GUARDRAIL ITEM DETAIL SUMMARY SHEET FOR HARTFORD-SHARON-ROYALTON IR 089-1(8)

MILE MARKER	MILE MARKER	POS.	AGGREGATE SHOULDERS CY	REPLACE GUARDRAIL BEAM UNIT EA	ADJUST GUARDRAIL HEIGHT LF	REPLACE GUARDRAIL POST ASSEMBLY EA	BIT. CONC. PAVT. TON	EARTH BORROW CY	TOPSOIL CY	R & R CURB LF GRANITE	REMOVAL OF CURB LF	TREATED TIMBER CURB LF	BIT. CONC. GUTTER & TRAF. ISLANDS TON	EXIST. GUARDRAIL (LF) STEEL BEAM	EXIST. GUARDRAIL (LF) CABLE	APPROACH RAIL REMOVAL OF EXIST. LF	APPROACH RAIL NEW LF	APPROACH RAIL NEW EA	GUARDRAIL ITEMS (LF) REMOVAL & DISPOSAL-621.80	GUARDRAIL ITEMS (LF) STEEL BEAM W/STL. PSTS 621.20	GUARDRAIL ITEMS (EA) M.T.S. 621.505	GUARDRAIL ITEMS (EA) REMOVAL & DISPOSAL GUARDRAIL POSTS 621.61	GUARDRAIL ITEMS (EA) STL. BM. ANCHOR 621.60	COMMON EXCAV. 203.15	STEEL BEAM GUARDRAIL W/6"STL. PSTS/MOD 621.20	SUB. OF DEN. GR. CRSH STONE CY 305.58	REMARKS
BRIDGES																											
I-89 UNDERPASSES *																											
BRIDGE	#2	0.04																									
T-78E	LT	(EAST)	14					18	2										155	162.5			1				USE G-1D FOR APPR.
	RT		21					18	2										350	350			1				USE G-1D FOR APPR.
T-78W	LT	(WEST)	26					18	2										455	475			1				USE G-1D FOR APPR.
	RT		20					18	2										315	325			1				USE G-1D FOR APPR.
BRIDGE	#7	3.27																									
T-46E	LT		13					18	2											137.5			1				USE STEEL BEAM W/G-1D FOR APPR.
	RT		10					18	2											62.5			1				USE STEEL BEAM W/G-1D FOR APPR.
T-46W	LT		10					18	2											62.5			1				USE STEEL BEAM W/G-1D FOR APPR.
	RT		13					18	2											137.5			1				USE STEEL BEAM W/G-1D FOR APPR.
BRIDGE	#9	4.30																									
T-10E	LT		2					18	2											52			1				WRAP STEEL BEAM INTO DRIVE
	RT		10					18	2											62.5			1				USE STEEL BEAM W/G-1D FOR APPR.
T-10W	LT		10					18	2											62.5			1				USE STEEL BEAM W/G-1D FOR APPR.
	RT		13					18	2											137.5			1				USE STEEL BEAM W/G-1D FOR APPR.
BRIDGE	#12N	8.02																									
T-13E	LT		13					18	2											137.5			1				USE STEEL BEAM W/G-1D FOR APPR.
	RT		3																	77			1				WRAP STEEL BEAM RAIL INTO PODUNK RD.
T-13W	LT																			187.5							STEEL BEAM BETWEEN BR. 12N & 12S
	RT																			175							STEEL BEAM BETWEEN BR. 12N & 12S
BRIDGE	#12S	8.02																									
T-13W	LT		10					18	2											62.5			1				USE STEEL BEAM W/G-1D FOR APPR.
	RT		13					18	2											137.5			1				USE STEEL BEAM W/G-1D FOR APPR.
BRIDGE	#14	12.34																									
T-11E	LT		29					18	2											550			1				REPLACE EX. CABLE W/STEEL BEAM W/G-1D & EXTEND TO BRIDGE
	RT		10					18	2											62.5			1				USE STEEL BEAM W/G-1D FOR APPR.
T-11W	LT		10					18	2											62.5			1				USE STEEL BEAM W/G-1D FOR APPR.
	RT		13					18	2											137.5			1				USE STEEL BEAM W/G-1D FOR APPR.
BRIDGE	#19	15.02																									
T-4E	LT		3																	64.5			1				WRAP STEEL BEAM INTO FIELD DRIVE
	RT		10					18	2											62.5			1				USE STEEL BEAM W/G-1D FOR APPR.
T-4W	LT		9					18	2											50			1				USE STEEL BEAM W/G-1D FOR APPR.
	RT		9					18	2											50			1				USE STEEL BEAM W/G-1D FOR APPR.
BRIDGE	#23	19.94																									
T-36E	LT		31					18	2										540	600			1				REPLACE EX. CABLE W/STEEL BEAM W/G-1D & EXTEND TO BRIDGE
	RT		10					18	2											62.5			1				USE STEEL BEAM W/G-1D FOR APPR.
T-36W	LT		10					18	2											62.5			1				USE STEEL BEAM W/G-1D FOR APPR.
	RT		13					18	2											137.5			1				USE STEEL BEAM W/G-1D FOR APPR.
BRIDGE	#24	21.28																									
T-6E	LT		9					18	2											50			1				USE STEEL BEAM W/G-1D FOR APPR.
	RT		25					18	2										470	450			1				REPLACE EX. CABLE W/STEEL BEAM W/G-1D & EXTEND TO BRIDGE
T-6W	LT		17					18	2										240	250			1				REPLACE EX. CABLE W/STEEL BEAM W/G-1D & EXTEND TO BRIDGE
	RT		20					18	2										320	325			1				REPLACE EX. CABLE W/STEEL BEAM W/G-1D & EXTEND TO BRIDGE
BRIDGE	#25	21.92																									
T-35E	LT		17					18	2										250	250			1				REPLACE EX. CABLE W/STEEL BEAM W/G-1D & EXTEND TO BRIDGE
	RT		15					18	2										190	200			1				REPLACE EX. CABLE W/STEEL BEAM W/G-1D & EXTEND TO BRIDGE
T-35W	LT		10					18	2										65	62.5			1				REPLACE EX. CABLE W/STEEL BEAM W/G-1D & EXTEND TO BRIDGE
	RT		12					18	2											125			1				USE STEEL BEAM W/G-1D FOR APPR.
I-89 OVERPASSES																											
BRIDGE	#8	3.93																									
US#4E	RT		2													25		1	50	50			1				REPLACE EX. APPR. RAIL & 50' OF EX. STEEL BEAM RAIL
	LT		14					18	2							25		1	50	25			1				REPLACE EX. APPR. RAIL BURY IN BACKSLOPE
US#4W	RT		15					18	2							175		1		162.5			1				REPLACE EX. APPR. RAIL ADD NEW ST. BEAM RAIL BURY IN BACKSLOPE
	LT		15					18	2							150		1		162.5			1				REPLACE EX. APPR. RAIL ADD NEW ST. BEAM RAIL BURY IN BACKSLOPE
BRIDGE	#10	6.54																									
T-36E	LT		13					18	2								25		42	137.5			1				EXTEND W/G-1D FOR APPR., AL. APPR. RAIL
	RT		10					18	2								25		42	62.5			1				EXTEND W/G-1D FOR APPR., AL. APPR. RAIL
T-36W	LT		15					18	2								25		225	200			1				EXTEND W/G-1D FOR APPR., AL. APPR. RAIL
	RT																25		20				1				AL. APPR. RAIL W/G-1D
BRIDGE	#21	17.52																									
T-13E	LT		33					18	2								25		638	650			1				EXTEND W/G-1D FOR APPR.
	RT		13					18	2								25		160	150			1				EXTEND W/G-1D FOR APPR.
T-13W	LT		10					18	2								25		33	62.5			1				EXTEND W/G-1D FOR APPR.
	RT		25					18	2								25		425	450			1				EXTEND W/G-1D FOR APPR.
SHEET 19 TOTALS:			648					792	88							375	200	4	5035	8531			48				

NOTE: REFER TO STANDARD G-16 FOR UNDERPASS GUARDRAIL ATTACHMENTS.

SEE REVISED SHEETS 12A – 18A

NOTE: M.T.S. = MANUFACTURED TERMINAL SECTION

GUARDRAIL ITEM DETAIL SHEET

DRAWN BY Ross DATE 9/94
SQUAD LEADER BOMBARDIER
DESIGN FILE NO. sada/87g008/da008gr.dgn
IPARM FILE da008g07.1 DATE PLOTTED 12-MAR-1999
PROJ. NAME Hartford-Sharon-Royalton
PROJ. NO. IM IR 089-1(8)
SHEET 19 OF 260 SHEETS