

INDONESIAN RAILROAD INDUSTRY VISIT TO MEXICO

Mexico City, 25th September 2018



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MEXICAN ASSOCIATION OF RAILROADS
GENERAL DIRECTOR

Freight Rail in Mexico



Mexican Freight Rail System

- 20,000 km of track
- > 10,000 km with 130 tons capacity

-  KCSM
-  FERROMEX
-  FERROSUR
-  FERROVALLE
-  COAHUILA – DURANGO
-  CHIAPAS Y MAYAB
-  ISTMO DE TEHUANTEPEC
-  TIJUANA TECATE

Northern Border : 7



Freight Rail world Comparison (Million Ton-Km)



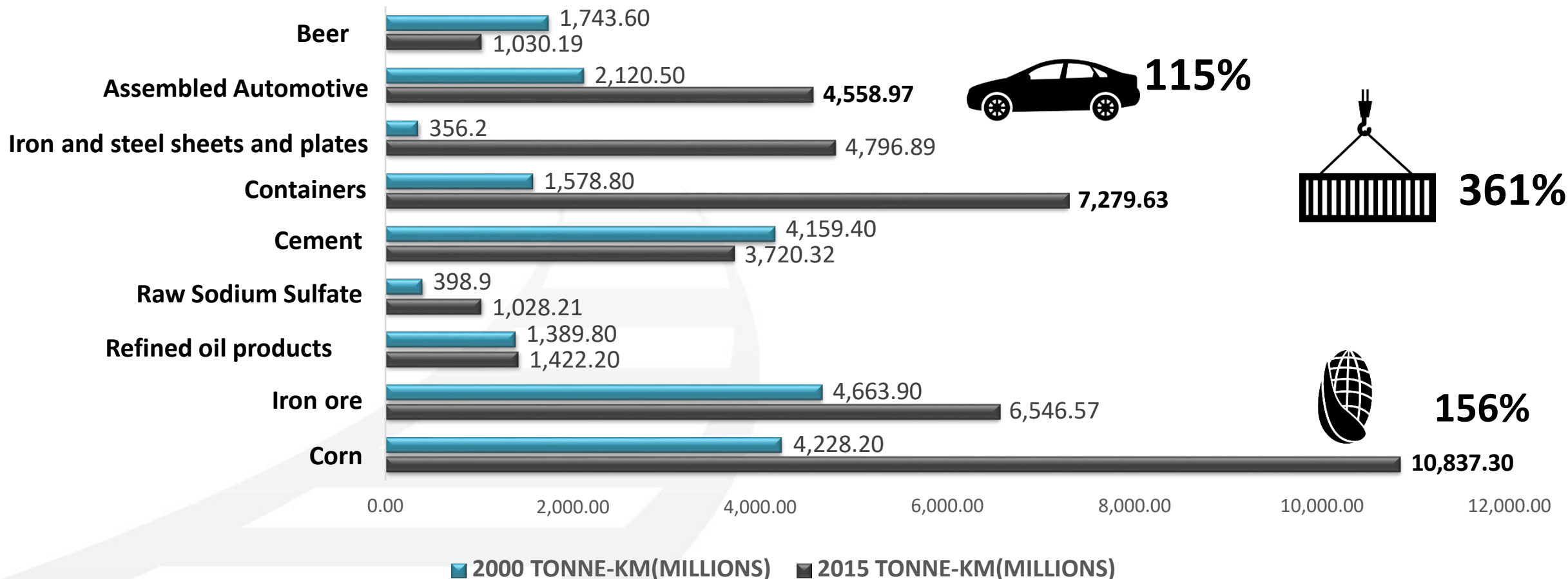
WORLD BANK GROUP

Country	2015
1. USA	2,547,253
2. Russia	2,304,759
3. China	1,980,061
4. India	681,696
5. Canada	540,141
6. Brazil	267,700
7. Ukraine*	195,054
8. Kazajstan	189,759
9. South-Africa*	134,600
10. México	73,878

*Últimos Datos Estadísticos 2014

Fuente: data.worldbank.org/indicator/IS.RRS.GOOD.MT.K6

Freight Rail Product Mix & Growth 2000-20015



Source: Anuarios Estadísticos Dirección General de Transporte Ferroviario y Multimodal, SCT



- **1,295 Diesel locomotives**
- **+ 33,149 railcars registered in Mexico**
- **+ 30,000 railcars incoming from (outgoing to) the US**



Safety, mechanical, operational, interchange...



Civil works and maintenance of way



Safety, mechanical, civil works...

Double Stack Intermodal Service

- **Double Stack: Mexico is one of the 6 countries in the world that has this service**
- **Transporting 1.4 millions TEU'S in 2015**



Double Stack Intermodal Service







TREN INTERURBANO MÉXICO – TOLUCA
Tramo 1: “Zinacantepec – Marquesa” (km 0+000 al km 36+150)



Constructora de Proyectos
Viales de México, S.A. de C.V.
Grupo OHL

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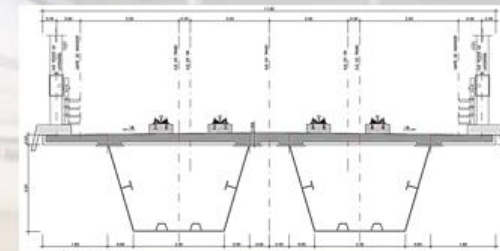
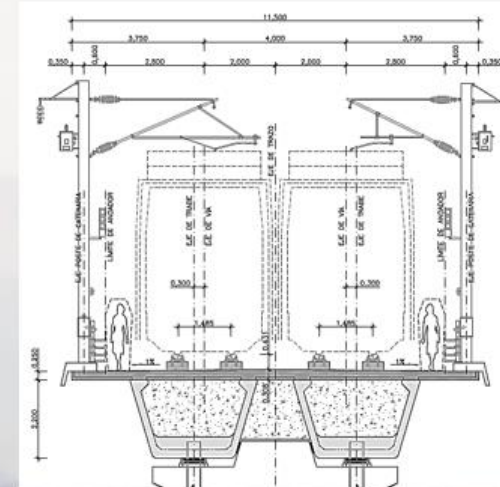
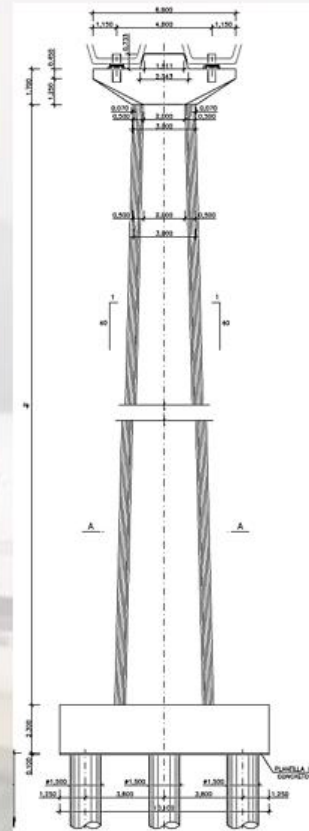


Viaducto 2

- Longitud = 4,5 km
- Número de ejes = 137

Tramo general:

- Claro Tipo: 32 m, isostático
40,5 m, hiperestático
- Altura máxima: 50,4 m
- Superestructura: Traveses de concreto (isostático)
Traveses de acero (hiperestático)
- Subestructura: Columna hueca de sección variable
- Infraestructura: Pilas diam. 1,5 m
- Sistema Constructivo:
Columnas coladas en sitio; traveses prefabricados y lanzadas



Metros, Suburban & Light Rail



470,000



240,000



5.4 Million



150,000



83,000

Daily Ridership

Metros, Suburban & Light Rail



Tourist Trains



TREN TURÍSTICO Puebla-Cholula

Tourist Trains



TREN TURÍSTICO Puebla-Cholula



Locomotive and Rail Car Manufacturing in Mexico



BOMBARDIER



Passenger Rolling Stock Manufacturing in Mexico





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THANK YOU