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Appendices 2 and 3. Transit Services

The transit plans for the Triangle region are heavily informed by the Alternatives Analysis conducted by Triangle Transit for three transit corridors (Wake, Durham-Orange and Durham-Wake) and the Durham, Orange and Wake County transit financial plans that have been adopted by the Durham-Chapel Hill-Carrboro MPO and the NC Capital Area MPO. Transit investments are envisioned to create a seamless system composed of three critical elements: Bus, Rail, and Circulators:

- **BUS:** A significant expansion of bus service throughout the Triangle, adding new routes to communities presently without service, and improvements to existing routes, including the development of Bus Rapid Transit service along MLK Boulevard in Chapel Hill.
- **RAIL:** light rail transit connecting Chapel Hill with Durham and Cary with North Raleigh through central Raleigh and the NC State campus; and commuter rail linking Durham with Garner, Raleigh, Cary, Morrisville and the Research Triangle Park.
- **CIRCULATORS:** High-frequency, short-distance services linking major activity centers to regional and intercity rail services.

The table below summarizes major investments involving dedicated transit guideways; these projects plus bus routes are included in the tables in this appendix.

Major Transit Investments by MTP Period (see map in 2040 MTP document)

Investment	Type of Service	MTP Period
Downtown Cary to Raleigh Millbrook	Light Rail	2021-2030
UNC Hospital to Durham Alston Avenue	Light Rail	2021-2030
Durham Alston Avenue to Briggs Avenue (extension)	Light Rail	2031-2040
Durham (Duke Hospital) to Garner	Commuter Rail	2021-2030
MLK Boulevard in Chapel Hill Eubanks Rd to Southern Village via UNC Hospitals	Bus Rapid Transit	2021-2030

The CTP transit projects are the same as the MTP projects except for the following additions:

- Light Rail Transit extension from UNC-CH through Carrboro to Eubanks Road;
- Regional Rail extension from west Durham through Hillsborough to Mebane; and,
- Additional Bus Rapid Transit (BRT) in Chapel Hill.

A full listing of all transit projects including the implementation year is in the table that follows. Each row in the table is a separate transit route or service, by direction. The attribute information for each project is presented in columns. Key attributes include:

Route Name – This name provides information to help identify the transit system, local route identification information, and the destination points of the route. Each transit route typically has 2 directions (Eastbound/Northbound and Westbound/Southbound).

Mode – The type of service (e.g. light rail, commuter (regional) rail, local bus, express bus, shuttle service).

Headway – the time between each bus or train on the route, both during peak commute periods and “off-peak” periods during the mid-day and evening.

Start and Stop Years – Indicates the years in which the service will begin and end. In some cases, a service may have a stop year that is before 2040 because it is replaced by a different type of service

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(e.g., a bus route that stops when a rail service opens) or because it is upgraded to a different service. Services expected to continue beyond the 2040 horizon year of the plan have a default stop year of 2060. Services in place for the base year of the Plan have a start year of 2010.

No.	Route_Name	Mode	Peak Headway	Off-Peak Headway	Start Year	End Year
DCHC MPO						
1	Rail LRT D-O 1 EB	Light Rail	10	20	2030	2060
2	Rail LRT D-O 1 WB	Light Rail	10	20	2030	2060
3	Rail LRT Wake 1 EB	Light Rail	10	20	2030	2060
4	Rail LRT Wake 1 WB	Light Rail	10	20	2030	2060
5	Rail CR CP EB	Regional Rail	30	60	2024	2060
6	Rail CR CP WB	Regional Rail	30	60	2024	2060
7	CAT B NB	Local	30	60	2010	2060
8	CAT B SB	Local	30	60	2010	2060
9	CAT D RTP	Local	30	60	2010	2060
10	CHT 54 Local EB	Local	10	20	2010	2029
11	CHT 54 Local WB	Local	10	20	2010	2029
12	CHT A NB:Weiner-MLKBlvd	Local	33	43	2010	2060
13	CHT A SB:MLKBlvd-Weiner	Local	32	43	2010	2060
14	CHT A2 SB:MLKBlvd-Rosemary	Local	38.8	0	2010	2060
15	CHT BRT NB	Express/Shuttle	5 7.5	10 20	2019 21	2060
16	CHT BRT SB	Express/Shuttle	5 7.5	10 20	2019 21	2060
17	CHT CCX IB:Chatham-ChapelHill	Local	20	40	2010	2028
18	CHT CCX OB:ChapelHill-Chatham	Local	20	40	2010	2028
19	CHT Circ Gateway Shuttle NB	Local	15	30	2030	2060
20	CHT Circ Gateway Shuttle SB	Local	15	30	2030	2060
21	CHT Circ Jones Ferry EB	Local	15	30	2030	2060
22	CHT Circ Jones Ferry WB	Local	15	30	2030	2060
23	CHT Circ University Mall EB	Local	15	30	2030	2060
24	CHT Circ University Mall WB	Local	15	30	2030	2060
25	CHT Circ Witfield-Mt Moriah EB	Local	15	30	2030	2060
26	CHT Circ Witfield-Mt Moriah WB	Local	15	30	2030	2060
27	CHT CL IB: WaldenGrnfls-UNCHosp	Local	20	60	2010	2060
28	CHT CL OB: UNCHosp-WaldenGrnfls	Local	20	60	2010	2060
29	CHT CM IB:FamPrac-JonesFerry	Local	47	49	2010	2060
30	CHT CM OB:JonesFerry-FamPrac	Local	46	49	2010	2060
31	CHT CPX IB:UNC-CarborroP&R	Express/Shuttle	19	0	2010	2060
32	CHT CPX OB:CarrboroP&R-UNC	Express/Shuttle	18	0	2010	2060
33	CHT CW IB:Pittsboro-JonesFerry	Local	36	55	2010	2060