

**STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION
AND
ANOKA COUNTY
AND
CITY OF RAMSEY
COOPERATIVE CONSTRUCTION
AGREEMENT**

State Project Number:	<u>0202-116</u>	Total Original State Obligation
Trunk Highway Number:	<u>10=003</u>	<u>\$22,350,337.45</u>
State Project Number:	<u>002-596-026</u>	State Federal Funds
State Project Number:	<u>002-656-001</u>	<u>\$3,200,000.00</u>
State Project Number:	<u>002-657-003</u>	State SRC Funds
State Project Number:	<u>199-113-003</u>	<u>\$8,800,000.00</u>
State Project Number:	<u>199-115-006</u>	State Bond Funds
Federal Project Number:	<u>NHFP-STBG 0010(340)</u>	<u>\$10,350,337.45</u>
Lighting System A Feed Point No.:	<u>F04R</u>	Estimated Amount Receivable From the City
Lighting System B Feed Point No.:	<u>F04W</u>	<u>\$11,021.57</u>
Lighting System C Feed Point No.:	<u>F04U</u>	
Lighting System D Feed Point No.:	<u>F04Y</u>	
Lighting System E Feed Point No.:	<u>City</u>	
Lighting System F Feed Point No.:	<u>City</u>	
Lighting System G Feed Point No.:	<u>City</u>	
Lighting System H Feed Point No.:	<u>City</u>	
Bridge Numbers:	<u>02061, 02062</u>	

This Agreement is between the State of Minnesota, acting through its Commissioner of Transportation (State), Anoka County, acting through its Board of Commissioners (County), and the City of Ramsey, acting through its City Council (City).

Recitals

1. The County will perform grading, bituminous surfacing, ADA improvements, retaining walls, noise walls, high tension cable guardrail, TMS, lighting, roundabouts, and Bridges 02061, 02062, 02591, and 02592 construction and other associated construction upon, along, and adjacent to Trunk Highway (TH) 10 from 0.37 miles east of Armstrong Boulevard (County State Aid Highway [CSAH] 83) TO 0.57 miles east of Sunfish Lake Boulevard (CSAH 57) and on CSAH 56 from 0.02 miles south of TH 10/169 to 0.40 miles south of Bunker Lake Boulevard (CSAH 116) and on CSAH 57 from TH 10/169 to 0.11 miles south of Bunker Lake Boulevard (CSAH 116) and on Riverdale Drive from 0.15 miles west of Ramsey Boulevard to 0.13 miles east of Ramsey Boulevard, and on Sunfish Lake Boulevard from Riverdale Drive to TH 10 according to County-prepared plans, specifications, and special provisions designated by the County as State Project (SP) 002-596-026 and by the City and the State as SP 0202-116 (TH 10=003) (Project); and
2. The County requests the State participate in the costs of the grading, bituminous surfacing, ADA improvements, retaining walls, noise walls, high tension cable guardrail, TMS, lighting, and roundabouts construction and the State is willing to participate in the costs of said construction; and

3. The County requests the State provide construction engineering to consist of construction inspection, surveys and staking, and materials inspection and the State is willing to provide said construction engineering; and
4. The City requests that it perform construction engineering to consist of construction inspection and materials inspection in connection with the City water main and sanitary sewer construction and the State and the County concur in that request; and
5. The City will participate in the cost of the State performed surveys and staking construction engineering for the City water main and sanitary sewer construction; and
6. The Project has been determined to be eligible for the expenditure of Federal-Aid funds and is programmed in the federally approved STIP for the fiscal year 2023, and is identified in MnDOT records as State Project 0202-116 and in the Federal Highway Administration's records as Minnesota Project NHFP-STBG 0010(340); and
7. MnDOT Contract 1052131, which has been executed between the County and the State, appoints the State as the County's agent to receive and disburse transportation related federal funds and sets forth duties and responsibilities for letting, payment, and other procedures for a federally funded contract let by the County; and
8. The Federal-Aid funds available to the State for the construction contract are capped upon the award of the construction contract and will be paid to the County through the State Aid Finance Office under the Delegated Contract Process on a reimbursable basis after expenses have been incurred; and
9. The County has received Federal-Aid funds and will make those available to the State for the State portion of the contract. The Federal-Aid funds will be paid to the County through the State Aid Finance Office under the Delegated Contract Process on a reimbursable basis after expenses have been incurred; and
10. The State Federal-Aid funds will be paid to the County, up to a capped amount, under the Delegated Contract Process on a reimbursable basis after expenses have been incurred, as set forth in this Agreement; and
11. The State funds will be paid to the County, up to a capped amount, as set forth in this Agreement; and
12. The Catalog of Federal Domestic Assistance number or CFDA number is 20.205; and
13. Minnesota Statutes § 161.20, subdivision 2 authorizes the Commissioner of Transportation to make arrangements with and cooperate with any governmental authority for the purposes of constructing, maintaining, and improving the trunk highway system.

Agreement

1. Term of Agreement; Survival of Terms; Plans; Incorporation of Exhibits

- 1.1. **Effective Date.** This Agreement will be effective on the date the State obtains all signatures required by Minnesota Statutes § 16C.05, subdivision 2.
- 1.2. **Expiration Date.** This Agreement will expire when all obligations have been satisfactorily fulfilled.
- 1.3. **Survival of Terms.** All clauses which impose obligations continuing in their nature and which must survive in order to give effect to their meaning will survive the expiration or termination of this Agreement, including, without limitation, the following clauses: 2.4. State Ownership of Improvements; 5. Maintenance by the City; 6. Maintenance by the County; 7. Roundabout Maintenance; 8. Bridge Ownership and Maintenance; 14. Liability; Worker Compensation Claims; Insurance; 17. State Audits; 18. Government Data Practices; 20. Governing Law; Jurisdiction; Venue; and 22. Force Majeure.

- 1.4. **Plans, Specifications, and Special Provisions.** State-approved County plans, specifications, and special provisions designated by the County as SP 002-596-026 and by the City and the State as SP 0202-116 (TH 10=003) are on file in the office of the County's Engineer and incorporated into this Agreement by reference (Project Plans).
- 1.5. **Duties of the County.** The County will perform all of its duties and obligations in MnDOT Contract 1052131, which is incorporated herein by reference, in the solicitation, letting, award, and administration of the construction of the Project.
- 1.6. **Exhibits.** Preliminary Schedule "I" is attached and incorporated into this Agreement. Exhibit A – Signing Ownership and Maintenance, Exhibit B – Drainage Ownership and Maintenance, Exhibit C – Wall Maintenance, and Exhibit D – Lighting Maintenance are on file in the office of the State's Cooperative Agreements Engineer at Saint Paul and incorporated into this Agreement by reference.

2. Right-of-Way Use

- 2.1. **Limited Right to Occupy.** The State grants to the County and the City (and their contractors and consultants) the right to occupy Trunk Highway Right-of-Way as necessary to perform the work described in the Project Plans. This right is limited to the purpose of constructing the Project and administering such construction and may be revoked by the State at any time, with or without cause. Cause for revoking this right of occupancy includes, but is not limited to, breaching the terms of this or any other agreement (relevant to this Project) with the State, failing to provide adequate traffic control or other safety measures, failing to perform the construction properly and in a timely manner, and failing to observe applicable environmental laws or terms of applicable permits. The State will have no liability to the County or the City (or their contractors or consultants) for revoking this right of occupancy.
- 2.2. **State Access; Suspension of Work; Remedial Measures.** The State's District Engineer or assigned representative retains the right to enter and inspect the Trunk Highway Right-of-Way (including the construction being performed on such right-of-way) at any time and without notice to the County or the City or their contractors. If the State determines (in its sole discretion) that the construction is not being performed in a proper or timely manner, or that environmental laws (or the terms of permits) are not being complied with, or that traffic control or other necessary safety measures are not being properly implemented, then the State may notify and require the County and the City (and their contractors and consultants) to suspend their operations until the County and the City (and their contractors and consultants) take all necessary actions to rectify the situation to the satisfaction of the State. The State will have no liability to the County or the City (or their contractors or consultants) for exercising or failing to exercise its rights under this provision.
- 2.3. **Traffic Control; Worker Safety.** While the County and the City (and their contractors and consultants) are occupying the State's Right-of-Way, they must comply with the approved traffic control plan, and with applicable provisions of the Work Zone Field Handbook (<http://www.dot.state.mn.us/trafficeng/workzone/index.html>). All County, City, contractor, and consultant personnel occupying the State's Right-of-Way must be provided with required reflective clothing and hats.
- 2.4. **State Ownership of Improvements.** The State will retain ownership of its Trunk Highway Right-of-Way, including any improvements made to such right-of-way under this Agreement, unless otherwise noted. The warranties and guarantees made by the County's contractor with respect to such improvements (if any) will flow to the State. The County will assist the State, as necessary, to enforce such warranties and guarantees, and to obtain recovery from the County's consultants and contractor (including its sureties) for non-performance of contract work, for design errors and omissions, and for defects in materials and workmanship. Upon request of the State, the County will undertake such actions as are reasonably necessary to transfer or assign contract rights to the State and to permit subrogation by the State with respect to claims against the County's consultants and contractors.

2.5. Utility Relocation. The State authorizes the County to issue Notices and Orders for utility relocation in accordance with Minnesota Statutes §161.45 and Minnesota Rules Part 8810.3100 through 8810.3600.

3. Contract Award and Construction

3.1. Bids and Award. The County will receive bids and award a construction contract to the lowest responsible bidder (or best value proposer), subject to concurrence by the State in that award, according to the Project Plans. The contract construction will be performed according to the Project Plans.

3.2. Bid Documents Furnished by the County. The County will, within seven days of opening bids for the construction contract, submit to the State's District Engineer a copy of the low bid and an abstract of all bids together with the County's request for concurrence by the State in the award of the construction contract. The County will not award the construction contract until the State advises the County in writing of its concurrence.

3.3. Rejection of Bids. The County may reject and the State may require the County to reject any or all bids for the construction contract. The party rejecting or requiring the rejection of bids must provide the other party written notice of that rejection or requirement for rejection no later than 30 days after opening bids. Upon the rejection of all bids, a party may request, in writing, that the bidding process be repeated. Upon the other party's written approval of such request, the County will repeat the bidding process in a reasonable period of time, without cost or expense to the State.

3.4. Contract Terms. The County's contract with its construction contractor(s) must include the following terms:

- A.** A clause making the State of Minnesota, acting through its Commissioner of Transportation, an intended third-party beneficiary of the contract with respect to the portion of work performed on the State's Right-of-Way; and
- B.** A clause requiring the State to be named as an additional insured on any insurance coverage which the contractor is required to provide; and
- C.** A clause stating that any warranties provided by the contractor, for the work performed on the trunk highway, will flow to, and be enforceable by, the State as the owner of such improvements.

3.5. Direction, Supervision, and Inspection of Construction

- A.** The contract construction will be under the direction of the County and under the supervision of a registered professional engineer; however, the State will perform construction inspection, materials inspection, and surveys and staking for all construction items except for the City water main and sanitary sewer construction. The City will be responsible for the construction engineering for the City water main and sanitary sewer construction including, but not limited to, construction inspection and materials inspection. The State will provide surveys and staking for the City water main and sanitary sewer construction. The County will give the State Aid Agreements Engineer at Roseville five days' notice of its intention to start the contract construction.
- B.** Responsibility for the control of materials for the contract construction will be on the County and its contractor and will be carried out according to Specifications 1601 through and including 1609 in the State's current *Standard Specifications for Construction*.

3.6. Contaminated Soils and Groundwater within the State's Cost Participation Limits

- A. 24 Hour Notification.** The County will notify the State District Engineer's authorized representative a minimum of 24 hours prior to the contractor beginning the excavation and removal of any contaminated soils that have been identified within the Project limits.

- B. Immediate Notification.** The County will notify the State District Engineer's authorized representative immediately upon the contractor encountering contaminated soils and/or groundwater in areas that are within the Project limits. The County will confer with the State as to the handling, disposal, and any other issues related to contaminated materials found on State Right-of-Way or import of materials onto State Right-of-Way.
- C. Environmental Consultant.** The County will provide for an Environmental Consultant to be on site to observe and document the excavation, handling, and disposal of contaminated soils that have been identified within the Project limits. If the contractor encounters contaminated materials in areas not previously identified and upon notification by the County to the State, the County hired Environmental Consultant will be provided to collect and analyze soil and/or groundwater samples to determine contaminant levels, work with the landfill for disposal of the soil waste, and provide oversight of any soil and groundwater handling and disposal. The County will not allow the contractor to excavate any contaminated soil unless the Environmental Consultant is present.

3.7. Completion of Construction. The County will cause the contract construction to be started and completed according to the time schedule in the construction contract special provisions. The completion date for the contract construction may be extended, by an exchange of letters between the appropriate County official and the State District Engineer's authorized representative, for unavoidable delays encountered in the performance of the contract construction.

3.8. Plan Changes. The State will not participate in the cost of any contract construction that is in addition to the State participation construction covered under this Agreement unless the following conditions have been met:

- A.** The necessary State funds have been encumbered.
- B.** All changes in the Project Plans and all addenda, change orders, supplemental agreements, and work orders entered into by the County and its contractor for State participation construction are approved in writing by the State District Engineer's authorized representative.

3.9. State Furnished Engineering Services. Upon written request from the County, the State may furnish specific engineering or technical services, pursuant to Minnesota Statutes § 161.39. Such services may be covered by other technical services agreements. The County will pay the State to reimburse the Trunk Highway Fund for the full cost and expense of furnishing such services upon the State's requests for reimbursement. The costs and expenses will include the current State labor additives and overhead rates, subject to adjustment based on actual direct costs that have been verified by audit. Providing such services will not make the State a principal or co-principal with respect to liability regarding the contract construction.

3.10. Compliance with Laws, Ordinances, and Regulations

- A.** The County will comply and cause its contractor to comply with all Federal, State, and Local laws, and all applicable ordinances and regulations. With respect only to that portion of work performed on the State's Trunk Highway Right-of-Way, the County will not require the contractor to follow local ordinances or to obtain local permits.
- B.** County treatment of all public, private, or cooperatively owned utility facilities which directly or indirectly serve the public and which occupy highway rights of way will conform to 23 CFR 645 "Utilities" which is incorporated into this Agreement by reference.

4. Right-of-Way; Easements; Permits

4.1. The County will obtain all rights-of-way, easements, construction permits, and any other permits and sanctions that may be required in connection with the local and trunk highway portions of the contract

construction. Before payment by the State, the County will furnish the State with certified copies of the documents for rights-of-way and easements, construction permits, and other permits and sanctions required for State participation construction covered under this Agreement.

- 4.2. The County will convey to the State by quit claim deed all newly acquired rights needed for the continuing operation and maintenance of the Trunk Highway, if any, upon completion of the Project at no cost or expense to the State.
- 4.3. The County will comply with Minnesota Statutes § 216D.04, subdivision 1(a), for identification, notification, design meetings, and depiction of utilities affected by the contract construction.
- 4.4. The City will submit to the State's Utility Engineer an original permit application for all utilities owned by the City to be constructed upon and within the Trunk Highway Right-of-Way. Applications for permits will be made on State form "Application for Utility Permit on Trunk Highway Right-of-Way" (Form 2525).
- 4.5. The City will submit to the Minnesota Pollution Control Agency the plans and specifications for the construction or reconstruction of its sanitary sewer facilities to be performed under the construction contract and obtain, under Minnesota Statutes § 115.07 or Minnesota Rules 7001.1030, subpart 2C, either a permit or written waiver from that agency for that construction or reconstruction. The City is advised that under Minnesota Rules 7001.1040, a written application for the permit or waiver must be submitted to the Minnesota Pollution Control Agency at least 180 days before the planned date of the sanitary sewer facility construction or reconstruction.
- 4.6. The City will obtain, through the District's Right-of-Way Area Manager, a Limited Use Permit (LUP), currently LUP 0202-0108, to cover the City's liability responsibilities of trails to be constructed upon the State's Right-of-Way.

5. Maintenance by the City

Upon completion of the Project, the City will provide the following without cost or expense to the State:

- 5.1. **Roadways.** Maintenance of the NW Frontage Road, North Frontage Road, NE Frontage Road, and Riverdale Drive. Maintenance includes, but is not limited to, snow, ice and debris removal, resurfacing, seal coating, and any other maintenance activities according to accepted City maintenance practices.
- 5.2. **Storm Sewers.** Routine maintenance of storm sewer facilities construction as shown on Exhibit B – Drainage Ownership and Maintenance. Routine maintenance includes, but is not limited to, removal of sediment, debris, vegetation, and ice from grates and catch basins, and any other maintenance activities necessary to preserve the facilities and to prevent conditions such as flooding, erosion, or sedimentation, this also includes informing the District Maintenance Engineer of any needed repairs.
- 5.3. **Stormwater Basin Responsibilities**

A. Old Holiday Stormwater Basin

The City will share the maintenance responsibilities of the Old Holiday stormwater basin. Maintenance will include, but not be limited to, litter, debris and silt removal, mowing, erosion repairs, and any other maintenance activities necessary to preserve the facilities and to prevent conditions such as flooding, erosion, sedimentation, or accelerated deterioration of the facilities. The City will be responsible, to the extent provided by law, for its own acts and omissions in connection with maintaining the stormwater basin.

The State will share in the cost of future major maintenance at a rate based on the ratio of contributing water volume entering into the basin at the time that the major maintenance is required. The State's contributing water volume entering into the basin at the time it was designed is 26 percent. Major maintenance includes, but is not limited to, removal of sediment, repair of major erosion problems,

major structure and entrance pipe repair, and any other major maintenance activities necessary to preserve the facilities and to prevent conditions such as flooding, erosion, sedimentation, or accelerated deterioration of the facilities. The State and the City may enter into a separate agreement to define additional responsibilities for maintenance of the basin.

The State will share in all responsibilities, obligations, and liabilities arising out of or by reason of the drainage collecting into and being discharged from the basin. The State will share such responsibilities, obligations, and liabilities at a rate based on the ratio of contributing water volume entering into the basins as referenced in the previous paragraph; however, contributing water volume ratios may change based on development and alteration of land use in the vicinity.

B. Kilo Wet Basin, Juliet Infiltration Basin, and India Infiltration Basin

The City will share in the cost of future major maintenance at a rate based on the ratio of contributing water volume entering into the basin at the time that the major maintenance is required. The City's contributing water volume entering into the basins at the time they were designed is 76 percent for the Kilo wet basin, 89 percent for the Juliet infiltration basin, and 84 percent for the India infiltration basin. Major maintenance includes, but is not limited to, removal of sediment, repair of major erosion problems, major structure and entrance pipe repair, and any other major maintenance activities necessary to preserve the facilities and to prevent conditions such as flooding, erosion, sedimentation, or accelerated deterioration of the facilities. The State and the City may enter into a separate agreement to define additional responsibilities for maintenance of the basins.

The City will share in all responsibilities, obligations, and liabilities arising out of or by reason of the drainage collecting into and being discharged from the basin. The City will share such responsibilities, obligations, and liabilities at a rate based on the ratio of contributing water volume entering into the basins as referenced in the previous paragraph; however, contributing water volume ratios may change based on development and alteration of land use in the vicinity.

- 5.4. *Municipal Utilities.*** Maintenance of any municipal-owned utilities construction, without cost or expense to the State.
- 5.5. *Trails.*** Maintenance of any trail construction. Maintenance includes, but is not limited to, snow and ice control/removal, sweeping and debris removal, patching, crack repair, pavement replacement, vegetation control, signing, pavement markings, and any other maintenance activities necessary to perpetuate the trails in a safe and usable condition. The LUP, currently LUP 0202-0108, will address additional maintenance and liability responsibilities for the nonmotorized trail.
- 5.6. *Retaining Walls.*** Maintenance of retaining wall construction as shown on Exhibit C – Wall Maintenance. Maintenance includes graffiti removal and any other maintenance activities necessary to perpetuate the walls in a safe, usable, and aesthetically acceptable condition.
- 5.7. *Noise Walls.*** Maintenance of the non-highway side of noise wall construction as shown on Exhibit C – Wall Maintenance. Maintenance includes vegetation control, graffiti removal on the non-highway side, and any other maintenance activities necessary to perpetuate the walls in a safe, usable, and aesthetically acceptable condition.
- 5.8. *Signing.*** Exhibit A – Signing Ownership and Maintenance shows the signs that will be maintained by the City according to City maintenance practices.
- 5.9. *Lighting.*** Maintenance and ownership of lighting facilities construction as shown on Exhibit D – Lighting Maintenance. Maintenance of electrical lighting systems includes everything within the system, from the point of attachment to the power source or utility, to the last light on the feed point, including but not limited to re-lamping of lighting units or replacing of LED luminaires, repair or replacement of all damaged

luminaire glassware, loose connections, luminaires when damaged or when ballasts fail, photoelectric control on luminaires, defective starter boards or drivers, damaged fuse holders, blown fuses, knocked down poles including wiring within the poles, damaged poles, pull boxes, underground wire, damaged foundations, equipment pad, installation of approved splices or replacement of wires, repair or extending of conduit, lighting cabinet maintenance including photoelectric cell, electrical distribution system, Gopher State One Call (GSOC) locates, and painting of poles and other equipment. The City will be responsible for the hook up cost and application to secure an adequate power supply to the service pad or pole and will pay all monthly electrical service expenses necessary to operate the lighting facility.

5.10. Additional Drainage. No party to this Agreement will drain any additional drainage volume into the storm sewer facilities constructed under the construction contract that was not included in the drainage for which the storm sewer facilities were designed, without first obtaining written permission to do so from the other party.

6. Maintenance by the County

Upon completion of the Project, the County will provide the following without cost or expense to the State:

- 6.1. Storm Sewers.** Routine maintenance of storm sewer facilities construction as shown on Exhibit B – Drainage Ownership and Maintenance. Routine maintenance includes, but is not limited to, removal of sediment, debris, vegetation, and ice from grates and catch basins, and any other maintenance activities necessary to preserve the facilities and to prevent conditions such as flooding, erosion, or sedimentation, this also includes informing the District Maintenance Engineer of any needed repairs.
- 6.2. Signing.** Exhibit A – Signing Ownership and Maintenance shows the signs that will be maintained by the County according to County maintenance practices.
- 6.3. Retaining Walls.** Maintenance of retaining wall construction as shown on Exhibit C – Wall Maintenance. Maintenance includes graffiti removal and any other maintenance activities necessary to perpetuate the walls in a safe, usable, and aesthetically acceptable condition.
- 6.4. Additional Drainage.** No party to this Agreement will drain any additional drainage volume into the storm sewer facilities constructed under the construction contract that was not included in the drainage for which the storm sewer facilities were designed, without first obtaining written permission to do so from the other party.

7. Roundabout Maintenance

Maintenance will be as described below for the roundabouts at the intersections of TH 10 and Ramsey Boulevard, the North Frontage Road, and the Ramsey Boulevard westbound exit ramp (Ramsey Boulevard North Roundabout), Ramsey Boulevard, Riverdale Drive, and the Ramey Boulevard eastbound exit ramp (Ramsey Boulevard South Roundabout), Sunfish Lake Boulevard, the Northeast Frontage Road, and the Sunfish Lake Boulevard westbound exit ramp (Sunfish Lake Boulevard North Roundabout), and Sunfish Lake Boulevard and the Sunfish Lake eastbound entrance and exit ramps (Sunfish Lake Boulevard South Roundabout).

- 7.1. Roundabout Approaches.** The State, County, and City will each provide maintenance of their respective approaches up to the curb line of the outer circle of the roundabouts. Maintenance includes, but is not limited to, snow, ice and debris removal, resurfacing, seal coating, and any other maintenance activities according to accepted County and City maintenance practices.
- 7.2. Roundabout Circle.** The State, County, and City will provide for snow, ice and debris removal of the roadway portion of the roundabout circle in conjunction with ongoing maintenance activities of their respective roadway approaches to the roundabout circle. The State will provide for resurfacing, seal coating, and any other maintenance activities necessary to perpetuate the roadway portion of the roundabout circle in a safe and usable condition.

- 7.3. Roundabout Landscaping.** The City will provide maintenance of any landscaping in the roundabouts. Maintenance includes but is not limited to, vegetation control, litter and debris removal, removal and replacement of all dead or diseased plantings, and any other maintenance activities necessary to perpetuate the landscaping in a safe, usable, and aesthetically acceptable condition.
- 7.4. Lighting.** Maintenance of lighting at and approaching the roundabout, including all legs and within the roundabout, will be shared between the State and the City. The City will be responsible for the hook up cost and application to secure an adequate power supply to the service pad or pole and will pay all monthly electrical service expenses necessary to operate the lighting facility. The City will be responsible for minor maintenance, including, but not limited to re-lamping or LED luminaire replacement, repair or replacement of all damaged luminaire glassware, luminaires when damaged or when ballasts fail, photoelectric control on luminaires, and painting of poles and other equipment, if applicable, for the entire system. The State will be responsible for major maintenance, including, but not limited to Gopher State One Call (GSOC) locates, knocked down poles including wiring within the poles, damaged poles, pull boxes, underground wire, loose connections, damaged foundations, defective starter boards or drivers, damaged fuse holders, and blown fuses for the entire system.

8. Bridge Ownership and Maintenance

8.1. Bridge 02061 (Ramsey Boulevard over TH 10) and Bridge 02061 (Sunfish Lake Boulevard over TH 10). The State will share ownership responsibilities for the bridges with the County. The State will be listed as the owner of the bridges in the National Bridge Inspection Standards database. State, County, and City responsibilities for the bridges are as follows:

- A. County Responsibilities.** The County will be responsible for minor maintenance and repair, which includes all non-structural maintenance activities on the bridges, without any cost to the State. Minor maintenance and repair includes, but is not limited to, keeping the roadway, bridge deck, shoulders, medians, and gutters clear of ice, snow, litter, and debris, appropriate disposal of such material, pavement markings, guardrail, non-structurally supported signing for the purpose of CSAH 56 and CSAH 57 traffic, and any other maintenance activities necessary to perpetuate the bridges in a safe, usable, and aesthetically acceptable condition. The County will be responsible for oversize, overweight, and special use permits.
- B. City Responsibilities.** The City will be responsible for maintenance of any sidewalk and/or trail on the bridges and approach panels, without any cost to the State. Maintenance includes, but is not limited to, snow, ice, debris, and graffiti removal, pavement marking maintenance, and signing maintenance. The City will own and maintain non-standard (aesthetic) elements such as decorative lighting, ornamental metal railing and any elements later added to the bridge. Maintenance of the aesthetic elements includes, but is not limited to, graffiti removal and other routine maintenance activities necessary to perpetuate the aesthetic elements in a safe, usable, and aesthetically acceptable condition.
- C. State Responsibilities.** The State will perform structural inspections and major maintenance of the bridges without any cost to the County. Major maintenance includes all structural related maintenance, including expansion joint flushing, deck crack sealing, crack sealing trails on the bridge and on approach panels, painting, overlays, redecking and rehabilitation of the bridge, concrete bridge approach panels, and structurally-supported signing on the bridge. The State will be responsible for maintenance of all guardrails on TH 10 below the bridges, roadway signing that is attached to the bridges for the purpose of TH 10 traffic, non-ornamental fencing on the Trunk Highway Right-of-Way, and graffiti removal within the control of access below the bridges. The State will determine the safe load rating for the bridges. The State will provide emergency response for traffic hits and restitution from insurance companies or private parties who have damaged the bridges.

9. State Cost and Payment by the State

- 9.1. State Cost.** The State's cost for grading, bituminous surfacing, ADA improvements, retaining walls, noise walls, high tension cable guardrail, TMS, lighting, and roundabouts construction is defined in the construction plan and the attached Schedule "I" and is reflective of the Participation Distribution prepared by the Office of State Aid for Local Transportation.
- A. State Federal-Aid Funds and State Match to the Federal-Aid Funds.** **\$3,200,000.00** is the State Federal-Aid funded portion and **\$800,000.00** is the State Match to the State Federal-Aid funds of the State construction cost share and will be paid to the County through the State Aid Finance Office under the Delegated Contract Process (State Aid Manual, Chapter 5.3). The State Federal-Aid funds and State match to Federal-Aid funds will be capped at **\$4,000,000.00**.
- B. State SRC Funds.** **\$8,000,000.00** is the capped amount of the estimated State funded construction cost share and will be paid to the County through the State Aid Finance Office under the Delegated Contract Process (State Aid Manual, Chapter 5.3).
- C. State Bond Funds.** **\$10,350,337.45** is the capped amount of the estimated State bond funded construction cost share and will be paid to the County through the State Aid Finance Office under the Delegated Contract Process (State Aid Manual, Chapter 5.3).
- 9.2. Limitations of State Payment; No State Payment to Contractor.** The State's participation in the contract construction is limited to the estimated amounts shown in Article 10.1, and the State's participation will not change except by a mutually agreed written amendment to this Agreement. The State's payment obligation extends only to the County. The County's contractor is not intended to be and will not be deemed to be a third-party beneficiary of this Agreement. The County's contractor will have no right to receive payment from the State. The State will have no responsibility for claims asserted against the County by the County's contractor.
- 9.3. Schedule "I".** The Preliminary Schedule "I" includes all anticipated State participation construction items covered under this Agreement. The Preliminary Schedule "I" is based upon estimated quantities and estimated unit prices. After the construction contract is awarded, the State will prepare a Revised Schedule "I" based on construction contract unit prices and based upon the Participation Distribution prepared by the Office of State Aid for Local Transportation. The Revised Schedule "I" will replace and supersede the Preliminary Schedule "I".
- 9.4. Addenda, Change Orders, Supplemental Agreements, and Work Orders.** The State will share in the costs of construction contract addenda, change orders, supplemental agreements, and work orders that are necessary to complete the State participation construction covered under this Agreement and are approved in writing by the State District Engineer's authorized representative.
- 9.5. Liquidated Damages.** All liquidated damages assessed the County's contractor in connection with the construction contract will result in a credit shared by each party in the same proportion as their total construction cost share covered under this Agreement is to the total contract construction cost before any deduction for liquidated damages.
- 9.6. Records Keeping and Invoicing by the County.** The State will provide the County with a Payment Processing Package containing a Modified Schedule "I" form, instructions, and samples of documents for processing final payment of the State participation construction covered under this Agreement.
- The County will keep records and accounts that enable it to provide the State with the following prior to final payment:
- A.** A copy of the Modified Schedule "I" which includes final quantities of State participation construction.
- B.** Copies of the County contractor's invoice(s) covering all contract construction.

- C. Copies of the endorsed and canceled County warrant(s) or check(s) paying for final contract construction, or computer documentation of the warrant(s) issued, certified by an appropriate County official that final construction contract payment has been made.
 - D. Copies of all construction contract change orders, supplemental agreements, and work orders.
 - E. A certification form, attached to a copy of the Final Schedule "I", both provided by the State. The certification form will be signed by the County's Engineer in charge of the contract construction attesting to the following:
 - i. Satisfactory performance and completion of all contract construction according to the Project Plans.
 - ii. Acceptance and approval of all materials furnished for the contract construction relative to compliance of those materials to the State's current *Standard Specifications for Construction*.
 - iii. Full payment by the County to its contractor for all contract construction.
 - F. When requested, copies certified by the County's Engineer, of material sampling reports and material testing results for the materials furnished for the contract construction.
 - G. A copy of the "as built" plan sent to the State Aid Agreements Engineer.
 - H. A formal invoice (original and signed) in the amount due the County as shown in the Final Schedule "I".
- 9.7. Final Payment by the State.** Upon completion of all contract construction, the State will prepare a Final Schedule "I" in conjunction with the Delegated Contract Process. The Final Schedule "I" will be based on final quantities, and include all State participation construction items covered under this Agreement. If the final cost of the State participation construction exceeds the amount of funds advanced by the State, the State will pay the difference to the County without interest. If the final cost of the State participation construction is less than the amount of funds advanced by the State, the County will refund the difference to the State without interest.

The State and the County waive claims for any payments or refunds less than \$5.00 according to Minnesota Statutes § 15.415.

10. Basis of City Cost

- 10.1. Schedule "I".** The Preliminary Schedule "I" includes the City's anticipated construction engineering cost share covered under this Agreement and is based on anticipated City participation construction items and engineer's estimated unit prices.
- 10.2. Construction Engineering Costs.** The City will pay a construction engineering charge equal to 2 percent of the total City water main and sanitary sewer construction and 5 percent of the remaining City participation construction covered under this Agreement.
- 10.3. Plan Changes, Additional Construction, Etc.** The State reserves the right to invoice the City for the cost of any additional construction engineering cost share resulting from any City requested work and plan changes, construction contract addenda, change orders, and associated construction engineering before the completion of the contract construction.

11. City Cost and Payment by the City

- 11.1. City Cost. \$11,021.57** is the City's estimated share of the construction engineering cost share as shown in the Preliminary Schedule "I". The Preliminary Schedule "I" was prepared using anticipated construction items and estimated quantities and unit prices and may include any credits or lump sum costs. Upon award of the construction contract, the State will prepare a Revised Schedule "I" based on construction

contract construction items, quantities, and unit prices, which will replace and supersede the Preliminary Schedule "I" as part of this Agreement.

11.2. Conditions of Payment. The City will pay the State the City's total estimated construction engineering cost share, as shown in the Revised Schedule "I", after the following conditions have been met:

- A. Execution of this Agreement and transmittal to the City, including a copy of the Revised Schedule "I".
- B. The City's receipt of a written request from the State for the advancement of funds.

11.3. Final Payment by the City. Upon completion of all contract construction and upon computation of the final amount due the County's contractor, the State will prepare a Final Schedule "I" and submit a copy to the City. The Final Schedule "I" will be based on final quantities and include the City's construction engineering cost share covered under this Agreement. If the final cost of the City's construction engineering cost share exceeds the amount of funds advanced by the City, the City will pay the difference to the State without interest. If the final cost of the City's construction engineering cost share is less than the amount of funds advanced by the City, the State will refund the difference to the City without interest.

The State and the City waive claims for any payments or refunds less than \$5.00 according to Minnesota Statutes § 15.415.

12. Authorized Representatives

Each party's Authorized Representative is responsible for administering this Agreement and is authorized to give and receive any notice or demand required or permitted by this Agreement.

12.1. The State's Authorized Representative will be:

Name, Title: Malaki Ruranika, Cooperative Agreements Engineer (or successor)
 Address: 395 John Ireland Boulevard, Mailstop 682, Saint Paul, MN 55155
 Telephone: (651) 366-4634
 Email: malaki.ruranika@state.mn.us

12.2. The County's Authorized Representative will be:

Name, Title: Joe MacPherson, Transportation Division Manager/County Engineer (or successor)
 Address: 1440 Bunker Lake Boulevard NW, Andover, MN 55304
 Telephone: (763) 324-3199
 Email: joemacpherson@co.anoka.mn.us

12.3. The City's Authorized Representative will be:

Name, Title: Bruce Westby, City Engineer/Public Works Director (or successor)
 Address: 7550 Sunwood Drive NW, Ramsey, MN 55303
 Telephone: (763) 433-9825
 Email: bwestby@cityoframsey.com

13. Assignment; Amendments; Waiver; Contract Complete

13.1. Assignment. No party may assign or transfer any rights or obligations under this Agreement without the prior consent of the other party and a written assignment agreement, executed and approved by the same parties who executed and approved this Agreement, or their successors in office. The foregoing does not prohibit the County and/or the City from contracting with a third party to perform County or City maintenance responsibilities covered under this Agreement.

13.2. Amendments. Any amendment to this Agreement must be in writing and will not be effective until it has been executed and approved by the same parties who executed and approved the original Agreement, or their successors in office.

13.3. Waiver. If a party fails to enforce any provision of this Agreement, that failure does not waive the provision or the party's right to subsequently enforce it.

13.4. Contract Complete. This Agreement contains all prior negotiations and agreements between the State, the County, and the City. No other understanding regarding this Agreement, whether written or oral, may be used to bind any party.

14. Liability; Worker Compensation Claims; Insurance

14.1. Each party is responsible for its own acts, omissions and the results thereof to the extent authorized by law and will not be responsible for the acts and omissions of others and the results thereof. Minnesota Statutes § 3.736 and other applicable law govern liability of the State. Minnesota Statutes Chapter 466 and other applicable law govern liability of the County and the City. Notwithstanding the foregoing, the County and the City will indemnify, hold harmless, and defend (to the extent permitted by the Minnesota Attorney General) the State against any claims, causes of actions, damages, costs (including reasonable attorney's fees), and expenses arising in connection with the Project covered by this Agreement, regardless of whether such claims are asserted by the County's contractor(s) or consultant(s) or by a third party because of an act or omission by the County or its contractor(s) or consultant(s).

14.2. Each party is responsible for its own employees for any claims arising under the Workers Compensation Act.

14.3. The County may require its contractor to carry insurance to cover claims for damages asserted against the County's contractor.

15. Nondiscrimination

Provisions of Minnesota Statutes § 181.59 and of any applicable law relating to civil rights and discrimination are considered part of this Agreement.

16. Title VI/Non-discrimination Assurances

The County agrees to comply with all applicable US DOT Standard Title VI/Non-Discrimination Assurances contained in DOT Order No. 1050.2A, and in particular Appendices A and E, which can be found at: https://edocs-public.dot.state.mn.us/edocs_public/DMResultSet/download?docId=11149035. If federal funds are included in this Agreement, the County will ensure the appendices and solicitation language within the assurances are inserted into contracts as required. The State may conduct a review of the County's compliance with this provision. The County must cooperate with the State throughout the review process by supplying all requested information and documentation to the State, making County staff and officials available for meetings as requested, and correcting any areas of non-compliance as determined by the State.

17. State Audits

Under Minnesota Statutes § 16C.05, subdivision 5, the County's and the City's books, records, documents, accounting procedures, and practices relevant to this Agreement are subject to examination by the State and the State Auditor or Legislative Auditor, as appropriate, for a minimum of six years from the end of this Agreement.

18. Government Data Practices

The County, the City, and the State must comply with the Minnesota Government Data Practices Act, Minnesota Statutes Chapter 13, as it applies to all data provided under this Agreement, and as it applies to all data created, collected, received, stored, used, maintained, or disseminated by the County and the City under this Agreement. The civil remedies of Minnesota Statutes §13.08 apply to the release of the data referred to in this clause by the County, the City, or the State.

19. Telecommunications Certification

By signing this Agreement, the County certifies that, consistent with Section 889 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019, Pub. L. 115-232 (Aug. 13, 2018), and 2 CFR 200.216, the County will not use funding covered by this Agreement to procure or obtain, or to extend, renew, or enter into any contract to procure or obtain, any equipment, system, or service that uses "covered telecommunications equipment or services" (as that term is defined in Section 889 of the Act) as a substantial or essential component of any system or as critical technology as part of any system. The County will include this certification as a flow down clause in any contract related to this Agreement.

20. Governing Law; Jurisdiction; Venue

Minnesota law governs the validity, interpretation, and enforcement of this Agreement. Venue for all legal proceedings arising out of this Agreement, or its breach, must be in the appropriate state or federal court with competent jurisdiction in Ramsey County, Minnesota.

21. Termination; Suspension

21.1. *By Mutual Agreement.* This Agreement may be terminated by mutual agreement of the parties or by the State for insufficient funding as described below.

21.2. *Termination for Insufficient Funding.* The State may immediately terminate this Agreement if it does not obtain funding from the Minnesota Legislature, or other funding source; or if funding cannot be continued at a level sufficient to allow for the payment of the services covered here. Termination must be by written or fax notice to the County and the City. The State is not obligated to pay for any services that are provided after notice and effective date of termination. However, the County and/or the City will be entitled to payment, determined on a pro rata basis, for services satisfactorily performed to the extent that funds are available. The State will not be assessed any penalty if this Agreement is terminated because of the decision of the Minnesota Legislature, or other funding source, not to appropriate funds.

21.3. *Suspension.* In the event of a total or partial government shutdown, the State may suspend this Agreement and all work, activities, performance, and payments authorized through this Agreement. Any work performed during a period of suspension will be considered unauthorized work and will be undertaken at the risk of non-payment.

22. Force Majeure

No party will be responsible to the other for a failure to perform under this Agreement (or a delay in performance) if such failure or delay is due to a force majeure event. A force majeure event is an event beyond a party's reasonable control, including but not limited to, unusually severe weather, fire, floods, other acts of God, labor disputes, acts of war or terrorism, or public health emergencies.

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STATE ENCUMBRANCE VERIFICATION

Individual certifies that funds have been encumbered as required by Minnesota Statutes § 16A.15 and 16C.05.

Signed: _____

Date: _____

SWIFT Purchase Order: 3000710184

ANOKA COUNTY

The undersigned certify that they have lawfully executed this contract on behalf of the Governmental Unit as required by applicable charter provisions, resolutions, or ordinances.

By: _____
(Chair, Anoka County Board of Commissioners)

Date: _____

By: _____
(Anoka County Administrator)

Date: _____

Recommended for Approval:

By: _____
(Anoka County Engineer)

Date: _____

Approved as to form:

By: _____
(Assistant Anoka County Attorney)

Date: _____

DEPARTMENT OF TRANSPORTATION

Recommended for Approval:

By: _____
(District Engineer)

Date: _____

Approved:

By: _____
(State Design Engineer)

Date: _____

COMMISSIONER OF ADMINISTRATION

By: _____
(With Delegated Authority)

Date: _____

CITY OF RAMSEY

The undersigned certify that they have lawfully executed this contract on behalf of the Governmental Unit as required by applicable charter provisions, resolutions, or ordinances.

By: _____

Title: _____

Date: _____

By: _____

Title: _____

Date: _____

INCLUDE COPY OF RESOLUTION APPROVING THE AGREEMENT AND AUTHORIZING ITS EXECUTION.

PRELIMINARY SCHEDULE "I"

Agreement 1052605

Anoka County and City of Ramsey

SP 0202-116 (TH 10=003)

Preliminary: August 18, 2023

SPs 002-596-026, 002-656-001, 002-657-003, 199-113-003, 119-115-006

Federal Project NHFP-STBG 0010(340)

Grading, bituminous surfacing, ADA improvements, retainin walls, noise walls, high tension cable guardrail, TMS, lighting, roundabouts, and Bridges 02061, 02062, 0291, and 02592 construction, performed under City contract with _____, located on TH 10 from 0.37 miles east of Armstrong Blvd. (CSAH 83) to 0.57 miles east of Sunfish Lake Blvd. (CSAH 57) and on CSAH 56 from 0.02 miles south of TH 10/169 to 0.4 miles south of Bunker Lake Blvd (CSAH 116) and on CSAH 57 from TH 10/169 to 0.11 miles south of Bunker Lake Blvd (CSAH 116)

STATE COST PARTICIPATION

	SA Fed. 80%	SA Fed. Match 20%	TH Fed. 80%	TH Fed. Match 20%	SP 0202-116 No Fed.	SP 0202-116 No Fed.	TOTAL STATE COST
	Bond		Bond		Bond		
(1) TH 10 SP 002-656-001 Work Items From Sheet 2	16,132,317.40	3,226,463.48					3,226,463.48
(1) TH 10 SP 002-657-003 Work Items From Sheet 12	10,000,000.00	2,000,000.00			8,000,000.00	3,294,582.40	13,294,582.40
(1) CSAH 56 SP 002-656-001 Work Items From Sheet 21			3,200,000.00	800,000.00			4,000,000.00
(1) CSAH 57 SP 002-657-003 Work Items From Sheet 25	8,505,623.64	1,829,291.57					1,829,291.57
Construction Subtotals	\$34,637,941.04	\$7,055,755.05	\$3,200,000.00	\$800,000.00	\$8,000,000.00	\$3,294,582.40	\$22,350,337.45
Total State Obligation							\$22,350,337.45

(1) Capped funds as described in Article 10.1 of the Agreement (estimated amount)

CITY COST PARTICIPATION

State-Performed Construction Engineering (2%) From Sheet 30	1,175.32
State-Performed Construction Engineering (5%) From Sheet 30	9,846.25
(2) Total City Cost for State-Performed Construction Engineering	\$11,021.57

(2) Amount of advance payment as described in Article 12 of the Agreement (estimated amount)

(1) 80% NHFP FEDERAL, 20% STATE BOND FUNDS (CAPPED); 80% INFRA FEDERAL, 20% STATE BOND FUNDS (CAPPED); REMAINDER 100% COUNTY FUNDS

(P) = PLAN QUANTITY

1052605

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 TH 10 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (1)
2011.601	SETTLEMENT MONITORING	LUMP SUM	0.10	150,000.00	15,000.00
2011.601	AS BUILT	LUMP SUM	0.50	80,000.00	40,000.00
2016.601	CONTRACT MANAGEMENT	LUMP SUM	0.50	30,000.00	15,000.00
2016.601	QUALITY MANAGEMENT - THERMAL PROFILING	LUMP SUM	0.50	25,000.00	12,500.00
2016.601	QUALITY MANAGEMENT - INTELLIGENT COMPACTION	LUMP SUM	0.50	40,000.00	20,000.00
2021.501	MOBILIZATION	LUMP SUM	0.28	5,500,000.00	1,540,000.00
2031.502	FIELD OFFICE	EACH	0.28	120,000.00	33,600.00
2031.502	FIELD LABORATORY	EACH	0.28	75,000.00	21,000.00
2101.502	CLEARING	EACH	93.00	250.00	23,250.00
2101.502	GRUBBING	EACH	93.00	250.00	23,250.00
2101.505	CLEARING (P)	ACRE	0.10	7,000.00	700.00
2101.505	GRUBBING (P)	ACRE	0.10	7,000.00	700.00
2102.503	PAVEMENT MARKING REMOVAL	LIN FT	35,091.00	0.85	29,827.35
2102.518	PAVEMENT MARKING REMOVAL	SQ FT	1,167.00	4.50	5,251.50
2103.501	BUILDING REMOVAL A	LUMP SUM	1.00	25,000.00	25,000.00
2103.501	BUILDING REMOVAL B	LUMP SUM	1.00	20,000.00	20,000.00
2103.501	BUILDING REMOVAL C	LUMP SUM	1.00	35,000.00	35,000.00
2103.501	BUILDING REMOVAL H	LUMP SUM	1.00	35,000.00	35,000.00
2103.502	DISCONNECT SEWER SERVICE	EACH	3.00	2,500.00	7,500.00
2103.502	DISCONNECT WATER SERVICE	EACH	3.00	4,000.00	12,000.00
2104.502	REMOVE VEHICULAR GATE	EACH	4.00	1,000.00	4,000.00
2104.502	REMOVE PIPE APRON	EACH	29.00	210.00	6,090.00
2104.502	REMOVE ANCHORAGE ASSEMBLY - TENSION CABLE	EACH	2.00	4,000.00	8,000.00
2104.502	REMOVE MISCELLANEOUS STRUCTURES	EACH	6.00	3,000.00	18,000.00
2104.502	REMOVE CONCRETE NOSE	EACH	1.00	1,500.00	1,500.00
2104.502	REMOVE SEPTIC TANK	EACH	2.00	2,100.00	4,200.00
2104.502	REMOVE BOLLARDS	EACH	21.00	220.00	4,620.00
2104.502	REMOVE POST	EACH	8.00	270.00	2,160.00
2104.502	REMOVE LIGHTING UNIT	EACH	20.00	400.00	8,000.00
2104.502	REMOVE GUIDE POST	EACH	36.00	100.00	3,600.00
2104.502	REMOVE CONCRETE STEPS	EACH	1.00	500.00	500.00
2104.502	REMOVE MANHOLE	EACH	1.00	1,000.00	1,000.00
2104.502	REMOVE GATE VALVE AND BOX	EACH	2.00	550.00	1,100.00
2104.502	REMOVE DRAINAGE STRUCTURE	EACH	26.00	550.00	14,300.00

(1) 80% NHFP FEDERAL, 20% STATE BOND FUNDS (CAPPED); 80% INFRA FEDERAL, 20% STATE BOND FUNDS (CAPPED); REMAINDER 100% COUNTY FUNDS

(P) = PLAN QUANTITY

1052605

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 TH 10 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (1)
2104.502	REMOVE CONCRETE FLUME	EACH	2.00	50.00	100.00
2104.502	REMOVE WOOD POLE	EACH	2.00	400.00	800.00
2104.502	REMOVE LIGHT POLE	EACH	2.00	450.00	900.00
2104.502	REMOVE FOUNDATION	EACH	3.00	1,000.00	3,000.00
2104.502	REMOVE CASTING	EACH	3.00	250.00	750.00
2104.502	REMOVE FIBER OPTIC VAULT	EACH	1.00	2,500.00	2,500.00
2104.502	REMOVE DELINEATOR / MARKER	EACH	2.00	50.00	100.00
2104.502	REMOVE SIGN	EACH	112.00	77.50	8,680.00
2104.502	REMOVE OVERHEAD SIGN	EACH	1.00	10,500.00	10,500.00
2104.502	REMOVE I-BEAM SIGN	EACH	1.00	3,000.00	3,000.00
2104.502	REMOVE SIGNAL SYSTEM A	EACH	1.00	7,000.00	7,000.00
2104.502	REMOVE LIGHTING SYSTEM	EACH	1.00	3,000.00	3,000.00
2104.502	REMOVE HANDHOLE	EACH	5.00	500.00	2,500.00
2104.502	REMOVE LIGHT FOUNDATION	EACH	19.00	400.00	7,600.00
2104.502	REMOVE EXTRUDED SIGN PANEL	EACH	1.00	800.00	800.00
2104.502	REMOVE SIGN PANEL	EACH	1.00	50.00	50.00
2104.502	REMOVE MAIL BOX SUPPORT	EACH	2.00	200.00	400.00
2104.502	REMOVE CAMERA	EACH	2.00	250.00	500.00
2104.502	SALVAGE LIGHTING UNIT	EACH	1.00	600.00	600.00
2104.502	SALVAGE SIGN PANEL	EACH	2.00	80.00	160.00
2104.502	ABANDON AND SEAL WELL SHAFT	EACH	2.00	5,000.00	10,000.00
2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	9.00	5.00	45.00
2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	1,393.00	3.00	4,179.00
2104.503	REMOVE WATER MAIN	LIN FT	600.00	15.00	9,000.00
2104.503	REMOVE SEWER PIPE (STORM)	LIN FT	3,137.00	18.00	56,466.00
2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	78.00	20.00	1,560.00
2104.503	REMOVE CURB AND GUTTER	LIN FT	2,978.00	4.80	14,294.40
2104.503	REMOVE BITUMINOUS CURB	LIN FT	6.00	5.00	30.00
2104.503	REMOVE CONCRETE PARKING STOPS	LIN FT	75.00	40.00	3,000.00
2104.503	REMOVE RETAINING WALL	LIN FT	350.00	25.00	8,750.00
2104.503	REMOVE FENCE	LIN FT	1,786.00	4.50	8,037.00
2104.503	REMOVE METAL PIPE RAILING	LIN FT	100.00	5.00	500.00
2104.503	REMOVE TENSION CABLE GUARDRAIL	LIN FT	682.00	5.00	3,410.00
2104.504	REMOVE CONCRETE SLAB	SQ YD	10.00	10.00	100.00

(1) 80% NHFP FEDERAL, 20% STATE BOND FUNDS (CAPPED); 80% INFRA FEDERAL, 20% STATE BOND FUNDS (CAPPED); REMAINDER 100% COUNTY FUNDS

(P) = PLAN QUANTITY

1052605

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 TH 10 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (1)
2104.504	REMOVE PAVEMENT	SQ YD	10,000.00	10.00	100,000.00
2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	1,550.00	12.00	18,600.00
2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	12,029.00	4.00	48,116.00
2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	73,764.00	5.50	405,702.00
2104.518	REMOVE BITUMINOUS WALK	SQ FT	1,150.00	1.50	1,725.00
2104.518	REMOVE CONCRETE WALK	SQ FT	14,286.00	2.00	28,572.00
2104.601	REMOVE CABLES	LUMP SUM	0.50	7,500.00	3,750.00
2104.601	REMOVE SPRINKLER SYSTEM	LUMP SUM	0.50	2,000.00	1,000.00
2104.601	REMOVE MISCELLANEOUS DEBRIS	LUMP SUM	0.20	10,000.00	2,000.00
2104.601	REMOVE REGULATED WASTE MATERIAL	LUMP SUM	0.50	7,500.00	3,750.00
2104.601	HAUL SALVAGED MATERIAL	LUMP SUM	0.50	5,000.00	2,500.00
2104.602	REMOVE SIGN SPECIAL	EACH	5.00	1,100.00	5,500.00
2104.603	ABANDON WATER MAIN	LIN FT	40.00	12.00	480.00
2105.607	COMMON BORROW SPECIAL (CV) (P)	CU YD	1,442.00	42.00	60,564.00
2106.507	EXCAVATION - COMMON (P)	CU YD	74,516.00	12.00	894,192.00
2106.507	EXCAVATION - CHANNEL AND POND (P)	CU YD	9,451.00	15.00	141,765.00
2106.507	SELECT GRANULAR EMBANKMENT (CV) (P)	CU YD	47,692.00	30.00	1,430,760.00
2106.507	COMMON EMBANKMENT (CV) (P)	CU YD	88,497.00	10.00	884,970.00
2112.604	SUBGRADE PREPARATION	SQ YD	629.00	2.00	1,258.00
2118.507	AGGREGATE SURFACING (CV) CLASS 2 (P)	CU YD	361.00	80.00	28,880.00
2123.61	TRACTOR MOUNTED BACKHOE	hour	40.00	150.00	6,000.00
2211.507	AGGREGATE BASE (CV) CLASS 6 (P)	CU YD	14,494.00	35.00	507,290.00
2231.509	BITUMINOUS PATCHING MIXTURE	TON	450.00	140.00	63,000.00
2231.604	BITUMINOUS PATCH SPECIAL	SQ YD	76.00	80.00	6,080.00
2232.504	MILL BITUMINOUS SURFACE	SQ YD	2,600.00	3.50	9,100.00
2301.502	DOWEL BAR	EACH	193.00	15.00	2,895.00
2331.603	JOINT ADHESIVE	LIN FT	35,484.00	0.60	21,290.40
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2,C)	TON	23.00	90.00	2,070.00
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C)	TON	132.00	90.00	11,880.00
2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,C)	TON	132.00	90.00	11,880.00
2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)	TON	11,063.00	90.00	995,670.00
2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (4,F)	TON	14,748.00	95.00	1,401,060.00
2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (4,L)	TON	2,324.00	90.00	209,160.00
2401.503	TYPE MOD P-1 BARRIER CONC (3S52)	LIN FT	422.00	150.00	63,300.00

(1) 80% NHFP FEDERAL, 20% STATE BOND FUNDS (CAPPED); 80% INFRA FEDERAL, 20% STATE BOND FUNDS (CAPPED); REMAINDER 100% COUNTY FUNDS

(P) = PLAN QUANTITY

1052605

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 TH 10 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (1)
2401.503	TYPE MOD P-4 (TL-4) BARRIER CONCRETE (3S52)	LIN FT	2,123.00	160.00	339,680.00
2401.503	TYPE MOD S (TL-4) BARRIER CONCRETE (3S52)	LIN FT	35.00	220.00	7,700.00
2411.502	CONCRETE INLET PAD	EACH	80.00	1,000.00	80,000.00
2411.507	STRUCTURAL CONCRETE (1G52) (P)	CU YD	98.00	600.00	58,800.00
2411.507	STRUCTURAL CONCRETE (3B52) (P)	CU YD	850.00	1,000.00	850,000.00
2411.507	STRUCTURAL CONCRETE (3G52) (P)	CU YD	101.00	1,100.00	111,100.00
2411.508	REINFORCEMENT BARS (P)	POUND	7,945.00	1.75	13,903.75
2411.508	REINFORCEMENT BARS (EPOXY COATED) (P)	POUND	175,389.00	2.00	350,778.00
2411.604	MECHANICALLY STABILIZED EARTH WALL (P)	SQ YD	3,872.00	700.00	2,710,400.00
2411.618	CONCRETE ABSORPTIVE NOISE WALL (P)	SQ FT	16,575.00	95.00	1,574,625.00
2451.507	STRUCTURE EXCAVATION CLASS U (P)	CU YD	3,494.00	15.00	52,410.00
2451.507	FINE AGGREGATE BEDDING (CV) (P)	CU YD	269.00	55.00	14,795.00
2451.607	STRUCTURAL BACKFILL (P)	CU YD	567.00	30.00	17,010.00
2451.607	STRUCTURAL BACKFILL (MOD) (P)	CU YD	18,630.00	25.00	465,750.00
2475.503	ORNAMENTAL METAL RAILING DESIGN T-4 PC	LIN FT	208.00	250.00	52,000.00
2501.502	12" RC PIPE APRON	EACH	1.00	1,000.00	1,000.00
2501.502	15" RC PIPE APRON	EACH	8.00	1,200.00	9,600.00
2501.502	18" RC PIPE APRON	EACH	1.00	1,500.00	1,500.00
2501.502	24" RC PIPE APRON	EACH	1.00	1,900.00	1,900.00
2501.502	27" RC PIPE APRON	EACH	1.00	2,100.00	2,100.00
2501.502	30" RC PIPE APRON	EACH	1.00	2,200.00	2,200.00
2501.502	36" RC PIPE APRON	EACH	2.00	2,500.00	5,000.00
2501.502	42" RC PIPE APRON	EACH	1.00	2,700.00	2,700.00
2501.502	48" RC PIPE APRON	EACH	1.00	3,000.00	3,000.00
2501.502	28" SPAN CAS SAFETY APRON	EACH	2.00	1,000.00	2,000.00
2501.502	18" RC SAFETY APRON	EACH	2.00	1,800.00	3,600.00
2501.502	24" RC SAFETY APRON	EACH	1.00	2,000.00	2,000.00
2501.503	15" RC PIPE CULVERT DESIGN 3006 CLASS V	LIN FT	41.00	80.00	3,280.00
2501.503	18" RC PIPE CULVERT DESIGN 3006 CLASS III	LIN FT	33.00	90.00	2,970.00
2501.503	36" RC PIPE CULVERT DESIGN 3006 CLASS V	LIN FT	206.00	175.00	36,050.00
2501.602	TRASH GUARD FOR 24" PIPE APRON	EACH	1.00	2,000.00	2,000.00
2501.602	TRASH GUARD FOR 36" PIPE APRON	EACH	1.00	2,500.00	2,500.00
2502.503	4" TP PIPE DRAIN	LIN FT	344.00	15.00	5,160.00
2502.503	4" PERF TP PIPE DRAIN	LIN FT	8,123.00	12.00	97,476.00

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ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 TH 10 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (1)
2502.601	DRAINAGE SYSTEM	LUMP SUM	0.10	17,000.00	1,700.00
2503.503	8" PVC PIPE SEWER	LIN FT	6.00	65.00	390.00
2503.503	28" SPAN RC PIPE-ARCH SEWER CLASS IIA	LIN FT	119.00	150.00	17,850.00
2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	1,159.00	60.00	69,540.00
2503.503	15" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	1,861.00	65.00	120,965.00
2503.503	18" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	1,108.00	70.00	77,560.00
2503.503	21" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	580.00	80.00	46,400.00
2503.503	24" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	1,006.00	85.00	85,510.00
2503.503	27" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	1,000.00	100.00	100,000.00
2503.503	30" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	517.00	120.00	62,040.00
2503.503	30" RC PIPE SEWER DESIGN 3006 CLASS IV	LIN FT	66.00	150.00	9,900.00
2503.503	36" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	674.00	150.00	101,100.00
2503.503	42" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	411.00	200.00	82,200.00
2503.503	42" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	67.00	250.00	16,750.00
2503.503	48" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	16.00	250.00	4,000.00
2503.602	CONNECT TO EXISTING STORM SEWER	EACH	1.00	3,000.00	3,000.00
2503.602	CONNECT INTO EXISTING DRAINAGE STRUCTURE	EACH	1.00	3,000.00	3,000.00
2503.603	PLUG FILL AND ABANDON PIPE SEWER	LIN FT	37.00	70.00	2,590.00
2503.603	28" STEEL CASING PIPE	LIN FT	5.00	350.00	1,750.00
2503.603	36" STEEL CASING PIPE	LIN FT	30.00	350.00	10,500.00
2503.603	48" STEEL CASING PIPE	LIN FT	25.00	750.00	18,750.00
2503.603	72" STEEL CASING PIPE	LIN FT	28.00	1,250.00	35,000.00
2506.502	CASTING ASSEMBLY	EACH	120.00	900.00	108,000.00
2506.502	ADJUST FRAME AND RING CASTING	EACH	6.00	800.00	4,800.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN F	LIN FT	9.00	450.00	4,050.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN G	LIN FT	157.00	450.00	70,650.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-48	LIN FT	28.00	750.00	21,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-60	LIN FT	20.00	1,100.00	22,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-72	LIN FT	4.00	1,500.00	6,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	222.00	525.00	116,550.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	LIN FT	76.00	750.00	57,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 72-4020	LIN FT	44.00	875.00	38,500.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 84-4020	LIN FT	19.00	1,500.00	28,500.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 96-4020	LIN FT	9.00	2,000.00	18,000.00

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2506.601	INFILTRATION/FILTRATION SYSTEM	LUMP SUM	0.50	20,000.00	10,000.00
2506.602	MANHOLE RISER COVER PLATE	EACH	7.00	1,000.00	7,000.00
2506.602	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 2	EACH	1.00	20,000.00	20,000.00
2506.602	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 5	EACH	1.00	20,000.00	20,000.00
2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	242.00	6.00	1,452.00
2511.507	RANDOM RIPRAP CLASS III	CU YD	180.00	105.00	18,900.00
2521.518	4" CONCRETE WALK	SQ FT	33,523.00	6.00	201,138.00
2521.518	6" CONCRETE WALK	SQ FT	137.00	12.00	1,644.00
2521.602	DRILL AND GROUT REINF BAR (EPOXY COATED)	EACH	3.00	16.00	48.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B424	LIN FT	2,951.00	30.00	88,530.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B612	LIN FT	36.00	24.00	864.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B618	LIN FT	76.00	26.00	1,976.00
2531.503	CONCRETE CURB AND GUTTER DESIGN D412	LIN FT	336.00	24.00	8,064.00
2531.503	CONCRETE CURB AND GUTTER DESIGN D424	LIN FT	6,203.00	26.00	161,278.00
2531.504	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	15.00	90.00	1,350.00
2533.503	CONC MED BAR DES SINGLE SLOPE TYPE 42A	LIN FT	6,026.00	130.00	783,380.00
2533.503	CONC MED BAR DES SGL SLOPE TYPE 42A STEP	LIN FT	1,664.00	350.00	582,400.00
2533.503	CONC MED BAR DES SGL SLOPE TYPE 42 TRANS	LIN FT	30.00	350.00	10,500.00
2533.503	PORTABLE PRECAST CONCRETE BARRIER DESIGN 8337	LIN FT	20,798.00	17.00	353,566.00
2533.503	RELOCATE PORTABLE PRECAST CONCRETE BARRIER DESIGN 8337	LIN FT	12,211.00	4.00	48,844.00
2533.503	RELOCATE PORTABLE PRECAST CONCRETE BARRIER DES 8337-ANCHORED	LIN FT	188.00	15.00	2,820.00
2533.603	CONCRETE MEDIAN BARRIER SPECIAL	LIN FT	1,594.00	275.00	438,350.00
2533.603	CONCRETE MEDIAN BARRIER DESIGN SPECIAL 1	LIN FT	476.00	300.00	142,800.00
2540.602	RELOCATE MAIL BOX SUPPORT	EACH	3.00	1,000.00	3,000.00
2545.501	LIGHTING SYSTEM "A"	LUMP SUM	1.00	140,000.00	140,000.00
2545.501	LIGHTING SYSTEM "C"	LUMP SUM	1.00	88,000.00	88,000.00
2545.602	INSTALL LIGHTING UNIT	EACH	1.00	850.00	850.00
2550.502	CABINET FOUNDATION	EACH	1.00	2,500.00	2,500.00
2550.502	SERVICE FOUNDATION	EACH	2.00	1,500.00	3,000.00
2550.502	CCTV FOUNDATION	EACH	2.00	4,000.00	8,000.00
2550.502	RAMP CONTROL SIGNAL FOUNDATION	EACH	2.00	1,500.00	3,000.00
2550.502	FIBEROPTIC SPLICE VAULT	EACH	1.00	5,250.00	5,250.00
2550.502	OUTDOOR FIBER SPLICE ENCLOSURE	EACH	1.00	1,500.00	1,500.00
2550.502	RAMP CONTROL SIGNAL DESIGN ONE-WAY	EACH	2.00	4,500.00	9,000.00

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2550.502	CCTV CABINET	EACH	2.00	4,000.00	8,000.00
2550.502	INSTALL CABINET	EACH	1.00	750.00	750.00
2550.502	SERVICE CABINET	EACH	2.00	3,500.00	7,000.00
2550.503	1.5" NON-METALLIC CONDUIT	LIN FT	6,348.00	4.50	28,566.00
2550.503	2" NON-METALLIC CONDUIT	LIN FT	2,210.00	6.00	13,260.00
2550.503	POWER CABLE 1 CONDUCTOR NO 6	LIN FT	4,520.00	2.00	9,040.00
2550.503	POWER CABLE 3 CONDUCTOR NO 14	LIN FT	40.00	4.50	180.00
2550.503	SIGNAL CONTROL CABLE 6 COND NO 14	LIN FT	1,010.00	3.00	3,030.00
2550.503	LEAD-IN CABLE 2 CONDUCTOR NO 14	LIN FT	2,795.00	1.75	4,891.25
2550.601	TEMPORARY COMMUNICATION SYSTEM	LUMP SUM	0.50	40,000.00	20,000.00
2550.601	FIBER OPTIC CABLE TESTING	LUMP SUM	0.50	12,500.00	6,250.00
2550.602	CCTV HARDWARE	EACH	2.00	30,000.00	60,000.00
2550.602	FIBER OPTIC PIGTAIL TERMINATION	EACH	4.00	1,500.00	6,000.00
2550.602	FIBER OPTIC CABLE SPLICING	EACH	2.00	2,000.00	4,000.00
2550.602	BURIED CABLE SIGN	EACH	23.00	175.00	4,025.00
2550.602	PULL VAULT	EACH	10.00	2,000.00	20,000.00
2550.602	SERVICE CABINET TYPE SPECIAL	EACH	1.00	9,000.00	9,000.00
2550.602	LOOP DETECTOR DESIGN PREFORMED	EACH	5.00	1,950.00	9,750.00
2550.603	ARMORED FIBER OPTIC PIGTAIL CABLE 6SM	LIN FT	1,835.00	2.25	4,128.75
2550.603	FIBER OPTIC TRUNK CABLE 36SM	LIN FT	4,800.00	2.00	9,600.00
2550.603	1.5" BORED CONDUIT	LIN FT	275.00	15.00	4,125.00
2550.603	2" BORED CONDUIT	LIN FT	423.00	17.50	7,402.50
2554.502	GUIDE POST TYPE B	EACH	20.00	85.00	1,700.00
2554.502	ANCHORAGE ASSEMBLY - TYPE 31	EACH	5.00	1,600.00	8,000.00
2554.502	ANCHORAGE ASSEMBLY - TENSION CABLE	EACH	1.00	6,000.00	6,000.00
2554.502	END TREATMENT-TANGENT TERMINAL	EACH	4.00	3,500.00	14,000.00
2554.503	TRAFFIC BARRIER DESIGN TYPE 31	LIN FT	731.50	35.00	25,602.50
2554.503	TRAFFIC BARRIER DESIGN TRANSITION TYPE 31	LIN FT	56.50	180.00	10,170.00
2554.602	POST IN CONCRETE	EACH	13.00	150.00	1,950.00
2554.603	TENSION CABLE GUARDRAIL	LIN FT	413.00	35.00	14,455.00
2554.615	IMPACT ATTENUATOR	ASSEMBLY	2.00	40,000.00	80,000.00
2557.502	PEDESTRIAN GATE	EACH	1.00	1,800.00	1,800.00
2557.502	ELECTRICAL GROUND	EACH	13.00	275.00	3,575.00
2557.503	WIRE FENCE DESIGN 60-9322	LIN FT	9,250.00	40.00	370,000.00

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2557.603	TEMPORARY GLARE SCREEN	LIN FT	6,656.00	4.00	26,624.00
2557.604	FENCING SPECIAL	SQ YD	534.00	8.00	4,272.00
2563.601	TRAFFIC CONTROL SUPERVISOR	LUMP SUM	0.50	128,000.00	64,000.00
2563.601	TRAFFIC CONTROL	LUMP SUM	0.28	950,000.00	266,000.00
2563.601	ALTERNATE PEDESTRIAN ROUTE	LUMP SUM	0.50	15,000.00	7,500.00
2563.602	TEMPORARY OVERHEAD SIGN STRUCTURE	EACH	1.00	20,000.00	20,000.00
2563.602	LINEAR DELINEATION PANEL	EACH	860.00	25.00	21,500.00
2563.602	PORTABLE BARRIER DELINEATOR	EACH	1,321.00	9.00	11,889.00
2563.602	TUBULAR MARKER	EACH	120.00	35.00	4,200.00
2563.602	VEHICLE SPEED FEEDBACK SIGN	EACH	1.00	3,000.00	3,000.00
2563.613	PORTABLE CHANGEABLE MESSAGE SIGN	UNIT DAY	180.00	150.00	27,000.00
2563.615	TEMPORARY IMPACT ATTENUATOR	ASSEMBLY	23.00	3,200.00	73,600.00
2563.615	RELOCATE TEMPORARY IMPACT ATTENUATOR	ASSEMBLY	2.00	1,500.00	3,000.00
2564.502	INSTALL SIGN PANEL	EACH	2.00	315.00	630.00
2564.502	INFILTRATION AREA MARKER	EACH	3.00	150.00	450.00
2564.602	DELINEATOR / MARKER	EACH	12.00	90.00	1,080.00
2564.602	DELINEATOR / MARKER PANEL	EACH	6.00	55.00	330.00
2564.607	CONCRETE FOOTING (OVERHEAD SPREAD)	CU YD	49.00	1,300.00	63,700.00
2564.608	STRUCTURAL STEEL - I-BEAM SIGN	POUND	4,146.00	5.00	20,730.00
2564.608	STRUCTURAL STEEL-OVERHEAD SIGN POST	POUND	16,062.00	3.30	53,004.60
2564.608	STRUCTURAL STEEL-OVERHEAD SIGN TRUSS	POUND	19,355.00	3.30	63,871.50
2564.608	STRUCTURAL STEEL-PANEL MOUNTING POST	POUND	2,121.00	3.30	6,999.30
2564.618	SIGN	SQ FT	684.00	80.00	54,720.00
2564.618	SIGN PANEL OVERLAY	SQ FT	1,552.00	30.00	46,560.00
2564.618	EXTRUDED PANEL	SQ FT	1,480.00	30.00	44,400.00
2565.616	TEMPORARY SIGNAL SYSTEM A	SYSTEM	0.50	200,000.00	100,000.00
2565.616	TEMPORARY SIGNAL SYSTEM B	SYSTEM	0.50	100,000.00	50,000.00
2572.503	TEMPORARY FENCE	LIN FT	265.00	5.00	1,325.00
2572.503	CLEAN ROOT CUTTING	LIN FT	252.00	7.00	1,764.00
2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	0.50	16,000.00	8,000.00
2573.501	EROSION CONTROL SUPERVISOR	LUMP SUM	0.50	15,000.00	7,500.00
2573.502	STORM DRAIN INLET PROTECTION	EACH	114.00	190.00	21,660.00
2573.502	CULVERT END CONTROLS	EACH	10.00	200.00	2,000.00
2573.503	FLOTATION SILT CURTAIN TYPE MOVING WATER	LIN FT	33.00	30.00	990.00

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2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT	1,653.00	4.00	6,612.00
2574.505	SUBSOILING (P)	ACRE	15.00	350.00	5,250.00
2574.505	SOIL BED PREPARATION (P)	ACRE	15.00	150.00	2,250.00
2574.507	COMPOST GRADE 2	CU YD	3,803.00	45.00	171,135.00
2574.508	FERTILIZER TYPE 3	POUND	4,048.00	1.00	4,048.00
2574.508	FERTILIZER TYPE 4	POUND	109.00	1.50	163.50
2574.509	LIME	TON	43.00	200.00	8,600.00
2575.504	RAPID STABILIZATION METHOD 4	SQ YD	24,637.00	2.00	49,274.00
2575.504	ROLLED EROSION PREVENTION CATEGORY 10	SQ YD	3,454.00	2.00	6,908.00
2575.504	ROLLED EROSION PREVENTION CATEGORY 25	SQ YD	17,102.00	2.00	34,204.00
2575.505	SEEDING (P)	ACRE	15.00	300.00	4,500.00
2575.505	MOWING	ACRE	43.00	500.00	21,500.00
2575.505	WEED SPRAYING	ACRE	7.10	300.00	2,130.00
2575.506	WEED SPRAY MIXTURE	GALLON	3.60	100.00	360.00
2575.508	SEED MIXTURE 25-121	POUND	304.00	4.50	1,368.00
2575.508	SEED MIXTURE 25-131	POUND	116.00	4.50	522.00
2575.508	SEED MIXTURE 33-261	POUND	25.00	25.00	625.00
2575.508	SEED MIXTURE 35-221	POUND	290.00	25.00	7,250.00
2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	35,303.00	2.00	70,606.00
2575.523	RAPID STABILIZATION METHOD 3	M GALLON	55.00	650.00	35,750.00
2580.503	INTERIM PAVEMENT MARKING	LIN FT	38,917.00	0.40	15,566.80
2580.603	PAVEMENT MARKING - LATE SEASON	LIN FT	26,719.00	0.95	25,383.05
2580.618	PAVEMENT MESSAGE - LATE SEASON	SQ FT	225.00	20.00	4,500.00
2581.503	6" REMOVABLE PREFORMED PAVEMENT MARKING TAPE	LIN FT	270.00	20.00	5,400.00
2581.618	REMOVABLE PREFORMED PLASTIC MASK (BLACK)	SQ FT	100.00	20.00	2,000.00
2582.503	6" SOLID LINE PAINT (WR)	LIN FT	52,832.00	0.80	42,265.60
2582.503	8" SOLID LINE PAINT (WR)	LIN FT	152.00	1.00	152.00
2582.503	24" SOLID LINE PAINT (WR)	LIN FT	232.00	15.00	3,480.00
2582.503	4" BROKEN LINE PAINT (WR)	LIN FT	3,011.00	0.50	1,505.50
2582.503	6" DOTTED LINE PAINT (WR)	LIN FT	1,071.00	1.00	1,071.00
2582.503	8" DOTTED LINE PAINT (WR)	LIN FT	43.00	1.20	51.60
2582.503	4" DOUBLE SOLID LINE PAINT (WR)	LIN FT	1,919.00	1.00	1,919.00
2582.503	4" SOLID LINE MULTI-COMPONENT (WR)	LIN FT	619.00	0.85	526.15
2582.503	24" SOLID LINE MULTI-COMPONENT (WR)	LIN FT	50.00	20.00	1,000.00

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2011.601	SETTLEMENT MONITORING	LUMP SUM	0.20	150,000.00	30,000.00
2011.601	AS BUILT	LUMP SUM	0.50	80,000.00	40,000.00
2016.601	CONTRACT MANAGEMENT	LUMP SUM	0.50	30,000.00	15,000.00
2016.601	QUALITY MANAGEMENT - THERMAL PROFILING	LUMP SUM	0.50	25,000.00	12,500.00
2016.601	QUALITY MANAGEMENT - INTELLIGENT COMPACTION	LUMP SUM	0.50	40,000.00	20,000.00
2021.501	MOBILIZATION	LUMP SUM	0.28	5,500,000.00	1,540,000.00
2031.502	FIELD OFFICE	EACH	0.28	120,000.00	33,600.00
2031.502	FIELD LABORATORY	EACH	0.28	75,000.00	21,000.00
2101.502	CLEARING	EACH	93.00	250.00	23,250.00
2101.502	GRUBBING	EACH	93.00	250.00	23,250.00
2101.505	CLEARING (P)	ACRE	0.20	7,000.00	1,400.00
2101.505	GRUBBING (P)	ACRE	0.20	7,000.00	1,400.00
2102.503	PAVEMENT MARKING REMOVAL	LIN FT	35,091.00	0.85	29,827.35
2102.518	PAVEMENT MARKING REMOVAL	SQ FT	1,167.00	4.50	5,251.50
2103.501	BUILDING REMOVAL D	LUMP SUM	1.00	100,000.00	100,000.00
2103.501	BUILDING REMOVAL E	LUMP SUM	1.00	20,000.00	20,000.00
2103.501	BUILDING REMOVAL F	LUMP SUM	1.00	25,000.00	25,000.00
2103.501	BUILDING REMOVAL G	LUMP SUM	1.00	20,000.00	20,000.00
2103.501	BUILDING REMOVAL I	LUMP SUM	1.00	35,000.00	35,000.00
2103.501	BUILDING REMOVAL J	LUMP SUM	1.00	25,000.00	25,000.00
2103.502	DISCONNECT SEWER SERVICE	EACH	2.00	2,500.00	5,000.00
2103.502	DISCONNECT WATER SERVICE	EACH	2.00	4,000.00	8,000.00
2104.502	REMOVE VEHICULAR GATE	EACH	3.00	1,000.00	3,000.00
2104.502	REMOVE PIPE APRON	EACH	29.00	210.00	6,090.00
2104.502	REMOVE ANCHORAGE ASSEMBLY - TENSION CABLE	EACH	1.00	4,000.00	4,000.00
2104.502	REMOVE MISCELLANEOUS STRUCTURES	EACH	6.00	3,000.00	18,000.00
2104.502	REMOVE CONCRETE NOSE	EACH	1.00	1,500.00	1,500.00
2104.502	REMOVE SEPTIC TANK	EACH	2.00	2,100.00	4,200.00
2104.502	REMOVE BOLLARDS	EACH	21.00	220.00	4,620.00
2104.502	REMOVE POST	EACH	7.00	270.00	1,890.00
2104.502	REMOVE LIGHTING UNIT	EACH	20.00	400.00	8,000.00
2104.502	REMOVE GUIDE POST	EACH	37.00	100.00	3,700.00
2104.502	REMOVE CONCRETE STEPS	EACH	1.00	500.00	500.00
2104.502	REMOVE MANHOLE	EACH	1.00	1,000.00	1,000.00

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-657-003 TH 10 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (2)
2104.502	REMOVE GATE VALVE AND BOX	EACH	2.00	550.00	1,100.00
2104.502	REMOVE DRAINAGE STRUCTURE	EACH	27.00	550.00	14,850.00
2104.502	REMOVE CONCRETE FLUME	EACH	3.00	50.00	150.00
2104.502	REMOVE WOOD POLE	EACH	1.00	400.00	400.00
2104.502	REMOVE LIGHT POLE	EACH	1.00	450.00	450.00
2104.502	REMOVE FOUNDATION	EACH	4.00	1,000.00	4,000.00
2104.502	REMOVE CASTING	EACH	4.00	250.00	1,000.00
2104.502	REMOVE FIBER OPTIC VAULT	EACH	1.00	2,500.00	2,500.00
2104.502	REMOVE DELINEATOR / MARKER	EACH	2.00	50.00	100.00
2104.502	REMOVE SIGN	EACH	112.00	77.50	8,680.00
2104.502	REMOVE SIGNAL SYSTEM B	EACH	1.00	7,000.00	7,000.00
2104.502	REMOVE HANDHOLE	EACH	4.00	500.00	2,000.00
2104.502	REMOVE LIGHT FOUNDATION	EACH	20.00	400.00	8,000.00
2104.502	REMOVE SIGN PANEL	EACH	1.00	50.00	50.00
2104.502	REMOVE MAIL BOX SUPPORT	EACH	2.00	200.00	400.00
2104.502	REMOVE CAMERA	EACH	2.00	250.00	500.00
2104.502	SALVAGE STRUCTURE	EACH	1.00	3,000.00	3,000.00
2104.502	SALVAGE SIGN PANEL	EACH	2.00	80.00	160.00
2104.502	ABANDON AND SEAL WELL SHAFT	EACH	2.00	5,000.00	10,000.00
2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	8.00	5.00	40.00
2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	1,392.00	3.00	4,176.00
2104.503	REMOVE WATER MAIN	LIN FT	600.00	15.00	9,000.00
2104.503	REMOVE SEWER PIPE (STORM)	LIN FT	3,137.00	18.00	56,466.00
2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	77.00	20.00	1,540.00
2104.503	REMOVE CURB AND GUTTER	LIN FT	2,978.00	4.80	14,294.40
2104.503	REMOVE BITUMINOUS CURB	LIN FT	5.00	5.00	25.00
2104.503	REMOVE CONCRETE PARKING STOPS	LIN FT	75.00	40.00	3,000.00
2104.503	REMOVE RETAINING WALL	LIN FT	350.00	25.00	8,750.00
2104.503	REMOVE FENCE	LIN FT	1,785.00	4.50	8,032.50
2104.503	REMOVE METAL PIPE RAILING	LIN FT	99.00	5.00	495.00
2104.503	REMOVE TENSION CABLE GUARDRAIL	LIN FT	682.00	5.00	3,410.00
2104.504	REMOVE CONCRETE SLAB	SQ YD	9.00	10.00	90.00
2104.504	REMOVE PAVEMENT	SQ YD	10,000.00	10.00	100,000.00
2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	1,549.00	12.00	18,588.00

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-657-003 TH 10 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (2)
2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	12,029.00	4.00	48,116.00
2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	73,763.00	5.50	405,696.50
2104.518	REMOVE BITUMINOUS WALK	SQ FT	1,150.00	1.50	1,725.00
2104.518	REMOVE CONCRETE WALK	SQ FT	14,286.00	2.00	28,572.00
2104.601	REMOVE CABLES	LUMP SUM	0.50	7,500.00	3,750.00
2104.601	REMOVE SPRINKLER SYSTEM	LUMP SUM	0.50	2,000.00	1,000.00
2104.601	REMOVE MISCELLANEOUS DEBRIS	LUMP SUM	0.20	10,000.00	2,000.00
2104.601	REMOVE REGULATED WASTE MATERIAL	LUMP SUM	0.50	7,500.00	3,750.00
2104.601	HAUL SALVAGED MATERIAL	LUMP SUM	0.50	5,000.00	2,500.00
2104.602	REMOVE SIGN SPECIAL	EACH	5.00	1,100.00	5,500.00
2104.603	ABANDON WATER MAIN	LIN FT	40.00	12.00	480.00
2105.607	COMMON BORROW SPECIAL (CV) (P)	CU YD	1,441.00	42.00	60,522.00
2106.507	EXCAVATION - COMMON (P)	CU YD	74,516.00	12.00	894,192.00
2106.507	EXCAVATION - CHANNEL AND POND (P)	CU YD	9,451.00	15.00	141,765.00
2106.507	SELECT GRANULAR EMBANKMENT (CV) (P)	CU YD	47,691.00	30.00	1,430,730.00
2106.507	COMMON EMBANKMENT (CV) (P)	CU YD	88,497.00	10.00	884,970.00
2112.604	SUBGRADE PREPARATION	SQ YD	629.00	2.00	1,258.00
2118.507	AGGREGATE SURFACING (CV) CLASS 2 (P)	CU YD	361.00	80.00	28,880.00
2123.61	TRACTOR MOUNTED BACKHOE	HOUR	40.00	150.00	6,000.00
2211.507	AGGREGATE BASE (CV) CLASS 6 (P)	CU YD	14,493.00	35.00	507,255.00
2231.509	BITUMINOUS PATCHING MIXTURE	TON	450.00	140.00	63,000.00
2231.604	BITUMINOUS PATCH SPECIAL	SQ YD	76.00	80.00	6,080.00
2232.504	MILL BITUMINOUS SURFACE	SQ YD	2,600.00	3.50	9,100.00
2301.502	DOWEL BAR	EACH	192.00	15.00	2,880.00
2331.603	JOINT ADHESIVE	LIN FT	35,484.00	0.60	21,290.40
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2,C)	TON	24.00	90.00	2,160.00
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C)	TON	132.00	90.00	11,880.00
2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,C)	TON	132.00	90.00	11,880.00
2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)	TON	11,063.00	90.00	995,670.00
2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (4,F)	TON	14,748.00	95.00	1,401,060.00
2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (4,L)	TON	2,325.00	90.00	209,250.00
2401.503	TYPE MOD P-1 BARRIER CONC (3S52)	LIN FT	422.00	150.00	63,300.00
2401.503	TYPE MOD P-4 (TL-4) BARRIER CONCRETE (3S52)	LIN FT	2,122.00	160.00	339,520.00
2401.503	TYPE MOD S (TL-4) BARRIER CONCRETE (3S52)	LIN FT	35.00	220.00	7,700.00

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-657-003 TH 10 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (2)
2411.502	CONCRETE INLET PAD	EACH	80.00	1,000.00	80,000.00
2411.507	STRUCTURAL CONCRETE (1G52) (P)	CU YD	98.00	600.00	58,800.00
2411.507	STRUCTURAL CONCRETE (3B52) (P)	CU YD	850.00	1,000.00	850,000.00
2411.507	STRUCTURAL CONCRETE (3G52) (P)	CU YD	100.00	1,100.00	110,000.00
2411.508	REINFORCEMENT BARS (P)	POUND	7,945.00	1.75	13,903.75
2411.508	REINFORCEMENT BARS (EPOXY COATED) (P)	POUND	175,388.00	2.00	350,776.00
2411.604	MECHANICALLY STABILIZED EARTH WALL (P)	SQ YD	3,873.00	700.00	2,711,100.00
2411.618	CONCRETE ABSORPTIVE NOISE WALL (P)	SQ FT	16,575.00	95.00	1,574,625.00
2451.507	STRUCTURE EXCAVATION CLASS U (P)	CU YD	3,495.00	15.00	52,425.00
2451.507	FINE AGGREGATE BEDDING (CV) (P)	CU YD	269.00	55.00	14,795.00
2451.607	STRUCTURAL BACKFILL (P)	CU YD	567.00	30.00	17,010.00
2451.607	STRUCTURAL BACKFILL (MOD) (P)	CU YD	18,629.00	25.00	465,725.00
2475.503	ORNAMENTAL METAL RAILING DESIGN T-4 PC	LIN FT	209.00	250.00	52,250.00
2501.502	15" RC PIPE APRON	EACH	8.00	1,200.00	9,600.00
2501.502	27" RC PIPE APRON	EACH	1.00	2,100.00	2,100.00
2501.502	36" RC PIPE APRON	EACH	1.00	2,500.00	2,500.00
2501.502	42" RC PIPE APRON	EACH	1.00	2,700.00	2,700.00
2501.502	28" SPAN CAS SAFETY APRON	EACH	2.00	1,000.00	2,000.00
2501.502	18" RC SAFETY APRON	EACH	2.00	1,800.00	3,600.00
2501.503	15" RC PIPE CULVERT DESIGN 3006 CLASS V	LIN FT	40.00	80.00	3,200.00
2501.503	18" RC PIPE CULVERT DESIGN 3006 CLASS III	LIN FT	34.00	90.00	3,060.00
2501.503	36" RC PIPE CULVERT DESIGN 3006 CLASS V	LIN FT	207.00	175.00	36,225.00
2502.503	4" TP PIPE DRAIN	LIN FT	344.00	15.00	5,160.00
2502.503	4" PERF TP PIPE DRAIN	LIN FT	8,122.00	12.00	97,464.00
2502.601	DRAINAGE SYSTEM	LUMP SUM	0.10	17,000.00	1,700.00
2503.503	8" PVC PIPE SEWER	LIN FT	5.00	65.00	325.00
2503.503	28" SPAN RC PIPE-ARCH SEWER CLASS IIA	LIN FT	118.00	150.00	17,700.00
2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	1,158.00	60.00	69,480.00
2503.503	15" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	1,860.00	65.00	120,900.00
2503.503	18" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	1,108.00	70.00	77,560.00
2503.503	21" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	579.00	80.00	46,320.00
2503.503	24" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	1,006.00	85.00	85,510.00
2503.503	27" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	1,000.00	100.00	100,000.00
2503.503	30" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	516.00	120.00	61,920.00

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-657-003 TH 10 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (2)
2503.503	30" RC PIPE SEWER DESIGN 3006 CLASS IV	LIN FT	66.00	150.00	9,900.00
2503.503	36" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	673.00	150.00	100,950.00
2503.503	42" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	411.00	200.00	82,200.00
2503.503	42" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	67.00	250.00	16,750.00
2503.503	48" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	15.00	250.00	3,750.00
2503.602	CONNECT TO EXISTING STORM SEWER	EACH	1.00	3,000.00	3,000.00
2503.602	CONNECT INTO EXISTING DRAINAGE STRUCTURE	EACH	1.00	3,000.00	3,000.00
2503.603	PLUG FILL AND ABANDON PIPE SEWER	LIN FT	38.00	70.00	2,660.00
2503.603	28" STEEL CASING PIPE	LIN FT	5.00	350.00	1,750.00
2503.603	36" STEEL CASING PIPE	LIN FT	30.00	350.00	10,500.00
2503.603	48" STEEL CASING PIPE	LIN FT	25.00	750.00	18,750.00
2503.603	72" STEEL CASING PIPE	LIN FT	27.00	1,250.00	33,750.00
2506.502	CASTING ASSEMBLY	EACH	119.00	900.00	107,100.00
2506.502	ADJUST FRAME AND RING CASTING	EACH	5.00	800.00	4,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN F	LIN FT	8.00	450.00	3,600.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN G	LIN FT	156.00	450.00	70,200.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-48	LIN FT	28.00	750.00	21,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-60	LIN FT	20.00	1,100.00	22,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-72	LIN FT	3.00	1,500.00	4,500.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	222.00	525.00	116,550.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	LIN FT	76.00	750.00	57,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 72-4020	LIN FT	44.00	875.00	38,500.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 84-4020	LIN FT	18.00	1,500.00	27,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 96-4020	LIN FT	8.00	2,000.00	16,000.00
2506.601	INFILTRATION/FILTRATION SYSTEM	LUMP SUM	0.50	20,000.00	10,000.00
2506.602	INSTALL STRUCTURE	EACH	1.00	75,000.00	75,000.00
2506.602	MANHOLE RISER COVER PLATE	EACH	2.00	1,000.00	2,000.00
2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	241.00	6.00	1,446.00
2511.507	RANDOM RIPRAP CLASS III	CU YD	180.00	105.00	18,900.00
2521.518	4" CONCRETE WALK	SQ FT	33,523.00	6.00	201,138.00
2521.518	6" CONCRETE WALK	SQ FT	138.00	12.00	1,656.00
2521.602	DRILL AND GROUT REINF BAR (EPOXY COATED)	EACH	2.00	16.00	32.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B424	LIN FT	2,952.00	30.00	88,560.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B612	LIN FT	35.00	24.00	840.00

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-657-003 TH 10 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (2)
2531.503	CONCRETE CURB AND GUTTER DESIGN B618	LIN FT	75.00	26.00	1,950.00
2531.503	CONCRETE CURB AND GUTTER DESIGN D412	LIN FT	335.00	24.00	8,040.00
2531.503	CONCRETE CURB AND GUTTER DESIGN D424	LIN FT	6,203.00	26.00	161,278.00
2531.504	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	14.00	90.00	1,260.00
2533.503	CONC MED BAR DES SINGLE SLOPE TYPE 42A	LIN FT	6,025.00	130.00	783,250.00
2533.503	CONC MED BAR DES SGL SLOPE TYPE 42A STEP	LIN FT	1,664.00	350.00	582,400.00
2533.503	CONC MED BAR DES SGL SLOPE TYPE 42 TRANS	LIN FT	30.00	350.00	10,500.00
2533.503	PORTABLE PRECAST CONCRETE BARRIER DESIGN 8337	LIN FT	20,798.00	17.00	353,566.00
2533.503	RELOCATE PORTABLE PRECAST CONCRETE BARRIER DESIGN 8337	LIN FT	12,210.00	4.00	48,840.00
2533.503	RELOCATE PORTABLE PRECAST CONCRETE BARRIER DES 8337-ANCHORED	LIN FT	187.00	15.00	2,805.00
2533.603	CONCRETE MEDIAN BARRIER SPECIAL	LIN FT	1,593.00	275.00	438,075.00
2533.603	CONCRETE MEDIAN BARRIER DESIGN SPECIAL 1	LIN FT	475.00	300.00	142,500.00
2540.602	RELOCATE MAIL BOX SUPPORT	EACH	3.00	1,000.00	3,000.00
2545.501	LIGHTING SYSTEM "B"	LUMP SUM	1.00	141,000.00	141,000.00
2545.501	LIGHTING SYSTEM "D"	LUMP SUM	1.00	122,000.00	122,000.00
2550.502	CABINET FOUNDATION	EACH	1.00	2,500.00	2,500.00
2550.502	SERVICE FOUNDATION	EACH	1.00	1,500.00	1,500.00
2550.502	CCTV FOUNDATION	EACH	1.00	4,000.00	4,000.00
2550.502	RAMP CONTROL SIGNAL FOUNDATION	EACH	2.00	1,500.00	3,000.00
2550.502	FIBEROPTIC SPLICE VAULT	EACH	1.00	5,250.00	5,250.00
2550.502	OUTDOOR FIBER SPLICE ENCLOSURE	EACH	1.00	1,500.00	1,500.00
2550.502	RAMP CONTROL SIGNAL DESIGN ONE-WAY	EACH	2.00	4,500.00	9,000.00
2550.502	CCTV CABINET	EACH	1.00	4,000.00	4,000.00
2550.502	INSTALL CABINET	EACH	1.00	750.00	750.00
2550.502	SERVICE CABINET	EACH	1.00	3,500.00	3,500.00
2550.503	1.5" NON-METALLIC CONDUIT	LIN FT	6,347.00	4.50	28,561.50
2550.503	2" NON-METALLIC CONDUIT	LIN FT	2,210.00	6.00	13,260.00
2550.503	POWER CABLE 1 CONDUCTOR NO 6	LIN FT	4,520.00	2.00	9,040.00
2550.503	POWER CABLE 3 CONDUCTOR NO 14	LIN FT	40.00	4.50	180.00
2550.503	SIGNAL CONTROL CABLE 6 COND NO 14	LIN FT	1,010.00	3.00	3,030.00
2550.503	LEAD-IN CABLE 2 CONDUCTOR NO 14	LIN FT	2,795.00	1.75	4,891.25
2550.601	TEMPORARY COMMUNICATION SYSTEM	LUMP SUM	0.50	40,000.00	20,000.00
2550.601	FIBER OPTIC CABLE TESTING	LUMP SUM	0.50	12,500.00	6,250.00
2550.602	CCTV HARDWARE	EACH	1.00	30,000.00	30,000.00

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ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-657-003 TH 10 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (2)
2550.602	FIBER OPTIC PIGTAIL TERMINATION	EACH	3.00	1,500.00	4,500.00
2550.602	FIBER OPTIC CABLE SPLICING	EACH	2.00	2,000.00	4,000.00
2550.602	BURIED CABLE SIGN	EACH	22.00	175.00	3,850.00
2550.602	PULL VAULT	EACH	10.00	2,000.00	20,000.00
2550.602	SERVICE CABINET TYPE SPECIAL	EACH	1.00	9,000.00	9,000.00
2550.602	LOOP DETECTOR DESIGN PREFORMED	EACH	5.00	1,950.00	9,750.00
2550.603	ARMORED FIBER OPTIC PIGTAIL CABLE 6SM	LIN FT	1,835.00	2.25	4,128.75
2550.603	FIBER OPTIC TRUNK CABLE 36SM	LIN FT	4,800.00	2.00	9,600.00
2550.603	1.5" BORED CONDUIT	LIN FT	275.00	15.00	4,125.00
2550.603	2" BORED CONDUIT	LIN FT	422.00	17.50	7,385.00
2554.502	GUIDE POST TYPE B	EACH	19.00	85.00	1,615.00
2554.502	ANCHORAGE ASSEMBLY - TYPE 31	EACH	4.00	1,600.00	6,400.00
2554.502	END TREATMENT-TANGENT TERMINAL	EACH	4.00	3,500.00	14,000.00
2554.503	TRAFFIC BARRIER DESIGN TYPE 31	LIN FT	731.00	35.00	25,585.00
2554.503	TRAFFIC BARRIER DESIGN TRANSITION TYPE 31	LIN FT	56.00	180.00	10,080.00
2554.602	POST IN CONCRETE	EACH	12.00	150.00	1,800.00
2554.603	TENSION CABLE GUARDRAIL	LIN FT	413.00	35.00	14,455.00
2554.615	IMPACT ATTENUATOR	ASSEMBLY	1.00	40,000.00	40,000.00
2557.502	ELECTRICAL GROUND	EACH	12.00	275.00	3,300.00
2557.503	WIRE FENCE DESIGN 60-9322	LIN FT	9,250.00	40.00	370,000.00
2557.603	TEMPORARY GLARE SCREEN	LIN FT	6,656.00	4.00	26,624.00
2557.604	FENCING SPECIAL	SQ YD	534.00	8.00	4,272.00
2563.601	TRAFFIC CONTROL SUPERVISOR	LUMP SUM	0.50	128,000.00	64,000.00
2563.601	TRAFFIC CONTROL	LUMP SUM	0.28	950,000.00	266,000.00
2563.601	ALTERNATE PEDESTRIAN ROUTE	LUMP SUM	0.50	15,000.00	7,500.00
2563.602	LINEAR DELINEATION PANEL	EACH	860.00	25.00	21,500.00
2563.602	PORTABLE BARRIER DELINEATOR	EACH	1,320.00	9.00	11,880.00
2563.602	TUBULAR MARKER	EACH	119.00	35.00	4,165.00
2563.602	VEHICLE SPEED FEEDBACK SIGN	EACH	1.00	3,000.00	3,000.00
2563.613	PORTABLE CHANGEABLE MESSAGE SIGN	UNIT DAY	180.00	150.00	27,000.00
2563.615	TEMPORARY IMPACT ATTENUATOR	ASSEMBLY	23.00	3,200.00	73,600.00
2563.615	RELOCATE TEMPORARY IMPACT ATTENUATOR	ASSEMBLY	2.00	1,500.00	3,000.00
2564.502	INSTALL SIGN PANEL	EACH	2.00	315.00	630.00
2564.502	INFILTRATION AREA MARKER	EACH	3.00	150.00	450.00

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-657-003 TH 10 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (2)
2564.602	DELINEATOR / MARKER	EACH	12.00	90.00	1,080.00
2564.602	DELINEATOR / MARKER PANEL	EACH	6.00	55.00	330.00
2564.607	CONCRETE FOOTING (OVERHEAD SPREAD)	CU YD	49.00	1,300.00	63,700.00
2564.608	STRUCTURAL STEEL - I-BEAM SIGN	POUND	4,145.00	5.00	20,725.00
2564.608	STRUCTURAL STEEL-OVERHEAD SIGN POST	POUND	16,061.00	3.30	53,001.30
2564.608	STRUCTURAL STEEL-OVERHEAD SIGN TRUSS	POUND	19,355.00	3.30	63,871.50
2564.608	STRUCTURAL STEEL-PANEL MOUNTING POST	POUND	2,121.00	3.30	6,999.30
2564.618	SIGN	SQ FT	684.00	80.00	54,720.00
2564.618	SIGN PANEL OVERLAY	SQ FT	1,552.00	30.00	46,560.00
2564.618	EXTRUDED PANEL	SQ FT	1,480.00	30.00	44,400.00
2565.616	TEMPORARY SIGNAL SYSTEM A	SYSTEM	0.50	200,000.00	100,000.00
2565.616	TEMPORARY SIGNAL SYSTEM B	SYSTEM	0.50	100,000.00	50,000.00
2572.503	TEMPORARY FENCE	LIN FT	265.00	5.00	1,325.00
2572.503	CLEAN ROOT CUTTING	LIN FT	251.00	7.00	1,757.00
2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	0.50	16,000.00	8,000.00
2573.501	EROSION CONTROL SUPERVISOR	LUMP SUM	0.50	15,000.00	7,500.00
2573.502	STORM DRAIN INLET PROTECTION	EACH	113.00	190.00	21,470.00
2573.502	CULVERT END CONTROLS	EACH	9.00	200.00	1,800.00
2573.503	FLOTATION SILT CURTAIN TYPE MOVING WATER	LIN FT	32.00	30.00	960.00
2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT	1,653.00	4.00	6,612.00
2574.505	SUBSOILING (P)	ACRE	13.00	350.00	4,550.00
2574.505	SOIL BED PREPARATION (P)	ACRE	13.00	150.00	1,950.00
2574.507	COMPOST GRADE 2	CU YD	3,802.00	45.00	171,090.00
2574.508	FERTILIZER TYPE 3	POUND	4,048.00	1.00	4,048.00
2574.508	FERTILIZER TYPE 4	POUND	108.00	1.50	162.00
2574.509	LIME	TON	42.00	200.00	8,400.00
2575.504	RAPID STABILIZATION METHOD 4	SQ YD	24,637.00	2.00	49,274.00
2575.504	ROLLED EROSION PREVENTION CATEGORY 10	SQ YD	3,454.00	2.00	6,908.00
2575.504	ROLLED EROSION PREVENTION CATEGORY 25	SQ YD	17,102.00	2.00	34,204.00
2575.505	SEEDING (P)	ACRE	13.00	300.00	3,900.00
2575.505	MOWING	ACRE	42.00	500.00	21,000.00
2575.505	WEED SPRAYING	ACRE	7.10	300.00	2,130.00
2575.506	WEED SPRAY MIXTURE	GALLON	3.50	100.00	350.00
2575.508	SEED MIXTURE 25-121	POUND	304.00	4.50	1,368.00

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (3)
2011.601	SETTLEMENT MONITORING	LUMP SUM	0.30	150,000.00	45,000.00
2021.501	MOBILIZATION	LUMP SUM	0.09	5,500,000.00	495,000.00
2031.502	FIELD OFFICE	EACH	0.09	120,000.00	10,800.00
2031.502	FIELD LABORATORY	EACH	0.09	75,000.00	6,750.00
2101.502	CLEARING	EACH	1.00	250.00	250.00
2101.502	GRUBBING	EACH	1.00	250.00	250.00
2101.505	CLEARING (P)	ACRE	0.40	7,000.00	2,800.00
2101.505	GRUBBING (P)	ACRE	0.40	7,000.00	2,800.00
2104.502	REMOVE PIPE APRON	EACH	2.00	210.00	420.00
2104.502	REMOVE CONCRETE NOSE	EACH	7.00	1,500.00	10,500.00
2104.502	REMOVE POST	EACH	1.00	270.00	270.00
2104.502	REMOVE GUIDE POST	EACH	3.00	100.00	300.00
2104.502	REMOVE GATE VALVE AND BOX	EACH	10.00	550.00	5,500.00
2104.502	REMOVE HYDRANT	EACH	5.00	1,100.00	5,500.00
2104.502	REMOVE DRAINAGE STRUCTURE	EACH	20.00	550.00	11,000.00
2104.502	REMOVE DELINEATOR / MARKER	EACH	4.00	50.00	200.00
2104.502	REMOVE SIGN	EACH	57.00	77.50	4,417.50
2104.502	REMOVE SIGN TYPE SPECIAL	EACH	1.00	55.00	55.00
2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	11.00	5.00	55.00
2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	218.00	3.00	654.00
2104.503	REMOVE WATER MAIN	LIN FT	2,146.00	15.00	32,190.00
2104.503	REMOVE SEWER PIPE (STORM)	LIN FT	1,757.00	18.00	31,626.00
2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	692.00	20.00	13,840.00
2104.503	REMOVE CURB AND GUTTER	LIN FT	7,663.00	4.80	36,782.40
2104.503	REMOVE FENCE	LIN FT	478.00	4.50	2,151.00
2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	198.00	12.00	2,376.00
2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	875.00	4.00	3,500.00
2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	17,565.00	5.50	96,607.50
2104.518	REMOVE BITUMINOUS WALK	SQ FT	1,508.00	1.50	2,262.00
2104.518	REMOVE CONCRETE WALK	SQ FT	20,929.00	2.00	41,858.00
2104.518	REMOVE CONCRETE MEDIAN	SQ FT	258.00	2.00	516.00
2104.603	ABANDON WATER MAIN	LIN FT	136.00	12.00	1,632.00
2106.507	EXCAVATION - COMMON (P)	CU YD	5,258.00	12.00	63,096.00
2106.507	SELECT GRANULAR EMBANKMENT (CV) (P)	CU YD	7,189.00	30.00	215,670.00

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (3)
2106.507	COMMON EMBANKMENT (CV) (P)	CU YD	118,830.00	10.00	1,188,300.00
2106.607	EXCAVATION SPECIAL	CU YD	5,500.00	14.00	77,000.00
2106.609	HAUL AND DISPOSE OF CONTAMINATED MATERIAL	TON	4,320.00	22.00	95,040.00
2211.507	AGGREGATE BASE (CV) CLASS 6 (P)	CU YD	3,795.00	35.00	132,825.00
2301.502	DOWEL BAR	EACH	32.00	15.00	480.00
2331.603	JOINT ADHESIVE	LIN FT	13,022.00	0.60	7,813.20
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2,C)	TON	174.00	90.00	15,660.00
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C)	TON	283.00	90.00	25,470.00
2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,C)	TON	123.00	90.00	11,070.00
2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)	TON	1,236.00	90.00	111,240.00
2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (4,F)	TON	2,203.00	95.00	209,285.00
2401.503	TYPE MOD P-1 BARRIER CONC (3S52)	LIN FT	766.00	150.00	114,900.00
2406.503	EXPANSION JOINTS, DESIGN E8	LIN FT	255.00	200.00	51,000.00
2406.504	BRIDGE APPROACH PANELS (P)	SQ YD	877.00	375.00	328,875.00
2411.507	STRUCTURAL CONCRETE (1G52) (P)	CU YD	447.00	600.00	268,200.00
2411.507	STRUCTURAL CONCRETE (3B52) (P)	CU YD	167.00	1,000.00	167,000.00
2411.507	STRUCTURAL CONCRETE (3G52) (P)	CU YD	544.00	1,100.00	598,400.00
2411.508	REINFORCEMENT BARS (P)	POUND	34,258.00	1.75	59,951.50
2411.508	REINFORCEMENT BARS (EPOXY COATED) (P)	POUND	140,962.00	2.00	281,924.00
2411.604	MECHANICALLY STABILIZED EARTH WALL (P)	SQ YD	969.00	700.00	678,300.00
2411.618	ARCHITECTURAL CONCRETE TEXTURE (THIN BRICK) (P)	SQ FT	207.00	40.00	8,280.00
2451.507	STRUCTURE EXCAVATION CLASS U (P)	CU YD	1,463.00	15.00	21,945.00
2451.607	STRUCTURAL BACKFILL (P)	CU YD	12,461.00	30.00	373,830.00
2451.607	STRUCTURAL BACKFILL (MOD) (P)	CU YD	5,689.00	25.00	142,225.00
2475.503	ORNAMENTAL METAL RAILING DESIGN T-4 PC	LIN FT	479.00	250.00	119,750.00
2501.502	18" RC PIPE APRON	EACH	2.00	1,500.00	3,000.00
2501.502	24" RC PIPE APRON	EACH	1.00	1,900.00	1,900.00
2502.503	4" TP PIPE DRAIN	LIN FT	84.00	15.00	1,260.00
2502.503	4" PERF TP PIPE DRAIN	LIN FT	1,391.00	12.00	16,692.00
2502.601	DRAINAGE SYSTEM	LUMP SUM	0.40	17,000.00	6,800.00
2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	383.00	60.00	22,980.00
2503.503	15" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	856.00	65.00	55,640.00
2503.503	18" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	396.00	70.00	27,720.00
2503.503	24" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	219.00	85.00	18,615.00

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (3)
2503.503	24" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	202.00	95.00	19,190.00
2503.602	CONNECT TO EXISTING STORM SEWER	EACH	1.00	3,000.00	3,000.00
2503.603	PLUG FILL AND ABANDON PIPE SEWER	LIN FT	136.00	70.00	9,520.00
2503.603	36" STEEL CASING PIPE	LIN FT	35.00	350.00	12,250.00
2503.603	42" STEEL CASING PIPE	LIN FT	60.00	500.00	30,000.00
2506.502	CASTING ASSEMBLY	EACH	26.00	900.00	23,400.00
2506.502	ADJUST FRAME AND RING CASTING	EACH	1.00	800.00	800.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN G	LIN FT	16.00	450.00	7,200.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN N	LIN FT	19.00	400.00	7,600.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	97.00	525.00	50,925.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	LIN FT	19.00	750.00	14,250.00
2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	85.00	6.00	510.00
2511.507	RANDOM RIPRAP CLASS III	CU YD	22.00	105.00	2,310.00
2521.518	4" CONCRETE WALK	SQ FT	10,724.00	6.00	64,344.00
2521.518	6" CONCRETE WALK	SQ FT	5,378.00	12.00	64,536.00
2521.518	7" CONCRETE WALK	SQ FT	3,560.00	15.00	53,400.00
2521.602	DRILL AND GROUT REINF BAR (EPOXY COATED)	EACH	261.00	16.00	4,176.00
2521.618	CONCRETE CURB RAMP WALK	SQ FT	5,917.00	16.00	94,672.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B412	LIN FT	283.00	24.00	6,792.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B618	LIN FT	425.00	26.00	11,050.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B624	LIN FT	4,962.00	28.00	138,936.00
2531.503	CONCRETE CURB AND GUTTER DESIGN R424	LIN FT	365.00	28.00	10,220.00
2531.503	CONCRETE CURB AND GUTTER DESIGN S524	LIN FT	1,625.00	30.00	48,750.00
2531.504	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	9.00	90.00	810.00
2531.603	CONCRETE SILL	LIN FT	56.00	20.00	1,120.00
2531.603	CONCRETE CURB DESIGN V	LIN FT	21.00	60.00	1,260.00
2531.618	TRUNCATED DOMES	SQ FT	613.00	55.00	33,715.00
2540.602	RELOCATE MAIL BOX SUPPORT	EACH	1.00	1,000.00	1,000.00
2545.501	LIGHTING SYSTEM "G"	LUMP SUM	1.00	31,000.00	31,000.00
2554.502	GUIDE POST TYPE B	EACH	3.00	85.00	255.00
2563.601	TRAFFIC CONTROL	LUMP SUM	0.09	950,000.00	85,500.00
2564.602	DELINEATOR / MARKER PANEL	EACH	2.00	55.00	110.00
2564.618	SIGN	SQ FT	483.00	80.00	38,640.00
2564.618	SIGN TYPE SPECIAL	SQ FT	13.00	55.00	715.00

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (4)
2011.601	SETTLEMENT MONITORING	LUMP SUM	0.40	150,000.00	60,000.00
2021.501	MOBILIZATION	LUMP SUM	0.14	5,500,000.00	770,000.00
2031.502	FIELD OFFICE	EACH	0.14	120,000.00	16,800.00
2031.502	FIELD LABORATORY	EACH	0.14	75,000.00	10,500.00
2101.502	CLEARING	EACH	13.00	250.00	3,250.00
2101.502	GRUBBING	EACH	13.00	250.00	3,250.00
2104.502	REMOVE PIPE APRON	EACH	1.00	210.00	210.00
2104.502	REMOVE CONCRETE NOSE	EACH	7.00	1,500.00	10,500.00
2104.502	REMOVE GUIDE POST	EACH	1.00	100.00	100.00
2104.502	REMOVE GATE VALVE AND BOX	EACH	14.00	550.00	7,700.00
2104.502	REMOVE HYDRANT	EACH	4.00	1,100.00	4,400.00
2104.502	REMOVE DRAINAGE STRUCTURE	EACH	37.00	550.00	20,350.00
2104.502	REMOVE DELINEATOR / MARKER	EACH	3.00	50.00	150.00
2104.502	REMOVE SIGN	EACH	52.00	77.50	4,030.00
2104.502	REMOVE SIGN TYPE SPECIAL	EACH	1.00	55.00	55.00
2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	3.00	5.00	15.00
2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	490.00	3.00	1,470.00
2104.503	REMOVE WATER MAIN	LIN FT	1,962.00	15.00	29,430.00
2104.503	REMOVE SEWER PIPE (STORM)	LIN FT	2,475.00	18.00	44,550.00
2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	1,134.00	20.00	22,680.00
2104.503	REMOVE CURB AND GUTTER	LIN FT	7,596.00	4.80	36,460.80
2104.503	REMOVE RETAINING WALL	LIN FT	120.00	25.00	3,000.00
2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	85.00	12.00	1,020.00
2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	2,642.00	4.00	10,568.00
2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	15,264.00	5.50	83,952.00
2104.518	REMOVE BITUMINOUS WALK	SQ FT	12,117.00	1.50	18,175.50
2104.518	REMOVE CONCRETE WALK	SQ FT	11,923.00	2.00	23,846.00
2104.601	REMOVE MISCELLANEOUS DEBRIS	LUMP SUM	0.10	10,000.00	1,000.00
2104.603	ABANDON WATER MAIN	LIN FT	126.00	12.00	1,512.00
2106.507	EXCAVATION - COMMON (P)	CU YD	5,988.00	12.00	71,856.00
2106.507	SELECT GRANULAR EMBANKMENT (CV) (P)	CU YD	7,564.00	30.00	226,920.00
2106.507	COMMON EMBANKMENT (CV) (P)	CU YD	125,347.00	10.00	1,253,470.00
2118.507	AGGREGATE SURFACING (CV) CLASS 2 (P)	CU YD	540.00	80.00	43,200.00
2211.507	AGGREGATE BASE (CV) CLASS 6 (P)	CU YD	3,653.00	35.00	127,855.00

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (4)
2231.604	BITUMINOUS PATCH SPECIAL	SQ YD	789.00	80.00	63,120.00
2301.502	DOWEL BAR	EACH	152.00	15.00	2,280.00
2331.603	JOINT ADHESIVE	LIN FT	11,602.00	0.60	6,961.20
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2,C)	TON	288.00	90.00	25,920.00
2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)	TON	1,416.00	90.00	127,440.00
2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (4,F)	TON	2,593.00	95.00	246,335.00
2401.503	TYPE MOD P-1 BARRIER CONC (3S52)	LIN FT	1,913.00	150.00	286,950.00
2406.503	EXPANSION JOINTS, DESIGN E8	LIN FT	261.00	200.00	52,200.00
2406.504	BRIDGE APPROACH PANELS (P)	SQ YD	1,446.00	375.00	542,250.00
2411.507	STRUCTURAL CONCRETE (1G52) (P)	CU YD	343.00	600.00	205,800.00
2411.507	STRUCTURAL CONCRETE (3B52) (P)	CU YD	573.00	1,000.00	573,000.00
2411.507	STRUCTURAL CONCRETE (3G52) (P)	CU YD	435.00	1,100.00	478,500.00
2411.508	REINFORCEMENT BARS (P)	POUND	26,765.00	1.75	46,838.75
2411.508	REINFORCEMENT BARS (EPOXY COATED) (P)	POUND	182,761.00	2.00	365,522.00
2411.604	MECHANICALLY STABILIZED EARTH WALL (P)	SQ YD	3,245.00	700.00	2,271,500.00
2411.618	ARCHITECTURAL CONCRETE TEXTURE (THIN BRICK) (P)	SQ FT	138.00	40.00	5,520.00
2451.507	STRUCTURE EXCAVATION CLASS U (P)	CU YD	2,761.00	15.00	41,415.00
2451.607	STRUCTURAL BACKFILL (P)	CU YD	6,929.00	30.00	207,870.00
2451.607	STRUCTURAL BACKFILL (MOD) (P)	CU YD	24,308.00	25.00	607,700.00
2475.503	ORNAMENTAL METAL RAILING DESIGN T-4 PC	LIN FT	1,037.00	250.00	259,250.00
2501.502	15" RC PIPE APRON	EACH	1.00	1,200.00	1,200.00
2502.503	4" TP PIPE DRAIN	LIN FT	221.00	15.00	3,315.00
2502.503	4" PERF TP PIPE DRAIN	LIN FT	5,149.00	12.00	61,788.00
2502.601	DRAINAGE SYSTEM	LUMP SUM	0.30	17,000.00	5,100.00
2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	439.00	60.00	26,340.00
2503.503	15" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	773.00	65.00	50,245.00
2503.503	21" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	90.00	80.00	7,200.00
2503.503	24" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	466.00	85.00	39,610.00
2503.503	27" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	210.00	100.00	21,000.00
2503.503	27" RC PIPE SEWER DESIGN 3006 CLASS IV	LIN FT	143.00	120.00	17,160.00
2503.503	30" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	339.00	120.00	40,680.00
2503.503	36" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	165.00	150.00	24,750.00
2503.503	36" RC PIPE SEWER DESIGN 3006 CLASS IV	LIN FT	27.00	180.00	4,860.00
2503.503	36" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	288.00	200.00	57,600.00

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (4)
2503.503	42" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	228.00	200.00	45,600.00
2503.503	42" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	490.00	250.00	122,500.00
2503.503	42" RC PIPE SEWER DESIGN 3006 CLASS V-JACKED	LIN FT	172.00	1,500.00	258,000.00
2503.602	CONNECT TO EXISTING STORM SEWER	EACH	5.00	3,000.00	15,000.00
2503.603	PLUG FILL AND ABANDON PIPE SEWER	LIN FT	319.00	70.00	22,330.00
2503.603	42" STEEL CASING PIPE	LIN FT	45.00	500.00	22,500.00
2503.603	48" STEEL CASING PIPE	LIN FT	35.00	750.00	26,250.00
2503.603	72" STEEL CASING PIPE	LIN FT	65.00	1,250.00	81,250.00
2503.603	72" STEEL CASING PIPE (JACKED)	LIN FT	85.00	1,500.00	127,500.00
2503.603	CONSOLIDATION GROUT	LIN FT	90.00	350.00	31,500.00
2506.502	CASTING ASSEMBLY	EACH	39.00	900.00	35,100.00
2506.502	ADJUST FRAME AND RING CASTING	EACH	2.00	800.00	1,600.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN F	LIN FT	30.00	450.00	13,500.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN G	LIN FT	8.00	450.00	3,600.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN N	LIN FT	32.00	400.00	12,800.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 1	LIN FT	4.00	450.00	1,800.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	102.00	525.00	53,550.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	LIN FT	88.00	750.00	66,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 72-4020	LIN FT	23.00	875.00	20,125.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 84-4020	LIN FT	20.00	1,500.00	30,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 96-4020	LIN FT	8.00	2,000.00	16,000.00
2506.602	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 4	EACH	1.00	30,000.00	30,000.00
2521.518	4" CONCRETE WALK	SQ FT	9,426.00	6.00	56,556.00
2521.518	6" CONCRETE WALK	SQ FT	4,201.00	12.00	50,412.00
2521.518	7" CONCRETE WALK	SQ FT	3,560.00	15.00	53,400.00
2521.602	DRILL AND GROUT REINF BAR (EPOXY COATED)	EACH	263.00	16.00	4,208.00
2521.618	CONCRETE CURB RAMP WALK	SQ FT	6,521.00	16.00	104,336.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B412	LIN FT	283.00	24.00	6,792.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B612	LIN FT	95.00	24.00	2,280.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B618	LIN FT	843.00	26.00	21,918.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B624	LIN FT	2,932.00	28.00	82,096.00
2531.503	CONCRETE CURB AND GUTTER DESIGN R424	LIN FT	365.00	28.00	10,220.00
2531.503	CONCRETE CURB AND GUTTER DESIGN S524	LIN FT	1,317.00	30.00	39,510.00
2531.504	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	26.00	90.00	2,340.00

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (4)
2531.603	CONCRETE SILL	LIN FT	45.00	20.00	900.00
2531.603	CONCRETE CURB DESIGN V	LIN FT	48.00	60.00	2,880.00
2531.618	TRUNCATED DOMES	SQ FT	552.00	55.00	30,360.00
2545.501	LIGHTING SYSTEM "H"	LUMP SUM	1.00	36,000.00	36,000.00
2554.502	GUIDE POST TYPE B	EACH	4.00	85.00	340.00
2563.601	TRAFFIC CONTROL	LUMP SUM	0.14	950,000.00	133,000.00
2564.602	DELINEATOR / MARKER PANEL	EACH	4.00	55.00	220.00
2564.618	SIGN	SQ FT	417.00	80.00	33,360.00
2564.618	SIGN TYPE SPECIAL	SQ FT	17.00	55.00	935.00
2572.503	TEMPORARY FENCE	LIN FT	93.00	5.00	465.00
2572.503	CLEAN ROOT CUTTING	LIN FT	80.00	7.00	560.00
2573.502	STORM DRAIN INLET PROTECTION	EACH	23.00	190.00	4,370.00
2573.502	CULVERT END CONTROLS	EACH	1.00	200.00	200.00
2573.503	SILT FENCE, TYPE MS	LIN FT	481.00	2.50	1,202.50
2574.505	SUBSOILING (P)	ACRE	3.00	350.00	1,050.00
2574.505	SOIL BED PREPARATION (P)	ACRE	3.00	150.00	450.00
2574.507	COMPOST GRADE 2	CU YD	936.00	45.00	42,120.00
2574.508	FERTILIZER TYPE 3	POUND	1,219.00	1.00	1,219.00
2574.509	LIME	TON	10.00	200.00	2,000.00
2575.505	SEEDING (P)	ACRE	3.00	300.00	900.00
2575.505	MOWING	ACRE	10.00	500.00	5,000.00
2575.505	WEED SPRAYING	ACRE	1.70	300.00	510.00
2575.506	WEED SPRAY MIXTURE	GALLON	0.85	100.00	85.00
2575.508	SEED MIXTURE 25-131	POUND	375.00	4.50	1,687.50
2575.508	SEED MIXTURE 35-221	POUND	65.00	25.00	1,625.00
2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	13,565.00	2.00	27,130.00
2575.523	RAPID STABILIZATION METHOD 3	M GALLON	21.00	650.00	13,650.00
2582.503	4" SOLID LINE MULTI-COMPONENT GROUND IN (WR)	LIN FT	5,986.00	1.10	6,584.60
2582.503	12" SOLID LINE MULTI-COMPONENT GROUND IN (WR)	LIN FT	36.00	10.00	360.00
2582.503	4" BROKEN LINE MULTI-COMPONENT GROUND IN (WR)	LIN FT	567.00	1.10	623.70
2582.503	4" DOUBLE SOLID LINE MULTI-COMPONENT GROUND IN (WR)	LIN FT	1,240.00	4.00	4,960.00
2582.503	12" DOTTED LINE PREFORM THERMO GROUND IN ESR	LIN FT	207.00	22.00	4,554.00
2582.518	PAVEMENT MESSAGE PREFORM THERMOPLASTIC GROUND IN	SQ FT	108.00	25.00	2,700.00
2582.518	CROSSWALK PREFORM THERMOPLASTIC GROUND IN	SQ FT	150.00	22.00	3,300.00

ANOKA COUNTY

RESOLUTION

IT IS RESOLVED that Anoka County enter into MnDOT Agreement 1052605 with the State of Minnesota, Department of Transportation for the following purposes:

To provide for payment by the State to the County of the State's share of the costs of the grading, bituminous surfacing, ADA improvements, retaining walls, noise walls, high tension cable guardrail, TMS, lighting, and roundabouts construction and other associated construction to be performed upon, along, and adjacent to Trunk Highway 10 from 0.37 miles east of Armstrong Boulevard (County State Aid Highway [CSAH] 83) TO 0.57 miles east of Sunfish Lake Boulevard (CSAH 57) and on CSAH 56 from 0.02 miles south of TH 10/169 to 0.40 miles south of Bunker Lake Boulevard (CSAH 116) and on CSAH 57 from TH 10/169 to 0.11 miles south of Bunker Lake Boulevard (CSAH 116) and on Riverdale Drive from 0.15 miles west of Ramsey Boulevard to 0.13 miles east of Ramsey Boulevard, and on Sunfish Lake Boulevard from Riverdale Drive to TH 10 under State Project 002-596-026 and State Project 0202-116 (TH 10=003).

IT IS FURTHER RESOLVED that the _____
(Title)

and the _____
(Title)

are authorized to execute the Agreement and any amendments to the Agreement.

CERTIFICATION

I certify that the above Resolution is an accurate copy of the Resolution adopted by the Board of Commissioners of Anoka County at an authorized meeting held on the _____ day of _____, 2023, as shown by the minutes of the meeting in my possession.

Subscribed and sworn to me this
_____ day of _____, 2023

Notary Public _____

My Commission Expires _____

(Signature)

(Type or Print Name)

(Title)

CITY OF RAMSEY

RESOLUTION

IT IS RESOLVED that the City of Ramsey enter into MnDOT Agreement 1052605 with the State of Minnesota, Department of Transportation for the following purposes:

To provide for payment by the City to the State of the City's share of the costs of the construction engineering in connection with the City water main and sanitary sewer construction to be performed upon, along, and adjacent to Trunk Highway 10 from 0.37 miles east of Armstrong Boulevard (County State Aid Highway [CSAH] 83) TO 0.57 miles east of Sunfish Lake Boulevard (CSAH 57) and on CSAH 56 from 0.02 miles south of TH 10/169 to 0.40 miles south of Bunker Lake Boulevard (CSAH 116) and on CSAH 57 from TH 10/169 to 0.11 miles south of Bunker Lake Boulevard (CSAH 116) and on Riverdale Drive from 0.15 miles west of Ramsey Boulevard to 0.13 miles east of Ramsey Boulevard, and on Sunfish Lake Boulevard from Riverdale Drive to TH 10 under State Project 002-596-026 and State Project 0202-116 (TH 10=003).

IT IS FURTHER RESOLVED that the Mayor and the _____
(Title)
are authorized to execute the Agreement and any amendments to the Agreement.

CERTIFICATION

I certify that the above Resolution is an accurate copy of the Resolution adopted by the Council of the City of Ramsey at an authorized meeting held on the _____ day of _____, 2023, as shown by the minutes of the meeting in my possession.

Subscribed and sworn to me this _____ day of _____, 2023
Notary Public _____
My Commission Expires _____

_____ (Signature)
_____ (Type or Print Name)
_____ (Title)