P5
THOMAS PONDS
BORDER BRIDGE

Model picture, perhaps only of building
Border between Tijuana and San Diego
instead of chomsky I could also do a matrix of headlines like this? to show the issue we want to address..

U.S. Mexico Border Crossing Grows More Dangerous

Spotlight On Mexico As Violence Erupts Close To The U.S. Border

Shockling Photos of Violence along the United States / Mexican Border

The Most Dangerous Place On Earth: The Brutal Drug War Raging On The U.S. Border
US-MEXICO BORDER REGION
1900 - California Gold Rush.
1851 - London Great Exhibition
1853: Gadsden Purchase
1854 - Crimean War breaks out
1857 - Alamos War
1859 - Origin of Species' published by Charles Darwin
1861 - American Civil War
1865 - Abolishment of Slavery in US
1869 - Suez Canal opens to shipping
1875 - The Porfirato
1876 - 1910
1882 - Chinese Exclusion Act
1889 - Foundation of International Water Commission
1890 - Copper mining in New Mexico
1893 - Chicago World Fair
1896 - First Calculation of the Dow Jones Index
1898: Spanish-American War
1900 - The corrido (ballad)
1904 - Mexican Revolution
1910 - Francisco Madero comes to power
1916 - Asiatic Barred Zone Act
1917 - Zimmerman Telegram
1917 - United States enter World War I
1921 - Immigration Act
1924 - Immigration Act
1934 - Lemon Grove, California
1935 - The film Tortilla Flat
1942 - The Trinity Test
1945 - Mexican Village
1947 - Brown vs. Board of Education
1953 - The film Salt of the Earth
1964 - The Bracero program is revived
1966 - End of Bracero Program
1967 - Border Industrialization Program; Maquiladoras
1970 - FIFA World Cup
1974 - The Mexican American Women's National League (La Liga Pro-Defensa Escolar)
1980 - Borderline
1982 - Mexican Debt Crisis
1983 - La Paz Agreement
1984 - El Norte
1985 - El Norte
1986 - The film Mi Familia
1987 - The film Siete en el Tiempo
1988 - The film Borderline
1989 - The film Borderline
1990 - Border fence
1994 - North American Free Trade Agreement
2000 - world wide financial crisis
2001 - 9/11
2006 - Secure Fence Act
2006 - start of Mexican Drugs Wars
2008 - world wide financial crisis
TWO DIVIDED COUNTRIES
Border Crossing between Tijuana and San Diego
ONE REGION
WE WILL BEAT ANY PRICE
HGH AND ALL MEDS
DRUG DISCOUNTERS
BEST PRICES GUARANTEED
THE PARADOX OF THE BORDER:

IT ATTRACTS AND DIVIDES

could also be the problem statement?
would explain that by word here..
Accelerated through the fear from the attacks of 9/11 and all what followed, the so-called “Western Society” is constructing the greatest wall ever built on this planet. On different building sites on all five inhabitable continents, walls, fences, and high-tech border surveillance are under construction in order to secure the citizens and their high quality of life within this system.

The fall of the Berlin Wall was described as the historical moment that marks the demolition of the world’s last barrier between nation states. Yet it took the European Union only six years to create with the Schengen Agreement in 1995 a new division only 80 km offset to the east of Berlin. Together with the wall in Israel, the US-Mexico border, the Australian coast defense, and the DMZ in Korea, it makes part of a worldwide system that contains an exclusive society (14% of the world’s population) with an average income of €2,500/month versus the ones in front of the wall with an average income of only €150/month.

**World’s top 50 cities with the highest “Quality of Life”**

- High security border zone
- Future Schengen border line
- Switzerland voted in 2005 for the membership to the Schengen community and will become “Schengen country” soon

**The United States–Mexico barrier** consists out of several separation barriers designed to prevent illegal immigration into the United States. The 3,140 km border between the United States and Mexico traverses a variety of terrains, including urban areas and deserts. The barrier is located mainly in the urban sections of the border which include San Diego, California, and El Paso, Texas.

Between 1998 and 2004, 1,954 persons are officially reported to have died along the US-Mexico border. On May 17, 2006, the U.S. Senate approved a possible extension what could be 600 km of triple layered-fencing and a vehicle fence.

**Greenland and the Faroe Islands** are integrated in the Schengen Zone with the exception of the Free Movement of Persons aquis.

**The Demilitarized Zone (or DMZ) in Korea** is a strip of land running across the Korean Peninsula that serves as a buffer zone between North and South Korea. The DMZ was created in the ceasefire of July 27th 1953 and cuts the Korean Peninsula roughly in half. It is 248 km long and approximately 4 km wide.

**The West Bank barrier** is a physical barrier being constructed by Israel consisting of a network of fences with vehicle-barrier trenches surrounded by an on average 60 meters wide exclusion area and up to 8 meters high concrete walls.

As of January 2006 the length of the barrier as approved by the Israeli government is 670 kilometers. Approximately 36% has been constructed, 25% is under construction, 20% has been approved but construction has not yet begun, and the remaining 19% awaits final approval.

**The Australian Defence Force (ADF)** conducts surveillance and response operations in Australia’s northern approaches. Since September 2001, it doubled the number of days Customs vessels are at sea and increased flying hours for surveillance aircraft by 20 percent.

Under a proposed legislation from June 2006, all new boat arrivals would be transferred offshore to have their asylum claims processed.

**The Ceuta border fence** is a separation barrier between Morocco and the Autonomous City of Ceuta, in Spain. Construction of the €30-million razor wire barrier was financed by the European Union. It consists of parallel 3-metre fences topped with barbed wire.

**The Melilla border fence** is a separation barrier between Morocco and the Spanish city of Melilla. The razor wire barrier cost Spain €33 million to construct. It consists of 11 km of parallel 3 m high fences topped with barbed wire. Its height is currently being doubled to 6 m.

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*Meditations on Razor Wire, Lieven De Cauter & Michiel Dehaene*
REGIONAL
KOREA DMZ
250 KM

EU - RUSSIA BORDER

GREAT WALL OF CHINA
8850 KM

USA - CANADA BORDER
8891 KM

USA - MEXICO BORDER
3110 KM
MOBILITY
REGIONAL PLAN

- Pacific Corridor
- Central Western Corridor
- Central Eastern Corridor
- Atlantic Corridor

Population:
- Los Angeles: 6.5 million
- Tijuana: 1.25 million
- San Diego: 1.21 million
- Phoenix: 4.3 million
- Nogales: 4.3 million
- El Paso: 2.7 million
- Del Rio: 0.27 million
- McAllen: 1.5 million

Corridors:
- Interstate 10
- High Speed Railway

- Border Visa / Free Mover Zone
- Border State Zone
- Existing Border
- Border Free Trade Zone
- Border State
Los Angeles
Tijuana
San Diego
Calexico
Mexicali
Juma
Phoenix
Tucson
Nogales
Nogales
El Paso
Juarez
Del Rio
Acuna
McAllen
Reynosa

Population: 6,5 million
Population: 1,25 million
Population: 1,21 million
Population: 4,3 million
Population: 2,7 million
Population: 0,27 million
Population: 1,5 million

Extended Wind Park
New Nuclear Power Zone
New Large Scale Solar Plants
HVDC transmission line
Fossil Energy
Nuclear Energy
Solar Energy
Wind Energy
Hydro Energy
URBAN CONCEPT
El Paso named safest US city

by Daniel Borunda \ El Paso Times

POSTED: 11/22/2010 12:05:00 AM MST

Despite being located across the border from one of the deadliest cities in the world, El Paso is the safest large city in the United States, according to rankings released Sunday.

Though the city has been ranked in the top three each year since 1997, this is the first time El Paso has taken the top spot for having the lowest crime rate among cities of more than 500,000 population in the annual rankings by CQ Press, a publishing firm based in Washington, D.C.

Government leaders, law enforcement officials and residents were thrilled with the new ranking.

"This isn't something that mystically or magically appeared," Police Department spokesman Darrel Petry said.

"This is something we have been striving for for the past 13 years.

We truly attribute it to our relationship to the community - the trust."

The ranking was compiled with data from 2009 in the crime categories of murder, rape, robbery.

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Juarez, Mexico - Murder Capital of the World

By BARRY PETERSEN / CBS / August 12, 2010, 6:30 PM

Drug violence is out of control in Mexico. Thursday, President Felipe Calderon suggested prosecutors and judges aren't doing enough to bring criminals to justice. Calderon himself has come under criticism. Since he declared war on the cartels in 2006, 28,000 people have died. This year alone, more than 7,000 have died. The violence has taken a new turn.

CBS News correspondent Barry Petersen reports journalists are the new targets in Mexico’s drug war.

A cameraman in Juarez barely escaped a grenade attack. Back in his newsroom, Juarez news director Edgar Roman has a new job description. He wants to "preserve the lives of the people out there reporting, covering stories. We don't want to be heroes."

Those involved in news coverage in Juarez have a saying that's also a warning: a journalist can stay alive sometimes - based on what they don't report.
In Mexico, Ciudad Juarez reemerging from grip of violence

Angel Corral is in many ways the new face of a city long known for its criminal gangsters and one of the world’s highest homicide rates.

At 29, with pale green eyes and a can-do spirit, Corral is riding Ciudad Juarez’s return to life, running three nightclubs and investing in a gym. Where all his money comes from is not exactly clear, but no one seems to be asking questions.

The reasons for the border town’s revival are also unclear, and the uplift could well prove short-lived. But there is no question that homicides have declined precipitously and that shuttered businesses are reopening.

As the city climbs out of the depths of despair, Corral and a host of other residents — including returning exiles — are jumping aboard.

Five months ago, Corral opened his most successful bar, the Tres Mentiras (Three Lies), with a blue-tiled dome and pink neon signs. The metal detectors at the door and the pose of bodyguards dressed in black and wearing earpieces speak to a more violent time. Yet the cavernous place is routinely packed, with lines outside, for performances by Los Tigres del Norte or on ladies’ night, when drinks go for a dollar.

Just a couple of years ago, Gomez Morin Boulevard, at the commercial heart of Juarez, had become a ghost town, like much of the city just across the Rio Grande from El Paso. Drug, extortion and kidnapping gangs ran amok, fighting turf wars and terrorizing rich and poor. Today, much of the city, including the boulevard where the bar is located, is bustling, replete with signs saying “Now open” outside restaurants, casinos, spas and yoga studios.

LA TIMES, 14 MAY 2014
Paso del Norte

Juarez

El Paso

in 20 years
+1,000,000
President Johnson (left) and President López Mateos unveil the new boundary marker signaling the end of the Chamizal dispute on 25 September 1964.
REDESIGN OF PASO DEL NORTE BRIDGE
‘Rush hour on the Paso del Norte International Bridge is similar to urban river crossings everywhere. **Cars crawl in traffic while pedestrians and bikes briskly traverse.** But there’s one major difference for those commuters: They all need a passport. The bustling pedestrian link over the Rio Grande, between El Paso, Texas and neighboring Ciudad Juarez in Mexico is arguably **the most urban** along the Southern Border.’

Gregg Shuggs, Next City, Jan 2015
‘Presidents Obama and Peña Nieto agree to North American Development Bank Capital Increase of US$3 Billion’
International Bridge between El Paso, TX, and Juarez, Mexico.
DISRUPTION OF THE CITY FABRIC
“Mexican customers account for 15 percent of the shopping here. While some head to the malls and box stores of El Paso’s urban sprawl, crossing at the highway-sized Bridge of the Americas downriver, many merchants depend on Paso del Norte foot traffic.”

Paul Stresow, El Paso’s director of international bridges.

“Downtown commerce is critically important and disruption at the border hurts bottom lines”

Garrick Taylor, policy director of the Border Trade Alliance.
SECONDARY INVESTIGATION

PRIMARY INVESTIGATION

BORDER PATROL HQ

PEDESTRIAN INVESTIGATION

BORDER PATROL

TOLL BOOTH

MIGRACION HQ

TOLL BOOTH

12 LANES FOR VEHICLES
-7 normal lanes
-4 fast access
-1 bus lane
14 LANES FOR PEDESTRIAN
-10 normal lanes
-4 fast access

14 LANES FOR PEDESTRIAN
-10 normal lanes
-4 fast access

4 LANES FOR VEHICLES (TOLL)
2 LANES FOR PEDESTRIANS BOTH WAYS

5 LANES FOR VEHICLES
1 LANE FOR VEHICLES (TOLL)
2 LANES FOR PEDESTRIANS BOTH WAYS

STANTON BRIDGE
vehicles, busses, pedestrians (southbound) vehicles on fasttrack (northbound)

PASO DEL NORTE BRIDGE
vehicles (northbound) & pedestrians (both ways)

PUBLIC PARKING
STAFF PARKING
'A morning walk north that can sound and feel like the line for an amusement park. The chatter among women waiting to shop is peppered with laughter. Children bounce. Vendors hawk food while a woman in a white dress with a guitar belts out humorous songs about why some are allowed to cross faster than others.'

Damien Cave, New York Times, Feb 2011
'When I was at the bridge during a rush hour last October, crossing in a car took nearly an hour and every vehicle left its engine running, which created nauseating fumes for pedestrians and especially vendors who weaved between idling cars selling snacks and gums.'

‘Public health researchers are increasingly concerned about air quality in border communities, especially as NAFTA increased the amount of truck traffic. Hector Olvera, research assistant professor at the University of Texas at El Paso, has studied the nano particles emitted by commercial vehicles crossing the Bridge of the Americas. As for Paso del Norte, which he has not researched specifically, he says, “There’s enough evidence to at least prompt studies. People are exposed at the bridge to consistently high concentrations and they merit that government and academia verify if it’s dangerous.”'
stills from ‘Walking the Paso del Norte border bridge’, A. Raijer, 2012
SECURITY MEASURES

Legend
1. Closed-circuit Television
2. Fingerprint Recognition
3. K-9 Unit
4. License Plate Reader
5. Passport Readers
6. Proximity Cards
7. Gamma ray Imaging
8. Radio-frequency Identification
9. Radiation Portal Monitor
10. X-ray Imaging

K9 UNIT
LICENSE PLATE READER
RADIATION MONITOR
PROXIMITY CARDS
PASSPORT READER

DESIGN STEPS
COMBINED INTO 1 BRIDGE
NEW DEVELOPMENTS
4 DIFFERENT FLOWS
PEDESTRIAN BRIDGE MAKES NEW CONNECTION TO DOWNTOWNS
THE VEHICLE BRIDGE
INSPECTION AREA

MODEL PICTURE
will update with further zoom out showing the connection to the rest of the city
ACCESABLE FOR ALL

US CUSTOMS (EXIT) → MEX re-entry (security scan) → US BORDER PATROL → MEX CUSTOMS (EXIT) → MEX re-entry (security scan) → MEX BORDER PATROL → US CUSTOMS (EXIT)
UNITED TRANSBORDER FEDERATION
INSPECTION OF THE INSPECTION
steel plate (welded to truss)
steel cylinder
steel plate
reinforced concrete core
assembled steel profile 1200x1000mm (welded together into vierendeel truss)
HEB 600 profile (welded together into vierendeel profile)
WRAPPED IN SEMI TRANSLUCENT FACADE
THE MAGNET FUNCTION
MODEL PICTURE WITH FOCUS ON THE RESIN CASTS
DIFFERENT ITERATIONS OF RESIN CAST
collages with empty square
collages with event on square
TITLE
2050 - THE BORDER DISAPPEARS