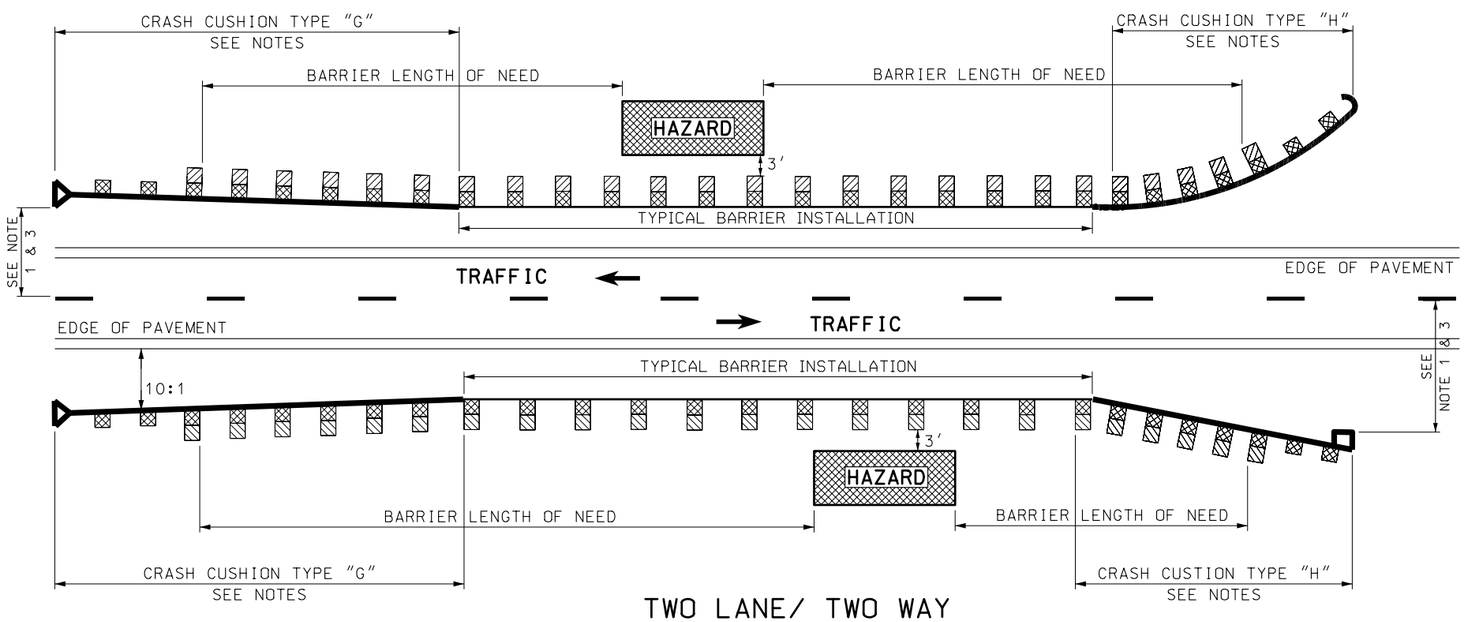


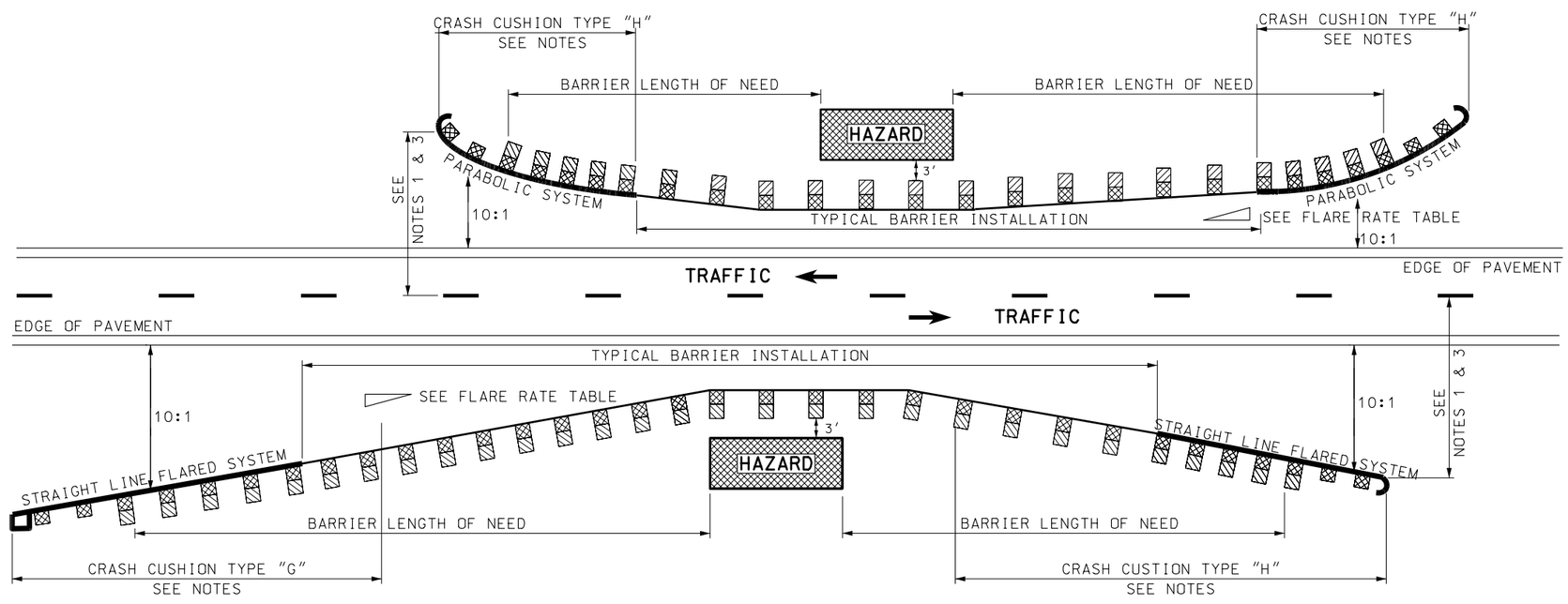
TWO LANE/ TWO WAY
TANGENT GUARDRAIL INSTALLATION
(DETAIL BA 4H-1)

NOTES:

1. USE CRASH CUSHION WHEN END OF GUARDRAIL INSTALLATION IS WITHIN 1.2 TIMES THE AASHTO REQUIRED CLEAR ZONE.
2. USE A CRASH CUSHION OR ANCHOR TYPE I WHEN END OF GUARDRAIL INSTALLATION IS EQUAL TO OR GREATER THAN 1.2 TIMES THE AASHTO CLEAR ZONE, FOR OPPOSING TRAFFIC.
3. CRASH CUSHIONS SHOWN ARE FOR ILLUSTRATION. TYPES "G" AND "H" CAN BE USED ON TANGENT OR FLARED GUARDRAIL INSTALLATIONS.
4. CONSIDER USING BURIED-IN-BACKSLOPE TERMINAL END WHEN CONDITIONS PERMIT.
5. CONSULT GUIDELINES FOR CRASH CUSHIONS AND STANDARD DRAWINGS, CC SERIES, FOR PROPER CRASH CUSHION SELECTION AND INSTALLATION.

FLARE RATE TABLE		
SPEED (MPH)	RATE OUTSIDE SHY LINE	* RATE INSIDE SHY LINE
≤35	7:1	13:1
40	8:1	16:1
45	10:1	18:1
50	11:1	21:1
55	12:1	24:1
60	14:1	26:1
65	15:1	30:1
≥70	15:1	30:1

* DESIGN EXCEPTION REQUIRED



TWO LANE/ TWO WAY
FLARED GUARDRAIL INSTALLATION
(DETAIL BA 4H-2)

REVISIONS

NO.	DATE	APPR.	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL — JAN.01,2005 DATE
CHAIRMAN STANDARDS COMMITTEE APPROVED — JAN.01,2005 DATE
DEPUTY DIRECTOR

W-BEAM GUARDRAIL
TYPICAL
2 LANE 2 WAY
STANDARD DRAWING TITLE

STD DWG
BA 4H

DGN File: N:\Esd\Standard_Drawings\Imperial\2005Approved\Barriers (BA)\ba04H.dgn
15-DEC-2004