



City of Sandy

Agenda

City Council Meeting

Meeting Date: Monday, November 7, 2022

Meeting Time: 6:00 PM

Page

1. MEETING FORMAT NOTICE

This meeting will be conducted in a hybrid in-person / online format. The Council will be present in-person in the Council Chambers and members of the public are welcome to attend in-person as well. Members of the public also have the choice to view and participate in the meeting online via Zoom.

To attend the meeting in-person

Come to Sandy City Hall (lower parking lot entrance).
39250 Pioneer Blvd., Sandy, OR 97055

To attend the meeting online via Zoom

Please use this link: <https://us02web.zoom.us/j/89734634447>

Or by phone: (253) 215-8782; Meeting ID: 89734634447

Please also note the public comment signup process below.

2. JOINT COUNCIL / PLANNING COMMISSION WORKSESSION - 6:00 PM

- | | | |
|------|---|---------|
| 2.1. | <u>Envision Sandy 2050: Project Update</u> (6:00 p.m.) | 3 - 45 |
| | Envision Sandy 2050: Project Update - Pdf | |
| 2.2. | <u>Transportation System Plan Update</u> (6:30 p.m.) | 46 - 90 |
| | Transportation System Plan Update - Pdf | |

3. CITY COUNCIL REGULAR MEETING - 7:30 PM

4. PLEDGE OF ALLEGIANCE

5. ROLL CALL

6. CHANGES TO THE AGENDA

7. PUBLIC COMMENT

The Council welcomes your comments at this time.

If you are attending the meeting in-person

Please submit your comment signup form to the City Recorder before the regular meeting begins at 7:00 p.m. Forms are available on the table next to the Council Chambers door.

If you are attending the meeting via Zoom

Please complete the [online comment signup webform](#) by 3:00 p.m. on the day of the meeting.

The Mayor will call on each person when it is their turn to speak for up to three minutes.

8. RESPONSE TO PREVIOUS PUBLIC COMMENTS

9. CONSENT AGENDA

- 9.1. **City Council Minutes** 91 - 106
[City Council - 17 Oct 2022 - Minutes - Pdf](#)
- 9.2. **School Resource Officer Contract Renewal** 107 - 113
[School Resource Officer Contract Renewal - Pdf](#)

10. NEW BUSINESS

- 10.1. **Wastewater System Facilities Plan Amendment** 114 - 169
[Wastewater System Facilities Plan Amendment - Pdf](#)

11. REPORT FROM THE CITY MANAGER

12. COMMITTEE /COUNCIL REPORTS

13. STAFF UPDATES

- 13.1. [Monthly Reports](#)

14. ADJOURN



Staff Report

Meeting Date: November 7, 2022
From Shelley Denison, Associate Planner
SUBJECT: Envision Sandy 2050: Project Update

DECISION TO BE MADE:

This report and presentation are informational, and no decision is required.

PURPOSE / OBJECTIVE:

The purpose of this update is to debrief and summarize the outcomes of Future Fest and the resulting vision statement.

BACKGROUND / CONTEXT:

On September 28, 2022, Sandy City staff and 3-J Consulting staff held a public open house, called "Future Fest," at Wippensappers Kids' Play Place. The purpose of Future Fest was to provide information on outreach efforts during the community visioning process and to receive input from the public on the draft vision statements. An online survey was also available on Sandy Speaks in which survey participants could read the vision statement and provide their feedback.

RECOMMENDATION:

Review the Future Fest summary report and the resulting vision statement.

LIST OF ATTACHMENTS/EXHIBITS:

Attachment 1: Sandy Future Fest Summary
Attachment 2: Envision Sandy 2050 DRAFT Vision Statement
Attachment 3: Presentation Slides 11-07-2022



SANDY 2050 FUTURE FEST Event Summary October 28, 2022

Overview

On September 28, 2022, the City of Sandy hosted *Future Fest*, an open house event for its *Envision Sandy 2050 Vision and Comprehensive Plan* process. The purpose of the event was to report back on the outreach and engagement activities that took place over summer 2022, vet and refine the draft *Envision Sandy 2050 Vision Statement*, and identify priorities and opportunities for achieving the vision.

A significant number of community members participated in the event at the Wippersnappers Kids' Play Place, where free kids' play and food were provided, and beverages were available for sale at the Wippersnappers Cafe. A wide range of participants included residents, business owners, families with children, and elected officials.



The event was organized around stations set up around the event space. Stations corresponded to each of the six themes identified in the draft vision statement, in addition to a station that shared results for the community outreach and the overall draft vision statement. The six themes, which will become the organizing framework for the City's update to the Comprehensive Plan, include: *Community and Culture; Housing and Economy; Governance and Growth Management; Transportation and Infrastructure; Parks, Trails and Natural Resources; and Natural Hazards and Resiliency.*



Participants were invited to review the draft vision statement for each of the six themes and share their "big ideas" for how the community can achieve that vision. Each station included a facilitator and notetaker, which were either City staff or Community Advisory Committee (CAC) members. Ideas were captured through notetaking on a flipchart, or participants could submit them in writing through a comment form. These ideas will help guide the development of goals and policies for the Comprehensive Plan.



Since the City is currently undertaking an Economic Development Strategy and updating their Transportation Systems Plan (TSP), additional material and background information were provided for the *Housing and Economy* station, and the *Transportation and Infrastructure* station. Participants were invited to share their priorities among potential economic development strategies, as well as priorities for various transportation improvement projects identified through the TSP process.

Discussions were robust and collaborative, resulting in dozens of community ideas and feedback on the draft vision statement. Most participants indicated that they felt the draft vision statement was on track. Key topics of conversation included wildfire mitigation, parks maintenance, and pacing infrastructure with development. In addition to paper comment forms, an online survey was available to complement the discussion at the event for those who could not participate in-person. A compilation of the raw notes from the flipcharts and comment forms are included in Appendix A, and the online survey responses are captured in Appendix B.

ENVISION SANDY 2050 Draft Vision Statement

Community and Culture

In 2050, Sandy retains its small town feel through a combination of community and place. Community is vibrant, active, and resilient due to the city and region. The population of Sandy is diverse, and the city provides a variety of services and amenities. The city is a place where people want to live, work, and play. The city is a place where people want to raise their children, and where they want to retire. The city is a place where people want to live, work, and play. The city is a place where people want to raise their children, and where they want to retire.

Economic and Growth Management

In 2050, Sandy is a place where economic growth and job creation are the norm. The city is a place where people want to live, work, and play. The city is a place where people want to raise their children, and where they want to retire. The city is a place where people want to live, work, and play. The city is a place where people want to raise their children, and where they want to retire.

Parks, Trails, and Natural Resources

In 2050, Sandy is a place where parks, trails, and natural resources are the norm. The city is a place where people want to live, work, and play. The city is a place where people want to raise their children, and where they want to retire. The city is a place where people want to live, work, and play. The city is a place where people want to raise their children, and where they want to retire.

Public Health and Well-being

In 2050, Sandy is a place where public health and well-being are the norm. The city is a place where people want to live, work, and play. The city is a place where people want to raise their children, and where they want to retire. The city is a place where people want to live, work, and play. The city is a place where people want to raise their children, and where they want to retire.

Transportation and Infrastructure

In 2050, Sandy is a place where transportation and infrastructure are the norm. The city is a place where people want to live, work, and play. The city is a place where people want to raise their children, and where they want to retire. The city is a place where people want to live, work, and play. The city is a place where people want to raise their children, and where they want to retire.

Envision Sandy 2050
A Community Snapshot

Sandy 2050 will look like Sandy will plan for and manage future growth and development through 2050. A focus of activities related to land use and the future of jobs systems and services in Sandy is to show how a resident might experience the city in the future.

To envision the future of Sandy, this community profile provides a shared understanding of Sandy as it exists today.

Who We Are

73.3% - Single Family Detached
14.3% - Multi-family
7% - Single Family Attached
5.6% - Mobile Home

Where We Live

The median gross rent in Sandy over the 2015 to 2017 period was \$1,238. About 19% of Sandy households are rent burdened, compared with the county average of 32%. Median home value has increased over the last ten years increasing from about \$180,000 in 2007 to about \$240,000 in 2017.

What We Earn

Between 1999 and 2018, Sandy's median household income increased from about \$20,000 to about \$27,000 per year. However, Sandy's median household income is about \$7,000 less than Clatsop County.

APPENDIX A. Flipchart Notes and Comment Form submissions

Stars indicate the number of times a comment or sentiment was repeated

Station 3: Community and Culture

- Music in the park
- Support arts and events that we currently have, and develop more
- Connect kids at school with our seniors
- A functional community center with better programs for kids and all ages
- Improve access to salmon creek park, there are unsafe walking conditions
- Have a newsletter for activities
- Tell people about what services are provided by Sandy for the Visitor's Center
- Better restaurant options, i.e., fine dining
- We need a community center based around the pool. Include the senior center and a multipurpose building where activities, meetings, and events can take place
- The Sandy library is the best example of doing things right and helping to provide a great resource
- Welcome to Sandy signs
- Support downtown and downtown housing
- Accessible public parking for easy access (possibly cedar ridge)
- Green spaces; gardens and buffers
- Walkability and accessible sidewalks
- Event highlighting
- SAM + bus riding
- More kids events and classes at community center
- Rent too high for businesses
- Support library
- Bypass to help for traffic
- Enforcement for traffic
- Slow growth
- Affordable housing
- Resources to lessen crime, homeless, and poverty
- Better restaurant options (healthy)
- Community festivals; heritage fest, Oktoberfest
- Maintain resident amenities
- Communication: outreach, highlight services
- Engagement center; jobs training, arts classes, etc.
- Embrace our roads as gateway to mt. hood

Station 4: Governance and Growth Management

- Responsible growth
- Ensure enough parkland, open spaces
- Maintain what we have
- Maintain new assets, parks, facilities
- Developers pay their way
- Maintain balanced zoning (low density, medium, etc.)
- No big stores like Walmart or Target
- We need better curbs; they stick out too much and get damaged. Too much concrete in general.
- Ideas; gateway signs, programs at the plaza

Station 5: Parks, Trails, and Natural Resources

- Existing playgrounds outdated and shows wider variety
- Sandy Bluff not useable from stormwater
- Playground exposed to the elements
- ADA for all parks
- More trails for walkability
- Concerns about safety for using sandy river trail
- Care for exiting flora/fauna
- Median strips unsightly *
- Need to improve ADA for Salmon Creek Roads they don't allow ADA foot access, add sidewalk extension from Debarko to Salmon Creek *
- No safe crossing for foot and ADA into Viewpoint
- Need more water fountains
- Pump track mt. bike trails *
- Improved access to sandy river with better parking infrastructure *
- Bike park through sandy river trail/park
- More/continued connections to tickle creek trail system
- Variety of parks with updated facilities and bathrooms
- Play structures that are accessible in all weather
- Expand trail system, partner with county
- Lake Oswego and Tigard have good examples of ADA play equipment
- Improved trails for ADA, like tickle creek
- Connectivity of bike trails and walking trails
- Bike rack
- A map of parks near visitors center of plaza, and things that make sandy special
- An event to rise awareness about what we already offer
- Natural-scapes playground, logs, and boulders
- Preserve what we have and add more open spaces
- More!
- Improve Salmon Creek Park, walking paths after Bubarito Road other than going through Tickle Creek Trail

Station 5: Natural Hazards

- Code enforcement for things like fireworks
- Traffic exit strategy
- Improve ice conditions on roads
- More fire considerations
- Bury power poles
- Workshops
- Incentives
- Communication system
- Practice drills
- CERT
- Road safety
- Emergency base stations, parking lot
- Connections with FEMA; outreach partners like churches
- Earthquake strategy
- Emergency kits/ checklist for evacuation
- Emergency services
- Fire seminar; prevention and preparation
- Wild/urban boundary zoning

Station 7: Housing and Economy

- Need more concentration of activity Downtown, like Oregon City *
- Important to retain mountain vibe
- Pleasant street master plan – 26 is loud and busy! *
- Small business complex for entrepreneurs that live in sandy, model after Rockwood food hall. But not necessarily only food businesses (west sandy concept site or pleasant street) *
- Small size affordable commercial spaces *
- Partner with habitat for humanity to build affordable homes for local families to buy*
- Balance small and large business additions (Target * or Walmart * or large grocery store)
- Quiet and crime free neighborhoods (no homelessness)
- Better code enforcement, no dumping
- More jobs close to home to reduce need to commute *
- Manufacturing, we have skilled workers in our community
- Please don't add a Target or Walmart. It will change the feeling of Sandy.
- Homelessness support: free to veterans and on a staggered scale based on the resources people have (tiny homes + family shelters)
- Curb large housing developments (specifically in relation to Olsen/Bluff development)
- Better communication with neighbors before and during development
- Sandy needs a Trader Joes*
- McMenamins
- Community engagement center for business, outreach + activities *
- focus on youth engagement, keep our youth interested in staying in sandy vs. moving away, Small business development and mentoring
- Expense of incoming housing, entry level housing, and options for workforce housing
- Keep the small town feel and livability by encouraging large building lots where families have a yard, instead of townhouses
- We need affordable housing!

Station 8: Transportation and Infrastructure

- Better communication advertising of transit resources
- Like 362nd ext. ***
- Like wider local streets ***
- Would like more reliable nighttime service on the bus
- Dubarko, 211 improvements, hard to cross walking, want a ped bridge
- Cancel D2la
- More public transit
 - Increase service times/availability
- Enforce downtown speed limits
- Speed limit reductions on Bluff, 211, 362nd to 25 MPH
- Red light cameras, increased revenue
- Connect Kelso road to new 362nd bell project
- Sidewalk infill on 362nd near trail/bridge *
- Sidewalk crossing for tickle creek trail on Dubarko east of Melissa **
- Sidewalks on Hwy 211
- Expand Star to Boring, SE Gresham
- Bluff rd. needs truck weight limit
- Solar speed sign bluff road
 - Johnsrud – N. to city limit
- Free public parking lot downtown

- No more development until more infrastructure

APPENDIX B. Online Survey Submissions

An online survey was live from September 28th to October 24th as an additional mechanism for feedback. The online survey received 10 responses.

1. Is the Envision Sandy 2050 Vision Statement on the right track?

- It's on track! (3)
- It needs a little bit of work. (5)
- It needs a lot of work. (2)

2. If it needs work, how could it be improved? Please provide specifics.

- Better control over construction and what commercial businesses bring to the community and how businesses are directed by city ordinances to matching the present attractive buildings and properties.
- Taking property by city domain to build roads on long term resident's properties doesn't seem like a caring city to some of its longtime residing citizens.
- Protecting wildlife is presently going amuck with the current construction of the new roadway from Bell /362/26. Residents nearby are already experiencing noise pollution and the deer herd has not been viewed in quite some time.
- Sandy with the coined title of City of Trees is in danger of losing that title if construction of other commercial enterprises continues to take over growing /farming lands.
- While there are very lofty sentences throughout the 2050 Vision Statement recent actions are not in line. Decisions about what can be commercially beneficial to the city coffers will destroy the very reason why residents choose to live and visit here.
- The city of Sandy for the locals is fine. however terrorists or people like me who goes to sandy for welches (mt hood express) or boring bigfoot museum thru sandy (Jonsrud Viewpoint). since boring Oregon leave trimet at 2013 like sandy did at 1999. all i ask is improve walking conditions on Jonsrud Viewpoint and Salmon Creek Park. as they are somewhat unsafe walking conditions.
- Growth needs to be stunted. As well as modernization
- I know the city tries to plan for growth and it's actually a daunting task that's not easy to do. I hope you are flexible and can revise things as needed if you see where adjustments will make things better
- Shut down ALL housing/building.
- Transportation
- It is important that planners are cognizant of families who have century long farms that they want to continue to pass down to future generations, rather than have their land decimated by the city to make it larger and not fairly compensate them

3. What are your ideas and priorities to help achieve the vision for Community and Culture?

- Actively seek out commercial enterprises and non-profit organizations that will support the vision and add to the beauty, culture and civic engagement. Don't just wait for them to show up.

- this i fully agree except salmon creek park pass dubarko Rd even Wippersnappers Kids' Play Place is rough doe someone who takes public transit. other than that i do agree it is quite welcoming.
- City needs to crack down on the homeless and criminals
- We need several fine dining establishments in Sandy. We need to promote Sandy differently than relying on the Mt. So many other communities on the Mt. are growing and thriving on the Mt. Like it or not, we are not on the Mt. but rather a bedroom community for Portland. Sandy needs its own identity to allow for culture to blossom within our community.
- The walkability and bike friendliness is a concern of mine. While I do feel that the balance of allowing through-traffic and walkability is very good in the downtown portion, I would love to see more foot paths surrounding the North side of highway 26 around Safeway, Mt. Hood Athletic, and the Bi-Mart parking lot. There are walking trails around the Sandy High fields which could be better, or more properly, integrated to these areas. The Fred Meyer and Sandy Cinema area is also not particularly beautiful or friendly to walk.
- I don't agree w the vision.
- We need a SMALL HOMETOWN celebration that celebrates our heritage.
- Public art is definitely NOT part of that!
- I think we need to recognize the diversity of our community and make sure that decisions that are made support all

4. What are your ideas and priorities to help achieve the vision for Governance and Growth Management?

- To really BE PROACTIVE in managing and planning growth. The biggest issue we see is loss of lands once dedicated to farming and tree and nursery production. We moved here to enjoy the small town feel and beauty in the lands around us. We chose a small footprint home to help keep that vibrant and alive. And now all around us trees are felled to construct more and more housing without city ordinances having ordinances to retain the beauty of lands that are just totally treed and protected lands NOT protected. IE a protected wildlife area was marked out just down the street from us by colored flags and labeled. Those flags disappeared once construction began, and the eventual area protected was half the size that had been flagged and labeled-management off there somehow. One of the biggest growth factors effecting living here and has been for years is the highway 26 traffic which is getting more dangerous daily- this is our main street for small town Sandy. The other day we were waiting to cross over Proctor to get away from the main highway when we were almost hit by a speeding vehicle -25 is the limit last we looked. More enforcement is needed. The ideal solution would be another highway skirting out around the city, so long overdo it is ridiculous.
- sense I live at canby, oregon. my only advisement at this time is have some sort of newsletter for people who do not leave at sandy limits. i have to talk with the locals to know what is going on inside your city. this does not happen with molalla, Wilsonville, Canby, Boring & WoodBurn Oregon. (which leave the trimet district). other than that i do like to get involve but i can't as it takes 3 hours from canby, thru public transit.
- I understand that you can't stop growth. I understand that the only way that a city can control growth if that's what you wish to call it is by planning and zoning. My biggest point is citizens that are already residents of Sandy should in no way shape or form be subsidizing any of the infrastructure for a new development going in. Now we know Sandy got far behind the eight ball on its wastewater treatment facility but we know that is being

addressed. And of course traffic with the unique layout the city has that's a very tough cookie. All we can ask is that you continue to look into it to see if you can provide residents some sort of relief from some of the days of just terrible traffic.

- We need to make developers pay their share of infrastructure upgrades and not allow further development until we are caught up and in compliance with local, state, and federal guidelines.
- Continuing to seek community feedback, like this survey, is important. Additionally, we need to welcome construction of new homes and apartments in a way that provides affordable housing. It is very difficult for young, lifetime residents like myself to afford to stay in Sandy, primarily because housing is restrictively expensive.
- Stop ALL new housing construction.
- Police is a priority and appropriate sidewalk system connecting trubel communities to downtown sandy instead of walking on side of road (211)
- Schools need to be a priority for growth as well. To be desirable families will want to move here with beautiful buildings for students to go (like the high school)

5. What are your ideas and priorities to help achieve the vision for Parks, Trails, and Natural Resources?

- Refer above about protecting wildlife habitats. Every time a forested area is destroyed by construction a whole ecosystem is affected. There are global solutions that we experienced lately. If a tree is there it stays! If you take it out you replace it with exactly what was there. If you don't then there are fines. Agricultural lands are fully protected. You build around: one place had graceful sycamore trees next to and even inside some of the buildings! It can be done-- the owner of that property would not sell until developer legally agreed to keep the trees! B y the way the new development is a wonderfully constructed area of art, creative stores, services and restaurants that brought much income to the city all beautified with courtyards around the trees. That is preserving natural and scenic landscapes. Can we not get more inventive and keep our beauty before its all gone?
- i go to sandy oregon every week for walking. big time government camp thru mt hood express. As for in city limits. once more please improve walking conditions at Jonsrud Viewpoint. if your on a wheelchair or me does not own a car. can get dangerous at peak rush hour.
- Keep the parks safe. No tolerance policy for homeless and criminals
- The more open public space, the better, especially if population continues to grow. Having beautiful parks to picnic, play, hike and relax improve quality of life and make Sandy a destination for other nearby residents, which can also benefit local businesses.
- We need to do a better job at protecting natural sites. Specifically our shrinking wetlands. We need to maintain swaths of forested areas, and not just stands of trees. We need to protect grasslands/meadows that are within our area. Protecting natural habitats with new neighborhoods. If you are wanting to showcase our prized Meinig Memorial Park for our many community events, it needs immediate funding for major repairs to existing walkways. This will not only prevent injuries but also lawsuits against the city. It also needs to have more regular patrols of law enforcement to dissuade the illegal use of drugs, alcohol, camping, vandalism, and sex that currently takes place in the park.
- While sandy has excellent forested and outdoor areas, few new areas have been added since the Sandy Bluff housing development's park was built nearly two decades ago. Expanding the Tickle Creek trail or Sandy High School's trails would be a good start, but

Northeast Sandy particularly could use a new, large outdoor area. Walking paths and trails connecting outer developments in the city would be very welcome.

- "We don't need anymore parks or trails.
- They only promote drug use & criminal activity.
- IE: Meinig park & Tickle Creek trail."
- What we have presently is sufficient.
- I think keeping our parks a priority is an important priority,

6. What are your ideas and priorities to help achieve the vision for Natural Hazards and Resiliency?

- Forestry management
- New parks and forested areas can provide protection for wildlife.
- Keep the government out of forest management & let the natural, renewable resources industries take care of it.
- What is in place is sufficient
- I like this vision

7. What are your ideas and priorities to help achieve the vision for Housing and Economy?

- Plan better about acceptable development and conserve every bit of nature we can by having more environmentally friendly requirements for developers. Perhaps seek out "Green developers" and encourage them in Sandy.
- Stop building new housing
- Maybe with the new Bell Street extension with some of that commercial property may bring some light industrial stuff to town similar to the industrial area of Canby that brought in some very decent paying jobs to the area. I would tout the easy access to 26 and try to entice maybe some small light manufacturing or something to Sandy.
- Continuing to require new housing to look attractive, to be safe and well built, and to provide access streets as needed will help Sandy to grow in a manner that pleases both new and long time residents. New public parks in New developments enrich the city for all.
- Sandy for too long has relied on Mt. Hood. for tourism. The reality is, though we are closer to the Mt. than Portland, there are many thriving communities on the Mt. that are only growing. Sandy needs to get it's own identity for tourism.
- Houses are almost entirely out of the question for millennials, with starting costs of \$375,000. The absolute cheapest housing options are Foothills Apartment Living and Sandypace Apartment Homes, with one bedroom apartments that cost around \$1,600 - if I were a Sandy High graduate, I wouldn't feel that I could afford to stay in town. At nearly 30 years old with a college education, military service, and a family, I don't feel that there are any options that allow somebody like me to stay in Sandy without relying on my family to provide housing.
- STOP ALL NEW HOUSING CONSTRUCTION!
- New housing has ruined our little town over the last 30 years.
- We do not have many businesses - we need more.
- I would think that less planning should be on building apartments and row house and focus on single family homes with some larger lots. What clientele do you want to attract?

8. What are your ideas and priorities to help achieve the vision for Transportation and Infrastructure?

- Refer above to the need for alternative Hwy 26, so our main streets can become safer and less congestion. Unfortunately, reducing Sandy's citizens private vehicle use will in no way solve the long term problem of HWY 26's impact on our City and main streets. It is getting harder to spend time on the city streets with cars barreling through. The passing through travelers have little interest in letting people move safely and we shouldn't be surprised that lives may be lost due to non-residents driving through. Investigating more "green" infrastructure methods would be the best way to preserve safety in Sandy.
- This is fully agree except at Hwy 26 & 362nd (Forestry Center). at night they has been times (SAM). just does not stop due to bus driver cannot see me. they has been times that the bus will notice me last minute, but i have to run 55 seconds. i am a hiker. and have flashlights like Hausbell Led Flashlight which is has 5 levels of brightness.
- No need for alternatives to private automobile use, unless you're crafting horse riding trails. No to public transit
- Please please please continue working with the state to see about a bypass. But by the same it's unfortunate that the city did not do this years ago. because now the bypass is gonna have to go more likely farther south of town and actually be using land that currently is outside the city limits. Some of that land still may be in possession in the families of some of the early settlers of Sandy. Overall it's a tough decision but I hope a solution can be made. A bypass would change this area immensely but I'm not sure if that's good or bad. Sometimes we have to be careful what we wish for. The town has been good on investing in quite a few infrastructure things. I wish the city could magically come up with enough money to fix some of the things that really need to be done. And on a final note that I wish all the city people that make decisions and plan, I hope you guys are aware that a lot of decisions that are made within the city limits of Sandy many times do affect the surrounding areas outside the city.
- Routing Hwy 26 traffic away from the city view would allow Sandy to have a charming core (like old Troutdale and Historic Gresham). Sandy can maintain an identity as The Gateway to Mount Hood without allowing thousands of travelers to drive through our "living room" (as is currently the case).
- Sandy's livability depends on tiring the ever increasing through traffic away from the historic view area."
- Relocate Hwy 26 to around town, reserving the existing road for "in town" and local use. Connect neighborhood roads that run through town allowing for easy travel from one end to the other.
- SandyNet is an incredible service and it is something that our city should be incredibly proud of. It has been praised for high speed and low cost by local and national news sources. The infrastructure should be protected, preserved, and grown to serve as many residents and outlying areas as possible.
- Sandy/Hwy 26 bypass.
- Add extra 1 extra lane each way on hwy 26 from Gresham to Govy.
- We need a bypass or at least more efficient entrance/exit at firwood/26 and trubel/211.
- This one makes me very nervous. The current road systems are terrible, but options are limited to improve this issue without causing those with property to have to sell for the sake of transportation



Envision Sandy 2050
DRAFT VISION STATEMENT
September 13, 2022



Community and Culture

In 2050, Sandy retains its small-town feel through a celebration of community and place. Downtown Sandy is a clean, walkable, and vibrant place to dine, shop, and gather. The beautification of downtown showcases public art, honors Sandy’s history, and celebrates its location as “The Gateway to Mt. Hood.” Public amenities and facilities provide places to play, grow, and learn for residents of all ages. Sandy supports events like the Sandy Mountain Festival that bring people together and promote a spirit of inclusivity. Non-profit and volunteer organizations offer meaningful services to the community and provide opportunities for civic engagement.



Governance and Growth Management

In 2050, Sandy is proactive in managing and planning for growth. Sandy is an innovative community that addresses change through thoughtful planning and effective governance. Growth and development are guided by community values, fiscal responsibility, and strategic investments in services and infrastructure. Premier fire, police and emergency response services ensure safety for residents. Regulatory tools and practices are consistently updated to address new issues, and new development contributes to the expansion of public utilities. Leadership and residents engage with one another in decision-making processes so new opportunities benefit the community while preserving Sandy’s small-town feel.



Parks, Trails and Natural Resources

In 2050, Sandy’s natural and scenic landscape is an extension of the community. Clean rivers, healthy trees, and wildlife habitats are carefully conserved to promote biodiversity. Forested areas within the City are protected as parks, trails and natural open space. Sandy preserves the unique character and charm of beloved assets like Meinig Memorial Park, the Tickle Creek Trail, and Jonsrud Viewpoint. The City continues to develop recreation programs and a diverse and accessible park and trail system that is clean, safe, and functional, serving the needs of residents.



Natural Hazards and Resiliency

In 2050, Sandy is resilient in the face of natural hazards. As stewards of clean air, water, and land resources for future generations, Sandy guides the design of the built environment to protect, enhance, and be integrated with natural systems. The threat of wildfire is mitigated through emergency preparedness, education, and proactive planning. Sandy collaborates with local agencies, including Fire Districts, Clackamas County, and regional partners to plan for actions that can lessen the impact of natural hazards, ensuring the City and its partners have long-term strategies for protecting the community.

Housing and Economy



In 2050, Sandy is home to desirable neighborhoods and a strong workforce. Thriving commercial and industrial districts provide balanced employment opportunities at all levels. A variety of businesses meet the daily needs of residents and contribute to Sandy's sense of place. A strong tourism industry provides opportunities for businesses and supports the local economy. Sandy's workers have access to a variety of housing choices that allow residents to move in, move up or age in place, ensuring families can live, work, and thrive in Sandy across multiple generations. Balanced housing choices contribute to safe, walkable, family-friendly neighborhoods that connect residents to nearby parks, trails, businesses and key destinations.

Transportation and Infrastructure



In 2050, Sandy boasts modern and reliable public facilities and services that support carefully planned growth. The City invests in infrastructure that provides clean drinking water, treats wastewater while protecting our watersheds, and mitigates the effects of stormwater runoff. The expansion, operation, and maintenance of public services is supported through sustainable and balanced funding sources. SandyNet continues to provide reliable and fast internet service to the City's residents. Sandy's transportation system prioritizes safety, connectivity, and accessibility, with an emphasis on local street connections to reduce reliance on arterial roads such as Highways 26 and 211 for local trips. Safe, efficient, high-quality transit service, as well as a network of sidewalks and bike facilities, provides an alternative to private automobile use, supporting efficient use of roadways and reducing air pollution and energy use.



ENVISION SANDY 2050

*Sandy City Council
Project Briefing #3
November 7th, 2022*





Quick Refresher on
Envision Sandy 2050
Process and Schedule

Vision and Comprehensive Plan Process

Background Reports

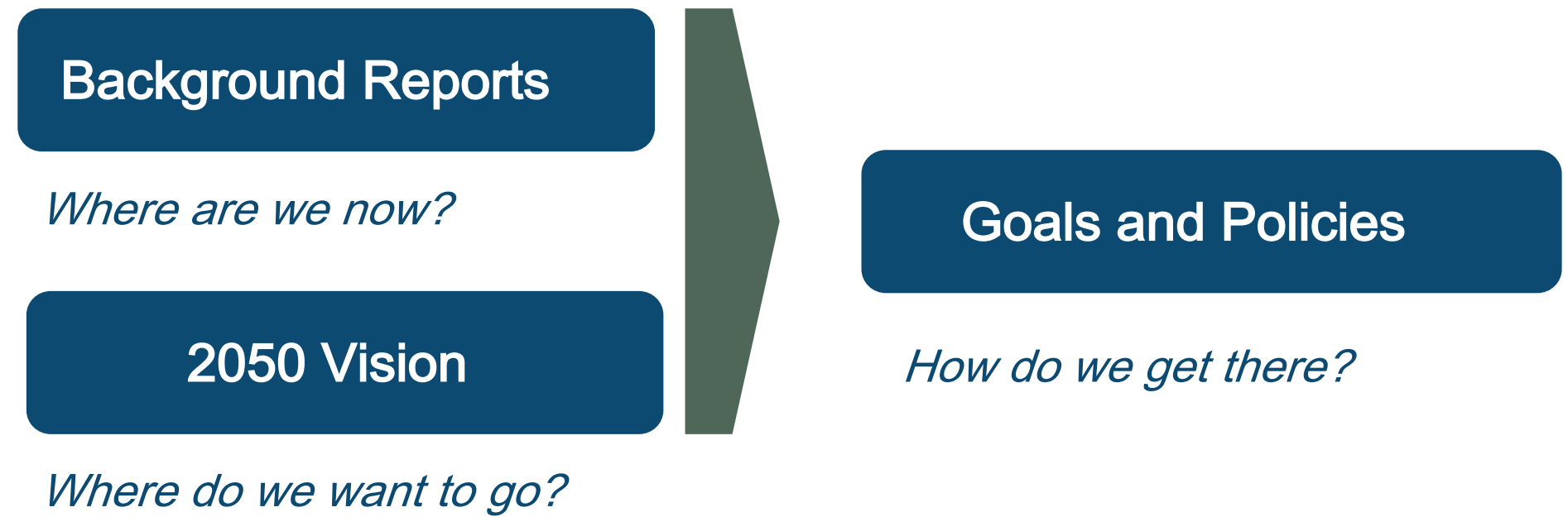
Where are we now?

2050 Vision

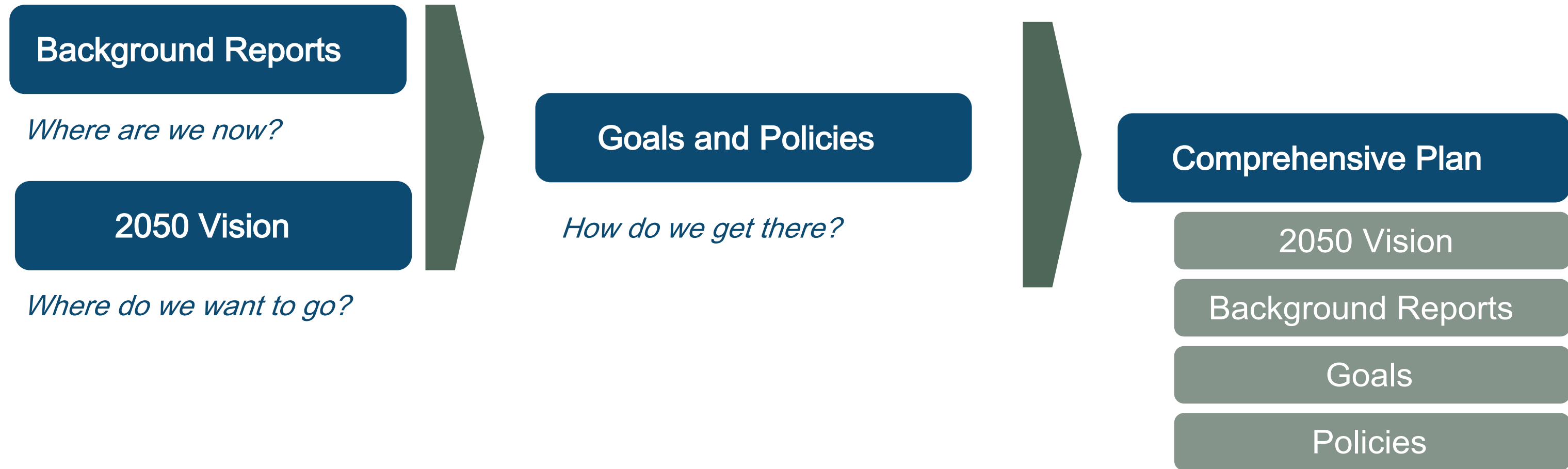
Where do we want to go?



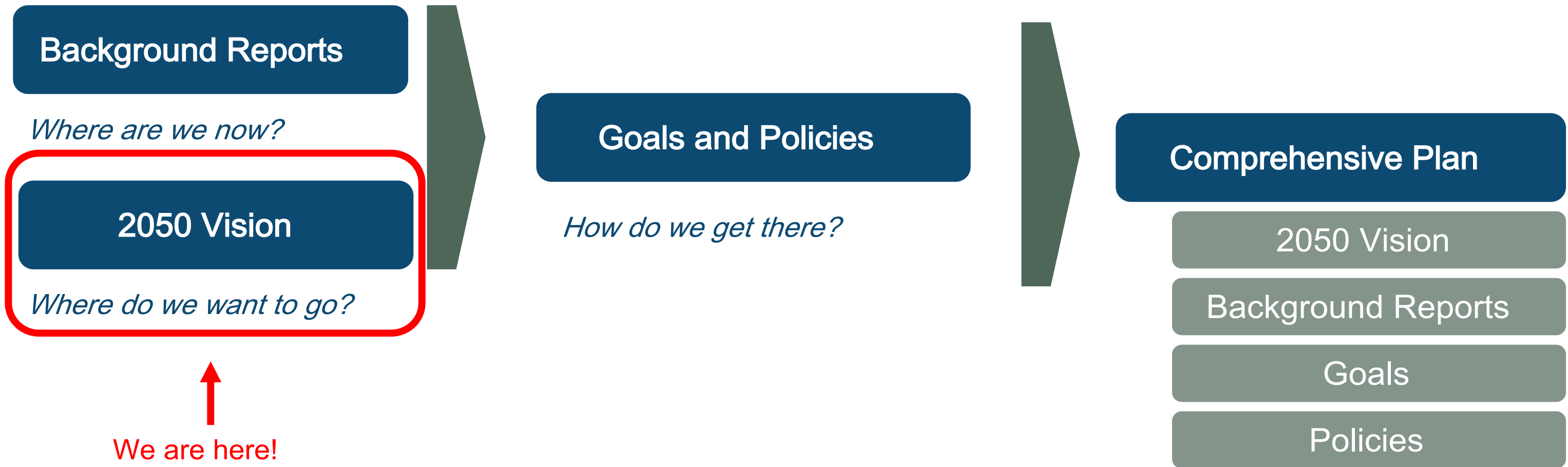
Vision and Comprehensive Plan Process



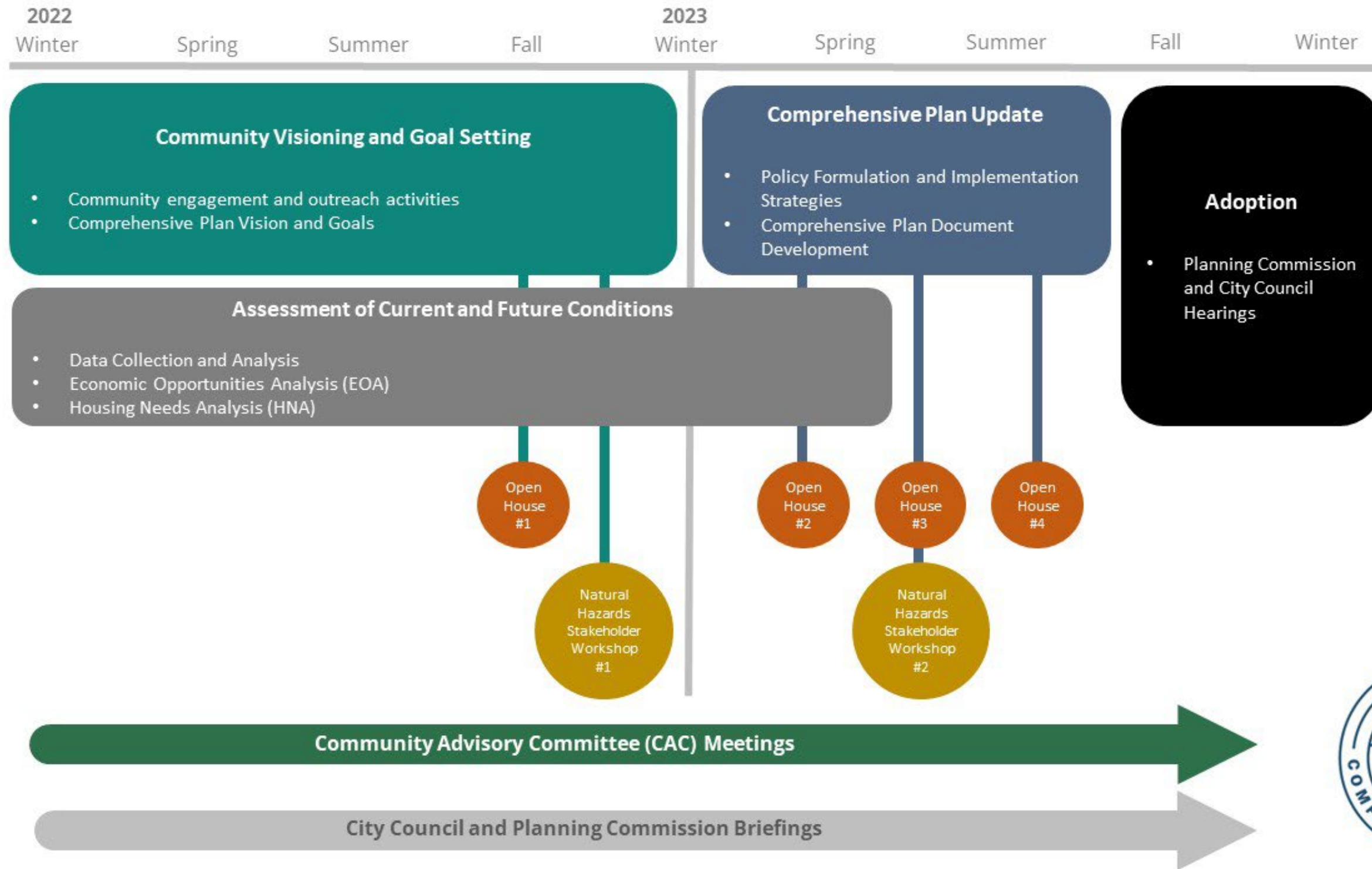
Vision and Comprehensive Plan Process



Vision and Comprehensive Plan Process



Project Schedule



Outreach and Engagement Recap

Engagement Overview

1

Community Events

2

Community Conversations

3

Online Survey



Where did we go?

1

Sandy High
School

2

Longest Day
Parkway Event

3

Farmer's
Markets

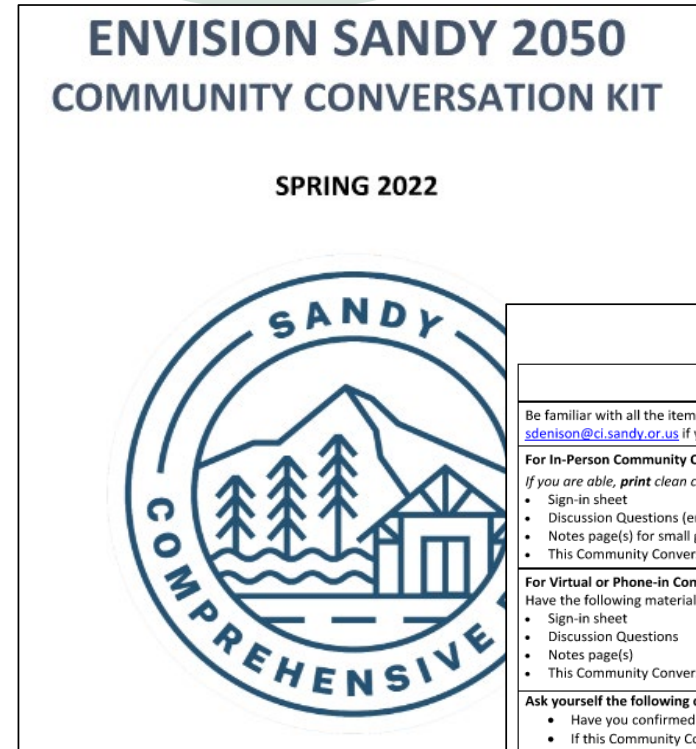
4

Sandy
Mountain
Festival





Community Conversations



PREPARATION CHECKLIST	
Before the Event	(N)
Be familiar with all the items in this guide. Contact Shelley Denison 503-783-2587, sdenison@ci.sandy.or.us if you have any questions.	
For In-Person Community Conversations If you are able, print clean copies of materials, including:	
<ul style="list-style-type: none"> • Sign-in sheet • Discussion Questions (enough copies to share with participants) • Notes page(s) for small groups • This Community Conversations Kit as your quick reference guide 	
For Virtual or Phone-in Community Conversations Have the following materials handy (paper copies or on a computer) for notetaking:	
<ul style="list-style-type: none"> • Sign-in sheet • Discussion Questions • Notes page(s) • This Community Conversations Kit as your quick reference guide 	
Ask yourself the following questions:	
<ul style="list-style-type: none"> • Have you confirmed the meeting location or video conference information? • If this Community Conversation in part of another meeting, have you confirmed a place on the agenda? How long do you have? • Do you have enough materials to share with expected participants? • Do you have enough materials for all expected participants? 	
After Event	(N)
Within one week, please email or scan the sign in sheet and your notes directly to Shelley Denison (sdenison@ci.sandy.or.us)	
[OR]	
Enter into the online survey form. For the online survey form:	
<ul style="list-style-type: none"> • When prompted at the end of the survey, enter your name, email and the name of your group into the <i>Community Conversation</i> prompt. • Please send additional email addresses for the project mailing list to Shelley Denison. 	



We were invited by Ant Farm to join a *Nuevo Futuro* educational event at Vista on June 9th. We used the opportunity to interview residents about Sandy's future, and do coverage of the event and its Public Service Announcement.



Themes so far from Spanish Speakers:

Why Sandy: Quiet, calm, clean, pretty, close to work.

What's Special: Friendly, community feel, little crime and violence, feels united.

Changes or Improvements: More parks & basketball courts, more transportation options, more police & security, address the homeless that have recently been arriving, better roads, more activities/amenities for families, a community pool, more signs in Spanish, more Spanish library books.

Spanish-language outreach



Draft Sandy 2050 Vision Statement

Community and Culture



In 2050, Sandy retains its small-town feel through a celebration of community and place. Downtown Sandy is a clean, walkable, and vibrant place to dine, shop, and gather. The beautification of downtown showcases public art, honors Sandy’s history, and celebrates its location as “The Gateway to Mt. Hood.” Public amenities and facilities provide places to play, grow, and learn for residents of all ages. Sandy supports events like the Sandy Mountain Festival that bring people together and promote a spirit of inclusivity. Non-profit and volunteer organizations offer meaningful services to the community and provide opportunities for civic engagement.

Governance and Growth Management



In 2050, Sandy is proactive in managing and planning for growth.

Sandy is an innovative community that addresses change through thoughtful planning and effective governance. Growth and development are guided by community values, fiscal responsibility, and strategic investments in services and infrastructure. Premier fire, police and emergency response services ensure safety for residents. Regulatory tools and practices are consistently updated to address new issues, and new development contributes to the expansion of public utilities. Leadership and residents engage with one another in decision-making processes so new opportunities benefit the community while preserving Sandy's small-town feel.



Parks, Trails and Natural Resources



In 2050, Sandy's natural and scenic landscape is an extension of the community. Clean rivers, healthy trees, and wildlife habitats are carefully conserved to promote biodiversity. Forested areas within the City are protected as parks, trails and natural open space. Sandy preserves the unique character and charm of beloved assets like Meinig Memorial Park, the Tickle Creek Trail, and Jonsrud Viewpoint. The City continues to develop recreation programs and a diverse and accessible park and trail system that is clean, safe, and functional, serving the needs of residents.



Natural Hazards and Resiliency



In 2050, Sandy is resilient in the face of natural hazards. As stewards of clean air, water, and land resources for future generations, Sandy guides the design of the built environment to protect, enhance, and be integrated with natural systems. The threat of wildfire is mitigated through emergency preparedness, education, and proactive planning. Sandy collaborates with local agencies, including Fire Districts, Clackamas County, and regional partners to plan for actions that can lessen the impact of natural hazards, ensuring the City and its partners have long-term strategies for protecting the community.

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Thriving commercial and industrial districts provide balanced employment opportunities at all levels. A variety of businesses meet the daily needs of residents and contribute to Sandy's sense of place. A strong tourism industry provides opportunities for businesses and supports the local economy.

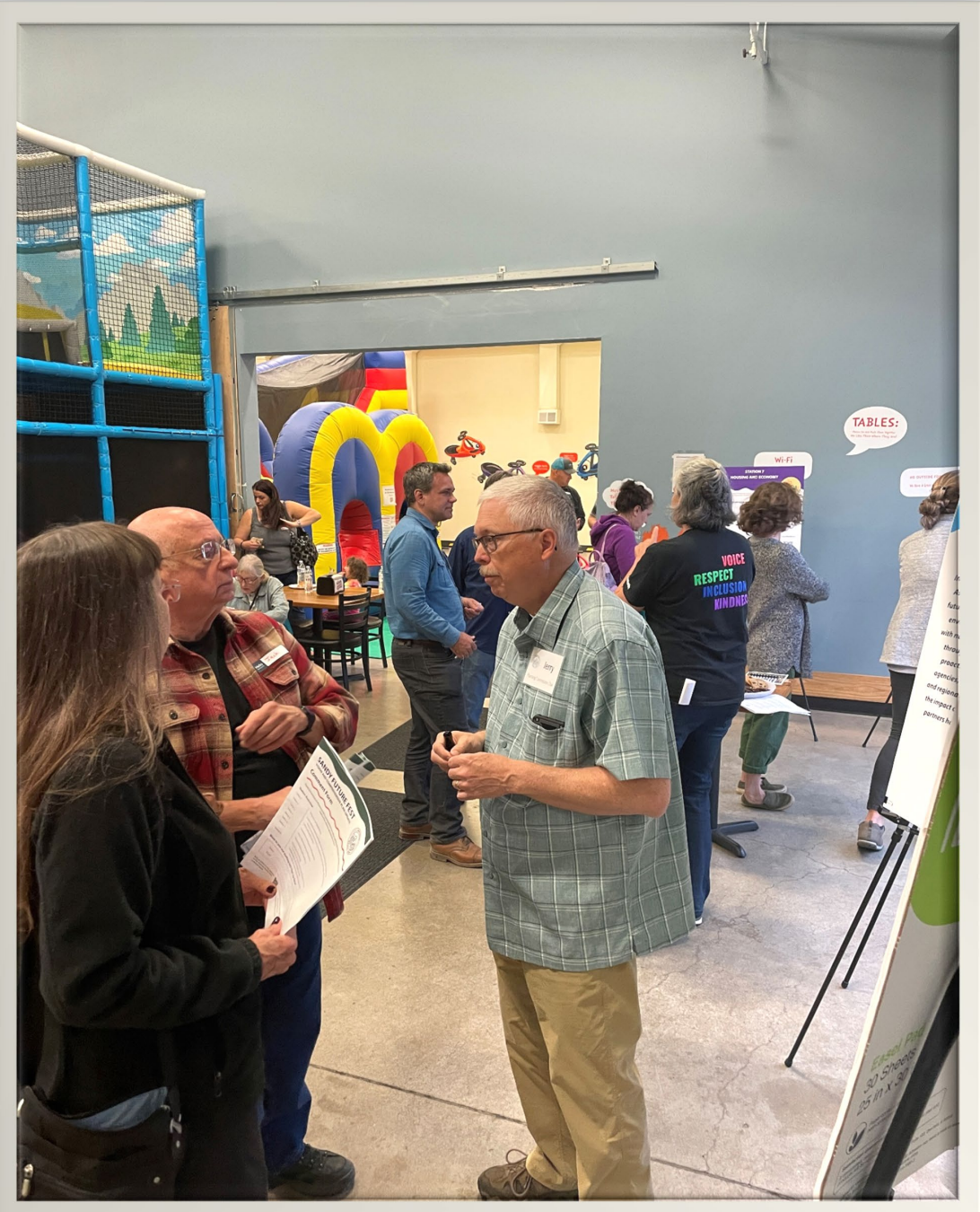
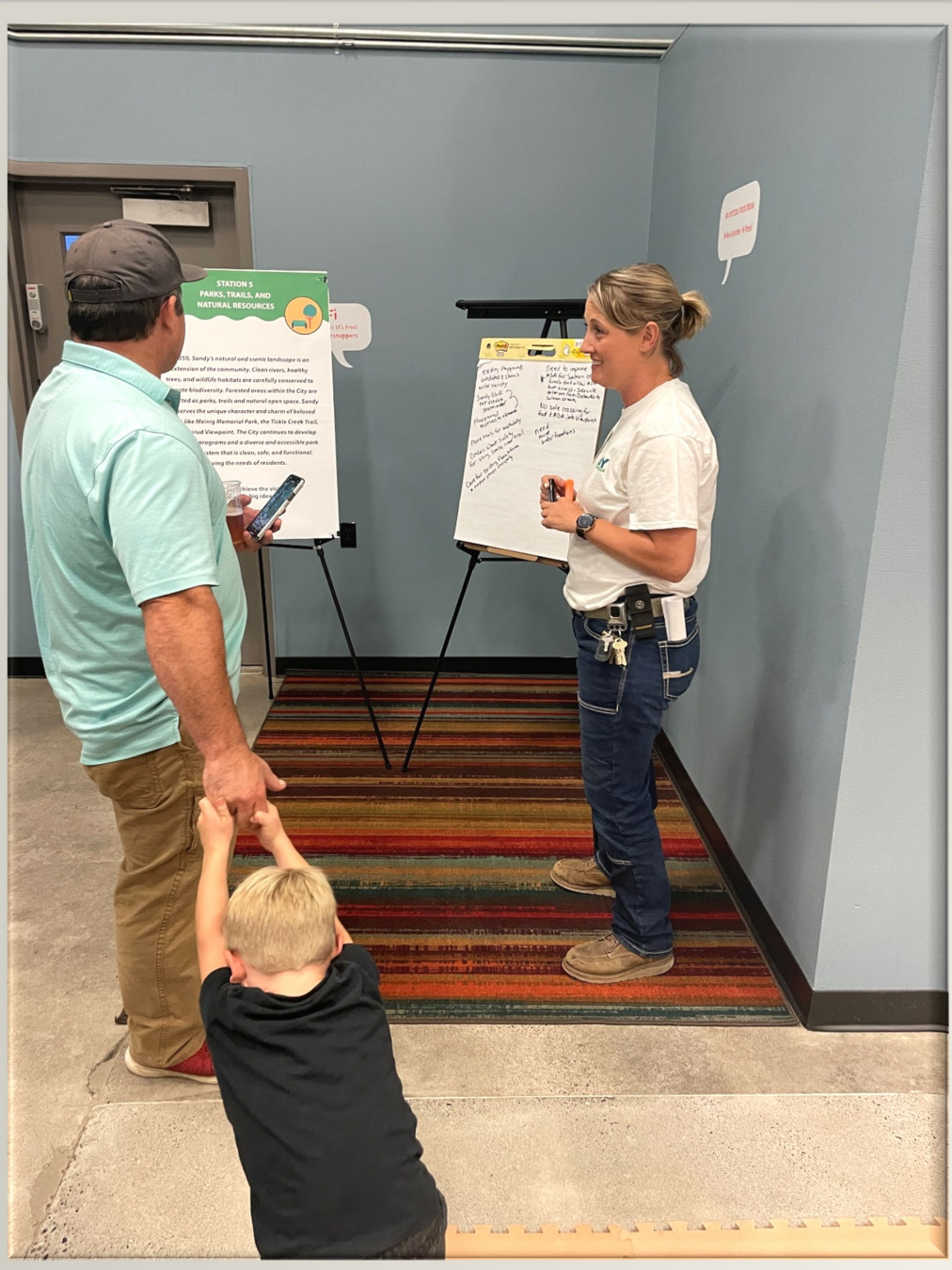
Sandy's workers have access to a variety of housing choices that allow residents to move in, move up or age in place, ensuring families can live, work, and thrive in Sandy across multiple generations. Balanced housing choices contribute to safe, walkable, family-friendly neighborhoods that connect residents to nearby parks, trails, businesses and key destinations.



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Future Fest Recap





“Big Ideas”



Community and Culture

- Community Center
- Events/activities for kids and seniors
- Enhance downtown

Governance and Growth Management

- Responsible growth
- Maintain and update current facilities
- Developer responsibility

Housing and Economy

- Small business spaces
- More jobs close to home
- Affordable, safe, and spacious housing

Transportation and Infrastructure

- Wider local streets
- Expand sidewalk network and crossings
- Speed limit reductions and enforcement

Natural Hazards

- Event strategies
- Communication system
- Prevention incentives, ideas, and code enforcement

Parks, Trails, and Natural Resources

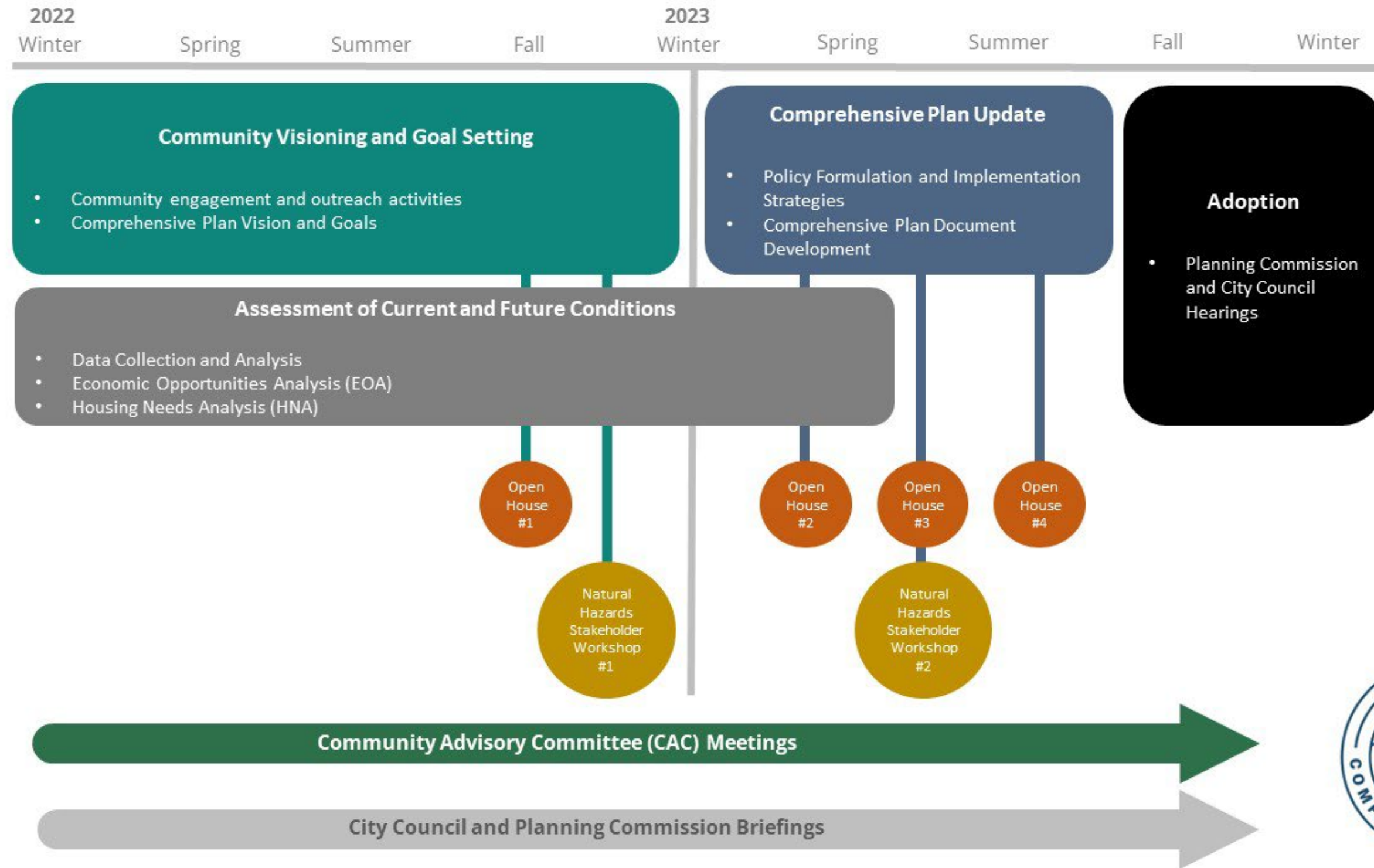
- Improve pedestrian and ADA safety
- Weatherized playgrounds and parks
- Continue to improve connectivity of trails and paths



What's Next?

- Develop goal statements
- CAC Meeting: November 30th
- Natural Hazards Workshop: Early December
- Policy development for each theme: starting January 2023!

Project Schedule



Any questions?

Thank You!



Staff Report

Meeting Date: November 7, 2022
From Kelly O'Neill Jr., Development Services Director
SUBJECT: Transportation System Plan Update

DECISION TO BE MADE:

City Council and Planning Commission input on prioritizing transportation projects, policies, and programs; and determining how to allocate future funds for vehicular, transit, pedestrian, and bicycle improvements.

PURPOSE / OBJECTIVE:

The project team for the TSP Update which is comprised of DKS, ODOT, and City staff are at a decision point in the TSP project. Based on input received from the City Council at a [work session](#) on December 13, 2021, input from two public surveys, Future Fest input, and staff input, the project team has identified priority projects over the next 20 years. These priority projects, also known as "**Financially Constrained Projects**," are defined as projects that are anticipated to be funded and constructed within the planning horizon (over the next 20 years). This project list will help fulfill future needs within the Sandy urban growth boundary while being mindful of estimated available funding.

DKS will present a draft TSP Financially Constrained Project List (Exhibit A), as well as recent input from the community at Future Fest and through an online survey on transportation system priorities to guide the decision process (Exhibit B). Unfortunately, but not unexpectedly, the estimated costs for the aspirational projects (Exhibit C) are far greater than estimated available funding.

BACKGROUND / CONTEXT:

The City of Sandy is updating the TSP to determine which projects, policies, and programs are important to protecting and enhancing the quality of life and that may receive funding over the next 20 years.

What will the Sandy TSP Update do?

- Review community, business, visitor, and stakeholder input to identify and prioritize future transportation projects and investments.
- Provide a strategic investment plan that enhances safety, access, and economic opportunities for the community.
- Align and implement strategies within the City of Sandy Transit Master Plan, City of Sandy Parks and Trails Master Plan and other local plans.

- Consider issues such as increased traffic volumes on US 26, citywide pedestrian and bicyclist activity, opportunities for enhanced connectivity and funding opportunities.
- With community input, identify strategies to improve mobility throughout Sandy, considering bike and pedestrian needs, connectivity, increased traffic volumes, funding opportunities, street design, development conditions, and user preferences.

NEXT STEPS:

The draft Financially Constrained Project List will be incorporated into a Draft TSP document for further review. The Draft TSP will be presented at a TSP Advisory Committee meeting and then to the Planning Commission and City Council at a future work session. TSP adoption hearings are planned for Spring 2023.

The City of Sandy also recently signed a contract with DKS and the FCS Group to reevaluate our Transportation System Development Charges (SDCs) in anticipation of needed increases to fund priority projects.

RECOMMENDATION:

1. Review the Financially Constrained Project List
2. Provide input on prioritizing transportation projects, policies, and programs
3. Provide input on determining how to allocate future funds for vehicular, transit, pedestrian, and bicycle improvements

LIST OF ATTACHMENTS/EXHIBITS:

- Exhibit A: Draft TSP Financially Constrained Project List
- Exhibit B: Community Input Summary
- Exhibit C: Aspirational Project Index
- Exhibit D: Presentation Slides 11-07-2022

EXHIBIT A

PLANNED AND FINANCIALLY CONSTRAINED SYSTEM

DATE: November 3, 2022

TO: Project Management Team

FROM: Reah Flisakowski, Dock Rosenthal | DKS

SUBJECT: Sandy TSP Update
Technical Memorandum #8: Planned and Financially Constrained Project #20020-001 System

This technical memorandum summarizes the financially constrained projects and their expected funding sources. Financially constrained projects are defined as projects that are anticipated to be funded and construction within the planning horizon year (2042). The funding forecast for the next 20 years is \$10.2 million. The financially constrained projects were selected from the larger list of future needs included in Technical Memorandum #7: Solutions (December 2021). Twenty-four projects are included in the financially constrained list with three projects already under construction (D3, D14A, and D15A), one project funded (C23), and one project partially funded (D24). A map of the financially constrained projects is shown in Figure 1.

Projects that are not selected for the financially constrained list were included in the "Aspirational" list, which contains the remaining projects (included in the Appendix). An aspirational project may still be funded within the planning horizon year through grants, development fees, or other sources that provide additional revenue beyond the transportation funding forecast.

FINANCIALLY CONSTRAINED SYSTEM

The list below describes each of the financially constrained projects, separated by project type. The project description includes TSP project number, location, planning level cost estimate and potential funding source.

PEDESTRIAN IMPROVEMENTS (1 PROJECT)

- **P1 362nd Drive:** This project constructs sidewalk to fill in existing gaps along 362nd Drive from Chinook Street to Industrial Way. By filling in sidewalk gaps along 362nd Drive this project improves the low-stress pedestrian network and access to the shopping center at 362nd Drive and US 26.
 - The \$1,500,000 cost is expected to be primarily funded by developers as undeveloped parcels adjacent to 362nd are developed, any remaining funds would come from System Development Charges (SDC).



CROSSING IMPROVEMENTS (12 PROJECTS)

- **C5 CRMS - Bluff Road at Marcy:** This project improves the intersection crossing by constructing a Rectangular Rapid Flashing Beacon (RRFB) with School Crossing Assembly, and high visibility crosswalks across the north and east sides of the intersection.
 - The \$125,000 cost is expected to be primarily funded through though the road fund and urban renewal funds. Additional funding is expected to be available through a Safe Routes to School grant.
- **C6 CRMS - Bluff Road at Hood:** This project improves the intersection by modernizing the crossing, particularly with curb extensions.
 - The \$125,000 cost is expected to be primarily funded through though the road fund and urban renewal funds. Additional funding is expected to be available through a Safe Routes to School grant.
- **C7 CRMS - Bluff Road at US 26:** This project improves the intersection modernizing the crossing reducing the curb radius at all corners, adding pedestrian-scale lighting and improvement of the bicycle network by providing buffered bike lanes along Highway 26 or construction a fully grade-separated bicycle facility. Pending coordination with ODOT, the pedestrian signal crossing time may be increased, based on a slower walking speed.
 - The \$125,000 cost, which does not assume a fully separated bike facility, is expected to be primarily funded by ODOT with additional funding expected from a Safe Routes to School grant and local funding from the road fund and urban renewal fund.
- **C8 CRMS - Hood Street at Beers Avenue:** This project improves the intersection by repainting stop bars on Beers Avenue and improving the intersection control by installing stop signs for the Hood Street approaches, creating a 4-way stop intersection.
 - The \$25,000 cost is expected to be primarily funded through though the road fund and urban renewal funds. Additional funding is expected to be available through a Safe Routes to School grant.
- **C9 CRMS - Hood Street at Scales Avenue:** This project improves the intersection by installing perpendicular curb ramps with tactile domes at the intersection of Hood St and Scales Ave and repainting stop bars.
 - The \$25,000 cost is expected to be primarily funded through though the road fund and urban renewal funds. Additional funding is expected to be available through a Safe Routes to School grant.
- **C10 CRMS -Hood Street at Bruns Avenue:** This project improves the intersection by installing a tactile dome at southwest corner of Bruns Ave and Hood St.
 - The \$25,000 cost is expected to be primarily funded through though the road fund and urban renewal funds. Additional funding is expected to be available through a Safe Routes to School grant.
- **C11 SGS – Hood Street at Strauss Avenue:** This project improves the intersection by:
 - Relocating the southbound school advance crossing sign and school speed limit sign north of intersection.
 - Repairing sidewalk along the east side of Strauss Avenue and mitigating the narrowing caused by a utility pole.
 - Installing a curb ramp at the southeast corner of the intersection and adding tactile domes and a stop bar on the west leg of the intersection.

- The \$350,000 cost is expected to be primarily funded through though the road fund and urban renewal funds. Additional funding is expected to be available through a Safe Routes to School grant.
- **C12 SGS – Pleasant Street at Strauss Avenue:** This project improves the intersection by marking stop bars in advance of crosswalks and potentially revising the control of the intersection to be all-way stop control.
 - The \$25,000 cost is expected to be primarily funded through though the road fund and urban renewal funds. Additional funding is expected to be available through a Safe Routes to School grant.
- **C13 SGS – Pleasant Street at Alt Avenue:** This project improves the intersection by marking stop bars in advance of crosswalks, replace existing diagonal curb ramps with perpendicular curb ramps and tactile domes, and constructing a raised intersection.
 - The \$350,000 cost is expected to be primarily funded through though the road fund and urban renewal funds. Additional funding is expected to be available through a Safe Routes to School grant.
- **C14 SGS – Smith Avenue at Pleasant Street:** This project improves the intersection by marking stop bars in advance of crosswalks, relocating the southbound school advance crossing sign and school speed limit sign north of intersection.
 - The \$25,000 cost is expected to be primarily funded through though the road fund and urban renewal funds. Additional funding is expected to be available through a Safe Routes to School grant.
- **C15 SGS – Alt Avenue at Proctor Boulevard (US 26):** This project improves the intersection by increasing the pedestrian crossing time based on a walking rate of 3.0 feet per second, upgrading the pedestrian pushbuttons to meet current standards with audible indications, and consolidating the two existing crosswalks with one high visibility continental crosswalk on the east side of the intersection including an advance stop bar, bulb outs, curb ramps, and pedestrian scale lighting.
 - The \$125,000 cost is expected to be primarily funded through an ODOT grant. Additional funding is expected from the road fund, urban renewal fund and potential grant funding.
- **C23 Highway 211 Pedestrian Improvements:** These American with Disabilities Act related ramp improvements along Highway 211 are currently funded by \$500,000 received from ODOT as part of the jurisdictional transfer of Highway 211 from ODOT to the City of Sandy.

SAFETY IMPROVEMENTS (3 PROJECTS)

- **S1 US 26 Adaptive Signal System:** This project extends the adaptive signal system from Orient Drive to Ruben Lane. An adaptive signal system improves performance and monitoring of traffic signals by providing real-time adjustments and improved data collection.
 - The \$200,000 cost is expected to be funded by ODOT.
- **S2 US 26 at Ten Eyck Road Study:** This project studies improvements or mitigations related to traffic impacts from access for business adjacent to the Ten Eyck Road and US 26 intersection.
 - The \$50,000 cost is expected to be funded by ODOT.
- **S3 US 26 Speed Zone Study:** This project studies speeds east of Ten Eyck Road/Wolf Drive along US 26 for consideration of a potential reduction. It should be coordinated with C17 (Dubarko pedestrian crossing improvements) and D20 (Dubarko Road extension) to consider if an intersection control modification is necessary.
 - The \$75,000 cost is expected to be primarily funded by ODOT.

DRIVING IMPROVEMENTS (8 PROJECTS)

- **D3** *US 26 & 362nd Drive Intersection Improvement:* This project is expected to reduce congestion for the westbound left turn and accommodate the 362nd Drive Extension 1 (D15A). The project includes minor widening on the south leg to accommodate a northbound through lane, construction of a three-lane southbound approach with a right turn lane, through lane, and left turn lane, and an eastbound left turn lane.
 - This project is currently funded with local funds without an additional westbound left turning movement. The additional westbound left turn lane is dependent on the 362nd Drive and Industrial Way improvements (D1) that would extend the second southbound lane from the Fred Meyer driveway to the Industrial Way intersection. The second westbound left turn lane should be coordinated with project D1.
- **D14A** *Bell Street extension to 362nd Drive extension:* This project extends Bell Street to 362nd Drive extension (D15A) at Minor Arterial cross section standards. It improves connectivity by providing a parallel route to US 26 from 362nd Drive to Bluff Road.
 - This project is currently funded with local funds.
- **D15A** *362nd Drive extension to Bell Street extension:* This project extends 362nd Drive to Bell Street extension (D14A) at Minor Arterial cross section standards. It improves connectivity by providing a parallel route to US 26 from 362nd Drive to Bluff Road.
 - This project is currently funded with local funds.
- **D20** *Dubarko Road to US 26 opposite Vista Loop Drive (West)* This project extends Dubarko Road to US 26/Vista Loop Road (west) at Minor Arterial cross section standards. It should be coordinated with D9 (US 26 Dubarko Road intersection improvement) and C17 (US 26 Dubarko Road pedestrian crossing improvement).
 - This project is expected to be constructed by development with an expected cost of \$3,900,000.
- **D21F** *Village Blvd Extension 1:* This project connects Village Boulevard between Cascadia Village Drive and Juniper Street at Collector standards providing additional north-south connectivity for the neighborhood south of Highway 211.
 - The \$875,000 cost is expected to be funded by the city through system development charges and partially by development.
- **D24** *Highway 211 roundabout at Gunderson:* This project improves the intersection of Highway 211 at Gunderson Road by constructing a roundabout.
 - The \$1,700,000 cost is partially funded by development with the remaining amount provided by the road fund and system development charges.
- **D27** *Highway 211 & Dubarko Road Intersection Control Evaluation:* This project studies the intersection control options for Highway 211 and Dubarko road given the strain of high traffic volumes and difficult topography. The resulting solutions should improve safety and capacity.
 - The \$50,000 cost is expected to be funded through the road fund and system development charges.
- **D28** *US 26 Sandy Bypass Planning:* This project includes preparation of planning documents to evaluate alternatives and the environmental impact of a potential US 26 bypass.
 - The \$1,000,000 is expected to be funded by the city.

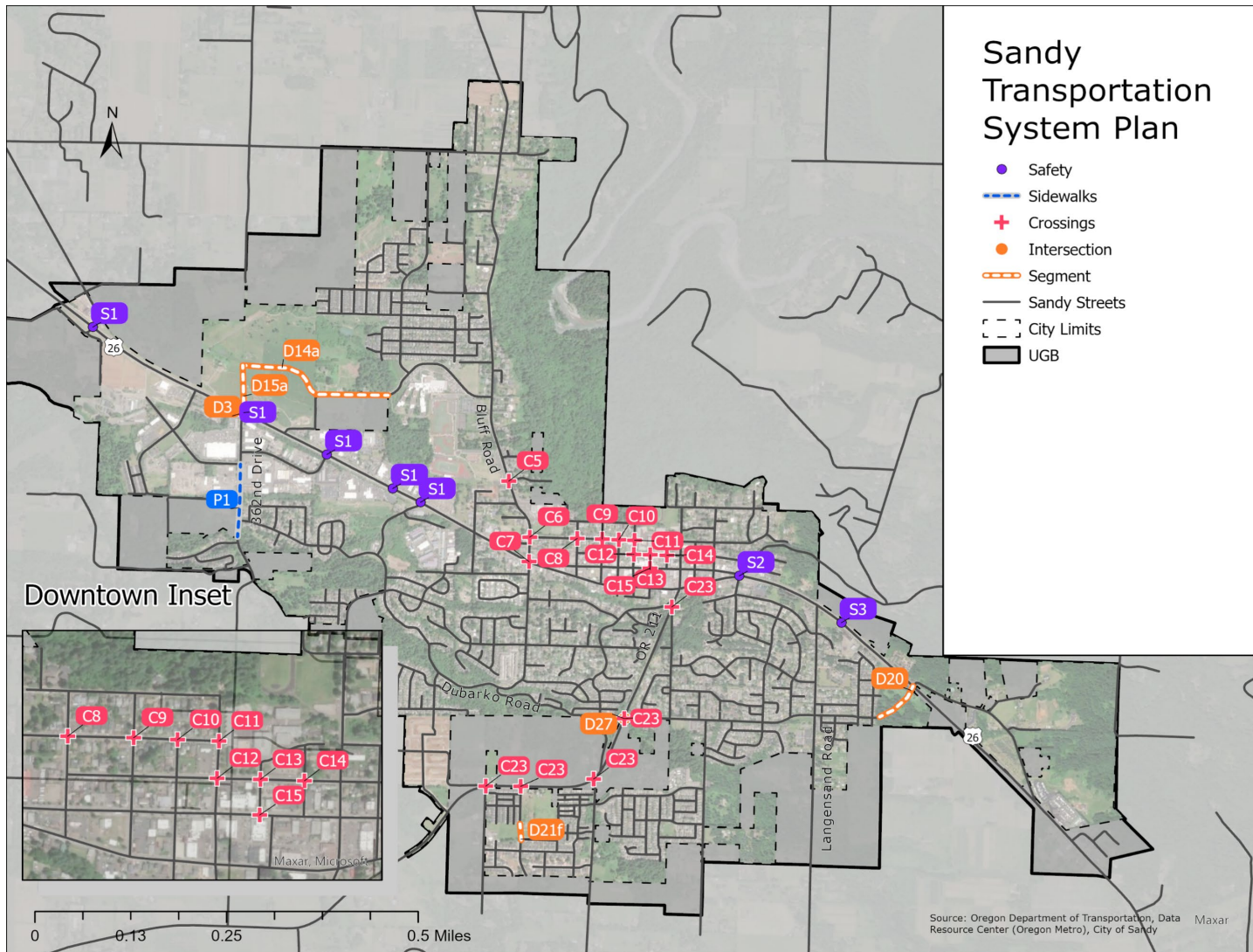


FIGURE 1: FINANCAILY CONSTRAINED SYSTEM



SANDY TRANSPORTATION SYSTEM PLAN UPDATE • TM #8: PLANNED AND FINANCIALLY CONSTRAINED SYSTEM • NOVEMBER 2022

SUMMARY

- 1 pedestrian project at a cost of \$1.5 million is expected to be primarily constructed by development with any remaining costs covered by system development charges (SDC).
- 12 crossing improvements at a cost of \$1.8 million are expected to be primarily covered by the road fund and urban renewal funds with additional funding from a one-time Safe Routes to School grant administered by ODOT.
- 3 safety improvements at a cost of \$325,000 are expected to be primarily covered by ODOT grants.
- 5 unfunded driving improvements at a cost of \$7.5 million are expected to be covered by the local road fund and system development charges along with developer contributions.
- The total cost of the improvements is approximately \$11 million.



APPENDIX

CONTENTS

SECTION 1. ASPIRATIONAL PROJECTS



720 SW WASHINGTON STREET, SUITE 500, PORTLAND, OR 97205 • 503.243.3500 • DKSASSOCIATES.COM

SHAPING A SMARTER TRANSPORTATION EXPERIENCE™

AN EMPLOYEE-OWNED COMPANY

SECTION 1. ASPIRATIONAL PROJECTS



EXHIBIT B



720 SW WASHINGTON STREET, SUITE 500, PORTLAND, OR 97205 • 503.243.3500 • DKSASSOCIATES.COM

PUBLIC OUTREACH SUMMARY

DATE: November 3, 2022

TO: Project Management Team

FROM: Reah Flisakowski and Dock Rosenthal | DKS Associates

SUBJECT: City of Sandy Transportation System Plan Update

P# 20020-013

Public involvement plays an important role in the City of Sandy's Transportation System Plan (TSP) update. A public involvement plan was developed at the beginning of the project to coordinate public outreach activities that provide community members an opportunity to weigh in on local transportation concerns and provide input on the future of transportation within their city.

Online community survey #1 was conducted in September 2021. A summary of the feedback we received was presented at the Sandy City Council – Planning Commission Work Session in December 2021.

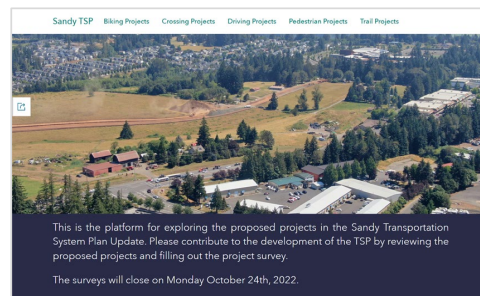
This memorandum provides a summary of recent community input received on the initial TSP project list. Online community survey #2 was conducted in October 2022. In coordination with the Sandy Comprehensive Plan Update, the TSP project team attended the in person Future Fest community meeting on September 28, 2022.

ONLINE COMMUNITY SURVEY #2

The objective of survey #2 was to present the draft TSP project list and ask for feedback on the community's priorities for future investments. The proposed projects were separated into the following categories: Biking, Trails, Pedestrian, Crossings, Intersections (Driving), and Streets (Driving).

Survey participants were asked to submit recommendations for their highest priority projects (top 3 to 5) by reviewing the draft TSP project list and maps provided on the website.

Survey participants were also asked to submit additional projects that were not included in the draft TSP project list and maps.



Results:

The survey received 22 responses on the draft TSP projects.

Top #1 priority projects:

- US 26 Bypass (Project D23) with 6 votes
- Dubarko Road/Highway 211 Crossing Improvement (Project C2) with 3 votes

Top #2 priority projects:

- Southwestern connectivity improvements (Project D21) with 4 votes
- Highway 211 minor arterial cross section improvements (Project D25) with 3 votes

Top #3 priority projects:

- US 26 Bypass (Project D23) with 5 votes

Two additional segment projects were proposed:

- Trail connection in SW Sandy that creates a loop along 362nd Avenue, Highway 211 and connects with Tickle Creek
- Traffic calming along Dubarko Road east of Highway 211

FUTURE FEST

The Future Fest community meeting, in support of the Sandy Comprehensive Plan Update, included a station to present the vision statement for Transportation and Infrastructure (shown to the right).

Community participants were asked to share their ideas to achieve the vision statement. Their feedback and ideas are summarized below.

Feedback:

- Like the 362nd Avenue extension to the north of US 26
- Like the proposed wider local street cross-section
- Would like more reliable nighttime bus service
- Highway 211 at Dubarko Road is difficult to walk across

**STATION 8
TRANSPORTATION AND
INFRASTRUCTURE**



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- Do not like Project D21a because it is near my property
- Would like more public transit with more frequent service

Ideas:

- Speed limit reductions on Bluff Road, Highway 211 and 362nd Avenue to 25 miles per hour
- Speed limit enforcement downtown
- Red light running cameras to improve safety and increase revenue
- Connect new 362nd Avenue extension and Bell Road project to Kelso Road
- Sidewalk infill on 362nd Avenue near trail and bridge
- Sidewalk crossing for Trickle Creek Trail on Dubarko Road, east of Melissa Avenue
- Add sidewalks to Highway 211
- Expand SAM transit service to Boring and southeast Gresham
- Apply a truck weight limit on Bluff Road
- Install digital speed sign on Bluff Road between Jonsrud Viewpoint and north city limits
- Add free public parking lot downtown

EXHIBIT C

TABLE 1: PEDESTRIAN SYSTEM IMPROVEMENTS

ID	PROJECT	SEGMENT	DESCRIPTION	COST	PRIORITY
P2	Bluff Rd.	Green Mountain St. to Northern UGB	Infill sidewalk gaps	\$900,000	Medium
P3	Bluff Rd	200 feet north of Marcella Ct. to Green Mountain St.	Infill sidewalk gaps	\$650,000	Medium
P4	Bluff Rd	Strawbridge Pkwy to Nettie Connett Dr.	Infill sidewalk gaps	\$650,000	Medium
P5	Bornstedt Rd.	Cascadia Village Dr to UGB	Infill sidewalk gaps	\$1,750,000	Medium
P6	Dubarko Rd.	300 feet east of Melissa Ave. to 200 feet east OR 211	Infill sidewalk gaps	\$3,950,000	Medium
P7	Dubarko Rd.	Langensand Rd. to Antler Ave.	Infill sidewalk gaps	\$50,000	High
P8	Industrial Way	362nd Dr. to US 26	Infill sidewalk gaps	\$2,200,000	Medium
P9	Jewelberry Rd.	Penny Ave. to Kelso Rd.	Infill sidewalk gaps	\$250,000	Medium
P10	Jacoby Rd.	Dubarko Rd. to southern UGB	Infill sidewalk gaps/construct sidewalk	Included in B14	Medium
P11	Langensand Rd	Dubarko Rd. to US 26	Infill sidewalk gaps	\$100,000	High
P12	Langensand Rd.	630 feet south of Dubarko Rd. to UGB	Infill sidewalk gaps	\$1,150,000	Medium
P13	Meinig Avenue	Scenic St. to US 26	Infill sidewalk gaps	\$150,000	Medium
P14	Pleasant St	Beers Ave. to Revenue Ave.	Infill sidewalk gaps	\$250,000	High
P15	Ruben Ln	US 26 to Dubarko Rd.	Infill sidewalk gaps	\$75,000	Medium

P16	Sandy Heights St	Bluff Rd. to Tupper Rd.	Infill sidewalk gaps	\$225,000	High
P17	Downtown Core Pedestrian Improvements	Sidewalk infill side streets perpendicular to US 26	Infill sidewalk gaps	\$350,000	High
P18	University Ave	Sunset St. to US 26	Construct sidewalk	\$150,000	Medium
P19	US 26	Royal Ln to 362nd Dr.	Infill sidewalk gaps	\$550,000	Medium
P20	US 26	362nd Dr. to West UGB	Infill sidewalk gaps	\$1,200,000	Medium
P22	US 26 ^A	Ten Eyck Rd. to East UGB	Infill sidewalk gaps	Included in B12	High
P23	OR 211	South UGB to US 26 – coordinate with D25	Construct sidewalk	Included in D25	Medium
P24	Sandy Heights St.	Nettie Connett Drive to Balken Ave	Construct sidewalk on northside	\$125,000	Medium
P25	Vista Loop	Full extent	Construct sidewalk	Included in B15	Medium

A. project completing the gap on the northern side of US 26 from Ten Eyck to Vista Loop (west) is currently funded.

TABLE 2: ROADWAY CROSSING IMPROVEMENTS

ID	PROJECT	DESCRIPTION	COST	PRIORITY
C1	Sandy Shopper Crossing - Evans	Evans Street Senior Apartments, traffic calming, and other crossing improvements are needed. Project may include pedestrian crossing advisory signage, curb extensions, and marked crosswalks.	\$25,000	High
C2	OR 211 Dubarko Crossing	Project may include pedestrian crossing advisory signage, curb extensions, marked crosswalks, and installation of RRFB. Coordinate with D9 and D20.	\$125,000	High
C3	Sandy Transit Center - Pioneer	Project may include pedestrian crossing advisory signage, curb extensions, and marked crosswalks.	\$125,000	Medium
C4	Sandy Transit Center - Proctor	Project may include pedestrian crossing advisory signage, curb extensions, and marked crosswalks.	\$125,000	Medium
C16	Bluff/Sandy Heights	Install marked crosswalks on all four legs with tactile domes on the ramps.	\$25,000	Medium
C17	Dubarko/US26	Install marked crosswalks on all four legs with tactile domes on the ramps, coordinate with D20, this project is not needed until the Dubarko Extension is complete.	\$25,000	Medium
C18	Scales/Proctor	Install marked crosswalks on all four legs with tactile domes on the ramps.	\$25,000	High
C19	Scales/Pioneer	Install marked crosswalks on all four legs with tactile domes on the ramps.	\$25,000	High
C20	Bruns/Proctor	Install marked crosswalks on all four legs with tactile domes on the ramps.	\$25,000	High
C21	Bruns/Pioneer	Install marked crosswalks on all four legs with tactile domes on the ramps.	\$25,000	High
C22	OR 211	Pedestrian Overcrossing for Sandy Heights Street.	\$6,000,000	Medium
C24	Green Mountain and Bluff Pedestrian Crossing	Construct curb extensions and mark crossing to Jonsrud Viewpoint	\$75,000	High

ID	PROJECT	DESCRIPTION	COST	PRIORITY
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Note: CRMS – Cedar Ridge Middle School and SGS – Sandy Grade School

TABLE 3: BICYCLE SYSTEM IMPROVEMENTS

ID	PROJECT	SEGMENT	DESCRIPTION	COST	PRIORITY
B1	362nd Dr.	Dubarko Rd. to UGB	Widen shoulder to 6 feet minimum for bike access	\$1,500,000	High
B2	Bluff Rd.*	US 26 to Miller Rd.	Re-stripe roadway to provide bike lanes	\$50,000	High
B3	Bornstedt Rd	OR 211 to UGB	Widen roadway to provide bike lanes	\$2,550,000	High
B4	Dubarko Rd.*	362nd Dr. to Eldridge Dr.	Re-stripe roadway to provide bike lanes	\$50,000	High
B5	Dubarko Rd.*	Sandy Heights St. to Melissa Ave.	Re-stripe roadway to provide bike lanes	\$50,000	High
B6	Langensand Rd.*	US 26 to UGB	Re-stripe roadway to provide bike lanes	\$75,000	High
B7	Meinig Ave*	Scenic St. to US 26	Re-stripe roadway to provide bike lanes	\$75,000	High
B8	Meinig Ave*	Barker Ct. to Dubarko Rd.	Re-stripe roadway to provide bike lanes	\$25,000	High
B9	Sandy Heights St*	Bluff Rd. To Tupper Rd.	Re-stripe roadway to provide bike lanes	\$50,000	High
B10	Tupper Rd.	Long Circle to OR 211	Widen roadway to provide bike lanes	\$3,000,000	High
B12	US 26	Ten Eyck Road to UGB	Widen to provide a six-foot bike lane and sidewalk	\$7,725,000	High
B13	Sandy Heights St	Dubarko Rd to Nettie Connett Dr	Re-stripe/widen Roadway to provide bike lanes	\$2,275,000	Medium
B14	Jacoby Rd	Dubarko Rd to southern UGB	Re-stripe/widen Roadway to provide bike lanes and construct sidewalk	\$3,925,000	Medium
B15	Vista Loop	Full extent	Re-stripe/widen Roadway to provide bike lanes and construct sidewalk	\$2,075,000	Medium

*NOTE: REQUIRES THE ELMINATION OF ON STREET PARKING

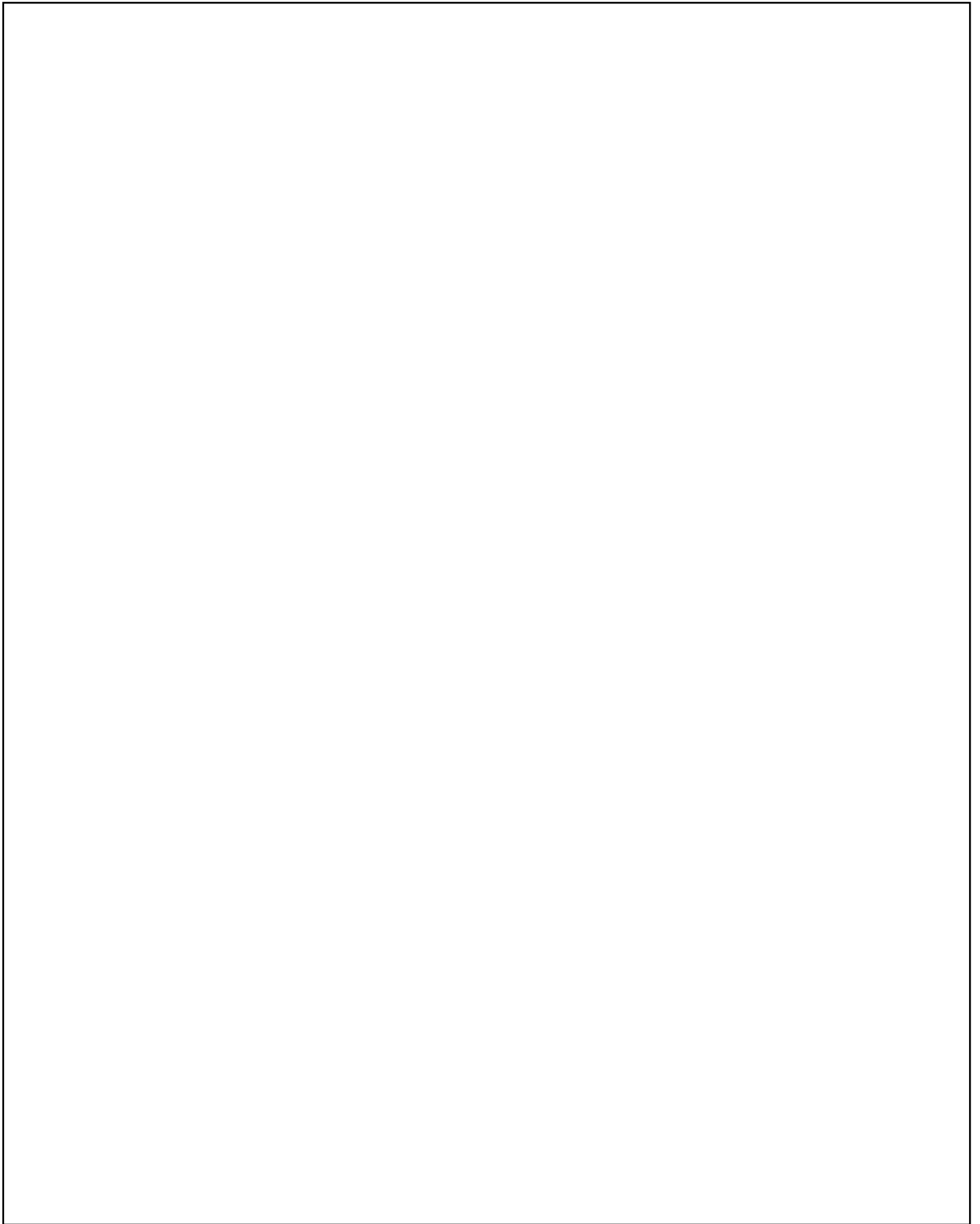


TABLE 4: PROPOSED OFF-ROAD TRAIL IMPROVEMENTS (FROM SANDY PARKS AND TRAILS MASTER PLAN)^A

ID	PROJECT	DESCRIPTION	COST	PRIORIRTY
T03	362nd	6' - 8' wide gravel trail	\$125,000	Medium
T04	Kelso to Powerline	6' - 8' wide gravel trail	\$200,000	Medium
T05	Powerline	5' concrete path	\$50,000	Medium
T06	Olson to Powerline	5' concrete path	\$100,000	Medium
T08	Sandy Bluff Park to 362nd 3	6' - 8' wide gravel trail	150,000	Medium
T09	Sandy Bluff Park Pond Loop Trail 3	6' - 8' wide gravel trail	\$50,000	Medium
T10	Bell Street to Sandy Bluff Park 3	6' - 8' wide gravel trail	\$75,000	Medium
T11	Kate Schmidt to Bell Street 3	3' wide natural surface trail	\$50,000	Medium
T12	SHS Trail Easement 1 3	3' wide natural surface trail	\$100,000	Medium
T13	Meeker to MH Athletic Club	5' concrete path	\$50,000	Medium
T17	Community Campus to Sandy River Trail	3' wide natural surface trail	\$25,000	Medium
T19	Park Street to Community Campus	3' wide natural surface trail	\$5,000	Medium
T21	Vista Loop to Hood Street	6' - 8' wide gravel trail	\$50,000	Medium
T28	Tickle Creek Reroutes 3	6' - 8' wide gravel trail	\$75,000	Medium
T30	Sunset Street to Tickle Creek	3' wide natural surface trail	\$15,000	Medium
T31	Sunset Street to Nettie Connett Drive	5' wide concrete path	100,000	Medium
T32	Bluff Road to Sandy Heights	3' wide natural surface trail	\$15,000	Medium
T33	Tupper Park to Gerilyn Court	5' concrete path	\$50,000	Medium
T35	Tickle Creek Extension East to Dubarko Underpass	6' - 8' wide gravel trail	\$75,000	Medium
T38	Tickle Creek to Deer Point Park	5' concrete path	450,000	Medium
T39	Dubarko Extension Road	8' wide asphalt trail	125,000	Medium

ID	PROJECT	DESCRIPTION	COST	PRIORIRTY
T40	Tickle Creek Extension Dubarko East to Jacoby	3 6' - 8' wide gravel trail	\$100,000	Medium
T41	Alleyway to Tickle Creek Trail Connector	5' concrete path	\$50,000	Medium
T42	Jacoby Road to Tickle Creek Connector	5' concrete path	\$50,000	Medium
T44	Bornstedt Park	5' concrete path	\$75,000	Medium
T50	Highway 211 Parkway		\$400,000	Medium
T54	Cascadia to Tickle Creek	6' - 8' wide gravel trail	\$30,000	Medium

A. The trail component of the existing Parks SDC is expected to fund these projects

TABLE 5: STREET SYSTEM IMPROVEMENTS

PROJECT ID	NAME	DESCRIPTION	COST	PRIORITY
D1	362 nd Drive & Industrial Way (south) Intersection Improvement	Reduce eastbound congestion. Project may include restriping to include an exclusive eastbound left turn lane and exclusive right turn lane.	\$140,000	Medium
D2	362 nd Drive & Dubarko Road Intersection Improvement	Reduce intersection congestion. Project may construct a traffic signal or roundabout.	\$1,425,000	Medium
D4	US 26 & Industrial Way Intersection Improvement	Improve egress from commercial area and reduce northbound congestion. Project may include minor widening to accommodate a northbound left turn lane and restriping on the southbound approach to dual left turn lanes and a shared through/right turn lane.	\$950,000	Low
D5	US 26 & Ruben Lane Intersection Improvement	Improve egress from commercial area and reduce northbound congestion. Project may include restriping southbound approach to dual left turns and a shared through/right lane and restriping the northbound approach to a left turn lane and shared through/right lane.	\$950,000	Medium
D6	OR 211 & Proctor Boulevard Intersection Improvement	Reduce northbound congestion. Project may include restriping northbound approach to include an exclusive left turn lane and through/right lane.	\$15,000	Low
D8	US 26 & Ten Eyck Road/Wolf Drive Intersection Improvement	Improve northbound and southbound approaches. Project may include striping left turn lanes on both minor street approaches.	\$1,500,000	Low
D9	OR 211 & Dubarko Road Intersection Improvement	Reduce intersection congestion and improve safety. Project may include constructing a turn signal or roundabout. A traffic signal improvement may include minor widening for a northbound right turn	\$12,400,000	Medium

PROJECT ID	NAME	DESCRIPTION	COST	PRIORITY
		lane, northbound left turn lane, and southbound left turn lane. Coordinate with C2 and D20.		
D11	OR 211 & Arletha Court Intersection Improvement	Reduce northbound congestion. Project may include signage and approach modifications to prohibit left turns from the minor street approach.	\$3,150,000	Low
D12	Industrial Way Extension 1	Extend Industrial Way to Jarl Road/US 26 at Collector standards	\$13,175,000	Low
D13	Dubarko Road Extension	Extend Dubarko Road to Champion Way at Collector standards	\$7,450,000	Low
D14B	Bell Street Extension 2	Extend Bell Street from 362ND Drive Extension 1 to Orient Drive at Minor Arterial standards	\$9,900,000	Low
D15B	362nd Drive Extension 2	Extend 362nd Drive from Bell Street Extension 1 to Kelso Road at Minor Arterial standards	\$14,000,000	Low
D16	Kate Schmidt Street Extension	Extend Kate Schmidt Street to Bell Street Extension 1 at Collector standards	\$9,000,000	Medium
D17	Industrial Way Extension 2	Extend Industrial Way to Bell Street Extension 1 at Collector standards	\$4,675,000	Medium
D18	Olson Road Extension	Extend Olson Road to 362nd Drive Extension 2 at Collector standards	\$5,250,000	Low
D19	Agnes Street Extension	Extend Agnes Street to Bluff Road at Collector standards	\$5,950,000	Low
D21A	Sandy Heights Street/370 th Avenue Extension	Extend Sandy Heights Street/370th Avenue to OR 211 at Collector standards	\$24,350,000	Low
D21B	Gunderson Road Extension	Extend Gunderson Road from existing terminus near OR 211 to 362nd Drive at Collector standards	\$13,750,000	Low
D21C	Cascadia Village Extension 1	Extend Cascadia Village from OR 211 to Arletha Court at Collector standards	\$2,025,000	Low

PROJECT ID	NAME	DESCRIPTION	COST	PRIORITY
D21D	Cascadia Village Extension 2	Extend Cascadia Village Drive from Village Boulevard to Pine Street at Collector standards	\$2,175,000	Medium
D21E	New southern collector	Construct new a new road at Collector standards from OR 211 at the intersection with the Sandy Heights Street/370th Avenue Extension to Langensand Road	\$33,550,000	Low
D21G	Village Boulevard Extension 2	Extend Village Boulevard at Collector standards from existing terminus south of Juniper Street to Bornstedt Road	\$4,000,000	Low
D22	New eastern collector	Construct new a new road at Collector standards from Dubarko Road at the intersection with the Dubarko Road Extension to US 26/ Vista Loop Road (east)	\$20,000,000	Low
D23	US 26 Bypass	Construct bypass from east of Orient Drive to Shorty's Corner (Firwood Road)	\$390,000,000	Low
D25	OR 211	Upgrade OR 211 to Minor Arterial standards from UGB to US 26, coordinate with P23	\$22,000,000	Medium
D26	Alt Avenue	Reconstruct Alt Avenue from Proctor Blvd to Pleasant St to improve walkability and access to the Sandy Library	\$11,000,000	High
D29	Ruben Lane Realignment to Kate Schmitz	Realign Ruben Lane to the west to connect with Kate Schmitz Avenue and US 26	\$3,700,000	Medium
D30	Langensand Road Truck Traffic Calming	Traffic calming measures along Langensand Road, potential treatments include bollards at the intersection of Langensand Road and US 26 and curb extensions along Langesand Road.	\$175,000	Low

A. This project is currently funded

SANDY TRANSPORTATION SYSTEM PLAN

CITY COUNCIL - PLANNING COMMISSION WORK SESSION #2
NOVEMBER 7, 2022

REAH FLISAKOWSKI, PE
PROJECT MANAGER
rlf@dksassociates.com
503.243.3500

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AGENDA

- | | |
|---|----------------|
| 1 PUBLIC INPUT SUMMARY | 5 MINS |
| 2 TSP PRIORITY PROJECTS DISCUSSION | 20 MINS |

PROJECT SCHEDULE



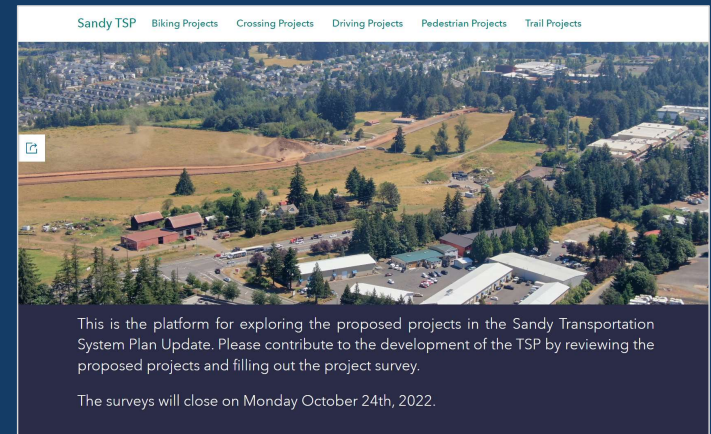


PUBLIC INPUT SUMMARY

TSP PUBLIC INPUT

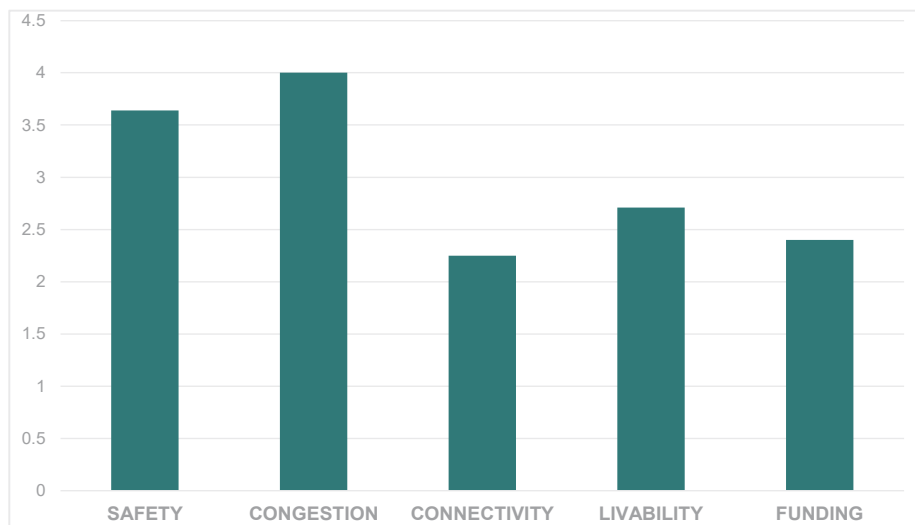
Focused on gathering input on local transportation needs and potential solutions from residents and business owners.

- Community Survey #1 September 2021, 400+ responses
- Community Survey #2 October 2022, 22 responses
- Future Fest September 28, 2022, 100+ attended



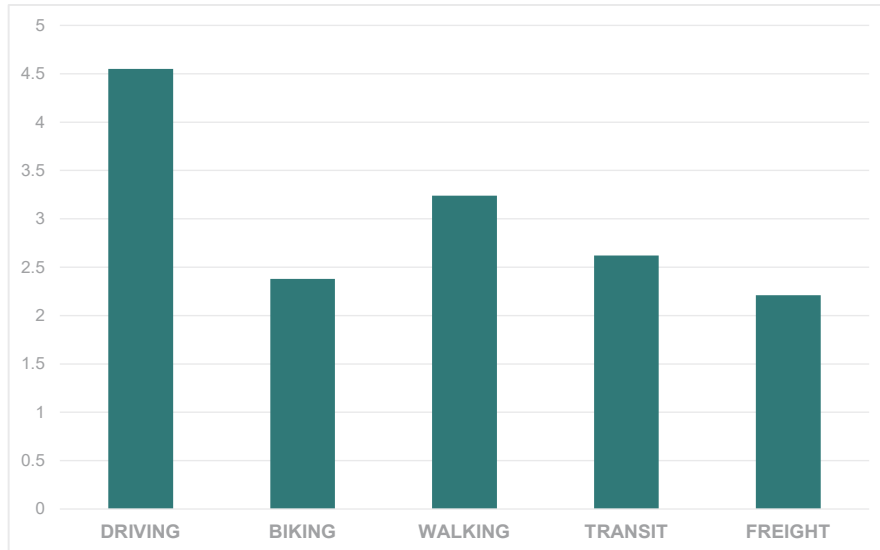
COMMUNITY SURVEY #1

Q5: What type of issue is most important to address in the TSP?
(Rank 1 to 5)



COMMUNITY SURVEY #1

Q6: What modes of travel are most important to address?
(Rank 1 to 5)



COMMUNITY SURVEY #2

Highest priority projects from draft TSP lists and maps

Top #1 priority projects:

- US 26 Bypass (Project D23)
- Dubarko Road/Highway 211 Crossing Improvement (Project C2)

Top #2 priority projects:

- Southwestern connectivity improvements (Project D21)
- Highway 211 minor arterial cross section improvements (Project D25)

Top #3 priority projects:

- US 26 Bypass (Project D23)

COMMUNITY SURVEY #2

Two additional segment projects were proposed:

- Trail connection in SW Sandy that creates a loop along 362nd Avenue, Highway 211 and connects with Tickle Creek
- Traffic calming on Dubarko Road east of Highway 211

FUTURE FEST

Feedback:

- Like the 362nd Avenue extension to the north of US 26
- Like the proposed wider local street cross-section
- Would like more reliable nighttime bus service
- Highway 211 at Dubarko Road is difficult to walk across
- Do not like Project D21a because it is near my property
- Would like more public transit with more frequent service

FUTURE FEST

Ideas:

- Speed limit reductions on Bluff Road, Highway 211 and 362nd Avenue to 25 mph
- Speed limit enforcement downtown
- Red light running cameras to improve safety and increase revenue
- Connect new 362nd Avenue extension and Bell Road project to Kelso Road
- Sidewalk infill on 362nd Avenue near trail and bridge
- Sidewalk crossing for Trickle Creek Trail on Dubarko Road, east of Melissa Avenue
- Add sidewalks to Highway 211
- Expand SAM transit service to Boring and southeast Gresham
- Apply a truck weight limit on Bluff Road
- Install digital speed sign on Bluff Road between Jonsrud Viewpoint and north city limits
- Add free public parking lot downtown

2

TSP PRIORITY PROJECTS

FUNDING SHORTFALL

Total cost of all TSP projects = \$697 M (includes \$390 M for US 26 Bypass)

Total cost of high priority TSP projects = \$56.7 M

Total funding available next 20 years = \$10.2 M

TSP is required to identify a Financially Constrained project list - anticipated to be funded and constructed within the next 20 years

PRIORITIZATION PROCESS

How do projects help achieve Sandy’s vision and goals?

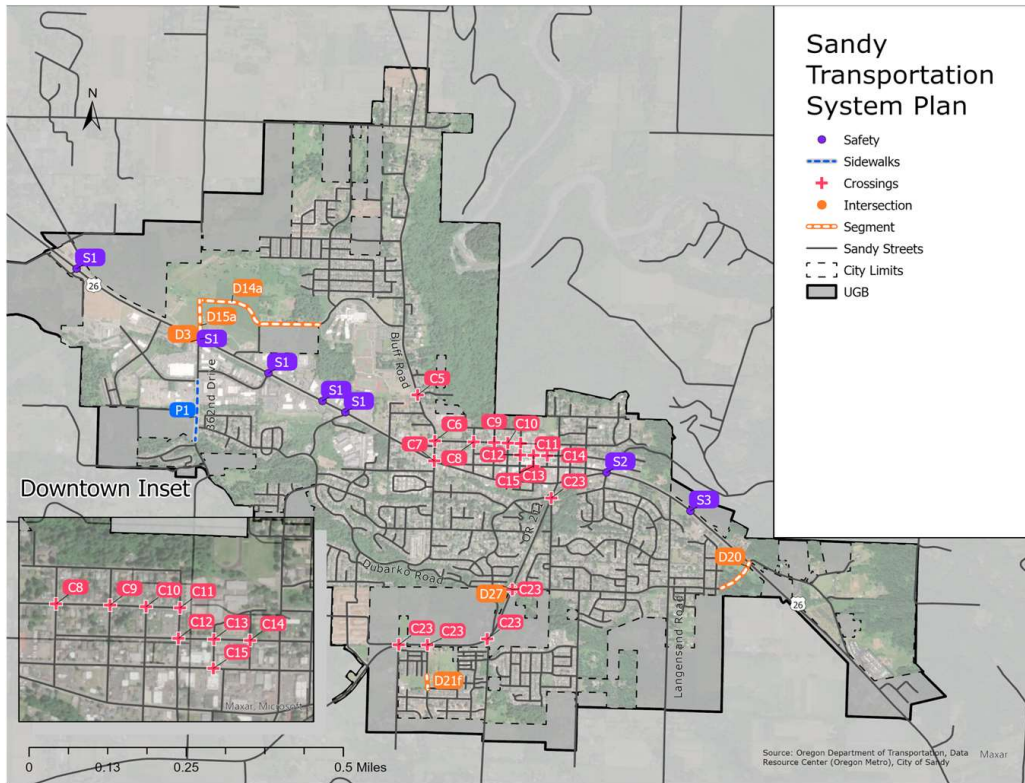


Emphasize improved system efficiency and management

- Maximize use of available funds
- Minimize impacts to the natural and built environments
- Balance investments across all modes of travel.

#	GOAL
1	MOBILITY & CONNECTIVITY
2	CAPITAL INVESTMENTS AND FUNDING
3	COMMUNITY
4	SYSTEM MANAGEMENT
5	ENVIRONMENTAL
6	TRANSIT
7	SAFETY
8	EQUITY
9	HEALTH

DRAFT FC PROJECTS



DKS

DRAFT FC PROJECTS

1 PEDESTRIAN PROJECT, \$1.5 M

P1: 362nd Drive from Chinook Street to Industrial Way sidewalk infill

12 ROADWAY CROSSING PROJECTS, \$1.8 M

Highway 211 Pedestrian ADA Ramp Improvements, funded

Various Safe Routes to School improvements near Cedar Ridge MS and Sandy ES

DRAFT FC PROJECTS

3 SAFETY PROJECTS, \$350,000

US 26 Adaptive Signal System from Orient Drive to Ruben Lane, \$200,000

US 26 at Ten Eyck Road Study, \$50,000

US 26 Speed Zone Study from Ten Eyck Road/Wolf Drive to Firwood Road, \$75,000

DKS

DRAFT FC PROJECTS

8 DRIVING PROJECTS, \$7.5 M

US 26/362nd Drive Intersection, Bell Street and 362nd Drive extension, funded

Dubarko Road extension to US 26 opposite Vista Loop Drive (West), \$3.9 M

Village Blvd extension from Cascadia Village Drive to Juniper Street, \$875,000

Highway 211/Gunderson Rd Roundabout, \$1.7 M

Highway 211/Dubarko Road Intersection Control Evaluation, \$50,000

US 26 Sandy Bypass Planning, \$1 M

DKS

WORK SESSION DISCUSSION

Are these the top project priorities?

Are projects missing? What projects could they replace?

How should we allocate future funds for vehicular, pedestrian, bicycle and safety improvements?

Pedestrian and Crossings = \$3.3 M

Safety = \$350,000

Driving = \$7.5 M

Bike = \$0

DKS

DRAFT TSP PROJECT LIST

Link to online TSP project lists and maps

<https://sandy-tsp-dks.hub.arcgis.com/>

DKS

THANK YOU

REAH FLISAKOWSKI
PROJECT MANAGER
rlf@dksassociates.com
503.243.3500

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MINUTES
City Council Meeting
Monday, October 17, 2022 6:00 PM

COUNCIL PRESENT: Stan Pulliam, Mayor; Jeremy Pietzold, Council President; Laurie Smallwood, Councilor; Kathleen Walker, Councilor; Carl Exner, Councilor; and Don Hokanson, Councilor

COUNCIL ABSENT: Richard Sheldon, Councilor

STAFF PRESENT: Jordan Wheeler, City Manager; Jeff Aprati, City Recorder; Ernie Roberts, Police Chief; Jenny Coker, Public Works Director; Tyler Deems, Deputy City Manager; Greg Brewster, IT/SandyNet Director; and Kelly O'Neill Jr., Development Services Director

MEDIA PRESENT: Sandy Post

1. CITY COUNCIL WORK SESSION - 6:00 PM

1.1. School Resource Officer Contract

Staff Report - 0605

The **Police Chief** summarized the staff report, which was included in the agenda packet.

Council discussion ensued on the following topics:

- History and context regarding the past decision to add a second SRO
- Distribution of incident statistics across schools
- Importance of outside funding sources for the program
- Details regarding cost figures for 9 and 12 months
- Proportion of OTSD who live outside city limits, discussion regarding an equitable cost sharing arrangement
- Details regarding SRO operations, including:
 - Percentage of time spent inside versus outside city limits
 - Emergency training programs, and the importance of consistency across schools
 - SRO functions during summer months
- Value of relationship building between youth and police
- Recognition that police would respond to incidents at schools regardless of the SRO program

- Recognition of emergency incidents at schools across the country
- Suggestion to establish a cadet program
- Thanks to staff for negotiating the revised contract
- Encouragement to seek additional supplemental funding opportunities

2. CITY COUNCIL REGULAR MEETING - 7:00 PM

3. Pledge of Allegiance

4. Roll Call

5. Changes to the Agenda
(none)

6. Public Comment

6.1.

8 - 9

Evelyn MacLean: psilocybin has the potential to offer multiple benefits for patients who suffer from many different conditions; it is not addictive and is not similar to marijuana; recreational stores are not proposed; a variety of prestigious research institutions are studying its usage; users report its many benefits; those who would administer it would be highly qualified.

*Written comments were also provided, and are attached to these minutes.

[Written Comments - Evelyn MacLean](#)

6.2.

Khrys Jones: Chamber of Commerce video interviews with candidates will be released this week; the Trick or Treat Trail will be held from 2 - 4 p.m. on October 29th.

7. Response to Previous Public Comments

The City Manager stated that Public Works will explore options for safety improvements on Vista Loop Drive.

The Council discussed the potential process for revisiting the psilocybin issue, and the potential for establishing local regulations to allow such operations in the future after thoughtful study and consideration.

8. Presentation

8.1. **Development Code Clear and Objective Audit Introduction**

10 - 16

Staff Report - 0619

Consultants from MIG|APG provided an update presentation on the status of the clean and objective audit of the Development Code. Presentation slides are attached to these minutes.

Council discussion ensued on the following topics:

- The process for designating historic districts
- The definition of "unreasonable cost or delay," and the evolution of case law on the issue
- Whether the Council can be apprised of specific areas of the code in need of amendment (the consultants agreed to provide general information for the Council sooner than originally envisioned)
- Clarity that the consultants will develop and provide recommended code changes, but are not currently scoped to manage the amendments through the adoption hearing process

[Presentation Slides](#)

9. Consent Agenda

9.1. **City Council Minutes**

October 3, 2022

Moved by Jeremy Pietzold, seconded by Kathleen Walker

Adopt the Consent Agenda

CARRIED. 6-0

Ayes: Stan Pulliam, Jeremy Pietzold, Laurie Smallwood,
Kathleen Walker, Carl Exner, and Don Hokanson

Absent: Richard Sheldon

10. Resolutions

10.1. **CWSRF Construction Loan Amendment #2**

Resolution 2022-25

Staff Report - 0621

The **Public Works Director** summarized the staff report, which was included in the agenda packet.

Council discussion ensued on the following topics:

- The degree to which cost increases were driven by inflation versus increases in project scope
- The importance of holding contractors accountable
- Recognition that this project is being undertaken with speed as the highest priority, and the CM/GC contracting method is being utilized
- Concern about reusing the same contractors; emphasis on the need for due diligence so all contractors believe they have a fair chance to be selected
- Discussion regarding the multiple upcoming contracting opportunities, and the possibility of revisiting the City's contracting method in the future
- Recognition that the SRF loan amendment before the Council is needed to fund projects already approved by the Council
- Benefits of the very low interest rate available under the SRF program
- Concern regarding the impact of the development moratorium on the City's ability to service the loan; staff note that SDCs were not heavily relied upon when developing the latest utility rate model
- Possibilities for refinancing debt and taking advantage of payment deferral options in the future
- Discussion of the City's overall debt capacity and rate affordability standards

Moved by Don Hokanson, seconded by Jeremy Pietzold

Adopt Resolution 2022-25

CARRIED. 6-0

Ayes: Stan Pulliam, Jeremy Pietzold, Laurie Smallwood,
Kathleen Walker, Carl Exner, and Don Hokanson

Absent: Richard Sheldon

11. New Business

11.1. Owners Representative Services Contract Amendment #3
Sandy Clean Waters Phase 1A

Staff Report - 0622

The **Public Works Director** summarized the staff report, which was included in the agenda packet.

Council discussion ensued on the following topics:

- The degree to which this change was anticipated in recent months, though further clarity on financing plans was needed first
- Advantages of retaining Leeway through completion of Basin 6&7 rehabilitation and the system stress test; importance of the firm continuing to help the City nimbly respond to emergent and urgent needs
- Compliance documentation needs for ARPA funds
- Details of the anticipated Program Management role
- Details on the upcoming facility plan amendment process

Moved by Don Hokanson, seconded by Laurie Smallwood

Authorize the City Manager to sign Amendment #3 to the Owners Representative agreement with Leeway Engineering Solutions in the amount of \$883,779

CARRIED. 6-0

Ayes: Stan Pulliam, Jeremy Pietzold, Laurie Smallwood, Kathleen Walker, Carl Exner, and Don Hokanson

Absent: Richard Sheldon

11.2. SandyNet Enrollment in Affordability Connectivity Program

Staff Report - 0620

The **SandyNet Director** summarized the staff report, which was included in the agenda packet.

In response to a Council question, staff clarified that the program would be open to all qualifying SandyNet customers.

Moved by Jeremy Pietzold, seconded by Kathleen Walker

Approve SandyNet enrollment and participation in the ACP to offer a low-income option for qualifying households

CARRIED. 6-0

Ayes: Stan Pulliam, Jeremy Pietzold, Laurie Smallwood, Kathleen Walker, Carl Exner, and Don Hokanson

Absent: Richard Sheldon

12. Report from the City Manager

- Appreciation for the recent League of Oregon Cities Conference

- Note of current openings on boards and commissions
- New public survey being conducted for the Transportation System Plan update
- Nellie deVries is interested in providing government relations services for the City
- Recent meeting with Homebuilders Association was productive

13. Committee /Council Reports

Councilor Hokanson

- Appreciation for the recent League of Oregon Cities Conference
- Importance of street sweeper operations with the upcoming wet weather
- Need to advertise the ACP program
- Desire for an update on holiday light plans

Councilor Exner

- Desire to restart the Arts Advisory Board

Councilor Walker

- The new Sandy Health Center facility will be great for the community
- Trick or Treat Trail is upcoming
- There may be opportunities to assist the Hoodland Library with the cost of its rent

Councilor Smallwood

- Trees in Meinig Park will be lit in coordination with the traditional tree lighting event; weekly events in the park are being planned for December
- Appreciation for the recent League of Oregon Cities Conference

Council President Pietzold

- Appreciation for the recent League of Oregon Cities Conference

Mayor Pulliam

- Process for updating the school resource officer program contract has been going well
- Recent meeting with Homebuilders Association was productive; commitment to transparency was emphasized
- The new Sandy Health Center facility will be great for the community
- Trick or Treat Trail is upcoming

14. Staff updates

14.1. [Monthly Reports](#)

15. Adjourn

Mayor, Stan Pulliam

City Recorder, Jeff Aprati

Draft



My name is Evelyn MacLean. My address is 4280 Salquist Road, Gresham.

I am here tonight to encourage this board to **not** postpone the upcoming opportunities that we have in this community, as it relates to research of psilocybin. I am urging those of you who don't know the benefits of how psilocybin can help our community to consider this. As of right now, it's estimated that 58% of American adults are on anti-depressants or anxiety medication.

Psilocybin shows **NO** addictive qualities or traits. This is **not** an addictive drug. This is not the same thing as marijuana. There are no plans to open stores in neighborhoods and sell mushrooms to the general public. For people who want to take mushrooms for recreation, they are already doing it (illegally). This is a huge opportunity to assist in therapies directed at:

PTSD

Smoking cessation

Getting off addictive drugs such as heroin, pain pills, cocaine, and even marijuana

Depression

Trauma – such as rape

Therapy for cancer patients facing end of life – and end of life therapy

Research is also being done for treating Alzheimer's, weight loss, memory care, and chronic fatigue syndrome.

The following are just some of the universities that have been and continue to conduct medical based research on the benefits of this plant.

Stanford School of Medicine

Harvard Medical School

UC San Diego Dept. of Psychiatry

Purdue College of Pharmacy

NYU

John Hopkins Medicine

Columbia University Medical Center

Dept. of Veterans Affairs

Imperial College of Medicine – England

Kings College – England

UCLA medical center

AND..... OHSU

For those who don't know, psilocybin was being researched in the 1950s and 1960s. Then banned in 1970 and shelved. Dare I say it? The government lied about it being harmful.

Psilocybin has been used for 1000s of years for medicinal purposes and in religious ceremonies within tribal communities.

In talking to those who have gone through a guided session, they have said the following:

Having a guided experience has ranked up there with the "most spiritual and meaningful experience of their lives". Others have noted it was "equal of importance to the birth of their child or getting married" or "it was like 6 years of therapy in 6 hours".

I'm not here advocating drug use. Sandy got it right to keep marijuana shops out of here. I'm here saying that under the proper circumstances, with trained therapists, a LOT of good could come of making this available. Over 60% of this state voted to allow this in 2020. I don't see why we are not listening to our communities' voices.

I ask you to think of who you know in your life who has struggled with PTSD, addiction, anxiety, depression, or who may have suffered abuse and then ask yourself....Do you want to be part of the solution?

Therapists will have to go through training of 120 hours prior to becoming certified. They also go through an extensive vetting process. The average cost for certification is over \$10,000. OHSU is just one of the training facilities.

If this council would be willing to hear from therapists that see this as being a good thing, I can have a therapist who has seen the benefits first hand, create an informational presentation just for this board, or for the community as a whole.

Thank you for your time.

[Watch How to Change Your Mind | Netflix Official Site](https://www.netflix.com/title/80229847)

<https://www.netflix.com/title/80229847> 2nd film out of 4 in the series

<https://www.bing.com/videos/search?q=psilocybin&docid=608045285180528523&mid=21E0CB733426510C9D0121E0CB733426510C9D01&view=detail&FORM=VIRE> – recent news story

[Investigating the Therapeutic Effects of Psilocybin in Treatment-Resistant Post-Traumatic Stress Disorder - Full Text View - ClinicalTrials.gov](#) [Investigating the Therapeutic Effects of Psilocybin in Treatment-Resistant Post-Traumatic Stress Disorder - Full Text View - ClinicalTrials.gov](#)

Sandy Clear and Objective Code Project

City Council Briefing
October 17, 2022



Project Purpose



- Ensure that the City of Sandy’s Development Code is consistent with Oregon state laws and legislation, primarily Oregon State statute (ORS 197.307)
- ORS 197.307 requires that local governments adopt and apply **only clear and objective standards, conditions and procedures** for the development of housing
- Some exceptions for historic districts.
- Regulations also must not discourage needed housing through **unreasonable cost or delay**.

ORS 197.307(4)

Except as provided in subsection (6) of this section, a local government may adopt and apply only clear and objective standards, conditions and procedures regulating the development of housing, including needed housing. The standards, conditions and procedures:

(a) May include, but are not limited to, one or more provisions regulating the density or height of a development.

(b) May not have the effect, either in themselves or cumulatively, of discouraging needed housing through unreasonable cost or delay.

What are clear and objective regulations?



- Use terms, definitions, and measurements that provide for consistent interpretation of the standard
- No need or ability for reviewer to use discretion in applying the standard (no “gray area” for interpretation)
- Two people applying the same standard would get the same result
- Offer a simplified review process that saves time and money and increases the certainty of approval

Optional Discretionary Review



- Statute allows an optional discretionary review path or parallel track
- Some jurisdictions provide a “two-track” system for design requirements and review:

Clear and objective track

specifies the criteria in ways that require no interpretation

Discretionary track

the applicant must make the case for why the proposed design meets the intent or guideline

- Discretionary track can offer more flexibility for the applicant, as well as more discretion for the reviewer

Project Team



City planning staff and project consultant,
MIG | APG:



Catherine Corliss, AICP
Principal and Project Manager

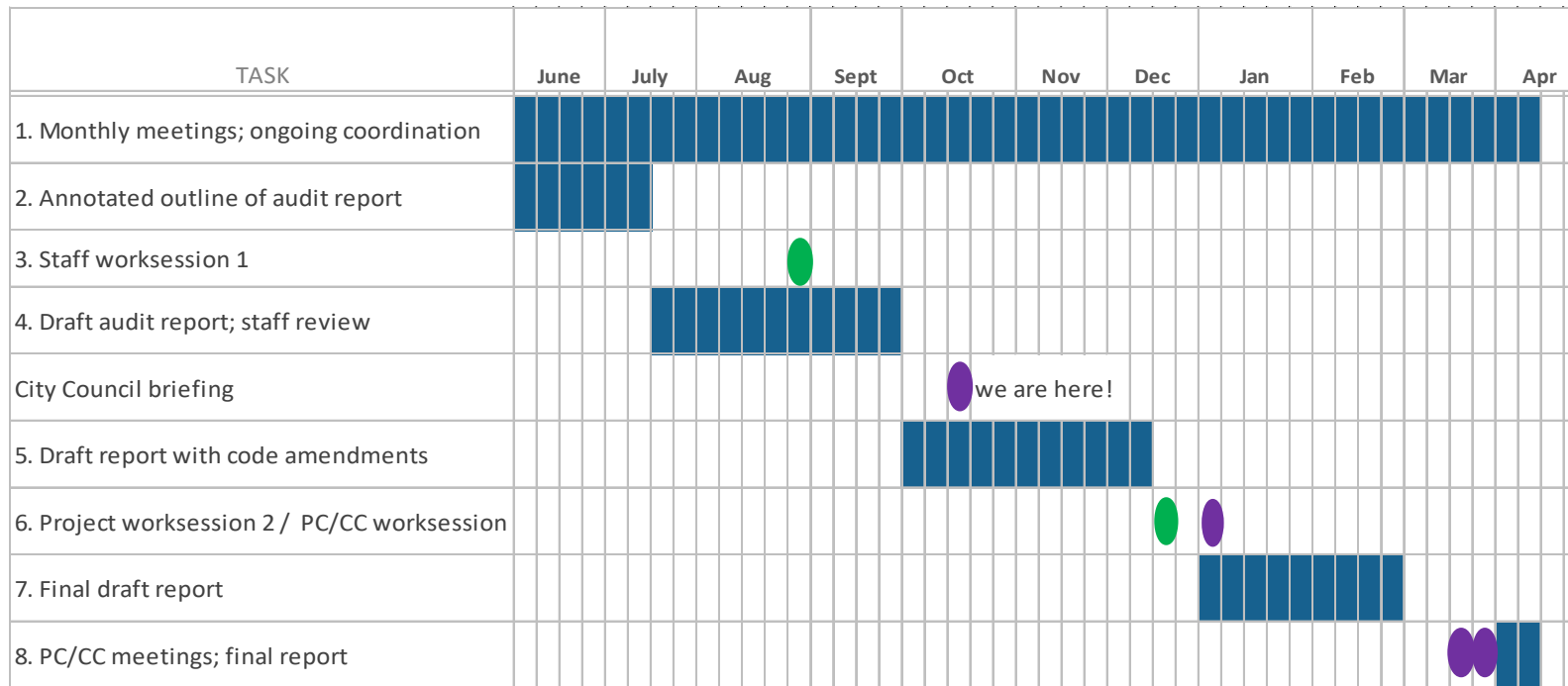


Kate Rogers, AICP
Senior Planner



Brandon Crawford
Planner

Project Schedule



Questions, Comments or Suggestions?



Staff Report

Meeting Date: November 7, 2022
From Ernie Roberts, Police Chief
SUBJECT: School Resource Officer Contract Renewal

DECISION TO BE MADE:

Approve the contract for continuing the School Resource Officer program with the Oregon Trail School District (OTSD).

PURPOSE / OBJECTIVE:

Continue to provide law enforcement services to OTSD through the City of Sandy School Resource Officer program. Maintain the positive and productive relationship between Sandy Police Department (SPD) and OTSD.

BACKGROUND / CONTEXT:

For more than two decades, the City of Sandy Police Department has provided law enforcement services through the SRO program to the Oregon Trail School District. Over time, the relationship has grown and now the police department provides two full time officers that are assigned to the district full time during the school year. SRO's enforce state and local laws, train staff, develop and maintain positive relationships with our youth and receive specialized training to be certified as an SRO in our state.

School Resource Officers have offices provided by the district at the Sandy High School and generally spend the majority of their time at that location as this is where the largest student population is located. Officers do respond to calls for service to other schools in the district when needed and also provide training on an annual basis for all Oregon Trail District staff. Training provided by our department to the staff at the Oregon Trail School District includes Emergency Operations, Active Shooter, General Security and the Run Hide Fight Program. This training is completed through table top exercises and live training that staff participates in. In addition to the training, a security audit is completed for the district on a semi annual basis.

In addition to crime prevention and training, School Resource Officers responded to a total of 372 incidents during the 2019-20 school year and 611 incidents during the 2020-21 school year. These incidents would otherwise be assigned to our patrol division.

For several years, the City had only one School Resource Officer with the District paying half the salary of the officer. Following the termination of the police services contract with the City of Estacada in 2018, the Oregon Trail School District offered to partially fund an additional School Resource Officer with the execution of a renewed contract. Under that contract, the district compensated the City \$43,000 per officer with

an escalation of 3% per year. This amount was based on the District paying half the salary of a School Resource Officer.

In a survey of other SRO programs, the cost sharing ranges vary:

- Milwaukie Police Department; Provides one officer, District pays 100% of salary and benefits.
- Wilsonville Police Department; Provides one officer, District pays 50% of salary and benefits.
- Lake Oswego Police Department; Provides two officers, District pays 100% for one officer and the City pays for the second officer.
- Albany Police Department; Provides two officers, District pays 50% of salary and benefits.
- Jefferson County Sheriffs Office; Provides one deputy, District pays 64.5% of salary and benefits.
- West Linn Police Department; Provides one officer, District pays \$88,400 for salary, City is responsible for all benefits.
- Molalla Police Department; Provides one officer, District pays \$50,000 toward salary and benefits.
- Clackamas County Sheriffs Office (North Clackamas School District); Provides two deputies, District pays 100% of the salary and benefits.

The City and the School District mutually agree on the benefits and importance of continuing the program. City staff met with council members to discuss city interests regarding the SRO contract renewal and presented the draft updated contract at the October 17 City Council Work Session. Staff has also met with Superintendent Aaron Bayer to express our interest in realigning the contractual amount to a number that more accurately reflects the true salary and benefit costs of an SRO.

The City's interest was to increase the District's share to approximately half of the full cost of an officer which is more in line with other SRO contracts around the state. The current and prior contracts only accounted for the District paying half of the *salary* of an SRO. Depending on the officer(s) assigned to the District, the full cost of the SRO can vary greatly. The SRO is a special assignment and officers chosen for the position rotate out after serving four years. The officers currently assigned have completed three years of that rotation. Combined, the estimated full cost of the two officers for the current year is \$281,143.

The District has agreed to increase the amount of their funding per officer to \$66,627 with annual escalation of 4%. This will generate an additional \$39,280 in revenue for the Police Department in the first year of the contract, with future increases each subsequent year.

The City Council reviewed the proposed contract at the [October 17, 2022 City Council Work Session](#).

RECOMMENDATION:

Staff recommends approval of the SRO contract renewal.

BUDGETARY IMPACT:

The new contract would provide an additional \$39,280 to the Police Department budget in the first year of the contract.

SUGGESTED MOTION LANGUAGE:

"I move to authorize the City Manager to enter into an agreement with the Oregon Trail School District for providing School Resource Officer services."

**AGREEMENT BETWEEN THE CITY OF SANDY
AND THE OREGON TRAIL SCHOOL DISTRICT**

**TO PARTICIPATE IN THE SCHOOL RESOURCE OFFICER PROGRAM FOR ALL SCHOOLS COMPRISING THE
OREGON TRAIL SCHOOL DISTRICT**

This agreement, entered into this _____ day of November 2022, (Execution Date) by and between the City of Sandy, a municipal corporation (CITY) and the Oregon Trail School District, a political subdivision of the State of Oregon (DISTRICT) is made in light of the following:

MISSION STATEMENT

It is the stated goal of this agreement to have a working partnership between the City of Sandy and the Oregon Trail School District to provide a safe and secure learning environment for all students and to encourage a positive learning experience.

RECITALS

- A. CITY is a municipal corporation duly organized and validly existing under the Constitution and the laws of the State of Oregon.
- B. DISTRICT is a political subdivision of the State of the State of Oregon located in Clackamas County, Oregon, and is organized and exists pursuant to the laws of the State of Oregon.
- C. DISTRICT is in need of special services available through the School Resource Officer Program {the special services are described in Section 2 and are referred to collectively as the "Services"}.
- D. DISTRICT is authorized to enter into this AGREEMENT pursuant to the laws of the State of Oregon.
- E. CITY employs sworn peace officers specially trained, experienced and competent to provide the Services and CITY is willing to provide Services to DISTRICT on the terms and in the manner provided within this AGREEMENT.
- F. CITY and DISTRICT are joining together in a collaborative effort to provide two (2) School Resource Officers (SRO). The SROs' primary assignments are to work with the school communities to help provide a safe and secure environment for all.

AGREEMENT

NOW THEREFORE, CITY and DISTRICT agree as follows:

1. TERM

The term of this AGREEMENT shall commence on November _____, 2022. This AGREEMENT shall expire on June 30, 2026, unless terminated as specified in Section 7.

2. CITY SERVICES

- A. Services - General: CITY will provide two (2) full-time sworn peace officers from the Sandy Police Department to the function of SRO. Each SRO shall perform services, as an employee of the City of Sandy, under the supervision and control of the Sandy Police Department Chief of Police (Chief of Police). The type and manner of performance of the services should

promote safety in the learning environment. The services contemplated by this AGREEMENT include all schools within DISTRICT.

- B. Services - Mandatory: CITY shall perform the following services:
 - i. Establish and maintain a liaison between DISTRICT personnel, Sandy Police Department personnel, and elements of the juvenile justice system.
 - ii. Serve as a resource to DISTRICT employees such as administrators, faculty and security personnel as well as students and their guardian(s) on all law enforcement-related issues including crime prevention and investigations.
- C. Services - Discretionary: City may in the sole discretion of the Officers and/or his/her supervisor, perform the following services:
 - i. Conduct patrol activity in and around the school campuses.
 - ii. Conduct preliminary and follow-up investigations of crimes that occur on or near the school campuses.
- D. Services - Security: The services performed by Officers pursuant to this AGREEMENT are not intended to supplant those provided by existing DISTRICT security personnel. DISTRICT may request security services from CITY pursuant to other provisions of this AGREEMENT

3. DISTRICT DUTIES

In addition to other duties specified within this AGREEMENT, DISTRICT shall do the following:

- A. DISTRICT will designate a staff member to serve as liaison to the Sandy Police Department to facilitate communication between DISTRICT personnel and the Officer and coordinate the Officer's activities with DISTRICT activities and events.
- B. DISTRICT personnel shall cooperate with the Officer to facilitate their performance of services pursuant to this AGREEMENT.

4. OPERATIONAL PROCEDURES

- A. Uniformed officer: Each Officer will perform their duties in full police uniform. This uniform will include safety equipment designated for use by sworn field personnel pursuant to Sandy Police Department policies and practice.
- B. Services - Timing: CITY shall, following the school calendar, provide each Officer to DISTRICT with that officer generally serving five (5) days a week and eight (8) hours each day. CITY shall use its best efforts to ensure that the same person provides services except when the employee is on paid leave or otherwise absent.
- C. Deployment of SROs on days outside of the school calendar is at the discretion of the Sandy Chief of Police.

5. FUNDING

- A. Personnel - CITY is required to maintain two (2) sworn peace officers, employed by City, to provide the services required by this AGREEMENT.
- B. District Payments - DISTRICT shall pay \$66,627 per SRO, per year, payable within thirty (30) days of receipt of an invoice from CITY. CITY will bill not earlier than September 30, annually.

In the first year of the AGREEMENT, CITY will bill within thirty (30) days of AGREEMENT execution.

- C. Funding of Personnel - CITY will assure provision of funding necessary to cover the balance of each SRO's compensation not covered by DISTRICT.
- D. Escalation - After the first year of this agreement, the amount paid by district will increase 4% annually.
- E. Proration - For each SRO under this AGREEMENT, in the event an SRO is absent, without substitute replacement, from service to the district for greater than 2 days, CITY will refund to DISTRICT an amount calculated as follows:

(SRO days absent > two days x 1/173 school days x annual district fee per SRO)

Any such payments are due to DISTRICT prior to June 30 each year.

6. SPECIAL PROVISIONS

- A. Selection of Officer(s): The Chief of Police will determine those individuals best suited for the assignment and advise the DISTRICT of the eligible candidates. The Chief of Police shall consider input from the DISTRICT representative(s) as to the selection of the Officer(s), but the Chief of Police's decision shall be final.
- B. Grant Administrative Requirements: The CITY and DISTRICT will be responsible for their own respective grant monies received, if any, including all administrative duties and responsibilities. This includes receipt and disbursement of funds financial reporting and grant management issues.
- C. Evaluation of SRO Program: The CITY will complete an evaluation of the SRO Program on an annual basis with solicited input of DISTRICT.

7. TERMINATION

DISTRICT or CITY may terminate this AGREEMENT without cause any time after the Effective Date, by giving a ninety (90) day written notice to the other party. In the event of termination, DISTRICT shall compensate CITY for Services performed to the date of termination, following the formula in section 5E of AGREEMENT. CITY shall continue to provide Services after notified to terminate and during the ninety (90) day notice period unless DISTRICT, in the notice, requests CITY not perform Services. The notice shall be deemed given when personally delivered to the DISTRICT or CITY representative or three (3) days after the date the notice is deposited in the United States mail, first-class postage paid, and addressed to the appropriate representative as specified in this AGREEMENT.

8. INDEMNIFICATION

- A. District Obligations: DISTRICT agrees to defend, indemnify, and hold CITY, its elected and appointed officials, officers, and employees harmless against and from any and all losses, claims, actions, damages, expenses or liabilities, including reasonable attorney's fees, arising out of or in any way connected with the DISTRICT'S negligent performance of this AGREEMENT. DISTRICT assumes workers' compensation liability for injury or death of its officers, agents, employees and volunteers, and assumes no workers' compensation responsibility for the elected and appointed officials, officers, and employees of the CITY.

- B. City's Obligations: CITY agrees to defend, indemnify, and hold DISTRICT, its officers, agent, employees and volunteers harmless against and from any and all losses, claims, actions, damages, expenses or liabilities, including reasonable attorney's fees, arising out of, or in any way connected with CITY'S negligent performance of this AGREEMENT. CITY assumes worker's compensation liability for injury or death of its elected and appointed officials, officers and employees, and assumes no workers' compensation responsibility for the officers, agents, employees and volunteers of the DISTRICT.

9. ASSIGNMENT

This AGREEMENT may not be assigned or transferred by either Party without the express written consent of the other Party.

10. NOTICE /Representatives

The CITY and DISTRICT have designated the following representatives to receive notices and act in their agency's behalf in the administration of the AGREEMENT.

CITY Police Chief
 Sandy Police Department
 39850 Pleasant Street
 Sandy, OR 97055

DISTRICT Superintendent
 Oregon Trail School District
 36525 SE Industrial Way
 Sandy, OR 97055

11. ENTIRE AGREEMENT

When signed the authorized representatives of both parties, AGREEMENT is the final and entire agreement. As their final expression, AGREEMENT supersedes all prior and contemporaneous oral or written communications between parties, their agents, and representatives. There are no representations, promises, terms, conditions, or obligations other than those contained herein.

IN WITNESS THEREOF, I have read this AGREEMENT and I certify that I have the authority to sign and enter into the AGREEMENT on behalf of the party I represent and agree to be bound by its terms.

City Manager, City of Sandy

Date

Superintendent, Oregon Trail School District

Date



Staff Report

Meeting Date: November 7, 2022
From Jenny Coker, Public Works Director
SUBJECT: Wastewater System Facilities Plan Amendment

DECISION TO BE MADE:

Whether to authorize the City Manager to sign an agreement with Kennedy Jenks to complete a Wastewater System Facilities Plan Amendment.

PURPOSE / OBJECTIVE:

To develop a more economical solution to meet the City's wastewater permit compliance requirements.

BACKGROUND / CONTEXT:

Sandy has outgrown our decades-old wastewater system, and we have been mandated by the Oregon Department of Environmental Quality and the U.S. Environmental Protection Agency to improve our infrastructure. The City of Sandy [adopted](#) a wastewater adopted a Wastewater System Facilities Plan in 2019 to address these challenges, under a program now known as Sandy Clean Waters. ([A comprehensive update presentation on the status of Sandy Clean Waters, delivered on October 3, 2022, can be viewed here](#)).

As the City began implementing Phase 1A of the Wastewater System Facilities Plan, we began experiencing significant and unexpected project cost increases. A reassessment of the future program estimates for Phase 1B (construction of the Satellite MBR Facility and a new outfall system) revealed that the budget is no longer feasible for the City to complete as currently conceptualized.

As a result of the affordability and schedule concerns, the City is working to develop a facility plan amendment with a revised capital improvement plan (CIP) for near-term and long-term wastewater system solutions, that meets our regulatory requirements while remaining financially feasible for the City as well as our ratepayers.

The City solicited a request for qualifications (RFQ) for professional services to complete a facility plan amendment on June 1, 2022.

KEY CONSIDERATIONS / ANALYSIS:

Two responses to the RFQ were received on the due date of June 30, 2022. A selection committee consisting of the City, Leeway Engineering, and Veolia staff ranked the

responses based on references, experience, and project team qualifications. Kennedy Jenks was the highest-ranking firm.

The proposed contract with Kennedy Jenks will complete a facility plan amendment and develop a more economical solution to meet the City's permit compliance requirements. Additionally, the facility plan amendment will address compliance issues during the shoulder season of May and October, when discharge to Trick Creek is prohibited, and irrigation is not needed/storage ponds are full. The facility plan will also incorporate validated results of the RDII collection systems projects to confirm peak flows as well as the results of the stress testing completed in Spring of 2023. The Facility Plan Amendment will also prepare an updated Capital Improvement Program of projects based on system needs.

RECOMMENDATION:

Authorize the City Manager to sign an agreement with Kennedy Jenks to complete a Wastewater System Facilities Plan Amendment.

BUDGETARY IMPACT:

The proposed contract, which totals \$502,841, is funded by American Rescue Plan Act (ARPA) grant funding and will have no impact on the City's wastewater rate model.

SUGGESTED MOTION LANGUAGE:

"I move to authorize the City Manager to sign an agreement with Kennedy Jenks for professional services to complete a Wastewater System Facilities Plan Amendment in the amount of \$502,841."

LIST OF ATTACHMENTS/EXHIBITS:

- Draft contract with Kennedy Jenks Consultants, Inc., including scope and fee for professional services.
- Presentation slides

PROFESSIONAL SERVICES AGREEMENT

PREAMBLE

This Contract, made and entered into this 08 day of November 2022, by and between KENNEDY JENKS CONSULTANTS, INC. hereinafter called "Contractor", and the CITY OF SANDY, a municipal corporation of the State of Oregon, hereinafter called "City".

WHEREAS, City has need for the services of a party with the particular training, ability, knowledge and experience possessed by Contractor.

WITNESSETH:

The parties hereto mutually covenant and agree to and with each other as follows:

1. SCOPE OF WORK

The scope of work for professional services on the Wastewater Facility Plan Amendment is contained in Exhibit A attached hereto and by this reference made a part hereof.

This contract shall supersede any prior representation or contract, written or oral. This contract shall not be subject to modification or amendment except in writing, executed by both parties.

2. DURATION OF CONTRACT

Unless earlier terminated or extended, this contract shall remain in force and effect from the date in the preamble above through December 1, 2023.

3. PAYMENT

City agrees to pay, and Contractor agrees to accept, in full payment for the performance of this contract, according to the fee schedule in Exhibit A attached hereto and by this reference made a part hereof. The fee schedule in Exhibit A may be adjusted annually upon mutual agreement of the parties to reflect inflation and changes in labor and materials costs.

4. CHANGES

This contract and any substantive changes to the scope of work or changes to the contract costs will not be effective until approved in writing by the City.

5. INDEPENDENT CONTRACTOR STATUS

Contractor agrees and certifies that:

- A. Contractor is engaged as an independent contractor and will be responsible for any federal or state taxes applicable to payment under this contract;
- B. Contractor will not, on account of any payments made under this contract, be eligible for any benefit from federal social security, workers' compensation, unemployment insurance, or the Public Employee's Retirement System, except as a self-employed individual;
- C. Contractor is not currently an employee of the federal government or the state of Oregon;
- D. Contractor is not a contributing member of the Public Employees' Retirement System;
- E. Contractor certifies it meets the specific Independent Contractor Standards of ORS 670.600;
- F. Contractor is not an "officer, employee or agent" of City as those terms are used in ORS 30.265.

6. SUBCONTRACTS AND ASSIGNMENT; SUCCESSORS IN INTEREST

Contractor shall not enter into any subcontracts for any of the work required by this contract, excepting those portions of the work specifically described in Exhibit A or assign or transfer any of its interest in this contract without the prior written consent of City. The provisions of this contract shall be binding upon and shall inure to the benefit of the parties hereto, and their respective successors and assigns, if any.

7. PAYMENT OF LABORERS

A. Contractor shall:

- (1) Make payment promptly, as due, to all persons supplying to Contractor labor or material for the prosecution of the work provided for in this contract;
- (2) Pay all contributions or amounts due the Industrial Accident Fund incurred in the performance of this contract;
- (3) Not permit any lien or claim to be filed or prosecuted against City on account of any labor or material furnished; and
- (4) Pay to the Department of Revenue all sums withheld from employees pursuant to ORS 316.167.

B. If Contractor fails, neglects or refuses to make prompt payment of any claim for labor or services furnished to it by any person in connection with this contract as such claim becomes due, City may pay such claim to the person furnishing the labor or services and charge the amount of the payment against funds due or to become due to Contractor by reason of such contract.

C. The payment of a claim in this manner shall not relieve Contractor or Contractor's surety from obligation with respect to any unpaid claims.

8. PAYMENT FOR MEDICAL CARE AND PROVIDING WORKERS' COMPENSATION

Contractor shall promptly, as due, make payment to any person, co-partnership, association or corporation furnishing medical, surgical and hospital care or other needed care and attention, incident to sickness or injury, to the employees of Contractor, of all sums which Contractor agrees to pay for such services and all moneys and sums which Contractor collected or deducted from the wages of employees pursuant to any law, contract or agreement for the purpose of providing or paying for such service.

Contractor, its subcontractors, if any, and all employers working under this contract are subject employers under the Oregon Workers' Compensation Law and shall comply with ORS 656.017, which requires them to provide workers' compensation coverage for all their subject workers.

9. OVERTIME AND HOLIDAYS

Persons employed by Contractor under this Personal Services Contract shall receive at least time and a half pay for work performed on the following legal holidays:

- A. New Year's Day on January 1
- B. Memorial Day on the last Monday in May
- C. Independence Day on July 4
- D. Labor Day on the first Monday in September
- E. Thanksgiving Day on the fourth Thursday in November
- F. Christmas Day on December 25

and for all overtime worked in excess of forty [40] hours in any one week, except for individuals who are excluded under ORS 653.101 to 653.261 or under 29 U.S.C., Sections 201 to 209, from receiving overtime.

10. TIME LIMITATION ON CLAIM FOR OVERTIME

Any worker employed by Contractor shall be foreclosed from the right to collect for any overtime under this contract unless a claim for payment is filed with Contractor within ninety [90] days from the completion of the contract, providing Contractor has:

A. Caused a circular clearly printed in blackface pica type and containing a copy of this section to be posted in a prominent place alongside the door of the timekeeper's office or in a similar place which is readily available and freely visible to any or all workers employed on the work; and

B. Maintained such circular continuously posted from the inception to the completion of the contract on which workers are or have been employed.

11. ERRORS

Contractor shall perform such additional work as may be necessary to conform the work to the scope of work in Exhibit A or to correct errors in the work that are caused by the Contractor not meeting the Standard of Work required under this contract without undue delays and without additional cost.

12. DEFAULT

City, by written notice of default (including breach of contract) to Contractor, may terminate the whole or any part of the contract:

- A. If Contractor fails to provide services called for by this contract within the time or in the manner specified herein, or any extension thereof; or
- B. If Contractor fails to perform any of the other provisions of this contract, or so fails to pursue the work as to endanger performance of this contract in accordance with its terms, and after receipt of written notice from City, fails to correct such failures within ten [10] days or such longer period as City may authorize.

Upon termination, City will pay Contractor for only the value to City of work actually performed. The rights and remedies of City provided in the above clause related to defaults (including breach of contracts) by Contractor shall not be exclusive, and are in addition to any other rights and remedies provided by law or under this contract.

13. OWNERSHIP OF WORK

All work products of Contractor, including background data, documentation and staff work that is preliminary to final reports, which result from this contract are the exclusive property of City. If this contract is terminated by either party or by default, City, in addition to any other rights provided by this contract, may require Contractor to transfer and deliver such partially completed reports or other documentation that Contractor has specifically developed or specifically acquired for the performance of this contract.

For any use by the City of the materials for any purpose other than the one for which Consultant prepared the materials without the Consultant's professional involvement, the City shall release Consultant from any and all claims and, to the fullest extent permitted by law, shall indemnify, defend, and hold harmless the Consultant, its officers, employees and subconsultants from and against any damages, liabilities or costs.

14. INDEMNITY AND HOLD HARMLESS

Contractor shall defend, indemnify and hold City, its officers, agents and employees, harmless against all liability, loss or expenses, including attorney's fees, and against all claims, actions or judgments based upon or arising out of damage or injury (including death) to persons or property to the extent caused by any negligent act or omission of an act sustained in connection with the performance of this contract or by conditions created thereby, or based upon violation of any statute, ordinance or regulation.

15. INSURANCE

Contractor shall obtain, prior to the commencement of the contract, and shall maintain in full force and effect for the term of this contract, at Contractor's expense, commercial general liability insurance and automobile liability insurance for the protection of Contractor and City, its officers, boards, commissions and employees. These policies shall be issued by a company authorized to do business in the state of Oregon, protecting Contractor or subcontractors or anyone directly or indirectly employed by either of them against liability for the loss or damage of personal and bodily injury, contractual liability, death and property damage, and any other losses or damages. The policies shall be written on an occurrence basis and coverage shall be a minimum of \$2,000,000 per occurrence and \$2,000,000 in the aggregate. The insurance company shall provide City with an endorsement thereto naming City as an additional insured, providing that no acts on the part of the insured shall affect the coverage under the above policies, and providing City will receive at least thirty [30] days' written notice of cancellation or material modification of the insurance contract.

In addition to the insurance otherwise required under this contract, Contractor shall obtain, at Contractor's expense, and keep in effect during the term of this contract, professional liability insurance covering damages caused by an error, omission or any negligent acts. The limit per claim shall not be less than \$2,000,000. Annual aggregate limit shall not be less than \$2,000,000.

If such insurance is written on a claims-made basis, the policy shall have an extended reporting or discovery "tail" period, or be renewed for a period of not less than (i) two years from substantial completion or abandonment of the project for claims that are known or in the exercise of reasonable care should have been known, and (ii) ten years after substantial completion for latent defects.

Such policy shall have a retroactive date effective before the commencement of any work by the Contractor.

Contractor will not perform any work under this contract until City has received copies of applicable insurance policies or acceptable evidence that appropriate insurance heretofore mentioned is in force.

16. STANDARD OF WORK

Contractor will accomplish the work using a standard of performance and care that is

currently accepted by other professionals engaged in similar work in the Portland metropolitan area.

17. TERMINATION

This contract may be terminated by mutual consent of the parties, or by City at any time by giving written notice to Contractor no later than fifteen [15] days before the termination date. Contractor shall be entitled to compensation for services performed up to the date of termination.

18. CONFIDENTIALITY

No reports, information and/or data given to or prepared or assembled by Contractor under this contract shall be made available to any individual or organization by Contractor without the prior written approval of City. This section shall not apply to information in whatever form that comes into the public domain, nor shall it restrict the Contractor from giving notices required by law or complying with an order to provide information or data when such order is issued by a court, administrative agency or other authority with proper jurisdiction, or if it is reasonably necessary for the Contractor to defend itself from any suit or claim.

19. PUBLICATION RIGHTS / RIGHTS IN DATA

All publication rights in the product produced by Contractor in connection with the work provided for under this contract, whether in preliminary draft or final form, shall be vested in City.

Contractor shall not publish any of the results of the work without the prior written permission of City.

All original written material and other documentation, including background data, documentation and staff work that is preliminary to final reports, originated and prepared for City pursuant to this contract, shall become exclusively the property of City. The ideas, concepts, know-how or techniques relating to data processing development during the course of this contract by Contractor or City personnel, or jointly by Contractor and City personnel, can be used by either party in any way it may deem appropriate.

Material already in Contractor's possession, independently developed by Contractor outside the scope of this contract or rightfully obtained by Contractor from third parties, shall belong

to Contractor. However, Contractor grants to City a non-exclusive, irrevocable and royalty-free license to use such material as it sees fit.

This contract shall not preclude Contractor from developing materials which are competitive, irrespective of their similarity to materials which might be delivered to City pursuant to this contract in developing materials for others, except as provided in this section.

20. ACCESS TO RECORDS

Contractor agrees that City and its authorized representatives shall have access to the books, documents, papers and records of Contractor which are directly pertinent to the specific contract for the purpose of making audit, examination, excerpts and transcripts.

21. ATTORNEY'S FEES

If a suit or action is filed to enforce any of the terms of this contract, the prevailing party shall be entitled to recover from the other party, in addition to costs and disbursements provided by statute, any sum which a court, including any appellate court, may adjudge reasonable as attorney's fees.

22. COMPLIANCE WITH APPLICABLE LAW

Contractor shall comply with all federal, state and local laws and ordinances applicable to the work under this contract, including, without limitation, the provisions of ORS 279.312, 279.314, 279.316, 279.320 and 279.555. Without limiting the generality of the foregoing, Contractor expressly agrees to comply with:

- A. Title VI of the Civil Rights Act of 1964;
- B. Section V of the Rehabilitation Act of 1973;
- C. The Americans with Disabilities Act of 1990 (Pub L No. 101-336), ORS 659.425, and all regulations and administrative rules established pursuant to those laws; and
- D. All other applicable requirements of federal and state civil rights and rehabilitation statutes, rules and regulations.

23. FOREIGN CONTRACTOR

If Contractor is not domiciled in or registered to do business in the state of Oregon,

Contractor shall promptly provide to the Oregon Department of Revenue and the Secretary of State Corporation Division all information required by those agencies relative to this contract. Contractor shall demonstrate its legal capacity to perform these services in the state of Oregon prior to entering into this contract.

24. GOVERNING LAW; JURISDICTION; VENUE

This contract shall be governed and construed in accordance with the laws of the state of Oregon without resort to any jurisdiction's conflict of laws, rules or doctrines. Any claim, action, suit or proceeding (collectively, "the claim") between City (and/or any other agency or department of the state of Oregon) and Contractor that arises from or relates to this contract shall be brought and conducted solely and exclusive within the Circuit Court of Clackamas County for the state of Oregon. Provided, however, if the claim must be brought in a federal forum, then it shall be brought and conducted solely and exclusively within the United States District Court for the District of Oregon. Contractor, by the signature below of its authorized representative, hereby consents to the *in personam* jurisdiction of said courts.

25. FORCE MAJEURE

Neither City nor Contractor shall be held responsible for delay or default caused by fire, riot, epidemics, pandemics, declared states of emergency, closing or reduction of force by the contractors or governmental permit reviewing entities, the enactment of governmental actions which cause delays or limit travel, acts of God, or war where such cause was beyond, respectively, the reasonable control of City or Contractor. Contractor shall, however, make all reasonable efforts to remove or eliminate such a cause of delay or default and shall, upon the cessation of the cause, diligently pursue performance of its obligations under this contract.

26. MERGER CLAUSE

THIS CONTRACT AND ATTACHED EXHIBITS CONSTITUTE THE ENTIRE AGREEMENT BETWEEN THE PARTIES. NO WAIVER, CONSENT, MODIFICATION OR CHANGE OF TERMS OF THIS CONTRACT SHALL BIND EITHER PARTY UNLESS IN WRITING AND SIGNED BY BOTH PARTIES. SUCH WAIVER, CONSENT, MODIFICATION OR CHANGE, IF MADE, SHALL BE EFFECTIVE ONLY IN THE SPECIFIC INSTANCE AND FOR THE SPECIFIC PURPOSE GIVEN. THERE ARE NO UNDERSTANDINGS, AGREEMENTS, OR REPRESENTATIONS, ORAL OR WRITTEN, NOT SPECIFIED HEREIN

REGARDING THIS CONTRACT. CONTRACTOR, BY SIGNATURE OF ITS AUTHORIZED REPRESENTATIVE, HEREBY ACKNOWLEDGES THAT HE/SHE HAS READ THIS CONTRACT, UNDERSTANDS IT, AND AGREES TO BE BOUND BY ITS TERMS AND CONDITIONS.

27. EXECUTION AND COUNTERPARTS

This contract may be executed in several counterparts, each of which shall be an original, all of which shall constitute but one and the same instrument.

CONTRACTOR

Check one:

- Sole Proprietor
- Partnership
- Corporation
- Governmental
- Non-Profit

(Name)

By: _____

Title: _____

Firm Name

Business Address

City/State/Zip

_____, 2022
Date

Individual S.S.N. or
Employer ID #: _____

CITY OF SANDY

By: _____

Jordan Wheeler
City Manager
City of Sandy
39250 Pioneer Blvd.
Sandy, OR 97055

_____, 2022
Date

EXHIBIT A

28 October 2022

Scope of Work - Wastewater Facility Plan Amendment

To: Jennifer Coker, PE (City of Sandy, Public Works Director)

From: Mark Cullington (Kennedy Jenks, Principal in Charge)
Robert Peacock, PE (Kennedy Jenks, Project Manager)

Subject: Wastewater Facilities Plan Amendment
Scope of Work and Fee Estimate
K/J Project Number: 227600x.00

The following is a Scope of Work for completing the City of Sandy's Wastewater Treatment Facilities Plan Amendment. This amendment has been developed based on the following documents:

- i. ***Preparing Wastewater Planning Documents and Environmental Reports for Public Utilities Financed by*** Infrastructure Finance Authority, Oregon Department of Environmental Quality; Business Oregon; Rural Community Assistance Corporation and United States Dept of Agriculture. May 2013.
- ii. ***Wastewater Systems Facilities Plan***, MurraySmith, October 2019.
- iii. ***Request for Qualifications, City of Sandy, Oregon, Wastewater System Facility Plan Amendment***, City of Sandy, June 2022.
- iv. ***City of Sandy Wastewater Treatment Facilities Spare Parts and Repair, Replace, Refurbishment Prioritization Report***, Waterdude Solutions, August 2022.
- v. ***Preliminary Design Evaluation Report: Sandy Wastewater Treatment Plant Condition Assessment Improvements Project***, West Yost, March 2021.
- vi. ***City of Sandy WSFP Detailed Discharge Alternatives Evaluation, Market Potential for Sandy's Recycled Water***, Barney & Worth, May 2020

Background

The City of Sandy (City) wishes to evaluate wastewater treatment alternatives to economically meet the City's goal of accommodating growth. The 2019 Wastewater Systems Facility Plan prepared by MurraySmith (2019 Plan) proposed several complete alternatives that involve a second wastewater treatment plant at a separate location. This project will evaluate three additional treatment alternatives located on the existing wastewater treatment plant site. The proposed scope of work will update the following chapters of the 2019 Plan:

Chapter 1 – Background and Introduction, Summary of Prior Work
Chapter 8 – Existing Wastewater Treatment Plant Evaluation
Chapter 9 – Initial Wastewater Systems Alternatives Evaluation
Chapter 10 – Long Term Wastewater Systems Evaluation
Chapter 11 – Recommended Capital Improvement Program

The goal of this amendment is to provide the City with an affordable WWTP that meets compliance requirements, updates aging infrastructure, and meets reliability criteria as required by the EPA.

The project will be completed in six tasks, as follows:

- Task 1: Project Management and Meetings
- Task 2: Request for Information and Data Review
- Task 3: Treatment Concept Development
- Task 4: Discharge Alternatives Evaluation
- Task 5: Wastewater Treatment Plant Alternatives Evaluation
- Task 6: Prepare Wastewater Facility Plan Amendment

Scope of Work

Task 1: Project Management and Meetings

Kennedy Jenks will develop and implement the appropriate management procedures and actions to facilitate timely and cost-effective delivery of quality service and deliverables to the City of Sandy (City) for the Wastewater Facilities Plan Amendment (Project). This includes project administration related to schedule, budget, and scope management, management of subconsultants, and communication of project activities with the City.

The specific elements of this task include the following: project-setup, monthly invoicing, monthly progress reports, development of project schedule, Project Initiation Plan, Health & Safety Plan, coordination with the City and consultant team, Decision Log management, Concept & Criterion Review meeting, and a project kick-off meeting. Quality Assurance management is included in this task, however, Quality Control (QA/QC) reviews of deliverables will be completed and included as a component under each individual task.

The details of the project management elements are described below.

Task 1.1: Project Set-up, Invoicing, Progress Reports and Sub Agreements

Kennedy Jenks will set-up the project within Kennedy Jenks' accounting system which includes the development of a Project Initiation Plan (PIP). The PIP provides the project details for the entire team to follow including scope, schedule, and budget. A baseline project schedule will be developed as part of the PIP and presented at the Project kick-off meeting. We will also prepare subconsultant agreements. Kennedy Jenks will prepare and electronically submit monthly invoices to the City showing the breakdown of work completed to date by task for each staff, amount spent on the project to date, remaining budget and a summary of work completed for each month.

Task 1.2: Health and Safety Plan

Kennedy Jenks will prepare and implement a Health & Safety Plan for project activities. When Kennedy Jenks or subconsultants visit the site, they will implement the requirements of the Plan. During the Project, we anticipate site visits to coordinate work with City staff, assess facilities, and meet with subconsultants and vendors. The development of the Plan will include those requirements specified by the City and Veolia and detail requirements pertaining to personal protective equipment, illness, or injury response procedures, and signed by all Kennedy Jenks staff who will be onsite.

Task 1.3: Project Coordination

Project coordination will include bi-weekly phone calls with the City's project manager and support staff as requested by the City. We will discuss work progress, schedule, and budget. Additional regular communication with the City's project manager will be done by phone and email to coordinate project activities. The frequency of these calls will be adjusted throughout the Project according to the level of activity. In addition, Kennedy Jenks will regularly communicate with the Project Engineer, project team members, and subconsultants to ensure delivery of the project. This task includes preparation and distribution of minutes, action items, and a Major Decision Log.

Task 1.4: Quality Assurance

This task includes management of Kennedy Jenks' quality control process including technical review of deliverables and identify risk elements and documenting quality reviews.

Task 1.5: Project Kick-off Meeting (In-Person)

The purpose of the Project kick-off meeting is to review the Scope of Work and Project Schedule, discuss the communication plan for coordinating the various elements of the Project, any short-term and long-term goals exclusive to the Scope of Work.

We request representatives from the City's Public Works Staff and Veolia Operations Team attend this meeting for introductions and to review the project scope and schedule. This meeting will be up to 2 hours in length. Kennedy/Jenks will prepare an agenda and graphics for presentation. During this meeting we will discuss the following:

- Project Goals and DEQ MAO
- Surface Water Discharge Strategy
- Recycled Water goals
- Biosolids Management goals
- NPDES Permitting Strategy
- Treatment Plant Upgrade Alternatives
- Budget Limitations
- Field Work

Task 1.6: Workshop 1 - Design Criteria/Treatment Alternatives (Virtual)

Kennedy/Jenks will prepare and lead a design criteria and treatment alternatives workshop. The meeting will be attended by the Project Manager, Project Engineer, and Process Lead. The workshop agenda will cover the following:

- NPDES Permit Requirements/DEQ Goals
- Treatment Plant Issues
- Recycled Water/Iseli Nursery Needs and Goals
- Biosolids Treatment Goals

Task 1.7: Workshop 2 – VE Session 1: Discharge Alternatives (Virtual)

Kennedy/Jenks will prepare and lead a series of Value Engineering (VE) workshops. The first VE will be a planning level session focused on wastewater discharge alternatives for the treatment plant expansion at the existing site. The session will review the concepts, refine, and determine if phasing will allow deferment of capital costs. The VE session will be attended by the Project Manager, Project Engineer, and Value Engineering Lead and Recycled Water Lead.

Task 1.8: Workshop 3 – VE Session 2: WWTP Alternatives (Virtual)

The second VE session will be a planning level session focused on wastewater treatment alternatives at the existing plant site. In preparation for this meeting, three complete treatment plant concepts will be prepared with estimated costs. This session will be somewhat less detailed than a Final Design Value Engineering Session and will function as a brainstorming session to reduce costs for treatment concepts. Costs will be updated for pumping wastewater for treatment at the City of Gresham Wastewater Treatment Plant or Clackamas County Water Environment Services' (WES's) Tri-City Wastewater Treatment Plant. The session will review these concepts, refine, and determine if phasing will allow deferment of capital costs. The VE session will be attended by the Project Manager, Project Engineer, Value Engineering Lead and Process Lead.

Task 1.9: Workshop 4 – Review Draft Wastewater Facility Plan Amendment Meeting (In-Person)

After the draft Facility Plan Amendment has been submitted and the City has an opportunity to review it, we will present the recommendations to the City and foster an open discussion on the City's comments and concerns. We anticipate this will be a 2-hour meeting with Kennedy/Jenks' Project Manager and Project Engineer in attendance.

Task 1.10: Final Presentation of Wastewater Facility Plan Amendment and Recommended Alternative (in person)

The Kennedy/Jenks Team will prepare presentation materials and present the Recommended Alternative and Estimated Probable Cost of Construction to City Council.

Task 1: Assumptions

- Meetings will be conducted virtually using Microsoft Teams unless noted otherwise.
- A 9-month (40 Week) schedule is assumed for the Project.
- The City will make the appropriate staff available for coordination meetings/workshops.

Task 1: Deliverables

- Monthly invoices with project status summaries in (electronic, PDF format).
- Bi-weekly status phone calls.
- Meeting minutes (electronic, PDF Format)

- Major Decision Log (electronic, Microsoft Word and PDF format).
- Draft and final Baseline Project Schedule developed in Microsoft Project (electronic, PDF format).
- Monthly updates of Project Schedule (electronic, PDF format).
- Health & Safety Plan (electronic, PDF format).
- Kick-off meeting agenda (electronic, Microsoft Word and PDF format).
- Kick-off meeting notes (electronic, Microsoft Word and PDF format).
- Workshops 1-4 meeting agenda and notes (electronic, Microsoft Word and PDF format).
- Draft and Final council presentations (electronic, Microsoft Powerpoint).

Task 2: Request for Information and Data Review

Kennedy Jenks will submit up to two (2) formal Requests for Information (RFIs) to obtain the necessary information (e.g., documents, plant data, drawings, CAD files, and GIS files) to complete the Project. We will utilize Kennedy Jenks' Microsoft Teams site for uploading the information and pick-up hard copies of items at the City's wastewater treatment plant (WWTP) or City Hall as needed. We will review all the information provided to us by the City and maintain this information for our work on this Project.

Kennedy Jenks will review existing documents related to WWTP planning and permitting. These include the 2019 Facility Plan Volume 1, the Phase 1 Guaranteed Maximum Price (GMP) Improvements planning and design documents completed by West Yost, the results of WWTP stress testing, updated collection system modeling by Leeway, and associated testing results. Review will also include permitting documents related to the Sandy River discharge alternative by MurraySmith and Parametrix.

Task 2: Assumptions

- Responses to requests for information will be provided in electronic format when possible (Microsoft Word, Excel, or PDF format).
- City and Operations Staff will be responsible for coordinating with DEQ to facilitate the plant stress testing. Kennedy Jenks has not budgeted to observe the testing. Kennedy Jenks will review of the stress testing results and incorporating the findings into the draft Report. The stress test report and collection system modeling are anticipated to be complete by May 2023. Loading conditions will be based on 10.8 MGD max month wet weather flow until collection system modeling can confirm this flow rate.
- Phase 1 GMP Improvement project is constructed and is online – complete by January 2023.

Task 2: Deliverables

- Up to two (2) RFIs (electronic, Microsoft Word format)

Task 3: Treatment Concept Development

Kennedy Jenks will develop three treatment concepts and prepare preliminary design criteria sufficient to develop unit process sizing and cost estimates of the proposed alternatives. This effort will consist of the following tasks:

Task 3.1 Develop Liquid Stream Treatment Concepts

The Kennedy Jenks team will develop three complete treatment alternatives that will discharge to the Sandy River or Class A recycled water when it is permitted and constructed. The treatment alternatives are anticipated to be:

1. Conventional Activated Sludge Process - Expand existing conventional activated sludge process including new headworks/primary treatment, additional aeration basin, additional secondary clarifier, and tertiary filtration.
2. Membrane Bioreactor Process - Add membrane bioreactors to the end of the aeration basins, add aeration basins and membrane tanks as needed. Eliminate existing secondary clarifiers and tertiary filtration.
3. Hybrid Treatment Process – Retain existing conventional activated sludge process with tertiary filtration. Construct a new parallel Membrane Bioreactor Process including an additional aeration basin, membrane tanks, and UV disinfection.

All concepts will be prepared with sufficient detail to prepare preliminary BioWin process models described in Task 3.2. All concepts will include new headworks, UV disinfection (if required based on evaluation of the existing Trojan 4000 system to determine if it will continue to meet level of service goals), and solids treatment improvements.

This task includes updating existing costs for pumping wastewater to an adjacent treatment facility (WES or Gresham). These costs will be compared to the three complete treatment alternatives. Costs for pumping to WES or Gresham will be for pumping, conveyance and published connection charges based on each municipalities current system development charges (SDC) and based on the number of connections required to shed flow during the peak and shoulder seasons.

This task also includes considering detention in a new pump station and equalization basin, or within the existing collection system itself by limited surcharging, to determine the impact on flow and load reduction and sizing for proposed unit operations. A percent reduction in unit operations equivalent to a reduction in flow will be estimated based on hand calculations.

Task 3.2: Liquid Stream Process Modeling

Kennedy Jenks will review the existing computer process models of the liquid stream treatment process using BioWin as prepared by West Yost. The existing model will be used to assess current WWTP activated sludge process with Phase 1 GMP improvements and identify deficiencies in the ability of the WWTP to meet anticipated regulatory requirements. Kennedy Jenks process modeler will build models for the three alternatives listed in Task 3.1 under projected flows and loads to assist in preliminary basin and equipment sizing for the alternatives.

Wastewater characterization will be primarily based on existing WWTP data as analyzed by Parametrix and provided to Kennedy Jenks by the City. Kennedy Jenks will review the existing data analysis and will evaluate 2021 and 2022 influent data for common operating parameters. Desktop calculations will be performed to assess the existing secondary process capacity and the calibrated model will be used to validate the assessment.

Task 3.3: Solids Treatment and Thickening Alternatives

The City currently produces Class B biosolids and has a goal to produce Class A biosolids. Kennedy Jenks will develop and compare alternatives for improvements to address deficiencies

identified with the WWTP's solids stream treatment process and assess each alternative for its ability to meet the Class A goal. Alternatives will be developed to a level appropriate for planning level comparison, development of cost estimates and selection of a recommended alternative. The alternatives that are anticipated to be considered consist of the following:

- Stabilization – 2 alternatives, including improvements to the existing aerobic digester
- Dewatering – 2 alternatives, including improvements to the existing belt filter press
- Biosolids Storage – 2 alternatives, including improvements to the existing building

Alternatives will be specifically selected to address deficiencies identified in condition assessment by others and in our proposed process modeling task.

Life cycle cost estimates will be developed for each alternative and will consider total capital costs (construction and non-construction costs) and long-term operation and maintenance. Estimates for comparison will be AACE Class 4 planning level. The discount rate for present worth calculations will be the “real” discount rate as contained in Appendix C of Office of Management and Budget (OMB) circular A-94.

Task 3: Assumptions

- No site visit is included for condition assessment, Waterdude Solutions report will be used as a basis of assessment.
- The City will provide Biowin models and Technical Memorandum for the existing WWTP prepared by West Yost and DMR data analysis prepared by Parametrix for the current WWTP conditions. We have assumed the model from West Yost will include the improvements currently under construction, and that the data used to prepare the model is recent and representative of current conditions. Assumed to be available by end of October 2022.
- Results of the stress testing conducted by West Yost will be considered in the WWTP alternatives. Upgrades will address processes that are identified to be deficient. Results of the stress tests are assumed to be available by May 2023.
- Additional modeling will be conducted for the existing WWTP to assess process limitations (3 simulations total). Should collection system modeling indicate a max month wet weather flow of less than 10.8 MGD is achievable, we have included contingency to update the modeling and process sizing for the 3 process simulations. Results of collection system model updates are anticipated to be end of May 2023.
- No additional wastewater sampling and analysis is included.
- Desktop calculations will be prepared to develop conceptual design for three liquid stream treatment alternatives. Up to three (3) process simulations will be conducted for each alternative to validate the design and performance under projected flow and loading conditions provided by the City/Leeway.
- Detention volumes provided by the existing collection system or a new equalization basin and pump station will be determined by others. These flows and associated loads will not be modeled using BioWin.

Task 3: Deliverables

- Biowin model graphic outputs (electronic PDF) describing model runs and tabulated results. Biowin native electronic files of existing conditions (if modified) and for three proposed upgrade alternatives described in Task 5.

- Hand calculations demonstrating resulting mass load under various operating conditions (electronic PDF).

Task 4: Discharge Alternatives Evaluation

Two discharge alternatives not considered in the 2019 Facility Plan will be reviewed with a focus on alternatives to the Tickle Creek outfall. Those alternatives include additional storage at Iseli Nursery for additional irrigation or infiltration, and a Deep Creek outfall. These discharge concepts will be compared with the current plan to discharge to the Sandy River. An NPDES permit application is being submitted to DEQ for discharge to the Sandy River for a maximum flow of 7 MGD. Kennedy Jenks will update costs for diversion of 7 MGD to the Sandy River.

The feasibility of a storage pond and groundwater infiltration will be assessed by Shannon and Wilson. Shannon and Wilson's scope of work is included in Attachment A. Kennedy Jenks will subcontract with Environmental Science Associates, Inc. (ESA) to complete the permitting tasks for the Project. ESA's scope of work is included in Attachment A.

Task 4.1: Develop Storage and Infiltration Concept

Iseli Nursery is interested in building another impoundment to hold more recycled water for irrigation and expanding the nursery. Shannon and Wilson will review topography and conduct a geotechnical investigation to determine feasibility of building an impoundment. Recommendations on subgrade preparation and conceptual embankment slope geometry will be provided to assist in development of the storage pond concept and an understanding of earthwork quantities to prepare planning level cost estimates.

Shannon and Wilson's hydrogeologist will review the critical groundwater area around Iseli Nursery and communicate with Oregon Water Resources Department (OWRD) to determine if the agency would favorably view infiltration of recycled water in/around the nursery to contribute to groundwater recharge. Shannon and Wilson will complete two pilot test pits to conduct infiltration tests. The Shannon & Wilson team will prepare a feasibility assessment report providing preliminary estimates of infiltration rates.

Task 4.2: Assess Feasibility of Deep Creek Outfall

Kennedy Jenks will communicate with Oregon DEQ to determine the likelihood that the City's next NPDES permit could be written with a receiving stream flow-based permit. This could allow discharge to Deep Creek (whose flowrate is greater than Tickle Creek) during the shoulder seasons when the City currently has difficulty managing recycled water storage at Iseli Nursery.

ESA will assess the potential for obtaining Section 404 Corps permit, Section 401 Water Quality Certification from DEQ, and a Removal/Fill permit from Oregon Department of State Lands (DSL). The outcome of ESA's effort will be used to determine if the construction of a Deep Creek discharge can be permitted.

Task 5: Wastewater Treatment Alternatives Evaluation

Kennedy Jenks will determine key planning parameters to identify limitations with existing wastewater facilities and to establish a baseline for comparison of improvement alternatives. The three alternatives for secondary process involvements developed in Task 3 will be screened based on the evaluation criteria and the results of BioWin modeling. The Gresham and WES discharge alternatives and collection system storage/equalization alternative will be ranked using the same criteria.

A 20-year lifecycle cost will be prepared for the combined WWTP upgrades/discharge alternatives and compared with the recommended alternative in the 2019 Plan. This effort will consist of the following tasks:

Task 5.1: Treatment Alternatives Evaluation Criteria

Kennedy Jenks will develop a matrix of economic and non-economic criteria and goals for WWTP alternatives in coordination with City input that will be used to assess and rank potential improvement alternatives to address deficiencies identified in the liquid and solids process treatment streams. Each criterion will be weighted (e.g., costs and permit compliance having a higher weight). These criteria, for example, may include the following: cost, permit compliance, ease of regulatory permitting, operations & maintenance/space requirements, and plant staffing (e.g., required operator certification).

Task 5.2: Treatment Alternatives Analysis

Kennedy Jenks, in collaboration with the City, will conduct an initial screening analysis of three liquid stream treatment alternatives for WWTP upgrades and the Gresham and WES pumped alternatives and the collection system storage/equalization alternative. The goal of the screening analysis is to determine if effluent mass loads can be achieved at future flow of 10.8 MGD and still comply with the limitations of 3 Basin Rule. A secondary goal is to determine if the existing WWTP site will meet space requirements for future improvements.

Task 5.3: Complete Alternatives Evaluation

Kennedy Jenks will develop and compare three complete alternatives, including liquid stream, solids stream, and discharge alternatives. These alternatives will consist of the following:

- Headworks/Primary Treatment
- Secondary treatment
- Tertiary treatment
- Disinfection
- Effluent Pumping
- Digestion/Solids Handling

The treatment plant alternatives will be compared with a non-discharge alternative: pumping and treatment by the City of Gresham's wastewater treatment plant. The goal upon completion of this evaluation will be to select the top two "complete" alternatives.

The alternatives selection matrix developed under Task 5.1 Alternatives Evaluation Criteria will be used for this comparison. Alternatives will be specifically selected to address deficiencies identified during the earlier condition assessment, and process modeling tasks. Based on the results of the alternatives analysis, the top two "complete" treatment alternatives will be optimized in a VE session described in Task 1.8 (Workshop 3). The selected alternative will be compared to the recommended 2019 Facility Plan alternative.

Task 5.4: Cost Estimates

Capital and Life Cycle cost estimates will be developed for the selected alternative following the VE session in Task 1.8 and will consider costs for initial construction and long-term operation and maintenance. Life Cycle Costs will be compared with the MBR satellite treatment plant alternative identified in the 2019 Facility Plan to account for rapid cost escalation through 2022. The 2019 costs for the MBR satellite plant have been updated to current costs using a

construction cost index by the City. Estimates for comparison will be AACE Class 3 predesign level, in comparison to the Class 4 estimates typically used at the planning level, thus enabling the City to develop a more accurate capital improvement plan. Costs will be projected from present to future value to assist the City in budgeting capital improvements.

Task 5: Assumptions

- Process capacity assessments will be based on operation within typical and recommended design ranges.
- Kennedy Jenks will conduct one initial alternatives screening review meeting (Workshop 1) and one value engineering session (Workshop 3) with City staff to review and seek comments on the evaluation of liquid and solids stream improvement alternatives. These workshops are included in Task 1.
- Sizing of treatment alternatives will be made for a design MMWWF of 10.8 MGD. Processes concepts will include hydraulic capacity to pass the Peak Instantaneous Flowrate.
- Permitting evaluation associated with a Sandy River discharge is provided by others.
- The City will provide Kennedy Jenks consolidated review comments of the draft Report chapter associated with this task.
- Permits for discharge alternatives are not included and will be obtained under a separate scope of work.
- We will consider the results of Stress Testing of the WWTP conducted by the City in evaluation of the complete alternatives. If Stress Testing results are delayed, this could affect the Facility Plan Amendment schedule. Results of the stress tests are assumed to be available by May 2023.

Task 5: Deliverables

- Initial screening analysis of potential improvement alternatives for the liquid and solids treatment streams (electronic, Microsoft Word and PDF format).
- 20-year lifecycle cost estimate for alternatives (electronic, Microsoft Excel and PDF format).
- Updated 20-year lifecycle cost estimate for the preferred alternative and updated costs for the MBR satellite plant (electronic, Microsoft Excel and PDF format).
- Kennedy Jenks will develop a schematic design on the preferred alternative for the liquid and solids treatment streams. Plans will be provided in electronic PDF format.
- Draft sections pertaining to the liquid and solids treatment alternatives to be included in the draft and final Report. The draft versions of these sections will be provided for review and comment by City staff (electronic, Microsoft Word and PDF format).
- Figures will be prepared to develop conceptual designs for the two discharge alternatives (electronic, GIS and PDF format). Schematics for the Sandy River Discharge will be included from prior reports.
- Water balances showing effluent storage and discharge rates (electronic, Microsoft Excel and PDF format).
- Draft sections pertaining to the discharge alternatives to be included in the draft and final Report. The draft versions of these sections will be provided for review and comment by City staff (electronic, Microsoft Word and PDF format).

Task 6: Prepare Wastewater Facilities Plan Amendment

Kennedy Jenks will prepare the Wastewater Facilities Plan Amendment (Report) in this Task. Kennedy Jenks will assemble work completed during prior tasks (Tasks 2 through 5) into the Report to be submitted in accordance with DEQ requirements contained in their guidance document on the Preparation of Wastewater Planning Documents and Environmental Reports for Public Agencies. The Report will include reevaluation and rewrite of the following sections from MurraySmith's 2019 Facility Plan Report:

- Chapter 1 – Background and Introduction, Summary of Prior Work
- Chapter 8 – Existing Wastewater Treatment Plant Evaluation
- Chapter 9 – Initial Wastewater Systems Alternatives Evaluation
- Chapter 10 – Long term Wastewater Treatment Alternatives Evaluation
- Chapter 11 – Recommended Capital Improvements Program

If the results of stress testing at the existing plant indicates a significant change in unit process capacities, this Phase will include revisions to the Report to incorporate the changes.

Task 6.1: Wastewater System Financial Expenditure Plan

Kennedy Jenks will provide a summary of the financial analysis on Project Funding based on the City's current funding sources. This will include estimated capital cost expenditures for the improvements and estimated expenditure schedule for the recommended project(s) and annual operating budget for the City's wastewater system. Information on system income including any proposed changes to the City's rate schedule, annual operations and maintenance costs including those associated with recommended system improvements, debt service, and required reserves will be provided by FCS Group, Inc under separate contract with the City.

Task 6.2: First Draft Report

Kennedy Jenks will develop a first draft Report which includes Chapters 8, 9, 10 and 11 of the Wastewater Facilities Plan. This Report will be provided to the City for review and comment. Kennedy Jenks will conduct a meeting to review comments from the City on the draft Report as summarized in Task 1.

Task 6.3: Second Draft Report

Kennedy Jenks will develop a second draft Report incorporating review comments received from the City. The second draft Report will be produced and provided to the City to submit to the DEQ and other funding agencies as required.

Task 6.4: Final Report

Kennedy Jenks will respond to, and address comments received from the DEQ after their review of the second draft Report. We will produce a final Report including changes resulting from the DEQ comments.

Task 6: Assumptions

- The City will provide Kennedy Jenks consolidated review comments on the draft Report (electronic, Microsoft Word or PDF format).
- The final Report will be signed and sealed by a Professional Engineer in the State of Oregon.

- A customer “rate study” is not included as part of the financial analysis. Kennedy Jenks will provide capital cost estimates to FCS Group, Inc. FCS Group, Inc. or others are responsible for debt service and other financial planning analysis.
- The City will submit the final Report to the DEQ for review and comment.
- Effort budgeted for production of the final Report is based on receiving limited comments from the DEQ. A total of 60 hours of professional effort has been budgeted to produce the final Report.
- DEQ Report review fees will be paid by the City.

Task 6: Deliverables

- A first draft Report will be provided for review and comment by the City (electronic, Microsoft Word and PDF format).
- Kennedy Jenks will conduct a virtual meeting to discuss comments from the City on the draft report (Task 1.9).
- A second draft Report will be provided incorporating review comments received from the City. This report will be shared with the City Council and submitted by the City to DEQ for review and comment (electronic, PDF format). Kennedy Jenks will present the findings of the report to City Council in person (Task 1.10).
- A final Report will be provided after receiving input and feedback from DEQ with concurrence from the City (electronic, PDF format).

Schedule

The preliminary schedule and milestones included in Attachment B are proposed for this effort and assumes Kennedy Jenks receives notice to proceed by 8 November 2022.

Budget

We propose to perform this Scope of Services on a time and material basis Not-to-Exceed (NTE) \$502,841. The NTE amount will not be exceeded unless approved by the City in writing. The detailed proposed budget utilizing the Schedule of Charges (Attachment C) may be found in Attachment D.

Authorization

This project will utilize the Agreement between Kennedy Jenks and the City dated 8 November 2022. We appreciate the opportunity to submit this proposal to the City of Sandy. If you have any questions, please call me at (503) 423-4019 or by email at RobertPeacock@KennedyJenks.com.

Very truly yours,
KENNEDY JENKS CONSULTANTS, INC.



Mark Cullington
Principal In Charge



Robert Peacock, PE
Project Manager

Attachments:

Attachment A:

Environmental Science Associates Proposal
Shannon and Wilson, Inc. Proposal

Attachment B:

Facility Plan Amendment Schedule Summary

Attachment C:

Schedule of Charges

Attachment D:

Project Budget

Attachment A

Environmental Science Associates Proposal

Shannon and Wilson, Inc. Proposal

ENVIRONMENTAL PERMITTING SUPPORT ESA ASSOCIATES

Task 1 – Permitting Support Services

Site assessment and permitting services are requested for Option 1 of the City of Sandy Wastewater Treatment System Plan Amendment. To accommodate a growing population, the City is exploring options for expanding effluent storage in a natural depression at Iseli Nursery located at 30590 SE Kelso Road, Boring, Oregon and for constructing a new outfall on Deep Creek, just downstream of the confluence with Tickle Creek. The City currently discharges treated effluent to Tickle Creek but is limited to releasing effluent between November 1 and April 30.

The land at Iseli Nursery overlaps with the Sandy-Boring Groundwater Limited Area and may be subject to additional permitting and review depending on the depth of the proposed storage ponds. To determine the feasibility of constructing a new wastewater pipe from the proposed effluent storage ponds, a desktop analysis would be conducted to review the potential for regulated waters and buffers overlapping with the project alignment, which would influence the types of permitting needed.

The subtasks described below are intended to identify the feasibility and schedule of the environmental permits that would be needed to construct new effluent storage ponds, a new wastewater pipe, and new outfall to Deep Creek.

Subtask 1.1 – Field Delineation and Memo

Wetland and Stream Field Investigation

ESA will delineate jurisdictional waters (wetlands and streams) in the project area and document findings in a technical memo. ESA will use the methods defined in the 2010 Western Mountains, Valleys, and Coast Regional Supplement to the U.S. Army Corps of Engineers (Corps) 1987 Wetlands Delineation Manual to determine the presence and extent of wetlands in the project area, including the regulatory implications of existing water resources. At least one set of paired plots will be established at Iseli Nursery and along the road right-of-way to document the presence of potentially regulated waters. The ordinary high water of streams and/or centerline of smaller waterways will be recorded with GPS.

Existing Conditions Memo and Permit Feasibility

ESA will prepare a memo to document the results of the field investigation. The purpose of this memo is to provide existing conditions information and likely regulatory implications associated with constructing effluent storage ponds and a wastewater pipe to Deep Creek to inform site planning. Local riparian regulations will be discussed as well as the State Removal-Fill Law and Section 404 of the Clean Water Act. Potential mitigation and schedule for permit issuance will be included.

Deliverables:

- Wetland and stream sketch map and GPS data for wetland resources in storage pond area (to be used for professional land survey).
- Draft Existing Conditions Memo and Permit Feasibility (provided electronically in MSWord format), including a map of potential jurisdictional waters.
- Draft Existing Conditions Memo and Permit Feasibility (provided electronically in Adobe PDF format) includes edits based on one round of review comments by the City of Sandy.

Assumptions:

- Field work can be completed by 2 biologists within one day.
- ESA will delineate wetlands and waterways at a portion of Iseli Nursery, not to exceed 10 acres. No more than 4 resources (wetlands or streams) are anticipated to be encountered.

- A formal wetland delineation report for submittal to DSL/Corps is not required at this phase, but could be included for additional scope and fee.

Subtask 1.2 – Environmental/Cross-Cutter Review

ESA will review environmental subject areas and federal “cross cutter” requirements typically covered in National Environmental Policy Act (NEPA) documents for the two discharge alternatives considered in this evaluation, in anticipation of WIFIA funding agency review requirements. This planning-level review will cover subject areas including historic/cultural properties, wetlands/waters, farmland, flooding, endangered and threatened species, air quality, water quality, and land use compatibility. ESA will incorporate information developed for specific subject areas as part of Task 1.1 into this broader review.

ESA will document the review in a technical memorandum that summarizes for each subject area the existing conditions in the project area, the anticipated impacts of the project, and the federal, state, and local agency approvals/consultations that are expected to be needed.

Deliverables:

- Draft and Final Environmental Review Technical Memorandum

Assumptions:

- The purpose of this review is to identify key environmental considerations and agency approvals/consultation requirements needed for each of the discharge alternatives. Completing cross-cutter consultations with outside agencies is not included in this phase.
- Historic/cultural resource considerations will be informed by reviews of existing databases and previously completed studies. Archaeological field work is not included in this scope.

ESA
 Budget Proposal
 Version: 3

Project No.:
 Project Title: City of Sandy WWSFPA
 Client: K/J and City of Sandy
 Budget Total: \$17,789

Project Manager: SCH
 Contract No.:
 Location: Sandy, Oregon

September 30, 2022

	SC		SH/JV		LJ		Expenses:			Totals	
	Project Director 245.00	PM/ Sr Scientist 168.00	Cult. Res. Sp. 155.00	Biologist 145.00	Graphics/ GIS 120.00	Admin. Assist 120.00	Units	Rate	Cost	Hours	Cost
1.1 Wetland Delineation and Memo											
<i>Field delineation</i>		10		12	4					26	\$3,900
<i>Tech memo</i>	2	6		16	16	2				42	\$5,978
1.2 Environmental/Cross-Cutter Review and Memo	2	16	8	18	4	2				50	\$7,748
Subtotal Hours	4	32	8	46	24	4				118	\$17,626
Reimbursable Expenses:											
Mileage							100	\$0.63	\$63		\$63
GPS							1	\$100	\$100		\$100
Subtotal Reimbursables											\$163
Project Total											\$17,789

City of Sandy Wastewater System Facilities Plan Amendment

The City of Sandy is executing a large program to upgrade their wastewater collection and treatment facilities. The program, branded as the Clean Waters Program, will increase the protection of receiving stream water quality while planning for a growing community. The Wastewater Facility Plan, prepared by MurraySmith, was adopted in 2019. The Facility Plan recommended a program that included four phases of expansion -Phase 1A (ongoing), Phase 1B, Phase 2 and Phase 3, which centered upon obtaining a second outfall on the Sandy River (or alternative discharge) and constructing a second wastewater treatment plant – a satellite MBR facility.

The City is currently facing the following challenges with their Wastewater Facilities:

- Current facilities are nearing capacity and must expand to accommodate growth - Regulatory restrictions
- The current discharge into Tickle Creek is limited by the Three Basin Rule
- The City's National Pollution Discharge Elimination System (NPDES) Permit only allows discharge into receiving streams from November 1 to April 30
- The City doesn't have a permitted alternative discharge
 - The existing infrastructure is aging
 - Cost escalation has impacted infrastructure project affordability

The City began implementing Phase1A in 2019, with improvements made to the collection system and immediate need improvements at the existing wastewater treatment plant (WWTP). The WWTP construction project is anticipated to be complete in December 2022 followed by a stress test to establish re-rated treatment plant capacity. Collection system rehabilitation of basins 6 and 7 (not originally in the facility plan recommendation) will complete construction in winter of 2023. Rehabilitation of collection system basins 2 and 8 has been completed. The City will submit an NPDES permit application for a new outfall on the Sandy River in summer of 2022, although the outcome of the permit approval is unknown, and the timing of constructing the new outfall, if approved, is likely further out than initially conceptualized in the facility plan.

As the City began implementing Phase 1A, it began experiencing unexpected project cost increases. A reassessment of the future program estimates for Phase 1B (construction of the Satellite MBR Facility and

new outfall system) revealed the budget is no longer an affordable option for the City to complete as currently conceptualized.

As a result of the affordability concerns, and schedule concerns of when an alternative discharge could be completed, the City is looking for a consulting engineering firm to prepare a facility plan amendment with a revised capital improvement plan (CIP) for near-term and long-term wastewater system solutions. The facility plan amendment needs to determine if a more economical compliance solution is available than building the satellite treatment plant. In addition, the City desires the facility plan amendment to address compliance issues during the shoulder seasons of May and October, when discharge to Tickle Creek is prohibited, and irrigation is not needed and storage ponds are full. The plan will also address how the City can stay in compliance with upgrades to the existing treatment plant while building the long term effluent discharge solution in a 5 -10 year timeframe– either a Sandy River Outfall or alternative discharge. The City of Sandy has retained Kennedy Jenks to amend the Wastewater System Facilities Plan. As a subconsultant to Kennedy Jenks, Shannon & Wilson will perform a planning level evaluation of the geotechnical and hydrogeologic feasibility of the options related to various treatment and conveyance alternatives.

Two discharge alternatives not considered in the 2019 Facility Plan will be reviewed with a focus on permit compliance and geotechnical feasibility. Alternative 1 consists of an assessment of additional storage at Iseli Nursery (Iseli) coupled with subsurface discharge. Alternative 2: A Deep Creek outfall at the confluence of Deep Creek and Tickle Creek supplemented by storage of recycled water at Iseli. The feasibility of subsurface injection, the geotechnical feasibility for transmission main routing and subgrade improvements for WWTP upgrades will be assessed by Shannon and Wilson. Our scope of services is included below:

Geotechnical Considerations

A senior hydrogeologist and a senior engineer from Shannon and Wilson will review the critical groundwater area around Iseli Nursery for Alternative 1. Shannon & Wilson will review the existing hydrogeologic data, regulatory requirements and request a meeting with the Oregon Water Resources Department (OWRD) to determine the anticipated regulatory response and if the Oregon Water Resources Department (OWRD) is likely to look favorably on infiltration of recycled water in or around the nursery to contribute to groundwater recharge. Shannon & Wilson would complete two pilot infiltration tests test pits to measure the infiltration rate and prepare an infiltration feasibility assessment report.

Task 1 - Iseli Nursery is interested in building another impoundment to hold more recycled water for irrigation. Shannon and Wilson will provide a site reconnaissance and review topography, soil, and collect field samples to determine feasibility of building a lined impoundment (or unlined if infiltration is allowed). Recommendations on subgrade preparation and conceptual embankment slope geometry will be

provided to Kennedy Jenks to assist their estimate and understanding of earthwork quantities so Kennedy Jenks can prepare planning level cost estimates.

Task 2 - Shannon and Wilson will determine the geotechnical feasibility of running a new outfall pipeline to Deep Creek by assessing up to two potential routes and depths determined by Kennedy Jenks. Shannon and Wilson will conduct a desktop study to identify geotechnical issues related to trench excavation as well as the geotechnical feasibility of trenchless crossing at Tickle Creek or Deep Creek based on existing information, including planning level shoring and dewatering requirements, and planning level suitable trenchless technologies. Kennedy Jenks will use these recommendations to determine boring geometry and entry and exit points within available rights of way or private easements for trenchless crossings for both alternatives. Shannon & Wilson will review readily available geologic maps, well logs, existing nearby borings available from the City, County, or State as well as our own internal database that will form the basis for our conceptual alternatives assessment. We will plot the proposed pipeline alignments on slope hazard maps to identify the proximity of the proposed alignments to mapped slope hazards.

Task 3 - Shannon and Wilson will review available data from the City on the treatment plant site and make preliminary recommendations for structure foundations and include a discussion of seismic considerations. Kennedy Jenks will use these recommendations to site new structures and prepare planning level costs.

Assumptions:

- Shannon & Wilson will mark the proposed infiltration test pit locations and call in a one-call utility locate. The City will locate the utilities. A private utility locator will also be retained as a secondary measure to locate conductible utilities prior to performing test pits. Any pot-holing with use of Vac-Ex or other methods to resolve/confirm location of existing utilities in not included.
- Each Test Pit for pilot testing would be completed in one day (two days total for both tests).
- Site access and right of entry will be provided by others.
- Contaminated soils will not be encountered, and test pits can be backfilled with excavation spoils with minimal compactive effort.
- No new geotechnical explorations are proposed along the proposed pipeline or at the treatment plant under the existing scope and fee. Existing information including geologic maps, well logs, available borings from the City, County, State and S&W's own internal data base will be used to evaluate the foundation alternatives at the treatment plant and geotechnical considerations along the pipeline routes. The relative certainty or uncertainty of geotechnical assessments will depend on the quality and proximity of the data that is available.
- No detailed slope stability analysis is included in the scope and fee. If a significant geologic hazard is identified during the routing studies additional study may be required to further investigate feasible slope stability mitigations.

Deliverables:

Shannon & Wilson will prepare a draft memo that discusses geotechnical and hydrogeologic considerations for for Alternative 1 and Alternative 2, and for improvements at the treatment plant. Alternatively, if there is a schedule benefit to advancing each of the alternatives independently, we can prepare separate technical memo's for each project alternative and the treatment plant as described below.

- Draft and Final Tech Memo for Alternative 1 Geotechnical and Hydrogeologic Considerations (Assessment of additional Storage at Iseli Mursery coupled with subsurface discharge)
- Draft and Final Tech Memo for Alternative 2 (Deep Creek Outfall supplemented by storage of recycled water at Iseli)
- Draft and Final Tech Memo for WWTP

BUDGET AND SCHEDULE

Our estimated fee for labor and expenses for the above scope of services is \$33,913. A breakdown of labor and expenses is included in the attached Table 1, Estimated Cost of Services Breakdown. Infiltration testing can be scheduled as soon as we have notice to proceed. At this time, we anticipate equipment and personnel can be available approximately 2 to 3 weeks from notice to proceed. Our draft report will be available within approximately 3 to 4 weeks of field work being performed. Work performed through the end of 2022 can be performed on a time and materials basis in accordance with our Standard 2022 Rates and mutually acceptable terms and conditions. If the work extends into 2023 our Standard 2022 rates will be adjusted for inflation and the remaining work will be performed under 2023 rates.

TABLE 1: ESTIMATED COST OF SERVICES BREAKDOWN

Sandy WWTP Facility Plan Ammendment Kennedy Jenks 109908														Attn: Shawn Spargo				August 17, 2022 Shannon & Wilson, Inc. Prepared by ECM											
TASK	VP	Sr. Assoc.	Assoc.	Sr. Prof. III	Sr. Prof. II	Sr. Prof. I	Prof. IV	Prof. III	Prof. II	Sr. Office Svcs	Office Svcs IV	Office Svcs III	Office Svcs II	TOTAL HOURS	TOTAL LABOR	TOTAL DIRECT COSTS	TOTAL TASK AMOUNT												
1	Alt 1 Geotechnical and Hydrogeologic Support			38			42			3			1	84	\$14,700	\$5,428.13	\$20,128												
		\$8,550					\$5,670			\$390			\$90																
2	Alt 2 Geotechnical Support			16	24	8				3	2			53	\$9,570	\$34.38	\$9,604												
		\$3,600		\$4,200		\$1,160				\$390	\$220																		
3	WWTP Conceptual Recommendations			4	16					3			1	24	\$4,180		\$4,180												
		\$900		\$2,800						\$390			\$90																
TOTALS																													
TOTAL HOURS														58	40	8	42	9	2	2									
AVERAGE HOURLY RATES														\$245	\$225	\$195	\$175	\$160	\$145	\$135	\$125	\$110	\$130	\$110	\$100	\$90			
TOTAL LABOR ESTIMATE															\$13,050		\$7,000		\$1,160	\$5,670			\$1,170	\$220		\$180	161	\$28,450	\$5,463
															TOTAL ESTIMATED FEES AND LABOR			\$33,913											

DIRECT COSTS (ODC) BY TASK	1	2	3	4	5	6	7	8	9	10	TOTAL
Travel: Vehicles & Per Diem	103.13	34.38									137.50
Office: Reproduction & Software Usages											
Drilling	4,400.00										4,400.00
Subcontractors Traffic Control & Utility Check	385.00										385.00
Field Equipment Rentals	80.00										80.00
Laboratory Testing	460.00										460.00
Total	5,428.13	34.38									5,462.50

Attachment B

Preliminary Project Schedule Summary

City of Sandy
Facility Plan Update Schedule Summary

ID	Task Name	Duration	Start	Finish	Predecessor	Nov '22	Dec '22	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Jun '23	Jul '23	Aug '23	Sep '23	Oct '23
1	Council Authorization	0 days	Mon 11/7/22	Mon 11/7/22		◆ 11/7											
2	Consultant NTP	2 days	Mon 11/7/22	Tue 11/8/22	1												
3	Plant Stress Testing	20 days	Tue 1/17/23	Mon 2/13/23													
4	Revise Collection System Model	0 days	Wed 5/31/23	Wed 5/31/23									◆ 5/31				
5	Prepare Stress Test Report	55 days	Tue 2/14/23	Mon 5/1/23	3												
6	DEQ Reviews Plant Capacity Rating	40 days	Tue 5/2/23	Mon 6/26/23	5												
7	Facility Plan Amendment	234 days	Wed 11/9/22	Mon 10/2/23													
8	Request for information	10 days	Wed 11/9/22	Tue 11/22/22													
9	Internal Kickoff - Review Background Docs	10 days	Wed 11/23/22	Tue 12/6/22	8												
10	Kickoff Meeting with City	0 days	Wed 12/7/22	Wed 12/7/22	9	◆ 12/7											
11	Develop Treatment and Discharge Concepts	20 days	Wed 12/7/22	Tue 1/3/23	11												
12	Process Modeling	10 days	Wed 1/4/23	Tue 1/17/23	11												
13	Workshop 1 - Design Criteria/Treatment Alternatives Review	1 day	Wed 1/18/23	Wed 1/18/23	11,12												
14	Prepare Cost Estimates for Discharge Alternatives	15 days	Thu 1/19/23	Wed 2/8/23	13												
15	Workshop 2 - VE Session 1 - Discharge Alternatives	1 day	Thu 2/9/23	Thu 2/9/23	14												
16	Prepare Cost Estimates for Wastewater Treatment Alternatives	15 days	Fri 2/10/23	Thu 3/2/23	15												
17	Workshop 3 - VE Session 2 - WWTP Upgrades	1 day	Fri 3/3/23	Fri 3/3/23	16												
18	Prepare Draft Facility Plan Amendment	90 days	Wed 4/5/23	Tue 8/8/23	17,19												
19	Revise Modeling and Cost based on Updated CS model	10 days	Wed 5/31/23	Tue 6/13/23	4												
20	Submit Draft FP Amendment to City	0 days	Tue 8/8/23	Tue 8/8/23	18,19												◆ 8/8
21	Workshop 4 - Review Draft FP Amendment Comments	1 day	Wed 8/9/23	Wed 8/9/23	20												
22	DEQ Review FP Amendment	20 days	Thu 8/10/23	Wed 9/6/23	21												
23	Submit Final FP Amendment	10 days	Thu 9/7/23	Wed 9/20/23	22												
24	City Adopts Plan Amendment	8 days	Thu 9/21/23	Mon 10/2/23	23												

Project: D1_4_schedule_022321
Date: Sun 10/30/22

Task		External Tasks		Manual Task		Finish-only	
Split		External Milestone		Duration-only		Deadline	
Milestone		Inactive Task		Manual Summary Rollup		Progress	
Summary		Inactive Milestone		Manual Summary		Manual Progress	
Project Summary		Inactive Summary		Start-only			

Attachment C

Schedule of Charges

Client/Address: City of Sandy
 39250 Pioneer Boulevard
 Sandy, OR 97055

Proposal Date: October 27, 2022

Schedule of Charges

Date: August 17, 2022

PERSONNEL COMPENSATION

Classification	Hourly Rate
Engineer-Scientist-Specialist 1.....	\$130
Engineer-Scientist-Specialist 2.....	\$140
Engineer-Scientist-Specialist 3.....	\$155
Engineer-Scientist-Specialist 4.....	\$175
Engineer-Scientist-Specialist 5.....	\$195
Engineer-Scientist-Specialist 6.....	\$210
Engineer-Scientist-Specialist 7.....	\$230
Engineer-Scientist-Specialist 8.....	\$250
Engineer-Scientist-Specialist 9.....	\$250
CAD-Technician	\$135
Senior CAD-Technician	\$145
CAD-Designer	\$150
Senior CAD-Designer	\$160
Project Administrator	\$130
Administrative Assistant.....	\$115
Aide.....	\$90

In addition to the above Hourly Rates, an APC charge of \$5.00 per hour will be added to Personnel Compensation for costs supporting projects including telecommunications, software, information technology, internal photocopying, shipping, and other support activity costs related to the support of projects.

Direct Expenses

Reimbursement for direct expenses, as listed below, incurred in connection with the work, will be at cost plus five percent for items such as:

- a. Maps, photographs, 3rd party reproductions, 3rd party printing, equipment rental, and special supplies related to the work.
- b. Consultants, soils engineers, surveyors, contractors, and other outside services.
- c. Rented vehicles, local public transportation and taxis, travel and subsistence.
- d. Project specific telecommunications and delivery charges.
- e. Special fees, insurance, permits, and licenses applicable to the work.
- f. Outside computer processing, computation, and proprietary programs purchased for the work.

Reimbursement for vehicles used in connection with the work will be at the federally approved mileage rates or at a negotiated monthly rate.

If prevailing wage rates apply, the above billing rates will be adjusted as appropriate.

Overtime for non-exempt employees will be billed at one and a half times the Hourly Rates specified above.

Rates for professional staff for legal proceedings or as expert witnesses will be at rates one and one-half times the Hourly Rates specified above.

Excise and gross receipts taxes, if any, will be added as a direct expense.

The foregoing Schedule of Charges is incorporated into the agreement for the services provided, effective 17 August 2022 through 17 August 2023. After 17 August 2023, invoices will reflect the Schedule of Charges currently in effect.

Attachment D

Project Budget

Proposal Fee Estimate

Kennedy/Jenks Consultants

Client Name: City of Sandy
 Project Description: Wastewater Facilities Plan Amendment
 KJ Project Number: 227600X.00 Date: 10/27/2022

Project Schedule: 40 Weeks

Classification:	Project Initiation Plan & VE (Wajz & Wojciak) (E8)	PIC (Cullington) (E8)	QA/QC (Humm) (E7)	Project Engineer (Spargo) (E6)	Solids QC (Werner) (E6)	Project Manager (Peacock) (E6)	Recycled Water (Stoll) (E7)	Model QA/QC (Seymour) (E7)	Process Modelling (Kim) (E6)	Structural (Salter) (E5)	Electrical (Hoepfl) (E5)	Cost Estimating (Hoffman) (E6)	Biosolids (Mesick) (E5)	H&S Plan (Jindra) (E4)	Engineering Staff (Otero) (E4)	Senior CAD Designer	Project Admin. (Flury)	Total	KJ Labor Fees	KJ Applied Project Cost \$/hr	Sub Permitting (ESA) Fees	Sub Geotech (Shannon and Wilson) Fees	KJ Sub-Markup 5%	KJ ODCs Fees	Total Labor	Total Subs	Total Expenses	Total Labor + Subs + Expenses Fees	
Hourly Rate:	\$250	\$250	\$230	\$210	\$210	\$210	\$230	\$230	\$195	\$195	\$210	\$210	\$195	\$175	\$175	\$160	\$130	Hours	Fees	\$/hr	Fees	Fees	5%	Fees				Fees	
Task 01: Project Management																													
1.1: Project Set-up, Invoicing, Progress Reports and Sub Agreements	4	12	12	12		8											18	66	\$13,300	\$330			\$0	\$350	\$13,630	\$0	\$350	\$13,980	
1.2: Health and Safety Plan		2	2											2				6	\$1,310	\$30			\$0		\$1,340	\$0	\$0	\$1,340	
1.3: Project Coordination		20	4	40		120												184	\$39,520	\$920			\$0		\$40,440	\$0	\$0	\$40,440	
1.4: Quality Assurance				4		4		2										10	\$2,140	\$50			\$0		\$2,190	\$0	\$0	\$2,190	
1.5: Project Kick-off Meeting (external and internal) - In-Person		4	2	8	2	8	2	2	2			2	2		4		2	40	\$8,320	\$200			\$0		\$8,520	\$0	\$0	\$8,520	
1.6: Workshop 1 - Design Criteria/Treatment Alternatives Virtual		2		2		4	2						2		4			16	\$3,310	\$80			\$0		\$3,390	\$0	\$0	\$3,390	
1.7: Workshop 2 – VE Session 1: Discharge Alternatives - Virtual	8		4	4		4	4								4			28	\$6,220	\$140			\$0		\$6,360	\$0	\$0	\$6,360	
1.8: Workshop 3 – VE Session 2: WWTP Alternatives - Virtual	8		4	4	2	4		4							4			30	\$6,640	\$150			\$0		\$6,790	\$0	\$0	\$6,790	
1.9: Workshop 4 - Review Draft Wastewater Facility Plan Amendment - In-Person				8		8									4			20	\$4,060	\$100			\$0		\$4,160	\$0	\$0	\$4,160	
1.10: Final Presentation of Wastewater Facility Plan Amendment - In-Person		1		6		6									4		2	19	\$3,730	\$95			\$0	\$200	\$3,825	\$0	\$200	\$4,025	
Task 1 - Subtotal	20	41	28	88	4	166	8	8	2	0	0	2	4	2	24	0	22	419	\$88,550	\$2,095	\$0	\$0	\$0	\$350	\$86,120	\$0	\$350	\$86,470	
Task 02: Request for Information																													
RFI (Requests and Data Review)				4		4	4	2	20	4	4		4		24			70	\$13,560	\$350			\$0		\$13,910	\$0	\$0	\$13,910	
Task 2 - Subtotal	0	0	0	4	0	4	4	2	20	4	4	0	4	0	24	0	0	70	\$13,560	\$350	\$0	\$0	\$0	\$0	\$13,910	\$0	\$0	\$13,910	
Task 03: Treatment Concept Development																													
3.1: Develop Liquid Stream Treatment Concepts		8	2	16		8		8	20						24			86	\$17,440	\$430			\$0	\$2,500	\$17,870	\$0	\$2,500	\$20,370	
3.2: Liquid Stream Process Modeling			2	16		10		12	68						20			128	\$25,440	\$640			\$0		\$26,080	\$0	\$0	\$26,080	
3.3: Solids Treatment and Thickening Alternatives				8	40	4		4		8	8		20		60			152	\$29,480	\$760			\$0		\$30,240	\$0	\$0	\$30,240	
Task 3 - Subtotal	0	8	4	40	40	22	0	24	88	8	8	0	20	0	104	0	0	366	\$72,360	\$1,830	\$0	\$0	\$0	\$2,500	\$74,190	\$0	\$2,500	\$76,690	
Task 04: Discharge Alternatives Evaluation																													
4.1: Develop Storage and Infiltration Concept		4		12		8	8					8			40	4		84	\$16,360	\$420	\$9,941	\$20,128	\$1,503	\$1,000	\$16,780	\$31,572	\$1,000	\$49,352	
4.2: Assess Feasibility of Deep Creek Outfall	4			32		16		6				4			24			86	\$17,500	\$430	\$7,848	\$9,604	\$873		\$17,930	\$18,325	\$0	\$36,255	
Task 4 - Subtotal	4	4	0	44	0	24	8	6	0	0	0	12	0	0	64	4	0	170	\$33,860	\$850	\$17,789	\$29,732	\$2,376	\$1,000	\$34,710	\$49,897	\$1,000	\$85,607	
Task 05: Wastewater Treatment Alternatives Evaluation																													
5.1: Treatment Alternatives Evaluation Criteria		4	4	24		24	24	4	8						60			152	\$30,500	\$760			\$0		\$31,260	\$0	\$0	\$31,260	
5.2: Treatment Alternatives Analysis				80		28		8	8						124	24		272	\$51,620	\$1,360		\$4,180	\$209	\$1,000	\$52,980	\$4,389	\$1,000	\$58,369	
5.3: Complete Alternatives Evaluation			4	80		24		8	8						84	8		216	\$42,140	\$1,080			\$0		\$43,220	\$0	\$0	\$43,220	
5.4: Cost Estimates		2	2	20		16						12			52			104	\$20,140	\$520			\$0		\$20,660	\$0	\$0	\$20,660	
Task 5 - Subtotal	0	6	10	204	0	92	24	20	24	0	0	12	0	0	320	32	0	744	\$144,400	\$3,720	\$0	\$4,180	\$209	\$1,000	\$148,120	\$4,389	\$1,000	\$153,509	

Proposal Fee Estimate

Kennedy/Jenks Consultants

Client Name: City of Sandy
 Project Description: Wastewater Facilities Plan Amendment
 KJ Project Number: 227600X.00 Date: 10/27/2022

Project Schedule: 40 Weeks

Classification:	Project Initiation Plan & VE (Walz & Wojcik) (E8)	PIC (Cullington) (E8)	QA/QC (Humm) (E7)	Project Engineer (Spargo) (E6)	Solids QC (Werner) (E6)	Project Manager (Peacock) (E6)	Recycled Water (Stoll) (E7)	Model QA/QC (Seymour) (E7)	Process Modelling (Kim) (E6)	Structural (Salter) (E5)	Electrical (Hoepfl) (E5)	Cost Estimating (Hoffman) (E6)	Biosolids (Mesick) (E5)	H&S Plan (Jindra) (E4)	Engineering Staff (Otero) (E4)	Senior CAD Designer	Project Admin. (Flury)	Total	KJ Labor	KJ Applied Project Cost	Sub Permitting (ESA)	Sub Geotech (Shannon and Wilson)	KJ Sub-Markup	KJ ODCs	Total Labor	Total Subs	Total Expenses	Total Labor + Subs + Expenses
Hourly Rate:	\$250	\$250	\$230	\$210	\$210	\$210	\$230	\$230	\$195	\$195	\$210	\$210	\$195	\$175	\$175	\$160	\$130	Hours	Fees	\$5/hr	Fees	Fees	5%	Fees				Fees
Task 06: Prepare Wastewater Facilities Plan Amendment																												
6.1: Wastewater System Financial Analysis			2	2	8		8								24			44	\$8,520	\$0			\$0		\$8,520	\$0	\$0	\$8,520
6.2: First Draft Report			4	4	16	4	12	16	4	8			16		40	24	12	160	\$30,320	\$0			\$0		\$30,320	\$0	\$0	\$30,320
6.3: Second Draft Report			2	4	16	4	12		4	8			8		32	12	4	106	\$20,220	\$0			\$0		\$20,220	\$0	\$0	\$20,220
6.4: Final Report			2	2	8		8	4	4	8			4		16		4	60	\$11,820	\$300			\$0		\$12,120	\$0	\$0	\$12,120
Task 6 - Subtotal	0	10	12	48	8	40	20	12	24	0	0	0	28	0	112	36	20	370	\$70,880	\$300	\$0	\$0	\$0	\$0	\$71,180	\$0	\$0	\$71,180
All Phases Total	24	69	54	428	52	348	64	72	158	12	12	26	56	2	648	72	42	2139	\$423,610	\$9,145	\$17,789	\$33,912	\$2,585	\$5,050	\$432,755	\$104,183	\$6,050	\$502,841

SANDY CLEAN WATERS FACILITY PLAN AMENDMENT

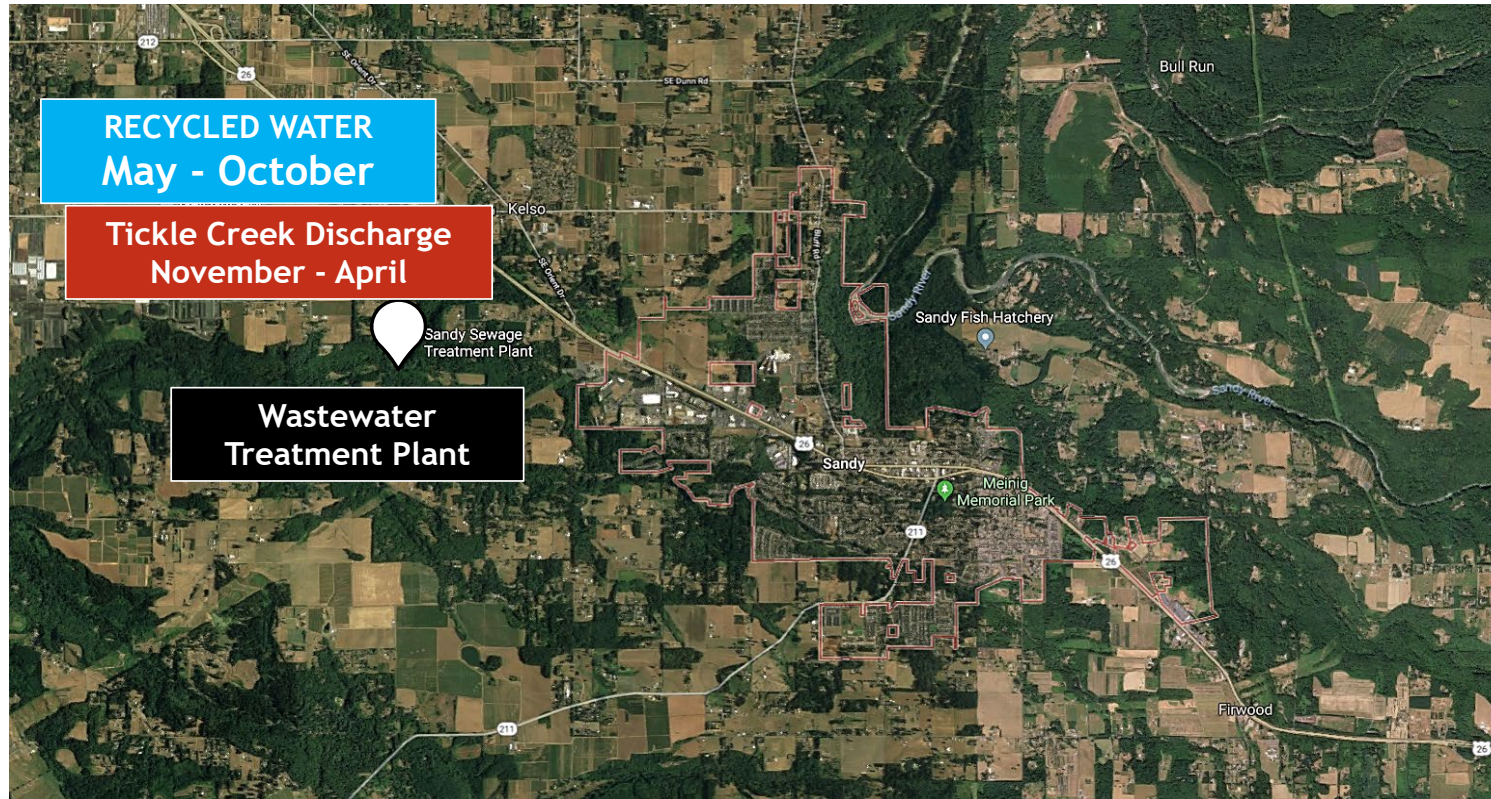
November 7, 2022



Agenda

- ▶ Background
- ▶ Drivers for Facility Plan Amendment
- ▶ Expected Outcome

Existing Wastewater System

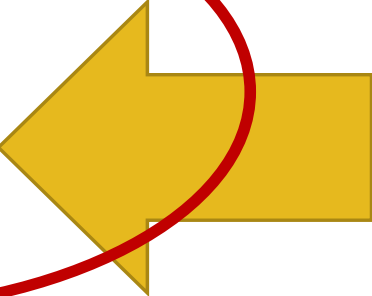
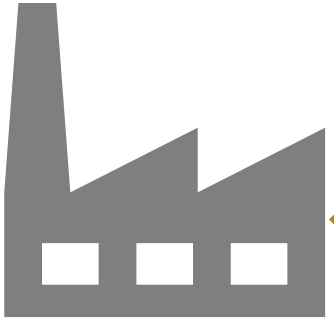


Challenge #1 – Collections System



Challenge #2 – Treatment

Recycled Water
Local Nursery

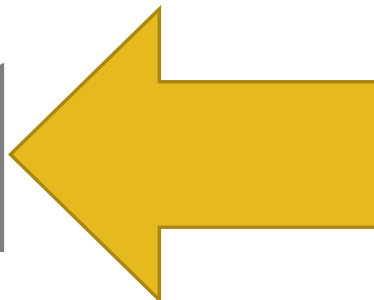
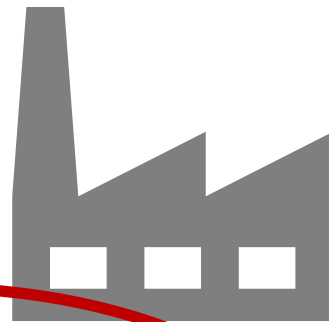


Tickle Creek

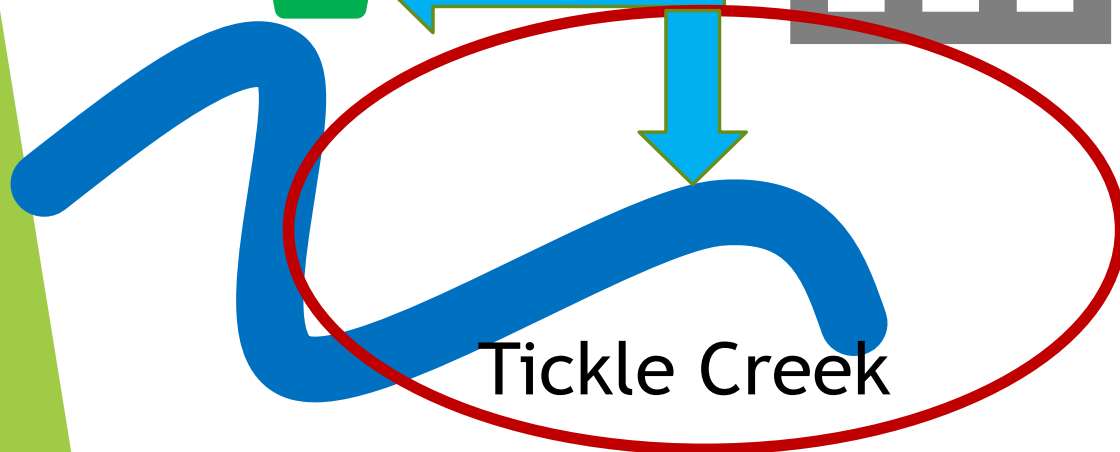
Aging Mechanical Equipment
needs Replacement and Expansion

Challenge #3 – Effluent Disposal

Recycled Water
Local Nursery



Mass Load Limit
“Bottleneck”

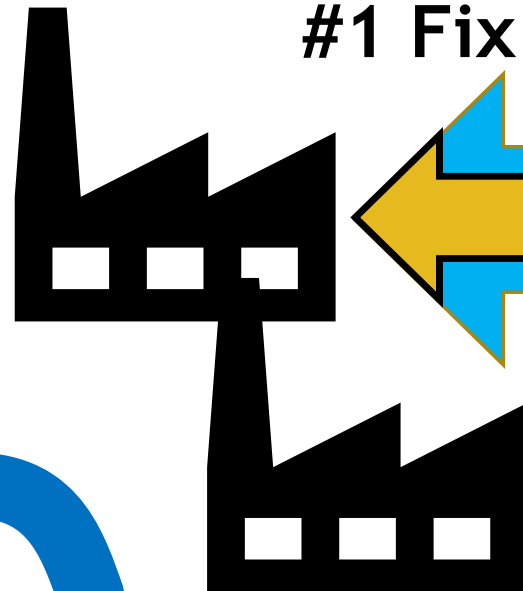


Tickle Creek

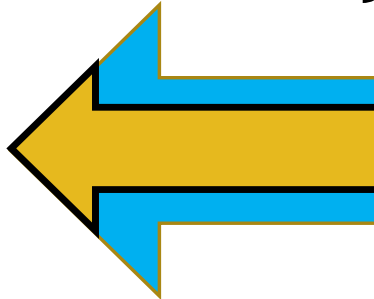
Three Step Plan

#2 Replace & Expand Treatment

Recycled Water
Local Nursery



#1 Fix Leaky Pipes



Sandy River

#3 Build Second Outfall & Pipeline



Tickle Creek

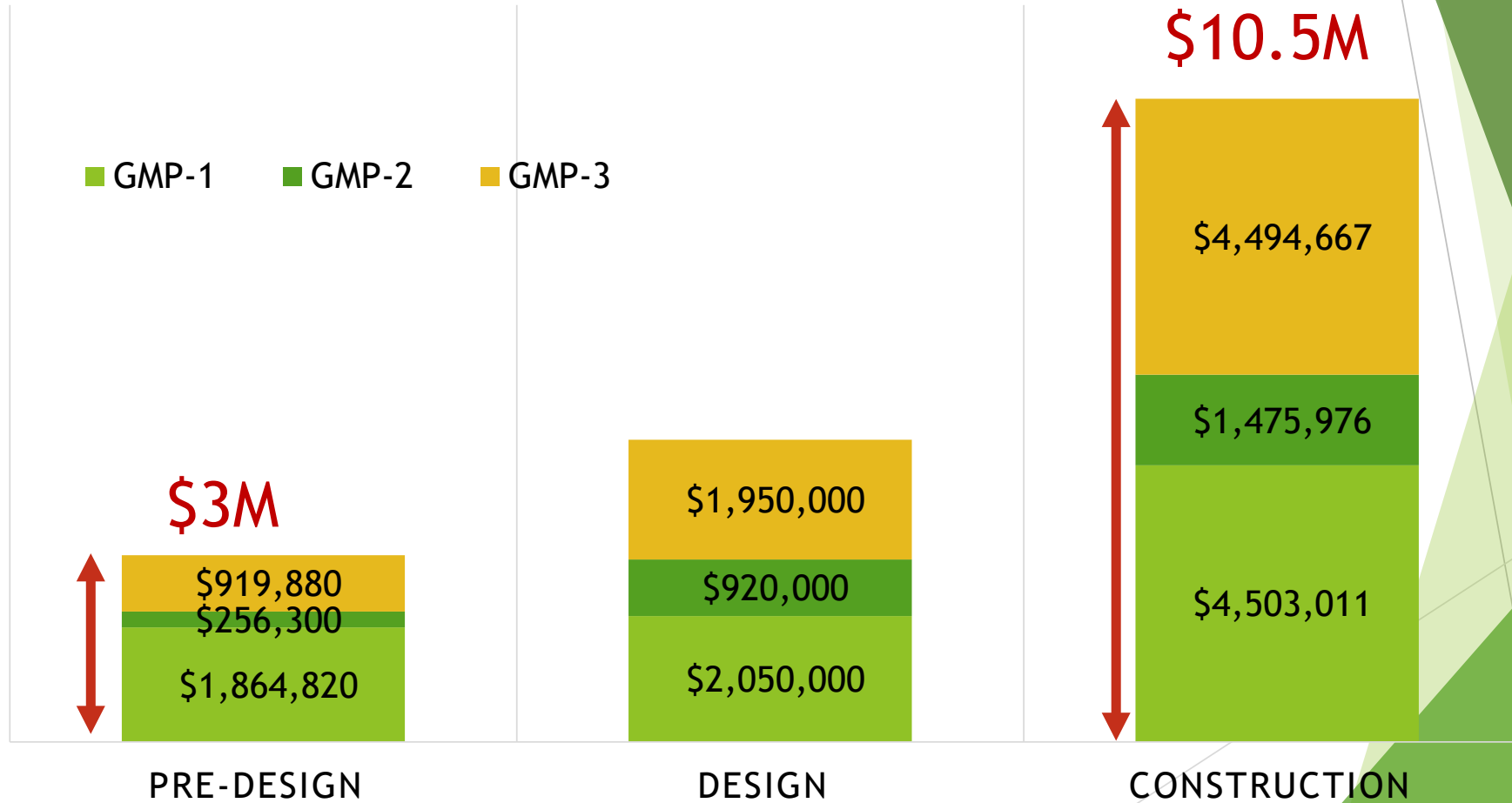
What Changed: Baseline Budget Too Low

- ▶ Phase 1B program costs:
 - ▶ 4 years old
 - ▶ Planning, needed to double or triple
 - ▶ DBB delivery, not alternative delivery
 - ▶ Did not reflect high inflation, commodity, and construction market of today

Construction Cost
Increase 2018-2022

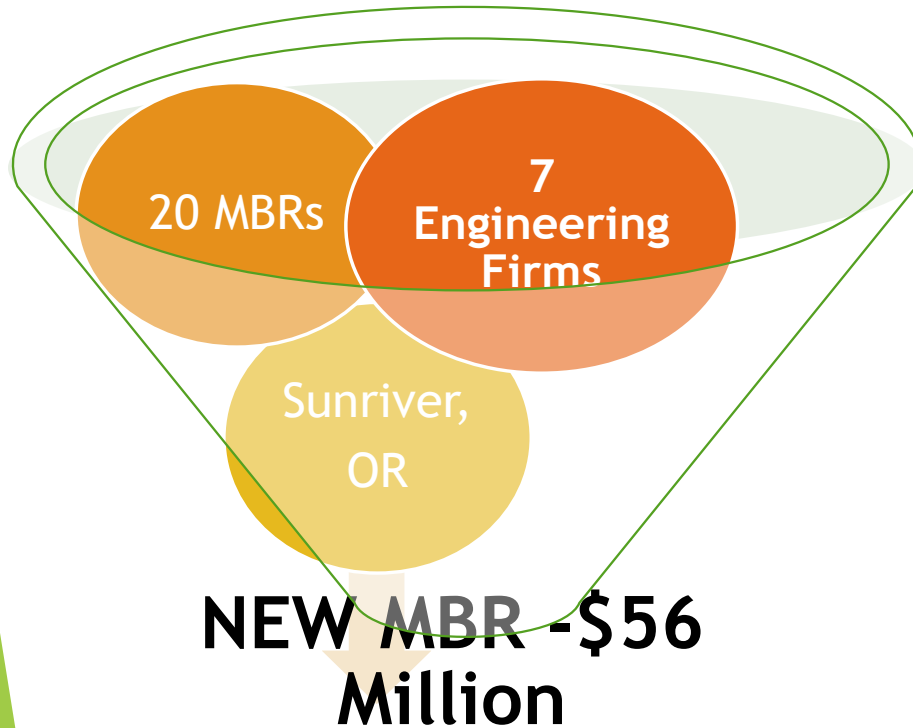
30.2%

EXISTING WWTP PROJECT



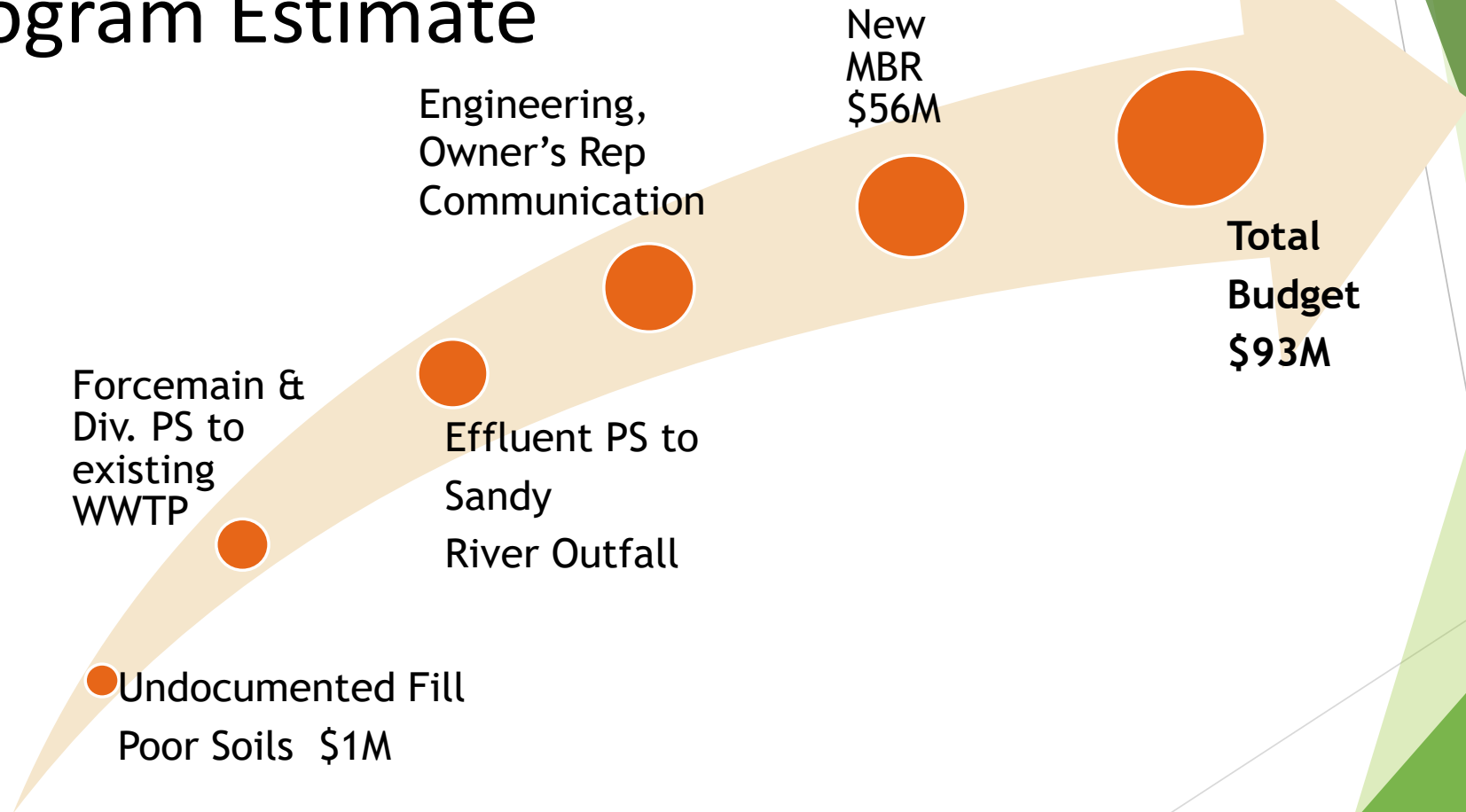
Comparable MBR Construction Costs

20 Data Points Collected



- ▶ HDR
- ▶ Kennedy/Jenks
- ▶ Jacobs
- ▶ Stantec
- ▶ Parametrix
- ▶ Brown and Caldwell
- ▶ West Yost
- ▶ Slayden Construction
- ▶ **Sandy MBR Estimate \$18M**

Phase 1B Eastside Satellite System Program Estimate

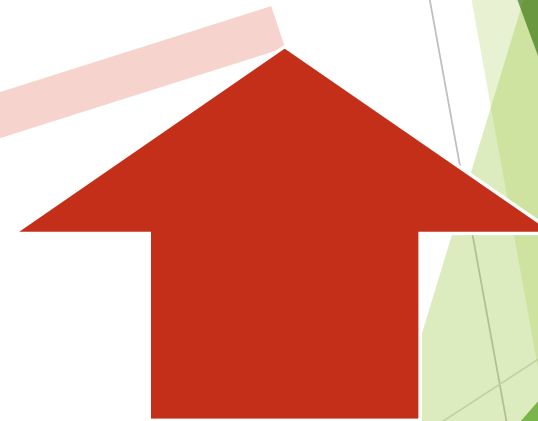


What changed: More RDII Reduction

Less treatment
capacity needed



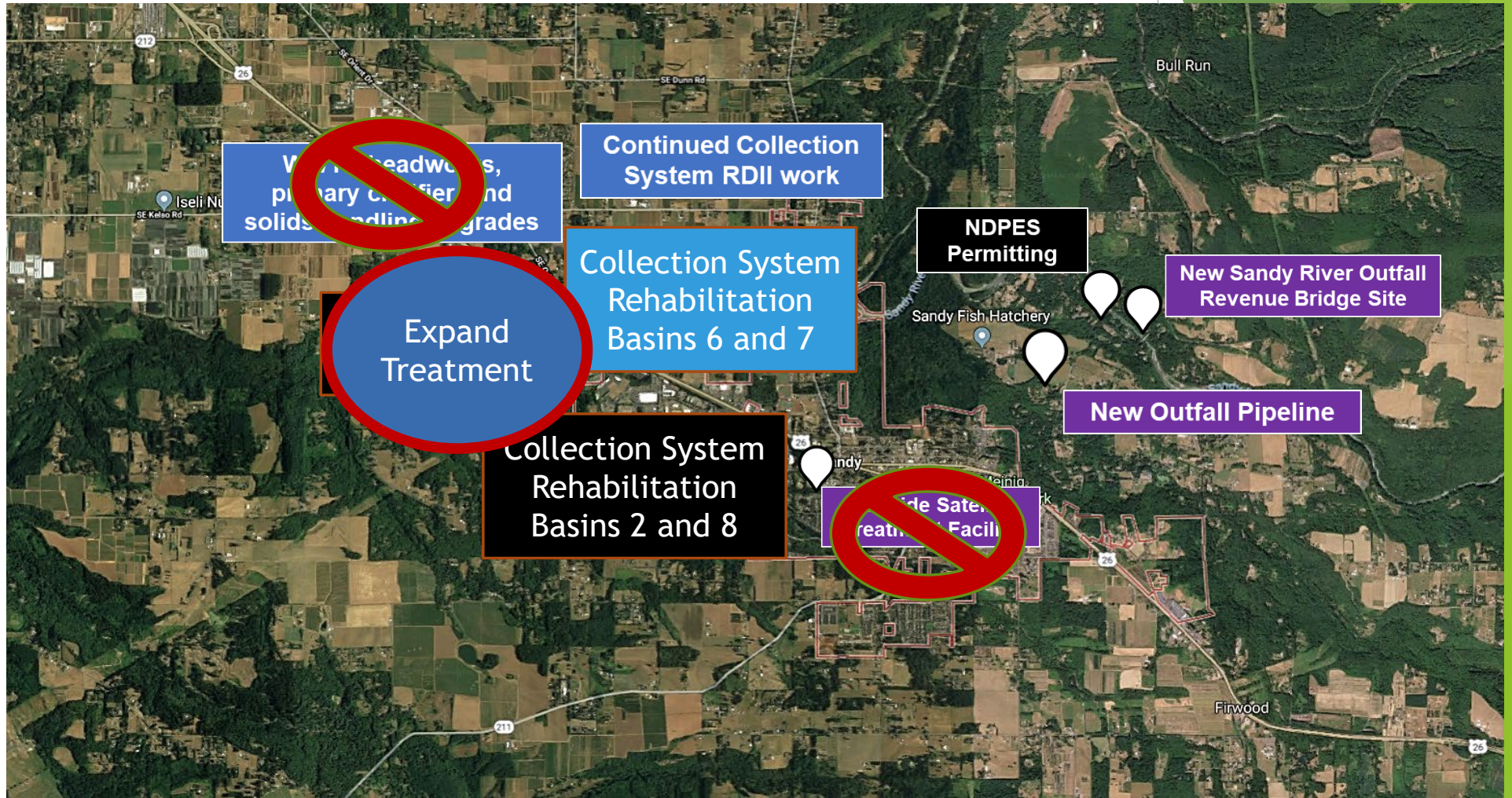
14 MGD



10.8 MGD

More Leaky Pipes
Fixed

Wastewater CIP – Potential Change?



Facility Plan Amendment Expected Outcome

- ▶ More affordable Wastewater System Expansion
- ▶ Will incorporate validated collection system peak flow reductions
- ▶ Will include stress test results
- ▶ Will provide more detailed road map of Capital Improvements Necessary for next ten years