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New guidelines for development

- Dedicated partnership between the Urban redevelopment authority (Melbourne Metropolitan Authority) and Infrastructure Victoria to guide State-wide initiatives
- Design guidelines fostering the development of statement architecture rather than ad hoc poor design without complementary facades to surrounds
- Mandatory carbon-neutral and carbon-negative requirements
- Better use of land with mandatory preservation and use of street frontage
- Precinct wide signage – creates “vibe” for each area
- Reduced red-tape for flagship developments (Primary assessments by Council/Community/Government combined board)
- Development of bipartisan Infrastructure and Urban Plan for Victoria with clear goals and outcomes to prevent duplication or wholesale changes after elections
- Major precinct projects to have an “Anchor” development to foster investment and civic stake
- Clear goals and ideas with regards to the overall direction and aims of each new redevelopment precinct

Images representing the proposed architecture revamp needed in Melbourne – enforced through design guidelines and facilitating street engagement in all new CBD developments

Aiming for a build-form that provides excellent architectural elements to the city and creates a cohesive fabric of buildings rather than disparate outgrowths all over as is occurring at present
Federation Square East to Richmond station

a. New major project eg. Concert hall with museum (can we lure Guggenheim/Metropolitan Museum of Art/Museum of Modern Art (MoMA) to open an Australian version) and a cultural hall

b. Green parks across railway lines

c. Improved vehicular access to city (? Dividing roads from Batman avenue to facilitate access towards Russel, Exhibition and Spring Street)

d. Over-rail sports precinct development (expansion of Melbourne Park) – expansion of existing MCC plans for redevelopment connecting Melbourne Park and MCG

e. Over-rail line redevelopment up to Punt Road with mixture of projects as per above (sporting/cultural/parks)

Images – reference for types of designs
f. New Richmond Station (Western side of Punt/Swan Street) with privatisation of land bordered by Punt/Stewart/Swan St (using the funds acquired to finance part of project)
Yarra river promenade

a. Redevelopment + expansion of river frontage (all public access areas) to increase engagement with waterfront. Currently isolation of water from people preventing waterfront use and implementation of riverfront projects

Images for reference re: conceptualisation of ideas
b. New bridges across the Yarra river that improve connections on both sides as well as improve aesthetics and provide new architectural elements

Images for reference re: conceptualisation of ideas
Queen Vic Market

a. Addition of a market hall (eg. Amsterdam and Chelsea Market)

Images for reference re: conceptualisation of ideas
b. Queen Victoria market precinct connection to Flagstaff gardens
   i. Redevelopment along the lines of Bryant park with cultural programs established (Shakespeare in the Park or movies)
New theme-park – biggest in the world (e.g. Six Flags)
   a. Water and adventure theme park
   
   b. To be built likely in Werribee or Northern part of Melbourne to stimulate growth of the outer suburban corridor
   
   c. Engaging with a world-renowned Theme Park operator to establish the world’s largest theme park – catering towards all of Southern Hemisphere as well as Asia

New world-renowned Zoo – Wurundjeri Zoo (based on San Diego Zoo) and a new water safari – Birrarung Safari Park
   a. Based in Werribee with coastal connection via ferry
   
   b. A world first design where people are able to be a part of the facility without disturbing the “natural” habitats of the animals
E-Gate (renamed to Birrarung)

a. New metropolis like Hudson yards in NYC

Images for reference re: conceptualisation of ideas
b. Extending towards West Melbourne (old Vic Fruit Market) and North Melbourne Rail lines (CBD to Maribyrnong River)

c. Anchor development: museum of science and innovation. Museum of Science and Innovation (Science Park)

i. Eg museum of science and industry – Manchester, Cosi – Columbus, California Science Centre, The Tech Museum of Innovation, Canada Science and Technology Museum, Museum of Science – Boston

Images for reference re: conceptualisation of ideas
Hospital Modernisation Program

a. Financed by introducing medical tourism

b. Introduction of uniform signage and e-health system

c. Standardisation of ED and Outpatient infrastructure across the State to ease patient experience

Images for reference re: conceptualisation of ideas
New Economic clusters underpinned by university – business – community partnership

a. Manufacturing hubs

b. High tech hubs

c. Technology precincts

d. Innovation centres

e. Monash/La Trobe/Sunshine/Dandenong/Broadmeadows/Werribee/Parkville/Box Hill/Ringwood/Essendon/Footscray
Collins Street Boulevard

a. Major Shopping strip like Orchard Rd/Fifth Avenue/Champs de Elysee

b. New shopping experience and changes to road to allow one lane for vehicles, trams, bicycle lanes and large pedestrian walkways. Car stopping bays interspersed on street but removal of all parking.

c. Electric car scheme on cross streets
Fishermans Bend

a. Anchor development (eg. Automative museum/Ferrari World/Go-Karting track/transportation museum and aviation museum)

Images for reference re: conceptualisation of ideas
a. Tesla Factory (facilitate the opening of a Tesla Factory which will stimulate growth in new industries related to electrical technology)

b. Strong community development – refer to RMIT proposal (Incorporate native wildlife corridors, diverse building types and streetscapes designed for walking and cycling)

c. Bridge Link between Docklands (Collins St) and Fishermans Bend

Images for reference re: conceptualisation of ideas
d. First carbon negative development with electric buses and electric cars
e. Housing estates with character – NYC brownstone style townhouses (more housing for less land area)

Images for reference re: conceptualisation of ideas
St.Kilda Triangle site
   a. New museums + art gallery/studio

Images for reference re: conceptualisation of ideas
b. Redevelopment of Luna Park – addition of indoor amusement park

c. New major waterfront park
Redevelopment of arts precinct (Sturt St)

a. Creation of a cohesive and collaborative arts spine connecting all major sites

b. Expansion of National Gallery of Victoria

c. Addition of new arts and music studios for public use combined with start-up ecosystem for artists/musicians

d. Major works to create an arts boulevard linking all sites
Docklands rejuvenation

a. Improved connection to the CBD (especially via Collins, La Trobe and Docklands Drive)

b. Establishment of waterfront

Images for reference re: conceptualisation of ideas

c. Removal of Etihad Stadium and shops on Spencer St – Creation of Docklands Park over rail yards and old stadium land (e.g Chicago’s Millenium Park). Between La Trobe, Bourke, Spencer and Docklands Drive. La Trobe St to become a park bridge towards Docklands

d. Opening of a new “Navy Pier” – Yarra Pier – Collins St End of Docklands (similar to Chicago development of Navy pier).

i. Addition of Smorgasbord Food Market – yearly food festivals with monthly cuisine themes (Indian, Spanish, Italian, Greek, Asian, American, British, Australian, African, South American, Middle Eastern and French). Offering to coincide with annual calendar of events. Eg. Indian with Indian festival. Asian with CNY.
e. New wharf pool + recreation on the esplanade (Central pier)

f. Water taxis to facilitate movement between Docklands, CBD and Fishermans Bend

g. Anchor development: technepreneurship/startups. Victorian Startup and Innovation Precinct. Providing the facilities, resources and infrastructure for the startup scene.

i. Dedicated facility for MICE, retail, F&B concepts with mock set-up space

ii. Dedicated facility for healthcare entrepreneurship

iii. Dedicated tech facility
Images for reference re: conceptualisation of ideas
MASTER PLAN
The Master Plan for the Cornell Tech campus combines six key principles, including: a river-to-river experience, the North-South pedestrian spine (known as the Tech Walk), a diverse collection of open spaces, the importance of indoor and outdoor spaces, optimization of building use and performance, and a livable and sustainable campus.

RESIDENTIAL BUILDING
The residential building is currently in its design phase; the above image is a representation of the building, not its current or final design. The building will include approximately 350 housing units for students, staff, and faculty, with a mix of micro units, one bedrooms, two bedrooms, and three bedroom suites. Planned amenities include a gym, bike room, lounge, rooftop deck, multi-purpose, collaboration, and media rooms for residents. It is being developed in partnership with Hudson and Related Companies.

THE CAMPUS PLAZA
The "Tech Walk" is the centerpiece of the pedestrian spine of the campus. It will feature various outdoor spaces, benches, trees, and landscape and is accessible to the public. The completed campus will have over 2.5 acres of open public space.

CORPORATE CO-LOCATION
Designed to foster interactions and collaboration between the tech community and Cornell Tech students and faculty, the Corporate Co-Location building provides space for companies to exist right on campus. It is being developed in partnership with Forest City Ratner Companies.

FIRST ACADEMIC BUILDING
This building will include innovative academic facilities designed for the Information Age, including state-of-the-art technology and net-zero energy aspirations. A café and terrace facing the campus plaza will be open to the public.
Wifi – city wide, all public facilities, stations and tram stops. (Victorian Wifi Service – for a $1-2 fee a month until cost covered. Charged via phone company)

a. Once wifi established at all public facilities State wide, development of electronic way finding and signage with smart sensors and screens (e.g. weather/news headlines)

Electric Car/Bus /Bike Share program and digitisation of all parking meters

a. Removal of on-street parking on selected roads (e.g. Elizabeth Street and Collins St)

b. Construction of multi-story carparks to compensate for loss of roadside spaces

c. Cycling highways with grade separation on common roads

d. Modern bus-stops with wayfinding

Images for reference re: conceptualisation of ideas
SOLUTION 1.

Each of its bike racks, which are designed as modules, enables parking 32 bikes in one car parking space.

1 CAR  8 BICYCLES  32 T-BIKES
EXHIBIT 47: ELEMENTS OF ROUNDABOUTS WITH SEPARATED BIKE LANES

1. Bicycle Crossing
2. Yield Markings
3. Bicycle Stop Line
4. 5 ft. Curb Radius
5. Channelizing Island
Train network redevelopment, Train station renewal and urbanisation program

a. E.g. South Yarra, Richmond etc.

b. All Premium Stations – creation of land plots for sale to finance projects and establish community hubs.
   i. Development of residential facilities near stations
   ii. Using financing method similar to that in Hong Kong

c. New colour coded transportation map with no zones. Pay as you go method.

d. Establishment of light rail where normal rail is too costly (e.g. Eastern Fwy and Monash Uni)

Images for reference re: conceptualisation of ideas
State-wide Roads Program
a. Widening of all existing roads using pre-existing infrastructure and road space
b. Removal of dangerous zones and addition of safety barriers
c. Electronic Roads Pricing Scheme to pay for this and reduce congestion
d. Consideration of uni-direction roads in the CBD (e.g. NYC style to increase capacity whilst funnelling traffic towards particular areas to ease congestion)

Flinders Street Station redevelopment
a. Flagship re-development with hotel and sky park (use design principles from People’s Choice winner or contest)
Melbourne Floating Parks and garden bridges + redevelopment of existing bridges

a. E.g. Pier 55 in NYC

b. Conversion of over-rail yards into activity park/green spaces
   i. Using pre-fabrication technology and other new technologies to reduce cost

c. E.g bridges – Sandridge bridge, London Garden Bridge, Washington Street Bridge

Images for reference re: conceptualisation of ideas
Arden-Macaulay

a. New suburb with carbon-neutral/negative footprint

b. Young families/adult type neighbourhood

c. First NYC style brownstone townhouses in Melbourne and new housing concepts to facilitate social integration

Images for reference re: conceptualisation of ideas
Bringing investment and Tourism into Melbourne (Hotels)
  a. Armani, St Regis, Oberoi, Jumeirah, Waldorf Astoria

Vertical school campuses

Parkville Precinct (Establishing one of the world's best healthcare precinct)
  a. RMH – refurbishment of primary campus

  b. Royal Melbourne Integrated Cardiovascular Centre (RMICC)
     i. Cardiothoracic, respiratory, renal, vascular, interventional radiology, cardiology

  c. Links between RMH, RWH, RMICC and VCCC

  d. Health innovation campus

  e. Medical tourism
State-wide urban redevelopment

a. Lighting changes, LED lights

Images for reference re: conceptualisation of ideas

b. Traffic Light upgrades – LED lighting to reduce costs and art on crossings

Images for reference re: conceptualisation of ideas
c. 3D Street Art – targeting Melbourne laneways

Images for reference re: conceptualisation of ideas
d. Elizabeth Street Rejuvenation

Images for reference re: conceptualisation of ideas

e. Streetscape, roads, digital wayfinding projects and street art installations
f. Old MX stands – vertical gardens, old CBD toilet openings - gardens

g. Street advertising
Public plazas/public infrastructure and pedestrian walkways
Images for reference re: conceptualisation of ideas
CBD vertical farm and rooftop gardens – near QVM redevelopment

a. Sufficient produce for CBD

Images for reference re: conceptualisation of ideas
Melbourne Park

a. Completion of sporting precinct with “Sports Walk” (over-rail development)

b. Manchester United Soccer School and Training Academy

c. Ralph Lauren Polo Club + Hotel and Restaurant (anchor development)

d. Urban Sports Centre

i. Gym, pool, games, archery, skateboarding park, rock-climbing, picnic booth, obstacle course

Images for reference re: conceptualisation of ideas
Maribyrnong river redevelopment around surrounding precinct to make a new waterfront suburb

Images for reference re: conceptualisation of ideas
Flower park/Conservatory – rejuvenation of Royal Botanical Gardens

Images for reference re: conceptualisation of ideas
Permanent city winter ice skating rink at Melbourne City park; summer Xmas wonderland, Spring Flower Carpet and Autumn Skate park

Images for reference re: conceptualisation of ideas
High Speed Rail (Regional Corridors)

b. Melbourne – Geelong – Warrnambool
c. Melbourne – Ballarat – Horsham
d. Melbourne – Daylesford – Bendigo – Mildura
e. Melbourne – Seymour – Shepparton – Wangaratta – Wodonga

Ferry service – Yarra River

a. CBD, Southbank, Crown, Fed Square East and West, Docklands, Fishermans Bend x2, Sports precinct (Melbourne Park), Botanical Gardens, Williamstown, Altona, Werribee, Point Cook
Station Pier redevelopment

a. Redevelopment of foreshore with new building design and activation of pier

Images for reference re: conceptualisation of ideas
Albert Park Lake

a. Lakeside redevelopment and addition of picnic spots

b. Addition of hammocks and other leisure facilities

c. Anchor development: wellness retreat (Private)
Melbourne Museum Expansion

a. Can we convert the Royal Exhibition Building to house the first Australian Museum of Natural History and link both the Melbourne Museum and Royal Exhibition Building?

Social Housing Infrastructure

a. Improved social housing estates – new developments funded by selling off prime social housing (housing commission) flats in inner city to build newer more extensive estates in outer growth regions serviced by public transport infrastructure

Images for reference re: conceptualisation of ideas