

Presentation on Black Spots under Jurisdiction of NHAI, RO-MUMBAI

By

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PIUs under RO Mumbai

Number of **Black Spots under NHAI RO Mumbai
Jurisdiction :- 1300 Km of NHs in Maharashtra**

PIUs	Nos. of Black Spots	Black Spots on NHs
Pune	5	NH-4
Solapur	5	3 - NH-9 and 2- NH-211
Nashik	4	3 -NH-3 and 1- NH-50
Panvel	1	NH-17/4B

PIU PUNE

- Black Spots details under PIU Pune

Sr. No.	Black Spot Name	Chainage	NH No.	MH Code
1	Toapgaon to Kasarwadi	Km 624.600	NH-4	MH-007
2	Malkapur	Km 680 to 682.400	NH-4	MH-023
3	Masoor Phata	Km 697.800	NH-4	MH-024
4	Kashil	Km 708	NH-4	MH- 025
5	Velu	Km 822.950	NH-4	MH-014

1. Toapgoan to Kasarwadi (Km 624.600) MH-007 on NH-4 Dist. Kolhapur

Reason of Black Spot : T junction and steep slope

Improvement done :

Permanent (Long term) measures required: Feasibility report for six laning of Satara - Kagal Section of NH-4 is under finalisation through MSRDC (Present Concessionaire).

Temporary (Short term) measures : Solar Blinkers -3 Nos, Thermoplastic painting, Rumbler Strips, Zebra Crossing, Direction board -2 Nos, Speed Limit boards-2 Nos, Chevron boards -24 Nos, Delinators -21 Nos, Cats Eyes -16 Nos



2. Malkapur(Km 680 to 682.400) MH-023 on NH-4 Dist. Satara

Reason of Black Spot : Steep slope & habitation

Improvement done :

Permanent (Long term) measures required: Feasibility report for six laning of Satara - Kagal Section of NH-4 is under finalisation through MSRDC (Present Concessionaire).

Temporary (Short term) measures : Blinkers- 2 Nos, Thermoplastic painting/Zebra Crossing, Rumbler Strips, Median Marker



3. Masoor Phata (Km 697.8400) MH-024 on NH-4 Dist. Satara

Reason of Black Spot : T Junction Road

Improvement done :

Permanent (Long term) measures required: Feasibility report for six laning of Satara - Kagal Section of NH-4 is under finalisation through MSRDC (Present Concessionaire).

Temporary (Short term) measures: Solar Blinkers -2 Nos Thermoplastic painting -99.72 Sqm, Zebra Crossing - 58.20 Sqm , Rumbler Strips -61.63 Sqm, Direction board - 3 Nos Chevron boards - 13 Nos, Speed limit 50 Board -2 Nos, Hazard Marker Boards - 2 Nos Delinators -19 Nos, Cats Eyes - 50 Nos



4. Kashil(Km 708) MH-025 on NH-4 Dist. Satara

Reason of Black Spot : Cross pedestrian traffic on steep descend

Improvement done :

Permanent (Long term) measures required: Feasibility report for six laning of Satara - Kagal Section of NH-4 is under finalisation through MSRDC (Present Concessionaire).

Temporary (Short term) measures Solar Blinkers -- 2 Nos Thermoplastic painting, Rumbler strips , Cat eyes - 15 Nos, Speed limit 50 Board -2 Nos, Direction Board - 2 Nos



PIU SOLAPUR

- Black Spots details under PIU Solapur

Sr. No.	Black Spot Name	Chainage	NH No.	MH Code
1	Naldurg Ghat	Km 295.400	NH-9	MH-012
2	Omerga	Km 328	NH-9	MH-010
3	Boramani	Km 258.687	NH-9	MH-026
4	Malumbra	Km 29	NH-211	MH- 013
5	Osmanabad Bypass	Km 60.127	NH-211	MH-011

Naldurg Ghat MH 012 on NH-9 Dist. Osmanabad

Reason of Black Spot : Narrow bridge in valley on sharp curve

Improvement done :

Permanent (Long term) measures required: Realignment for about 1.5 Km is in progress in 4 laning of Solapur- MH/KNT Border section.

Temporary (Short term) measures:- Rumbler Strips at both sides of locations, 6 nos. At each location and sign boards 2 nos. already provided.



Omerga (Km 328) MH-010 on NH-9 Dist. Osmanabad

Reason of Black Spot : Narrow Bridge in built up/Market area with a cross movement of traffic/pedestrians

Improvement done :

Permanent (Long term) measures required: Bypass (6 Km Length) is in progress in 4 laning of Solapur-MH/KNT Border section.

Temporary (Short term) measures:- Proper signage's like go slow, accident prone area have already been provided in this stretch.



Boramani (Km 258.687) MH-026 on NH-9 Dist. Solapur

Reason of Black Spot : Narrow bridge on curve

Improvement done :

Permanent (Long term) measures required: : Adjacent 3 lane bridge is in progress (Cap level) after diversion of traffic existing (2 lane) bridge is to be dismantled to reconstruct 3 lane bridge in 4 laning of Solapur- MH/KNT Border section.

Temporary (Short term) measures:- Rumbler strips on both sides of bridge have been provided along with signages.



Malumbra (Km 29) MH-013 on NH-211 Dist. Solapur

Reason of Black Spot : Existing Road having Sharp s-type hair pin Curve in Malumbra Village with Narrow Bridge.

Improvement done :

Permanent (Long term) measures required: Realignment for @1 Km is in progress in 4 laning of Solapur-Yedshi Section for Mhalumbra village

Temporary (Short term) measures:- Signages for Narrow Bridge & Curve provided, Necessary Rumbler strips have been provided to slow down speed. Existing RCC Damaged Railing has been repaired and temporary wall with safety precaution has been constructed.



Osmanabad Bypass (Km 60.27) MH-011 on NH-211 Dist. Osmanabad

Reason of Black Spot : Y Junction in Osmanabad City.

Rectification work done/being done:

Short Term Measures: - All safety measures have been taken by the Concessionaire i.e. Sign boards provided. Necessary speed breakers have been provided to constraint the s

Long Term Measures: - As per Concession Agreement proposed the construction of new VUP at Ch. 58+968 (existing Km. 60+127) is in programme up to superstructure and this may completed by end of November 2016 which will permanently eliminate the said Black Spot. Traffic blinkers provided at both end of this location.



PIU NASHIK

- Black Spots details under PIU Nashik

Sr. No.	Black Spot Name	Chainage	NH No.	MH Code
1	Ghoti Sinner Road	Km 453.800	NH-3	MH-030
2	New Kasara Ghat	Km 470.500	NH-3	MH-033
3	Khandvali Junction	Km 528.200	NH-3	MH-034
4	Gurewadi	Km 179.800	NH-50	MH- 009

1. Ghoti Sinner Road(Km 453.800) MH-030 on NH-3 Dist. Nashik

Reason of Black Spot : At grade T-Junction, descend on one arm of T-Junction coupled with habitation at junction.

Rectification work done/being done:

Short Term Measures: - Construction of VUP / Flyover is required. DPR (RFP) for Six laning of the section under Capacity Augmentation is in progress. Expected time to complete the same (VUP/flyover) is December 2018.

Temporary (Short term) measures : Rectification work done/being done :

a) Road signs, such as median breaks, cluster, Go Slow, speed limit etc. installed. b) Solar Blinkers at junction installed in both directions of the carriageways. c) Cautionary Road Signs installed. d) Road reflective studs installed. e) Thermoplastic Road Marking provided.



2. New Kasara Ghat (Km 470.500) MH-033 on NH-3 Dist. Thane

Reason of Black Spot : Continuous descend coupled sharp curve in Ghat

Improvement Done:

Permanent (Long term) measures required: DPR (RFP) for Six lane of Vadape-Gonde section from bidding is under process. Flyover shall be proposed at this location curve shall be improved at this location.

Temporary (Short term) measures :

a) Micro surfacing and BC layer provided on the carriageway as part of periodical maintenance. b) Sand bags to act as crash attenuators are provided. c) Installation of Solar Blinkers at Junction for both direction of the carriageways is under progress. d) Road reflective studs installation under progress. e) **Additional Cautionary** Road Signs installed. f) Thermoplastic Road Marking.



3. Khandavli Junction(Km 528.200) MH-034 on NH-3 Dist. Thane

Reason of Black Spot : At grade T-Junction on High embankment of Major bridge on descending gradient causing acceleration/over speeding.

Improvement Done:

Permanent (Long term) measures required: COS order issued vide NHAI Lr. No.176, Dtd. 15.04.2014, however, concessionaire didn't take up the work under the pretext of non workable rates. Proposal (with updation of rates) is under process at PIU Nashik level for approval of Competent Authority.

Temporary (Short term) measures : Rectification work done/being done :

- a) Solar Blinkers Installed at Junction for both direction of the carriageways. b) High mast light provided. c) Cautionary Road Signs provided. d) Road reflective studs. e) Thermoplastic marking.



4. Gurewadi Junction(Km 179.800) MH-009 on NH-50 Dist. Nashik

Reason of Black Spot : At – grade X junction on 2 – lane NH with ODR-168 (Manegoan to Musalgon Road) with steeper slope on approach of ODR road as ODR is at low level than NH.

Long-term rectification work(s) completed in Jan 2017 ::

Gurewadi junction has been developed under 4 – lanning of **Khed - Sinnar** section in conformity with IRC specifications & in addition, following safety measures have been provided at junctions.



PIU PANVEL

- Black Spots details under PIU Panvel

Sr. No.	Black Spot Name	Chainage	NH No.	MH Code
1	Palaspe	Km 0.250	NH-17/4B	MH-022



PALASPE (Km 0.250) MH-022 on NH-17/4B Dist. Raigad

Reason of Black Spot : At grade Junction of NH-17 & NH-4B coupled with pedestrian traffic.

Improvement done :

Permanent (Long term) measures required: Flyover proposed in Widening to (6/8 lane) of NH-4B & SH -54, JNPT Port connectivity (PKG-IV) Project, work started in May 2016, works is in progress.

Temporary (Short term) measures :

Rectification work done/being done : Necessary signs boards & channelizes provided, heavy pot holes repaired, High mast light provided.

Year	Accident (Nos.)
2012	2
2013	2
2014	2
2015	0
2016	0

Thank you