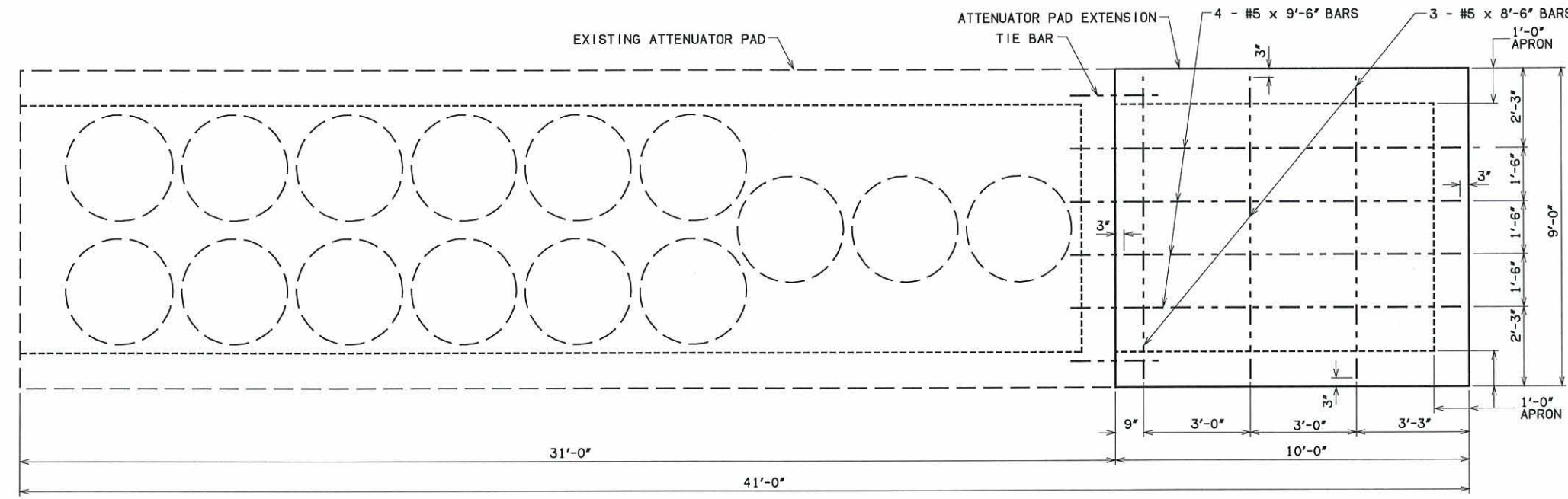
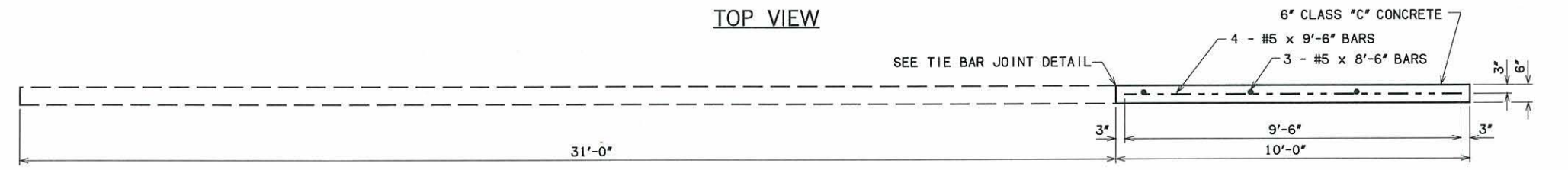


DESCRIPTION	REVISIONS	DATE

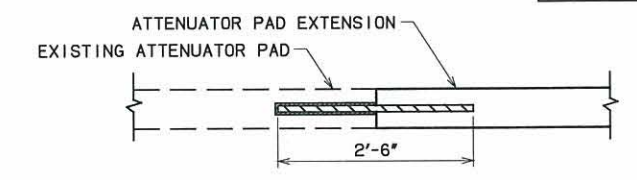


TOP VIEW



SIDE VIEW

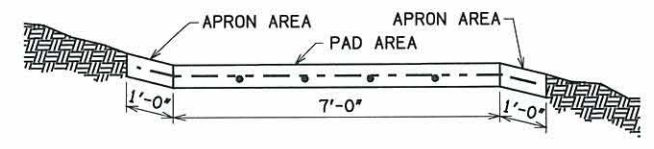
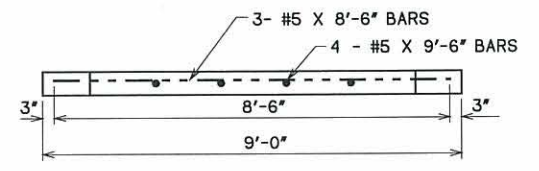
EXISTING ATTENUATOR PAD EXTENSION



TIE BAR JOINT DETAIL

TIE BARS WILL BE EPOXIED INTO DRILLED HOLES. EACH DRILLED HOLE SHALL BE PLACED WITH SUFFICIENT EPOXY TO COMPLETELY FILL THE VOID BETWEEN THE TIE BAR AND THE HOLE.

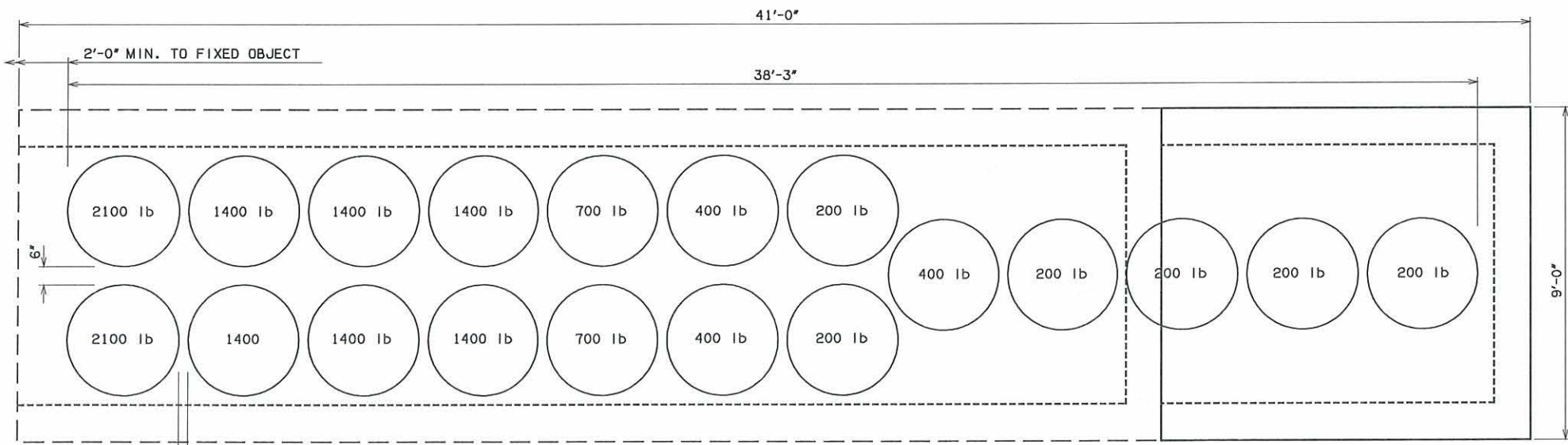
TIE BARS -- NO. 5 DEFORMED REINFORCING STEEL BARS, 30" LONG, SHALL BE EPOXIED INTO 3/4" DIAM. (MAX.) DRILLED HOLES AT 18" C/C.



END VIEW ATTENUATOR PAD

GENERAL NOTES:

- ALL EXISTING SAND FILLED IMPACT ATTENUATION MODULES MAY BE USED IN THE MODIFIED FORMATION. ANY EXISTING DAMAGED MODULES OR MODULES DAMAGED IN THE MODIFICATION SHALL BE REPLACED AS DIRECTED BY THE ENGINEER.
- THE ATTENUATOR PAD MAY BE SLOPED 1/2" PER FOOT PERPENDICULAR TO THE DIRECTION OF TRAVEL TO AVOID UNDESIRABLE EXCAVATION OF MEDIAN SLOPE.
- APRON AREA MAY BE PLACED INTEGRAL OR SEPARATE FROM PAD AND MAY BE SLOPED TO FIT EXISTING GROUND CONTOUR.
- ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
- THE NUMBER INSIDE THE CIRCLE DENOTES THE SAND MASS WEIGHT (IN POUNDS) PER MODULE.
- FOR CONSTRUCTION SEQUENCE SEE STANDARD IAI-1-(LATEST REVISION).
- ALL MODIFICATION TO EXISTING MODULES SHALL BE INCLUDED IN THE COST OF NEW MODULES.
- DESIGN VELOCITY = 70 MPH.



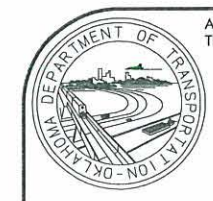
TOP VIEW

NEW SAND FILLED IMPACT ATTENUATORS

(SEE NOTE 7)

BASIS OF PAYMENT			
ITEM NO.	ITEM	UNIT	TOTAL
509(D)	CLASS 'C' CONCRETE	C.Y.	1.67
511(A)	REINFORCING STEEL	LB.	79.00
870(A)	SAND FILLED IMPACT ATTEN. MODULE	EA.	4.00

QUANTITIES PER ATTENUATOR PAD EXTENSION



APPROVED BY TRAFFIC ENGINEER: *David J. Smart* DATE: 8/15/12

TRAFFIC STANDARD
MODIFICATION OF EXISTING
IMPACT ATTENUATOR
FOR 70 MPH DESIGN VELOCITY
(SAND FILLED)