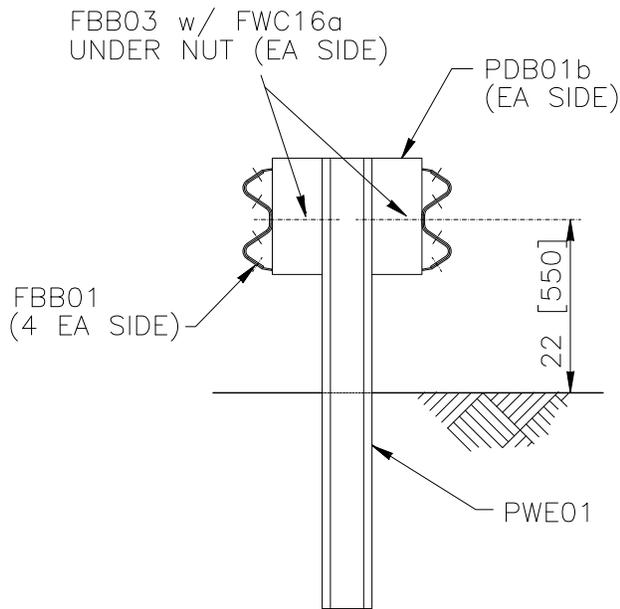
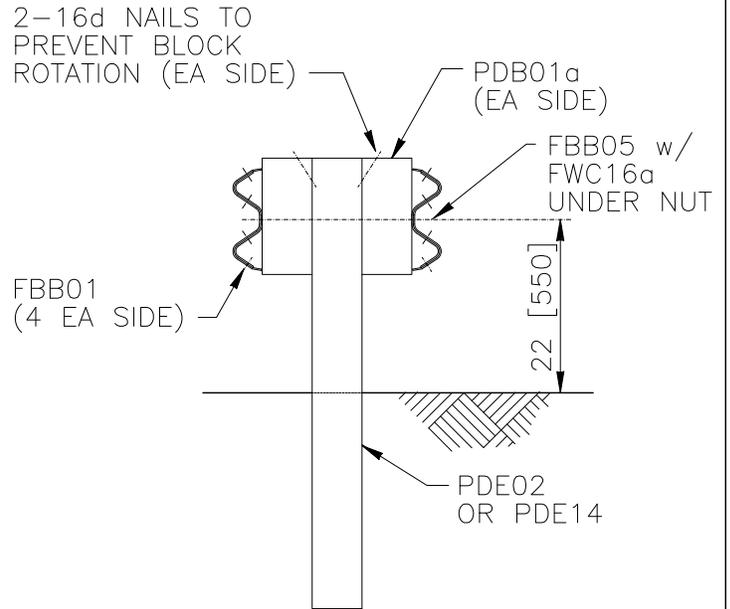


ELEVATION



SGM04a



SGM04b

1994

STRONG-POST W-BEAM MEDIAN BARRIER



SGM04a-b

SHEET NO.

DATE:

1 of 2

7/06/05

INTENDED USE

Strong-post W-beam median barriers should be used in locations where a maximum dynamic deflection of 24 inches [600 mm] or less is acceptable. W-beam barriers should be anchored and terminated using a suitable end treatment. Both SGM-04a (steel posts) and SGM-04b (timber posts) with wood or approved plastic blockouts are Test Level 3 barriers.

COMPONENTS

Unit length = 150 inches [3810 mm]

Designator	Component	System	Number
FBB01	Splice bolt and nut	a-b	16
FBB03	Guardrail-post bolt and nut	a	4
FBB05	Guardrail-post bolt and nut	b	2
FWC16a	Round washer	a,b	4,2
PDB01a	Timber post blockout	b	4
PDB01b	Timber post blockout	a	4
PDE02	Timber post	b	2
or PDE14	Round timber post	b	2
PWE01	Steel post	a	2
RWM02a	W-beam rail	a-b	2

APPROVALS

FHWA Acceptance Letter B-64, 2/14/00.

REFERENCES

J.D. Michie and M.E. Bronstad, *Location, Selection and Maintenance of Highway Traffic Barriers*, National Cooperative Highway Research Program Report 118, Highway Research Board, 1971.

M.D. Graham, W.C. Burnett, J.L. Gibson, and R.H. Freer, *New Highway Barriers: The Practical Application of Theoretical Design*, Highway Research Record 174, Highway Research Board, 1967.

CONTACT INFORMATION

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STRONG-POST W-BEAM MEDIAN BARRIER

SGM04a-b

SHEET NO.

DATE

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