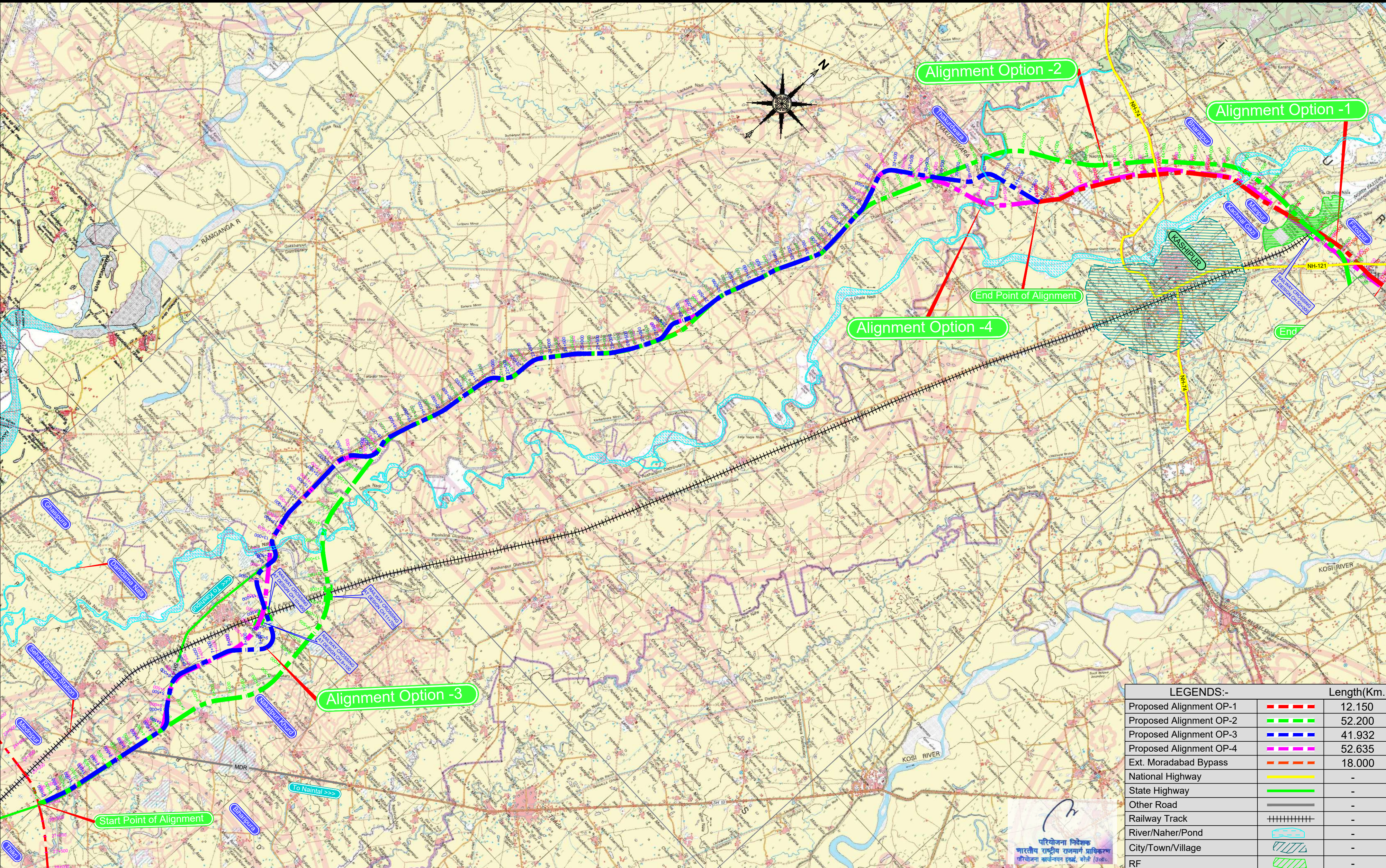


DATE: 01/12/2021 - 1:23pm  
PATH: \\10.111.136.82\\live-Projects\\\_SAI INDIA\\CAD PROJECTS\\CAD\_Project\\TDR-218008\_KASHIPUR BYPASS\\12K WORK\\R12K004\_X.dwg



LEGENDS:-		Length(Km.)
Proposed Alignment OP-1		12.150
Proposed Alignment OP-2		52.200
Proposed Alignment OP-3		41.932
Proposed Alignment OP-4		52.635
Ext. Moradabad Bypass		18.000
National Highway		-
State Highway		-
Other Road		-
Railway Track		-
River/Nahe/Pond		-
City/Town/Village		-
RF		-

KEY PLAN :

CLIENT :

NATIONAL HIGHWAYS AUTHORITY OF INDIA  
(Ministry of Road Transport & Highways, Government of India)

PROJECT :

CONSULTANCY SERVICES FOR  
Preparation of DPR for bypass/ring roads around Gorakhpur, Bareilly, Moradabad, Kanpur and Ayodhya in the State of Uttar Pradesh under NHDP Phase-VII

CONSULTANT :

SAI Consulting Engineers Pvt. Ltd.  
An ISO 9001 Certified Company

PA	01/12/2021	ALIGNMENT PLAN	H.C.	-	M.B.	M.J.
REV.	DATE	DESCRIPTION OF REVISION	DRAWN	DESIGN	CHECK	APPRO.

SCALE:- NTS

MORADABAD - KASHIPUR BYPASS  
(NORTH QUADRANTS)

ALIGNMENT PLAN

DRG. NO. :

REVISION : PA



Sl. No.	Description	Option 1 – Proposed by Sowil Limited	Option 2 – Modified Option as per NHAI Instructions	Option 3 – Prepared by SAI Consultant
1	Total Length of Project (Kms)	54.000	52.650	52.000
2	Brown Field (Existing)	28.000	22.000	17.000
3	Green Field (Proposed)	26.000	30.650	35.000
4	Design Speed (Kmph)	<100	100	100
5	Geometry	04 nos. Sub Standard curve (Radius < 400m)	As per Specification	As per Specification
6	No. of ROB/RUB	2	2	2
7	No. of Major Bridges, Underpass & Trumpet	Major Bridges -2 Under passes – 8 Clover leaf / Trumpet - 2	Major Bridges -2 Under passes – 7 Clover leaf / Trumpet - 2	Major Bridges -2 Under passes – 7 Clover leaf / Trumpet - 2
8	Environmental issues (Viz. Forest and Wildlife)	Yes (EC & Protected Forest Clearance Needed)	Yes (EC & Protected Forest Clearance Needed)	Yes (EC & Protected Forest Clearance Needed)
9	Social & Environmental Impact due to Demolition of Structures / Felling of Trees	Very High, since alignment passes through dense built-up area & many residential / commercial buildings have to be demolished and many numbers of trees needs to be cut on both side of road.	High, since alignment is passing through dense built-up areas & approximately 250-300 residential / commercial buildings can be saved from the original option. Also saved many trees by considering the eccentric widening option.	Low, since acquisition involve mainly agricultural land only & many residential / commercial buildings can be saved from the original option. Also saved many trees by considering the eccentric widening option.
10	Civil Cost (Rs cr.)	1254	1211	1196
11	Land Acquisition for Bypasses (Ha.)	156	184	210
12	Preferences	3	2	1



The Competent Authority considering various technical, economical and the various development proposals being implemented along the project stretch has **approved for the alignment option 3 measuring length of 52 Km** during the LA Committee meeting held at NHAI HQ on 03.06.2021 in its 43<sup>rd</sup> LA Committee meeting and information regarding approval is received from NHAI, vide MOM no. LA/11013/LACMinutes/2020 (computer no. 5369) dated 10.06.2021.