



ADAMS COUNTY

COLORADO
BOARD OF COUNTY COMMISSIONERS

Eva J. Henry - District #1
Charles "Chaz" Tedesco - District #2
Emma Pinter - District #3
Steve O'Dorisio - District #4
Lynn Baca - District #5

STUDY SESSION AGENDA
TUESDAY
May 4, 2021

ALL TIMES LISTED ON THIS AGENDA ARE SUBJECT TO CHANGE

10:00 A.M.	ATTENDEE(S): ITEM:	Adam Burg Legislative Update
10:40 A.M.	ATTENDEE(S): ITEM:	Brian Staley / Jeremy Reichert Gravel Roads Program Update
11:10 A.M.	ATTENDEE(S): ITEM:	Brian Staley / Rene Valdez / Russell Nelson Project Updates: Steele St Extension E 86th Ave to E 88th Ave and E 58th Ave - Washington St to York St
11:40 A.M.	ATTENDEE(S): ITEM:	Terri Lauth / Cindy Bero United Healthcare / Medicare Plan Changes
12:10 P.M.	ATTENDEE(S):	Dr. John Douglas, Executive Director, Tri-County Health Department / Sara Carrington, Tri-County Health Department / Jennifer Ludwig, Tri-County Health Department
12:40 P.M.	ATTENDEE(S): ITEM:	Raymond Gonzales Administrative Item Review / Commissioners Communication
1:10 P.M.	ATTENDEE(S): ITEM:	Ryan Nalty / Katie Keefe Thornton Shopping Center Redevelopment

TO WATCH THE MEETING:

- Watch the virtual Zoom Study Session through our [You Tube Channel](#)

(AND SUCH OTHER MATTERS OF PUBLIC BUSINESS WHICH MAY ARISE)

AGENDA IS SUBJECT TO CHANGE



STUDY SESSION ITEM SUMMARY

DATE OF STUDY SESSION: May 4, 2021
SUBJECT: Gravel Roads Update
OFFICE/DEPARTMENT: Public Works – Operations Division
CONTACT: Jeremy Reichert, Operations Manager; Brian Staley, PE, PTOE, Public Works Director
FINACIAL IMPACT: None
SUPPORT/RESOURCES REQUEST: None
DIRECTION NEEDED: None
RECOMMENDED ACTION: Information Update Session

DISCUSSION POINTS:

In 2017 the Board of County Commissioners approved additional funding and equipment for gravel road improvements across the County, with an intentional focus on eastern Adams County. The services included in this program consist of gravel road reconstruction, gravel surfacing, gravel reclamation and dust abatement.

In this study session we will provide the board with an update on the following details of the program:

- Gravel Road improvements, specifically progress made since the last update.
- Challenges, possible solutions, and future needs of the program.
- Provide information on new and innovative approaches for treating and managing gravel roads.



PUBLIC WORKS

OPERATIONS DIVISION

Gravel Road Update

- 2021 -



General Understandings

ASPHALT

Asphalt road condition is based on distresses progressing over longer periods of time

Weather impacts on road condition are not as immediate



GRAVEL



Gravel road conditions are highly reactive to changing weather and can change from good to bad and back to good rapidly



General Understandings

Preserving the useful life of gravel is the program's objective and it serves to support environmental and resource sustainability



- Paving roads may be necessary as:
- Traffic volumes increase (>300)
 - Residential development and commercial industry impacts occur
 - Maintenance responsibilities become overly burdensome





March 2021 – Gravel Road Treatment Evaluation

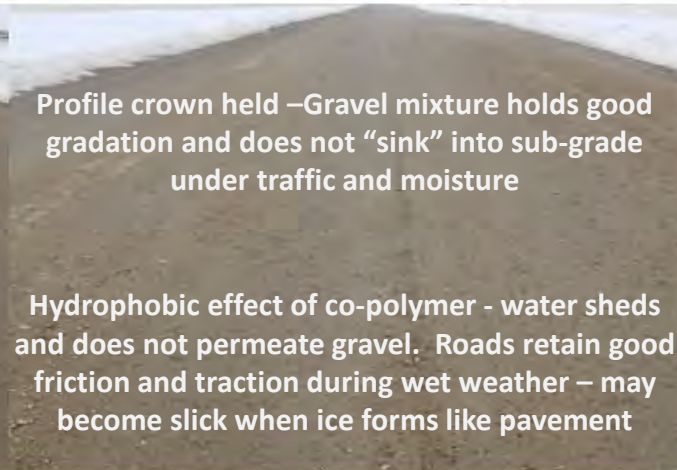
All roads shown after snow removal and moisture impacts

Co-polymer no grading since installation

Chloride Roads graded 4 times since installation



No gravel Loss from traffic splash out and grading/plow push out



Profile crown held –Gravel mixture holds good gradation and does not “sink” into sub-grade under traffic and moisture

Hydrophobic effect of co-polymer - water sheds and does not permeate gravel. Roads retain good friction and traction during wet weather – may become slick when ice forms like pavement

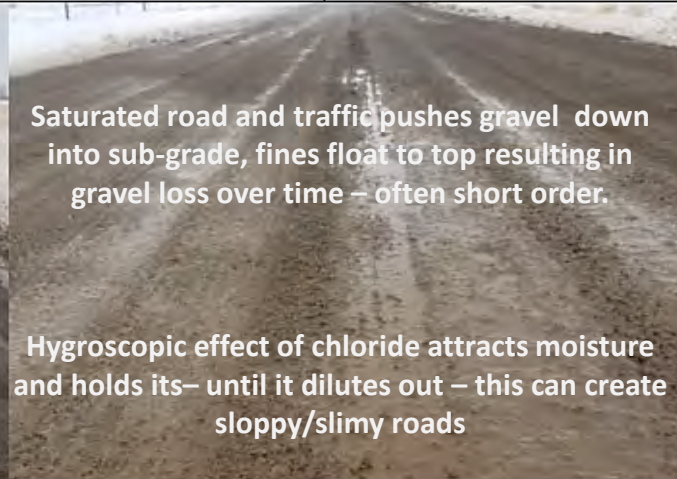
E. 72nd Ave - June 2020 (9-month)

Co-Polymer Treated Roads - post application

E. 88th Ave – July 2020 (8-month)



Gravel Loss from traffic splash out and grading/plow push out



Saturated road and traffic pushes gravel down into sub-grade, fines float to top resulting in gravel loss over time – often short order.

Hygroscopic effect of chloride attracts moisture and holds its– until it dilutes out – this can create sloppy/slimy roads

E. 32nd Ave – August 2020 (7-month)

Chloride Treated Roads - post application

Piggott Rd - September 2020 (6-month)



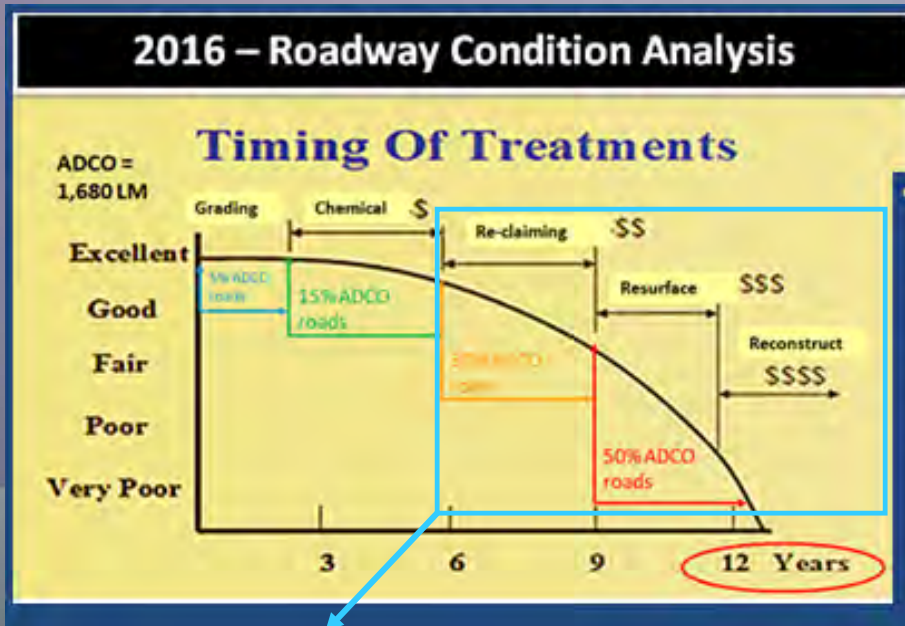
Gravel Road Service and Programs

Gravel road maintenance and rehabilitation programs are high priority within PW- Operations

Maintenance Category Distribution - Labor Hours



Looking back



2016 Study Session

- The gravel road network has reached a tipping point; which means significant risk and liability
 - ✓ Gravel road conditions pose major safety risk to the end user and emergency providers tending calls
 - ✓ Gravel road conditions are impacting economic vitality in eastern Adams County
 - ✓ Gravel road conditions are not sustainable through routine maintenance; repairs are significantly impacting other program and maintenance responsibility
 - ✓ Citizen request/complaint are intensifying averaging 50 to 100 after each weather event

2015 – 80% of the gravel road network was in disrepair and beyond the capable scope of routine maintenance!



The majority of the gravel road network has rapidly worsened from deferred maintenance, weather and traffic impacts; requiring reconstruction.

Rate of failure is outpacing repairs, escalating complaints and road safety concerns.





- **2014** Inventoried gravel road network, updated State database (HUTF), organized our routes, benchmarked service delivery
- **2015** Realized that grading service was not sufficient and could not sustain reliable & safe roadways – Strategic plans developed
- **2016** Began pilot testing materials and practices unique to our challenges – condition assessment - BoCC approves additional funding for 2017 budget and additional equipment & FTE
- **2017** Began program(s) expansion & development





EACH AND EVERY
ACCOMPLISHMENT
STARTS WITH A
DECISION TO TRY

- **2018** Realized operational capacities and identified new systemic challenges (water demand & protecting investments)
- **2019** Realized positive impacts, network condition improvement and maintenance reduction (need)
- **2020** Focus shifting toward maintaining investments while progressing fewer improvements – finding right sized balance!



CHALLENGES FOR ROAD MANAGERS

Typical Problems with Gravel Road Networks

Community concerns and demands



Internal request and demands

Other responsibilities and priorities



Gravel Roads will always have challenges



Current Snapshot

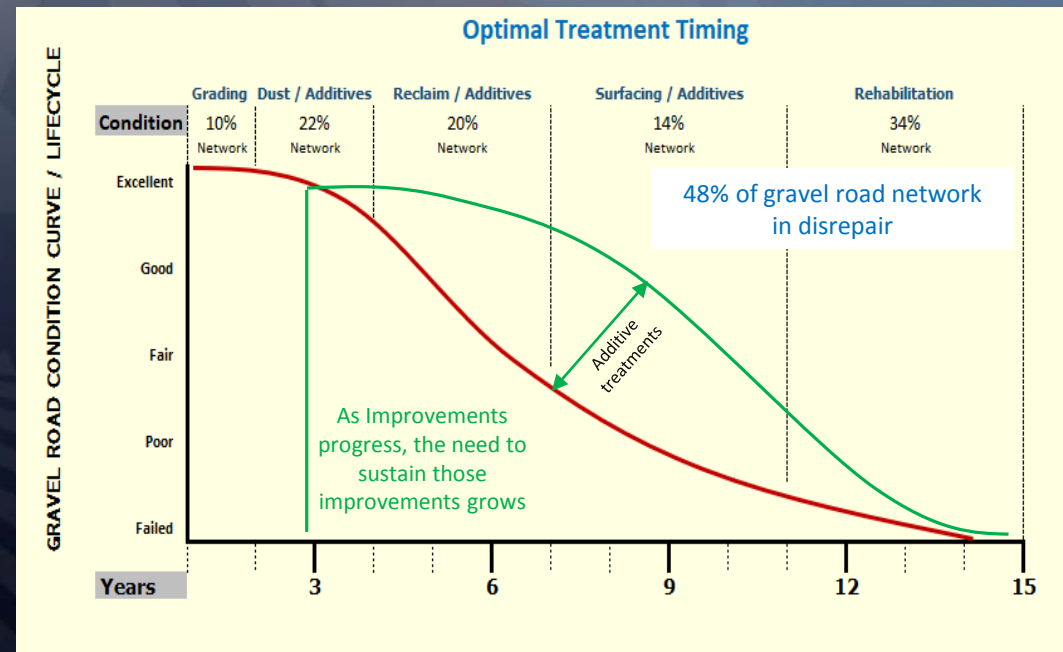
KEY PERFORMANCE INDICATORS (KPI): New layer of surface gravel placed every **12-14 years**
(Network Wide)

- Over 1.64 Million miles traveled (hauling gravel)
- 2,176,672 Gallons of additives
- 74,567 lbs. of additives
- 20,366,870 Gallons of water (62.5-acre feet)
- 381,033 Tons of gravel (29,310 County truck loads equivalent)
- 15,570 Linear feet of culvert

32% of gravel network improved
(524 LM)

***On-track - AVG 131 LM annually = 13 yrs.**

Benchmarked from 2017 (BoCC support)



Looking Forward

❖ Continue advancing gravel additives to reduce maintenance cycles

- Gravel additives reduce dust, weather impacts and grading frequencies. Some products reduce construction water and gravel. Thickness requirements for both gravel and asphalt pavement.

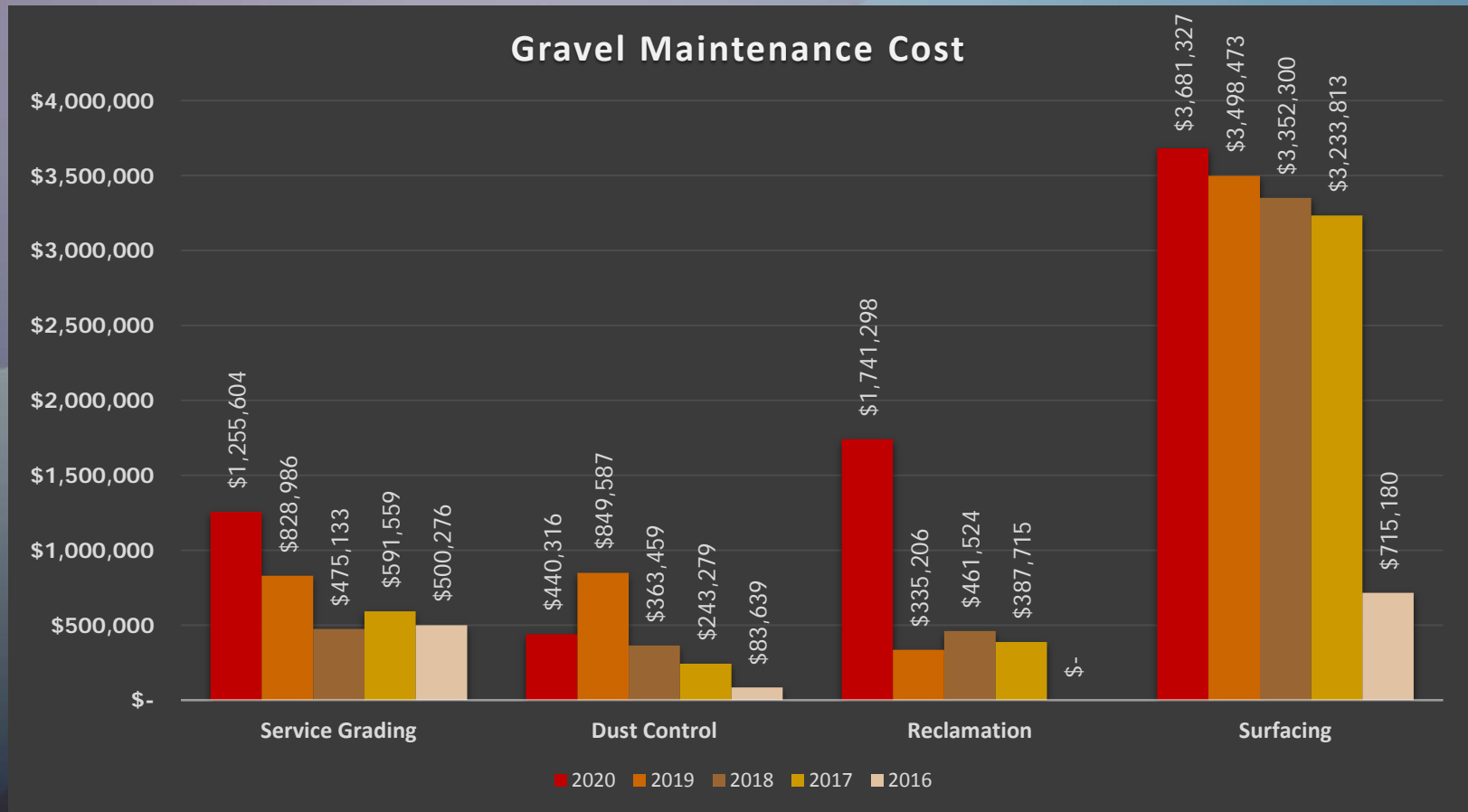


❖ Chip/Cape Seal Over Polymer Treated Base.

- Capable of producing 5–8-year maintenance free gravel roadway. Widely used and proven chip sealing process over gravel is used across the country including in Colorado.



Whole Investments



- Employees pay rate + 25% for total comp (soft cost)
- Equipment cost per meter + depreciation (soft cost)
- Actual material cost and/or contract service cost (hard cost)



Adams County – Public Works

At the national level, we are leaders within the industry



With ELT and BoCC support we have been able to provide safe and reliable transportation infrastructure!





STUDY SESSION AGENDA ITEM

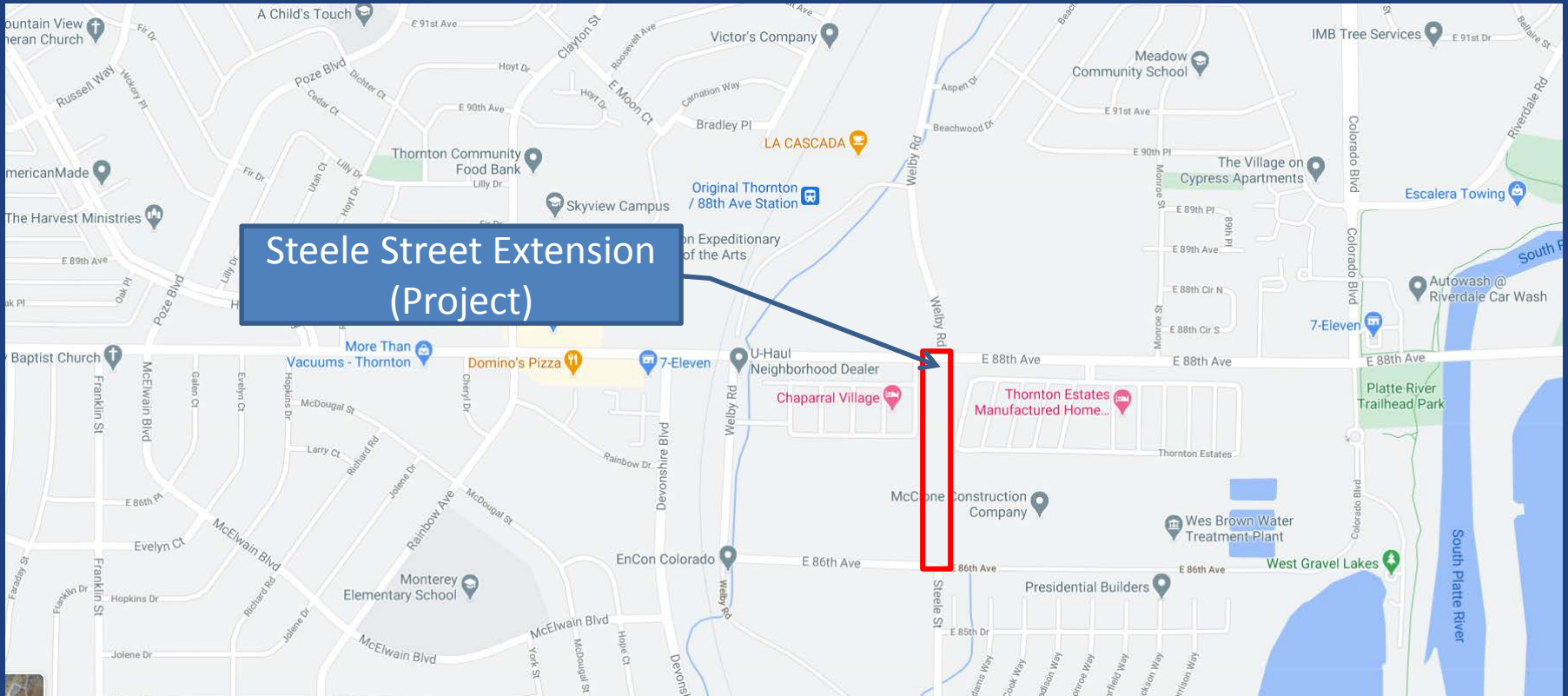
DATE:	May 4, 2021
SUBJECT:	Projects: Steele Street Extension – E 86th Avenue to E 88th Avenue and East 58th Avenue – Washington Street to York Street
FROM:	Brian Staley, PE, PTOE, Director of Public Works René Valdez, CIP Manager Russell T. Nelson, PE, Senior Stormwater Engineer <i>R. Nelson</i>
AGENCY/DEPARTMENT:	Public Works Department
ATTENDEES:	Brian Staley, René Valdez, Russ Nelson
PURPOSE OF ITEM:	Status update of both Projects. Request the Board's approval for additional time and compensation to complete the design and construction plans, acquire right-of-way and construct the improvements.
STAFF RECOMMENDATION:	Approve a Contract Change Order for projects: Steele Street Extension – E 86th Avenue to E 88th Avenue; and East 58th Avenue – Washington Street to York Street

DISCUSSION POINTS:

- Steele Street Extension Design Changes / Construction Support - \$38,031 / \$49,221
 - Design Changes - \$38,031
 - Design Hydrology and Hydraulics
 - + Chaparral Village storm / Thornton Estates revisions
 - + Offsite Hydrology / 100-year Conveyance / Stormwater Quality Basin Revisions
 - E 86th Ave Sidewalk / Steele Profile Revisions
 - Schedule
 - Design complete 3rd Quarter 2021
 - Right-of-way Possession and Use 3rd / 4th Quarter 2021
 - Advertise for Construction 4th Quarter 2021
 - Construction Support Services – \$49,221
 - Time Extension to December 31, 2023
- E 58th Avenue - \$297,200
 - Design Changes
 - Property Owner Negotiation Revisions to plans - \$149,000
 - 35 Total / 15 Challenging (7 Acquired – 5 Negotiating – 3 Contesting) ie 8 At-Risk
 - Minimize project costs by reducing or eliminating damages ie several iterations of meetings, negotiations, design changes
 - Street Light Design / Utility Coordination – \$18,000 / \$52,000
 - Schedule
 - Design complete 3rd Quarter 2021
 - Right-of-way Possession and Use 3rd / 4th Quarter 2021
 - Advertise for Construction 4th Quarter 2021
 - Construction Support Services – \$78,200
 - Time Extension to December 31. 2023



Steele Street Extension E 86th Avenue to E 88th Avenue Project Location





Steele Street Extension E 86th Avenue to E 88th Avenue Change Order Summary

Design Complete 3rd Qtr

Change Order #1 - \$38,029
Design Changes

Advertise for Const. 4th Qtr

Change Order #2 - \$49,221
Construction Support Services

R.O.W. Possession and Use 3rd / 4th Quarter 2021

Contract Summary

Original Contract Total:	\$565,257.00
Change Order #1 Total:	\$38,029.00
Contract including Change Order #1 Total:	\$603,286.00
Change Order #2 Total:	\$49,221.00
Contract including All Change Orders Total:	\$652,507.00

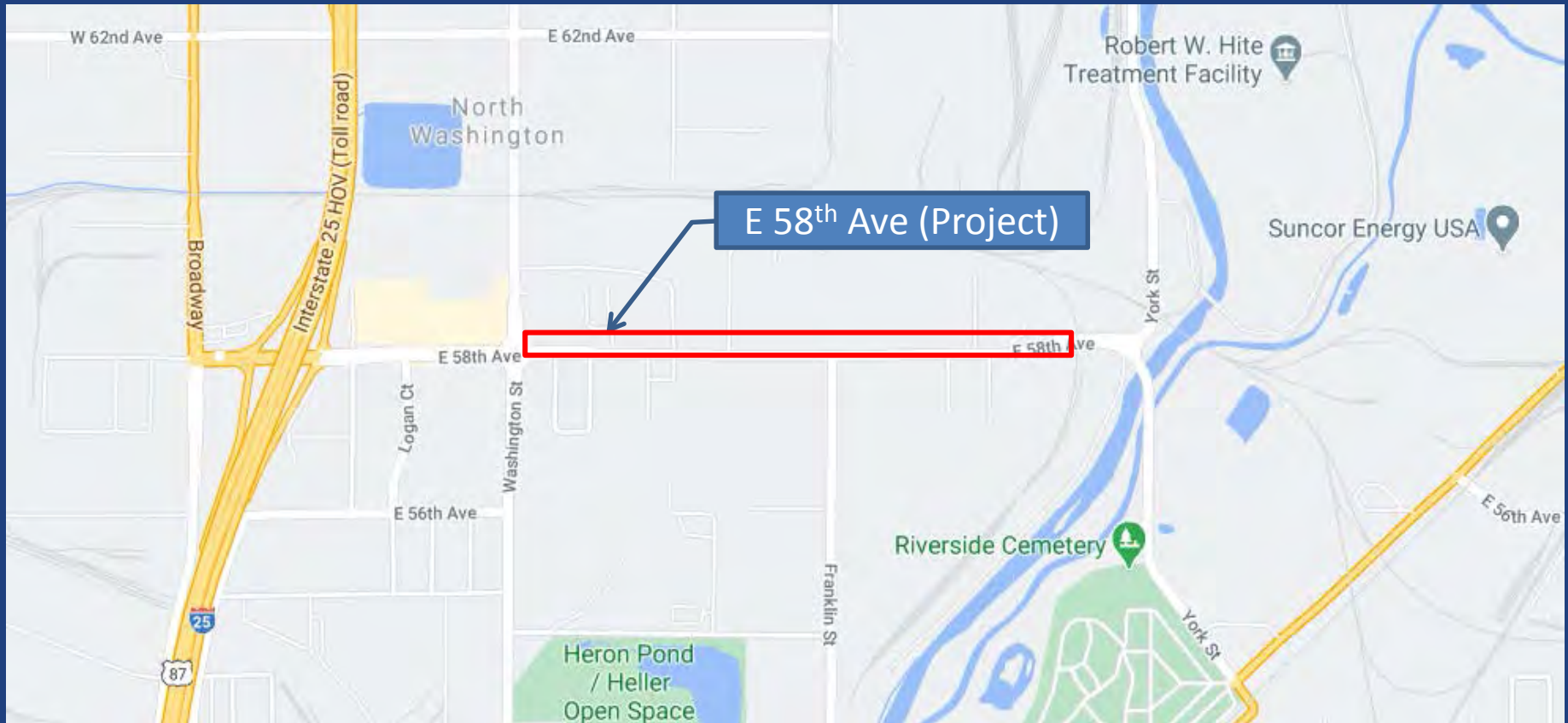


Steele Street Extension E 86th Avenue to E 88th Avenue Project Location

Questions?



E 58th Avenue Washington Street to York Street Project Location





E 58th Avenue Washington Street to York Street Status Property Acquisitions



35 Parcels

20 Acquired

7 Challenging Acquisitions

5 Negotiations

3 Court Actions



E 58th Avenue

Washington Street to York Street

Status Property Acquisitions

Court Actions

1. Denver Mart LLC
2. Thompson Partnership (aka High St. vac.)
3. Denver Rock Island Railroad

Negotiations

1. Toepper LLC
2. Federal Partners LLC
3. 5 Palms Properties LLC
4. Mountaineer Property LLC
5. Reconserve of Colorado Inc

Challenging Acquisitions

1. Clark A LTD (aka Subway)
2. Jet V 5796 LLC
3. Ready Mixed Concrete Co
4. Western Stockshow Association
5. Castro Manuelita
6. Temptee Brand Steaks Inc
7. Kuettel +2 LLC

Acquired

1. Ortiz
2. Paris Family LLC
3. Masad Monawara
4. KSKK LLC
5. Ogden North Enterprises LLC
6. Spera Family Investment Co
7. Gibbons P. and Spera M.
8. Kearney Trust
9. Guerrero Simon
10. 5830 Downing Street LLC
11. Classic II Holdings LLC
12. Franklin Industrial Group LTD
18. Arakouzo
19. Public Service Company of Colorado
20. Hensley Properties LLC



E 58th Avenue Washington Street to York Street Change Order Summary

Property Owner Negotiation Revisions

15 Challenging Negotiations

- Design
- Present Options
- Revise / Repeat
- Finalize
- Legal Descriptions with Exhibits
- Incorporate into Construction Documents

Benefits to Project

- Minimize Damages to Properties
- Reduces Risk to County
- Solutions Are More Amicable
- Reduction in Project Costs
- Improved Completion Schedule

Design Complete 3rd Qtr

ROW Possess & Use 3rd / 4th Qtr

Advertise for Const. 4th Qtr

Change Order

Property Owner Negotiation Revisions	\$144,000
Street Light Design	\$18,000
Utilities Coordination	\$57,000
Construction Support Services	\$78,200
Total	\$297,200



E 58th Avenue Washington Street to York Street

Questions?



Stantec Consulting Services Inc.
1560 Broadway, Suite 1800, Denver, CO 80202

Adams County

Steele Street Extension: E. 86th
Ave to E. 88th Ave –

Task Documentation

Change Order 1



Prepared for:
Adams County
Public Works
4430 South Adams County Parkway,
Suite W2000B
Brighton, CO 80601

Prepared by:
Stantec Consulting Services, Inc.
1560 Broadway, Suite 1800
Denver, CO 80202

Introduction

The following scope and fee is to document additional tasks required to complete the design of the Steele Street Extension: E. 86th Ave to E. 88th Ave. The additional tasks have been identified as work outside the original scope and are summarized below.

Task 1.0 – Project Management and Coordination

- 1.1 **Project Meetings and Task Management** – The extended project schedule has required additional meetings and coordination. The original project duration was anticipated to be 10 months. Starting with an NTP in September of 2019, project management and meetings were anticipated to be complete for the design phase in July of 2020. We have estimated 20 additional meetings over the original budget through a duration of 12 additional months. This task will cover coordination through the end of design anticipated to be the end of June of 2021.

Task 9.0 – Hydrology and Hydraulic Engineering

During the process of finalizing the stormwater conveyance system several task concepts were proposed, vetted, designed, drafted, and finalized. Subsequent discussions with various stakeholders required further modifications that were not anticipated. Two of these occurred within the Chaparral Village neighborhood while the other two locations related to the offsite tributary areas and stormwater detention basin sizing.

- 9.1 **Chaparral Village Overflow** – Stantec designed, drafted, and finalized an overflow path for the 100-year design storm. The system was requested to be a concrete overflow facility to define the limits and provide more efficient conveyance.
- 9.2 **Chaparral Storm Revisions** – After submittal of the 90% plans, the City of Thornton requested the inlet types within Chaparral be revised from Type R Inlets to Type 13. This required additional analysis and assessment of flow patterns tributary to and downstream of the proposed inlets.
- 9.3 **Offsite Hydrology/ 100-yr Conveyance** – After submittal of the 90% plans which identified the overflow path for the 100-year flood to follow historic conditions to the Lower Clear Creek Canal, project stakeholders requested review of options to collect 100-year flows and direct to the Hoffman Drainageway.
- 9.4 **Detention Basin Revisions** – Based on requests from project stakeholder, Stantec will review 3 additional alternatives for the Detention Basin configuration to attempt to accommodate additional storage and routing opportunities.

Task 13 – Roadway Design and Roadside Development

- 13.1 **86th Avenue Sidewalk** – Stakeholders concurred that the north side of the west bound lane of E. 86th Avenue should have an ADA compliant sidewalk constructed with this project. Due to elevation challenges, the addition of a sidewalk was difficult

and required several iterations to develop a design that would meet criteria and remain within available ROW.

- 13.2 Steele Profile Revision** – Original design concepts created a low point south of 88th Avenue following existing grade and providing a more logical transition for Steele Street across 88th Avenue. However, in order to provide a design that does not commingle project runoff with runoff conveyed in E. 88th Avenue, project stakeholders requested to create a high point in Steele Street south of E. 88th Avenue. Adding a highpoint created significant grading challenges which impacted design concepts for roadway and storm conveyance.

Fee Estimate

Stantec proposes the following fees for the design scope changes noted above:

Description	Total Costs
TOTAL DESIGN CHANGE COSTS	\$38,029
TOTAL CHANGE ORDER REQUEST	\$38,029

Exclusions

Specifically excluded from Stantec’s scope of work are the following:

1. Construction services.



FEE ESTIMATE - Steele Street Extension

Attachment B - Changer Order 1

	Project Manager	Project Technical Lead	EIT	Project Assistant					
Name	Haggerty, Colin	Clark, Derek	Ybarra, Sol	Nersesian, Mesya					
Project Billing Rate	\$200.85	\$150.00	\$135.00	\$100.00					
Total Units (T&M)	40	131	72	6					
Fee (T&M)	\$8,034.00	\$19,675.05	\$9,720.00	\$600.00	Project Summary Total	Labour	Expense	Subs	Total
						\$38,029.05	\$0.00	\$0.00	\$38,029.05

WBS Code	Task Code	Task Name	Units				Hours	Labour	Expense	Subs	Total
1	100	PM Tasks	32	20		6	58	\$10,027.20	\$0.00	\$0.00	\$10,027.20
2	900	Hydrology and Hydraulic Engineering					152	\$22,126.80	\$0.00	\$0.00	\$22,126.80
2.1	901	Chaparral Overflow	2	24			26	\$4,001.70	\$0.00	\$0.00	\$4,001.70
2.2	902	Chaparral Storm Revisions	2	8	32		42	\$5,921.70	\$0.00	\$0.00	\$5,921.70
2.3	903	Offsite Hydrology/ 100-yr Conveyance	2	16	32		50	\$7,121.70	\$0.00	\$0.00	\$7,121.70
2.4	904	Detention Basin Revision	2	24	8		34	\$5,081.70	\$0.00	\$0.00	\$5,081.70
3	1300	Roadway Design and Roadside Development					39	\$5,875.05	\$0.00	\$0.00	\$5,875.05
3.1	1301	86th Sidewalk		11			11	\$1,675.05	\$0.00	\$0.00	\$1,675.05
3.2	1302	Profile Revision		28			28	\$4,200.00	\$0.00	\$0.00	\$4,200.00



Stantec Consulting Services Inc.
1560 Broadway, Suite 1800, Denver, CO 80202

Adams County

Steele Street Extension: E. 86th
Ave to E. 88th Ave –
Construction Services Task
Documentation
Change Order 2 –
Attachment C



Prepared for:
Adams County
Public Works
4430 South Adams County Parkway,
Suite W2000B
Brighton, CO 80601

Prepared by:
Stantec Consulting Services, Inc.
1560 Broadway, Suite 1800
Denver, CO 80202

Introduction

The following scope and fee is to document additional tasks required to complete the construction services portion of the Steele Street Extension: E. 86th Ave to E. 88th Ave project.

Task 15 – Construction Services

- 15.1 **Construction Meetings** – Stantec will attend construction meetings with ADCO, COT, and the selected contractor, as requested by the County. We anticipate construction to take 12 months to complete for a total of 24 meetings. All meetings are anticipated to be in the field for this estimate.
- 15.2 **RFI Response** – Stantec will review RFI’s submitted during the bidding phase and construction phase as requested by the County. If requested, we will work with ADCO, COT, and the contractor to develop solutions for review by all party’s. We anticipate a total of 8 RFI and responses as part of this task.
- 15.3 **Change Support** – Stantec will review Change Requests submitted during the construction phase as requested by the County. If requested, we will work with ADCO, COT, and the contractor to develop solutions for review by all party’s. We anticipate a total of 2 Change Requests and responses as part of this task
- 15.4 **Construction Observation** – As part of the construction services, we anticipate to occasionally observing construction activities on site as requested by the County. We have estimated that this will occur two times per month for the duration of the construction activities for a total of 18 field meetings.
- 15.5 **As-Built Drawings** – Stantec will transfer redline mark ups that reflect field design revisions and utility crossing information provided by the Contractor and include in As-Built Drawings. No other changes will be included in the As-Built Drawings.

Fee Estimate

Stantec proposes the following fees for the design scope changes noted above:

Description	Total Costs
CONSTRUCTION SERVICES	\$49,221
TOTAL CHANGE ORDER REQUEST	\$49,221

Exclusions

Specifically excluded from Stantec’s scope of work are the following:

1. Additional construction services not identified above.



1800 38th St. • Boulder, CO 80301 • 303.442.4338 • 303.442.4373 fax
3 South 7th St. • Colorado Springs, CO 80905 • 719-260-0887 • 719-260-8352 fax
710 11th Avenue, Suite L-45 • Greeley, CO 80631 • 970-351-0645

March 26, 2021

20961-00BLTR

Adams County Public Works Department

4430 S. Adams County Parkway
Brighton, Colorado 80601

Attn: Russel Nelson P.E., Senior Stormwater Engineer

Subject: Change Order Request for 58th Avenue, Washington to York, 2016.406

Russ:

Drexel Barrell is submitting this change order request for:

1. *Street Light Design:*

As the design currently proposed by Xcel will underground a significant amount of utilities located on overhead poles, that are currently the only source of streetlights, Adams County has determined that a street lighting plan would be beneficial for the project. Drexel, Barrell & Co. will prepare a street light design (and construction plan) based on county standards and sub-consult an electrical engineer to provide the necessary electrical design elements to Xcel to implement into their electrical design. A manufacturer/provider will be contacted to prepare a photometric plan based on the proposed design.

FEE: \$18,000 (Engineering \$8,000, Electrical \$10,000)

2. *Utility Coordination:*

In addition to further revisions to the storm sewer outfall (beyond the expectations set forth in Change Order #1), it was determined that it is more beneficial to the corridor to re-align utilities per a typical utility corridor than to attempt to align utilities per existing alignments as reflected in the 90% Design. This is most evident east of Franklin Street, as the utility corridor runs within the road diagonally with most utilities being on the south side of 58th Avenue near Franklin Street and on the north side of 58th Avenue near the railroad. After additional coordination with other utility providers, the previous alignment caused issues for maintaining service during construction for the sanitary sewer (North Washington Street Water and Sanitation) and the high-pressure gas line (Xcel). The 90% Design was likely the most economical design for Adams County, but was not ideal for future maintenance including utility separations, and improvements required by other entities. We view these changes as a justifiable impact to the cost of the project to ensure the utility corridor can function properly and be maintained for many years to come.

As Change Order #1 Included a fee for an open cut trench to evaluate the depth of the 90" sanitary sewer interceptor in York Street that is no longer required and was not performed, a credit of \$5,000 is being provided with this change order request.

Fee: \$52,000 (\$53,000 Engineering, \$4,000 Structural, \$5,000 Credit from CO#1)

3. *Property Owner Negotiation Revisions*

Provision for additional costs to complete the project due to extensive revisions to the construction documents related to: alterations of private property improvements (and to the roadway design) to minimize acquisitions by Adams County or aid in contract negotiations for obtaining right-of-way and easements, revisions to right-of-way plans / exhibits / legal descriptions per the fore mentioned changes, and additional topographic survey. These revisions could not have been reasonably anticipated during proposal preparation and were developed through extensive coordination with land owners after a fully developed concept had been coordinated with Adams County and created, including a 90% Design for construction documents and fully developed right-of-way plans with accompanying legal descriptions and exhibits for the acquisition process. The 90% Design and survey work were completed after initial meetings with all landowners but require revisions after follow-up discussions by Adams County with landowners during the acquisition process.

Fee: \$149,000 (\$109,000 Engineering, \$27,000 Survey, \$13,000 Structural)

4. *Construction Support Services*

Per our discussions, as our contract does not contain any services for Construction Administration, we have provided a fee for an eighteen-month construction schedule. We are assuming 6 hours per week for a 78-week construction schedule. This will include the review and approval of submittals/shop drawings, responses to RFI's, and minor revisions to the plans. Based on the extensive coordination with utility providers and landowners, we anticipate minimal changes to the approved plans and specifications but due to the complexity of the project, revisions may be required that are not foreseen at this time. As part of the Construction Administration services, we will also provide a running line for the Xcel overhead/underground electric lines as these activities will likely begin before the contractor is under contract for services. Xcel gas lines and other underground dry utilities will need to be incorporated into construction sequencing activities and can be handled as part of the construction surveying. As-Built drawings will be created per information provided by the contractor to close out the project.

Fee: \$78,200 (Engineering \$70,200, Survey \$4,000, Structural \$4,000)

5. *Contract Extension*

*A time extension to our contract to finalize construction documents and include Construction Administration activities as proposed below. We request the contract time be extended to at least **December 31, 2022.***

The total contract increase we are requesting is **\$297,200.**

As we have been working on the design of this project since 2016, we look forward to finalizing our efforts from the last five years and seeing this project through construction and completion.

Please do not hesitate to contact me at glingreen@drexelbarrell.com or 303-442-4338 if you have any questions or comments.

Sincerely,
Drexel, Barrell & Co.

A handwritten signature in black ink, appearing to read "Garrett Lingreen".

Garrett Lingreen, P.E.
Senior Engineer

Enc: Drexel, Barrell & Co. 2021 Billing Rates

Drexel, Barrell & Co.
2021 Billing Rates

Last Name	First Name	Blg Class	Blg Title	Rate
POLASEK	ALEXANDER	FSA	Field Surveyor - Add'l Crew	55
CANTILLO	ARCELIA	DE1	Design Engineer 1	100
CHARLAND	BRIAN	DE2	Design Engineer 2	110
KNAPP	CAMERON W	ASC1	Associate 1	150
FORSHEE	CRAIG	DE2	Design Engineer 2	110
SCHULER	DEREK	PE3	Professional Engineer 3	150
ROBERTS JR.	ED	PE3	Professional Engineer 3	150
MAAG	EMILY	SV2	Field Surveyor 2	115
LINGREEN	GARRETT	PE3	Professional Engineer 3	150
GREMBOWIEC	GARY	DE3	Design Engineer 3	120
SHAW	GARY	SV2	Field Surveyor 2	115
SLAUGHTER	GINGER E	DE3	Design Engineer 3	120
ARMSTRONG	JASON	SV1	Field Surveyor 1	110
MUIRHEID	JAY	SV3	Field Surveyor 3	120
DAY	JOHN	PLS3	Professional Land Surveyor	135
VARNUM	KATE	PE1	Professional Engineer 1	125
WOOD	KEVIN	AD	Administrative	60
COOPER	KIMBERLY	CFO	Chief Financial Officer	100
CRAWFORD	KURT	PE1	Professional Engineer 1	125
FINNEY	MARISSA	TEC2	Technician 2	105
BUTLER	MARK	PE2	Professional Engineer 2	140
SELDERS	MATHEW E	PR	Principal	170
ECKER	MICHAEL	SV3	Field Surveyor 3	120
O'LAUGHLIN	MICHAEL	TEC1	Technician 1	100
MIDDLETON	MICHAEL D	MPR	Managing Principal	180
IBLINGS	MICHELLE	PE3	Professional Engineer 3	150
BOWEN	PATRICE	AD	Administrative	60
O'HEARN	PATRICK C	ASC1	Associate 1	150
RICHARDSON	ROBERT	SV3	Field Surveyor 3	120
NATELLI	SARA	DE3	Design Engineer 3	120
WRIGHT	TIFFANY	AD	Administrative	60
MCCONNELL	TIMOTHY	PR	Principal	170
COX	JESSE	SV2	Field Surveyor 2	115
SMEENK	TYLER	DE2	Design Engineer 2	110
DASCHER	VINCENT	LS1	Land Surveyor 1	115
WRIGHT	WILLIAM K	MPR	Managing Principal	180
SLAUGHTER	CHALRES	FSA	Field Surveyor - Add'l Crew	55

Blg Class	Blg Title/Category	Blg Rate
AD	Administrative	60
ADJ	Adjustment	1
ASC1	Associate 1	150
ASC2	Associate 2	155
ASC3	Associate 3	160
CFO	Chief Financial Officer/Controller	100
CI1	Construction Inspector	100
DE1	Design Engineer 1	100
DE2	Design Engineer 2	110
DE3	Design Engineer 3	120
EI	Engineering Intern	60
EW	Expert Witness	300
FSA	Field Surveyor - Add'l Crew	55
SV1	Field Surveyor 1	110
SV2	Field Surveyor 2	115
SV3	Field Surveyor 3	120
LS1	Land Surveyor 1	115
LS2	Land Surveyor 2	125
MPR	Managing Principal	180
PR	Principal	170
PE1	Professional Engineer 1	125
PE2	Professional Engineer 2	140
PE3	Professional Engineer 3	150
PLS3	Professional Land Surveyor	135
CI2	Sr. Construction Engineer	120
TEC1	Technician 1	100
TEC2	Technician 2	105
TEC3	Technician 3	110



STUDY SESSION ITEM SUMMARY

DATE OF STUDY SESSION: May 4, 2021
SUBJECT: United Healthcare/Medicare plan changes
OFFICE/DEPARTMENT: People and Culture
CONTACT: Cindy Bero, Benefits Manager
FINACIAL IMPACT: None
SUPPORT/RESOURCES REQUEST: n/a
DIRECTION NEEDED: Decision on proposed changes
RECOMMENDED ACTION: To approve the proposed changes to the United Healthcare/Medicare plan offerings for retirees (to be effective 1/1/2022).

DISCUSSION POINTS:

- Will provide cost information on current United Healthcare Medicare plans and compare that to savings of new, proposed plan.
- Will provide plan design comparison information of current plans to proposed plan.

Proposal for 2022 United Healthcare Medicare Plan Changes

Study Session – May 4, 2021



PROPOSAL

We are proposing that effective 1/1/2022, the following changes are made to the United Healthcare retiree Medicare plans:

- Remove the Senior Advantage HMO plan
- Remove the medical supplemental Plans F and G
- Remove the prescription Plan D
- Replace removed plans with the Senior Advantage PPO plan
- Freeze out-of-area reimbursements



PROPOSAL

United Healthcare recently presented plan details and cost of their Senior Advantage PPO plan.

Not only will this save money for the vast majority of UHC retirees, they will have access to enhanced benefits.



SR ADVANTAGE HMO vs SR ADVANTAGE PPO

SR ADVTG HMO - Current	SR ADVTG PPO - Proposed
\$443.29 monthly premium	\$210.24 monthly premium
Colorado only	National
Includes prescription coverage	Same prescription coverage



PLANS F/G/D vs SR ADVANTAGE PPO

PLANS F/G/D - Current	SR ADVTG PPO - Proposed
Varies based on age, gender, location	\$210.24 monthly premium
Whoever takes Medicare	Whoever takes Medicare
Not covered - House calls	Covered - House calls
Not covered - Hearing aids	Covered – Hearing aids
Insurance cards – Four	Insurance cards – One
Must purchase Part D for Rx	Includes Rx – Same formulary



Medicare Advantage vs. Medicare Supplement



	Group Medicare Advantage	Medicare Supplement
Clinical & Wellness engagement*	✓	✗
Care coordination*	✓	✗
Proactive Gap Care Closure	✓	✗
HouseCalls *	✓	✗
Wellness Rewards	✓	✗
Star Rating Measurements – MA	✓	✗
Stars Rating Measurements – PDP	✓	✗
Additional Value-Added Benefits	✓	✗
Reduced Premiums	✓	✗
Simplified Experience – ONE ID Card	✓	✗

* Voluntary retiree participation

COST COMPARISON

Sr. Advtg HMO (current) to the Sr. Advtg PPO (proposed)

Monthly Premium - Current

\$443.29

Monthly Premium – Proposed*

\$210.24

Monthly Savings

\$233.05

**Quoted 2021 rate*



COST COMPARISON

SAVINGS – PLANS F/G/D TO SR. ADVTG PPO

# Retirees Saving Money	187 out of 208 or 90%
Saving Range (monthly)	\$0.91 to \$225.11
Average Savings (monthly)	\$116.15
Those Without Our Rx Plan*	17

**Those not enrolled in our Rx plan are paying additional for prescription coverage elsewhere. This means some of these 17 retirees could save more money moving to the proposed plan.*



COST COMPARISON

HIGHER COST – PLANS F/G/D TO SR. ADVTG PPO

# Retirees with Higher Cost	21 out of 208 or 10%
Higher Cost Range (monthly)	\$0.76 to \$97.92
Average Higher Cost (monthly)	\$38.16
Those Without Our Rx Plan*	19

**Those not enrolled in our Rx plan are paying additional for prescription coverage elsewhere. This means some of these 19 retirees could actually save money moving to the proposed plan.*



OUT OF AREA REIMBURSEMENTS

We currently provide reimbursement (of the \$50 monthly county contribution) to retirees who purchase their own medical coverage elsewhere if the retiree moves to an area where service isn't covered by one of our plan options.

By adding the option of the UHC Senior Advantage PPO plan, that has in and out of network coverage nationwide, there is no longer a need to offer this reimbursement.



OUT OF AREA REIMBURSEMENTS

We are proposing to freeze the out-of-area reimbursement program:

- Continue reimbursement for retirees currently receiving.
- Effective 1/1/2022, no longer offer new retirees the out-of-area reimbursement since it is not needed.



RECAP

We are requesting approval of the following changes to be effective 1/1/2022:

- Remove the Senior Advantage HMO plan
- Remove the medical supplemental Plans F and G
- Remove the prescription Plan D
- Replace removed plans with the Senior Advantage PPO plan
- Freeze out-of-area reimbursements



Summary of Covered Benefits	UnitedHealthcare CURRENT	UnitedHealthcare Option 1 (1M)	UnitedHealthcare	UnitedHealthcare	UnitedHealthcare
	Medicare Advantage - HMO with Part D	Group Medicare Advantage PPO with Part D	Med Supp (Plan F)	Med Sup (Plan G)	Part D Prescription Drug Plan
	In-Network Only	Any Willing Medicare provider In or Out of Network	Any Willing Medicare provider	Any Willing Medicare provider	
Plan Year Deductible					
Individual	N/A	N/A	\$0/\$0	\$203	N/A
Family	N/A	N/A	N/A	N/A	N/A
Out-of-pocket Maximum					
Individual	6,700	\$0	\$0/not applicable	\$0/not applicable	N/A
Family	N/A	N/A	N/A	N/A	N/A
Physician Services					
PCP Office Visit	\$10 copay	\$0 copay	Plan pays 100%	Plan pays 100%	N/A
Specialist Office Visit	\$20 copay	\$0 copay	Plan pays 100%	Plan pays 100%	N/A
Preventive Care	Plan pays 100%	Plan pays 100%	Plan pays 100%	Plan pays 100%	N/A
Urgent Care (world wide)	\$10 copay	\$0 copay	Plan pays 100%	Plan pays 100%	N/A
Hospital Services					
Inpatient	\$250 copay per Admit	\$0 copay	Plan pays 100%	Plan pays 100%	N/A
Outpatient Surgery	\$125 copay	\$0 copay	Plan pays 100%	Plan pays 100%	N/A
Ambulance	\$50 copay	\$0 copay	Plan pays 100%	Plan pays 100%	N/A
Emergency Room (world wide)	\$50 copay (waived if admitted)	\$0 copay	\$250 copay, 80% /20% lifetime max benefit \$50,000	\$250 copay, 80% /20% lifetime max benefit \$50,000	N/A
Lab/X-Ray					
Diagnostic Lab	Plan pays 100%	\$0 copay	Plan pays 100%	Plan pays 100%	N/A
Diagnostic X-Ray	Plan pays 100%	\$0 copay	Plan pays 100%	Plan pays 100%	N/A
Prescriptions					
Part D Deductible	N/A	N/A	N/A	N/A	N/A
Catastrophic Coverage Gap (Donut hole)	N/A	N/A	N/A	N/A	\$4,130
Part D Out-Of-Pocket Maximum (TrOOP)	\$6,550	\$6,550	N/A	N/A	\$6,550
Tier 1 Preferred Generic	\$10 copay	\$10 copay	N/A	N/A	\$5 copay
Tier 2 Preferred Brand	\$20 copay	\$20 copay	N/A	N/A	\$10 copay
Tier 3 Preferred Brand	\$40 copay	\$40 copay	N/A	N/A	\$45 copay
Tier 4 Non-Preferred Brand	\$40 copay	\$40 copay	N/A	N/A	\$40% coinsurance
Tier 5 Specialty Drug	N/A	N/A	N/A	N/A	\$33% coinsurance
Mail Order (90 days)	2x copay	2x copay	N/A	N/A	refer to plan benefit guide
Catastrophic Coverage Per Script Max	\$3.70/\$9.20 or 5%	\$3.70/\$9.20 or 5%	N/A	N/A	\$3.70/\$9.20 or 5%
Rate	\$443.29	\$210.24	varies	varies	\$102.60