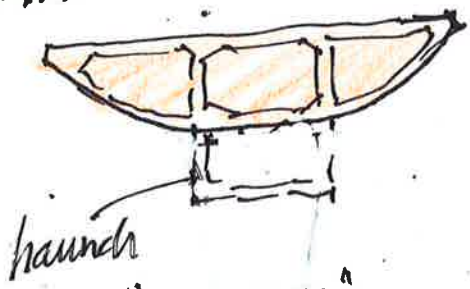




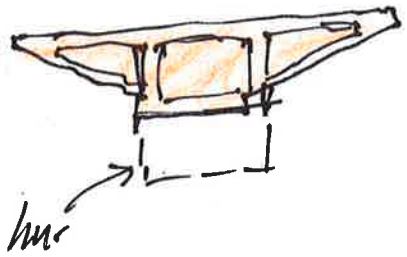




HYBRID



"280 BOX"



SFOBB BOX

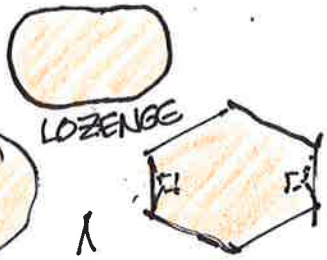
COL'S

OCTOGON

REGTANGU

"SQ" OCTOGON

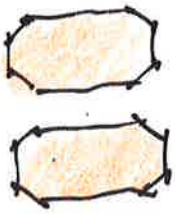
ROUND



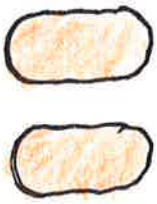
HEXAGON

DOYLE DR

ELLIPSE



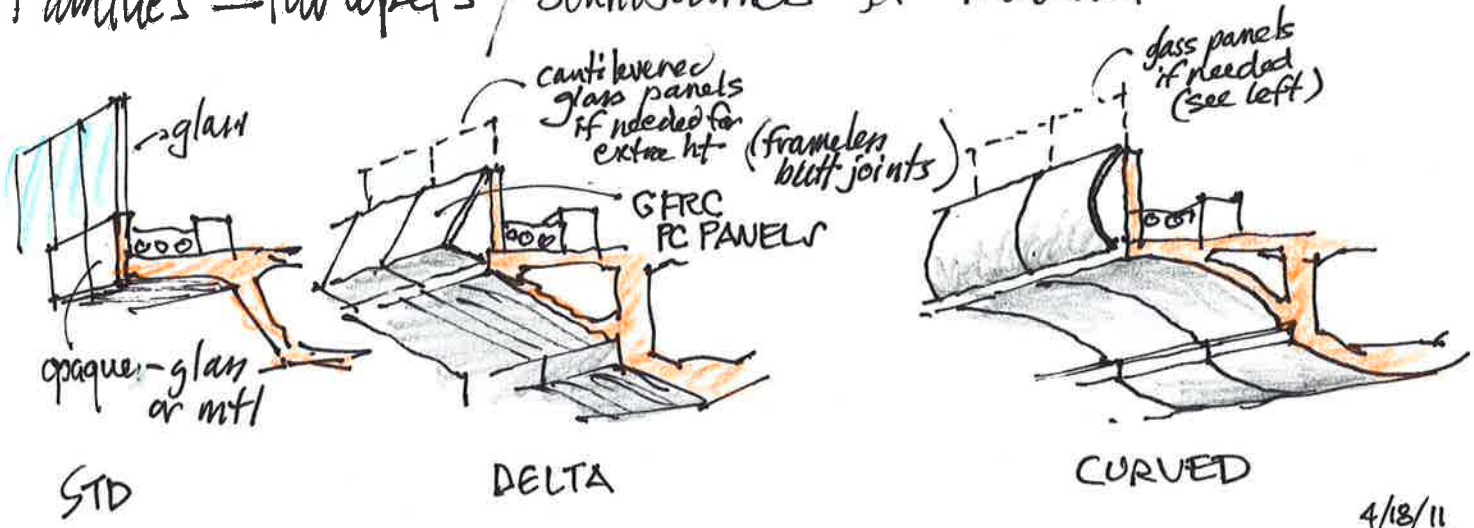
PAIR W CHAMFER



PAIR W ROUNDED ENDS

4/18/11
sd

Families — Parapets / Soundbarriers for Viaduct

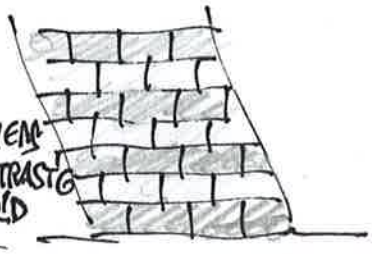


4/18/11
SD

Families — Walls

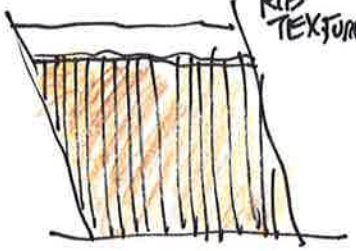
4/18/11
SD

EX: ALT. LAYERS OF CONTRASTING COLORED BLOCK



BLOCK
RIBBED
SPLIT-FACE
FRACTURED FIN
PLAIN

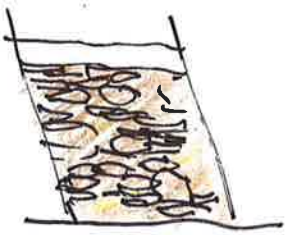
EX: COLORED CONC. W. RIB TEXTURE



POURED CONC
RIBBED
FRACTURED FIN
ETC.

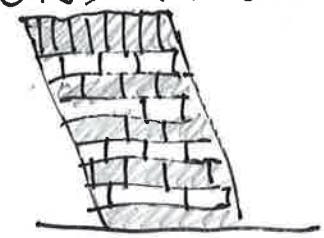
EX: Ashlar Stone pattern

PC CONC
MSE PANELS
FORMLINERS GIVE 100's OF CHOICES



STONE VENEER
BRICK
TILE

SOUND WALLS

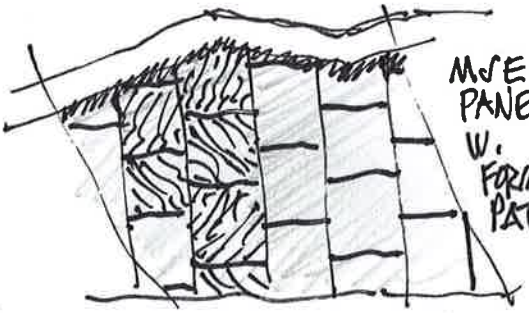


BLOCK
see above

PC CONC POSTS

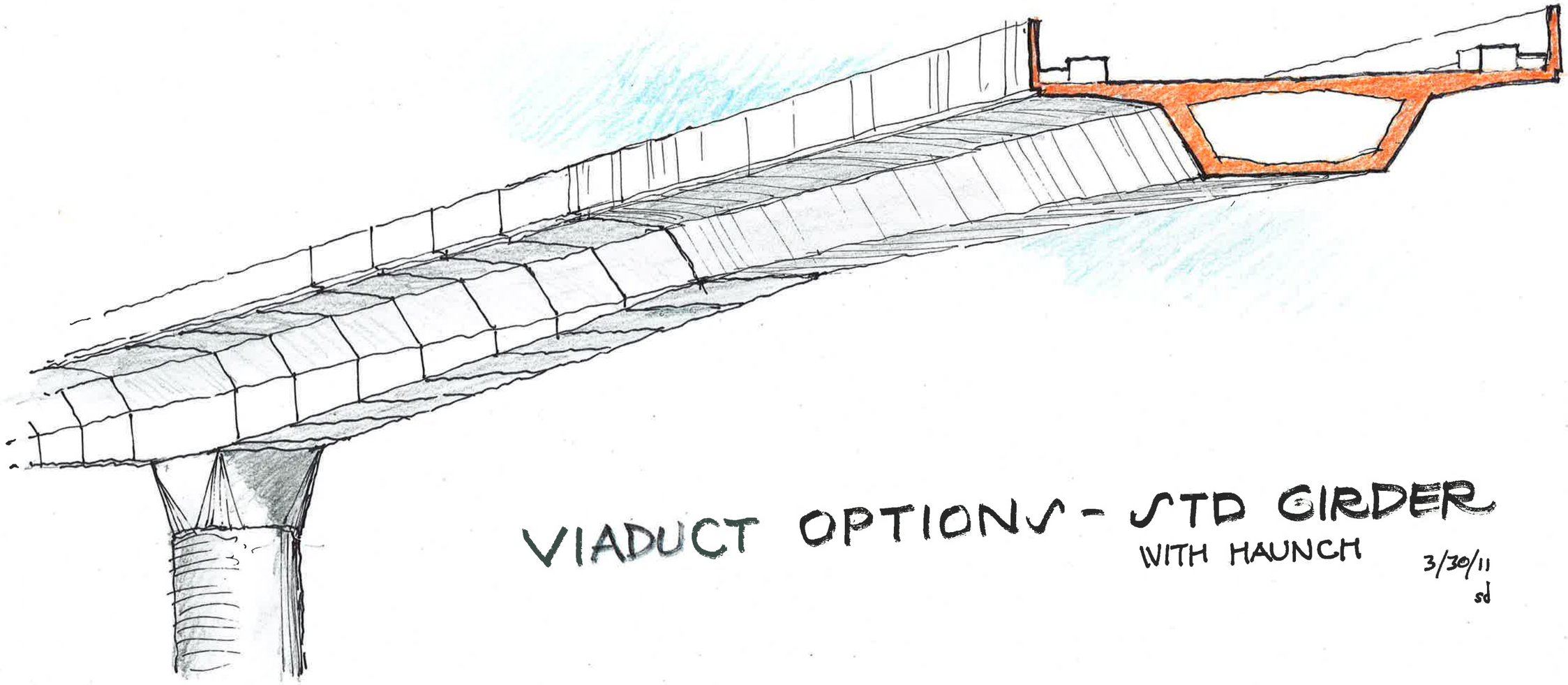
PC CONC
PANELS
RIBBED, FRACTURED FIN
ETC

RETAINING WALLS



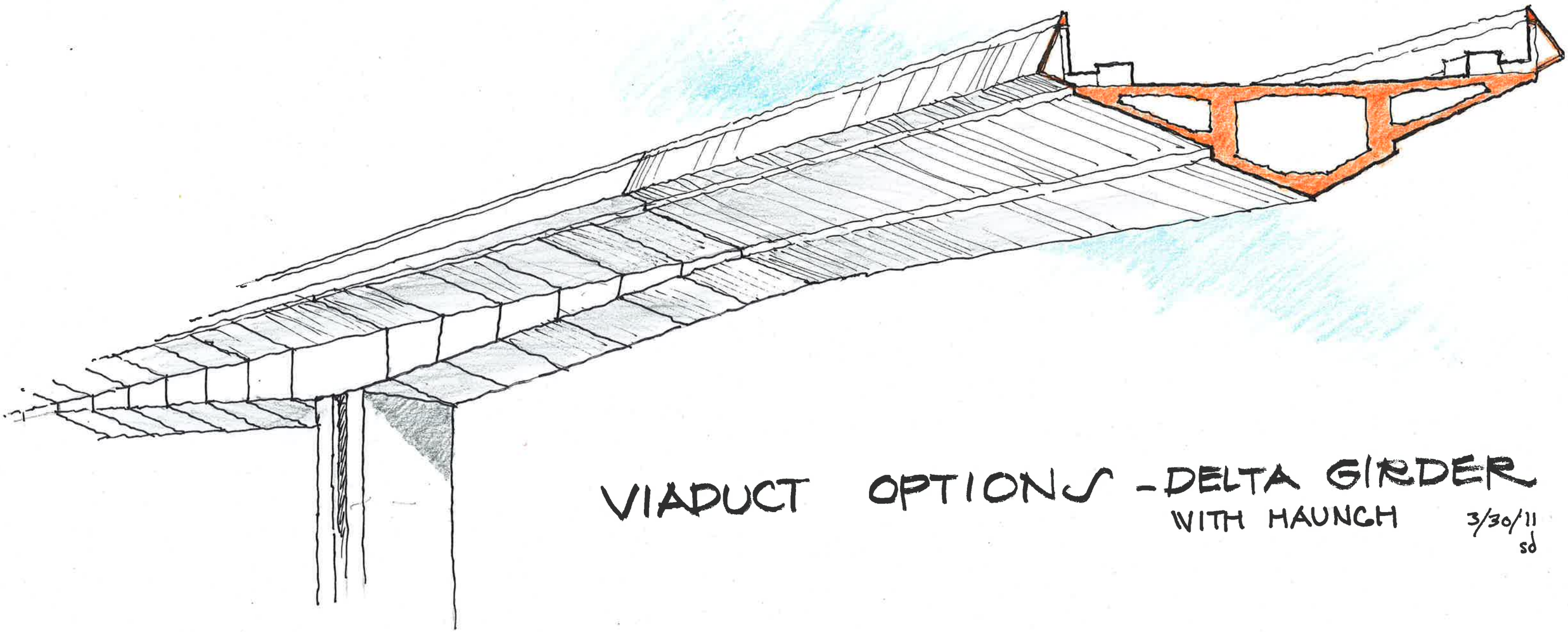
MSE
PANELS
W.
FORMLINER
PATTERN

SHOT CRETE
W.
ROCK PATTERN
& COLOR



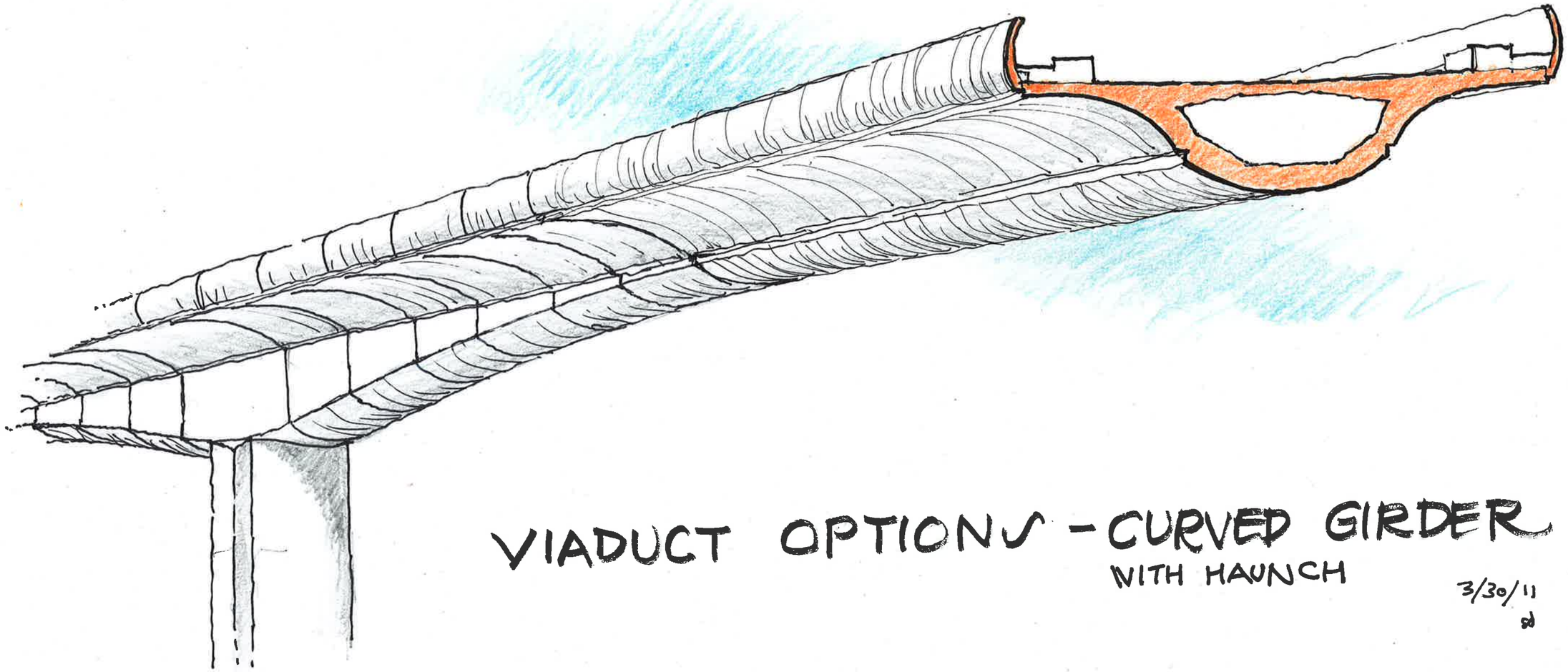
VIADUCT OPTIONS - STD GIRDER
WITH HAUNCH

3/30/11
sd



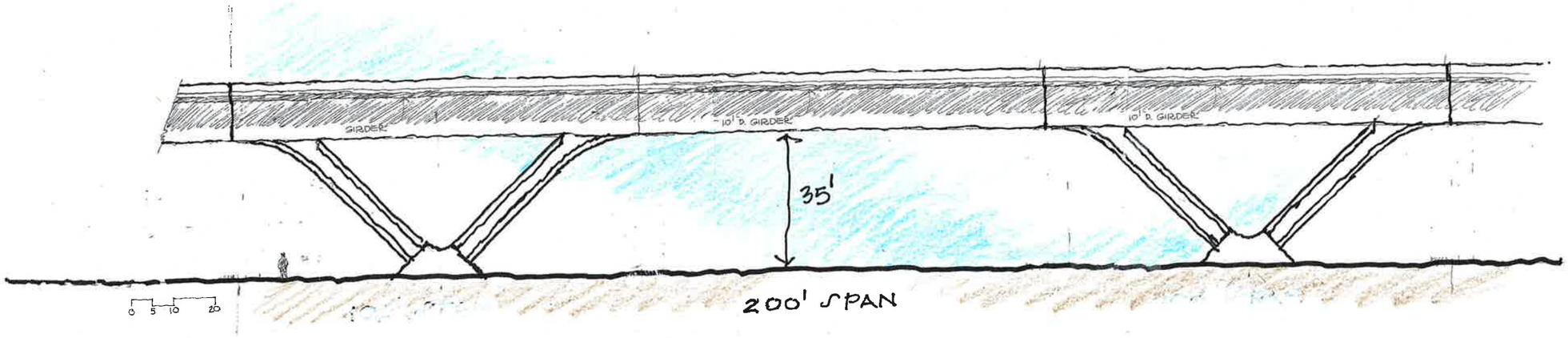
VIADUCT OPTIONS - DELTA GIRDER
WITH HAUNCH

3/30/11
sd

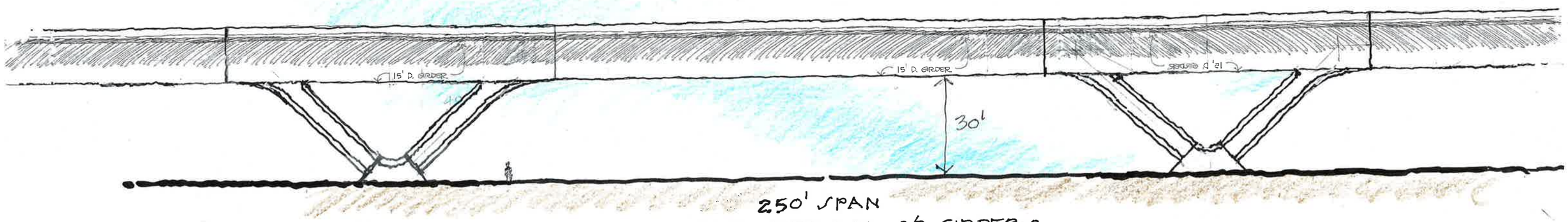


VIADUCT OPTIONS - CURVED GIRDER
WITH HAUNCH

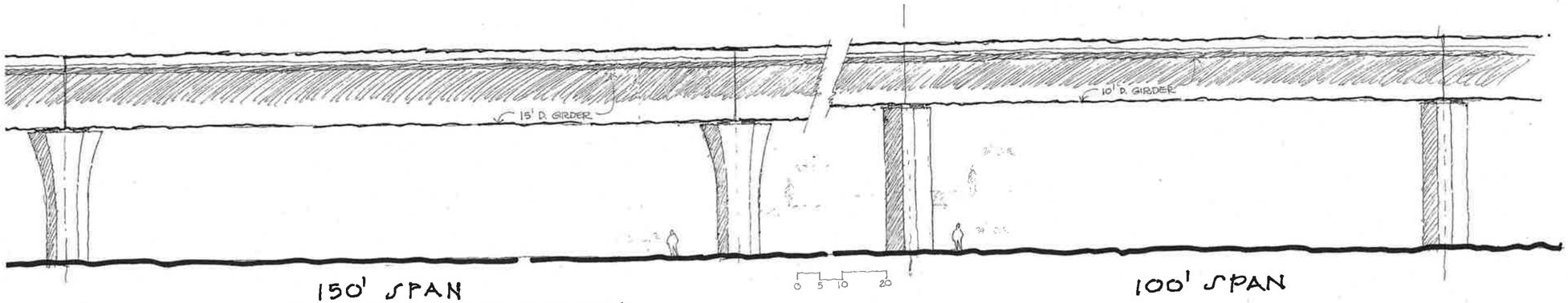
3/30/11
sd



200' SPAN

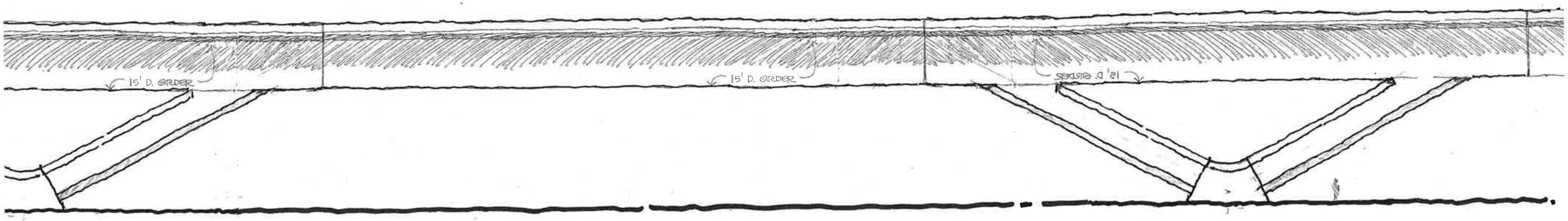


250' SPAN
DELTA PIERS W. C/D GIRDERS



150' SPAN
CONSTANT DEPTH GIRDER

100' SPAN



300' SPAN
DELTA PIERS W. C/D GIRDERS

STUDIES 4/18/11