

TLA Use  
USA Projects & Globally

AA: Some US Historical Use

**1. Pennsylvania Ave – Washington DC- First paved in 1876**

Re: Belgian chemist Edmund J. DeSmedt laid the first true asphalt pavement in the U.S. in Newark, N.J. DeSmedt also paved Pennsylvania Avenue in Washington, D.C. – using 54,000 square yards of sheet asphalt from Trinidad Lake.  
Continued use until the recent past 90s



**2. The Bayonne Bridge: Between Staten Island & Bayonne NJ**

Re: 1977-78...TLA use comprising 25% TLA & 75% Refinery Asphalt Cement - in use for 18 yrs / @ 1997 and was performing well... set to exceed its designed life of 20yrs.

**3. New Jersey Turnpike – Route 18 Bridge (crossing from NJ Turnpike into New Brunswick)**

1993 installation – performing well after 5 yrs.....

**4. Lincoln Tunnel**

1983 installation ... performing well after 14yrs @ 1997

**5. US Airports:**

**New York & New Jersey Airports:**

Re: LA Guardia & Newark International (1981), JFK International (1984).

**Logan International- Boston Massachusetts - 1994**

**Other TLA US Projects:**

**Throgs Neck Bridge...2008**



**NCAT Test Strip – Auburn Alabama 2009 - 2012**

**Test Track Site @ National Centre for Asphalt Technology (NCAT) – TLA Test Track 2009 Test Cycle**



## Some Iconic Global Projects: UK...

### Buckingham Palace Mall



### Humber Bridge



*The Humber Bridge - for 17 years it was the world's longest single-span suspension bridge, and was officially opened by Her Majesty the Queen in July 1981 – surfaced with machine-lay TLA mastic gave over 20-years of service*

## China:

### Beijing Ring Roads



### Hong-Kong-Zhuhai- Macau Bridge:

Re: 2018 completion ...Longest Ocean Crossing in the world



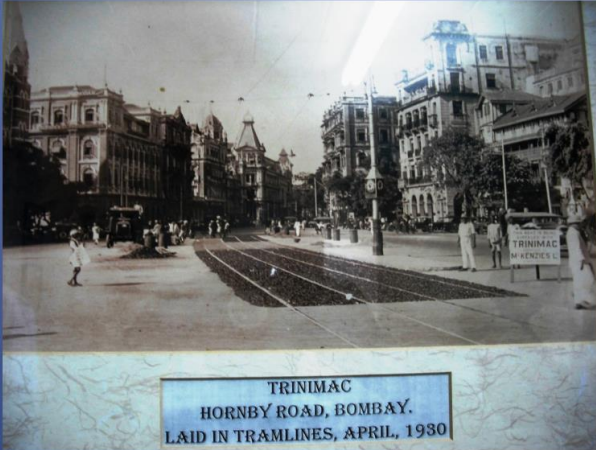
INDIA

Some Early TLA use in India...no recent projects I can identify ...great open opportunity...

I delivered a presentation in Bihar – 2009 ..this was a composite pic I found ....



# India's TLA History



Trinidad Lake Asphalt (TLA)

TLApres@IRC-Patna-Bihar-IndiaNov'09

Some additional US History:



TLA in Drums- 1950 Georgia USA