**IMPROVEMENT IN ROAD SIGNAGES ON NATIONAL HIGHWAY IN INDIA USING ARTIFICIAL INTELLIGENCE (AI) BASED SURVEYS**



**Name of the stretch -  
  
Six lane road from mohali to patiala via isbt - 43 singhu border**

**Unique Project Code (UPC) -N/09001/01002/PB   
State -Punjab  
Regional Office (RO) -Punjab  
Project Implementation Unit (PIU) -Amritsar**

# Executive Summary

National Highways Authority of India (NHAI), under Ministry of Road Transport and Highways (MoRTH), Government of India has signed a Memorandum of Understanding (MoU) with Indraprastha Institute of Information Technology, Delhi (IIITD) to utilize AI based solutions for carrying out Gap Study w.r.t availability and broad condition of road sign on around 25,000 km of selected National Highways (provided by NHAI). The gap study shall be carried out by assessing the difference between the AI based survey findings and the road signage inventory as per NHAI record. The other part of the gap study shall cover the additional requirement of road signages as per the recommendations of certified Road Safety Auditor (RSA) based on latest codal provisions relevant to high-speed corridors.   
  
 The MoU was signed on 30-10-2025 and project completion period was kept as twelve (12) months. The date of commencement of this project was 30-10-2026.   
  
 This report summarizes the findings of a gap study conducted on National Highway project **Six Laning of Jalandhar - Amritsar Section of NH-1 from Km 387.100 to Km 407.100 (Bidhipur Dhilwan).**The linear length of project stretch is **20 km** and it includes “Six Lane with divided carriageway with Service Road” configuration and the type of pavement is Flexible/Rigid. The construction work of the project was completed on/ date of COD was value . The project is currently under DLP/O&M stage.   
  
 The survey on this project stretch was carried out on 3/10/2025 by the team of IIIT Delhi. As per survey findings which is based on Artificial Intelligence (AI), there are 303 nos. of roads signs including Chevron, Hazard, Cautionary Warning, Prohibitory Mandatory & Informatory Signs, on this project. However, as per NHAI record/ approved Road Signage Plan of Contract Agreement, the number of road signages on this project are 242 nos. (data as provided by NHAI). Therefore, a gap of -61 nos. sign boards have been observed vis-à-vis NHAI record. This variance in the count of signages in the contract document and existing signages taken out by AI survey report is not available in NHAI record. This finding will help NHAI in better inventorisation of the existing Road Signage on this project.   
  
 Secondly, this project has also carried out gap study based on the recommendation of certified road safety auditor (RSA). As per RSA recommendation, the number of Total road signs required on this project are {road\_signs\_required} nos. Accordingly, there is an additional requirement of {road\_signs\_rsa\_gap} of signages over and above {road\_signs\_rsa} nos. as observed during the survey.   
  
The following table presents the summary of Gap study report :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 26 | 29 | 29 | -3 | 0 |
| Cautionary Warning Signs | 30 | 57 | 124 | -27 | 67 |
| Hazard | 46 | 47 | 59 | -1 | 12 |
| Prohibitory Mandatory Signs | 41 | 34 | 34 | 7 | 0 |
| Informatory Signs | 99 | 136 | 136 | -37 | 0 |
| Total | 242 | 303 | 382 | -61 | 79 |

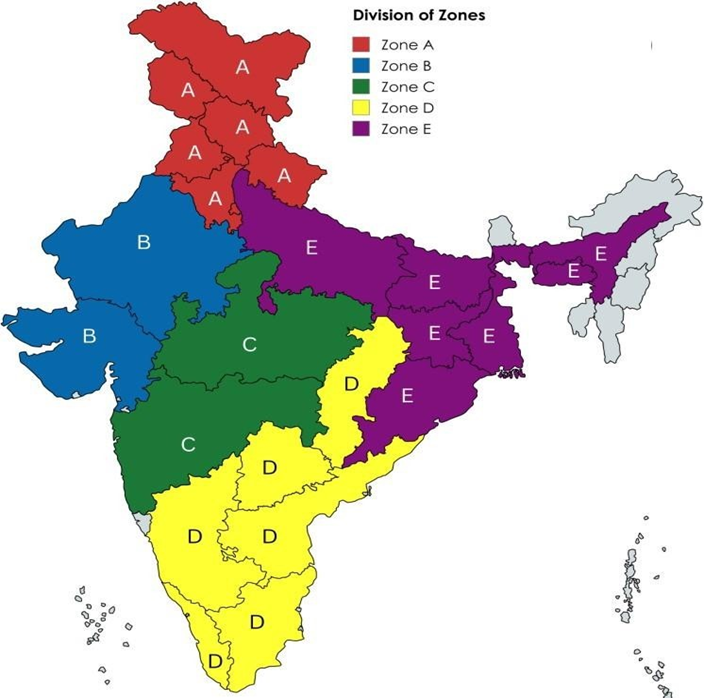
# 1. Introduction

## 1.1.Brief description about the MoU

A Memorandum of Understanding (MoU) has been signed between the National Highways Authority of India (NHAI) and Indraprastha Institute of Information Technology, Delhi (IIIT Delhi) for carrying out Gap Study w.r.t availability and broad condition of road sign on around 25,000 km National Highways in India.

The project duration as per the MoU is twelve (12) months and the date of commencement of work is 27.09.2024. The tentative length of roads to be covered under the aforementioned study shall be 25,000 km. The list of stretches included in the project are from different states which is divided into 05 zones (Zone A to E).

|  |  |
| --- | --- |
| **Zone** | **States** |
| Zone A | Jammu & Kashmir, Punjab, Himachal Pradesh, Uttarakhand , Haryana , Chandigarh and Delhi |
| Zone B | Gujrat and Rajasthan |
| Zone C | Maharashtra and Madhya Pradesh |
| Zone D | Andhra Pradesh , Tamil Nadu , Telangana , Karnataka , Kerala , Chhattisgarh |
| Zone E | Assam , Bihar , Meghalaya , Jharkhand , Odisha , Uttar Pradesh and West Bengal |



## 1.2 Objectives of Gap Study

Adequate availability of the road signs on the roads plays a significant role in the road safety. NHAI intends to enhance the road safety for all road users by embracing innovation and adopting advanced technologies.   
  
 Artificial Intelligence (Al) has emerged as a powerful tool for automating tasks and improving data analysis capabilities. By harnessing the potential of Al and Geographic Information Systems (GIS), NHAI can revolutionize its approach w.r.t road signs inspection.   
  
 Therefore, NHAI in collaboration with IIIT Delhi intends to utilize Al based solutions for Improvement in the availability of road signs on National Highways in India.

## 1.3 Scope of services

The scope of work is to carry out Gap studies w.r.t the availability and broad condition of road signs on around 25,000 km of National Highways in India. The services includes following:   
i. The gap study shall be carried out by assessing the difference between the survey findings and the requirements of road signs as per signage plan of the respective Contract Agreement.   
  
ii. Gap study based on updated / latest Codal provisions relevant to high-speed corridors to cater for enhanced safety requirements. For this purpose, IIITD shall engage a certified Road Safety Auditor (RSA) for assisting in the gap study and preparation of report.   
  
iii. IIITD shall carry out the surveys for collecting imagery and other ancillary data related to availability and condition of road signages on selected National Highways stretches in India as provided by NHAI.   
  
iv. The data collected through surveys shall be processed through deployment of adequately capable Artificial Intelligence (AI) for accurate identification and classification of road sign types.

## 1.4 Salient features of the instant National Highway Project

**i. The salient features of the instant National Highway Project are mentioned as under:**

|  |  |
| --- | --- |
| **Description/ Particular** | **Details** |
| Name of the project Highway |  |
| Unique Project Code (UPC) |  |
| NHAI Regional Office |  |
| NHAI Project Implementation Unit (PIU) |  |
| Details of Project Construction;  (a) Date of Completion/ COD (b) DLP Completion Date |  |
| Details of O&M Agency (if any); (a) O&M Contract Duration |  |

**ii. Key Features of the Project:**

|  |  |
| --- | --- |
| **Description/ Particular** | **Details** |
| Pavement Type &amp; Lane Configuration |  |
| Length of Main Carriageway |  |
| Length of Service/ Slip Roads |  |
| Major Junctions |  |
| Minor Junctions |  |
| Bridges (Major/Minor) |  |
| ROB/RUB/Flyovers |  |
| Underpasses (VUP/PUP/CUP) |  |
| Culverts |  |
| Toll Plaza |  |

**iii. Index map:  
  
 Index map showing the start point and end point of the said project.**



**iv. Total Road segments in this project:   
Main Carraige Way LHS Surveyed -**56  
  
**Main Carraige Way RHS Surveyed -**56  
  
**Total Service Roads Surveyed -**56  
  
**Total Intersections Surveyed -**10

# 2. Methodology

## 2.1. Data Collection

The research methodology used is a combination of data collection and processing the same through Artificial Intelligence (AI) based solutions. The data collection involves the use of technology like integrated device which is mounted on the vehicle and the survey is done with expert and driver in the vehicle. The start point is marked and the Main Carriageway (MCW) is covered on both LHS & RHS. The survey further includes covering all the service roads and intersections of the same stretch on vehicles to collect data remotely. The data which is collected is uploaded for the further processing through AI models.

## 2.2. Broad Methodology- Artificial Intelligence based solution

AI models are employed to process the collected data, identify patterns, and generate insights into road signages as seen in the video captured. The chainage, name of the road, latitude & longitude are marked simultaneously.

# 3. Inventory of Road Signs

## 3.1.Road Signage Inventory (provided by NHAI)

The inventory of road signs as provided by NHAI with broad categorisation is presented in the table below. The detailed inventory is placed at Annexure A.

|  |  |
| --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** |
| Chevron | 26 |
| Cautionary Warning Signs | 30 |
| Hazard | 46 |
| Prohibitory Mandatory Signs | 41 |
| Informatory Signs | 99 |
| Total | 242 |

## 3.2.Road Signage Inventory based on Survey Data (conducted by IIIT)

The inventory of road signs based on AI Survey Data with broad categorisation is presented in the table below. The detailed inventory is placed at Annexure B.

|  |  |
| --- | --- |
| **Category of Signages** | **Nos. of Signages Based on the AI Survey** |
| Chevron | 29 |
| Cautionary Warning Signs | 57 |
| Hazard | 47 |
| Prohibitory Mandatory Signs | 34 |
| Informatory Signs | 136 |
| Total | 303 |

## 3.3.Road signage Requirement as per Road Safety Audit

The inventory of road signs as per Road Safety Auditor recommendation is presented in the table below. The detailed inventory is placed at Annexure C.

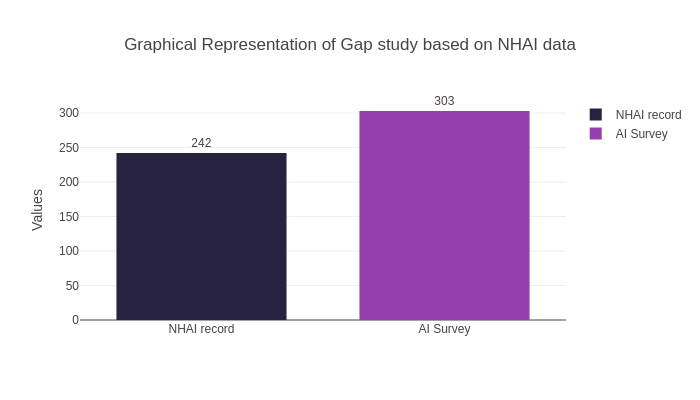
# 4. Results of Gap study

## 4.1.Gap study based on NHAI data

Following table represents the gap analysis of road signs between NHAI record and AI survey data-

|  |  |  |  |
| --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Gap Analysis** |
| Chevron | 26 | 29 | -3 |
| Cautionary Warning Signs | 30 | 57 | -27 |
| Hazard | 46 | 47 | -1 |
| Prohibitory Mandatory Signs | 41 | 34 | 7 |
| Informatory Signs | 99 | 136 | -37 |
| Total | 242 | 303 | -61 |

Following graph shows the difference between NHAI record and AI based survey in a bar chart-

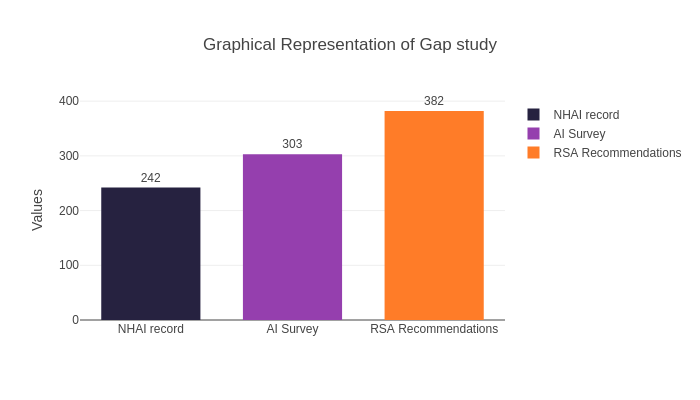


## 4.2.Gap study based on Rad safety audit

Following table represents the gap analysis of road signs between NHAI record , AI survey data and Road safety auditor recommendation with different category of signage. The detailed inventory is placed at Annexure D.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 26 | 29 | 29 | -3 | 0 |
| Cautionary Warning Signs | 30 | 57 | 124 | -27 | 67 |
| Hazard | 46 | 47 | 59 | -1 | 12 |
| Prohibitory Mandatory Signs | 41 | 34 | 34 | 7 | 0 |
| Informatory Signs | 99 | 136 | 136 | -37 | 0 |
| Total | 242 | 303 | 382 | -61 | 79 |

Following graph shows the difference between NHAI record , AI based survey and Road safety auditor recommendation in a bar chart format,lk-



Road Signage Inventory (as provided by NHAI)

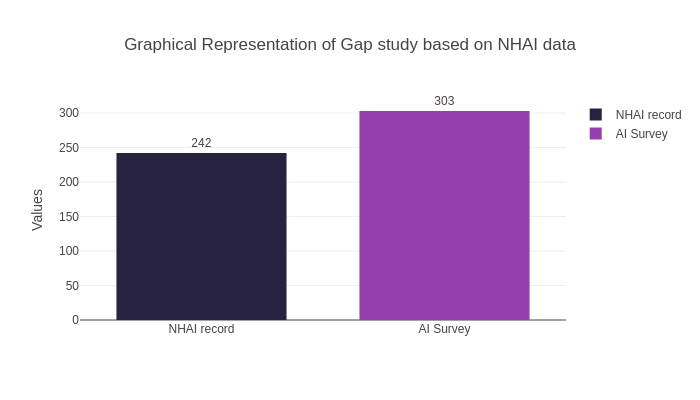
|  |  |
| --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** |
| Chevron | 26 |
| Cautionary Warning Signs | 30 |
| Hazard | 46 |
| Prohibitory Mandatory Signs | 41 |
| Informatory Signs | 99 |
| Total | 242 |

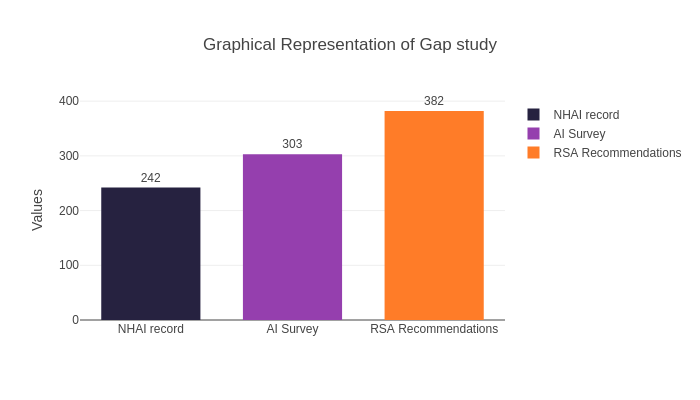
Road Signage Inventory based on AI Survey Data (conducted by IIITD)

|  |  |
| --- | --- |
| **Category of Signages** | **Nos. of Signages Based on the AI Survey** |
| Chevron | 29 |
| Cautionary Warning Signs | 57 |
| Hazard | 47 |
| Prohibitory Mandatory Signs | 34 |
| Informatory Signs | 136 |
| Total | 303 |

Gap study based on NHAI data

|  |  |  |  |
| --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Gap Analysis** |
| Chevron | 26 | 29 | -3 |
| Cautionary Warning Signs | 30 | 57 | -27 |
| Hazard | 46 | 47 | -1 |
| Prohibitory Mandatory Signs | 41 | 34 | 7 |
| Informatory Signs | 99 | 136 | -37 |
| Total | 242 | 303 | -61 |



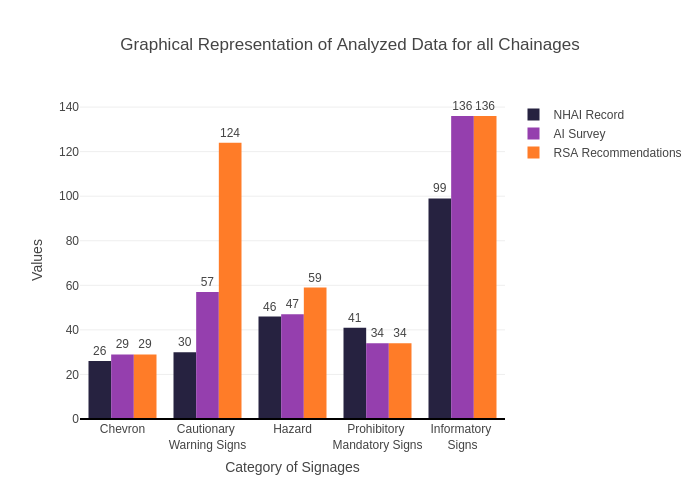


Chainage Wise Gap Analysis

Chainage: All

Gap Analysis:

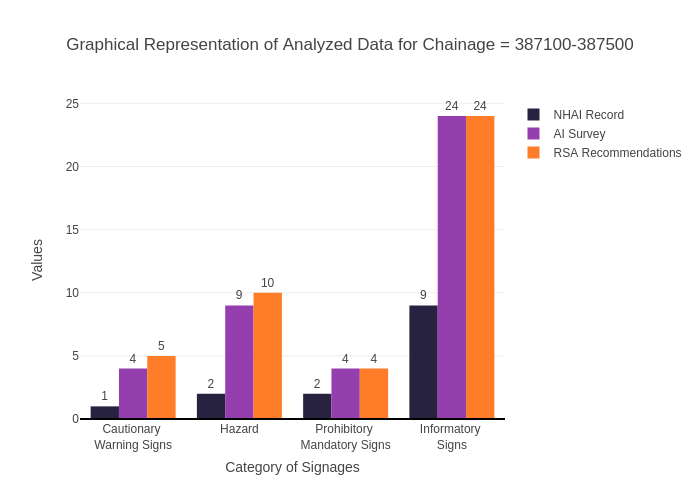
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 26 | 29 | 29 | -3 | 0 |
| Cautionary Warning Signs | 30 | 57 | 124 | -27 | 67 |
| Hazard | 46 | 47 | 59 | -1 | 12 |
| Prohibitory Mandatory Signs | 41 | 34 | 34 | 7 | 0 |
| Informatory Signs | 99 | 136 | 136 | -37 | 0 |
| Total | 242 | 303 | 382 | -61 | 79 |



Chainage: 387100-387500

Gap Analysis:

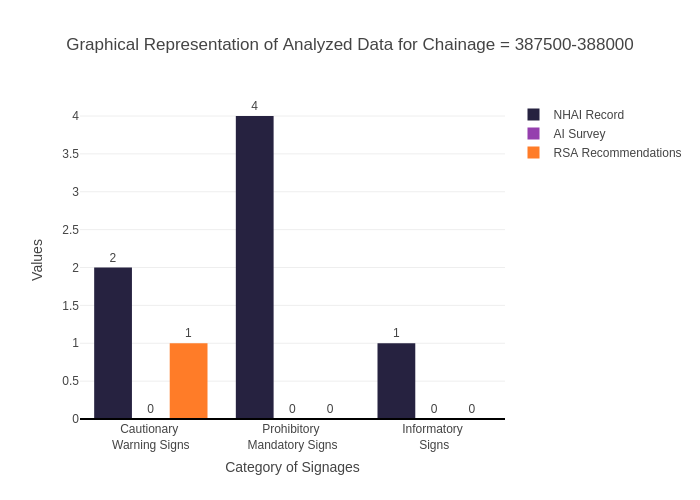
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 1 | 4 | 5 | -3 | 1 |
| Hazard | 2 | 9 | 10 | -7 | 1 |
| Prohibitory Mandatory Signs | 2 | 4 | 4 | -2 | 0 |
| Informatory Signs | 9 | 24 | 24 | -15 | 0 |
| Total | 14 | 41 | 43 | -27 | 2 |



Chainage: 387500-388000

Gap Analysis:

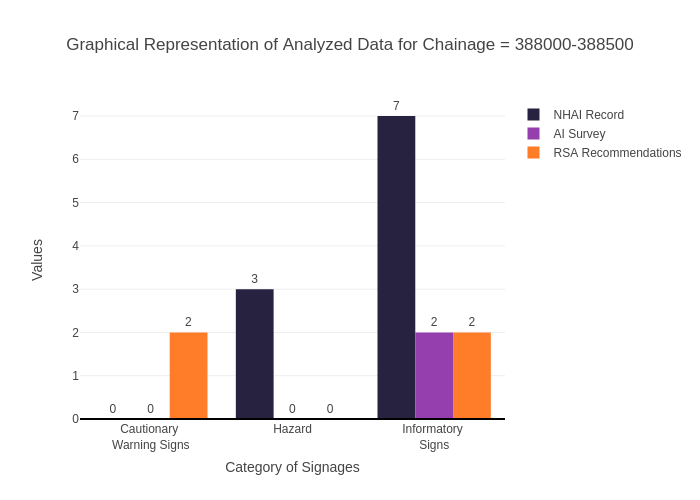
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 2 | 0 | 1 | 2 | 1 |
| Hazard | 0 | 0 | 0 | 0 | 0 |
| Prohibitory Mandatory Signs | 4 | 0 | 0 | 4 | 0 |
| Informatory Signs | 1 | 0 | 0 | 1 | 0 |
| Total | 7 | 0 | 1 | 7 | 1 |



Chainage: 388000-388500

Gap Analysis:

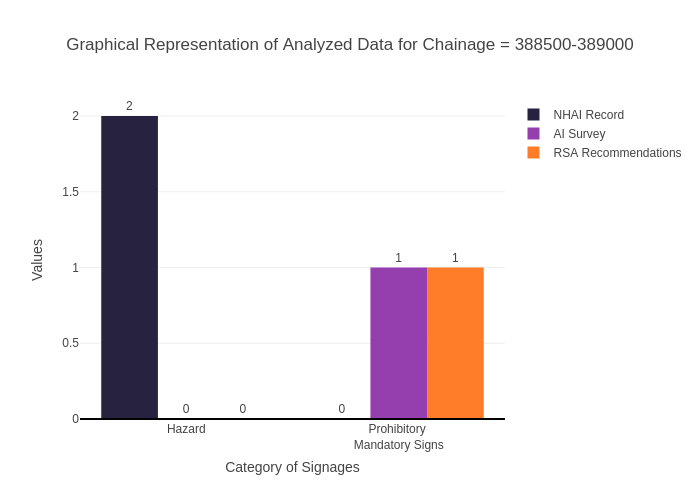
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 0 | 2 | 0 | 2 |
| Hazard | 3 | 0 | 0 | 3 | 0 |
| Prohibitory Mandatory Signs | 0 | 0 | 0 | 0 | 0 |
| Informatory Signs | 7 | 2 | 2 | 5 | 0 |
| Total | 10 | 2 | 4 | 8 | 2 |



Chainage: 388500-389000

Gap Analysis:

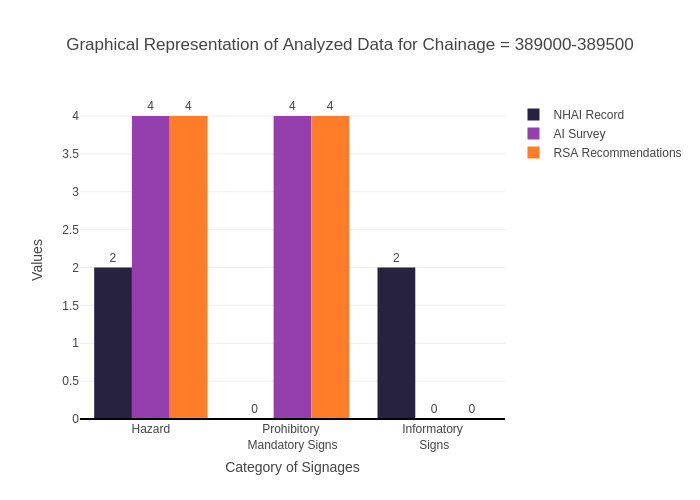
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 0 | 0 | 0 | 0 |
| Hazard | 2 | 0 | 0 | 2 | 0 |
| Prohibitory Mandatory Signs | 0 | 1 | 1 | -1 | 0 |
| Informatory Signs | 0 | 0 | 0 | 0 | 0 |
| Total | 2 | 1 | 1 | 1 | 0 |



Chainage: 389000-389500

Gap Analysis:

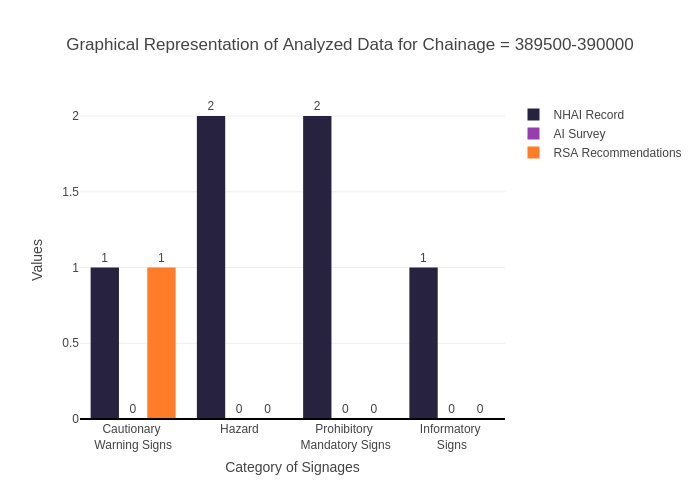
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 0 | 0 | 0 | 0 |
| Hazard | 2 | 4 | 4 | -2 | 0 |
| Prohibitory Mandatory Signs | 0 | 4 | 4 | -4 | 0 |
| Informatory Signs | 2 | 0 | 0 | 2 | 0 |
| Total | 4 | 8 | 8 | -4 | 0 |



Chainage: 389500-390000

Gap Analysis:

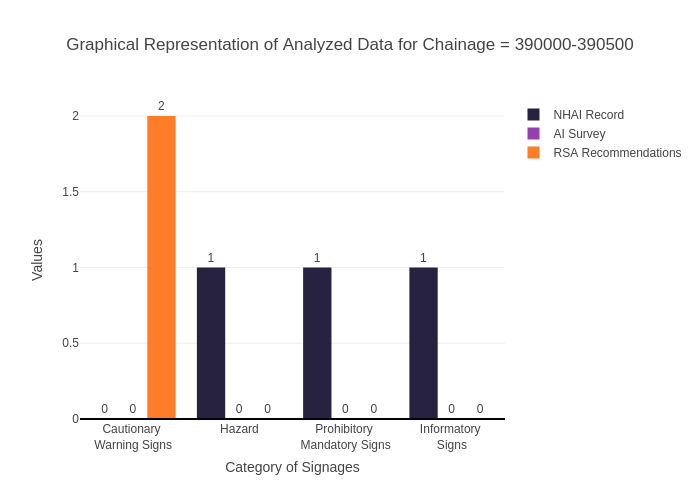
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 1 | 0 | 1 | 1 | 1 |
| Hazard | 2 | 0 | 0 | 2 | 0 |
| Prohibitory Mandatory Signs | 2 | 0 | 0 | 2 | 0 |
| Informatory Signs | 1 | 0 | 0 | 1 | 0 |
| Total | 6 | 0 | 1 | 6 | 1 |



Chainage: 390000-390500

Gap Analysis:

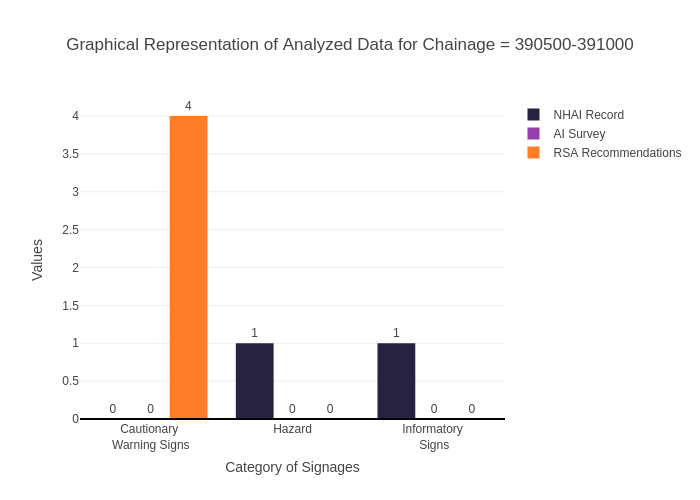
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 0 | 2 | 0 | 2 |
| Hazard | 1 | 0 | 0 | 1 | 0 |
| Prohibitory Mandatory Signs | 1 | 0 | 0 | 1 | 0 |
| Informatory Signs | 1 | 0 | 0 | 1 | 0 |
| Total | 3 | 0 | 2 | 3 | 2 |



Chainage: 390500-391000

Gap Analysis:

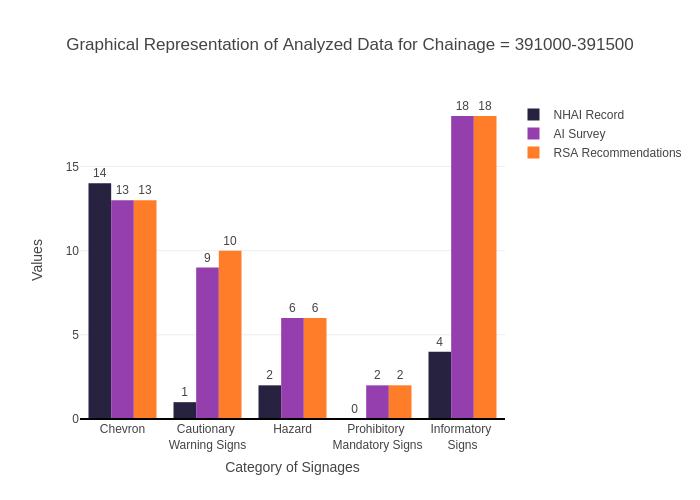
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 0 | 4 | 0 | 4 |
| Hazard | 1 | 0 | 0 | 1 | 0 |
| Prohibitory Mandatory Signs | 0 | 0 | 0 | 0 | 0 |
| Informatory Signs | 1 | 0 | 0 | 1 | 0 |
| Total | 2 | 0 | 4 | 2 | 4 |



Chainage: 391000-391500

Gap Analysis:

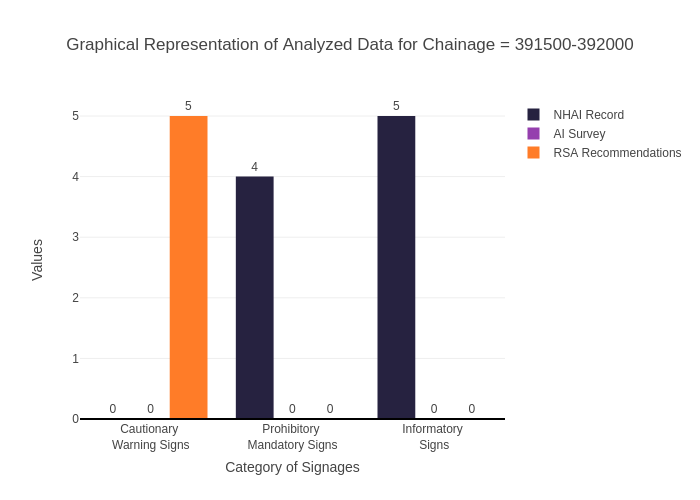
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 14 | 13 | 13 | 1 | 0 |
| Cautionary Warning Signs | 1 | 9 | 10 | -8 | 1 |
| Hazard | 2 | 6 | 6 | -4 | 0 |
| Prohibitory Mandatory Signs | 0 | 2 | 2 | -2 | 0 |
| Informatory Signs | 4 | 18 | 18 | -14 | 0 |
| Total | 21 | 48 | 49 | -27 | 1 |



Chainage: 391500-392000

Gap Analysis:

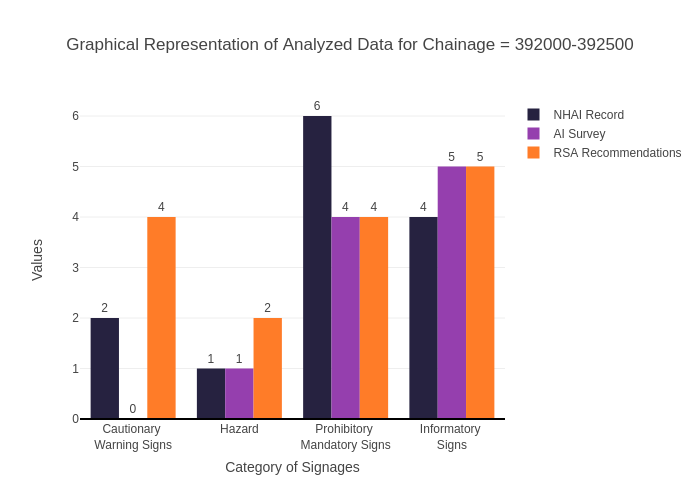
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 0 | 5 | 0 | 5 |
| Hazard | 0 | 0 | 0 | 0 | 0 |
| Prohibitory Mandatory Signs | 4 | 0 | 0 | 4 | 0 |
| Informatory Signs | 5 | 0 | 0 | 5 | 0 |
| Total | 9 | 0 | 5 | 9 | 5 |



Chainage: 392000-392500

Gap Analysis:

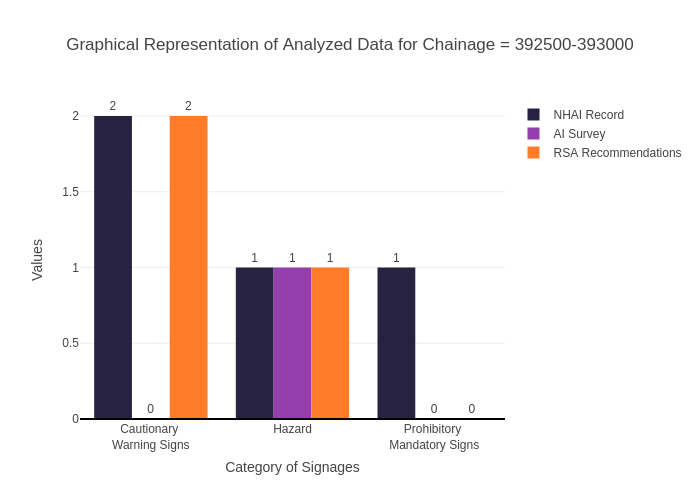
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 2 | 0 | 4 | 2 | 4 |
| Hazard | 1 | 1 | 2 | 0 | 1 |
| Prohibitory Mandatory Signs | 6 | 4 | 4 | 2 | 0 |
| Informatory Signs | 4 | 5 | 5 | -1 | 0 |
| Total | 13 | 10 | 15 | 3 | 5 |



Chainage: 392500-393000

Gap Analysis:

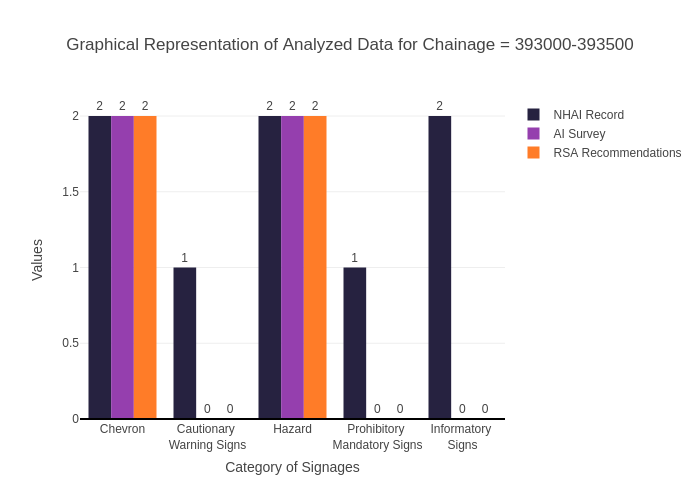
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 2 | 0 | 2 | 2 | 2 |
| Hazard | 1 | 1 | 1 | 0 | 0 |
| Prohibitory Mandatory Signs | 1 | 0 | 0 | 1 | 0 |
| Informatory Signs | 0 | 0 | 0 | 0 | 0 |
| Total | 4 | 1 | 3 | 3 | 2 |



Chainage: 393000-393500

Gap Analysis:

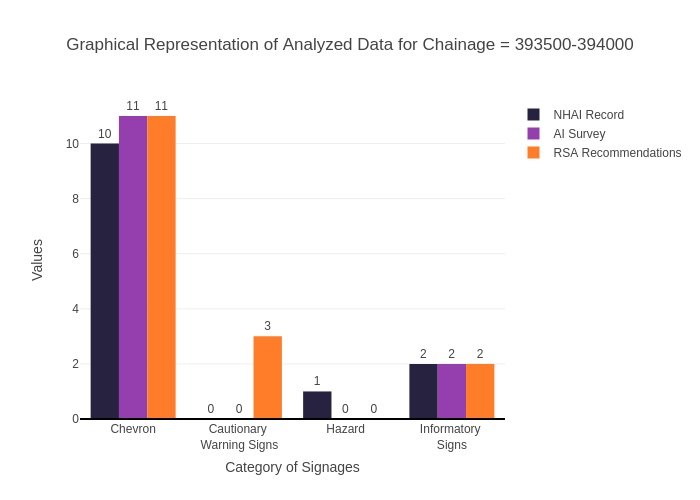
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 2 | 2 | 2 | 0 | 0 |
| Cautionary Warning Signs | 1 | 0 | 0 | 1 | 0 |
| Hazard | 2 | 2 | 2 | 0 | 0 |
| Prohibitory Mandatory Signs | 1 | 0 | 0 | 1 | 0 |
| Informatory Signs | 2 | 0 | 0 | 2 | 0 |
| Total | 8 | 4 | 4 | 4 | 0 |



Chainage: 393500-394000

Gap Analysis:

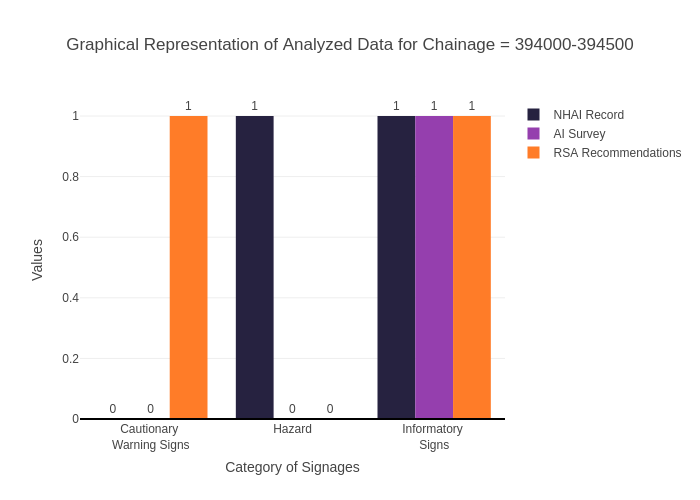
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 10 | 11 | 11 | -1 | 0 |
| Cautionary Warning Signs | 0 | 0 | 3 | 0 | 3 |
| Hazard | 1 | 0 | 0 | 1 | 0 |
| Prohibitory Mandatory Signs | 0 | 0 | 0 | 0 | 0 |
| Informatory Signs | 2 | 2 | 2 | 0 | 0 |
| Total | 13 | 13 | 16 | 0 | 3 |



Chainage: 394000-394500

Gap Analysis:

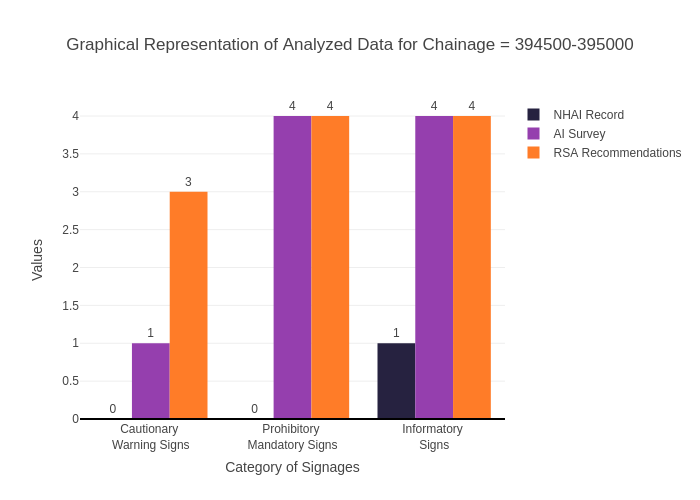
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 0 | 1 | 0 | 1 |
| Hazard | 1 | 0 | 0 | 1 | 0 |
| Prohibitory Mandatory Signs | 0 | 0 | 0 | 0 | 0 |
| Informatory Signs | 1 | 1 | 1 | 0 | 0 |
| Total | 2 | 1 | 2 | 1 | 1 |



Chainage: 394500-395000

Gap Analysis:

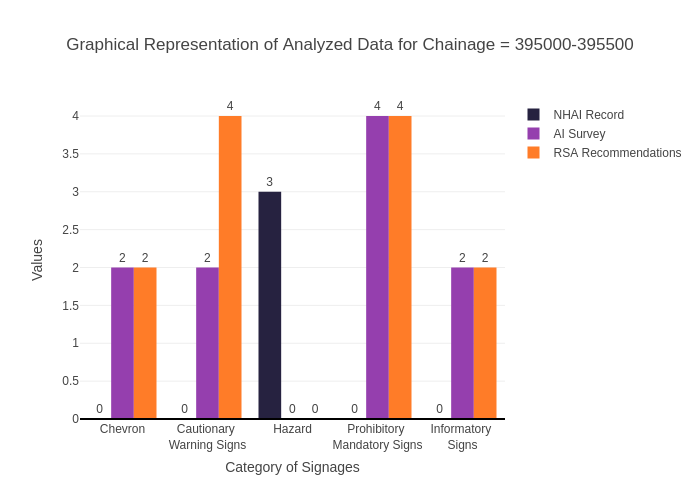
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 1 | 3 | -1 | 2 |
| Hazard | 0 | 0 | 0 | 0 | 0 |
| Prohibitory Mandatory Signs | 0 | 4 | 4 | -4 | 0 |
| Informatory Signs | 1 | 4 | 4 | -3 | 0 |
| Total | 1 | 9 | 11 | -8 | 2 |



Chainage: 395000-395500

Gap Analysis:

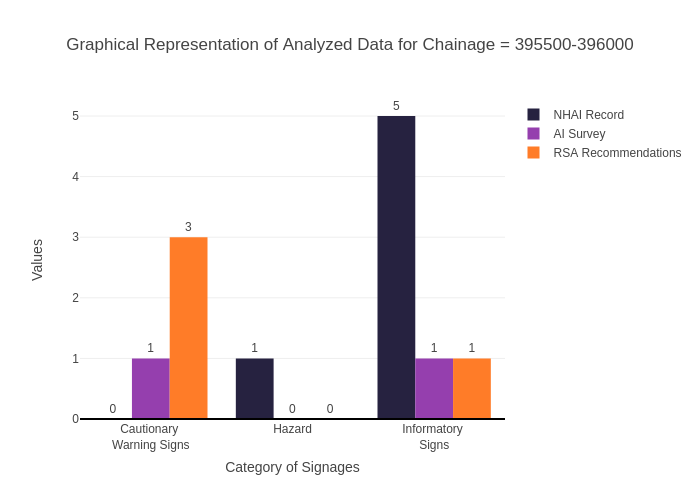
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 2 | 2 | -2 | 0 |
| Cautionary Warning Signs | 0 | 2 | 4 | -2 | 2 |
| Hazard | 3 | 0 | 0 | 3 | 0 |
| Prohibitory Mandatory Signs | 0 | 4 | 4 | -4 | 0 |
| Informatory Signs | 0 | 2 | 2 | -2 | 0 |
| Total | 3 | 10 | 12 | -7 | 2 |



Chainage: 395500-396000

Gap Analysis:

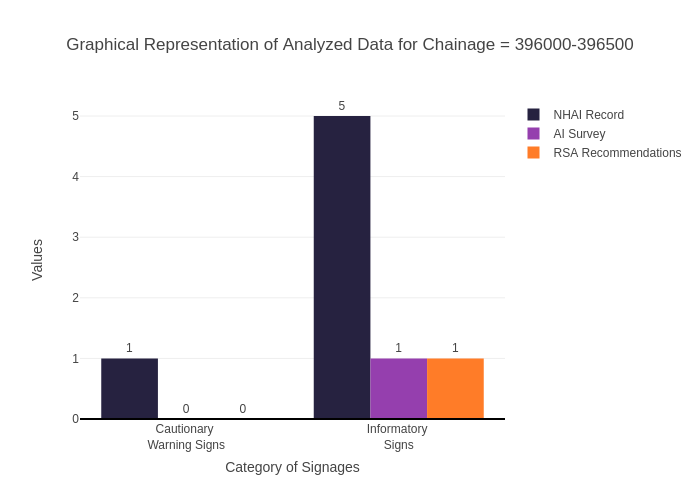
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 1 | 3 | -1 | 2 |
| Hazard | 1 | 0 | 0 | 1 | 0 |
| Prohibitory Mandatory Signs | 0 | 0 | 0 | 0 | 0 |
| Informatory Signs | 5 | 1 | 1 | 4 | 0 |
| Total | 6 | 2 | 4 | 4 | 2 |



Chainage: 396000-396500

Gap Analysis:

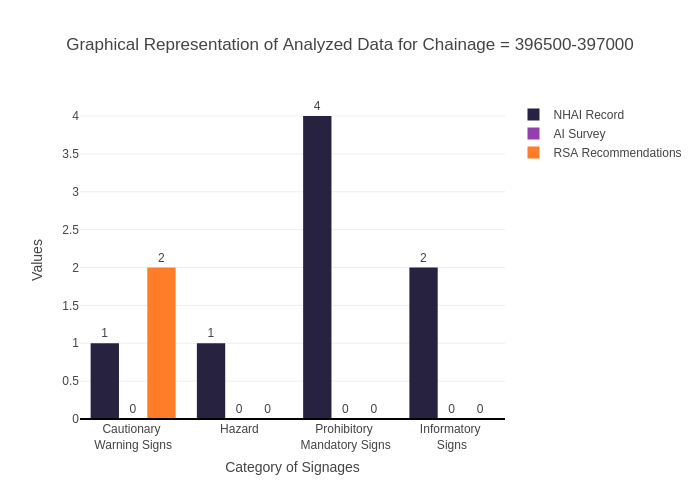
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 1 | 0 | 0 | 1 | 0 |
| Hazard | 0 | 0 | 0 | 0 | 0 |
| Prohibitory Mandatory Signs | 0 | 0 | 0 | 0 | 0 |
| Informatory Signs | 5 | 1 | 1 | 4 | 0 |
| Total | 6 | 1 | 1 | 5 | 0 |



Chainage: 396500-397000

Gap Analysis:

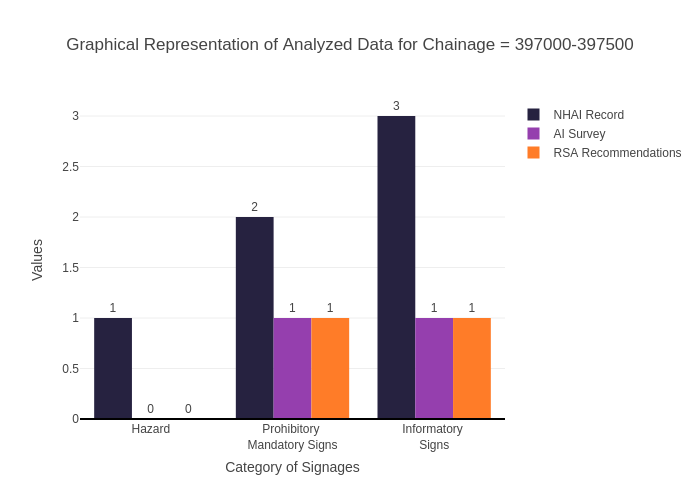
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 1 | 0 | 2 | 1 | 2 |
| Hazard | 1 | 0 | 0 | 1 | 0 |
| Prohibitory Mandatory Signs | 4 | 0 | 0 | 4 | 0 |
| Informatory Signs | 2 | 0 | 0 | 2 | 0 |
| Total | 8 | 0 | 2 | 8 | 2 |



Chainage: 397000-397500

Gap Analysis:

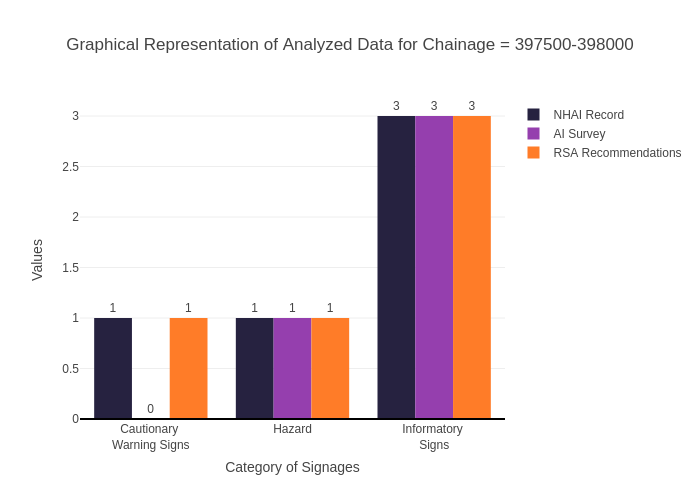
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 0 | 0 | 0 | 0 |
| Hazard | 1 | 0 | 0 | 1 | 0 |
| Prohibitory Mandatory Signs | 2 | 1 | 1 | 1 | 0 |
| Informatory Signs | 3 | 1 | 1 | 2 | 0 |
| Total | 6 | 2 | 2 | 4 | 0 |



Chainage: 397500-398000

Gap Analysis:

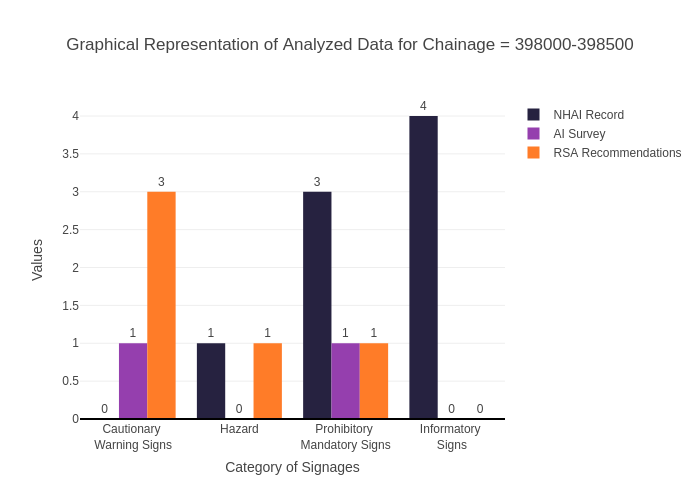
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 1 | 0 | 1 | 1 | 1 |
| Hazard | 1 | 1 | 1 | 0 | 0 |
| Prohibitory Mandatory Signs | 0 | 0 | 0 | 0 | 0 |
| Informatory Signs | 3 | 3 | 3 | 0 | 0 |
| Total | 5 | 4 | 5 | 1 | 1 |



Chainage: 398000-398500

Gap Analysis:

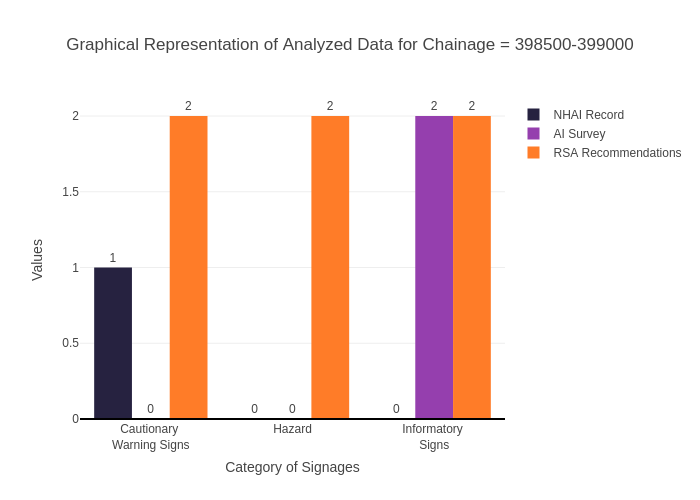
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 1 | 3 | -1 | 2 |
| Hazard | 1 | 0 | 1 | 1 | 1 |
| Prohibitory Mandatory Signs | 3 | 1 | 1 | 2 | 0 |
| Informatory Signs | 4 | 0 | 0 | 4 | 0 |
| Total | 8 | 2 | 5 | 6 | 3 |



Chainage: 398500-399000

Gap Analysis:

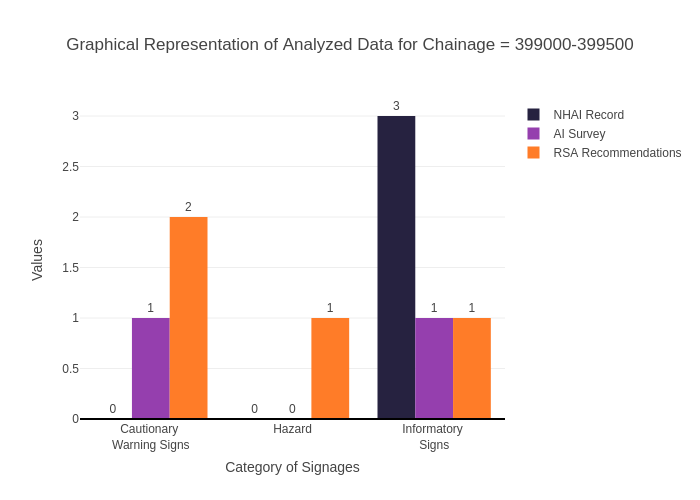
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 1 | 0 | 2 | 1 | 2 |
| Hazard | 0 | 0 | 2 | 0 | 2 |
| Prohibitory Mandatory Signs | 0 | 0 | 0 | 0 | 0 |
| Informatory Signs | 0 | 2 | 2 | -2 | 0 |
| Total | 1 | 2 | 6 | -1 | 4 |



Chainage: 399000-399500

Gap Analysis:

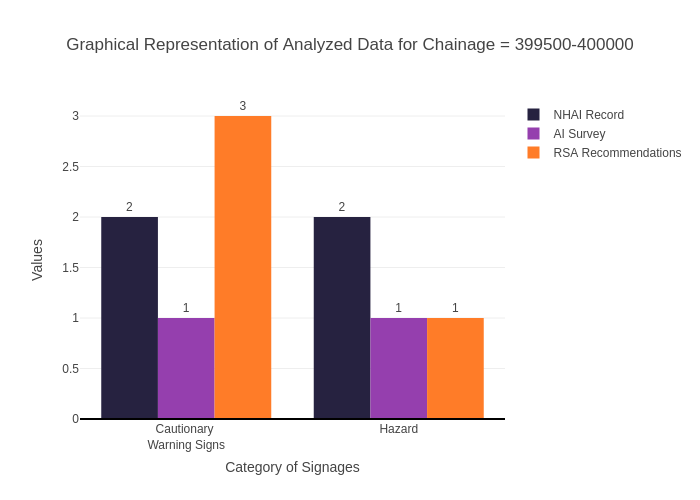
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 1 | 2 | -1 | 1 |
| Hazard | 0 | 0 | 1 | 0 | 1 |
| Prohibitory Mandatory Signs | 0 | 0 | 0 | 0 | 0 |
| Informatory Signs | 3 | 1 | 1 | 2 | 0 |
| Total | 3 | 2 | 4 | 1 | 2 |



Chainage: 399500-400000

Gap Analysis:

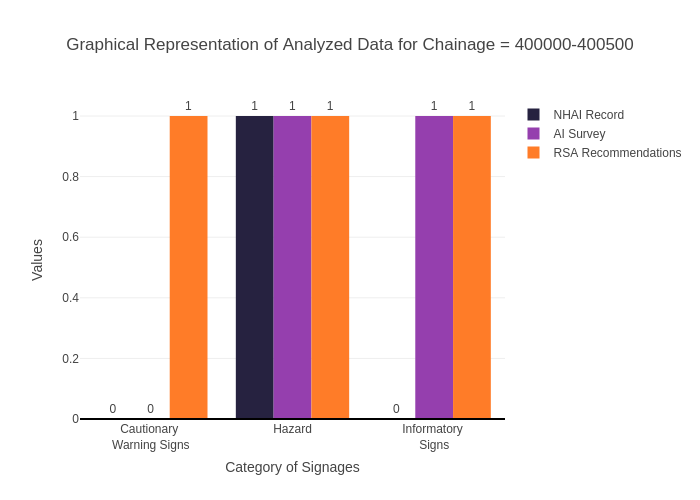
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 2 | 1 | 3 | 1 | 2 |
| Hazard | 2 | 1 | 1 | 1 | 0 |
| Prohibitory Mandatory Signs | 0 | 0 | 0 | 0 | 0 |
| Informatory Signs | 0 | 0 | 0 | 0 | 0 |
| Total | 4 | 2 | 4 | 2 | 2 |



Chainage: 400000-400500

Gap Analysis:

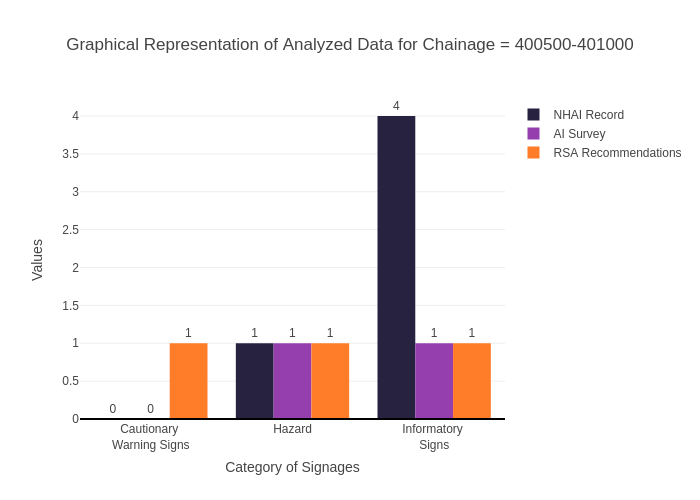
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 0 | 1 | 0 | 1 |
| Hazard | 1 | 1 | 1 | 0 | 0 |
| Prohibitory Mandatory Signs | 0 | 0 | 0 | 0 | 0 |
| Informatory Signs | 0 | 1 | 1 | -1 | 0 |
| Total | 1 | 2 | 3 | -1 | 1 |



Chainage: 400500-401000

Gap Analysis:

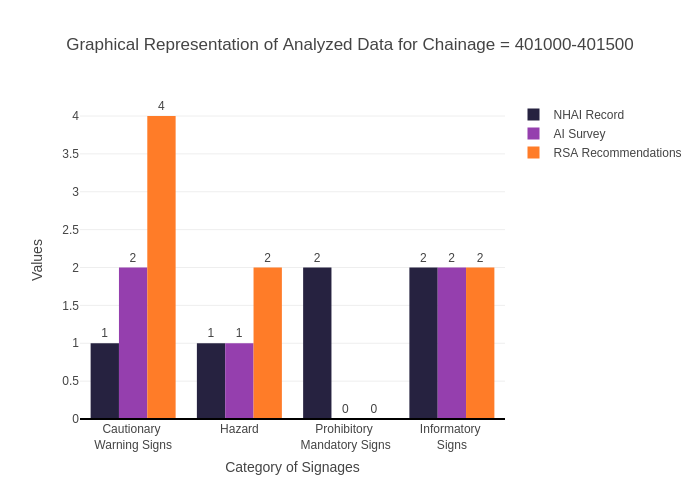
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 0 | 1 | 0 | 1 |
| Hazard | 1 | 1 | 1 | 0 | 0 |
| Prohibitory Mandatory Signs | 0 | 0 | 0 | 0 | 0 |
| Informatory Signs | 4 | 1 | 1 | 3 | 0 |
| Total | 5 | 2 | 3 | 3 | 1 |



Chainage: 401000-401500

Gap Analysis:

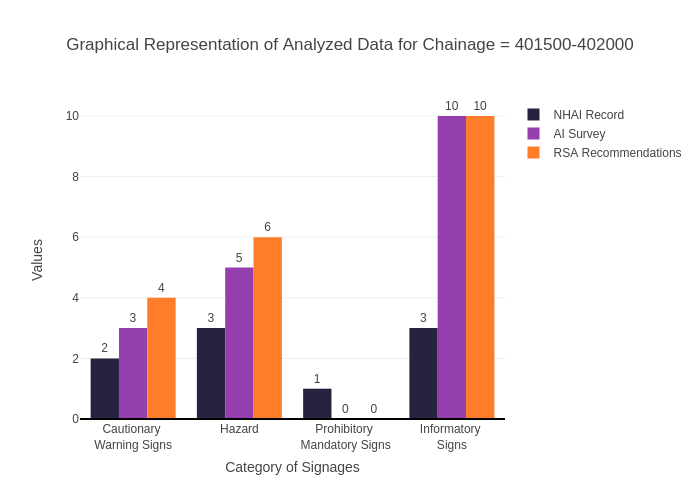
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 1 | 2 | 4 | -1 | 2 |
| Hazard | 1 | 1 | 2 | 0 | 1 |
| Prohibitory Mandatory Signs | 2 | 0 | 0 | 2 | 0 |
| Informatory Signs | 2 | 2 | 2 | 0 | 0 |
| Total | 6 | 5 | 8 | 1 | 3 |



Chainage: 401500-402000

Gap Analysis:

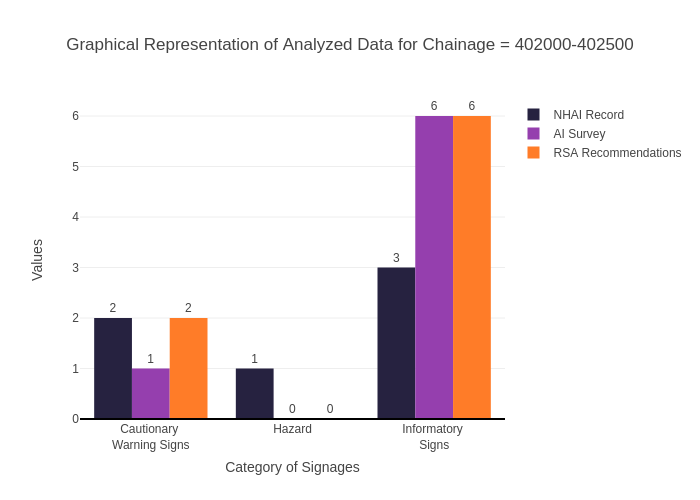
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 2 | 3 | 4 | -1 | 1 |
| Hazard | 3 | 5 | 6 | -2 | 1 |
| Prohibitory Mandatory Signs | 1 | 0 | 0 | 1 | 0 |
| Informatory Signs | 3 | 10 | 10 | -7 | 0 |
| Total | 9 | 18 | 20 | -9 | 2 |



Chainage: 402000-402500

Gap Analysis:

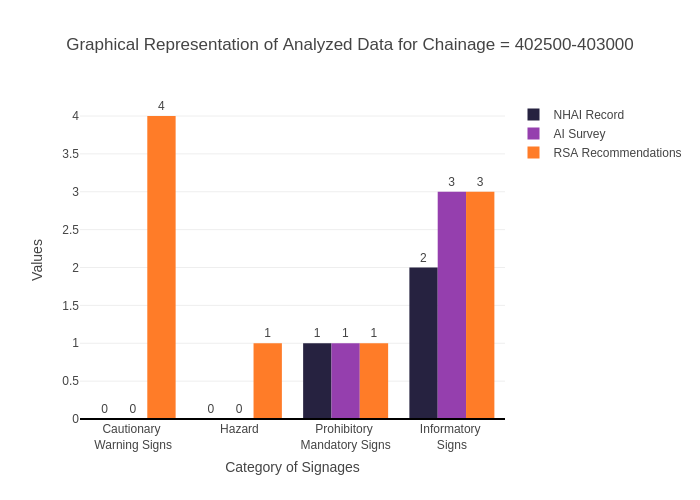
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 2 | 1 | 2 | 1 | 1 |
| Hazard | 1 | 0 | 0 | 1 | 0 |
| Prohibitory Mandatory Signs | 0 | 0 | 0 | 0 | 0 |
| Informatory Signs | 3 | 6 | 6 | -3 | 0 |
| Total | 6 | 7 | 8 | -1 | 1 |



Chainage: 402500-403000

Gap Analysis:

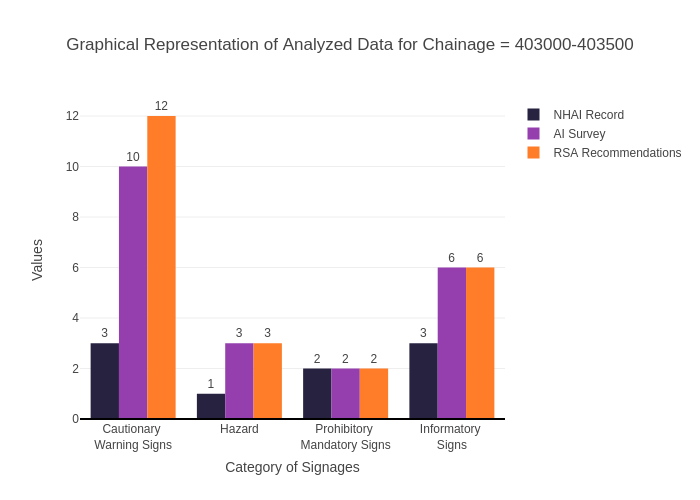
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 0 | 4 | 0 | 4 |
| Hazard | 0 | 0 | 1 | 0 | 1 |
| Prohibitory Mandatory Signs | 1 | 1 | 1 | 0 | 0 |
| Informatory Signs | 2 | 3 | 3 | -1 | 0 |
| Total | 3 | 4 | 9 | -1 | 5 |



Chainage: 403000-403500

Gap Analysis:

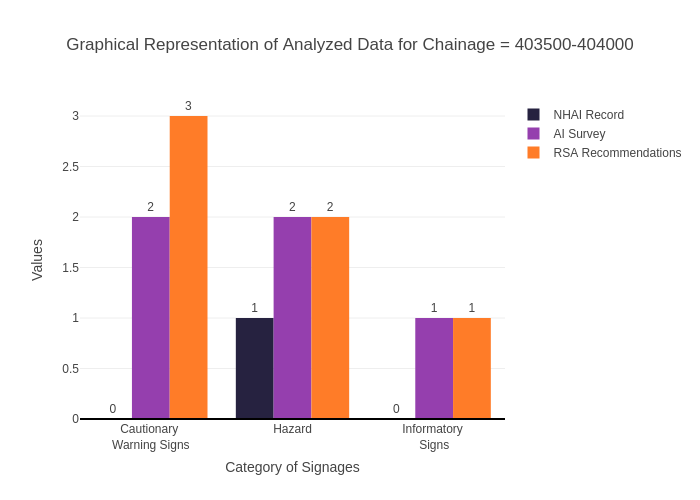
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 3 | 10 | 12 | -7 | 2 |
| Hazard | 1 | 3 | 3 | -2 | 0 |
| Prohibitory Mandatory Signs | 2 | 2 | 2 | 0 | 0 |
| Informatory Signs | 3 | 6 | 6 | -3 | 0 |
| Total | 9 | 21 | 23 | -12 | 2 |



Chainage: 403500-404000

Gap Analysis:

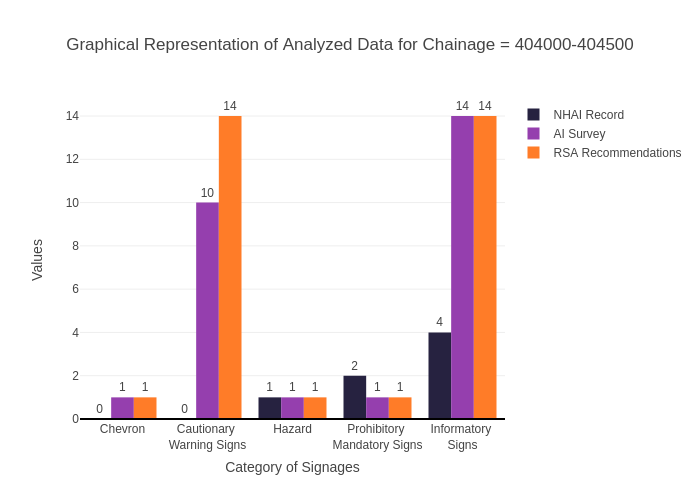
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 2 | 3 | -2 | 1 |
| Hazard | 1 | 2 | 2 | -1 | 0 |
| Prohibitory Mandatory Signs | 0 | 0 | 0 | 0 | 0 |
| Informatory Signs | 0 | 1 | 1 | -1 | 0 |
| Total | 1 | 5 | 6 | -4 | 1 |



Chainage: 404000-404500

Gap Analysis:

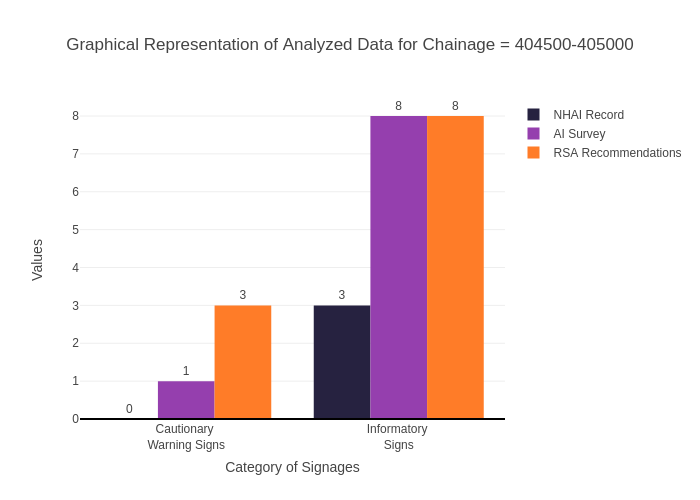
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 1 | 1 | -1 | 0 |
| Cautionary Warning Signs | 0 | 10 | 14 | -10 | 4 |
| Hazard | 1 | 1 | 1 | 0 | 0 |
| Prohibitory Mandatory Signs | 2 | 1 | 1 | 1 | 0 |
| Informatory Signs | 4 | 14 | 14 | -10 | 0 |
| Total | 7 | 27 | 31 | -20 | 4 |



Chainage: 404500-405000

Gap Analysis:

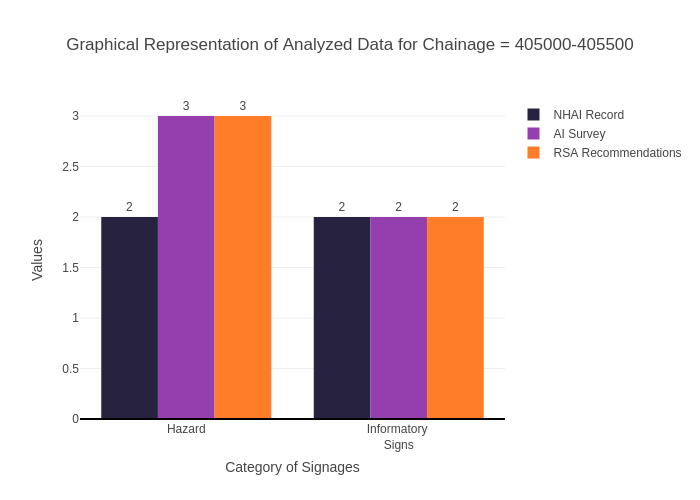
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 1 | 3 | -1 | 2 |
| Hazard | 0 | 0 | 0 | 0 | 0 |
| Prohibitory Mandatory Signs | 0 | 0 | 0 | 0 | 0 |
| Informatory Signs | 3 | 8 | 8 | -5 | 0 |
| Total | 3 | 9 | 11 | -6 | 2 |



Chainage: 405000-405500

Gap Analysis:

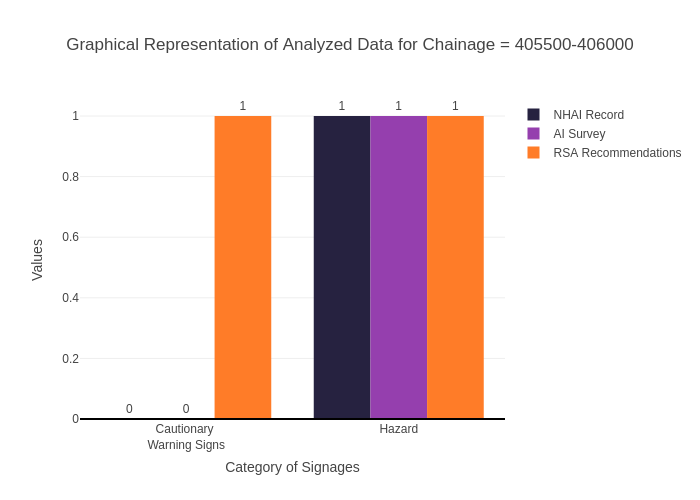
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 0 | 0 | 0 | 0 |
| Hazard | 2 | 3 | 3 | -1 | 0 |
| Prohibitory Mandatory Signs | 0 | 0 | 0 | 0 | 0 |
| Informatory Signs | 2 | 2 | 2 | 0 | 0 |
| Total | 4 | 5 | 5 | -1 | 0 |



Chainage: 405500-406000

Gap Analysis:

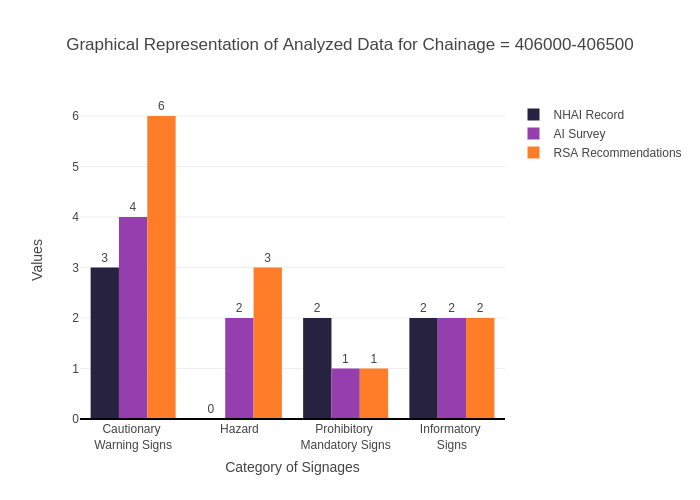
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 0 | 1 | 0 | 1 |
| Hazard | 1 | 1 | 1 | 0 | 0 |
| Prohibitory Mandatory Signs | 0 | 0 | 0 | 0 | 0 |
| Informatory Signs | 0 | 0 | 0 | 0 | 0 |
| Total | 1 | 1 | 2 | 0 | 1 |



Chainage: 406000-406500

Gap Analysis:

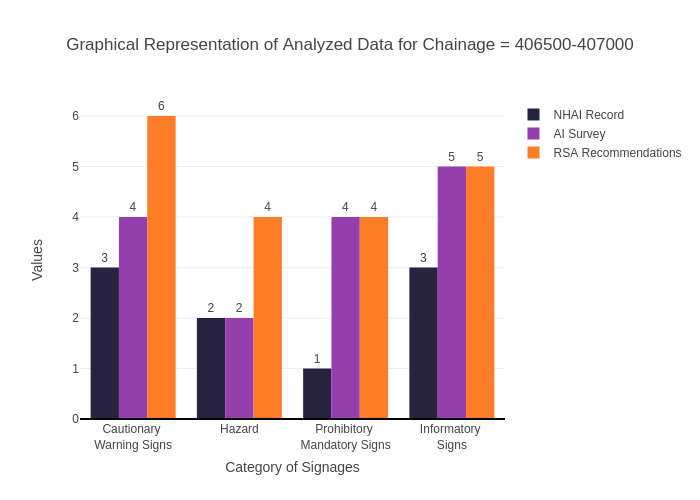
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 3 | 4 | 6 | -1 | 2 |
| Hazard | 0 | 2 | 3 | -2 | 1 |
| Prohibitory Mandatory Signs | 2 | 1 | 1 | 1 | 0 |
| Informatory Signs | 2 | 2 | 2 | 0 | 0 |
| Total | 7 | 9 | 12 | -2 | 3 |



Chainage: 406500-407000

Gap Analysis:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 3 | 4 | 6 | -1 | 2 |
| Hazard | 2 | 2 | 4 | 0 | 2 |
| Prohibitory Mandatory Signs | 1 | 4 | 4 | -3 | 0 |
| Informatory Signs | 3 | 5 | 5 | -2 | 0 |
| Total | 9 | 15 | 19 | -6 | 4 |



Chainage: 407000-407100

Gap Analysis:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category of Signages** | **Nos. of Signages As per NHAI record** | **Nos. of Signages Based on the AI Survey** | **Total signages required including Existing and RSA recommendation (AI + Δ RSA)** | **Gap Based on NHAI record , (-) represents excess signs boards w.r.t NHAI record** | **Gap Based on RSA recommendation** |
| Chevron | 0 | 0 | 0 | 0 | 0 |
| Cautionary Warning Signs | 0 | 0 | 0 | 0 | 0 |
| Hazard | 0 | 0 | 0 | 0 | 0 |
| Prohibitory Mandatory Signs | 0 | 0 | 0 | 0 | 0 |
| Informatory Signs | 2 | 8 | 8 | -6 | 0 |
| Total | 2 | 8 | 8 | -6 | 0 |

