الطرق السيارة بالمغرب
Autoroutes du Maroc

ADM's drainage standards guide

IRF YOUNG PROFESSIONALS SUMMIT 2023

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Design	Construction	Maintenance

- **1750 Km** of highways in operation
- **140 Km** of highways under construction

ADM's standard drainage guide

Hydrological studies

Hydraulic studies

Feed back of executed solutions

ADM's drainage standard guide

ADM's drainage standards guide

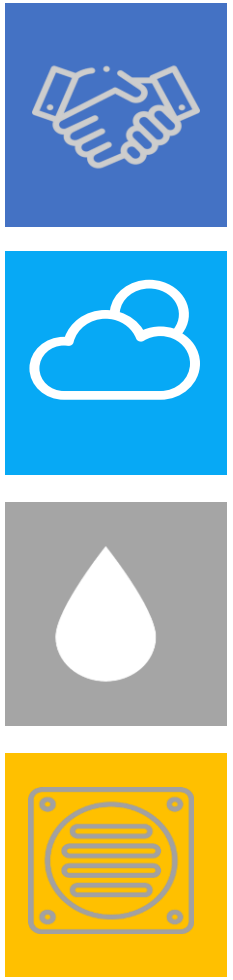
- Applicable to **all hydrological and hydraulic studies** in Morocco
- This guide **summarizes the company's feedback** from studies curried out throughout the years
- Contains **the calculation methodology and the provisions** to be considered in the design of highway structures

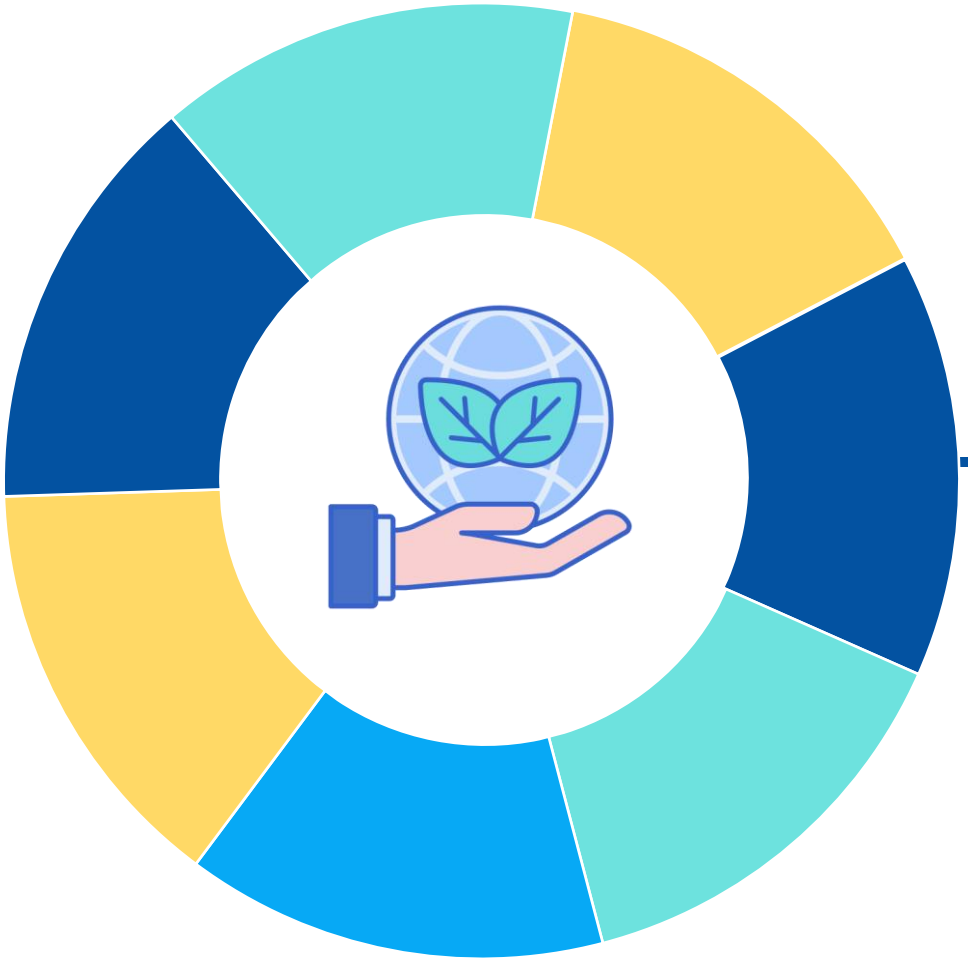
01 Introduction

02 Hydrology

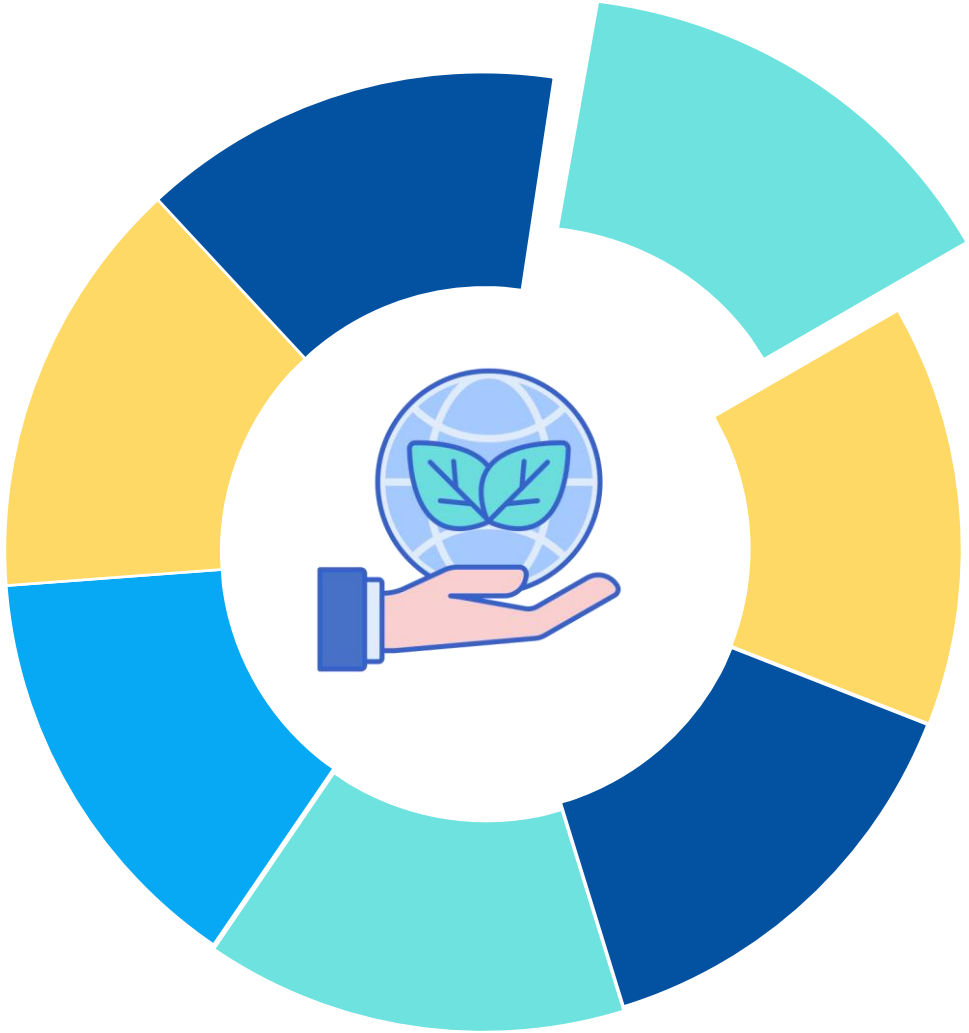
03 Hydraulics

04 Surface drainage



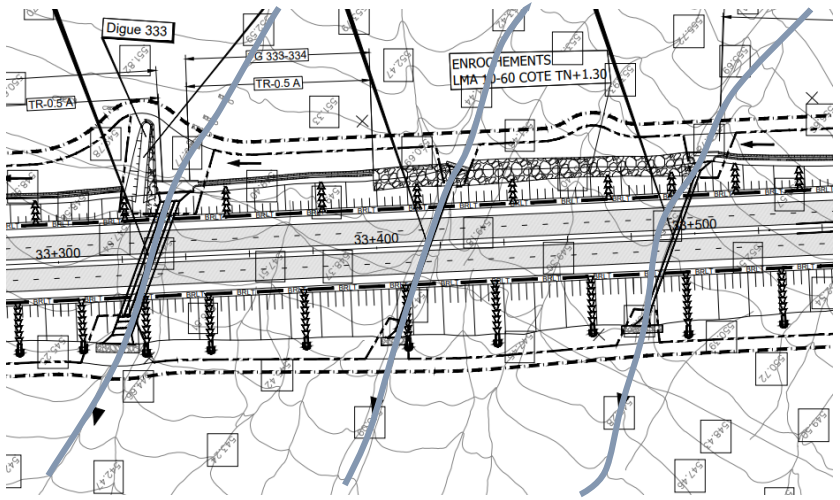


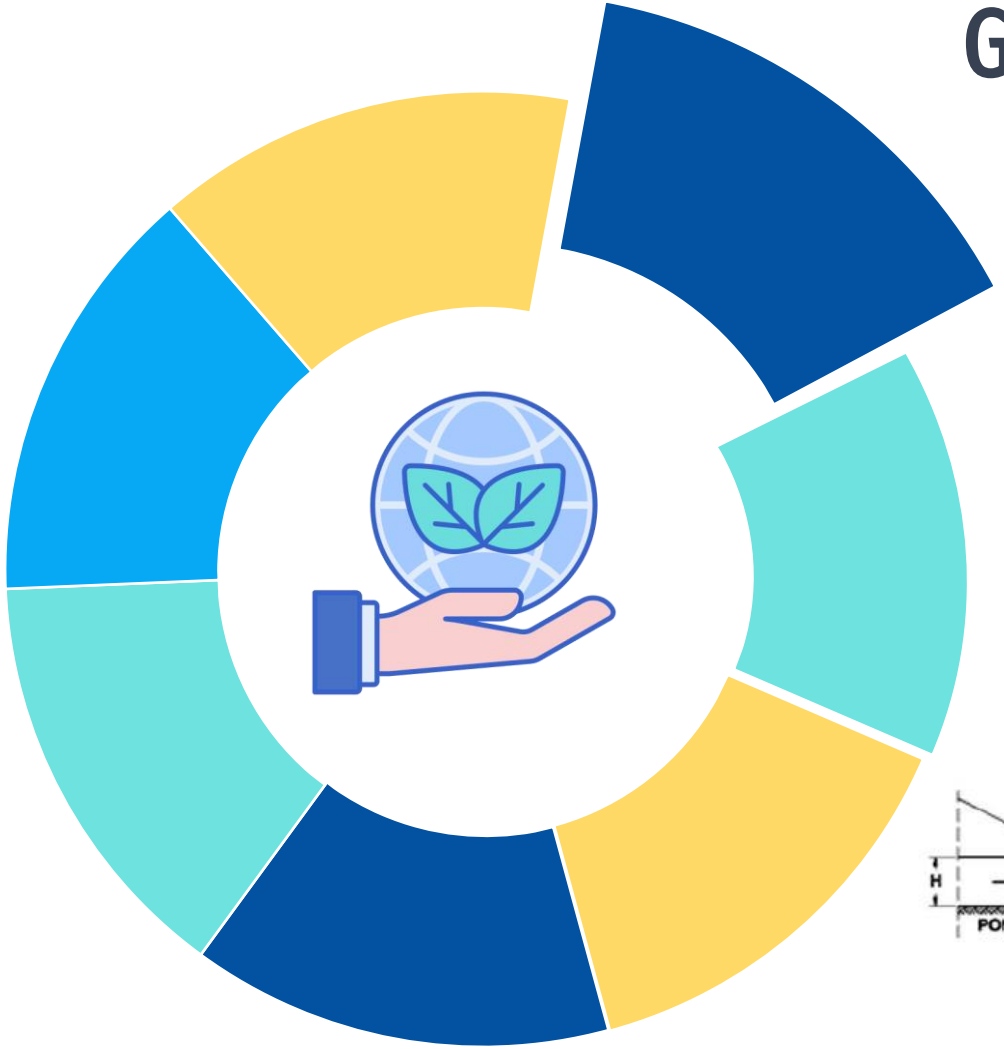
The guide precisely emphasizes provisions and components that facilitate the platform's integration into its environment while preserving nature from any negative impacts that the highway platform might cause.



Culvert Placement

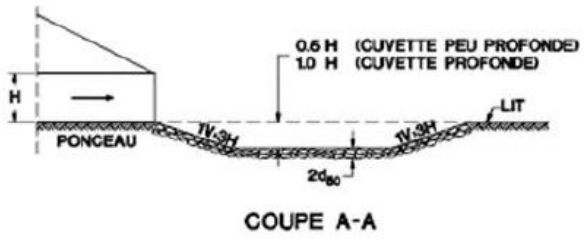
Culverts are meticulously positioned within the natural watercourse channel to avoid disrupting the ecosystems associated with the channel.



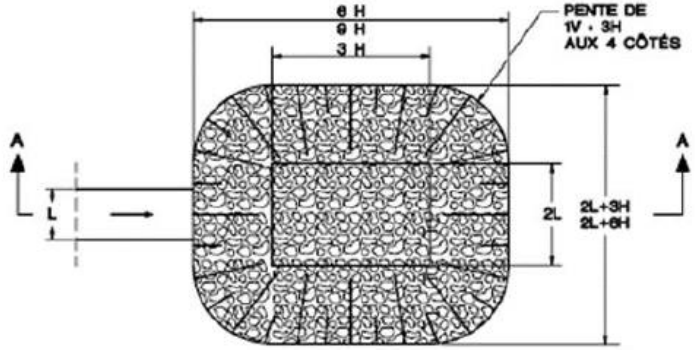


Ground Protections for Culverts

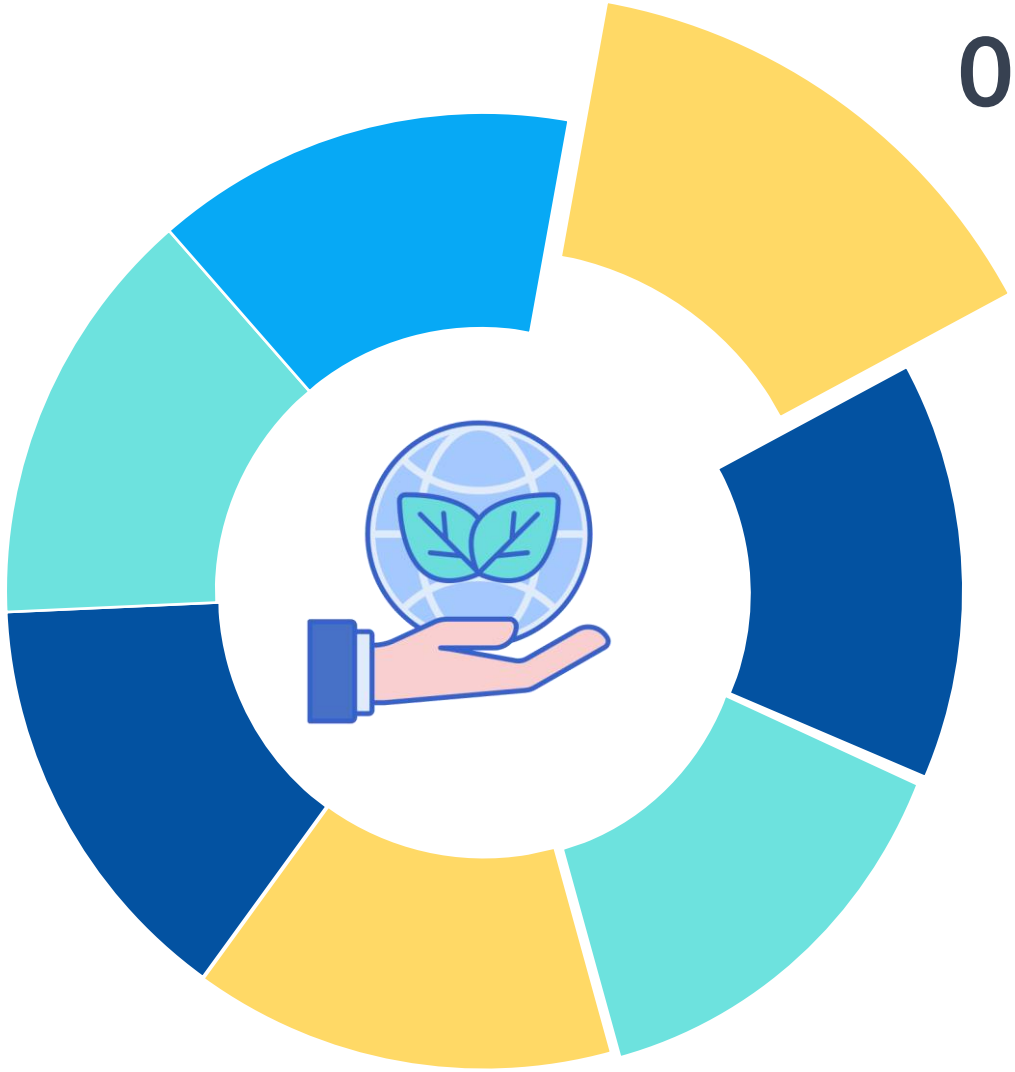
Protective measures are essential downstream and upstream of the culverts to minimize the impact of water collection within the culvert on the surrounding ground.



COUPE A-A

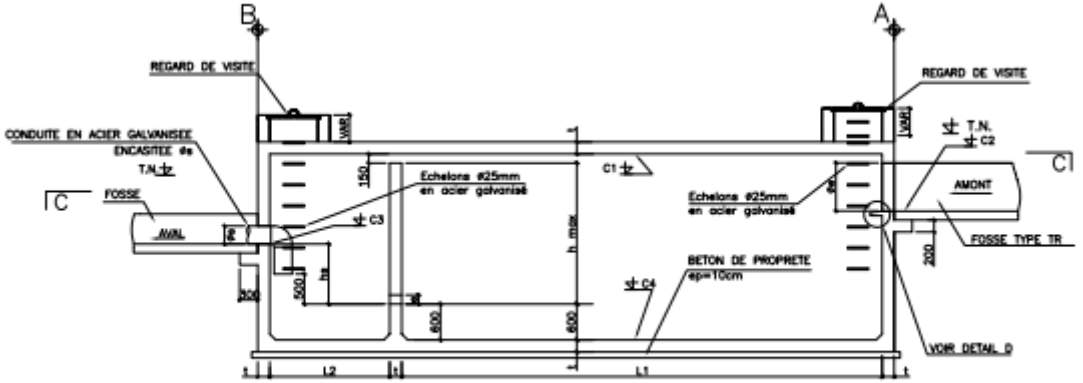


PLAN



Oil Separator Implementation

Automatic installation of oil separator devices is required for bridges crossing watercourses. These devices effectively store and separate oils from water collected by the sideline ditches before redirecting the filtered water into the natural channel.



Conclusion

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THANK YOU FOR YOUR ATTENTION

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