

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR GUARDRAIL, TYPES A, B, BD, T, TD, TYPES A, B, BD, T, TD, MGS-8, & MGS-8D MGS-8, & MGS-8D SHEET 16 OF 17 7-26-2017 PLAN DATE R-60-J R-60-J 15 OF 17 DESIGN UNIT

## **EXISTING**

## FOR INFORMATION ONLY

ELEV

DO NOT WORK FROM THIS SHEET. THE INFORMATION SHOWN HERE IS FOR REFERENCE ONLY. NO PAY ITEMS ARE SHOWN.

						87	CHECKED BY	APPROVED:
					PLAN			
					PLAN			
								CHEMICES OF STREETS
					GRADE			
					ESTIMATE			
					ESTIMATE			
DESCRIPTION	0 R P	c ĸ o	APVI	DATE		****	* C * 1C *	
REVISIONS					FINAL			

OFFSET BLOCKS (TYPE BD) 6" x 1'-0" x 1'-3" OFFSET BLOCKS (TYPE TD) 6" x 1'-0" x 1'-10"-

VARIABLE WIDTH (FIELD BEND)

PAY ITEM: GUARDRAIL. TYPE BD (OR TD)

DETAIL SHOWING TRANSITION FROM GUARDRAIL, TYPE B (OR TYPE T)

TO GUARDRAIL, TYPE BD (OR TYPE TD)

(NO. REQ'D)

1

2

2

2

34 32°

POST BOLTS SPLICE BOLTS WASHERS

(114" LONG) (NO. REQ'D)

POST BOLTS, SPLICE BOLTS AND WASHERS
AT BEAM ELEMENT SPLICE POSTS AND AT INTERMEDIATE POSTS

1 91/2"

THRIE BEAN TRANSITIONS REQUIRE 20 SPLICE BOLTS EACH (12 ON TYPE T END AND 8 ON TYPE B END). ◆ EXCEPT AS SPECIFIED ON DETAIL SHOWING TRANSITION FROM GUARDRAIL. TYPE BUTTON TO GUARDRAIL. TYPE BUTTON TO FOST BOLTS SHALL NOT EXTEND MORE THAN 1√2 BEYOND MUT.

N/A 1 2°

N/A

WOOD WOOD 1 18"

STEEL WOOD 1 91/2"

W000 W000 1 \*261/2\* STEEL WOOD 2 91/2" WOOD WOOD 2 18"

STEEL 1000 2 91/2\*

W000 W000 2 +261/2\* STEEL WOOD 4 91/2"

ROUND WASHER

₩150

METAL TAG

FOR CURVED GUARDRAIL WITH RADIUS OF 150' OR LESS

NO. LENGTH REQ'D

CF TRAFFIC

DIRECTION ->

STANDARD WIDTH

W000

STEEL

APPROX. 6'-3"

PAY ITEM EACH SIDE: GUARDRAIL, TYPE 8 (OR T)

MINIMUM THREAD LENGTH

MINIMUM POST BOLT THREAD LENGTH

114" (SPLICE BOLT)

SEE CHART (POST BOLT)

SPLICE BOLT AND POST BOLT

11/16"

HORZ. (FT)

NUT

GUARDRAIL,

7-26-2017

PLAN DATE

MDOT

BOLT LENGTH

CITY OF DETROIT CITY ENGINEERING DIVISION - D.P.W. BUREAUS OF STREETS AND HIGHWAYS FOR

WEST PARKWAY CULVERT OVER ASHCROFT - SHERWOOD DRAIN

SHEET 20 OF 39 SHEETS CONTRACT NO. P PW-6987 ASSIGNMENT

**ROAD - DETAILS** 

01/24/2018