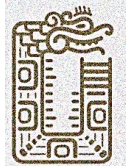




# MAYAN TRAIN SECTION 4

**ING. MIGUEL ANGEL BANUET RODRIGUEZ**



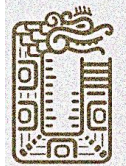
1837



CURRENT RAIL NETWORK

1990

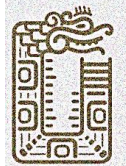




### GEOGRAPHIC LOCATION- MEXICAN SOUTH - EAST





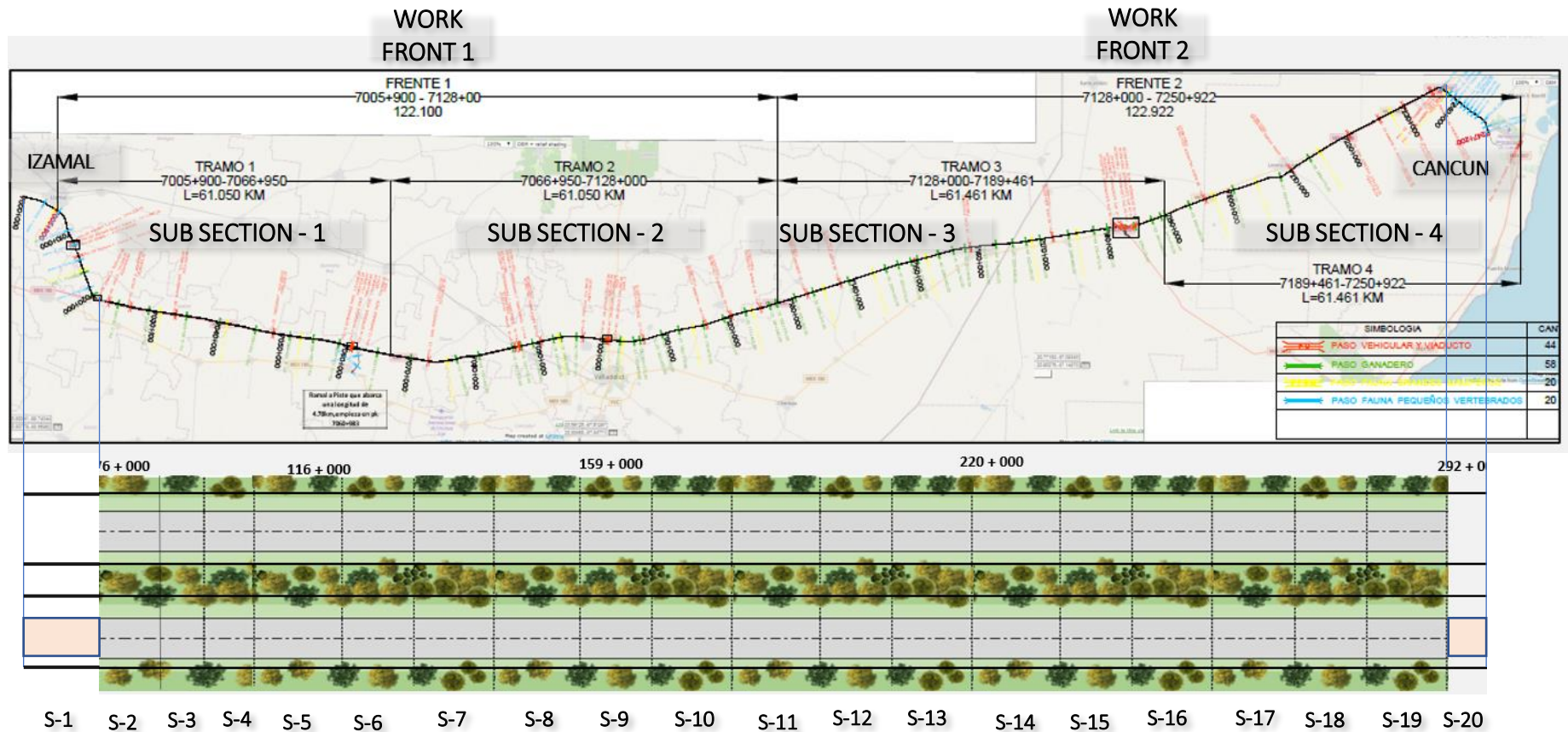
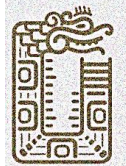


### LAYOUT OF THE RAILWAY – 7 SECTIONS



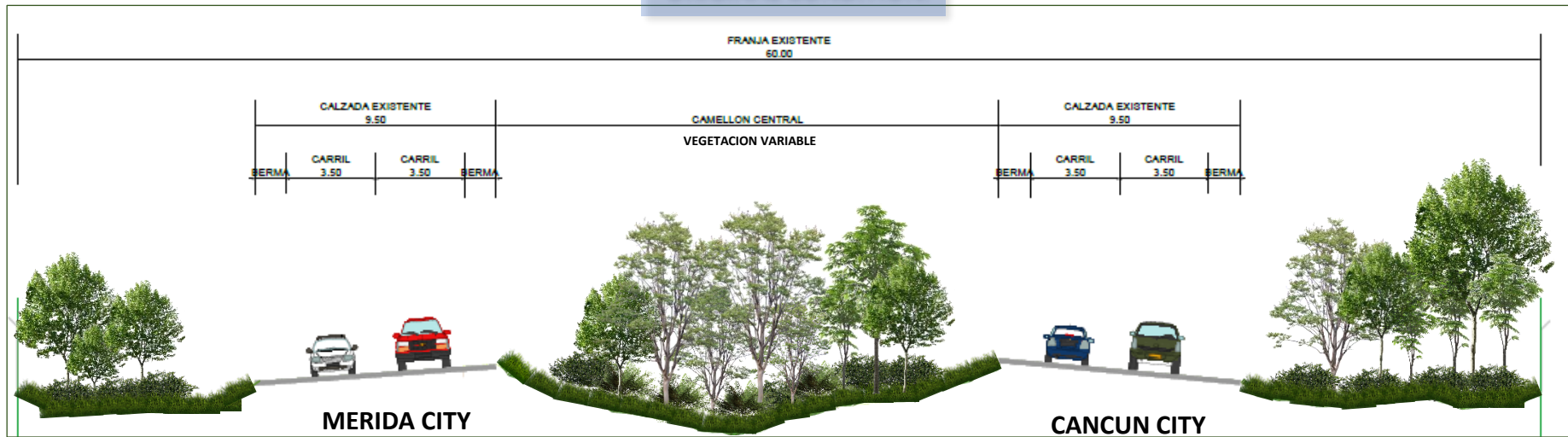
SECTION 4 - 250 KM LENGTH.



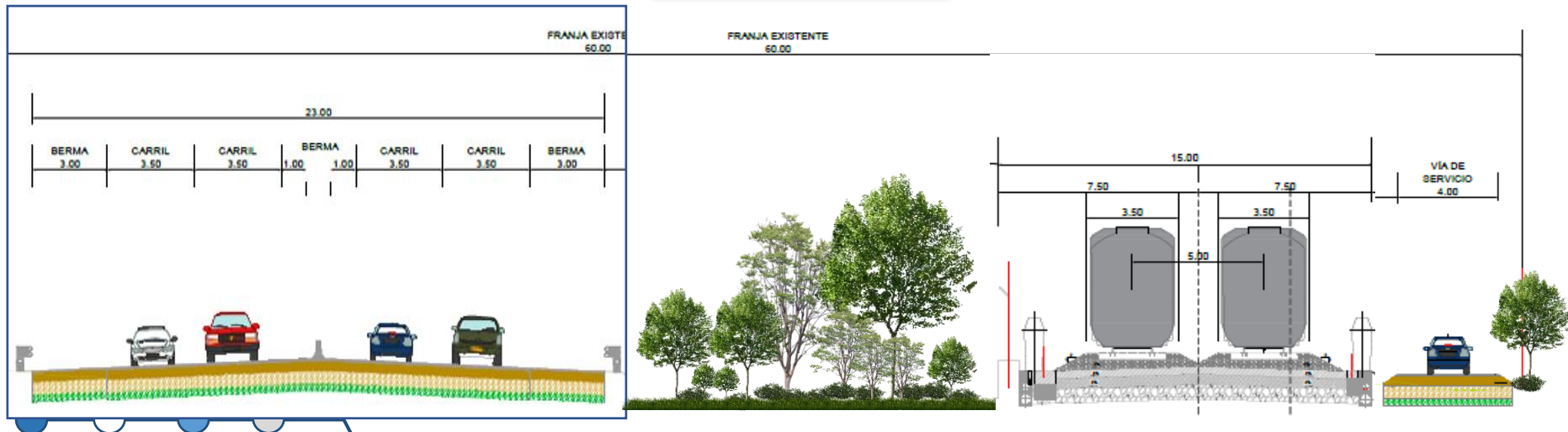


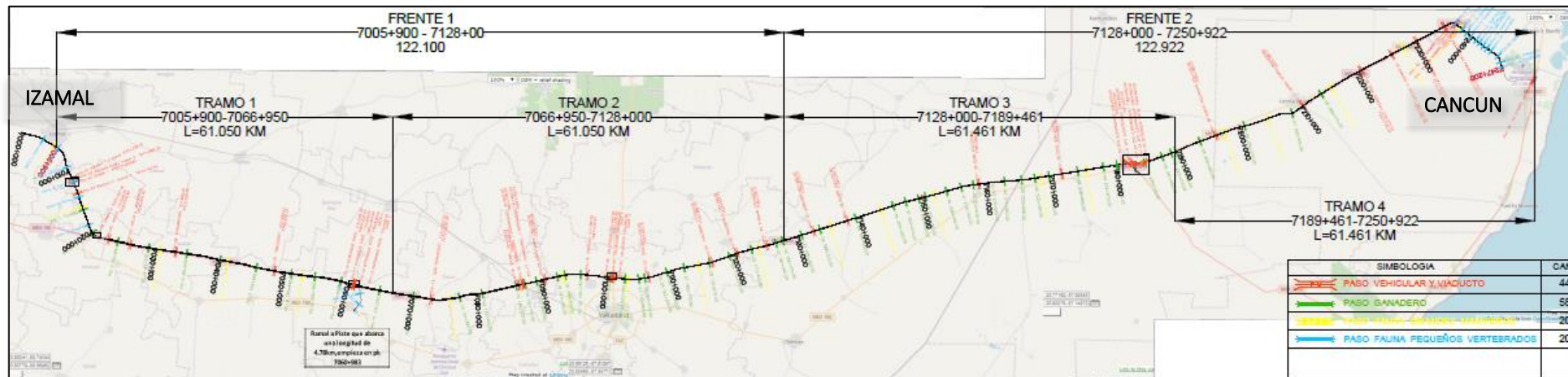


## ORIGINAL CONDITION.

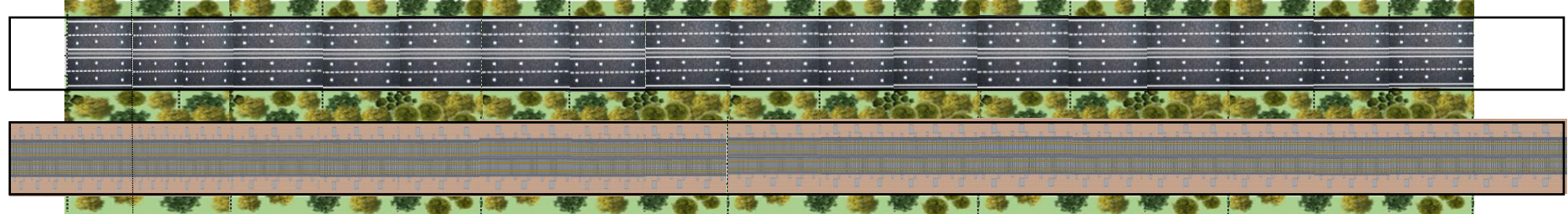


## FINAL CONDITION.





76 + 000      116 + 000      159 + 000      220 + 000      292 + 000

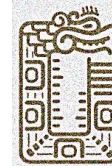


S-1   S-2   S-3   S-4   S-5   S-6   S-7   S-8   S-9   S-10   S-11   S-12   S-13   S-14   S-15   S-16   S-17   S-18   S-19   S-20

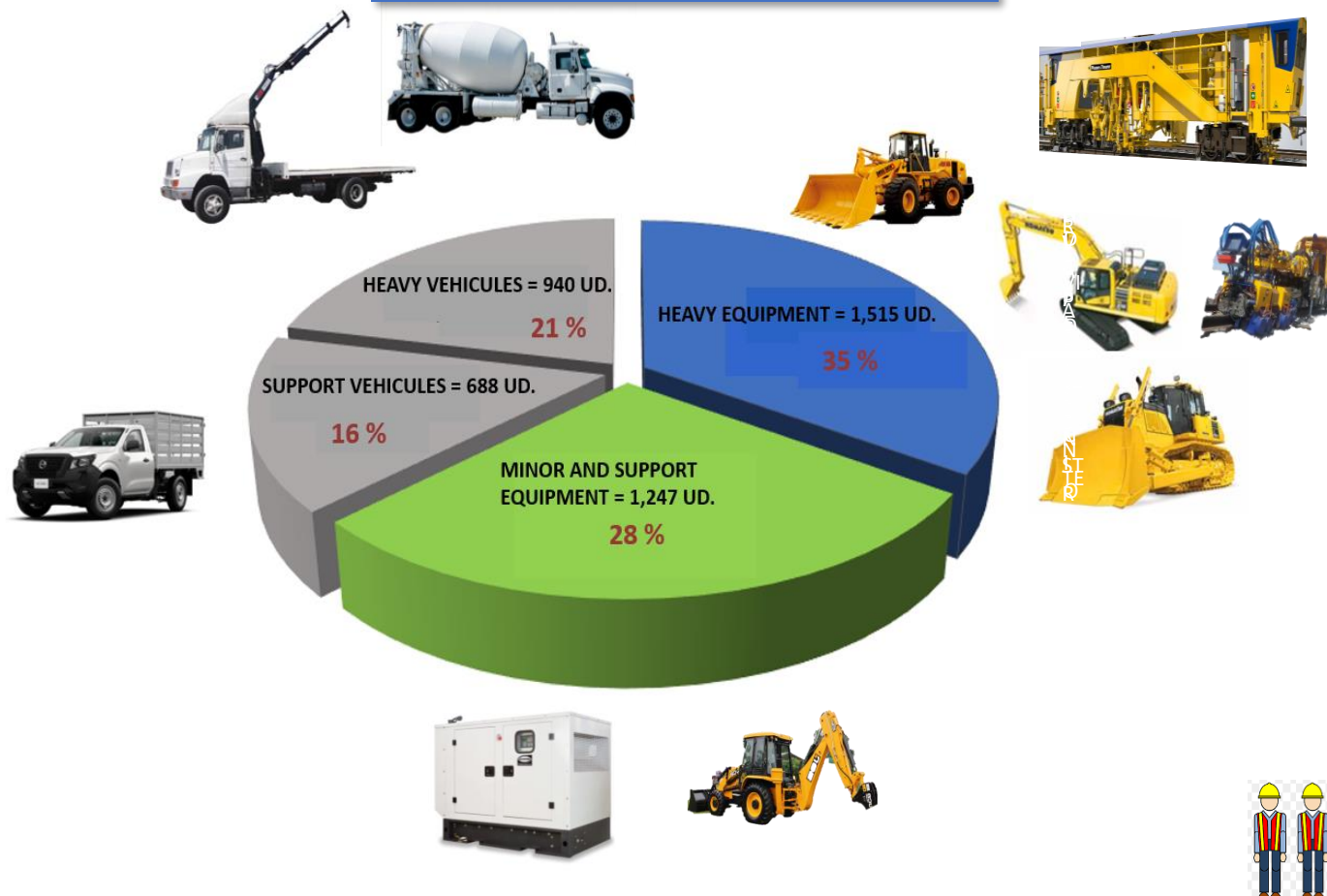
20 - SUB SEGMENTS







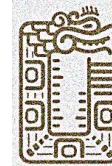
### SECTION 4 BALANCE - MAY 2023.



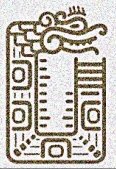
ICA

# MAYAN TRAIN PROJECT.

SIMULATED IMAGE OF THE FINAL RESULT OF PROJECT.



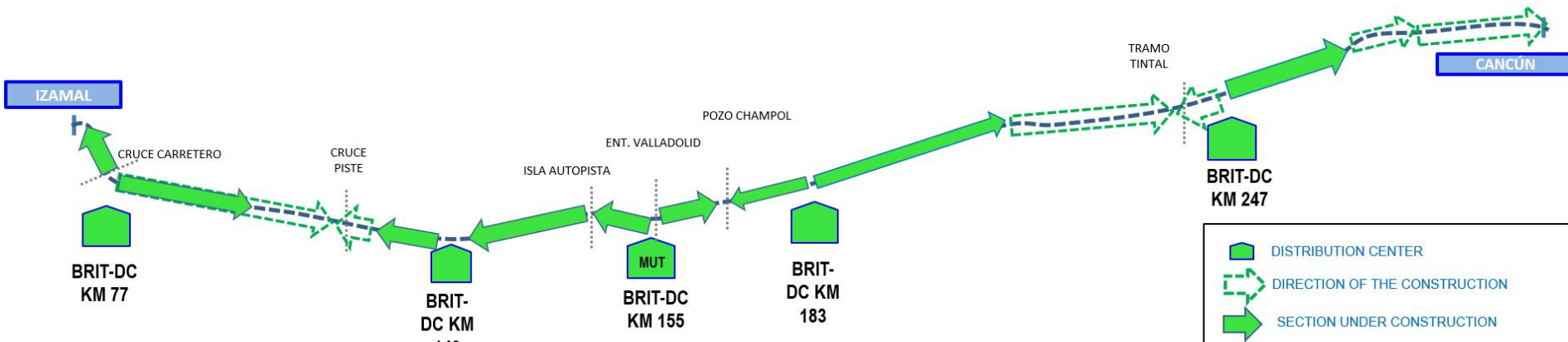
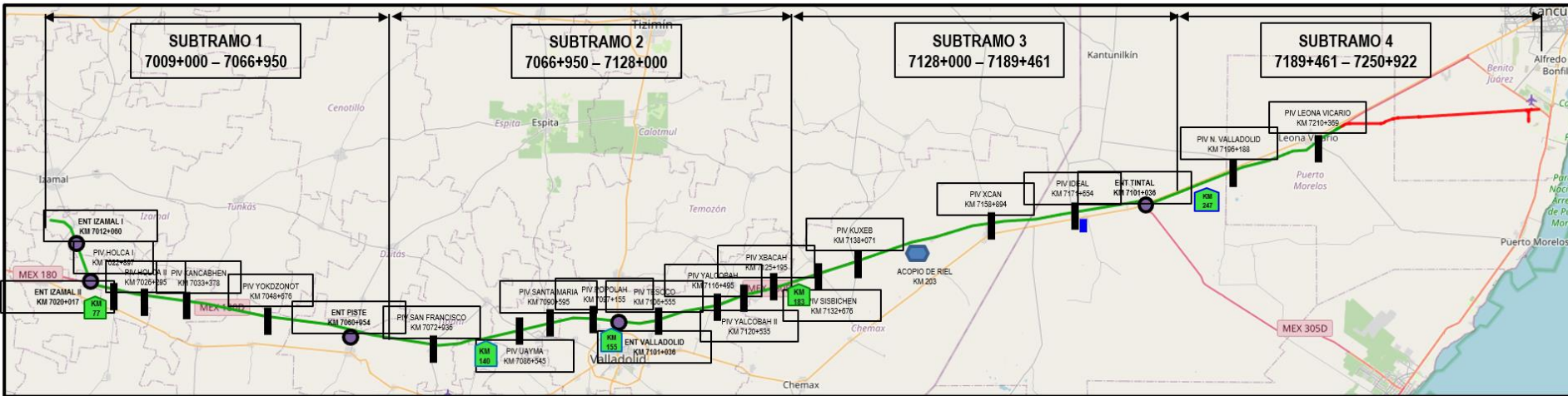
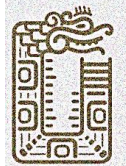




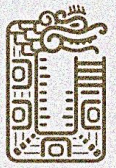
**BALLAST, RIAL AND TIES DISTRIBUTION CENTER OF (DCBRIT "HOLCA").**  
Km 77.







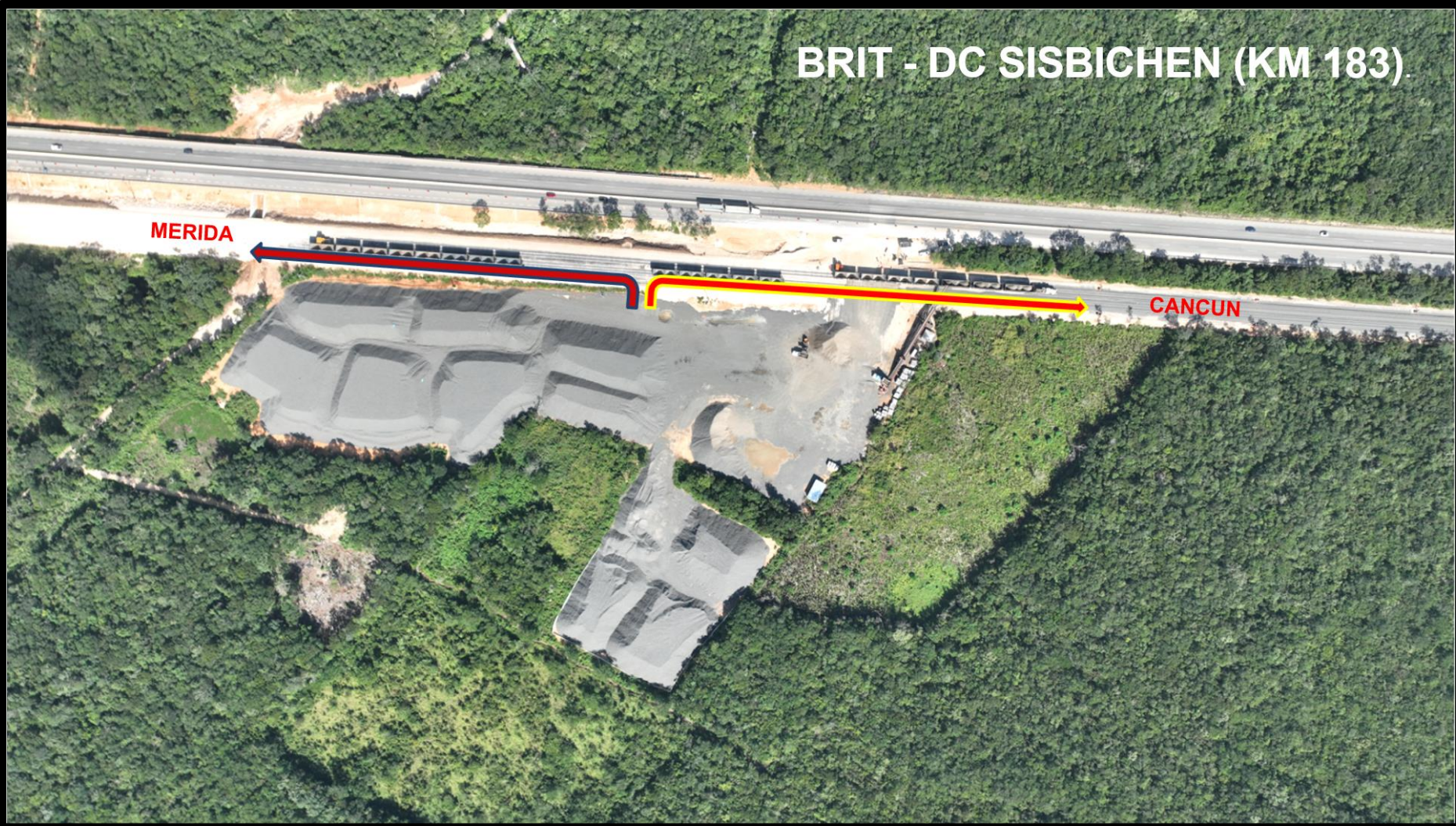




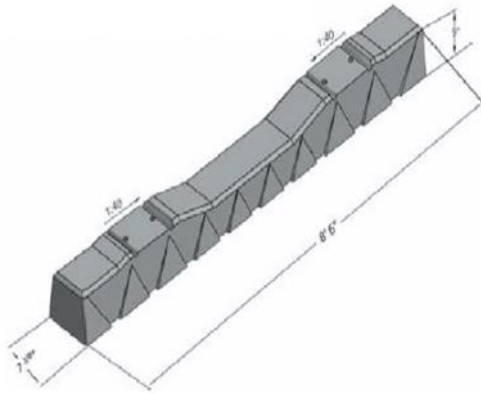
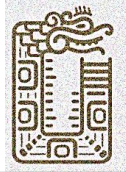
BRIT - DC SISBICHEN (KM 183)

MERIDA

CANCUN







860,000 UNITS - TIES



60,000 TON - RAIL

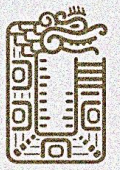


1.5 MILLIONS CUBIC METERS.

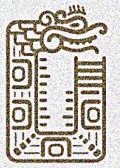


# ICA

## MAYAN TRAIN PROJECT. RAIL.





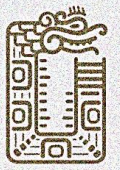




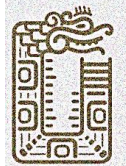


- **Potential Mozomboa Quarry:**  
5,000,000 m3.
- **Potential Balzapote Quarry:**  
7,000,000 m3.
- **Vol. required for Project:**  
1,500,000 m3.









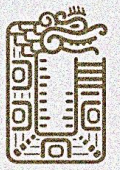
- MOZOMBOA QUARRY.



- BALZAPOTE QUARRY.



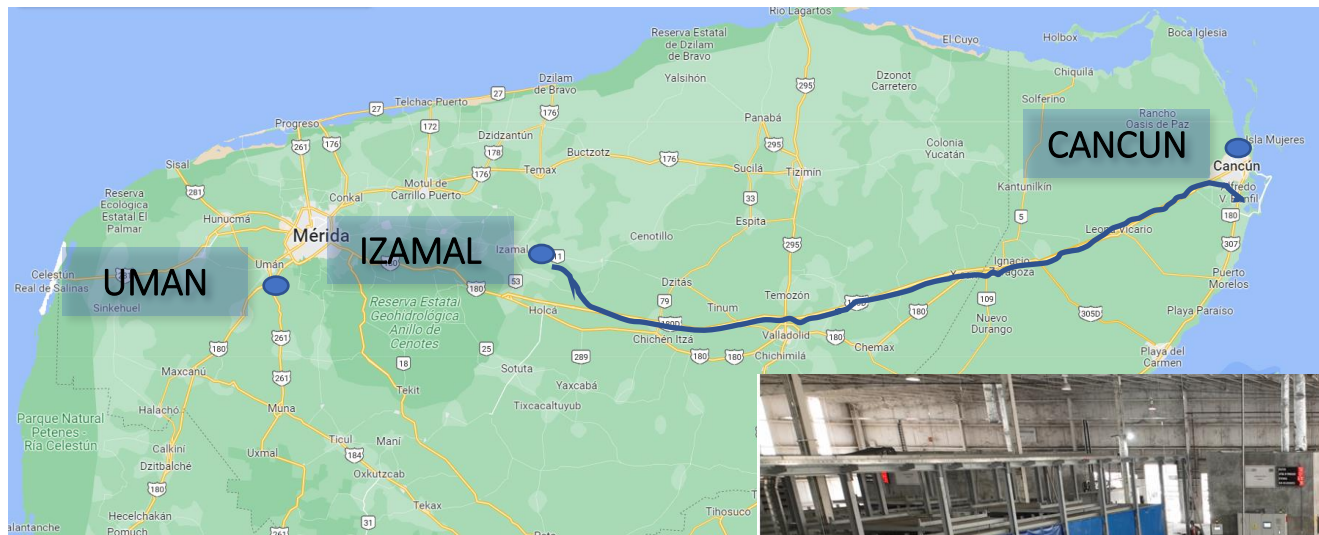
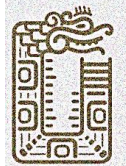






# ICA

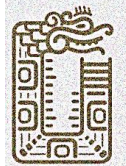
## MAYAN TRAIN PROJECT. SLEEPERS.



2,600 SLEEPERS  
PER DAY.







2.- RAIL WELDING



3.- ASSEMBLY OF TRACK



1.- PLACEMENT OF SLEEPERS



5.- TRACK LIFTING AND LEVELING



4.- SPREAD OF BALLAST















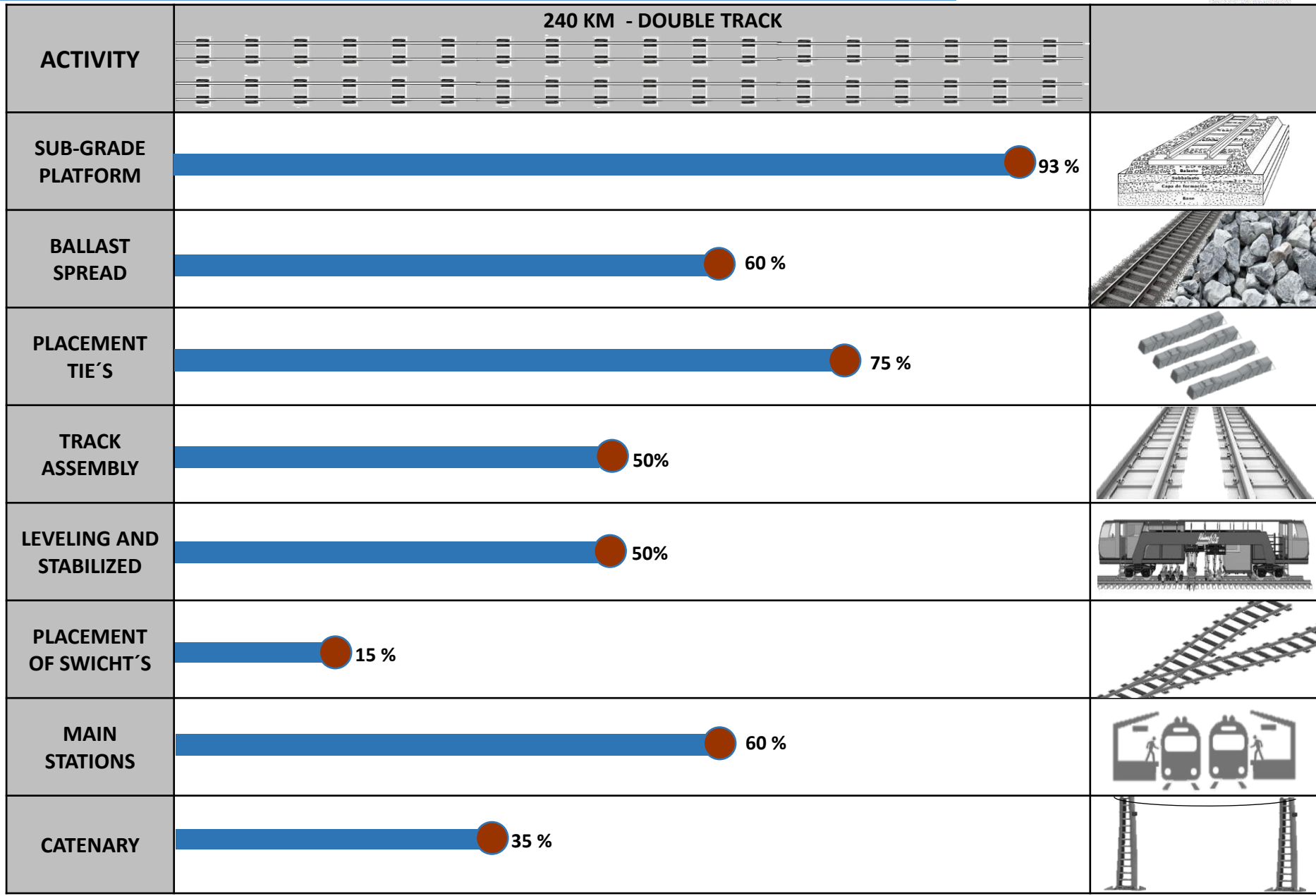
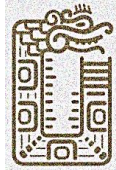


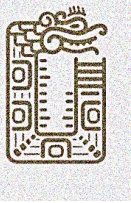








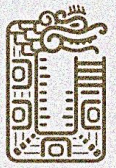




# THE CHALLENGES.

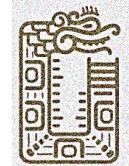






- MOZOMBOA QUARRY.

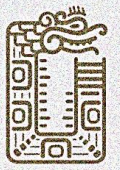




- **MOZOMBOA QUARRY.**

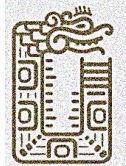




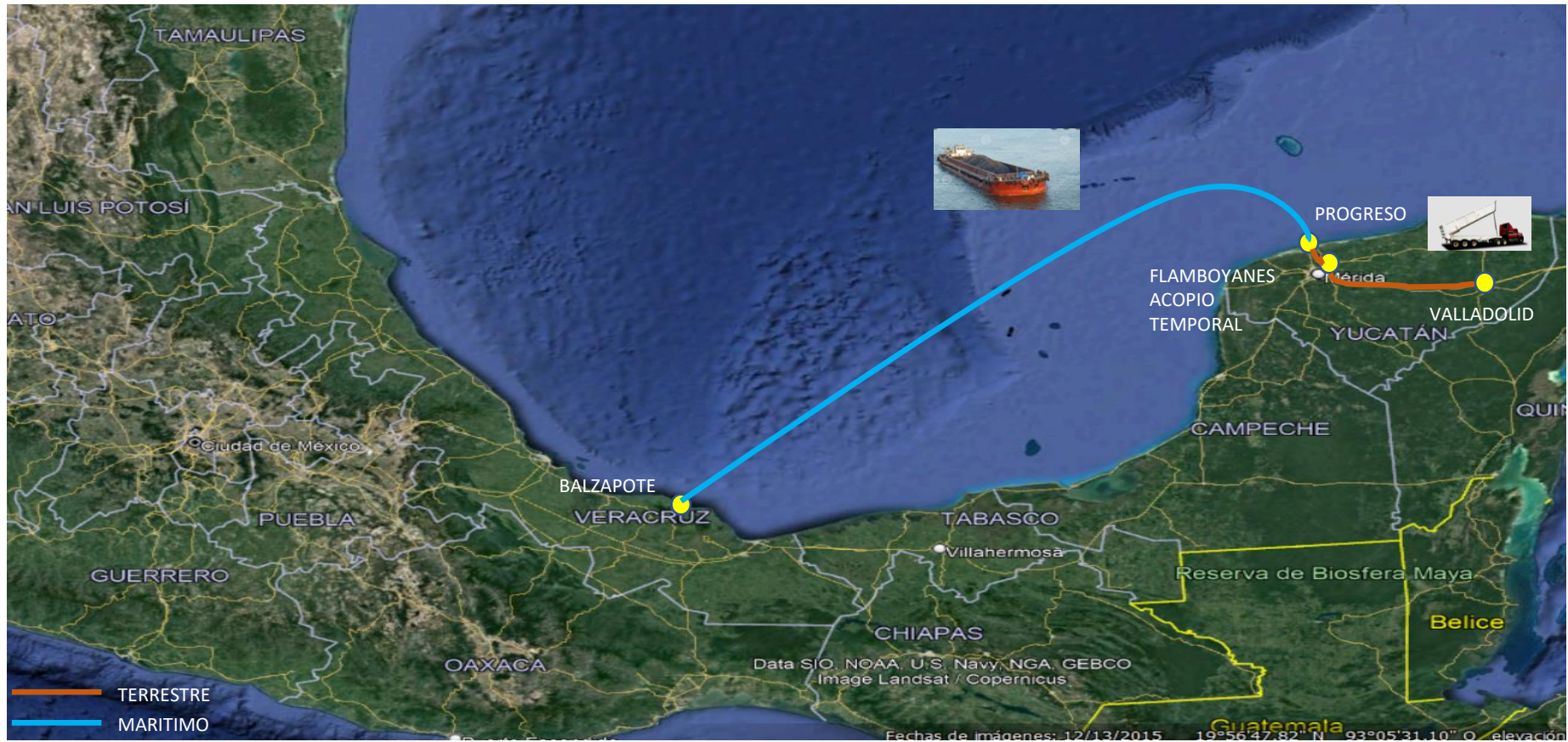


- BALZAPOTE QUARRY.





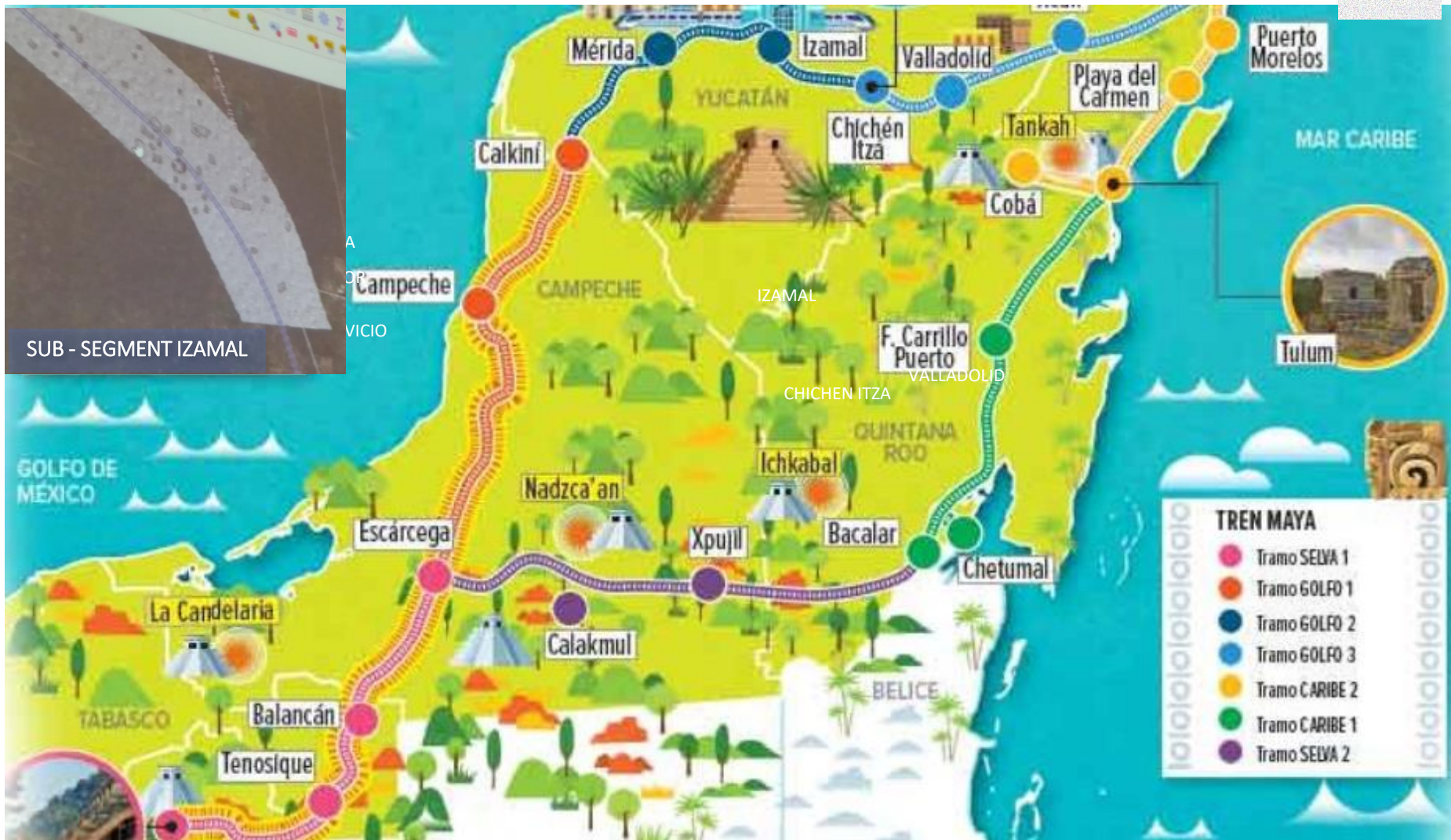
- BALZAPOTE QUARRY.







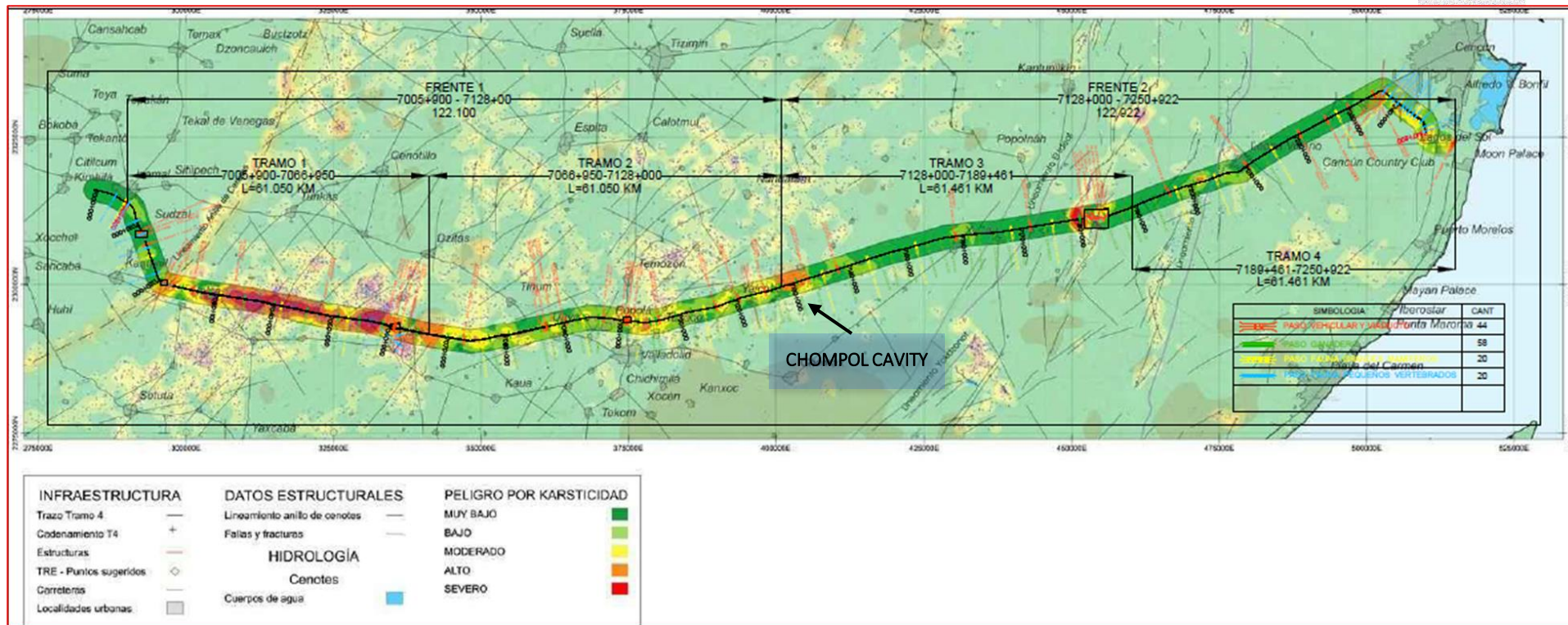
SUB - SEGMENT IZAMAL



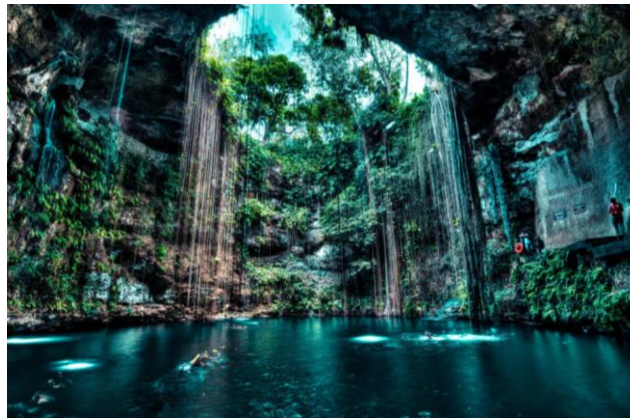
### TREN MAYA

- Tramo SELVA 1
- Tramo GOLFO 1
- Tramo GOLFO 2
- Tramo GOLFO 3
- Tramo CARIBE 2
- Tramo CARIBE 1
- Tramo SELVA 2

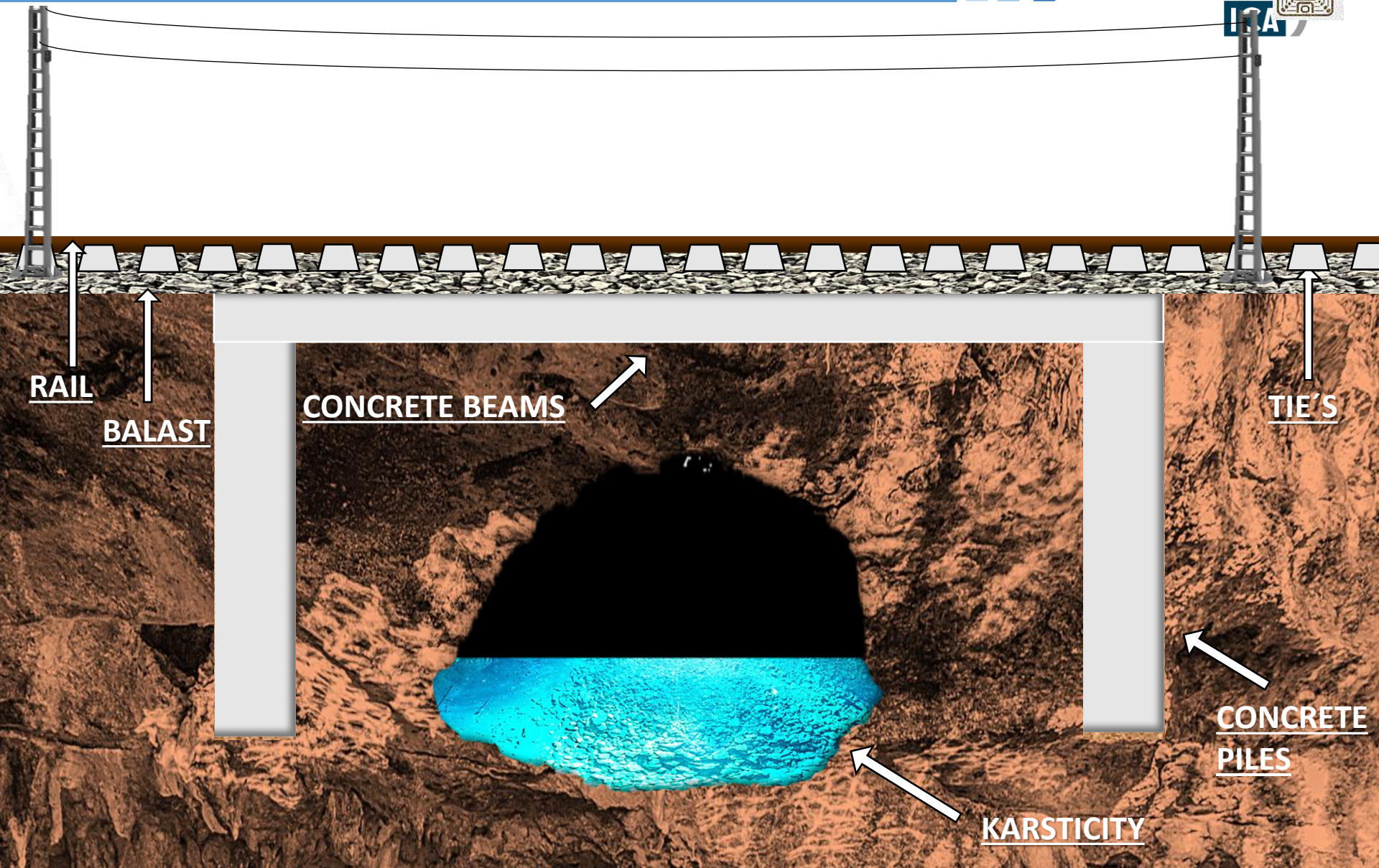




## CENOTES



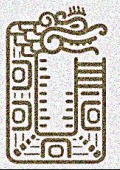






# ICA

## MAYAN TRAIN PROJECT. CHOMPOL ZONE.

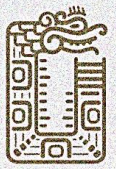




ICA

# MAYAN TRAIN PROJECT.

WORKS ON HIGHWAY IN OPERATION.





**THANKS FOR YOUR  
TIME!!**

