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PROGRAMMABLE SIGN DEVICE

Abstract

A programmable sign device includes a personal electronic device that is in wireless communication with an extrinsic communication network. A plurality of sign units is each strategically positionable at or around a predetermined location to be visible to individuals that are approaching the predetermined location. Each of the plurality of sign units displays a customizable message to visually communicate a notification to the individuals pertaining to the predetermined location. A plurality of communication units is each attached to a respective one of the plurality of sign units. Each of the plurality of communication units is in wireless communication with the extrinsic communication network thereby and each of the plurality of communication units receives information from the personal electronic device to facilitate an authorized user to program the pertinent information about the location into the plurality of sign units.

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Background/Summary

CROSS-REFERENCE TO RELATED APPLICATIONS
[0001] Not Applicable
STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT
[0002] Not Applicable
THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT
[0003] Not Applicable
INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC OR AS A TEXT FILE VIA THE OFFICE ELECTRONIC FILING SYSTEM
[0004] Not Applicable
STATEMENT REGARDING PRIOR DISCLOSURES BY THE INVENTOR OR JOINT INVENTOR
[0005] Not Applicable
BACKGROUND OF THE INVENTION
(1) Field of the Invention
[0006] The disclosure relates to sign devices and more particularly pertains to a new sign device for temporarily displaying programable signage around a pre-determined location for alerting individuals of potential hazards in the pre-determined location. The device includes a stand and a panel attached to the stand and a plurality of displays, each integrated into the panel, for displaying information pertaining to the location and any potential hazards. The device includes a communication unit integrated into the panel that is in remote communication with a personal electronic device, via an extrinsic communication network, to facilitate the plurality of displays to be remotely programmed.
(2) Description of Related Art Including Information Disclosed Under 37 CFR 1.97 and 1.98
[0007] The prior art relates to sign devices including a wide variety of portable and programmable electronic signs that each at least includes a display and remote communication with a mobile device for remotely programming a message to be displayed on the display. In no instance does the prior art disclose a portable electronic sign that includes a plurality of displays that each displays a unique message including the date and the time of day and a message and remote communication with a mobile electronic device for remotely programming the date and the time of day and the message.
BRIEF SUMMARY OF THE INVENTION
[0008] An embodiment of the disclosure meets the needs presented above by generally comprising a personal electronic device that is in wireless communication with an extrinsic communication network. A plurality of sign units is each strategically positionable at or around a predetermined location to be visible to individuals that are approaching the predetermined location. Each of the plurality of sign units displays a customizable message to visually communicate a notification to the individuals pertaining to the predetermined location. A plurality of communication units is each attached to a respective one of the plurality of sign units. Each of the plurality of communication units is in wireless communication with the extrinsic communication network thereby and each of the plurality of communication units receives information from the personal electronic device to facilitate an authorized user to program the pertinent information about the location into the plurality of sign units.
[0009] There has thus been outlined, rather broadly, the more important features of the disclosure in order that the detailed description thereof that follows may be better understood, and in order that

the present contribution to the art may be better appreciated. There are additional features of the disclosure that will be described hereinafter and which will form the subject matter of the claims appended hereto.
[0010] The objects of the disclosure, along with the various features of novelty which characterize the disclosure, are pointed out with particularity in the claims annexed to and forming a part of this disclosure.

Description

BRIEF DESCRIPTION OF SEVERAL VIEWS OF THE DRAWING(S)
[0011] The disclosure will be better understood and objects other than those set forth above will become apparent when consideration is given to the following detailed description thereof. Such description makes reference to the annexed drawings wherein:
[0012] FIG. **1** is a perspective view of a programmable sign device according to an embodiment of the disclosure.
[0013] FIG. **2** is a front perspective view of an embodiment of the disclosure.
[0014] FIG. **3** is a back perspective view of an embodiment of the disclosure.
[0015] FIG. **4** is a back phantom view of an embodiment of the disclosure.
[0016] FIG. **5** is a left side view of an embodiment of the disclosure.
[0017] FIG. **6** is a front view of an embodiment of the disclosure.
[0018] FIG. **7** is a perspective in-use view of an embodiment of the disclosure.
[0019] FIG. **8** is a perspective view of a personal electronic device of an embodiment of the disclosure showing a menu being displayed on the personal electronic device.
DETAILED DESCRIPTION OF THE INVENTION
[0020] With reference now to the drawings, and in particular to FIGS. **1** through **8** thereof, a new sign device embodying the principles and concepts of an embodiment of the disclosure and generally designated by the reference numeral **10** will be described.
[0021] As best illustrated in FIGS. **1** through **8**, the programmable sign device **10** generally comprises a personal electronic device **12** that is in wireless communication with an extrinsic communication network **14**. The personal electronic device **12** may comprise a smart phone or the like and the extrinsic communication network **14** may comprise the internet, a cellular phone network or any other type of wireless global communication system. Additionally, the personal electronic device **12** stores digital data comprising a control program **15** and the personal electronic device **12** includes a first transceiver **16** that is in wireless communication with the extrinsic communication network **14**. The first transceiver **16** may comprise a radio frequency transceiver or the like commonly associated with smart phones. The control program **15** may comprise a smart phone application or the like which facilitates text communication.
[0022] A plurality of sign units **18** is provided and each of the plurality of sign units **18** is strategically positionable at or around a predetermined location **20**. In this way each of the plurality of sign units **18** is visible to individuals **22** that are approaching the predetermined location **20**. The predetermined location **20** may be a road construction zone, for example, or other location **20** that has conditions which could potentially pose a hazard to the individuals **22**. Each of the plurality of sign units **18** displays the calendar date and a customizable message thereby visually communicating a notification to the individuals **22** which pertains to the predetermined location **20**. Each of the sign units **18** includes a plurality of displays **23** for displaying various messages.
[0023] A respective stand **24** which includes a stanchion **26** and a plurality of legs **28** radiating outwardly from the stanchion **26**, is part of each sign unit **18**. The plurality of legs **28** lies on a support surface **30** having the stanchion **26** being vertically oriented. The support surface **30** may comprise the ground, a floor or any other horizontal support surface **30**. The stanchion **26** has a top

end **32** and a bottom end **34** and each of the plurality of legs **28** is perpendicularly oriented with the stanchion **26** adjacent to the bottom end **34**. A respective pair of the plurality of legs **28** extends laterally away from the stanchion **26** in opposite directions from each other and a respective one of the plurality of legs **28** extends rearwardly from the stanchion **26**. The stand **24** includes a plurality of gussets **36** each extending between the stanchion **26** and a respective one of the plurality of legs **28** for retaining each of the plurality of legs **28** in the perpendicular orientation with the stanchion **26**.

[0024] Each of the sign units **18** includes a panel **38** which has a rear surface **40** and a front surface **42** and a forward surface **44** of the stanchion **26** is attached to the rear surface **40** of the panel **38** such that the top end **32** of the stanchion **26** is centrally located on the rear surface **40**. In this way the panel **38** is elevated above the support surface **30** thereby facilitating the panel **38** to be visible to the individuals **22** that are approaching the location **20**. The panel **38** has a ledge **46** which extends rearwardly from the rear surface **40** of the panel **38**. The ledge **46** is aligned with a top edge **48** of the panel **38** and the ledge **46** extends between a first lateral edge **50** and a second lateral edge **52** of the panel **38**.

[0025] A respective message display **54** that is integrated into the front surface **42** of the panel **38** is provided for each sign unit **18**. The message display **54** displays indicia **56** comprising letters and words to visually communicate pertinent information about the location **20** to the individuals **22**. The pertinent information may be a phrase such as “Road construction ahead. Reduce speed” or other type of the message to alert the individuals **22** to conditions that require the individuals **22** to use caution. The message display **54** is centrally located on the front surface **42** and the message display **54** may comprise a light emitting diode display or other type of electronic display.

[0026] Each of the sign units **18** includes a month display **58** that is integrated into the front surface **42** of the panel **38**. The month display **58** displays indicia **60** comprising letters to visually communicate to the individuals **22** the month of the year to which the pertinent information applies. The month display **58** is positioned between the message display **54** and the top edge **48** of the panel **38** and the month display **58** is positioned proximate the first lateral edge **50** of the panel **38**. Additionally, the month display **58** may comprise a light emitting diode display or other type of electronic display and indicia **61** may be applied to front surface **42** of the panel **38**, located above the month display **58**, comprising the word “Month”. Each of the sign units **18** includes a day display **62** that is integrated into the front surface **42** of the panel **38**. The day display **62** displays indicia **64** comprising numbers to visually communicate to the individuals **22** the day of the month to which the pertinent information applies. The day display **62** is positioned between the message display **54** and the top edge **48** of the panel **38** and the day display **62** is centrally located between the first lateral edge **50** of the panel **38** and the second lateral edge **52** of the panel **38**. Additionally, the day display **62** may comprise a light emitting diode display or other type of electronic display and indicia **65** may be applied to the front surface **42** of the panel **38**, located above the day display **62**, comprising the word “Day”. Each of the sign units **18** includes a time display **66** that is integrated into the front surface **42** of the panel **38**. The time display **66** displays indicia **68** comprising numbers to visually communicate to the individuals **22** the time of the day to which the pertinent information applies. The time display **66** is positioned between the message display **54** and the top edge **48** of the panel **38** and the time display **66** is positioned proximate the second lateral edge **52** of the panel **38**. Additionally, the time display **66** may comprise a light emitting diode display or other type of electronic display and indicia **69** may be applied to the front surface **42** of the panel **38**, located above the time display **66**, comprising the word “Time”.

[0027] There is an auxiliary display **70** for each sign unit **18** that is integrated into the front surface **42** of the panel **38**. The auxiliary display **70** displays indicia **72** comprising words that serve as additional information regarding the information displayed on the message display **54**, such as the hours during the day to which the pertinent information applies. The auxiliary display **70** is positioned between the message display **54** and a bottom edge **74** of the panel **38** and the auxiliary

display **70** is elongated to extend substantially between the first lateral edge **50** and the second lateral edge **52** of the panel **38**. Additionally, the auxiliary display **70** may comprise a light emitting diode display or other type of electronic display.

[0028] A plurality of communication units **76** is provided and each of the plurality of communication units **76** is attached to a respective one of the plurality of sign units **18**. Each of the plurality of communication units **76** is in wireless communication with the extrinsic communication network **14** thereby facilitating the personal electronic device **12** to be in remote communication with each of the plurality of communication units **76** regardless of the distance between the personal electronic device **12** and the plurality of communication units **76**. Each of the plurality of communication units **76** receives information from the personal electronic device **12** thereby facilitating each of the sign units **18** to display the information received from the personal electronic device **12**. In this way the plurality of communication units **76** facilitates an authorized user **78** who is carrying the personal electronic device **12** to program the pertinent information about the location **20** unit the plurality of sign units **18**. Furthermore, each of the plurality of communication units **76** is assigned a unique identity with respect to each other in the control program **15** that is stored in the personal electronic device **12**.

[0029] Each of the plurality of communication units **76** comprises a battery housing **80** that is attached to the rear surface **40** of the panel **38** of a respective one of the sign units **18**. The battery housing **80** is positioned above the top end **32** of the stanchion **26** and the battery housing **80** is elongated to extend substantially between the first lateral edge **50** and the second lateral edge **52** of the panel **38**. Each of the communication units **76** includes a processor **82** that is attached to a top wall **84** of the battery housing **80**. The processor **82** is electrically coupled to each of the message display **54**, the month display **58**, the day display **62**, the time display **66** and the auxiliary display **70**. Additionally, the processor **82** is positioned closer to the second lateral edge **52** of the panel **38** than the first lateral edge **50** of the panel **38**. Each of the plurality of communication units **76** includes a second transceiver **86** that is attached to the top wall **84** of the battery housing **80**. The second transceiver **86** is electrically coupled to the processor **82** and the second transceiver **86** is in wireless communication with the extrinsic communication network **14** thereby facilitating the second transceiver **86** to receive the information from the control program **15** in the personal electronic device **12**. The second transceiver **86** may comprise a radio frequency transceiver or the like and the second transceiver **86** may employ a WPAN signal or other type of protocol that facilitates the second transceiver **86** to connect to the internet or cellular phone network.

[0030] Each of the plurality of communication units **76** includes a conduit **88** which extends between the top wall **84** of the battery housing **80** and a bottom side **90** of the ledge **46** on the rear surface **40** of the panel **38**. Additionally, the conduit **88** is centrally located on the rear surface **40** of the panel **38**. Each of the plurality of communication units **76** includes a rechargeable battery **92** that is positioned within the battery housing **80** and the rechargeable battery **92** is electrically coupled to the processor **82**. Each of the plurality of communication units **76** includes a solar panel **94** that is integrated into a top side **96** of the ledge **46** on the rear surface **40** of the panel **38** such that the solar panel **94** is exposed to sunlight. The solar panel **94** is electrically coupled to the rechargeable battery **92** for charging the rechargeable battery **92**.

[0031] A respective speaker **98** is positioned on the panel **38** of each sign unit **18**. The speaker **98** is operationally coupled to the processor **82** wherein the speaker **98** is configured for broadcasting an audio warning. The audio warning may be the message on the message display **54** or other information.

[0032] A camera **100** is positioned on the panel **38**. The camera **100** is operationally coupled to the processor **82**. The camera **100** is thus configured for visually monitoring conditions adjacent to the sign unit **18** such as weather, traffic conditions, or the like. This allows for monitoring to determine when updating a message on the message display **54** may be desired or necessary.

[0033] Each of the sign units **18** has a global positioning system **102** operationally coupled to the

processor **82**. The processor **82** is thus configured for providing a location of the sign unit **18** by transmission of a position of the sign unit **18** through the second transceiver **86**.
[0034] In use, each of the sign units **18** is positioned at a strategic location **20** at or near the predetermined location **20** and the personal electronic device **12** is connected to the communication unit on each of the sign units **18**. The control program **15** stored in the personal electronic device **12** is employed to program the message to be displayed on the message display **54** of each of the sign units **18** and to program any additional information that is to be displayed on the auxiliary display **70** of each of the sign units **18**. Additionally, the control program **15** automatically programs the month and day and time to be displayed on the month display **58** and the day display **62** and the time display **66** on each of the sign units **18**. In this way the individuals **22** can view the message displayed on the message display **54** on a respective sign unit **18** to be alerted to the potential hazards that the individuals **22** might encounter in the location **20** they are moving toward. As is most clearly shown in FIG. **8**, the control program in the personal electronic device includes a menu of preselected phrases that can be programmed into sign units, including but not being limited to, “road closed ahead”, “road open ahead” or “construction ahead” and each of the pre-selected phrases can be assigned to the unique identity of communication units **76**. Each of the sign units **18** can be reprogrammed at any time to display different information and the sign units **18** can be removed from service once work being performed at the location **20** is completed.
[0035] With respect to the above description then, it is to be realized that the optimum dimensional relationships for the parts of an embodiment enabled by the disclosure, to include variations in size, materials, shape, form, function and manner of operation, assembly and use, are deemed readily apparent and obvious to one skilled in the art, and all equivalent relationships to those illustrated in the drawings and described in the specification are intended to be encompassed by an embodiment of the disclosure.
[0036] Therefore, the foregoing is considered as illustrative only of the principles of the disclosure. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the disclosure to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the disclosure. In this patent document, the word “comprising” is used in its non-limiting sense to mean that items following the word are included, but items not specifically mentioned are not excluded. A reference to an element by the indefinite article “a” does not exclude the possibility that more than one of the element is present, unless the context clearly requires that there be only one of the elements,

Claims

1. A programmable sign device for facilitating any message to be remotely programmed and subsequently displayed, said device comprising: a personal electronic device being in wireless communication with an extrinsic communication network; a plurality of sign units, each of said plurality of sign units being strategically positionable at or around a predetermined location wherein each of said plurality of sign units is configured to be visible to individuals that are approaching the predetermined location, each of said plurality of sign units displaying the calendar date and a customizable message wherein each of said plurality of sign units is configured to visually communicate a notification to the individuals pertaining to the predetermined location, each of said sign units including a plurality of displays for displaying various messages; and a plurality of communication units, each of said plurality of communication units being attached to a respective one of said plurality of sign units, each of said plurality of communication units being in wireless communication with said extrinsic communication network thereby facilitating said personal electronic device to be in remote communication with each of said plurality of communication units regardless of the distance between said personal electronic device and said

plurality of communication units, each of said plurality of communication units receiving information from said personal electronic device thereby facilitating each of said sign units to display the information received from said personal electronic device wherein said plurality of communication units is configured to facilitate an authorized user to program the pertinent information about the location unit said plurality of sign units.

2. The assembly according to claim 1, wherein: each of said plurality of sign units comprises a stand comprising a stanchion and a plurality of legs radiating outwardly from said stanchion wherein said plurality of legs is configured to lie on a support surface having said stanchion being vertically oriented; each of said plurality of sign units comprises a panel having a rear surface and a front surface, said panel being attached to said stanchion wherein said panel is configured to be elevated above the support surface thereby facilitating said panel to be visible to the individuals that are approaching the location; wherein said plurality of displays includes a message display being integrated into said panel, said message display displaying indicia comprising letters and words wherein said message display is configured to visually communicate pertinent information about the location to the individuals; wherein said plurality of displays includes a month display being integrated into said panel, said month display displaying indicia comprising letters wherein said month display is configure to visually communicate to the individuals the month of the year to which the pertinent information applies; wherein said plurality of displays includes a day display being integrated into said panel, said day display displaying indicia comprising numbers wherein said day display is configured to visually communicate to the individuals the day of the month to which the pertinent information applies; wherein said plurality of displays includes a time display being integrated into said panel, said time display displaying indicia comprising numbers wherein said time display is configure to visually communicate to the individuals the time of the day to which the pertinent information applies; and wherein said plurality of displays includes an auxiliary display being integrated into said panel, said auxiliary display displaying indicia comprising words wherein said auxiliary display is configure to visually communicate to the individuals additional information regarding the information displayed on said message display.

3. The assembly according to claim 2, wherein: said stanchion has a top end and a bottom end; each of said plurality of legs is perpendicularly oriented with said stanchion adjacent to said bottom end; a respective pair of said plurality of legs extends laterally away from said stanchion in opposite directions from each other; a respective one of said plurality of legs extends rearwardly from said stanchion; said stand includes a plurality of gussets each extending between said stanchion and a respective one of said plurality of legs for retaining each of said plurality of legs in said perpendicular orientation with said stanchion; a forward surface of said stanchion is attached to said rear surface of said panel such that said top end of said stanchion is centrally located on said rear surface; said panel has a ledge extending rearwardly from said rear surface of said panel; said ledge is aligned with a top edge of said panel; and said ledge extends between a first lateral edge and a second lateral edge of said panel.

4. The assembly according to claim 3, wherein: said message display is centrally located on said front surface of said panel; said month display being positioned between said message display and said top edge of said panel, said month display being positioned proximate said first lateral edge of said panel; said day display is positioned between said message display and said top edge of said panel, said day display being centrally located between said first lateral edge of said panel and said second lateral edge of said panel; said time display is positioned between said message display and said top edge of said panel, said time display being positioned proximate said second lateral edge of said panel; and said auxiliary display is positioned between said message display and a bottom edge of said panel, said auxiliary display being elongated to extend substantially between said first lateral edge and said second lateral edge of said panel.

5. The assembly according to claim 3, wherein: said personal electronic device storing digital data comprising a control program, said personal electronic device including a first transceiver being in

wireless communication with said extrinsic communication network; and each of said plurality of communication units comprises: a battery housing being attached to said rear surface of said panel of a respective one of said sign units, said battery housing being positioned above said top end of said stanchion, said battery housing being elongated to extend substantially between said first lateral edge and said second lateral edge of said panel; a processor being attached to a top wall of said battery housing, said processor being electrically coupled to each of said message display and said month display and said day display and said time display and said auxiliary display, said processor being positioned closer to said second lateral edge of said panel than said first lateral edge of said panel; and a second transceiver being attached to said top wall of said battery housing, said second transceiver being electrically coupled to said processor, said second transceiver being in wireless communication with said extrinsic communication network thereby facilitating said second transceiver to receive the information from said control program in said personal electronic device.

6. The assembly according to claim 5, wherein each of said plurality of communication units includes: a conduit extending between said top wall of said battery housing and a bottom side of said ledge on said rear surface of said panel, said conduit being centrally located on said rear surface of said panel; a rechargeable battery being positioned within said battery housing, said rechargeable battery being electrically coupled to said processor; and a solar panel being integrated into a top side of said ledge on said rear surface of said panel wherein said solar panel is configured to be exposed to sunlight, said solar panel being electrically coupled to said rechargeable battery for charging said rechargeable battery.

7. The assembly according to claim 5, wherein each of said sign units includes a speaker positioned on said panel, said speaker being operationally coupled to said processor wherein said speaker is configured for broadcasting an audio warning.

8. The assembly according to claim 5, wherein each of said sign units includes a camera positioned on said panel, said camera being operationally coupled to said processor wherein said camera is configured for visually monitoring conditions adjacent to the sign unit.

9. The assembly according to claim 5, wherein each of said sign units includes a global positioning system operationally coupled to said processor wherein said processor is configured for providing a location of the sign unit by transmission of a position of the sign unit through the second transceiver.

10. A programmable sign device for facilitating any message to be remotely programmed and subsequently displayed, said device comprising: a personal electronic device being in wireless communication with an extrinsic communication network, said personal electronic device storing digital data comprising a control program, said personal electronic device including a first transceiver being in wireless communication with said extrinsic communication network; a plurality of sign units, each of said plurality of sign units being strategically positionable at or around a predetermined location wherein each of said plurality of sign units is configured to be visible to individuals that are approaching the predetermined location, each of said plurality of sign units displaying the calendar date and a customizable message wherein each of said plurality of sign units is configured to visually communicate a notification to the individuals pertaining to the predetermined location, each of said plurality of sign units including a plurality of displays for displaying various messages, each of said plurality of sign units comprising: a stand comprising a stanchion and a plurality of legs radiating outwardly from said stanchion wherein said plurality of legs is configured to lie on a support surface having said stanchion being vertically oriented, said stanchion having a top end and a bottom end, each of said plurality of legs being perpendicularly oriented with said stanchion adjacent to said bottom end, a respective pair of said plurality of legs extending laterally away from said stanchion in opposite directions from each other, a respective one of said plurality of legs extending rearwardly from said stanchion, said stand including a plurality of gussets each extending between said stanchion and a respective one of said plurality of

legs for retaining each of said plurality of legs in said perpendicular orientation with said stanchion; a panel having a rear surface and a front surface, a forward surface of said stanchion being attached to said rear surface of said panel such that said top end of said stanchion is centrally located on said rear surface wherein said panel is configured to be elevated above the support surface thereby facilitating said panel to be visible to the individuals that are approaching the location, said panel having a ledge extending rearwardly from said rear surface of said panel, said ledge being aligned with a top edge of said panel, said ledge extending between a first lateral edge and a second lateral edge of said panel; wherein said plurality of displays includes a message display being integrated into said front surface of said panel, said message display displaying indicia comprising letters and words wherein said message display is configured to visually communicate pertinent information about the location to the individuals, said message display being centrally located on said front surface; wherein said plurality of displays includes a month display being integrated into said front surface of said panel, said month display displaying indicia comprising letters wherein said month display is configure to visually communicate to the individuals the month of the year to which the pertinent information applies, said month display being positioned between said message display and said top edge of said panel, said month display being positioned proximate said first lateral edge of said panel; wherein said plurality of displays includes a day display being integrated into said front surface of said panel, said day display displaying indicia comprising numbers wherein said day display is configure to visually communicate to the individuals the day of the month to which the pertinent information applies, said day display being positioned between said message display and said top edge of said panel, said day display being centrally located between said first lateral edge of said panel and said second lateral edge of said panel; wherein said plurality of displays includes a time display being integrated into said front surface of said panel, said time display displaying indicia comprising numbers wherein said time display is configure to visually communicate to the individuals the time of the day to which the pertinent information applies, said time display being positioned between said message display and said top edge of said panel, said time display being positioned proximate said second lateral edge of said panel; and wherein said plurality of displays includes an auxiliary display being integrated into said front surface of said panel, said auxiliary display displaying indicia comprising words wherein said auxiliary display is configured to visually communicate to the individuals additional information regarding the information displayed on said message display, between said message display and a bottom edge of said panel, said auxiliary display being elongated to extend substantially between said first lateral edge and said second lateral edge of said panel; a plurality of communication units, each of said plurality of communication units being attached to a respective one of said plurality of sign units, each of said plurality of communication units being in wireless communication with said extrinsic communication network thereby facilitating said personal electronic device to be in remote communication with each of said plurality of communication units regardless of the distance between said personal electronic device and said plurality of communication units, each of said plurality of communication units receiving information from said personal electronic device thereby facilitating each of said sign units to display the information received from said personal electronic device wherein said plurality of communication units is configured to facilitate an authorized user to program the pertinent information about the location unit said plurality of sign units, each of said plurality of communication units comprising: a battery housing being attached to said rear surface of said panel of a respective one of said sign units, said battery housing being positioned above said top end of said stanchion, said battery housing being elongated to extend substantially between said first lateral edge and said second lateral edge of said panel; a processor being attached to a top wall of said battery housing, said processor being electrically coupled to each of said message display and said month display and said day display and said time display and said auxiliary display, said processor being positioned closer to said second lateral edge of said panel than said first lateral edge of said panel; a second transceiver being attached to said top wall

of said battery housing, said second transceiver being electrically coupled to said processor, said second transceiver being in wireless communication with said extrinsic communication network thereby facilitating said second transceiver to receive the information from said control program in said personal electronic device; a conduit extending between said top wall of said battery housing and a bottom side of said ledge on said rear surface of said panel, said conduit being centrally located on said rear surface of said panel; a rechargeable battery being positioned within said battery housing, said rechargeable battery being electrically coupled to said processor; and a solar panel being integrated into a top side of said ledge on said rear surface of said panel wherein said solar panel is configured to be exposed to sunlight, said solar panel being electrically coupled to said rechargeable battery for charging said rechargeable battery; and wherein each of said sign unites includes a speaker positioned on said panel, said speaker being operationally coupled to said processor wherein said speaker is configured for broadcasting an audio warning, a camera positioned on said panel, said camera being operationally coupled to said processor wherein said camera is configured for visually monitoring conditions adjacent to the sign unit, and a global positioning system operationally coupled to said processor wherein said processor is configured for providing a location of the sign unit by transmission of a position of the sign unit through the second transceiver.