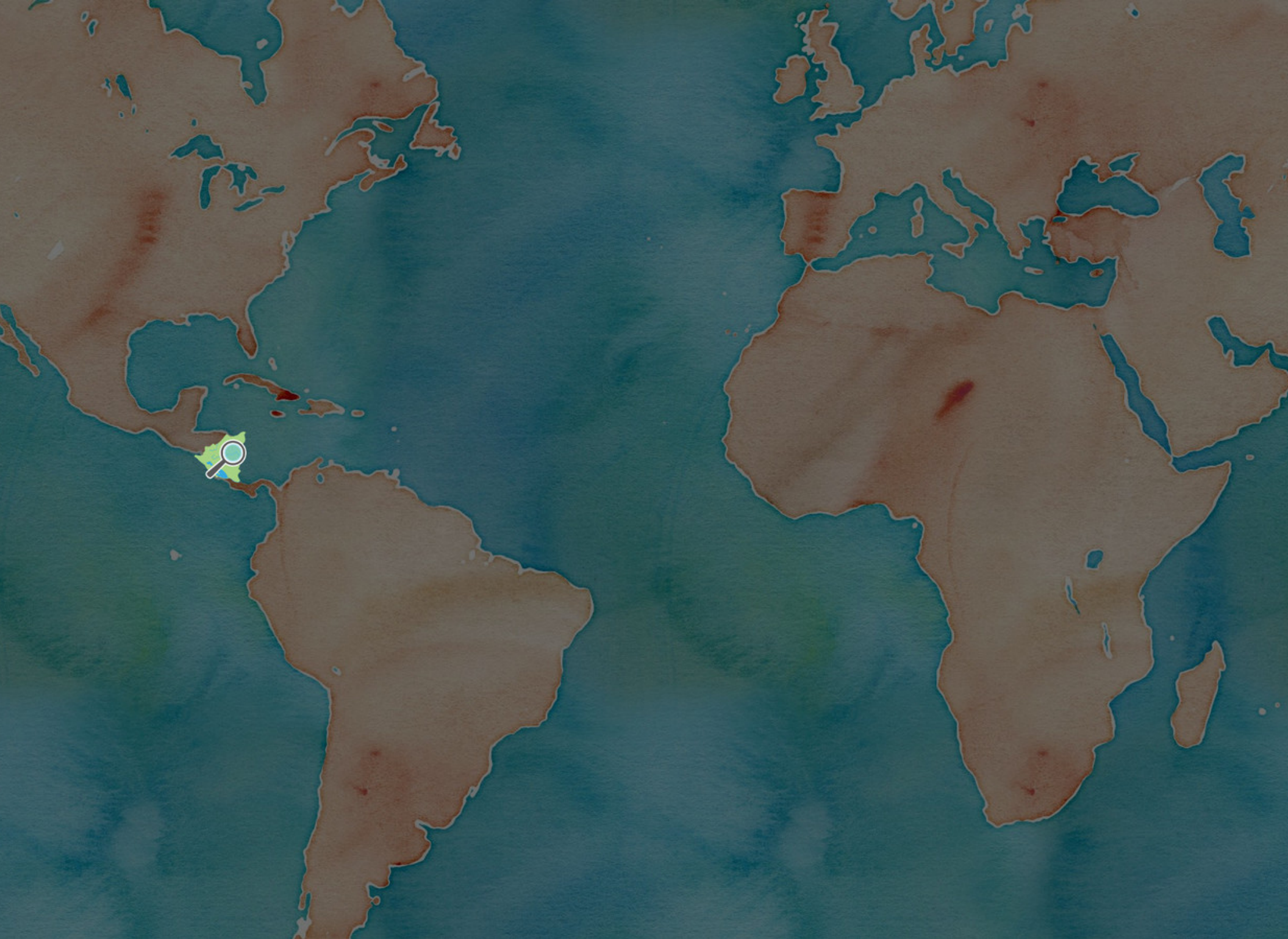


A CROWD- SOURCED TRANSIT MAP FOR MANAGUA

**Eduardo Mayorga
Felix Delattre
Rodrigo Rodríguez**

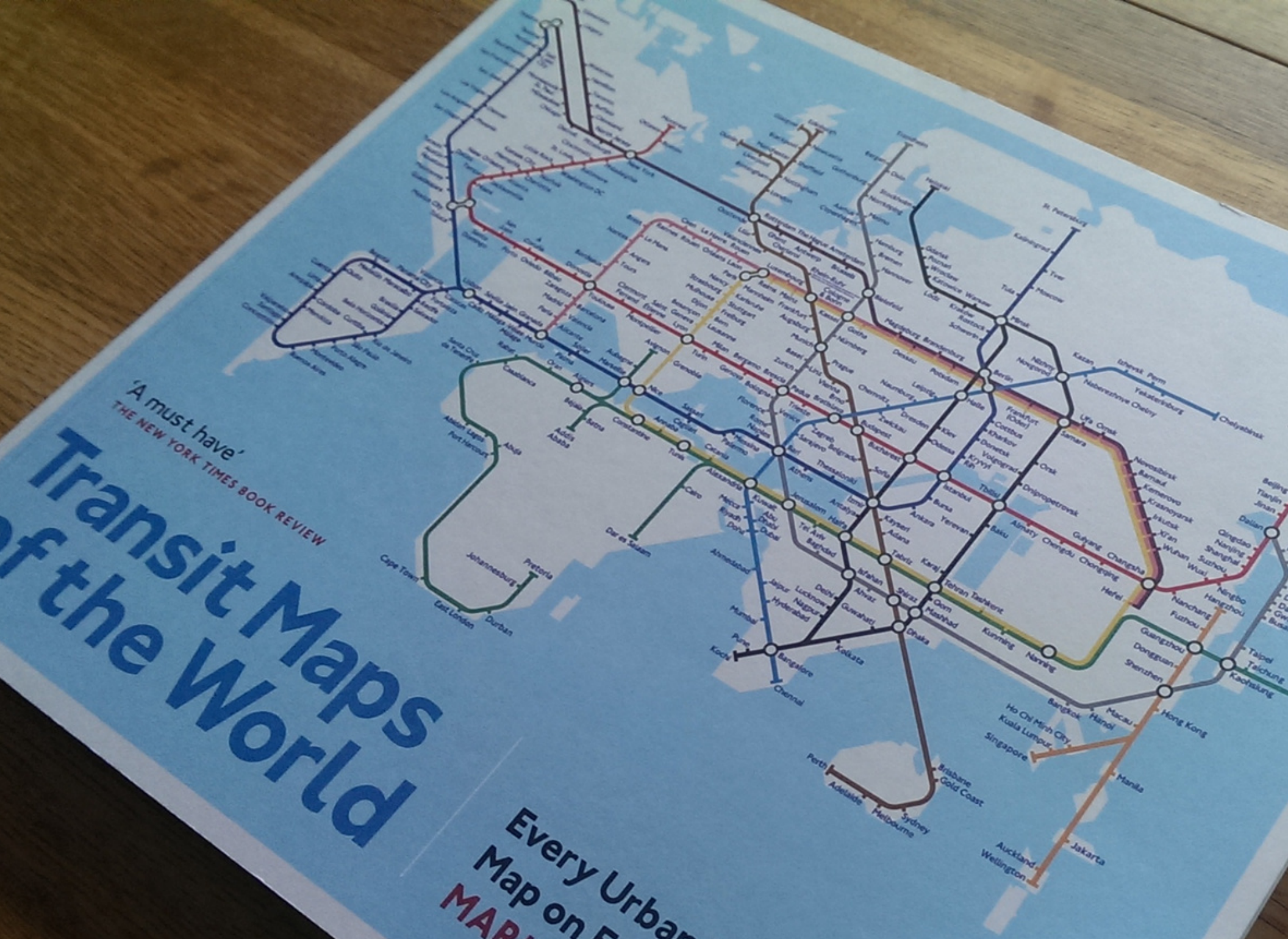


mapanica.net
OpenStreetMap Nicaragua









'A must have'
THE NEW YORK TIMES BOOK REVIEW

Transit Maps of the World

Every Urban
Map on Earth
MAP



Foto: Ronald Kelly



**"A DEVELOPED CITY IS NOT A
PLACE WHERE THE POOR
HAVE CARS. IT'S WHERE THE
RICH USE PUBLIC
TRANSPORTATION."**

**Enrique Peñalosa
Mayor of Bogotá, Colombia**

THE CHALLENGE



CROWD- SOURCING



PEOPLE



COMMUNITY



MAPPING PARTIES

Foto: Danilo Castañeda

TOOLS



GPS



OSMTRACKER



A photograph showing a man and a woman inside a vehicle, possibly a bus or truck. The man, in the background, is holding a large map of Managua, Nicaragua, which has "Ciudad de Managua" written at the top. He has a pencil tucked behind his ear. The woman, in the foreground, is looking towards the map. On a table in front of the man, there is a notebook and a blue object. The scene is brightly lit, suggesting daylight. The text "FIELD PAPERS" is overlaid in large white letters across the center of the image.

FIELD PAPERS

Foto: Solange Estrada Saballos

THE SURVEY

RAMONES
AN AMERICAN BAND





Foto: Sven Hansen (Flickr)





SCHOOL BUS

CONDEGA PIRE

GONZALEZ

ESAB192

BUS STOPS

Nº	UBICACIÓN DE LA PARADA	BANDA	DISTANCIA ENTRE PARADAS (mts)	DISTANCIA ACUMULADA (mts)
	TERMINAL DESPACHO COSTADO NORTE TERMINAL DE BUSES RIGOBERTO LÓPEZ P.			
1	AGENCIA COCA COLA (MERCADO DE MAYOREO)	O		
2	FRICCIONES SAN PABLO (SEMÁFORO MAYOREO 100 mts. AL SUR - PISTA EL MAYOREO)	O	740	740
3	COMEDOR JUANITA (PISTA EL MAYOREO)	O	450	1,190
4	PETROGÁS (PISTA EL MAYOREO)	O	370	1,560
5	RESTAURANTE EL MADROÑO (PISTA SABANA GRANDE)	N	570	2,130
6	COLEGIO INMACULADA CONCEPCIÓN (PISTA SABANA GRANDE)	N	240	2,370
7	FARMACIA SOPHYA (ENTRADA AMERICA 3 - PISTA SABANA GRANDE)	N	260	2,630
8	BAHÍA SUR MERCADO IVÁN MONTENEGRO	N	490	3,120
9	FRENTE ALMACENES TROPIGÁS (FERRETERÍA RODAS - PISTA SABANA GRANDE)	N	300	3,420
10	FRENTE A FARMACIA LIBERIA (COLONIA PRIMERO DE MAYO)	O	790	4,210
11	FRENTE A COLEGIO PRIMERO DE MAYO (COLONIA PRIMERO DE MAYO)	O	310	4,520
12	FARMACIA SINÁI (VILLA FLOR SUR)	N	370	4,890
13	CENTRO ESCOLAR NUEVO AMANECER (JARDINES DE VERACRUZ)	N	390	5,280
14	FRENTE AL TANQUE 14 DE SEPTIEMBRE	N	400	5,770

OFFICIAL





POPULAR

A photograph of two men sitting on a red pedicab. The man on the left is wearing a black t-shirt and dark pants. The man on the right is wearing a white tank top and camouflage pants, making peace signs. The pedicab has a red canopy and a sign that reads "COPONERO 04 MADER". In the background, there are other people and a building with graffiti.

RURAL AREA CONNECTION

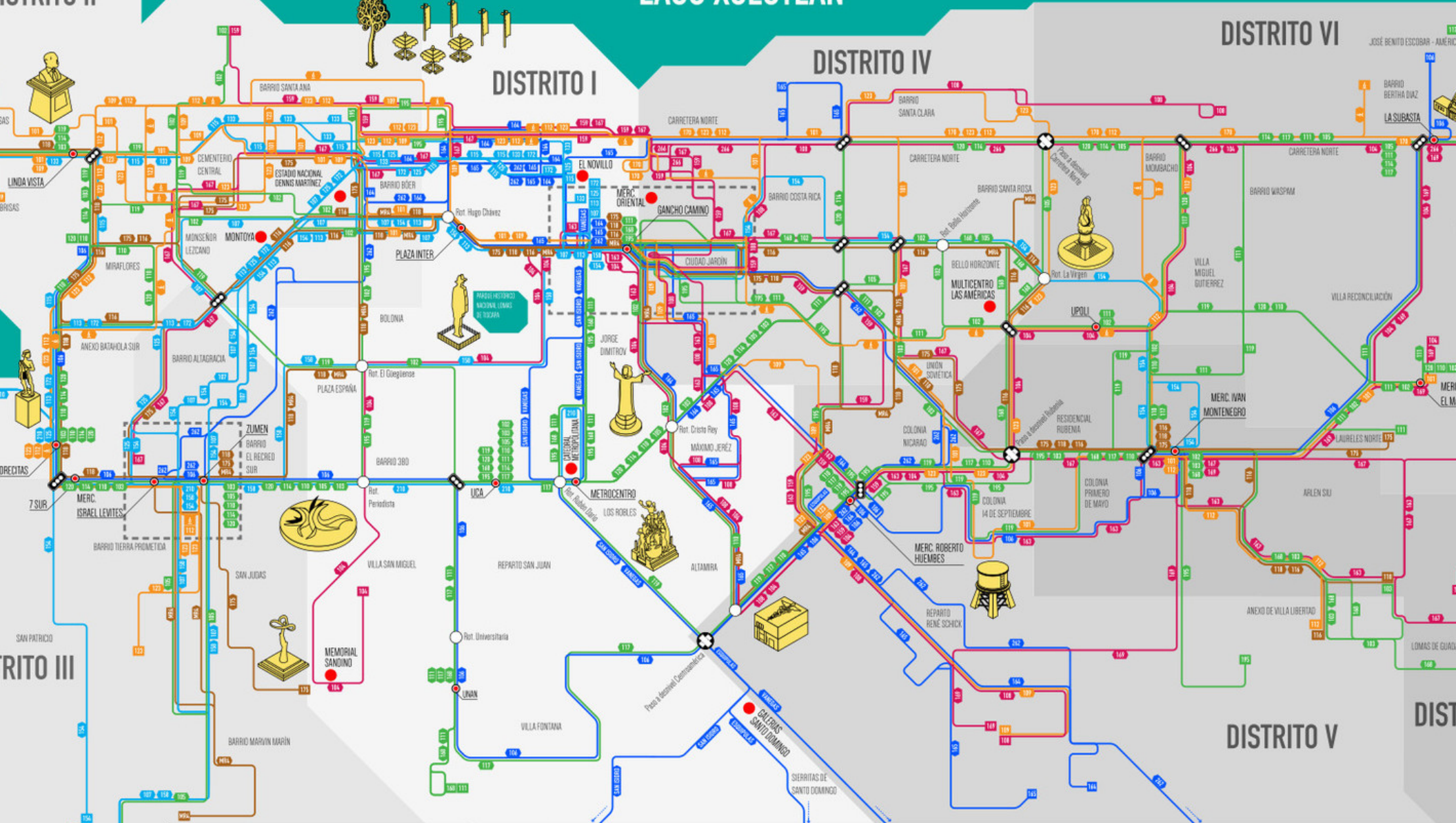


DATA INPUT

PRODUCTS

WEB





SEMÁFOROS

- Semáforo
- Rotonda
- Punto de Referencia
- Punto de Transbordo
- Paso a Nivel

CATEGORÍAS

- Rutas Centro/UCA
- Rutas Sur
- Rutas Internas
- Rutas Este
- Rutas Oeste
- Rutas Norte
- Ruta Ciudad Sandino

TERMINALES

- Terminal

PUNTOS DE TRANSBORDO IMPORTANTES

UCA 102 103 105 110 111 114 117 119 120 168 195 210

ZUMEN 103 105 110 114 120 6 112 123 154 158 210 106 262 MR4

LAS PIEDRECITAS 123 112 6 118 210 125 103 110 114 120

UNAN 111 117 168 106

MERC. ROBERTO HUEMBES 123 109 163 159 104 262 164 6 110 117 119 195

MERC. IVÁN MONTENEGRO 154 110 117 116 118 175 101 112 163 102 103 168 195

GANCHO DE CAMINO 111 168 195 175 118 116 MR4 163 104 165 262 107 113 125 172 VANEGAS SAN IS

LINDA VISTA 119 114 103 133 101 109 118

PLAZA INTER 154 113 101 109 165 175 116 118 MR4

METROCENTRO 105 110 114 120 195 168 111 210 119 VANE

MERC. MAYOREO 104 169 120 110 102 111 101

SUBASTA 104 105 111 114 117 170 6 266 169

CROWD-FUNDING

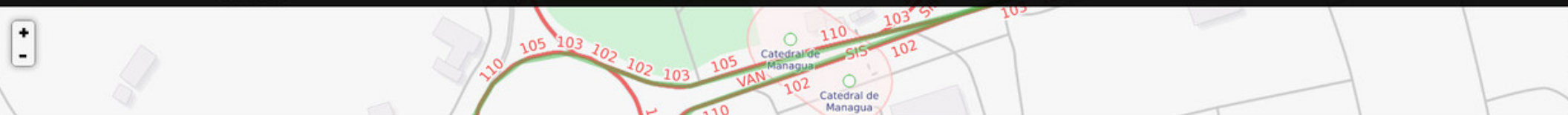


156 - 172



FEEDBACK





¡Mándanos tu sugerencia!

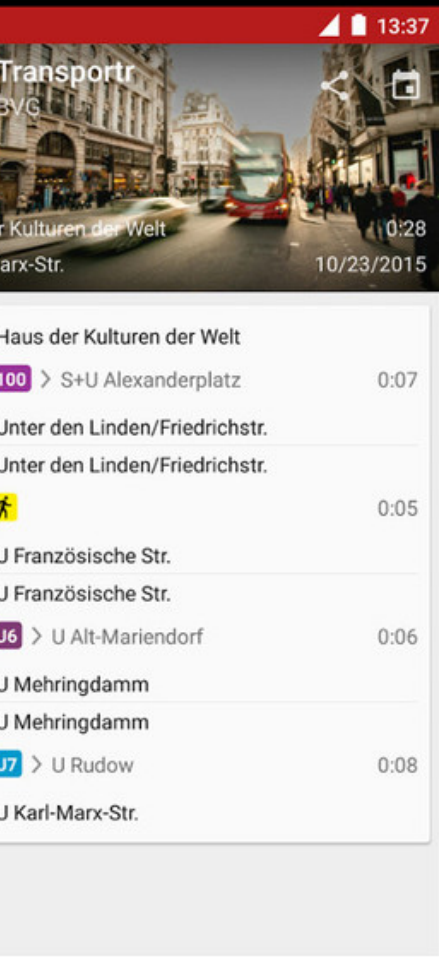
Éste mapa es un trabajo colectivo. Y vos podés apoyar.

Si ves un error o tienes alguna sugerencia, informanos y lo corregiremos pronto.

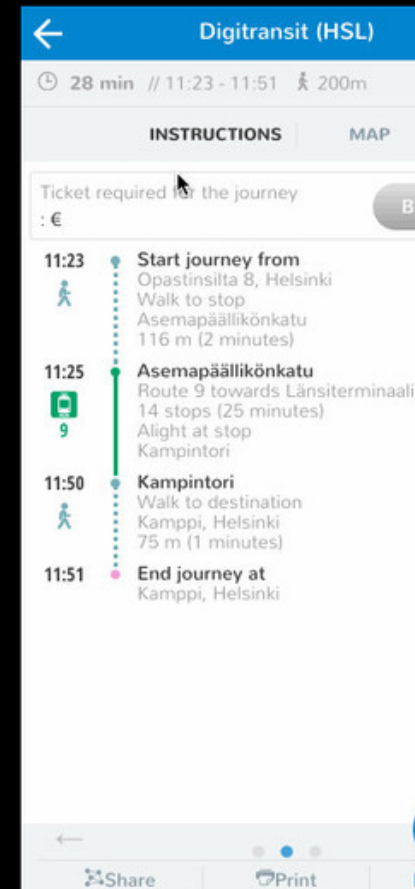
Tenés seleccionado la ruta **103**

Enviar





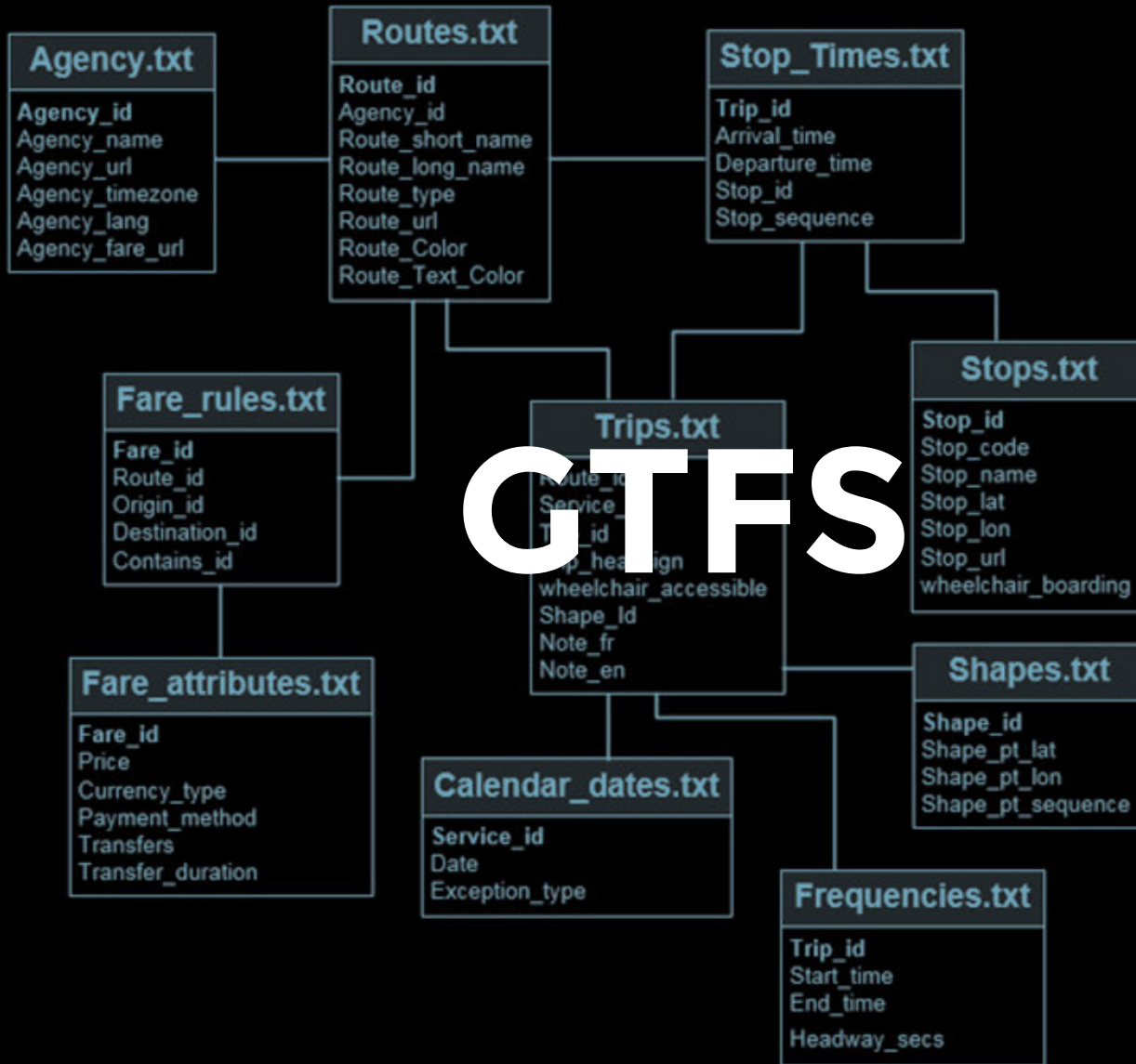
ROUTING



A woman with long, dark, wavy hair is shown from a side profile, looking down at a map she is holding in her left hand. She is also holding a smartphone in her right hand. The scene is outdoors on a city street. In the background, there is a white bus with its door open, a white van, and a blue and red truck. The word "SCHEDULE" is overlaid in large, white, bold, sans-serif capital letters across the center of the image.

SCHEDULE

GTFS



Digitransit (HSL)

3 min // 11:23 - 11:51 200m

INSTRUCTIONS | **MAP**

required for the journey [Buy a ticket](#)

- Start journey from**
Opastinsilta 8, Helsinki
Walk to stop
Asemapäällikönkatu
116 m (2 minutes)
- Asemapäällikönkatu**
Route 9 towards Länsiterminaali
14 stops (25 minutes)
Alight at stop
Kampintori
- Kampintori**
Walk to destination
Kamppi, Helsinki
75 m (1 minutes)
- End journey at**
Kamppi, Helsinki

[Share](#) [Print](#) [Navigate](#)



Transportr

OpenTripPlanner

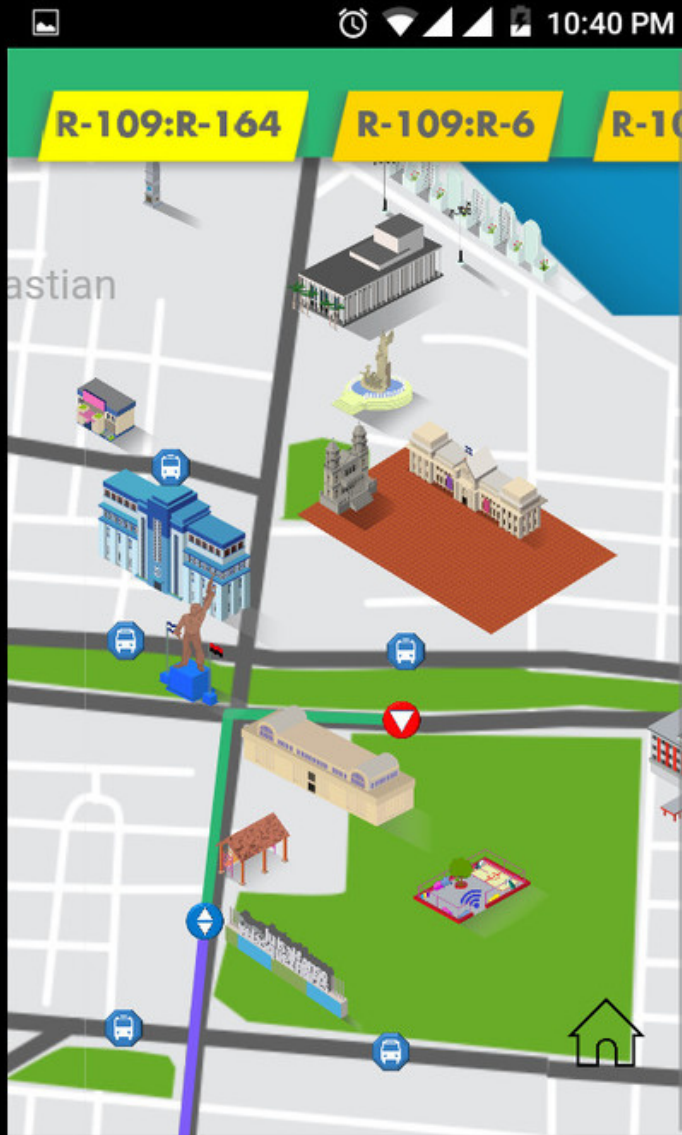
Transportr
BVG

A photograph of a bright blue sky filled with numerous small, white, fluffy clouds. The clouds are scattered across the frame, creating a textured, airy appearance. The lighting is bright, suggesting a clear day.

OPEN DATA



Rutas de Managua





mapanica.net
OpenStreetMap Nicaragua

THANK YOU!



@osm_ni



/mapanica



This presentation is published under the
Creative Commons Attribution-Share Alike 3.0 license.

© MapaNica.net - OpenStreetMap Nicaragua