

HERS-STv5 DATA ITEMS

Data Development Categories (1-Easy, 2-Moderate, 3-Difficult)

Catgr	#	Description	Potential Source
1	1	Year of Record	Default
n/a	2	State Code ¹	Default
n/a	3	Route Identifier ¹	Database/Default
n/a	4	Beginning Point ¹	Database/Default
n/a	5	Ending Point ¹	Database/Default
n/a	6	Section Length	Calculated
1	7	Functional System	Database
1	8	Urbanized Code	Database/Default
1	9	Facility Type	Database/Maps
n/a	10	Structural Type	Default = 0
1	11	Access Control	Database/Calc
1	12	Governmental Ownership	USED??????
1	13	Number Of Through Lanes	Database/Maps
1	14	High Occupancy Vehicle Type	Database/Default
1	15	High Occupancy Vehicle Lanes	Database/Default
1	16	# Peak Lanes	Database/Calc
1	17	# Counter Peak Lanes (Urban Only)	Database/Calc
1	18	Right Turning Lanes (Urban Only)	Database/Maps
1	19	Left Turning Lanes (Urban Only)	Database/Maps
1	20	Posted Speed Limit	Database/Maps
n/a	21	Toll Charged	Not Used
n/a	22	Toll Type	Not Used
n/a	23	Route Number	Not Used
n/a	24	Route Signing	Not Used
n/a	25	Route Qualifier	Not Used
3	26	Annual Average Daily Traffic	Database
3	27	AADT, Single-Unit Trucks	Database
3	28	Peak Percent, Single-Unit Trucks	Database
3	29	AADT, Combination Trucks	Database
3	30	Peak Percent, Combination Trucks	Database
3	31	K-Factor	Database/Default
1	32	Directional Factor	Database/Default
3	33	Future AADT	Database
1	34	Year of Future AADT	Database
n/a	35	Type of Signalization	USED??????
1	36	Percent Green Time	Database/Default
1	37	Number of At-Grade intersections - Signals	Database
1	38	Number of At-Grade intersections - Stop Signs	Database
1	39	Number of At-Grade intersections - Other	Database
1	40	Lane Width	Database/Maps
1	41	Median Type	Database/Maps
1	42	Median Width	Database/Maps
1	43	Shoulder Type	Database/Maps
1	44	Right Shoulder Width	Database/Maps
1	45	Left Shoulder Width	Database/Maps
1	46	Peak Parking (Urban Only)	Database/Calc
n/a	47	Widening Obstacle	Not Used
1	48	Widening Potential	Database/Calc
3	49	Length of Class A Curves (Rural Only)	Database/Default
3	50	Length of Class B Curves (Rural Only)	Database
3	51	Length of Class C Curves (Rural Only)	Database
3	52	Length of Class D Curves (Rural Only)	Database
3	53	Length of Class E Curves (Rural Only)	Database

Catgr	#	Description	Potential Source
3	54	Length of Class F Curves (Rural Only)	Database
1	55	Type Of Terrain (Rural Only)	Database/Calc
3	56	Length of Class A Grades (Rural Only)	Database/Default
3	57	Length of Class B Grades (Rural Only)	Database
3	58	Length of Class C Grades (Rural Only)	Database
3	59	Length of Class D Grades (Rural Only)	Database
3	60	Length of Class E Grades (Rural Only)	Database
3	61	Length of Class F Grades (Rural Only)	Database
3	62	Percent Passing-Sight Distance (Rural Only)	Database/Calc
1-2	63	IRI ²	PMS
1-2	64	IRI Year	PMS
1-2	65	IRI Month	PMS
1-2	66	PSR ²	PMS
1-2	67	Surface/Pavement Type	PMS
1-2	68	Rutting	PMS
1-2	69	Faulting	PMS
1-2	70	Cracking Percentage	PMS
1-2	71	Cracking Length	PMS
1-2	72	Year of Last Improvement	PMS
1-2	73	Year of Last Construction	PMS
1-2	74	Last Overlay Thickness	PMS
1-2	75	Thickness, Rigid	PMS
1-2	76	Thickness, Flexible	PMS
1-2	77	Base Type	PMS
1-2	78	Base Thickness	PMS
1	79	General Climate Zone	Database/Default
1	80	Soil Type	Database/Default
1	81	County Code	Database
1	82	National Highway System	Default
1	83	Future Facility	Default
n/a	84	STRAHNET Type	Not Used
n/a	85	Designated Truck Route	Not Used
n/a	86	Volume/Service Flow Ratio ³	Not Used
n/a	87	Peak Capacity ³	Default = 0
n/a	88	Weighted Design Speed ³	Default = 0
n/a	89	Vertical Alignment Adequacy ³	Default = 0
n/a	90	Horizontal Alignment Adequacy ³	Default = 0
n/a	91	Volume Group	Not Used
n/a	92	Sample Expansion Factor	Default = 1
n/a	93	State Control Field ¹	
n/a	94	Local Cost Factor	Default = 1
n/a	95	User Defined Field 1 ¹	
n/a	96	User Defined Field 2 ¹	
n/a	97	User Defined Field 3 ¹	
n/a	98	User Defined Field 4 ¹	
n/a	99	Structure Number	Default = 5

(Items not used by HERS-ST are shaded blue and italic)

1. Variable copied to output files but not otherwise used by HERS-ST (values passed through).
2. HERS-ST requires either IRI or PSR. If both are provided, the PSR/IRI indicator identifies the value to be used.
3. Optional inputs - will be calculated by HERS-ST if not coded.