SUMMARY

CONCRETE BARRIER RAIL

STATION FROM	STATION TO	REMOVE CONCRETE BARRIER RAIL (each)	CONCRETE BARRIER RAIL - ANCHORED (each)	TALL CONCRETE BARRIER RAIL (each)	CONCRETE BARRIER RAIL TRANS. - ANCHORED (each)	ONE-WAY DEPART. CONC. BARRIER SECTION (each)	RESET CONCRETE BARRIER RAIL (each)	IMPACT ATTENUATOR LOW MAINTENANCE (each)	REMARKS
111+01.00	111+87.00	9	8		1				MEDIAN - TIE INTO EX. & TRANS. TO EX. CIP BARRIER
112+98.00	122+01.00	90	88		2				MEDIAN - TIE INTO EX. CIP BARRIER & TRANS. TO TALL BARRIER
120+95.00	122+85.00	19	18			1			LT.
120+97.00	122+57.00	16	15			1			RT.
122+01.00	136+51.00	145		144	1				MEDIAN - TALL CONCRETE BARRIER & TRANS. TO STD. BARRIER
126+80.00	141+40.00	146	145			1		1	RT.
136+51.00	142+61.00	61	61					1	MEDIAN - EMERGENCY TURNAROUND
144+19.00	149+39.00	52	51		1			1	MEDIAN - EMERGENCY TURNAROUND & TRANS. TO TALL BARRIER
145+40.00	214+56.00	692	692					1	RT. - CONNECT TO BRIDGE END
149+39.00	192+29.00	429		428	1				MEDIAN - TRANS. TO STD. BARRIER
192+29.00	197+19.00	49	49					1	MEDIAN - EMERGENCY TURNAROUND
199+09.00	204+29.00	52	51		1			1	MEDIAN - EMERGENCY TURNAROUND & TRANS. TO TALL BARRIER
199+76.00	214+56.00	148	147			1			LT. - CONNECT TO BRIDGE END
204+29.00	214+56.00	103		103					MEDIAN - CONNECT TO BRIDGE END
216+14.00	230+64.00	145		144	1				MEDIAN - TRANS. TO STD. BARRIER
216+14.00	227+24.00	111	110			1			RT. - CONNECT TO BRIDGE END
216+14.00	232+64.00	165	165					1	LT. - CONNECT TO BRIDGE END
230+64.00	235+54.00	49	49					1	MEDIAN - EMERGENCY TURNAROUND
237+29.00	248+19.00	109	108		1			1	MEDIAN - EMERGENCY TURNAROUND & TRANS. TO TALL BARRIER
243+47.00	259+27.00	158	157			1		1	LT.
248+19.00	283+20.00	350		350					MEDIAN - CONNECT TO EXISTING TALL BARRIER
248+75.00	283+25.00	345	344			1		1	RT.
264+95.00	271+15.00	62	61			1		1	LT.
287+00.00	289+90.00	29		29					MEDIAN - CONNECT TO EXISTING TALL BARRIER
106+20.00	110+00.00	38					38		CROSSOVER 1 (IDAHO) - REMOVE & RESET BARRIER (PHASE 1)
106+20.00	110+00.00	38					38		CROSSOVER 1 (IDAHO) - REMOVE & RESET BARRIER (PHASE 2)
427+20.00	431+00.00	38					38		CROSSOVER 2 - REMOVE & RESET BARRIER (PHASE 1)
427+20.00	431+00.00	38					38		CROSSOVER 2 - REMOVE & RESET BARRIER (PHASE 2)
TOTAL		3,686	2,319	1,198	9	8	152	12	

NOTE: SEE DETAILS FOR CONCRETE BARRIER ANCHORING.
*ADJUST TIE-IN STATATIONS AS NEEDED TO MATCH EXISTING CONDITIONS OR AS DIRECTED BY THE PROJECT MANAGER.
SEE CONCRETE BARRIER RAIL NOTE ON SHEET 2 FOR ADDITIONAL INFORMATION

RAMP & MEDIAN CROSSOVER *

STATION FROM	STATION TO	CROSSOVER - MEDIAN BARRIER RAIL (each)	REMARKS
106+20	110+00	2	CROSSOVER 1 (IDAHO) - REMOVE & REPLACE BARRIER (PHASE 1 & 2)
427+20	431+00	2	CROSSOVER 2 - REMOVE AND REPLACE BARRIER (PHASE 1 & 2)
		1	CLOSED MEDIAN RAMP CROSSOVER PHASE 1 @ RP 0.0
		1	CLOSED MEDIAN RAMP CROSSOVER PHASE 2 @ RP 0.0
TOTAL		6	

* SEE DETAIL

APPROACH PIPE (INCLUDED IN CULVERT SUMMARY RECAP)

STATION	BASIC BID ITEMS: CULVERT PIPE in	LENGTH OF PIPE (linear feet)	REMOVE PIPE CULVERT (linear feet)	RELAY PIPE CULVERT (linear feet)	CLEAN CULVERT PIPE (linear feet)	PIPE OPTIONS in: CONCRETE - CLASS 2	PIPE OPTIONS in: CONCRETE - CLASS 3	END SECTIONS: LEFT	END SECTIONS: RIGHT	HEIGHT OF COVER (linear feet)	SKEW ANGLE	CULVERT IN PL. in x ft	REMARKS
119+10	24	92	69.8				24	RACET	RACET	2.3	NONE	24" x 69.8' CMP	LT.
119+16	24	84	74.2				24	RACET	RACET	3.8	NONE	24" x 74.2' CMP	RT.
TOTAL	~	~	144.0	~	~	~	~	~	~	~	~	~	

SHEET NO.
RD-17

SUMMARY

PROJECT NAME: LOOKOUT PASS - EAST
COUNTY: MINERAL COUNTY
PROJECT ID: SSS-NHFP-IM-NHPB 90-1(251)0
UPN: 9487001

CHECKED BY	LFISCHER	6/29/23
REVIEWED BY	SMARSHALL	6/29/23
DESIGNED BY	BJOHNSON	6/29/23

9487000RDSUMZ01.DWG

MONTANA Department of Transportation
ROAD PLANS
1/8/2026 3:09 PM