

# Connected Driver Feedback Sign

## Overview

Introducing the next generation of driver feedback signs. This smart driver feedback provides cellular connectivity and data collection to existing signs in the field. Using an AI-500-070, you can adjust the settings of your sign right from a smartphone or computer. Adjust radar feedback thresholds, flashing patterns, speed warnings, and much more.

Install this device into an adjustable speed threshold zones, such as a school zone for easy configuration of variable speed limits. Change the speed limit from 45 mph to 25 mph right from a smartphone, and your feedback sign adjusts automatically to the new speed limits.

## Active Safety

- ✓ Reporting features sent to central system including:
  - Median Speed
  - 85% percentile speed
  - 95% percentile speed
  - Volume of vehicles per hour
- ✓ TravelSafely Connected Vehicle Application connects this device to iPhone and Android for an audible warning of speeding in a slow speed zone
- ✓ Supports Carmanah SpeedCheck, TrafficCalm and RU2



		F Cherokee_St_NB (4176) Volume																								
HOUR>	0000	0005	0010	0015	0020	0025	0030	0035	0040	0045	0050	0055	0100	0105	0110	0115	0120	0125	0130	0135	0140	0145	0150	0155	0200	
01 Thu	53	50	52	74	91	97	116	116	151	141	121	125	132	160	122	82	61	61								
02 Wed	56	48	49	26	44	91	154	183	188	170	185	181	200	190	209	194	210	197	173	131	102	82	70	60		
03 Thu	83	91	21	21	99	96	153	190	187	179	161	177	175	185	193	187	207	192	181	145	109	92	86	61		
04 Fri	37	30	24	31	23	72	152	151	167	175	181	166	193	204	202	195	221	218	206	141	117	129	114	75		
05 Sat	51	43	29	25	29	64	125	104	152	143	194	183	169	154	161	149	175	164	153	137	110	105	104	88		
06 Sun	56	41	30	25	28	63	74	68	87	108	155	149	151	168	185	132	172	145	149	152	110	82	67	62		
07 Mon	56	20	20	26	43	124	173	206	190	185	206	172	174	164	151	223	225	195	197	157	107	94	64	54		
08 Tue	42	33	18	24	41	79	177	189	209	203	170	145	163	190	238	231	258	227	173	153	118	105	73	79		
09 Wed	64	57	20	24	58	100	183	211	193	181	207	186	170	162	184	180	224	204	189	164	142	117	82	69		
10 Thu	83	43	26	33	47	113	177	237	201	177	206	189	176	187	177	189	211	218	238	165	133	104	81	77		
11 Fri	44	36	20	20	55	105	171	205	209	185	208	197	180	170	200	205	221	210	203	147	145	125	109	85		
12 Sat	57	62	29	26	25	58	117	113	152	146	157	173	166	183	164	171	170	139	148	124	106	93	81	85		
13 Sun	49	51	29	31	17	36	66	60	93	103	117	150	174	163	160	152	153	136	133	126	101	89	61	55		
14 Mon	71	20	18	20	45	96	162	180	205	202	187	157	160	165	200	208	205	205	195	149	109	109	66	56		
15 Tue	57	52	21	17	46	117	183	197	215	179	181	197	188	199	185	199	249	208	203	178	143	105	101	52		
16 Wed	41	45	25	17	59	93	176	200	205	184	188	188	173	179	207	197	225	205	206	141	113	122	79	70		
17 Thu	45	40	28	24	47	96	169	222	194	179	191	186	198	196	208	213	205	199	181	153	119	108	87	61		
18 Fri	58	50	22	18	43	107	174	186	209	172	172	206	205	197	217	214	206	207	182	146	111	114	111	97		
19 Sat	53	52	32	25	34	53	93	117	125	128	153	155	151	166	185	169	142	117	124	123	101	88	97	87		
20 Sun	54	52	35	19	25	55	73	68	89	113	139	161	218	229	245	138	159	160	136	122	111	100	90	70		
21 Mon	51	207	202	26	57	103	141	186	170	170	172	141	176	152	171	183	180	189	189	158	119	104	70	52		
22 Tue	42	36	26	21	57	101	188	209	218	193	175	145	118	217	224	214	212	197	164	137	119	109	78	61		
23 Wed	36	35	32	24	49	82	161	208	205	179	171	172	201	193	201	213	193	185	181	124	122	93	58	51		
24 Thu	32	31	21	21	57	97	178	201	218	183	181	193	209	189	185	199	211	222	178	157	124	104	85	62		
25 Fri	51	51	28	18	52	108	186	196	185	183	208	195	190	175	179	169	189	218	173	145	119	124	117	85		
26 Sat	57	46	37	28	40	76	105	124	154	157	185	179	177	153	168	173	177	175	163	159	119	110	113	85		
27 Sun	63	45	30	26	38	62	84	77	93	125	150	160	192	177	176	188	155	157	146	119	119	85	84	50		
28 Mon	41	207	186	20	50	91	159	208	206	193	191	204	200	196	206	201	225	206	161	113	117	106	65	61		
29 Tue	63	34	31	21	43	85	149	145	129	122	114	127	157	144	135	138	149	148	145	115	98	79	60	46		
30 Wed	38	35	25	24	51	110	173	217	210	186	197	179	177	173	201	197	215	224	177	149	118	103	97	83		
31 Thu	59	49	32	22	48	85																				

Volume heat map

## Connectivity

- ✓ Remotely monitors the reliability of the system
  - Including batteries, solar panels, AC voltage, and visual elements
- ✓ Text messages and email alerts whenever anything goes wrong
- ✓ Future proof with “over the air” software updates for new features

Call us today to get started at [678.830.2170](tel:678.830.2170) or email us at [sales@appinfoinc.com](mailto:sales@appinfoinc.com)!

# Hardware Specification



AI-500-070

## Connectivity

Cell Modem	Yes
Ethernet Port (10/100Base-T)	Yes
Serial Connection	Yes

## Industrial I/O

Analog Inputs	AC Power, Solar Batteries, Temperature
Digital Inputs	Beacon Status, Door Open Switch, Button Pushes
Digital Outputs	2 X Beacon/Flasher Circuits 15 Amp

## Miscellaneous

Operating Systems	µC/OS-II
GPS	Yes
Operating Temperature	-37°C to 74°C
Humidity	5-95% non-condensing
Dimensions	8" x 5" x 2"
Input Voltage	10-30v DC, 120V AC
Power Consumption DC	idle - 149mA avg; active - 212mA avg
Power Consumption AC	idle - 17mA avg; active - 24mA avg
Battery Backed Memory	Yes

## Optional

Digital Message Sign	Yes
Lamp Monitoring	Yes
Scheduling	Yes
Radar Speed Detection	Yes
Audible Pedestrian Push Buttons	Yes

