Attachment #2 - SW LRT
Supplemental Draft Environmental
Impact Statement Comments
City of Minneapolis
June 2015

City of Minneapolis comments pertaining to the SW SDEIS are split into two categories; general comments that highlight the City of Minneapolis position on a particular topic and specific comments that include more technical detail. Specific comments pertain to a given chapter or page within the SDEIS document.

City of Minneapolis comments on the Supplemental DEIS are based on three principles:

1. Comments are based on unresolved topics and the need to clarify, correct, or mitigate an issue in preparation for the FEIS. Comments are also intended to inform the final design, project specifications, construction means/methods, and long-term operation of the line. The City will not be commenting **again** on past decisions such as LRT alignment, freight alignment, or scope/budget. **The City's perspective has been captured in previous council actions including the municipal consent resolution adopted on August 29, 2014.**
2. Comments are based on the SDEIS, but also reflect the city's understanding of recent changes to the scope and budget recommendations made by the July 1, 2015 Corridor Management Committee meeting and adopted by the Metropolitan Council on July 8, 2015.
3. The City of Minneapolis continues to support the **Southwest LRT** project **contingent on adherence to the Memoranda of Understanding reached between the City of Minneapolis and Met Council and between the City of Minneapolis and Hennepin County, both of which were adopted on August 29, 2014**. Comments are intended to lessen the negative impacts to residents and businesses near the corridor and to improve the quality of the project.

It should be noted that these comments are supplemental to the previously submitted December 2012 City of Minneapolis DIES comments and to the August 2013 City of Minneapolis SDEIS scoping letter to the Southwest Project Office.

The city appreciates the work of the Metropolitan Council to address the concerns that the city has raised to date. The City of Minneapolis will continue to work closely with the Southwest LRT Project Office and with other partnering agencies to help make this project a long-term success.

General Comments:

Below are several general comments pertaining to the SDEIS. These topics require further analysis, clarification, or detail and need to be addressed prior to the completion of the FEIS:

Ridership – It is difficult to understand station ridership data in this document. It is very time consuming to cross-reference data between the original DEIS and the SDEIS. Data is often

presented, compared, and contrasted in different baseline and forecast years. It would be helpful for the document to include a large table that shows accurate ridership values for each station. The data needs to be based on the latest regional model and the table needs to include opening day (2020) projected ridership, 2040 projected ridership, reverse commute ridership, new transit trips, and transit dependent user ridership.

Construction Impacts – Construction impacts pertaining to the shallow tunnel design such as noise and vibration are discussed in the SDEIS. The SDEIS states that "Construction noise impacts are expected to be localized, temporary, and transient." While in general this may be true, the document minimizes and understates impacts of the shallow tunnel to residents. While the City of Minneapolis recognizes that additional design work and construction methods will better inform the extent of these impacts, the known impacts should be better identified in the SDEIS. These impacts will increase with proximity to the physical improvements. It is understood that additional details regarding potential short-term noise impacts will be evaluated further and provided in the forthcoming FEIS, based on the equipment, duration, and type of work effort. These details and the respective short-term impact determinations need to be provided when additional design and construction information is available not when the FEIS is published.

Given the close proximity of homes and townhomes to the construction work, effort must be made to dampen or minimize the noise and vibration caused by sheet pile driving. There will also be tree loss along the corridor. The means and methods for removing trees are not defined in the DEIS. It should be noted that there is concern about potential noise created by chain saw activity in addition to wood chipping. Hours of construction operation must be limited to ensure that residents are not disrupted at night; the City of Minneapolis Noise Ordinance will be enforced restricting hours of operation on week nights, weekends, and Holidays.. In addition to noise and vibration, light pollution must be considered when securing the project at night. An effort must be made by the project and its contractors to control dust, to maintain safe truck routes, to comply with truck weight limits, and to follow jake breaking laws.

The project needs to identify proper mitigation for properties impacted by construction. The project needs to develop and implement a construction management plan that addresses hours of operation, access routes, BMPs for mitigating dust and debris on public streets and private property. The City of Minneapolis would like to be consulted in the development of this plan.

Shallow Tunnel; Environmental Issues – Mitigation will be required for adverse impacts to City of Minneapolis surface waters, storm drains, storm tunnels, sanitary sewers, and surface drainage, including but not limited to physical conflicts, pollutant loads, surface water levels, increased stormwater runoff, changes to surface drainage impacting public or private properties, or degradation of hydraulics, condition, capacity, or operational/maintenance access. There needs to be a section in the FEIS on the impact to the tunnel on existing utility infrastructure and what mitigation will be provided.

Freight Rail Safety - There must be coordination between the SPO and the railroad to minimize the risk of a derailment, especially if trains are carrying hazardous materials. Emergency vehicle access of the construction site must be coordinated prior to construction. The SPO shall include

both the Minneapolis Fire Department and the Police Department in future Emergency Response planning for both the construction period and long term operations. Members of the public have expressed great concern regarding the risks of a train derailment during construction. The SDEIS needs to address these risks.

LRT Operation - The document states that there will be emergency vehicle delays of approximately 50 seconds, 12 times per hour at 3 at-grade locations within Minneapolis and St. Louis Park once the LRT opens for service. Alternate routes for emergency vehicles may need to be suggested. The SPO shall include both the Minneapolis Fire Department and the Police Department in future Emergency Response planning for both the construction period and long term operations. The City of Minneapolis is pleased that improvements to the tunnel ventilation system will be made to ensure passenger safety. As previously stated in the DEIS comments, it is important that noise from LRT bells, whistles, and horns be evaluated and minimized. While some warning devices are required by federal law, policies and procedures regarding some rail operations are local (at the discretion of the Metropolitan Council).

Visual Impact - The City of Minneapolis agrees that the project will result in a substantial level of visual impact in the Kenilworth corridor. The impact must be mitigated and the corridor improved in the manner described in the memorandum of understanding between the Metropolitan Council and the City of Minneapolis. The City looks forward to continued conversations with the project office and the community regarding the restoration of the corridor, and expects these measures to be included in the FEIS and implemented by the project.

Regional Transit Connections – A significant amount of work has occurred within the region to advance other transit projects since the DEIS was published in 2012. This includes the Midtown Greenway Corridor, which was the subject of an Alternatives Analysis document. This project needs to be discussed more within the SDEIS since track accommodations at the West Lake Street station have been made for that project. The Lake Street ABRT project was also identified as part of that study and makes a direct connection to the Green Line at West Lake Street. The C-Line along Penn Avenue has also advanced to the design phase. As proposed, customers using the C-Line can transfer to the Green Line at the proposed Royalston Avenue Station. Proposed bus connections at the Van White station and improved sidewalks near the Penn Station will also help transit dependent riders get to destinations along the entire Green Line travelshed. Mention of these projects within the SDEIS would be helpful.

Specific Comments (By Chapter):

Executive Summary

Table ES-1 on page ES-15 states that there are 67 moderate and 3 severe noise impacts. More information is needed on how these properties will be mitigated.

Table ES-1 on page ES-16 states that 6 high-risk environmental sites could require remediation prior to construction, that there could be potential spills during construction, and that sites with existing contamination could be encountered during construction. More information is needed regarding the identified sites and what will be done (and how long it takes) to remediate a site or situation.

Chapter 1 –Purpose and Need

Page 1-1 – "The Southwest LRT Project will improve access and mobility to the jobs and activity centers in the Minneapolis central business district, as well as along the entire length of the corridor for reverse-commute trips to the expanding suburban employment centers." When looking at the FTA's 2014 response to the SW Corridor scope, suburban land use was one of the areas identified for improvement. By increasing corridor density, the project will become more competitive at the federal level. As mentioned in the general comments, calculating the number of reverse commute riders is an important equity measurement that needs to be shown in a table station by station.

Chapter 3 –Affected Environment, Impacts, and Mitigation

Section 3.4.1.5 (Visual Quality and Aesthetics) analyzes the anticipated changes to visual quality from six viewpoints between the West Lake Street and 21st Street stations. The SDEIS assigns a substantial level of impact for three of these:

- Viewpoint 2, looking north near Lake Street
- Viewpoint 3, looking north toward the tunnel portal south of the canal crossing
- Viewpoint 4, view from the bike trail at the south side of the channel crossing

The City of Minneapolis agrees that the project will result in a substantial level of visual impact in these areas. The impact must be mitigated and the Kenilworth corridor improved in the manner described in the memorandum of understanding between the Metropolitan Council and the City of Minneapolis. The City looks forward to continued conversations with the project office and the community regarding the restoration of the corridor, and expects these measures to be included in the FEIS and implemented by the project.

The City of Minneapolis has the following concerns about visual quality and aesthetics not covered in the SDEIS:

- The drawings and discussion of the tunnel portal near the channel do not acknowledge that among the substantial visual impacts are a six-foot concrete crash wall adjacent to the freight tracks and an eight-foot fence between the portal and the bike trail. The FEIS should state these facts explicitly and include a level of mitigation that is commensurate with the substantial level of impact.
- While the SDEIS includes an analysis of the area around the tunnel portal near the channel, it does not discuss the tunnel portal near Lake Street. The City of Minneapolis expects that equal attention will be given to the mitigation of visual impacts at both tunnel portals.
- The project will substantially impact visual quality and aesthetics between the 21st Street and Penn Avenue stations, but an analysis of that impact is not included in the main body of the SDEIS. Previous work by the Metropolitan Council quantifies the anticipated tree loss in the Kenilworth corridor under the since-discarded two-tunnel option. Tree loss and a change to aesthetics will remain an issue with the construction of LRT at grade in this segment, and the City of Minneapolis expects the same level of restoration and improvement in this segment as the West Lake to 21st segment.

Section 3.4.2.3 (Noise) and Section 2.4.2.4 (Vibration) identifies both severe and moderate noise and ground-borne noise impacts in the Kenilworth corridor. The City of Minneapolis expects both severe and moderate noise and ground-borne noise impacts to be mitigated. We look forward to working with the project office on the development of these mitigation measures.

Page 3.12- It is not clear whether all relevant noise issues will be covered in the FEIS document. It is important to be clear about what studies are remaining in addition to what has been done to date.

Page 3-17- The SDEIS uses 2030 model information when the CMC and staff have been using projected 2040 model numbers to make decisions. It is important that the SDEIS include the 2040 data to help justify the context of these decisions.

Page 3-18- The operating assumption has always been that 7.5 minutes headways will be used. It is clear now that 10 minute headways will be used to match Central Corridor frequency. The SDEIS needs to state whether or not 7.5 minute headways will work in the future.

Page 3-20 - "As noted in Section 2.5 of this Supplemental Draft EIS, the LPA would result in short-term and long-term shifting of the freight rail tracks prior to tunnel construction in the Kenilworth Corridor. Changing the physical operations of freight railroads can result in community impacts such as running freight trains at night. While TCW is allowed to operate at night; they currently choose to run during the day. They also choose to run at 10 mph instead of 25 mph. It is important that the agency partners continue to work with the railroad to try to minimize the number of night trains they run and the frequency and speed of those trains to maintain quality of life for residents.

Page 3-21 Freight Table 3.1-5 - It should be noted that noise and vibration analysis modeling was done using 10mph vs 25mph. We support that assumption since that is the current operating speed of trains in the corridor.

Pages 3-23 Table 3.1-6 – This table identifies many upcoming mitigation elements not included in the SDEIS. The City of Minneapolis is very interested in reviewing and commenting on all future plans and mitigation efforts identified in the DEIS and SDEIS prior to the issuance of the FEIS, these include but are not limited to:

- Construction Communication Plan
- "Forthcoming aesthetic guidelines"
- Groundwater Management Plan
- Noise Mitigation Plan
- Vibration Mitigation Plan
- Section 106 review

Page 3-26 Bicycle & Pedestrian - "Because there would be no long-term adverse impacts from the LPA on bicycle and pedestrian facilities, no long-term mitigation measures have been identified" Given that the Cedar Lake Trail Bridge has been eliminated from the project scope, it is important to mitigate any risks associated with crossing three rail tracks (two light rail tracks

and one freight rail track). It is recommended that gate arms be considered at the trail crossings give the high trail counts.

Page 3-27 Environmental Justice. The DEIS used 2000 Census data and the SDEIS uses the American Community Survey (ACS) from 2007-2011 to identify low income populations. More recent ACS data is available 2009-2013. The City of Minneapolis suggests that the most recently available data is used to determine environmental justice compliance.

Page 3.135 – Table 3.4-1, Summary of Findings: For the Public Waters and Stormwater Management Sub-category of the Water Resources Category, please add, Stormwater runoff would be treated to meet local requirements.

Page 3-136 Section 3.4.1.1 Land use . The list of planning documents consulted to inform the Land Use section does not include The Minneapolis Plan for Sustainable Growth (2009), the City's Comprehensive Plan. It also does not include the Midtown Greenway Land Use and Development Plan (2007). These plans provide general and site specific guidance for land use and development intensity in Minneapolis. The City of Minneapolis is concerned that the oversight in listing the plans equates to an oversight in reviewing the plans and understanding their relevant recommendations. This impacts the Land Use and Economic impacts analysis in the SDEIS. The City of Minneapolis requests that these documents and their relevant guidance be reviewed and considered where relevant in the FDEIS.

Page 3-138 – The City of Minneapolis does not support park and rides within the city limits. The City of Minneapolis appreciates the attention the SPO staff has given to bicycle and pedestrian infrastructure approaching each of the Minneapolis stations. Careful attention to this detail will increase transit ridership and will promote TOD.

Page 3-139 Section 3.4.1.1, Long Term indirect Land Use Impacts. The SDEIS makes the following statement regarding redevelopment potential and land use changes: "While some redevelopment within the West Lake 21st Street, and Penn Station areas would be possible, land uses surrounding the stations would be expected to generally remain unchanged because of the relatively high level of existing development in those areas." The West Lake Street station is adjacent to nearly 14 acres of single story shopping center development. The City has adopted policy direction (Midtown Greenway Land Use and Development Plan -2007) that calls for mixed use transit oriented development of five or more stories. Additionally, at the Penn Station along Madeira Avenue and Wayzata Boulevard there is approximately 3.5 acres of low scale commercial and industrial development. The Bryn Mawr Land Use Plan, adopted by the City in 2005, calls for mixed use development. For both the West Lake and Penn stations, these are significant areas of potential changes and intensification of the uses which the SDEIS does not recognize.

Page 3-168 – 3.4.2.1 It is stated, "Construction activities and potential light rail-related improvements both have the potential to affect groundwater by potentially changing the flow of or contaminating groundwater within the project vicinity." Please REPHRASE to add the potential of changing the flow of previously contaminated groundwater, such as, ". . . by

potentially changing the flow of groundwater (including previously contaminated groundwater if present), or contaminating groundwater, within . . ."

Page 3.169 – 3.4.2.1 - It is stated that groundwater removal would be required during construction of the light rail. Please identify if groundwater removal is expected to be required after completion of the tunnel in order to keep it functional. Other sections of the document appear to indicate this.

Page 3.169 – It is highly recommended that more accurate methods be utilized to determine the high groundwater elevation in the location of the tunnel. Typical soil borings may not be very reliable in this regard. If any post-construction groundwater discharges are proposed to the City of Minneapolis sewer systems, the City of Minneapolis will require the discharges be quantified based on the anticipated high groundwater elevation on the site.

Page 3.170 – Discharge of groundwater from the internal tunnel to the City of Minneapolis sanitary sewer will require additional review. Any proposed groundwater discharges will need to be quantified and testing of the groundwater for the presence of contaminants will be required. It should not be assumed that discharge to the City of Minneapolis sanitary sewer system will be granted.

Page 3.170 – It is the expectation that any waterproofing that is necessary in order to limit groundwater infiltration into and, in turn, groundwater discharges from the tunnel be maintained for the life of the improvements. It is recommended that the maintenance of any waterproofing proposals be thoroughly evaluated and selected with this in mind.

Page 3-170 – Footnote 34 addresses discharge as a result of a larger than 100-year storm event from tunnel portals. The proposed location(s) and rate(s) would need to be reviewed and approved by the City of Minneapolis.

Page 3.172 – The filtration tanks, infiltration basins or other means identified in The Risk of Groundwater Contamination during Construction section would also need to be reviewed and approved by the City of Minneapolis. The discharge as a result of a larger storm event would also need to be approved by the City of Minneapolis.

Page 3.172, C. Mitigation Measures – The groundwater management plan must also be reviewed and approved by the City of Minneapolis.

Page 3.177, list of potential BMPs, bullet 7 – straw bales are not allowed as BMPs in Minneapolis.

Page 3.179, C. Mitigation Measures – add that Stormwater runoff (long-term) will need to be in compliance with MPCA NPDES General Construction Permit Section III.D., PERMANENT STORMWATER MANAGEMENT SYSTEM, and will need to be reviewed and approved by the City of Minneapolis under Minneapolis Code of Ordinances Chapter 54, Stormwater Management.

Page 3-184 – The SDEIS makes the following statement regarding short term noise and vibration "Construction noise impacts are expected to be localized, temporary, and transient. These impacts would increase with proximity to the physical improvements. Additional details regarding potential short-term noise impacts will be evaluated further and provided in the forthcoming Final EIS, based on the equipment, duration, and type of work effort. These details and the respective short-term impact determinations will be provided when additional design and construction information is available." While it is recognized that substantially more design work is ahead, many areas of major infrastructure, such as a shallow tunnel, are known and should be listed in the SDEIS.

Page 3-186 – The SDEIS concludes that "the results of ground-borne noise impacts for residential land use are presented in Table 3.4-14. There would be no vibration or ground-borne noise sensitive institutional land uses in the St. Louis Park/Minneapolis segment." This statement needs to be substantiated or clarified.

Page 3-200 - Among the potential strategies for improving traffic operations at intersections is the modification of light rail at-grade crossings from preemption to a priority strategy. It is the understanding of the City of Minneapolis that priority signalization (not preemption) will be the standard for all Minneapolis intersections.

Chapter 4 –Public and Agency Coordination

Page 4.21 – Table 4.5-2, Preliminary list of Required Permits/Approvals and Reviews (by Agency Jurisdiction)
Under City of Minneapolis, add Stormwater Management – Approval. (Per Minneapolis Code of Ordinances Title 3 Chapter 54 Stormwater Management)