

RICHLAND COUNTY
DEVELOPMENT & SERVICES
COMMITTEE AGENDA



Thursday, DECEMBER 17, 2020

5:00 PM

ZOOM MEETING

The Honorable Allison Terracio, Chair

County Council District 5

The Honorable Gwen Kennedy

County Council District 7

The Honorable Jim Manning

County Council District 8

The Honorable Chakisse Newton

County Council District 11

RICHLAND COUNTY COUNCIL 2020



Bill Malinowski
District 1
2018-2022



Joyce Dickerson
District 2
2016-2020



Yvonne McBride
District 3
2016-2020



Paul Livingston
District 4
2018-2022



Allison Terracio
District 5
2018-2022



Joe Walker, III
District 6
2018-2022



Gwendolyn Kennedy
District 7
2016-2020



Jim Manning
District 8
2016-2020



Calvin "Chip" Jackson
District 9
2016-2020



Dalhi Myers
District 10
2016-2020



Chakisse Newton
District 11
2018-2022





Richland County Development & Services Committee

December 17, 2020 - 5:00 PM
Zoom Meeting
2020 Hampton Street, Columbia, SC 29201

1. **CALL TO ORDER** The Honorable Allison Terracio
2. **APPROVAL OF MINUTES** The Honorable Allison Terracio
 - a. Regular Session: November 19, 2020 [PAGES 7-11]
3. **ADOPTION OF AGENDA** The Honorable Allison Terracio
4. **ITEMS FOR ACTION** The Honorable Allison Terracio
 - a. Move that Richland County discontinue its practice of demolishing private property in the unincorporated areas of Richland County where that property is not on a public road without that property owner's consent and opportunity to be heard by Richland County council, and I further move that any and all such involuntary demolitions be incurred at the County's expense and not the property owner's expense. [MYERS] [PAGES 12-17]
 - b. SCDOT Snow and Ice Removal Agreement (Local Governments) [PAGES 18-40]
 - c. Comprehensive Transportation Improvement Plan (CTIP) with Capital Improvement Project (CIP) budgets and proposed Projects for FY21 [PAGES 41-57]
5. **ITEMS PENDING ANALYSIS: NO ACTION REQUIRED** The Honorable Allison Terracio
 - a. I move to evaluate affordable housing options to include the option of establishing an Affordable Housing Trust Fund for Richland County as a benefit to the public. Housing is considered to be "affordable" when 30% or

less of one's income is spent on housing and utilities. In Richland County, nearly half of renters pay more than a third of their income on rent and utilities [TERRACIO]

- b.** I move to direct the County Attorney to work with the County Administrator to research and draft an absentee landlord ordinance. The ordinance should provide potential remedies for individuals who violate county ordinances and provide, via supplemental documentation, a comprehensive review of the legal impacts [potentially] associated with the adoption of such an ordinance. [NEWTON and DICKERSON]
- c.** Amend the County's current ordinance, in order to allow lighting on Broad River Road [DICKERSON]

6. ADJOURNMENT



Special Accommodations and Interpreter Services Citizens may be present during any of the County's meetings. If requested, the agenda and backup materials will be made available in alternative formats to persons with a disability, as required by Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C. Sec. 12132), as amended and the federal rules and regulations adopted in implementation thereof. Any person who requires a disability-related modification or accommodation, including auxiliary aids or services, in order to participate in the public meeting may request such modification, accommodation, aid or service by contacting the Clerk of Council's office either in person at 2020 Hampton Street, Columbia, SC, by telephone at (803) 576-2061, or TDD at 803-576-2045 no later than 24 hours prior to the scheduled meeting.



Richland County Council
Development & Service
November 19, 2020 -5:00 PM
Zoom Meeting

COMMITTEE MEMBERS PRESENT: Allison Terracio, Chair, Jim Manning and Chakisse Newton

OTHERS PRESENT: Paul Livingston, Joyce Dickerson Bill Malinowski, Michelle Onley, Leonardo Brown, Tamar Black, Angela Weathersby, Ashiya Myers, Mike Zaprzalka, Clayton Viognier, Ashley Powell, Stacey Hamm, Michael Maloney, John Thompson, Brian Crooks, Geo Price, James Hayes, Randy Pruitt, Ronaldo Myers, Brittney Hoyle-Terry, Hayden Davis, Jennifer Wladischkin, Brad Farrar, Michael Byrd, Sandra Haynes and Dwight Hanna

1. **CALL TO ORDER** – Ms. Terracio called the meeting to order at approximately 5:01 PM.
2. **APPROVAL OF MINUTES** – Mrs. Newton moved, seconded by Ms. Terracio, to approve the minutes as distributed.

In Favor: Terracio, Newton

No Present: Kennedy

The vote in favor was unanimous.

3. **ADOPTION OF AGENDA** – Ms. Terracio stated she had received a request from staff to add the “Transfer of Ownership of Water Lines from the City of Columbia to PRISMA Health” to the agenda. This item was deferred at the last committee meeting, and inadvertently left off of this motion’s agenda.

Mr. Manning moved, seconded by Ms. Newton, to add the “Transfer of Ownership of Water Lines from the City of Columbia to PRISMA Health” to the agenda.

In Favor: Terracio, Manning, Newton

Nor Present: Kennedy

The vote in favor was unanimous.

Ms. Newton moved, seconded by Ms. Terracio, to adopt the agenda as amended.

In Favor: Terracio, Manning, Newton

No Present: Kennedy

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The vote in favor was unanimous.

4. **ITEMS FOR ACTION**

- a. **Transfer of Ownership of Water Lines from the City of Columbia to PRISMA Health** – Ms. Terracio stated the agenda addendum was circulated via email, and included answers to Council’s questions regarding this request to transfer ownership of the water lines. Since committee members may not have had enough time to digest this information, she assumes no action will be taken tonight, but she would like staff to brief us on the item.

Mr. Manning noted the briefing document and the addendum were sent to Council approximately a week ago.

Ms. Terracio inquired if the committee was prepared to move forward on this item.

Mr. Manning moved, seconded by Ms. Newton, to allow the hospital to move forward on this well water project.

Mr. Manning noted the agreement went through Richland County legal to make sure the indemnity clauses were in place, so if anything happened to them because it is on our property, that Richland County would not be held responsible for it. Apparently an ambitious engineer told the engineer at PRISMA that they needed to get permission from the County, which is how it ultimately got to Dr. Thompson. Before when PRISMA did thing on their property, they did not go to the City of Columbia Administration to come to the County. From what he can tell, they would traditionally go through the permitting process with DHEC through the City’s Water Division. This agreement will provide a backup well for the citizens of Richland County, so we do not have bring tanker trucks onto the PRIMSA Richland campus like we did in 2015. As a result of the situation in 2015, they dug a well to connect to City water and the City’s pipes. He believes it is very important for us to move forward on this project. Basically, the project is complete and they are waiting on Richland County’s permission for them to assume ownership.

Ms. Newton noted that Mr. Manning made some assertions about Legal and indemnifications. Since she has not seen the document she would like to hear from Legal on this item.

Dr. Thompson stated, in terms of the indemnification clause, County Legal advised that PRISMA put forth an indemnification clause and documentation for them to review. PRISMA did that and our County legal approved that particular document. Also, the County Utilities Department’s Director has approved this project, and has no objection to this. The County Finance and Budget Directors have also approved this project. It does not have a fiscal impact on us, and we will stand by that indemnification clause to ensure that PRISMA takes full responsibility for it. We support the project because it is a redundancy system for them. We want to make sure if something happens again they will have a backup system to provide the necessary water supply to their facility. There is no objection from Richland County staff with moving forward with PRISMA Health acquiring the water lines.

Mr. Farrar stated that they reviewed the documents and he sent out an attorney-client privilege email on November 3rd highlighting the various sections and the agreements going back to 1988, which contained indemnification and insurance provisions in favor of Richland County, as the property owner. He noted he had no concerns about the indemnification agreement that

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tendered, in addition to the earlier protections.

Mr. Malinowski noted, at the last meeting, there were various amendments throughout the agreement that addressed other buildings on the grounds and other changes that came about. He wanted to ensure that we did not need go back and put an amendment into the overall restructure, not just a hold harmless.

Mr. Farrar responded, because of the various agreements, he paid special attention to ensure there were no gaps in coverage for the County, and did not find any. He found that this was more of an addition to, not in lieu of or to the exclusion of other provisions.

In Favor: Terracio, Manning, Newton

Not Present: Kennedy

The motion in favor was unanimous.

- b. Move to engage a third-party consultant to undertake work on Richland Renaissance, which was approved 11-0 by this Council in early 2019. Staff has chosen to postpone this Council-approved project, which would alleviate serious facility constraints and result in savings over time, as the County would not spend money on short-term repairs, but on long-term needed facilities planning and construction [MYERS] - Mr. Manning moved, seconded by Ms. Newton, to authorize the administration to engage a third-party consultants to undertake a comprehensive review of Richland County's long-term needed facilities and service delivery planning and construction work. Additionally, Administration will newly brand this plan and discontinue formal references to Richland Renaissance moving forward.

Ms. Newton requested clarity on the part of the motion that talks about service delivery planning.

Mr. Manning stated a lot of what the county does is deliver services. He thought that it was important, because if we are looking at where buildings are located, a lot of times services are delivered from those buildings (i.e. Treasurer's office, Comptroller's office, Auditor's office). So if we're looking at facilities being buildings, if we were to move some of those administrative functions to another facility, he thinks we ought to look at the services we are providing to the citizens, in connection to actual buildings.

Ms. Terracio inquired if this motion mirror the motion made at Tuesday night's Council meeting.

Mr. Manning responded in the affirmative.

In Favor: Terracio, Manning, Newton

Not Present: Kennedy

The motion in favor was unanimous.

- c. Move that Richland County proceed with completing the plan to move the EOC/EMS out of the

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windowless basement of the parking garage to the old junkyard property brought years ago for that purpose at the corner of Two Notch Rd and Cushman Drive [MANNING] Mr. Manning moved, second by Ms. Newton, to table this item based on the previous motion (4b).

In Favor: Terracio, Manning, Newton

Not Present: Kennedy

The motion in favor was unanimous.

- d. Move that Richland County discontinue its practice of demolishing private property in the unincorporated areas of Richland County where that property is not on a public road without that property owner's consent and opportunity to be heard by Richland County council, and I further move that any and all such involuntary demolitions be incurred at the County's expense and not the property owner's expense. [MYERS] Mr. Manning moved, second by Ms. Newton, to defer this item to next month

In Favor: Terracio, Manning, Newton

Not Present: Kennedy

The motion in favor was unanimous.

5. **ITEMS PENDING ANALYSIS: NO ACTION REQUIRED**

- a. I move to evaluate affordable housing options to include the option of establishing an Affordable Housing Trust Fund for Richland County as a benefit to the public. Housing is considered to be "affordable" when 30% or less of one's income is spent on housing and utilities. In Richland County, nearly half of renters pay more than a third of their income on rent and utilities[TERRACIO] - No action was taken.
- b. I move to direct the County Attorney to work with the County Administrator to research and draft an absentee landlord ordinance. The ordinance should provide potential remedies for individuals who violate county ordinances and provide, via supplemental documentation, a comprehensive review of the legal impacts [potentially] associated with the adoption of such an ordinance. [NEWTON and DICKERSON] - Ms. Dickerson noted she has been in with the Legal Department on this particular item and it appears that there are several items already in our ordinance that pertain to this. She would like Legal to draft an ordinance to address just this particular item, without having to go through the whole ordinance.

Ms. Newton clarified staff had worked on making some revisions, and inquired if Legal had an update at this time.

Mr. Farrar stated he has not been assisting Ms. Dickerson on this matter, but he noted the County has an International Property Maintenance Code, which has a lot of provisions in line with what this is intended to accomplish. The problem is it is hard to get a hold of one of those copies, but he does agree with that probably should be brought into the main County code so you can search that online. The second thing, under State law, for many years, there has been something known as the South Carolina Residential Landlord Tenant Act, which has a lot of protections. He would emphasize those things need to be easier to access.

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Ms. Dickerson noted we are dealing with some very serious issues in our County with absentee landlords, and the way that it is contributing to the blight in our communities.

Ms. Terracio stated that she could not agree with Ms. Dickerson more, even though their constituents' complaints may be slightly different, the source of the complaints is the same. In District 5, the result is the tenants are not making very good neighbors and contributing to trash, blight and general discomfort with the neighbors.

6. **ADJOURNMENT** – The meeting adjourned at approximately 5:37 PM.



Agenda Briefing

Prepared by:	Clayton Voignier	Title:	Director
Department:	Community Planning & Development	Division:	Building Inspections
Date Prepared:	November 2, 2020	Meeting Date:	November 19, 2020
Legal Review	Elizabeth McLean via email	Date:	November 06, 2020
Budget Review	James Hayes via email	Date:	November 05, 2020
Finance Review	Stacey Hamm via email	Date:	November 05, 2020
Approved for consideration:	Assistant County Administrator	Ashley M. Powell, Assoc. AIA, AICP	
Committee	Development & Services Committee		
Subject:	Proposed Changes to Procedures for Demolishing Unsafe Structures		

STAFF’S RECOMMENDED ACTION:

Staff recommends continuing the current implementation and enforcement procedures that comply with the International Property Maintenance Code (IMPC) and adopted by the County Council under County Code of Ordinances, Chapter 6, Article X, Sec. 6-182 in its entirety as relates to the demolition of unsafe structures throughout unincorporated Richland County.

Request for Council Reconsideration: Yes

FIDUCIARY:

Are funds allocated in the department’s current fiscal year budget?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
If no, is a budget amendment necessary?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No

ADDITIONAL FISCAL/BUDGETARY MATTERS TO CONSIDER:

COUNTY ATTORNEY’S OFFICE FEEDBACK/POSSIBLE AREA(S) OF LEGAL EXPOSURE:

To make the change requested in the motion, the County would likely need to rescind the adoption of the International Property Maintenance Code and adopt some other mechanism for enforcing unsafe housing, or readopt only specific portions of the International property maintenance code. Additionally, we would need to be very careful about violation Equal Protection and the prohibition against spending public funds on private property.

REGULATORY COMPLIANCE:

The motion as written does not comply with the current adopted County Code of Ordinances, Chapter 6, Article X, Sec. 6-182.

Motion of Origin:

Move that Richland County discontinue its practice of demolishing private property in the unincorporated areas of Richland County where that property is not on a public road without that property owner's consent and opportunity to be heard by Richland County council, and I further move that any and all such involuntary demolitions be incurred at the County's expense and not the property owner's expense [MYERS].

Council Member	Dalhi Myers, District 10
Meeting	Regular Session Council
Date	October 20, 2020

STRATEGIC & GENERATIVE DISCUSSION:

The Richland County Property Maintenance (PM) program addresses unsafe structures on premises. The term premise is defined in the code as “a lot, plot or parcel of land, easement or public way, including any structure thereon.” Proper notification is provided to the registered owners who are afforded the opportunity to abate violations on their structure as directed by the International Property Maintenance Code (IPMC) prior to proceeding with demolition of any structures.

The County’s procedures for demolishing unsafe structures comply with the International Property Maintenance Code (IPMC). IPMC is a South Carolina Department of Labor, Licensing and Regulation Building Commission permissive code adopted in its entirety by Richland County Council under Chapter 6, Article X, and Sec. 6-182 of the County’s Code of Ordinances. All structures identified for demolition within the unincorporated areas of Richland County fall within the prescriptive measures outlined in the IPMC and are enforced as such.

In general, County Council adopts ordinances pursuant to state law. Richland County Code of Ordinances 6-182 adopted the IPMC in its entirety, making it an enforceable code by Richland County. The Code Official, through the PM program, follows the IPMC in its entirety as a legally enforceable document for managing all structures to ensure public health, safety, and welfare. The State of South Carolina Building Codes Council has mandated building codes referenced in S.C. Code Ann. §6-9-50 (1976, as amended) to be enforced by all municipalities and counties in South Carolina. The mandated codes are the eight (8) primary building codes. Although the IPMC is not one of the mandated codes, it is a permissive code and jurisdictions have the option to adopt it or not. Richland County Council has opted to adopt the code under Chapter 6, Article X, and Sec. 6-182 of the County’s Ordinance. The County Council does not have the authority to change the content in the IPMC. As such, the County Code of Ordinances would have to be amended to facilitate the intent of the proposed motion.

There are options available to the County Council when adopting permissive building codes as the enforceable document for the ordinance. International Code Council Codes (I-Codes) can be adopted as the stand-alone code or as the basis of laws and regulations within the jurisdiction. To facilitate the proposed motion, the County Code of Ordinances would need to be amended. The amended ordinance would need to specify which portions of the IPMC would not be enforced followed by three (3) readings

and a public hearing for adoption. The items below demonstrate options the County Council can take when adopting the IPMC:

1. Amend the County Code of Ordinances to rescind the adoption of the IPMC in its entirety and add the desired procedures under Chapter 6, Article X pertaining to Property Maintenance.
2. Amend the County Code of Ordinances to adopt the IPMC code in part with the exception of the administrative and enforcement sections (Sections 103-112) and add the desired administrative and enforcement procedures to be used in conjunction with the remainder of the adopted IPMC.

ADDITIONAL COMMENTS FOR CONSIDERATION:

The Property Maintenance Program promotes and protects public health, safety, and general welfare of Richland County citizens through the removal of unsafe structures. The program operates under the scope and intent of the IMPC outlined in Chapter 1.

[A] 101.2 Scope. The provisions of this code shall apply to all existing residential and nonresidential structures and all existing *premises* and constitute minimum requirements and standards for *premises*, structures, equipment and facilities for light, *ventilation*, space, heating, sanitation, protection from the elements, a reasonable level of safety from fire and other hazards, and for a reasonable level of sanitary maintenance; the responsibility of *owners*, an owner's authorized agent, *operators* and *occupants*; the *occupancy* of existing structures and *premises*, and for administration, enforcement and penalties.

[A] 101.3 Intent. This code shall be construed to secure its expressed intent, which is to ensure public health, safety and welfare in so far as they are affected by the continued *occupancy* and maintenance of structures and *premises*. Existing structures and *premises* that do not comply with these provisions shall be altered or repaired to provide a minimum level of health and safety as required herein.

The Property Maintenance (PM) program operates throughout the unincorporated County to identify those structures that are unsafe and dangerous to the community's overall health and life safety. These factors are outlined in the IMPC, Sec 108.

108.1 General. When a structure or equipment is found by the *code official* to be unsafe, or when a structure is found unfit for human *occupancy*, or is found unlawful, such structure shall be *condemned* pursuant to the provisions of this code.

108.1.1 Unsafe structures. An unsafe structure is one that is found to be dangerous to the life, health, property or safety of the public or the *occupants* of the structure by not providing minimum safeguards to protect or warn *occupants* in the event of fire, or because such structure contains unsafe equipment or is so damaged, decayed, dilapidated, structurally unsafe or of such faulty construction or unstable foundation.

Authority to Enforce Code

The code authorizes and directs the Code Official to enforce the provisions of the code. Likewise, the State of South Carolina requires the Code Official to be registered or licensed to execute the provisions of the code. The Code Official has the responsibility to identify and proceed with the prescriptive measures in the condemning and demolition of such structures. This authority cannot be delegated outside the licensed Code Official and is outlined in Sec. 104 and 108 of the IPMC and SC Code of Laws Section 6-8-60.

[A] 104.1 General. The *code official* is hereby authorized and directed to enforce the provisions of this code. The *code official* shall have the authority to render interpretations of this code and to adopt policies and procedures in order to clarify the application of its provisions. Such interpretations, policies and procedures shall comply with the intent and purpose of this code. Such policies and procedures shall not have the effect of waiving requirements specifically provided for in this code.

108.1 General. When a structure or equipment is found by the *code official* to be unsafe, or when a structure is found unfit for human *occupancy*, or is found unlawful, such structure shall be *condemned* pursuant to the provisions of this code.

110.1 General. The *code official* shall order the *owner* or *owner's* authorized agent of any *premises* upon which is located any structure, which in the *code official's* or *owner's* authorized agent judgment after review is so deteriorated or dilapidated or has become so out of repair as to be dangerous, unsafe, insanitary or otherwise unfit for human habitation or occupancy, and such that it is unreasonable to repair the structure, to demolish and remove such structure;

Code of Laws/Section 6-8-60. Application for registration; special and general registration.

(A) A person seeking registration as required by this chapter shall apply on a form prescribed by the council.

(B) An applicant shall furnish satisfactory proof to the council of valid certification by a recognized code organization or testing agency in the general or special construction trade discipline for which he is employed to perform an inspection. A special registration authorizes the registrant to practice in the named construction discipline only. A general registration authorizes a registrant to practice in all construction trade disciplines for which certification has been obtained. The council or its designated representatives shall review the guidelines employed by the code organization or testing agency in order to determine their continued compatibility with the requirements considered by the council to be consistent with this chapter.

Evaluation and Demolition Procedures

The PM program follows a lengthy and outlined process when identifying a structure for demolition. The process starts with identifying unsafe structures throughout the County as defined in section 108.1 of the IPMC.

108.1.1 Unsafe structures. An unsafe structure is one that is found to be dangerous to the life, health, property or safety of the public or the *occupants* of the structure by not providing minimum safeguards

to protect or warn *occupants* in the event of fire, or because such structure contains unsafe equipment or is so damaged, decayed, dilapidated, structurally unsafe or of such faulty construction or unstable foundation, that partial or complete collapse is possible.

All structures are evaluated for structural stability and safety, then placed on a County Demolition List by the number assigned to the structure based on the rating it received. The higher the number rating, the higher on the list the structure will be assigned. The highest numbers are demolished first. The property owner is notified and allowed to abate the unsafe structure violation. The citizen or property owner is asked to provide their abatement plan and timeline for the structure's rehabilitation. No structure is demolished if the property owner has established an abatement plan with the PM program. The PM program regularly sends out Notice of Violation letters to the listed owner, which allows the owner multiple opportunities to establish an abatement plan and prevent the structure from being demolished. When the property owner does not respond to the notification letters or fails to present an abatement plan, the PM program proceeds with bidding the property out for demolition. Once demolition is completed, a lien is placed on the property. The IMPC directs the cost of demolition and removal be charged against the real estate where the structure is located. The IMPC does not allow for the County to incur those costs. The owner may choose to demolish their structure at their own expense to avoid the lien. If the structure has been designated as a historic property, PM program facilitates communication between the owner and the appropriate agency to provide needed assistance to restore the property. If at any time throughout the process the owner feels the intent of the IPMC or rules legally adopted have been incorrectly interpreted, the provisions of the IPMC do not apply, or requirements of the IPMC are adequately satisfied by other means, they have the right to appeal to the Board of Building Code Appeals. The various steps in this process are addressed in the IPMC sections below.

108.6 Abatement methods. The *owner*, *owner's* authorized agent, *operator* or *occupant* of a building, *premises* or equipment deemed unsafe by the *code official* shall abate or cause to be abated or corrected such unsafe conditions either by repair, rehabilitation, demolition or other *approved* corrective action.

107.1 Notice to person responsible. Whenever the *code official* determines that there has been a violation of this code or has grounds to believe that a violation has occurred, notice shall be given in the manner prescribed in Sections 107.2 and 107.3 to the person responsible for the violation as specified in this code. Notices for condemnation procedures shall comply with Section 108.3.

107.2 Form. Such notice prescribed in Section 107.1 shall be in accordance with all of the following:

1. Be in writing.
2. Include a description of the real estate sufficient for identification.
3. Include a statement of the violation or violations and why the notice is being issued.
4. Include a correction order allowing a reasonable time to make the repairs and improvements required to bring the *dwelling unit* or structure into compliance with the provisions of this code.
5. Inform the property *owner* or *owner's* authorized agent of the right to appeal.
6. Include a statement of the right to file a lien in accordance with Section 106.3.

110.3 Failure to comply. If the *owner* of a *premises* or owner's authorized agent fails to comply with a demolition order within the time prescribed, the *code official* shall cause the structure to be demolished and removed, either through an available public agency or by contract or arrangement with private persons, and the cost of such demolition and removal shall be charged against the real estate upon which the structure is located and shall be a lien upon such real estate.

111.1 Application for appeal. Any person directly affected by a decision of the *code official* or a notice or order issued under this code shall have the right to appeal to the board of appeals, provided that a written application for appeal is filed within 20 days after the day the decision, notice or order was served. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or the requirements of this code are adequately satisfied by other means.

Attachments

None

**RICHLAND COUNTY
ADMINISTRATION**

2020 Hampton Street, Suite 4069
Columbia, SC 29204
803-576-2050



Agenda Briefing

Prepared by:	Christopher S. Eversmann		Title:	Deputy Director
Department:	Public Works	Division:	Administration	
Date Prepared:	December 3, 2020	Meeting Date:	December 17, 2020	
Legal Review	Elizabeth McLean via email		Date:	December 07, 2020
Budget Review	James Hayes via email		Date:	December 07, 2020
Finance Review	Stacey Hamm via email		Date:	December 07, 2020
Approved for consideration:	Assistant County Administrator	John M. Thompson, Ph.D., MBA, CPM		
Committee	Development & Services			
Subject:	SCDOT Snow and Ice Removal Agreement (Local Governments)			

STAFF’S RECOMMENDED ACTION:

That Richland County Council approve, and delegate to the County Administrator future approvals, an annual Snow and Ice Removal Agreement with the South Carolina Department of Transportation (SCDOT) that allows for reimbursement of the Richland County Department of Public Works, Roads & Drainage Maintenance (RDM) Division, for equipment and employees deployed to assist on the clearing of the State Road Maintenance System during an emergency winter weather event.

Request for Council Reconsideration: Yes

FIDUCIARY:

Are funds allocated in the department’s current fiscal year budget?	<input checked="" type="checkbox"/>	Yes		No
If no, is a budget amendment necessary?		Yes		No

ADDITIONAL FISCAL/BUDGETARY MATTERS TO CONSIDER:

This agreement provides for the reimbursement of the County for the emergency deployment of equipment and employees according to prevailing Federal rates. Any other incidental expenses incurred, anticipated to be relatively minor, will be covered by existing operating budgets. If enacted, this should be a net revenue gain for the County.

COUNTY ATTORNEY’S OFFICE FEEDBACK/POSSIBLE AREA(S) OF LEGAL EXPOSURE:

The basic agreement was reviewed and edited previously by Deputy County Attorney Farrar.

REGULATORY COMPLIANCE:

None applicable.

MOTION OF ORIGIN:

There is no associated Council motion of origin.

Council Member	
Meeting	
Date	

STRATEGIC & GENERATIVE DISCUSSION:

The request is for the approval of an agreement between the SCDOT and Richland County for support with employees and equipment during a winter weather emergency event and reimbursement for same. It is necessary to ensure adequate response to clearing major roads within the County in the event of a winter weather emergency event. Functions addressed include emergency response, intergovernmental cooperation, and financial best practices.

If the agreement is approved, execution by the County Administrator and implementation on an as-needed basis in the event of a winter weather emergency will follow. Primary coordination will be between the Director of Public Works and the SCDOT Resident Maintenance Engineer.

Approval of this agreement will help ensure that major roads within Richland County are safely cleared in a timely manner in the event of a winter weather emergency and that Richland County is reimbursed for its efforts on behalf of the State Road Maintenance System.

Disapproval, however, will slow the clearance, and thereby the safety, of major roads within Richland County in the event of a winter weather emergency. Major road access and efficiency will be negatively impacted, as will all associated functions that rely upon ground transportation.

County Council has not previously acted on an agreement of this nature and no Richland County ordinance amendment will be required.

ADDITIONAL COMMENTS FOR CONSIDERATION:

Because of their relative rarity in the Midlands of South Carolina, response to Snow and Ice Emergency Weather events are typically a combined effort with local government public works agencies working in support of the local SCDOT Resident Maintenance Forces to clear Interstates and major local thoroughfares. Most of these road types are part of the State Road Maintenance System. Local governments augment the State’s response efforts with equipment such as Motorgraders, Dump Trucks, and service pickup trucks. Such a response may occur once every several years depending upon weather cycles.

Approval of the subject Snow and Ice Removal Agreement with the SCDOT is to the County’s benefit in that it establishes a formal means for reimbursement of the County for response efforts. The agreement will be in place, but only enacted on an as-needed basis. Because of its recurring nature, it is recommended that future renewals be delegated to the County Administrator. This agreement was reviewed and edited by the Deputy County Attorney in negotiation with a member of SCDOT’s legal counsel.

ATTACHMENTS:

1. Snow and Ice Removal Agreement template
2. Davis – Bacon Wage Rates
3. FEMA Equipment Reimbursement Rates

STATE OF SOUTH CAROLINA)
)
COUNTY OF _____) **SNOW AND ICE REMOVAL AGREEMENT**
 (Local Governments)

THIS AGREEMENT, made and entered into this _____ day of _____, _____ by and between the South Carolina Department of Transportation, Columbia, South Carolina, hereinafter referred to as "SCDOT", and _____, located at _____, hereinafter referred to as COUNTY(or CITY if applicable):

WHEREAS, pursuant to Sections 57-3-110 and 57-7-220 of the Code of Laws for South Carolina (1976), as amended, SCDOT is authorized to remove obstructions from highways and enter such contracts as may be necessary for the proper discharge of that function.

WHEREAS, SCDOT, because of emergency conditions, desires to lease or rent unlicensed, heavy-duty motor graders with qualified operators, appurtenant equipment and support personnel as necessary from the above identified COUNTY.

NOW THEREFORE, in consideration for these mutual promises and covenants, the parties hereby agree each with the other that;

1. The unlicensed heavy-duty motor grader with qualified operators are to be used only for and during emergency highway maintenance operations and the operators of such equipment are to work where directed by the SCDOT's resident maintenance engineer, or his delegate, under the supervision of the COUNTY.

2. The scope of work commences when the motor graders are placed into operation under the direction of SCDOT.

3. COUNTY will be paid by SCDOT based on the hourly equipment rental rates established by FEMA for major disasters and emergencies and referenced as "Schedule of Equipment Rates" (hereinafter FEMA Schedule), plus compensation for the operators at 1.5 times the current Davis – Bacon rates for the applicable county. The compensation classification for the motor grader operator shall be Power Equipment Operator/ Grader/Blade and the classification for the support vehicle operator shall be Truck Driver/ Dump Truck. The equipment rental rate which SCDOT pays for the Motor Grader (based on the FEMA Schedule) shall include the rental rate of the support vehicle at no additional cost to the SCDOT.

4. The scope of the work shall be divided into two (2) categories – mobile and standby. The mobile category commences when the equipment, operators and support personnel are placed into operation under the direction of SCDOT. The standby category commences when the equipment, operators and support personnel are placed into reserve status under the direction of SCDOT. The labor rate shall not change based on category.

5. The adjusted hourly rate for equipment for mobile work shall be determined by multiplying the rate shown in the Schedule by a factor of 2.0.

6. The hourly rate for equipment for standby work shall be the current hourly rate shown in the Schedule.

7. Fuels, lubricants, and necessary repairs and maintenance are to be furnished by the COUNTY.

- 8. Replacement blades are to be furnished by the SCDOT.
- 9. Appurtenant equipment and support personnel shall include one support vehicle and driver for every motor grader.
- 10. The equipment and operators may be utilized in any area of the County as needed.
- 11. SCDOT may contact area supervisors directly to request assistance and later notify the COUNTY that their personnel and equipment have been requested; provided, however, that County area supervisors and personnel have no obligation under this Agreement to commence work if not so directed by the COUNTY.
- 12. The COUNTY has been provided with priority maps for their areas and shall begin with Priority 1, and proceed through the priorities in order, unless requested to move to another area or priority.
- 13. The COUNTY's contact personnel and other related information is:

NAME	DAY NUMBER	NIGHT NUMBER	AREA OF RESPONSIBILITY	EQUIPMENT

- 14. Other equipment available under this contract to SCDOT by COUNTY is:

- 15. Term. The parties agree that the terms of This Agreement shall be effective once signed by the parties and shall remain in effect unless terminated by either party upon the terminating party giving thirty (30) days' notice to the other party of its intent to terminate the agreement.
- 16. Nothing under this Agreement will serve to create any responsibility for the County to maintain State owned roads and highways
- 17. SCDOT and COUNTY binds itself, its successors, executors, administrators, and assigns to the other party with respect to these provisions, and also agree that neither party shall assign, sublet, or transfer its interest in this Agreement without the written consent of the other.
- 18. No amendment or modification to this Agreement shall be effective or binding on either party unless such amendment or modification has been agreed to in writing by both parties.
- 19. Entire Agreement. This Agreement constitutes the entire Agreement between the parties and, except for amendment and modifications prepared in accordance with provisions thereof, there are no collateral contracts or agreements between the parties relating to this work. The parties hereto agree to conform to all State and Federal laws, codes, rules, regulations and ordinances relative to this Agreement and the same is interpreted under the laws of South Carolina.

20. Authority to Execute. By executing this Agreement, the undersigned each affirms and certifies that he or she has authority to bind his or her principal thereto and that all necessary acts have been taken to duly authorize this Agreement under applicable law.

IN WITNESS WHEREOF, the parties herein have executed this agreement as of the day and year first written above.

COUNTY:

Name:

Title:

Address:

WITNESS:

SOUTH CAROLINA DEPARTMENT OF
TRANSPORTATION

Deputy Secretary for Engineering

Recommended by:

Director of Maintenance

WITNESS:

General Decision Number: SC20200035 01/03/2020 SC35

Superseded General Decision Number: SC20190035

State: South Carolina

Construction Type: Highway

Counties: Calhoun, Fairfield, Kershaw, Lexington, Richland and Saluda Counties in South Carolina.

HIGHWAY CONSTRUCTION PROJECTS (excluding tunnels, building structures in rest area projects & railroad construction; bascule, suspension & spandrel arch bridges designed for commercial navigation, bridges involving marine construction; and other major bridges).

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/03/2020

SUSC2011-033 09/15/2011

	Rates	Fringes
CARPENTER (Form Work Only)		
Fairfield, Kershaw,		
Richland, Saluda.....	\$ 15.04	
Lexington.....	\$ 14.50	
CEMENT MASON/CONCRETE FINISHER...	\$ 13.65	
GUARDRAIL INSTALLER(Includes		
Guardrail/Post Driver Work).....	\$ 12.49	

IRONWORKER, REINFORCING.....\$ 15.02

LABORER

Asphalt Includes Asphalt
Distributor, Shoveler, and
Spreader.....\$ 11.54
Common or General
Calhoun.....\$ 10.09
Fairfield.....\$ 9.55
Kershaw.....\$ 9.88
Lexington.....\$ 9.78
Richland.....\$ 9.97
Saluda.....\$ 9.88
Luteman.....\$ 11.61
Mason Tender-
Cement/Concrete.....\$ 10.40
Pipelayer.....\$ 14.46
Traffic Control-Cone Setter
Calhoun, Fairfield,
Kershaw, Richland, Saluda..\$ 10.87
Lexington.....\$ 11.26
Traffic Control-Flagger.....\$ 11.07

POWER EQUIPMENT OPERATOR:

Backhoe/Excavator/Trackhoe
Calhoun, Fairfield,
Kershaw, Richland, Saluda..\$ 15.98
Lexington.....\$ 16.02
Bulldozer.....\$ 17.38
Crane.....\$ 18.93
Grader/Blade
Calhoun, Fairfield,
Kershaw, Richland, Saluda..\$ 18.44
Lexington.....\$ 18.54
Hydroseeder.....\$ 11.00
Loader (Front End).....\$ 17.22
Mechanic.....\$ 15.25
Milling Machine.....\$ 11.84
Paver.....\$ 13.93
Roller
Calhoun, Fairfield,
Kershaw, Richland, Saluda..\$ 14.98
Lexington.....\$ 15.10
Scraper.....\$ 12.71
Screed.....\$ 13.56
Tractor.....\$ 13.28

TRUCK DRIVER

Dump Truck
Calhoun, Fairfield,
Kershaw, Richland, Saluda..\$ 13.29
Lexington.....\$ 13.22
Lowboy Truck.....\$ 14.11

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.
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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave
for Federal Contractors applies to all contracts subject to the
Davis-Bacon Act for which the contract is awarded (and any

solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates

the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator

(See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

June 30, 2020

FISCAL PROCEDURE MEMORANDUM NO. 84

Effective July 1, 2020, the Federal Highway Administration (FHWA) Division Office has allowed SCDOT to adopt the most recent Federal Emergency Management Agency (FEMA) Schedule of Equipment Rates.

The usage of the individual pieces of equipment is captured monthly through equipment mileage reports and the maintenance management system. Monthly equipment mileage reports are entered into the accounting system to charge federal projects, maintenance projects, state projects, and maintenance and administrative offices for equipment use. Daily work reports are entered into the Highway Maintenance Management System to capture the usage of maintenance equipment, shop equipment, etc.

Effective Date: July 1, 2020

Rate: FEMA's Schedule of Equipment Rates – August 15, 2019

Kace L. Smith
Chief Financial Officer

FEMA's SCHEDULE OF EQUIPMENT RATES

**DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY
RECOVERY DIRECTORATE
PUBLIC ASSISTANCE DIVISION
WASHINGTON, DC 20472**

The rates on this Schedule of Equipment Rates are for applicant owned equipment in good mechanical condition, complete with all required attachments. Each rate covers all costs eligible under the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. § 5121, et seq., for ownership and operation of equipment, including depreciation, overhead, all maintenance, field repairs, fuel, lubricants, tires, OSHA equipment and other costs incidental to operation. Standby equipment costs are not eligible.

Equipment must be in actual operation performing eligible work in order for reimbursement to be eligible. LABOR COSTS OF OPERATOR ARE NOT INCLUDED in the rates and should be approved separately from equipment costs.

Information regarding the use of the Schedule is contained in 44 CFR § 206.228 Allowable Costs. Rates for equipment not listed will be furnished by FEMA upon request. Any appeals shall be in accordance with 44 CFR § 206.206 Appeals.

THESE RATES ARE APPLICABLE TO MAJOR DISASTERS AND EMERGENCIES
DECLARED BY THE PRESIDENT ON OR AFTER August 15, 2019.

FEMA Code ID		Equipment Description					2019 Updated Rate
Cost Code	Equipment	Specifications	Capacity or Size	HP	Notes	Unit	
8010	Air Compressor	Air Delivery	41 CFM	to 10	Hoses included.	hour	\$ 1.62
8011	Air Compressor	Air Delivery	103 CFM	to 30	Hoses included.	hour	\$ 9.86
8012	Air Compressor	Air Delivery	130 CFM	to 50	Hoses included.	hour	\$ 12.49
8013	Air Compressor	Air Delivery	175 CFM	to 90	Hoses included.	hour	\$ 20.98
8014	Air Compressor	Air Delivery	400 CFM	to 145	Hoses included.	hour	\$ 32.13
8015	Air Compressor	Air Delivery	575 CFM	to 230	Hoses included.	hour	\$ 57.05
8016	Air Compressor	Air Delivery	1100 CFM	to 355	Hoses included.	hour	\$ 95.60
8017	Air Compressor	Air Delivery	1600 CFM	to 500	Hoses included.	hour	\$ 98.55
8040	Ambulance			to 150		hour	\$ 28.09
8041	Ambulance			to 210		hour	\$ 41.18
8050	Board, Arrow			to 8	Trailer Mounted.	hour	\$ 4.53
8051	Board, Message			to 5	Trailer Mounted.	hour	\$ 11.60
8060	Auger, Portable	Hole Diameter	16 In	to 6		hour	\$ 2.34
8061	Auger, Portable	Hole Diameter	18 In	to 13		hour	\$ 4.65
8062	Auger, Tractor Mntd	Max. Auger Diameter	36 In	to 13	Includes digger, boom and mounting hardware.	hour	\$ 3.25
8063	Auger, Truck Mntd	Max. Auger Size	24 In	to 100	Includes digger, boom and mounting hardware. Add this rate to tractor rate for total auger and tractor rate.	hour	\$ 34.93
8064	Hydraulic Post Driver					hour	\$ 35.27
8065	Auger	Horizontal Directional Boring Machine	250 X 100	300	DD-140B YR-2003	hour	\$ 172.29
8066	Auger	Horizontal Directional Boring Machine	50 X 100	24	Average to 7,000 lbs	hour	\$ 33.83
8067	Auger, Directional Boring Machine	Auger, Directional Boring Machine	7,000 - 10,000 lbs	45	JT920L (2013)	hour	\$ 41.04
8068	Bush Hog	Bush Hog - Model 326	Single Spindle Rotary Cutters			hour	\$ 20.61
8068-1	Bush Hog	Bush Hog - Model 3210	Lift, Pull, Semi-Mount & Offset Model			hour	\$ 28.74
8068-2	Bush Hog	Bush Hog - Model 2815	Flex Wing Rotary Cutters			hour	\$ 43.17
8070	Automobile			to 130	Transporting people.	mile	\$ 0.545
8071	Automobile			to 130	Transporting cargo.	hour	\$ 12.43
8072	Automobile, Police			to 250	Patrolling.	mile	\$ 0.545
8073	Automobile, Police			to 250	Stationary with engine running.	hour	\$ 16.05
8075	Motorcycle, Police					mile	\$ 0.505
8076	Automobile - Chevy Trailblazer	6 or 8 cl		285 to 300		hour	\$ 23.99
8077	Automobile - Ford Expedition	Fire Command Center	EcoBoost V-6	360	2015 Model	hour	\$ 19.62
8078	MRAP Armored Rescue Vehicle	Search and Rescue	Military Suplus Vehicle	375-450	Qualified foe operational rate on	Hr.	\$ 51.80
8079	MRAP C-MTV	Multi-Theater (Military Surplus)Vehicle	gvwr 55000 Lbs	to 350	Qualified foe operational rate on	Hr.	\$ 48.35

8080	All Terrain Vehicle (ATV)	Engine 110cc, 4-Wheel; 20" tyre		6.5-7.5		hour	\$	8.23
8081	All Terrain Vehicle (ATV)	Engine 125cc, 4-Wheel; 21" tyre		7.6-8.6		hour	\$	8.67
8082	All Terrain Vehicle (ATV)	Engine 150cc, 4-Wheel; 22" tyre		9.0-10.0		hour	\$	8.68
8083	All Terrain Vehicle (ATV)	Engine 200cc, 4-Wheel; 24" tyre		12-14.0		hour	\$	9.23
8084	All Terrain Vehicle (ATV)	Engine 250cc, 4-Wheel; 24" tyre		15-17		hour	\$	9.81
8085	All Terrain Vehicle (ATV)	Engine 300cc, 4-Wheel; 24" tyre		18-20		hour	\$	10.66
8086	All Terrain Vehicle (ATV)	Engine 400cc, 4-Wheel; 25" tyre		26-28		hour	\$	12.20
8087	All Terrain Vehicle (ATV)	Engine 450cc, 4-Wheel; 25" tyre		26-28		hour	\$	13.07
8088	All Terrain Vehicle (ATV)	Engine 650cc, 4-Wheel; 25" tyre		38-40		hour	\$	13.86
8089	All Terrain Vehicle (ATV)	Engine 750cc, 4-Wheel; 25" tyre		44-46		hour	\$	14.79
8110	Barge, Deck	Size	50'x35'x7.25'	0	Push by Tug-Boat	hour	\$	52.00
8111	Barge, Deck	Size	50'x35'x9'	0	Push by Tug-Boat	hour	\$	61.96
8112	Barge, Deck	Size	120'x45'x10'	0	Push by Tug-Boat	hour	\$	109.97
8113	Barge, Deck	Size	160'x45'x11"	0	Push by Tug-Boat	hour	\$	136.90
8120	Boat, Tow	Size	55'x20'x5'	to 870	Steel.	hour	\$	352.71
8121	Boat, Tow	Size	60'x21'x5'	to 1050	Steel.	hour	\$	400.32
8122	Boat, Tow	Size	70'x30'x7.5'	to 1350	Steel.	hour	\$	624.56
8123	Boat, Tow	Size	120'x34'x8'	to 2000	Steel.	hour	\$	1,181.86
8124	Airboat	815AGIS Airboat w/spray unit	15'x8'	400		hour	\$	32.70
8125	Airboat	815AGIS Airboat w/spray unit	15'x8'	425		hour	\$	33.06
8126	Swamp Buggy	Conquest		360		hour	\$	41.35
8130	Boat, Row			0	Heavy duty.	hour	\$	1.46
8131	Boat, Runabout	Size	13'x5'	to 50	Outboard.	hour	\$	12.55
8132	Boat, Tender	Size	14'x7'	to 100	Inboard with 360 degree drive.	hour	\$	16.58
8133	Boat, Push	Size	45'x21'x6'	to 435	Flat hull.	hour	\$	235.03
8134	Boat, Push	Size	54'x21'x6'	to 525	Flat hull.	hour	\$	290.74
8135	Boat, Push	Size	58'x24'x7.5'	to 705	Flat hull.	hour	\$	355.70
8136	Boat, Push	Size	64'x25'x8'	to 870	Flat hull.	hour	\$	359.36
8140	Boat, Tug	Length	16 Ft	to 100		hour	\$	47.35
8141	Boat, Tug	Length	18 Ft	to 175		hour	\$	70.55
8142	Boat, Tug	Length	26 Ft	to 250		hour	\$	90.10
8143	Boat, Tug	Length	40 Ft	to 380		hour	\$	215.09
8144	Boat, Tug	Length	51 Ft	to 700		hour	\$	302.01
8145	Jet Ski	3-seater				hour	\$	27.70
8146	Jet Ski					hour	\$	8.60
8147	Boat, Inflatable Rescue Raft	Zodiac		0		hour	\$	1.13
8148	Boat, Runabout	1544 lbs	11 passenger capacity	190-250		hour	\$	65.51
8149	Boat, removable engine	2000 Johnson Outboard Motor w 15" shaft		15		hour	\$	1.58
8151	Broom, Pavement	Broom Length	96 In	to 100		hour	\$	30.41
8153	Broom, Pavement, Mntd	Broom Length	72 In	to 18	Add Prime Mover cost for total rate	hour	\$	6.24
8154	Broom, Pavement, Pull	Broom Length	84 In	to 20	Add Prime Mover cost for total rate	hour	\$	23.75
8155	Broom, Pavement	Broom Length	72 In	to 35		hour	\$	25.28
8157	Sweeper, Pavement			to 110		hour	\$	78.79
8158	Sweeper, Pavement			to 230		hour	\$	102.03
8180	Bus			to 150		hour	\$	21.60
8181	Bus			to 210		hour	\$	25.82
8182	Bus			to 300		hour	\$	39.65
8183	Blower	Gasoline powered Toro Pro Force		27		hour	\$	15.40
8183x	Mosquito Sprayer	2015 Adapco Guardian 95 ES	15-gal; 350 lbs			hour	\$	18.83
8184	Back-Pack Blower			to 4.4		hour	\$	1.53
8185	Walk-Behind Blower			13		hour	\$	6.83
8187	Chainsaw	Bar Length = 20 in	3.0 cu in	2.7		hour	\$	1.91
8188	Chainsaw	Bar Length = 20 in	5.0 cu in			hour	\$	2.59
8189	Chainsaw	Bar Length = 20 in	6.0 cu in	3.4		hour	\$	2.77

8190	Chain Saw	Bar Length = 16 in	2.5 cu in	2.4		hour	\$	1.80
8191	Chain Saw (STIHL)	Bar Length = 25 in	7.5 cu in	3.62		hour	\$	3.73
8192	Chain Saw, Pole	Bar Length = 18 in	4.0 cu in	3.2		hour	\$	2.10
8193	Skidder	model 748 E		to 173		hour	\$	56.25
8194	Skidder	model 648 G11		to 177		hour	\$	105.44
8195	Cutter, Brush	Cutter Size	8 ft	to 150		hour	\$	119.52
8196	Cutter, Brush	Cutter Size	8 ft	to 190		hour	\$	134.74
8197	Cutter, Brush	Cutter Size	10 ft	to 245		hour	\$	142.31
8198	Brusher Cutter	Cutter, Brush - 247 hp, 1997 Model 511 Feller		to 247		hour	\$	193.95
8199	Log Trailer	40 ft		0		hour	\$	10.15
8200	Chipper, Brush	Chipping Capacity	6 In	to 35	Trailer Mounted.	hour	\$	8.97
8201	Chipper, Brush	Chipping Capacity	9 In	to 65	Trailer Mounted.	hour	\$	17.06
8202	Chipper, Brush	Chipping Capacity	12 In	to 100	Trailer Mounted.	hour	\$	24.89
8203	Chipper, Brush	Chipping Capacity	15 In	to 125	Trailer Mounted.	hour	\$	35.75
8204	Chipper, Brush	Chipping Capacity	18 In	to 200	Trailer Mounted.	hour	\$	50.41
8208	Loader - Tractor - Knuckleboom	model Barko 595 ML		to 173		hour	\$	169.74
8209	Loader - Wheel	model 210 w/ Buck Saw 50 inch Bar		to 240		hour	\$	98.48
8210	Clamshell & Dragline, Crawler		149,999 lbs	to 235	Bucket not included in rate.	hour	\$	134.68
8211	Clamshell & Dragline, Crawler		250,000 lbs	to 520	Bucket not included in rate.	hour	\$	178.82
8212	Clamshell & Dragline, Truck			to 240	Bucket not included in rate.	hour	\$	147.05
8218	BOMAG Compactor	BW100AD-3		33		Hour	\$	24.80
8219	Compactor -2-Ton Pavement Roller	Single Drum Vibratory Compactor	to 2.9 Ton	28		hour	\$	28.72
8220	Compactor			to 10		hour	\$	15.92
8221	Compactor, towed, Vibratory Drum			to 45	Plus tow Truck	hour	\$	33.56
8222	Compactor, Vibratory, Drum			to 75		hour	\$	24.09
8223	Compactor, pneumatic, wheel			to 100		hour	\$	26.90
8225	Compactor, Sanitation			to 300		hour	\$	96.11
8226	Compactor, Sanitation			to 400		hour	\$	154.63
8227	Compactor, Sanitation			535		hour	\$	264.25
8228	Compactor, towed, Pneumatic, Wheel	Hercules PT-11,	10,000 lbs		11-Wheels (Towed)	hour	\$	18.48
8229	Compactor, Towed Steel Drum Static Compactor	GTD-54120	20,000 lbs		Grid Drum (Towed)	hour	\$	16.22
8240	Feeder, Grizzly			to 35		hour	\$	25.47
8241	Feeder, Grizzly			to 55		hour	\$	33.55
8242	Feeder, Grizzly			to 75		hour	\$	65.18
8250	Dozer, Crawler	Deere 450J LT		to 75		hour	\$	54.20
8251	Dozer, Crawler	Deere 650K LGP; ROPS/FOPS		to 105		hour	\$	65.14
8252	Dozer, Crawler			to 160		hour	\$	98.77
8253	Dozer, Crawler			to 250		hour	\$	153.35
8254	Dozer, Crawler			to 360		hour	\$	218.47
8255	Dozer, Crawler	Make/Model: CAT D10T (disc. 2014); Protection: EROPS; Type Semi-U		to 574		hour	\$	317.49
8256	Dozer, Crawler			to 850		hour	\$	358.48
8260	Dozer, Wheel			to 300		hour	\$	66.26
8261	Dozer, Wheel			to 400		hour	\$	101.22
8262	Dozer, Wheel			to 500		hour	\$	184.08
8263	Dozer, Wheel			to 625		hour	\$	239.31
8269	Box Scraper	3 hitch attach for tractor; 2007 Befco		0		hour	\$	3.65
8270	Bucket, Clamshell	Capacity	1.0 CY	0	Includes teeth. Does not include Clamshell & Dragline	hour	\$	4.64
8271	Bucket, Clamshell	Capacity	2.5 CY	0	Includes teeth. Does not include Clamshell & Dragline	hour	\$	8.81
8272	Bucket, Clamshell	Capacity	5.0 CY	0	Includes teeth. Does not include Clamshell & Dragline	hour	\$	13.19
8273	Bucket, Clamshell	Capacity	7.5 CY	0	Includes teeth. Does not include Clamshell & Dragline	hour	\$	23.31
8275	Bucket, Dragline	Capacity	2.0 CY	0	Does not include Clamshell & Dragline	hour	\$	3.98
8276	Bucket, Dragline	Capacity	5.0 CY	0	Does not include Clamshell & Dragline	hour	\$	9.93

8277	Bucket, Dragline	Capacity	10 CY	0	Does not include Clamshell & Dragline	hour	\$ 14.19
8278	Bucket, Dragline	Capacity	14 CY	0	Does not include Clamshell & Dragline	hour	\$ 18.72
8280	Excavator, Hydraulic	Bucket Capacity	0.5 CY	to 45	Crawler, Truck & Wheel. Includes bucket.	hour	\$ 18.97
8281	Excavator, Hydraulic	Bucket Capacity	1.0 CY	to 90	Crawler, Truck & Wheel. Includes bucket.	hour	\$ 36.06
8282	Excavator, Hydraulic	Bucket Capacity	1.5 CY	to 160	Crawler, Truck & Wheel. Includes bucket.	hour	\$ 55.30
8283	Excavator, Hydraulic	Bucket Capacity	2.5 CY	to 265	Crawler, Truck & Wheel. Includes bucket.	hour	\$ 158.86
8284	Excavator, Hydraulic	Bucket Capacity	4.5 CY	to 420	Crawler, Truck & Wheel. Includes bucket.	hour	\$ 264.64
8285	Excavator, Hydraulic	Bucket Capacity	7.5 CY	to 650	Crawler, Truck & Wheel. Includes bucket.	hour	\$ 304.91
8286	Excavator, Hydraulic	Bucket Capacity	12 CY	to 1000	Crawler, Truck & Wheel. Includes bucket.	hour	\$ 466.41
8287	Excavator	2007 model Gradall XL3100 III		184		hour	\$ 102.62
8288	Excavator	2003 model Gradall XL4100 III		238		hour	\$ 117.66
8289	Excavator	2006 model Gradall XL5100		230		hour	\$ 109.03
8290	Trowel, Concrete	Diameter	48 In	to 12		hour	\$ 4.94
8300	Fork Lift	Capacity	6000 Lbs	to 60		hour	\$ 14.73
8301	Fork Lift	Capacity	12000 Lbs	to 90		hour	\$ 21.12
8302	Fork Lift	Capacity	18000 Lbs	to 140		hour	\$ 28.79
8303	Fork Lift	Capacity	50000 Lbs	to 215		hour	\$ 63.25
8306	Fork Lift Material handler	Diesel, CAT TH360B	6600-11500 gvwr lbs	94.9	3.1- 3.5 Mton	hour	\$ 44.62
8307	Fork Lift Material handler	Diesel, CAT TH460B	9000 Lbs	94.9	4.5 - 4.9 Mton	hour	\$ 51.93
8308	Fork Lift Material handler	Diesel, CAT TH560B	10000 Lbs	117.5	4.5 - 4.9 Mton	hour	\$ 56.14
8309	Fork Lift Accessory	2003 ACS Paddle Fork		0		hour	\$ 3.53
8310	Generator	Prime Output	5.5 KW	to 10		hour	\$ 5.36
8311	Generator	Prime Output	16 KW	to 25		hour	\$ 7.81
8312	Generator	Prime Output	60KW	to 88		hour	\$ 25.56
8313	Generator	Prime Output	100 KW	to 125		hour	\$ 43.60
8314	Generator	Prime Output	150 KW	to 240		hour	\$ 62.83
8315	Generator	Prime Output	210 KW	to 300		hour	\$ 85.70
8316	Generator	Prime Output	280 KW	to 400		hour	\$ 103.34
8317	Generator	Prime Output	350 KW	to 500		hour	\$ 114.23
8318	Generator	Prime Output	530 KW	to 750		hour	\$ 202.00
8319	Generator	Prime Output	710 KW	to 1000		hour	\$ 225.34
8327	Generator	Prime Output	800 KW	1065		hour	\$ 232.46
8328	Generator	Prime Output	900 KW	1355		hour	\$ 295.15
8329	Generator	Prime Output	1000 KW	1000	Open	hour	\$ 356.94
8320	Generator	Prime Output	1100 KW	1645	Open	hour	\$ 393.43
8321	Generator	Prime Output	2500 KW	to 3000		hour	\$ 553.78
8322	Generator	Prime Output	1,000 KW	to 1645	Enclosed	hour	\$ 450.78
8323	Generator	Prime Output	1,500 KW	to 2500	Enclosed	hour	\$ 583.01
8324	Generator	Prime Output	1100KW	2500	Enclosed	hour	\$ 567.48
8325	Generator	Prime Output	40KW	63	Open	hour	\$ 23.16
8326	Generator	Prime Output	20KW	35	Open/Closeed	hour	\$ 18.05
8327	Generator Large	Prime Output	80 KW	120		Hr.	\$ 31.65
8328	Generator Heavy Duty	Prime Output	2000KW		Open	Hr.	\$ 490.00
8330	Graders	Moldboard Size	10 Ft	to 110	Includes Rigid and Articulate equipment.	hour	\$ 43.98
8331	Graders	Moldboard Size	12 Ft	to 150	Includes Rigid and Articulate equipment.	hour	\$ 63.63
8332	Graders	Moldboard Size	14 Ft	to 225	Includes Rigid and Articulate equipment.	hour	\$ 80.43
8350	Hose, Discharge	Diameter	3 In	0	Per 25 foot length. Includes couplings.	hour	\$ 0.16
8351	Hose, Discharge	Diameter	4 In	0	Per 25 foot length. Includes couplings.	hour	\$ 0.24
8352	Hose, Discharge	Diameter	6 In	0	Per 25 foot length. Includes couplings.	hour	\$ 0.62
8353	Hose, Discharge	Diameter	8 In	0	Per 25 foot length. Includes couplings.	hour	\$ 0.62

8354	Hose, Discharge	Diameter	12 In	0	Per 25 foot length. Includes couplings.	hour	\$ 0.92
8355	Hose, Discharge	Diameter	16 In	0	Per 25 foot length. Includes couplings.	hour	\$ 1.71
8356	Hose, Suction	Diameter	3 In	0	Per 25 foot length. Includes couplings.	hour	\$ 0.31
8357	Hose, Suction	Diameter	4 In	0	Per 25 foot length. Includes couplings.	hour	\$ 0.37
8358	Hose, Suction	Diameter	6 In	0	Per 25 foot length. Includes couplings.	hour	\$ 1.17
8359	Hose, Suction	Diameter	8 In	0	Per 25 foot length. Includes couplings.	hour	\$ 1.11
8360	Hose, Suction	Diameter	12 In	0	Per 25 foot length. Includes couplings.	hour	\$ 1.73
8361	Hose, Suction	Diameter	16 In	0	Per 25 foot length. Includes couplings.	hour	\$ 3.29
8380	Loader, Crawler	Bucket Capacity	0.5 CY	to 32	Includes bucket.	hour	\$ 19.59
8381	Loader, Crawler	Bucket Capacity	1 CY	to 60	Includes bucket.	hour	\$ 36.87
8382	Loader, Crawler	Bucket Capacity	2 CY	to 118	Includes bucket.	hour	\$ 69.24
8383	Loader, Crawler	Bucket Capacity	3 CY	to 178	Includes bucket.	hour	\$ 103.22
8384	Loader, Crawler	Bucket Capacity	4 CY	to 238	Includes bucket.	hour	\$ 123.73
8390	Loader, Wheel	Bucket Capacity	0.5 CY	to 38		hour	\$ 20.80
8391	Loader, Wheel	Bucket Capacity	1 CY	to 60		hour	\$ 41.33
8392	Loader, Wheel	Bucket Capacity	2 CY	to 105	CAT-926	hour	\$ 38.10
8393	Loader, Wheel	Bucket Capacity	3 CY	to 152		hour	\$ 46.17
8394	Loader, Wheel	Bucket Capacity	4 CY	232		hour	\$ 76.27
8395	Loader, Wheel	Bucket Capacity	5 CY	255		hour	\$ 79.50
8396	Loader, Wheel	Bucket Capacity	6 CY	to 305		hour	\$ 116.12
8397	Loader, Wheel	Bucket Capacity	7 CY	to 360		hour	\$ 129.40
8398	Loader, Wheel	Bucket Capacity	8 CY	to 530		hour	\$ 188.87
8401	Loader, Tractor, Wheel	Bucket Capacity	0.87 CY	to 80	Case 580 Super L	hour	\$ 37.13
8410	Mixer, Concrete Portable	Batching Capacity	10 Cft	8	Diesel Powered	hour	\$ 3.13
8411	Mixer, Concrete Portable	Batching Capacity	12 Cft	11	Gasoline Powered	hour	\$ 4.31
8412	Mixer, Concrete, Trailer Mntd	Batching Capacity	11 Cft	to 10		hour	\$ 15.32
8413	Mixer, Concrete, Trailer Mntd	Batching Capacity	16 Cft	to 25		hour	\$ 20.47
8414	Truck, Concrete Mixer	Mixer Capacity	13 CY	to 300		hour	\$ 84.71
8419	Hand-Held, Pavement Breakers	Weight	25~90 Lbs	0	Air Tool/Electric Power	hour	\$ 1.12
8420	Self-Propelled Pavement Breaker,			to 70-80	Self-Propelled (Diesel)	hour	\$ 59.54
8421	Vibrator, Concrete	Hand Held		to 4		hour	\$ 1.63
8423	Spreader, Chip	Spread Hopper Width	12.5 Ft	to 152		hour	\$ 90.67
8424	Spreader, Chip	Spread Hopper Width	16.5 Ft	to 215		hour	\$ 125.19
8425	Spreader, Chip, Mntd	Hopper Size	8 Ft	to 8	Trailer & truck mounted.	hour	\$ 4.77
8430	Paver, Asphalt, Towed			0	Does not include Prime Mover.	hour	\$ 12.67
8431	Paver, Asphalt	Crawler		to 50	Includes wheel and crawler equipment.	hour	\$ 76.41
8432	Paver, Asphalt	Crawler		to 125	Includes wheel and crawler equipment.	hour	\$ 96.52
8433	Paver, Asphalt	Crawler		to 175	Includes wheel and crawler equipment.	hour	\$ 144.69
8434	Paver, Asphalt		35,000Lbs & Over	to 250	Includes wheel and crawler equipment.	hour	\$ 224.01
8436	Pick-up, Asphalt			to 110		hour	\$ 98.06
8437	Pick-up, Asphalt	Cederapids	CR MS-2	113 to 140	Asphalt-Pick-up Machine	hour	\$ 140.59
8438	Pick-up, Asphalt	Blaw-Knox	MC-330	184 to 200	Asphalt-Pick-up Machine	hour	\$ 189.75
8439	Pick-up, Asphalt		MTV 1000C	to 275	Asphalt-Pick-up Machine	hour	\$ 214.03
8440	Striper	Paint Capacity	40 Gal	to 22		hour	\$ 16.92
8441	Striper	Paint Capacity	90 Gal	to 60		hour	\$ 24.24
8442	Striper	Paint Capacity	120 Gal	to 122		hour	\$ 45.28
8445	Striper, Truck Mntd	Paint Capacity	120 Gal	to 460		hour	\$ 83.35
8446	Striper, Walk-behind	Paint Capacity	12 Gal	5		hour	\$ 4.23
8447	Paver accessory -Belt Extension	2002 Leeboy Conveyor Belt Extension	24' X 50'	0	crawler	hour	\$ 33.48
8450	Plow, Snow, Grader Mntd	Width	to 10 Ft	0	Include Grader for total cost	hour	\$ 28.28
8451	Plow, Snow, Grader Mntd	Width	to 14 Ft	0	Include Grader for total cost	hour	\$ 33.21

8452	Plow, Truck Mntd	Width	to 15 Ft	0	Include truck for total cost	hour	\$ 25.23
8453	Plow, Truck Mntd	Width	to 15 Ft	0	With leveling wing. Include truck for total cost	hour	\$ 41.04
8455	Spreader, Sand	Mounting	Tailgate, Chassis	0	Truck not included	hour	\$ 8.24
8456	Spreader, Sand	Mounting	Dump Body	0	Truck not included	hour	\$ 10.55
8457	Spreader, Sand	Mounting	Truck (10yd)	0	Truck not included	hour	\$ 13.41
8458	Spreader, Chemical	Capacity	5 CY	to 4	Trailer & truck mounted.	hour	\$ 6.30
8469	Pump - Trash Pump	10 MTC	2" Pump	to 7	10,000 gph	hour	\$ 7.87
8470	Pump	Centrifugal, 8M pump	2" - 10,000 gal/hr.	to 4.5	Hoses not included.	hour	\$ 6.31
8471	Pump	Diaphragm pump	2" - 3,000 gal/hr.	to 6	Hoses not included.	hour	\$ 6.98
8472	Pump	Centrifugal, 18M pump	3" - 18,000 gal/hr. pump	to 10	Hoses not included.	hour	\$ 8.05
8473	Pump			to 15	Hoses not included.	hour	\$ 12.08
8474	Pump			to 25	Hoses not included.	hour	\$ 13.77
8475	Pump			to 40	Hoses not included.	hour	\$ 16.98
8476	Pump	4" - 40,000 gal/hr.	4" - 40,000 gal/hr.	to 60	Hoses not included.	hour	\$ 27.45
8477	Pump			to 95	Hoses not included.	hour	\$ 32.77
8478	Pump			to 140	Hoses not included.	hour	\$ 41.84
8479	Pump			to 200	Hoses not included.	hour	\$ 50.79
8480	Pump			to 275	Does not include Hoses.	hour	\$ 68.33
8481	Pump			to 350	Does not include Hoses.	hour	\$ 81.66
8482	Pump			to 425	Does not include Hoses.	hour	\$ 99.01
8483	Pump			to 500	Does not include Hoses.	hour	\$ 117.21
8484	Pump			to 575	Does not include Hoses.	hour	\$ 136.53
8485	Pump			to 650	Does not include Hoses.	hour	\$ 154.88
8486	Aerial Lift, Truck Mntd	Max. Platform Height	40 Ft		Add this rate to truck rate for total lift and truck rate	hour	\$ 11.63
8487	Aerial Lift, Truck Mntd	Max. Platform Height	61 Ft		Add this rate to truck rate for total lift and truck rate	hour	\$ 21.99
8488	Aerial Lift, Truck Mntd	Max. Platform Height	80 Ft		Add this rate to truck rate for total lift and truck rate	hour	\$ 39.80
8489	Aerial Lift, Truck Mntd	Max. Platform Load - 600Lbs	81 Ft -100 Ft. Ht.		Articulated and Telescoping. Add this rate to truck rate for total lift and truck rate	hour	\$ 42.16
8490	Aerial Lift, Self-Propelled	Max. Platform Height	37 Ft. Ht.	to 15	Articulated, Telescoping, Scissor.	hour	\$ 9.02
8491	Aerial Lift, Self-Propelled	Max. Platform Height	60 Ft. Ht.	to 30	Articulated, Telescoping, Scissor.	hour	\$ 17.39
8492	Aerial Lift, Self-Propelled	Max. Platform Height	70 Ft. Ht.	to 50	Articulated, Telescoping, Scissor.	hour	\$ 31.57
8493	Aerial Lift, Self-Propelled	Max. Platform Height	125 Ft. Ht.	to 85	Articulated and Telescoping.	hour	\$ 56.70
8494	Aerial Lift, Self-Propelled	Max. Platform Height	150 Ft. Ht.	to 130	Articulated and Telescoping.	hour	\$ 73.90
8495	I.C. Aerial Lift, Self-Propelled	Max. Platform Load - 500 Lbs	75"x155", 40Ft Ht.	to 80	2000 Lbs Capacity	hour	\$ 29.71
8496	Crane, Truck Mntd	Max. Lift Capacity	24000 Lbs	0	Include truck rate for total cost	hour	\$ 16.54
8497	Crane, Truck Mntd	Max. Lift Capacity	36000 Lbs	0	Include truck rate for total cost	hour	\$ 23.17
8498	Crane, Truck Mntd	Max. Lift Capacity	60000 Lbs	0	Include truck rate for total cost	hour	\$ 37.46
8499	Pump - Trash-Pump	CPB Rating - 10MTC	10000 gal/Hr	7	Self- Priming Trash Pump	hour	\$ 7.76
8500	Crane	Max. Lift Capacity	8 MT	to 80		hour	\$ 40.75
8501	Crane	Max. Lift Capacity	15 MT	to 150		hour	\$ 67.83
8502	Crane	Max. Lift Capacity	50 MT	to 200		hour	\$ 93.95
8503	Crane	Max. Lift Capacity	70 MT	to 300		hour	\$ 180.23
8504	Crane	Max. Lift Capacity	110 MT	to 350		hour	\$ 258.23
8510	Saw, Concrete	Blade Diameter	14 In	to 14		hour	\$ 7.62
8511	Saw, Concrete	Blade Diameter	26 In	to 35		hour	\$ 12.47
8512	Saw, Concrete	Blade Diameter	48 In	to 65		hour	\$ 26.81
8513	Saw, Rock	Blade Diameter		to 100		hour	\$ 35.13
8514	Saw, Rock	Blade Diameter		to 200		hour	\$ 68.85
8517	Jackhammer (Dry)	Weight Class	25-45 Lbs	0	Pneumatic Powered	hour	\$ 1.77
8518	Jackhammer (Wet)	Weight Class	30-55 Lbs	0	Pneumatic Powered	hour	\$ 2.02
8521	Scraper	Scraper Capacity	15 CY	to 262		hour	\$ 133.80
8522	Scraper	Scraper Capacity	22 CY	to 365		hour	\$ 174.30
8523	Scraper	Scraper Capacity	34 CY	to 500		hour	\$ 322.77

8524	Scraper	Scraper Capacity	44 CY	to 604		hour	\$	354.84
8540	Loader, Skid-Steer	Operating Capacity	976 - 1250 Lbs	to 36		hour	\$	26.83
8541	Loader, Skid-Steer	Operating Capacity	1751 - 2200 Lbs	to 66		hour	\$	35.47
8542	Loader, Skid-Steer	Operating Capacity	2901 to 3300 Lbs	to 81		hour	\$	38.72
8550	Snow Blower, Truck Mntd	Capacity	600 Tph	to 75	Does not include truck	hour	\$	35.39
8551	Snow Blower, Truck Mntd	Capacity	1400 Tph	to 200	Does not include truck	hour	\$	94.72
8552	Snow Blower, Truck Mntd	Capacity	2000 Tph	to 340	Does not include truck	hour	\$	143.88
8553	Snow Blower, Truck Mntd	Capacity	2500 Tph	to 400	Does not include truck	hour	\$	156.93
8558	Snow Thrower, Walk Behind	Cutting Width	25 in	to 5		hour	\$	2.97
8559	Snow Thrower, Walk Behind	Cutting Width	60 in	to 15		hour	\$	14.47
8560	Snow Blower	Capacity	2,000 Tph	to 400		hour	\$	234.49
8561	Snow Blower	Capacity	2,500 Tph	to 500		hour	\$	256.20
8562	Snow Blower	Capacity	3,500 Tph	to 600		hour	\$	285.56
8563	The Vammas 4500	Snow Remover	26ft Plow, 20ft Broom + Airblast	428	Equip with Plow & Broom	hour	\$	260.00
8564	The Vammas 5500	RM300	96"W x 20"D	350	Soil Stabilization, Reclaimer	hour	\$	212.00
8565	Oshkosh Pavement Sweeper	H-Series		420	Equip with Broom	hour	\$	229.00
8569	Dust Control De-Ice Unit	1300-2000 gal	173"Lx98"Wx51"H	5.5	Hydro Pump w/100' 1/2" hose	hour	\$	3.54
8570	Loader-Backhoe, Wheel	Loader Bucket Capacity	0.5 CY	to 40	Loader and Backhoe Buckets included.	hour	\$	23.95
8571	Loader-Backhoe, Wheel	Loader Bucket Capacity	1 CY	to 70	Loader and Backhoe Buckets included.	hour	\$	33.36
8572	Loader-Backhoe, Wheel	Loader Bucket Capacity	1.5 CY	to 95	Loader and Backhoe Buckets included.	hour	\$	43.46
8573	Loader-Backhoe, Wheel	Loader Bucket Capacity	1.75 CY	to 115	Loader and Backhoe Buckets included.	hour	\$	49.55
8580	Distributor, Asphalt	Tank Capacity Mounted on Trailer	550 Gal	16	burners, insulated tank, and circulating spray bar.	hour	\$	14.97
8581	Distributor, Asphalt	Tank Capacity Mounted on Trailer	1000 Gal	38	Truck Mounted. Includes burners, insulated tank, and circulating spray bar. Include truck rate.	hour	\$	22.45
8582	Distributor, Asphalt	Tank Capacity Mounted on Truck	4000 Gal		Truck Mounted. Includes burners, insulated tank, and circulating spray bar. Include truck rate.	hour	\$	32.52
8583	Distributor	ETNYRE Oil Distributor Model - PB348		300		hour	\$	43.57
8584	Distributor	ETNYRE Quad Chip Spreader		280		hour	\$	90.67
8590	Trailer, Dump	Capacity	20 CY	0	Does not include Prime Mover.	hour	\$	13.13
8591	Trailer, Dump	Capacity	30 CY	0	Does not include Prime Mover.	hour	\$	13.37
8600	Trailer, Equipment	Capacity	30 Tons	0		hour	\$	16.71
8601	Trailer, Equipment	Capacity	40 Tons	0		hour	\$	18.49
8602	Trailer, Equipment	Capacity	60 Tons	0		hour	\$	19.30
8603	Trailer, Equipment	Capacity	120 Tons	0		hour	\$	30.52
8610	Trailer, Water	Tank Capacity	4000 Gal	0	Includes a centrifugal pump with sump and a rear spraybar.	hour	\$	15.85
8611	Trailer, Water	Tank Capacity	6000 Gal	0	Includes a centrifugal pump with sump and a rear spraybar.	hour	\$	19.49
8612	Trailer, Water	Tank Capacity	10000 Gal	0	Includes a centrifugal pump with sump and a rear spraybar.	hour	\$	22.76
8613	Trailer, Water	Tank Capacity	14000 Gal	0	Includes a centrifugal pump with sump and a rear spraybar.	hour	\$	28.39
8614	Truck- Water Tanker	1000 gal. tank		175		hour	\$	35.84
8620	Tub Grinder			to 440		hour	\$	98.30
8621	Tub Grinder			to 630		hour	\$	148.62
8622	Tub Grinder			to 760		hour	\$	189.56
8623	Tub Grinder			to 1000		hour	\$	332.79
8627	Horizontal Grinder	Model HG6000		630		hour	\$	59.12
8628	Stump Grinder	1988 Vermeer SC-112		102		hour	\$	48.59
8629	Stump Grinder	24" grinding wheel		110		hour	\$	46.31
8630	Sprayer, Seed	Working Capacity	750 Gal	to 30	Trailer & truck mounted. Does not include Prime Mover.	hour	\$	14.78
8631	Sprayer, Seed	Working Capacity	1250 Gal	to 50	Trailer & truck mounted. Does not include Prime Mover.	hour	\$	19.74
8632	Sprayer, Seed	Working Capacity	3500 Gal	to 115	Trailer & truck mounted. Does not include Prime Mover.	hour	\$	32.52
8633	Mulcher, Trailer Mntd	Working Capacity	7 TPH	to 35		hour	\$	15.59

8634	Mulcher, Trailer Mntd	Working Capacity	10 TPH	to 55		hour	\$	23.12
8635	Mulcher, Trailer Mntd	Working Capacity	20 TPH	to 120		hour	\$	33.58
8636	Scraper	Soil Recycler WR 2400	w 317 gal fuel tank	563		hour	\$	265.76
8637	Trailer CAT	Double Belly Bottom-dump Trailer	26 CY of soil in one dump	330	13 CY of soil each berry	hour	\$	95.10
8638	Rake	Barber Beach Sand Rake 600HDr, towed		0	Towed by Beach vehicle	hour	\$	15.78
8639	Chipper	Wildcat 626 Cougar Trommel Screen chipper w belt		125		hour	\$	35.38
8640	Trailer, Office	Trailer Size	8' x 24'	0	Cargo Size 16ft	hour	\$	2.31
8641	Trailer, Office	Trailer Size	8' x 32'	0	Cargo Size 24ft	hour	\$	2.76
8642	Trailer, Office	Trailer Size	10' x 32'	0	Cargo Size 20ft	hour	\$	3.69
8643	Trailer	Haz-Mat Equipment trailer	8'x18'	0	Move by Tractor to Location	hour	\$	38.88
8644	Trailer, Covered Utility Trailer	(7' X 16')		0	Move by Tractor to Location	hour	\$	5.88
8645	Trailer, Dodge Ram	8' x 24' shower trailer- 12 showers		101		hour	\$	30.33
8646	Trailer, Dodge	8' x 32' flatbed water	25,000 MGWV	200	4x2-Axle	hour	\$	28.60
8650	Trencher			to 40	Walk-behind, Crawler & Wheel Mounted. Chain and Wheel.	hour	\$	16.91
8651	Trencher			to 85	Walk-behind, Crawler & Wheel Mounted. Chain and Wheel.	hour	\$	29.53
8654	Trencher accessories	2008 Griswold Trenchbox		0		hour	\$	1.96
8660	Plow, Cable	Plow Depth	24 in	to 30		hour	\$	13.77
8661	Plow, Cable	Plow Depth	36 in	to 65		hour	\$	40.07
8662	Plow, Cable	Plow Depth	48 in	to 110		hour	\$	44.60
8670	Derrick, Hydraulic Digger	Max. Boom = 60 Ft, 12,000 Ft-Lb Hydraulic	Lift Capacity 15,500 Lbs	275	Includes hydraulic pole alignment attachment. Include truck rate	hour	\$	35.07
8671	Derrick, Hydraulic Digger	Max. Boom = 90 Ft, 14000 Ft-Lb Hydraulic	Lift Capacity 26,700 Lbs	310	Includes hydraulic pole alignment attachment. Include truck rate	hour	\$	56.12
8672	Movax SP-60	28-32 ton Head	134KW	178	Sonic Sidegrip Vibratory Pile Driver	Hour	\$	109.20
8680	Truck, Fire -Industrial -112Ft Ladder Aerial Platform	Pump/Tank Capacity	3000gpm/1000 gal Water or Foam	600	2-1000gpm Nozzles 1-Each side of Platform	Hour	\$	198.30
8681	Truck, Fire, Engine Type-1	Pump/Tank Capacity	1000GPM/300gal		Engine, with Pump & Roll	hour	\$	140.00
8682	Truck, Fire, Engine Type-2	Pump/Tank Capacity	500GPM/300gal		Engine, with Pump & Roll	hour	\$	132.00
8683	Truck, Fire, Ladder(48ft)(Type-III)	Pump/Tank Capacity	150gpm/500gal,	115-149	Hose 1-1/2"D 500' Long	hour	\$	119.30
8684	Truck, Fire, Aerial (Cummins IXL9)100Ft Ladder	Pump/Tank Capacity	2000gpm/500gal	450	1500gpm Monitor/nozzle	hour	\$	178.00
8685	Truck, Fire, Ladder(48ft)(Type-I)	Pump/Tank Capacity	1000gpm/400gal, 500gpm Master Stream	200-250	Hose 2-1/2"D 1200' Long	hour	\$	154.00
8686	Truck, Fire, Ladder(48ft)(Type-II)	Pump/Tank Capacity	500gpm/300gal,	100-199	Hose 2-1/2"D 1000' Long	hour	\$	131.50
8687	Truck, Fire, Support Water Tender S1	Pump/Tank Capacity	300GPM/4000+gal	115-149	S1 Water Tender	hour	\$	114.50
8688	Truck, Fire, Support Water Tender S2	Pump/Tank Capacity	200GPM/2500+gal		S2 Water Tender	hour	\$	103.50
8689	Truck, Fire, Support Water Tender S3	Pump/Tank Capacity	200GPM/1000+gal		S3 Water Tender	hour	\$	79.00
8690	Truck, Fire - Water Tender	Pump Capacity	1000 GPM @150 psi			hour	\$	70.33
8691	Truck, Fire, Tanker	Pump/Tank Capacity	1250 GPM/2500 gal	500		hour	\$	74.57
8692	Truck, Fire, Pumper	Pump/Tank Capacity	1500 GPM/1000 gal	500		hour	\$	81.10
8693	Truck, Fire, Pumper	Pump Capacity	2000 GPM			hour	\$	84.04
8694	Truck, Fire Aerial Ladder (75Ft)	Pump/Tank Capacity	1500GPM/600 gal	475		hour	\$	121.00
8695	Truck, Fire Aerial Ladder (150Ft)	Ladder length	150 FT		No Platform,	hour	\$	146.43
8696	Truck, Fire (Rescure)	No Ladder		330	Rescure Equipment	hour	\$	96.36
8697	Truck, Fire, Tactical Water Tender T1	Pump/Tank Capacity	250GPM/2000+gal	175		hour	\$	119.50
8698	Truck, Fire, Tactical Water Tender T2	Pump/Tank Capacity	250GPM/1000+gal			hour	\$	102.67
8699	Truck, Fire, Engine Type-3	Pump/Tank Capacity	150GPM/500gal		Engine, with Pump & Roll	hour	\$	126.50
8700	Truck, Flatbed	Maximum Gvw	15000 Lbs	to 200	Diesel Engine	hour	\$	25.46
8701	Truck, Flatbed	Maximum Gvw	25000 Lbs	to 275	Gasoline Engine	hour	\$	40.36
8701-1	Truck, Flatbed	Maximum Gvw	25000 Lbs	200	Diesel Engine	hour	\$	28.55
8702	Truck, Flatbed	Maximum Gvw	30000 Lbs	217	Diesel Engine	hour	\$	32.90
8703	Truck, Flatbed	Maximum Gvw	45000 Lbs	to 380	Diesel Engine	hour	\$	52.73
8708	Trailer, semi	48ft to 53ft, flat-bed, freight, two axle	50,000+ gvwr	0		hour	\$	8.67
8709	Trailer, semi	enclosed 48 ft to 53 ft, two axles	50,000+ gvwr	0	Enclosed	hour	\$	9.82
8710	Trailer, semi	28ft, single axle, freight	25,000 gvwr	0		hour	\$	10.01

8711	Flat bed utility trailer	6 ton		0		hour	\$	3.21
8712	Cleaner, Sewer/Catch Basin	Hopper Capacity	5 CY	50	Truck Mounted. (350 gal)	hour	\$	25.51
8713	Cleaner, Sewer/Catch Basin	Hopper Capacity	14 CY	60	Truck Mounted. (1500 Gal)	hour	\$	32.02
8714	Vactor-Combined Sewer Cleaning	800 Gal Spoils/400 Gal Water	500/800 gal	190	with water & waste Tanks	hour	\$	85.10
8714-1	Vector Combine Vaccum Truck	1500 gal Water	15 Cu Yd	330	with water & waste Tanks	hour	\$	86.94
8715	Truck, Hydro Vac	model LP555DT	36 - Hp pump	36	Towed by tractor	hour	\$	18.50
8716	Leaf Vac	Tow by Truck 22,000 cfm capacity		85	Leaf Vac + Truck Code 8811	hour	\$	52.93
8717	Truck, Vacuum	60,000 GVW		400		hour	\$	76.72
8719	Litter Picker	model 2007 Barber		0	Towed by tractor	hour	\$	9.60
8720	Truck, Dump	Struck Capacity	8 CY	to 220		hour	\$	57.70
8721	Truck, Dump	Struck Capacity	10 CY	to 320		hour	\$	72.05
8722	Truck, Dump	Struck Capacity	12 CY	to 400		hour	\$	79.62
8723	Truck, Dump	Struck Capacity	14 CY	to 400		hour	\$	77.50
8724	Truck, Dump, Off Highway	Struck Capacity	28 CY	to 450		hour	\$	136.57
8725	Truck, Dump	Struck Capacity	18 CY	to 400		hour	\$	91.65
8730	Truck, Garbage	Capacity	25 CY	to 255		hour	\$	49.79
8731	Truck, Garbage	Capacity	32 CY	to 325		hour	\$	57.06
8733	E-BAM Services	Environmental Beta Attenuation Air Monitor		0	Powered by Solar System	hour	\$	3.07
8734	Attenuator, safety	that can stop a vehicle at 60 mph		0		hour	\$	5.64
8735	Truck, Attenuator	2004 Truck Mounted for 60 mph		0		hour	\$	3.89
8736	Truck, tow	1987 Chevy Kodiak 70		175		hour	\$	28.73
8744	Van, Custom	Special Service Canteen Truck		350		hour	\$	18.35
8745	Van, step	model MT10FD		300		hour	\$	22.05
8746	Van-up to 15 passenger	light duty, class 1		225-300		hour	\$	20.48
8747	Van-up to 15 passenger	light duty, class 2		225-300		hour	\$	20.77
8748	Van-cargo	light duty, class 1		225 - 300		hour	\$	22.44
8749	Van-cargo	light duty, class 2		225-300		hour	\$	22.68
8750	Vehicle, Small			to 30		hour	\$	6.41
8753	Vehicle, Recreational			to 10		hour	\$	2.87
8754	Motor Coach	GVW=50534	56 Passenger + 1-Driver	430	Passenger Transportation	Hour	\$	63.94
8755	Golf Cart	Capacity	2 person	0	Battery operated	hour	\$	3.80
8770	Welder, Portable			to 16	Includes ground cable and lead cable.	hour	\$	4.11
8771	Welder, Portable			to 34	Includes ground cable and lead cable.	hour	\$	7.21
8772	Welder, Portable			to 50	Includes ground cable and lead cable.	hour	\$	13.66
8773	Welder, Portable			to 80	Includes ground cable and lead cable.	hour	\$	13.75
8780	Truck, Water	Tank Capacity	2500 Gal	to 175	Include pump and rear spray system.	hour	\$	31.05
8781	Truck, Water	Tank Capacity	4000 Gal	to 250	Include pump and rear spray system.	hour	\$	56.57
8788	Container & roll off truck	Roll off Truck	30 yds,	200	Roll-off-Truck only	hour	\$	23.73
8789	Truck, Tractor	1997 Freightliner F120		430		hour	\$	56.81
8790	Truck, Tractor	4 x 2	25000 lbs	to 210		hour	\$	43.43
8791	Truck, Tractor	4 x 2	35000 lbs	to 330		hour	\$	47.57
8792	Truck, Tractor	6 x 2	45000 lbs	to 360		hour	\$	52.98
8794	Truck, freight	Enclosed w/lift gate. Medium duty class 5	gvwr 16000-19500 Lbs	200	4 X 2 Axle (D)	hour	\$	27.25
8795	Truck, backhoe carrier	Three axle, class 8, heavy duty	over 33000Lbs	280		hour	\$	34.56
8796	Truck, freight	Eenclosed w/lift gate. Heavy duty, class 7	26,001 to 33,000 lbs gvwr	217	4 X 2 Axle (D)	hour	\$	31.43
8798	Truck	Tilt and roll-back, two axle, class 7 heavy duty,	to 33,000 gvwr	217	4 X 2 Axle (D)	hour	\$	32.13
8799	Truck,	Tilt and roll back, three axle. class 8 heavy duty	over 33,001+ gvwr	280	6 X 4 Axle (D)	hour	\$	42.33
8800	Truck, Pickup				When transporting people.	mile	\$	0.545
8801	Truck, Pickup	1/2-ton Pickup Truck	4x2-Axle	160		hour	\$	12.78
8802	Truck, Pickup	1-ton Pickup Truck	4x2-Axle	234		hour	\$	17.91
8803	Truck, Pickup	1 1/4-ton Pickup Truck	4x2-Axle	260		hour	\$	21.10
8804	Truck, Pickup	1 1/2-ton Pickup Truck	4x2-Axle	300		hour	\$	23.22

8805	Truck, Pickup	1 3/4-ton Pickup Truck	4x2-Axle	300		hour	\$ 24.85
8806	Truck, Pickup	3/4-ton Pickup Truck	4x2-Axle	165		hour	\$ 14.32
8807	Truck, Pickup	3/4-ton Pickup Truck	4x4-Axle	285	Crew	hour	\$ 22.64
8808	Truck, Pickup	1-ton Pickup Truck	4x4-Axle	340	Crew	hour	\$ 22.99
8809	Truck, Pickup	1 1/4-ton Pickup Truck	4x4-Axle	360	Crew	hour	\$ 26.55
8810	Truck, Pickup	1 1/2-ton Pickup Truck	4x4-Axle	362	Crew	hour	\$ 26.82
8811	Truck, Pickup	1 3/4-ton Pickup Truck	4x4-Axle	362	Crew	hour	\$ 27.55
8820	Skidder accessory	2005 JCB Grapple Claw		0		hour	\$ 1.75
8821	Forklift, accessory	2005 ACS Grapple Bucket		0		hour	\$ 1.56
8822	Truck, Loader	Debris/Log (Knuckleboom Loader/Truck)		230		hour	\$ 53.22
8823	Chipper- Wood Recycler	Cat 16 engine		700		hour	\$ 118.50
8824	Skidder	model Cat 525B		up to 160		hour	\$ 64.79
8825	Skidder	40K lbs- model Cat 525C		161 and up		hour	\$ 128.67
8840	Truck, service	fuel and lube	up to 26,000 gvwr	215-225		hour	\$ 40.19
8841	Truck, fuel	2009 International 1,800 gal. storage tank		200		hour	\$ 32.01
8842	Mobile Command Trailer	(8' X 28') with 7.5 KW Generator		0	Move to Location by Tractor	hour	\$ 14.73
8843	Mobile Response Trailer	(8' X 31') with 4.5 KW Generator?		0	Move to Location by Tractor	hour	\$ 13.87
8844	Mobile Command Center	(unified) (RV) Ulitimaster MP-35	43 FT Long with Generator	400		hour	\$ 86.10
8845	Mobile Command Post Vehicle	(RV) (In- Motion)	22-Ft Long	340		hour	\$ 31.55
8846	Mobile Command Post Vehicle	(RV) (Stationary) w/9.6 KW Generator	22-Ft Long	340		hour	\$ 20.33
8847	Mobile Command Center (Trailer)	48'x8' Trailer, Fully Equiped Mobile Command Center	48-Ft Long	0	Move to Location by Tractor	hour	\$ 31.69
8848	Mobile Command Center (Trailer)	48'x8' When being Moved w/Truck Tractor		310		hour	\$ 50.69
8849	Mobile Command Center	43'x8.5' x 13.5'H with self 30kw Generator		280	Generator Rate not included	hour	\$ 55.37
8850	Mobile Command Center	2007-Freightliner MT-55, (RV)		260		hour	\$ 47.12
8851	Mobile Command Van	1990- Ford Econoline- Communication Van		230	Communication Equipment	hour	\$ 42.78
8852	Mobile Command Center	47.5' X 8.75 Fully Equip' (In motion) (RV)		410		hour	\$ 68.04
8853	Mobile Command Center	47.5' X 8.75 Fully Equip' (Stationary)		410		hour	\$ 45.89
8854	Mobile Command Vehicle	53' X 8.75 Fully Equip		480-550		hour	\$ 98.84
8870	Light Tower	Terex/Amida AL 4000. with (4) 500 watt lights	w/10kw power unit	13.5		hour	\$ 11.11
8871	Light Tower	2004 Allmand				hour	\$ 6.93
8872	SandBagger Machine	(Spider) automatic	w/Vibration & Conveyor Motors	2-4.5		hour	\$ 49.42
8900	Helicopter	OH-58 KIOWA (Military) is the same as "Bell-206B3		420		hour	\$ 467.00
8901	Helicopter	OH-58 KIOWA (Military) is the same as "Bell-206BR		420		hour	\$ 489.00
8902	Helicopter	Model Bell 206-L3 Jet Range Helicopter		650	Jet Range III-Helicopter	hour	\$ 575.00
8903	Helicopter	Model Bell 206L1 Long Ranger		650	Long Ranger	hour	\$ 585.47
8904	Helicopter	Model Bell 206LT Long Range Twinranger		450	Twinranger	hour	\$ 763.30
8905	Helicopter	Model Bell 407 EMS- Ambulance		250		hour	\$ 625.35
8906	Piper-Fixed wing	Model Navajo PA-31		310		hour	\$ 476.60
8907	Piper-Fixed wing	PA-31-350, Navajo Chieftn twin engine		350		hour	\$ 507.20
8908	Sikorsky Helicopter	Model UH-60 (Blackhawk) medium lift	Medium Lift	1890	Fire Fighter Same as S70C	hour	\$ 2,974.45
8909	Helicopter	Model UH-A (Blackhawk) Medium lift	Medium Lift	1890	Fire Fighter	hour	\$ 5,559.04
8910	Boeing Helicopter	Model CH-47 (Chinook) heavy lift	Heavy Lift	2850	Fire Fighter	hour	\$ 10,857.50
8911	Helicopter- light utility	Model Bell 407GX - 7 seater	7-Seaters	675	Passenger Aircraft	hour	\$ 620.38
8912	Helicopter- light utility	Modle Bell 206L- 7 seater	7-Seaters	420	Passenger Aircraft	hour	\$ 607.92
8913	Helicopter	Model Bell-206L4		726		hour	\$ 570.24
8914	King Air 200 Turboprop Aircraft	Blackhawk King Air B200XP61		669		hour	\$ 1,318.11
8915	Turboprops Blackhawk Aircraft	Blackhawk Caravan XP42 A		850		hour	\$ 738.12
8916	Turboprops Blackhawk Aircraft	King Air C90 XP135 A		550		hour	\$ 1,108.33
8917	Aerostar Piston Aircraft	Aerostar 601P		290		hour	\$ 466.67
8918	Bell UH -1H Huey Helicopter II	Engine:1 x Lycoming T53-L-11 turboshaft		1100	Travel Range 253 Nautical Miles	hour	\$ 1,376.74

8943	Wire Puller Machine	Overhead Wire Pulling Machine		30	Overhead/Underground Wire Pulling Machine	hour	\$	20.16
8944	Wire Tensioning Machine	3000 Lbs			Overhead Wire Tensioning Machine	hour	\$	14.84
8945	Aerial Lift - 20 Ft High	model 2008 Genie Scissor Lift	1000 Lbs		24 Volt	hour	\$	6.44



Agenda Briefing

Prepared by:	Michael J. Maloney, PE	Title:	Director
Department:	Public Works	Division:	Engineering
Date Prepared:	December 03, 2020	Meeting Date:	December 17, 2020
Legal Review	Elizabeth McLean via email	Date:	December 07, 2020
Budget Review	James Hayes via email	Date:	December 10, 2020
Finance Review	Stacey Hamm via email	Date:	December 07, 2020
Approved for consideration:	Assistant County Administrator	John M. Thompson, Ph.D., MBA, CPM	
Committee	Development and Services		
Subject:	Comprehensive Transportation Improvement Plan (CTIP) with Capital Improvement Project (CIP) budgets and proposed Projects for FY21		

STAFF'S RECOMMENDED ACTION:

It is recommended by County Staff that County Council approve the CTIP, the proposed budgets, and the proposed projects for FY21.

Request for Council Reconsideration: Yes

FIDUCIARY:

Are funds allocated in the department's current fiscal year budget?	<input checked="" type="checkbox"/>	Yes	No
If no, is a budget amendment necessary?		Yes	No

ADDITIONAL FISCAL/BUDGETARY MATTERS TO CONSIDER:

The projects will be funded by the approved Department of Public Works Capital Road Maintenance budget. Applicable projects that may be funded by the County Transportation Committee (CTC) grant will be removed from the Road Maintenance budget. The DPW will return to Council to expand the list of projects to match closely with the value funded by CTC. There should be no fiscal impact to Richland County's operating budget.

COUNTY ATTORNEY'S OFFICE FEEDBACK/POSSIBLE AREA(S) OF LEGAL EXPOSURE:

None applicable.

REGULATORY COMPLIANCE:

County Ordinance 21

MOTION OF ORIGIN:

Following the Council direction to staff following the May 04, 2020 Work Session, Council denied the motion for approval of the CTIP at the November 10, 2020, Special Called Meeting.

Council Member	
Meeting	County Council Work Session: Comprehensive Road Maintenance Program
Date	May 04, 2020

STRATEGIC & GENERATIVE DISCUSSION:

To date there is not a Transportation Improvement Program. The requested Council action will authorize our first program of this type. We have attached the second draft of the Comprehensive Transportation Improvement Program (CTIP) that was prepared as required by Chapter 21 of the Richland County Ordinances. This draft removed any roads recently brought in to the County Maintenance System through the Abandoned Roads program.

We propose to begin an annually planned road maintenance program. The roads undergo weathering, and various pavement wear and tear. We must keep up with the preservation of good condition pavements and replacement of the upper lift of more degraded pavement. This proposal funds the necessary capital maintenance items.

Approval of the CTIP, will enable the County Engineering to seek CTC funding to clear our Road Maintenance Fund to allow for a second wave of projects to bring before Council this year. The County Engineer will prepare Request for Proposals for construction projects after they are approved.

This proposal will improve the process of restoring and preserving roadway pavements by adding to the Penny program pavement replacements and adding preservation to asphaltic pavements. This will prevent costly reconstruction projects that become necessary if pavement conditions are ignored.

It is key to get this annual program started to prevent a delay in restoring pavement and reducing the capability of County staff to seek outside funding sources, particularly the C-funds. The pavement condition and driveability of pavement will remain fair to poor unless this program is executed.

ADDITIONAL COMMENTS FOR CONSIDERATION:

The plan integrates the list of projects being performed in FY21 by the Transportation Penny Department with the planned capital projects to be performed in FY21 by the Department of Public Works (DPW).

The DPW will review all road maintenance project plans to fulfill the distribution of projects throughout the Eleven County Districts. We foresee that our smaller capital budget as compared with the Penny will allow DPW to fill the needs in the roadway pavement replacements and pavement preservation throughout the County. Our goal is to achieve Council District distribution over a five year period.

Following this Council approval, the DPW will request approval of pavement replacement projects by CTC for release of C-funds. Any funding by C-funds will open our budget up to new projects. We plan to return in April for a second round of project(s) to include a recommendation for a sidewalk project and a dirt road paving project. A project may include a group of roads.

The approved FY21 budget will be used as follows:

First Approval from Council (Jan 2021):

1. Pavement Preservation \$850,000 (Budget Key 1216302000/532200)
2. Road Repair and Resurfacing \$1,450,000 (Budget Key 121630200/532200)

Second Approval from Council: (April 2021)

1. Sidewalk Construction \$350,000* (Budget Key 121630200/532200)
2. Dirt Road Design and Construction \$300,000* (Budget Key 121630200/532200)

*Conservative budgets are provided since these depend on the amount of C-funds we receive from CTC, the amounts may be higher. If the CTC funds 100% of our maintenance projects, we will have \$2,300,000 for the Second Approval before County Council, not just the \$650,000 shown above.

ATTACHMENTS:

1. Full CTIP Package – REVISED Road Maintenance selection



County Road Maintenance System (CRMS)

Fiscal Year 2021 Annual Comprehensive Transportation Improvement Program (CTIP)

Updated: December 2, 2020

References: (a) *Richland County Code of Ordinances*, Chapter 21
(b) Richland County Department of Public Works County Road Maintenance System Management Standard Operating Procedures, June 30, 2020

Enclosures: (1) RDM Maintenance Area road type / mileage breakdown
(2) County Council District road type / mileage breakdown
(3) IGA road type / small municipality / mileage breakdown
(4) Bridges / type / location
(5) Rail Crossings / type / location
(6) Traffic / crossing lighted signals
(7) Sidewalks

Section 1 – Introduction – For the first time in recent history, the Department of Public Works has embarked upon a coordinated effort to account for, document, maintain, and improve The Richland County Road Maintenance System (CRMS). This Fiscal Year 2021 Annual Comprehensive Transportation Improvement Program (CTIP) is the first of its kind and represents a point of departure for improved safety, quality, coordination, accountability, and organizational efficiency. Development of this plan is consistent with Chapter 21 of the *Richland County Code of Ordinances* (Reference (a)). We have also concurrently developed a Standard Operating Procedure (SOP) to guide us in our management of the County Road Maintenance System (Reference (b)) for maximum effect.

The Department of Public Works Staff share my excitement in embarking on this endeavor and in developing and instituting the procedures in order to track our efforts and improve upon our results. Though the challenges are many, we hope to establish a process-based approach that we will be able to build upon over time for the long-term betterment of our vital County transportation infrastructure.



Michael Maloney, PE
Director of Public Works

Section 2 – System Description – The Richland County Road Maintenance System (CRMS) is composed of road and road-related infrastructure that is, by assigned mission, or intergovernmental agreement (IGA), owned, and / or maintained by the Department of Public Works (DPW). Such infrastructure is, in some way, available for public use and represents a variety of levels of development, design, and construction source.

Section 3 – System Data:

<input type="checkbox"/> Road mileage (unpaved – Prescriptive Easement)	161 Miles
<input type="checkbox"/> Road mileage (unpaved – Right-of-Way)	48 Miles
<input type="checkbox"/> Road mileage (paved)	598 Miles
<input type="checkbox"/> Road mileage (paved – incoming ROW in-progress)	15 Miles
<input type="checkbox"/> RDM Maintenance Area breakdown	See Enclosure (1)
<input type="checkbox"/> County Council District breakdown	See Enclosure (2)
<input type="checkbox"/> IGA road mileage (by surface type / by small municipality)	See Enclosure (3)
<input type="checkbox"/> Bridges (by type and location)	See Enclosure (4)
<input type="checkbox"/> Rail Crossings	See Enclosure (5)
<input type="checkbox"/> Traffic and crossing lighted signals	See Enclosure (6)
<input type="checkbox"/> Sidewalk mileage	See Enclosure (7)

Section 4 – Programs / functions:

Department of Public Works

Roads & Drainage Maintenance (RDM)

- Citizen Service Request (CSR) response / Corrective maintenance (LOS) – CSRs originate with services requested through the County Ombudsman Staff. Responsibilities include the receiving and responding to requests for service and other related inquiries from County citizens. Typical level of activity is 6,000 CSRs received annually (500 per month). The typical backlog of pending CSRs, which varies by season, weather events, and other factors beyond Departmental control, is usually 100 or fewer.
- Emergency Response (LOS) – Requests of an emergent nature include: buried drainage pipe failure / cave in, downed STOP signs, animal carcasses within CRMS Right-of-Way and easements, potholes, leaning signs, manhole lids missing or askew, excess sand or grit on a paved road, tree hazard and downed tree in road must be assigned immediately, the hazard mitigated as soon as possible, and all work completed within two days.
- Force Account Projects (LOS) – Sometimes roads and drainage infrastructure deficiencies require more than routine maintenance to address. Multiple drainage pipe joint failures, undersized drainage pipes, failed drainage structures, and outdated infrastructure may require a level of engineering analysis and construction effort that exceeds basic levels of maintenance. The County Engineering and Stormwater Management Division Staffs work in close cooperation with the Projects Section of the Roads & Drainage Maintenance Division to design, manage, and construct smaller scale projects that support the CRMS. There is typically a backlog of eight projects of varying sizes and scopes.
- Preventive maintenance (LOS) – Maximize preventive maintenance (PM) of all types based on observations by employees in the field in order to ensure properly maintained infrastructure and reduce the need for CSRs.
- Sign maintenance (LOS) – Installation, maintenance and repair of street name signs throughout the Unincorporated County and IGA municipalities for all public and private roads and streets. Installation, maintenance and repair of directional and warning signs within the CRMS. Because of their vital nature, sign-related requests are always considered high priority.
- Street Sweeping (LOS) – Deploy the Street Sweeper for the removal of grit, sediment, and debris from the CRMS, County paved parking lots, and the Jim Hamilton – LB Owens Airport (CUB) pavement in order to preserve pavement, prevent debris from entering the drainage system, improve appearance, and control FOD. Achieve an employment goal of 40% (780 hours of operation over a 52-week period).

- Vactor Truck services (LOS) – Deploy the two Vactor Trucks in order to ensure that the drainage system, which supports the CRMS and area drainage, is free of blockages and debris. Priority of employment is: 1) Response to CSRs, 2) Preventive Maintenance (PM), and 3) Neighborhood drainage system maintenance as identified by the Stormwater Management Division. Achieve an employment goal of 40% (780 hours of operation per truck over a 52-week period).

Engineering (EGR)

- County Transportation Committee (CTC) – The Department of Public Works acts as the lead agency to coordinate with the County Transportation Committee (CTC). The CTC provides “C” Fund Grants for CRMS transportation projects to include:
 - Resurfacing
 - Sidewalk installation
 - Dirt Road Paving
 - Other Transportation ImprovementsSee the FY-21 through FY-25 Capital Improvement Plan (CIP) in Section 7 for specific projects in progress or planned for future construction. The Richland County Liaison to the CTC is the County Engineer.
- Pavement marking maintenance (LOS) – The Department of Public Works maintains a limited inventory of Pavement Markings throughout the County on some CRMS Paved Roads that meet the criteria for such markings. One Stop Service Requests will be investigated by Engineering Division Staff to evaluate the functionality and standard compliance along with condition and serviceability. Markings in need of installation, repair/replacement will be added to the annual Pavement Marking Maintenance List for repair/replacement by the On-Call Service Contractor. One Stop citizen notification and update shall be per Ombudsman Policy and Procedure. The current annual budget is \$15,000.
- Signal maintenance (LOS) – The Department of Public Works maintains an inventory of Traffic Signals and Flashing School Zone Lights. Both systems are managed by the Engineering Division Staff under the direction and supervision of the County Engineer, and once notified, shall investigate any device issues (Alignment, System Failures, Light Outage and Damage) that may affect Traffic Safety. On-Call Maintenance Contractors shall be available when required to make immediate needed repairs. Renewal of Contracts and Maintenance Budgets are required and must be updated on an as-needed basis. The current annual budget is \$5,000, but we anticipate the need for additional resources to cover additional lights being installed at Forum and Fashion Drive in Northeast Columbia.
- Traffic Calming – The Department of Public Works installs speed humps throughout the County on roads within the CRMS as well as certain SCDOT



maintained public roads. The installation of traffic calming devices shall be considered only when it has been determined by Engineering Division Staff that the roadway meets all criteria and after a petition and supporting documentation has been submitted for review. A Citizen Point of Contact (POC) shall be assigned to represent the neighborhood or subject street. The POC must be willing to serve as a contact person with whom DPW Staff can work throughout the traffic calming devices request process. Upon receiving the request, DPW Staff will perform a review of the subject street to ensure that the street meets all criteria referenced in the Traffic Calming Warrants. The Department performs traffic studies and installs approximately 15 speed humps per year.

- Unpaved Road Dust Suppression (LOS) – The Department of Public Works maintains an inventory of over 209 miles of Unpaved Roads. Application of Calcium Chloride for Dust Suppression on these roads reduces suspended dust particles that affect Traffic Safety and Property. An annual list of Roads is developed and staffed through the Engineering Division and the Roads & Drainage Maintenance Division and are sprayed with one application of Calcium Chloride by a contracted Road Treatment Service. The current annual budget is \$90,000 for approximately 80,000 gallons of application. This will treat approximately 50 miles of unpaved roads (nearly 25% of the unpaved portion of the CRMS).

Special Services (SS)

- Roadside Litter Pickup (LOS) – The Special Services Division employs Inmate Labor Work Crews to police public road Rights-of-Way to include the CRMS and SCDOT maintained roads.

Other County Departments

Transportation – Penny Department

Dirt Road Paving

Project 331 – Temporary hold

<u>Road Name</u>	<u>Council District</u>
□ Ashbury Street	07
□ Ollie Daily Road	01
□ Country Place Lane	10
□ Ravenbrook Road	10
□ Dry Branch Way	10
□ Robert McKenzie Road	10
□ Entzminger Road	02
□ Ruckerfella Lane	07
□ Goodwin Way	10

<input type="checkbox"/>	Sandhill Estates Road	10
<input type="checkbox"/>	Grant Road	11
<input type="checkbox"/>	Sassafras Road	07
<input type="checkbox"/>	Jackson Road	10
<input type="checkbox"/>	Smith Myers Road	10
<input type="checkbox"/>	Ken Webber Road	01
<input type="checkbox"/>	Smithcreek Road	10
<input type="checkbox"/>	Lacaya Road	02
<input type="checkbox"/>	South Scott Road	10
<input type="checkbox"/>	Larger Street	07
<input type="checkbox"/>	Spring Creek Road	10
<input type="checkbox"/>	Nathan Ridge Lane	10
<input type="checkbox"/>	Taylor Arch Road	10
<input type="checkbox"/>	Old Palmetto Circle	10
<input type="checkbox"/>	Twin Ponds Road	02
<input type="checkbox"/>	Sara Matthews Road	07

Project 417

<input type="checkbox"/>	Bow String Road	09
<input type="checkbox"/>	Pilgrim Church Road	07
<input type="checkbox"/>	Cornell Adams Run	11
<input type="checkbox"/>	Rosa Dowdy Lane	10
<input type="checkbox"/>	Davis Smith Road	07
<input type="checkbox"/>	Sam Dubard Road	07
<input type="checkbox"/>	Dogwood Shores Lane	11
<input type="checkbox"/>	Sandy Street	09
<input type="checkbox"/>	Faust Street	03
<input type="checkbox"/>	Snow Road	07
<input type="checkbox"/>	Governor Pond Road	07
<input type="checkbox"/>	Stone House Road	01
<input type="checkbox"/>	H L Clarkson Road	10
<input type="checkbox"/>	Tall Oaks Drive	01
<input type="checkbox"/>	High Valley Trail	07
<input type="checkbox"/>	Vallenga Road	09
<input type="checkbox"/>	Lake Dogwood Circle S	11
<input type="checkbox"/>	Wessinger Lane	07
<input type="checkbox"/>	Maggie Hipp Road	02
<input type="checkbox"/>	Wider Road	11
<input type="checkbox"/>	Melton Road	09
<input type="checkbox"/>	Wilson McCoy Road	10

Package “K” – Project 788

<input type="checkbox"/>	Robert James Road	10
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<input type="checkbox"/> Rocky Road	11
<input type="checkbox"/> Barkley Road	11
<input type="checkbox"/> South Drive	10

Road Resurfacing

Package “R” – Project 783,

Total 18.2 miles

<input type="checkbox"/> Ashleys Place	11	0.05 mi
<input type="checkbox"/> Averill Lane	1	0.36 mi
<input type="checkbox"/> Bedford Way	11	0.38 mi
<input type="checkbox"/> Belk Court	2	0.19 mi
<input type="checkbox"/> Bent Oak Court	7	0.03 mi
<input type="checkbox"/> Berkeley Forest Court	11	0.04 mi
<input type="checkbox"/> Berkeley Forest Drive	11	0.77 mi
<input type="checkbox"/> Bombing Range Road	9	0.95 mi
<input type="checkbox"/> Briercliff Dr	7	0.77 mi
<input type="checkbox"/> Bucktail Way	1	0.04 mi
<input type="checkbox"/> Candlewood Dr	11	0.54 mi
<input type="checkbox"/> Cardington Dr	11	0.73 mi
<input type="checkbox"/> Carolina Pines Dr	2	1.21 mi
<input type="checkbox"/> Columbia Club Dr E	9	0.90 mi
<input type="checkbox"/> Exton Shore Dr	11	0.47 mi
<input type="checkbox"/> Flowerwood Dr	11	0.18 mi
<input type="checkbox"/> Garner Lane	4	0.36 mi
<input type="checkbox"/> Greys Court	11	0.03 mi
<input type="checkbox"/> Harper Park Rd	2	0.07 mi
<input type="checkbox"/> Jadetree Court	11	0.05 mi
<input type="checkbox"/> Jadetree Dr.	11	0.36 mi
<input type="checkbox"/> Kildare Dr	11	0.06 mi
<input type="checkbox"/> Kip Court	1	0.04 mi
<input type="checkbox"/> Little Hampton Rd	1	0.19 mi
<input type="checkbox"/> Longtown Rd W	7/9	0.86 mi
<input type="checkbox"/> Mountainbrook Dr	11	0.42 mi
<input type="checkbox"/> Muirfield Court W.	9	0.15 mi
<input type="checkbox"/> Northpoint BLVD	2	1.23 mi
<input type="checkbox"/> Oak Knoll Dr.	2	0.40 mi
<input type="checkbox"/> Olde Springs Rd	3	0.53 mi
<input type="checkbox"/> Osbourne Lane	1	0.25 mi
<input type="checkbox"/> Padgett Woods Blvd	11	0.10 mi
<input type="checkbox"/> Pear Tree Cir	11	0.36 mi
<input type="checkbox"/> Prince Charles Ct	11	0.19 mi
<input type="checkbox"/> Radcot Ct	8	0.35 mi
<input type="checkbox"/> Ragsdale Dr	11	0.36 mi
<input type="checkbox"/> Raintree Ct.	11	0.42 mi



<input type="checkbox"/>	Raintree Lane	11	0.18 mi
<input type="checkbox"/>	Ramblewood Dr	1	0.24 mi
<input type="checkbox"/>	Redington Way	1	0.28 mi
<input type="checkbox"/>	Regeants Court	11	0.11 mi
<input type="checkbox"/>	Rosewood Dr	8	0.82 mi
<input type="checkbox"/>	Salisbury Lane	8	0.33 mi
<input type="checkbox"/>	Staffwood Ct.	1	0.04 mi
<input type="checkbox"/>	Staffwood Dr.	1	0.18 mi
<input type="checkbox"/>	S. Royal Tower Dr.	1	0.22 mi
<input type="checkbox"/>	Stonemedede Dr.	1	0.11 mi
<input type="checkbox"/>	Ventura Ct	8	0.10 mi
<input type="checkbox"/>	W. Royal Tower Dr.	1	0.74 mi
<input type="checkbox"/>	Winding Creek Lane	8	0.08 mi
<input type="checkbox"/>	Woodlands West	9	0.40 mi
<input type="checkbox"/>	Wyncliff Court	1	0.05 mi

Sidewalk Construction

<input type="checkbox"/>	Alpine Road (Two Notch Rd to Percival Rd)	03 / 08 / 10
<input type="checkbox"/>	Leesburg Road (Garners Ferry Rd to Semmes Rd)	11 (SCDOT)
<input type="checkbox"/>	Percival Road (Forest Dr to Decker Blvd)	06
<input type="checkbox"/>	Polo Road (Mallet Hill Rd to Alpine Rd)	08 / 09 / 10
<input type="checkbox"/>	Clemson Road (Two Notch Rd to Percival Rd)	09 / 10
<input type="checkbox"/>	Harrison Road (Two Notch Rd to Forest Dr)	03
<input type="checkbox"/>	Atlas Road (Fountain Lake Way to Garners Ferry Rd)	11
<input type="checkbox"/>	Bluff Road (Rosewood Dr to Beltline Blvd)	10
<input type="checkbox"/>	Broad River Road (Royal Tower Rd to Woodrow St)	01
<input type="checkbox"/>	Lower Richland (Rabbit Run Rd to Garners Ferry Rd)	11
<input type="checkbox"/>	Polo Road (Two Notch Rd to Mallet Hill Rd)	08 / 09 / 10
<input type="checkbox"/>	Sunset Drive (Elmhurst Rd to River Dr)	04
<input type="checkbox"/>	School House Road (Two Notch Rd to Ervin St)	03
<input type="checkbox"/>	Faraway Drive (E. Boundary Rd to Willoughby St)	08/10



Section 5 – Resources:

<input type="checkbox"/> Road Maintenance FY-19 Fund Balance (end-of-year actual)	\$10,094,500
<input type="checkbox"/> Road Maintenance FY-20 Fund Balance (end-of-year estimate)	\$11,074,500
<input type="checkbox"/> RDM FY-21 Operating Budget	\$ 7,811,200
<input type="checkbox"/> “C” Fund FY-19 Balance (end-of-year actual)	\$ 3,718,162
<input type="checkbox"/> “C” Fund FY-20 Revenue forecast (end-of-year estimate)	\$ 5,041,800



Section 6 – Goals:

DPW

- Interdepartmental coordination – Improve interdepartmental coordination with other stakeholders, especially the Transportation – Penny and Community Planning and Development Departments in order to ensure that Capital Improvements and Maintenance are effectively coordinated and newly constructed CRMS infrastructure is of sufficient quality.
- Maximize effective use of available capital resources – Aggressively plan for and pursue financial resources for capital maintenance and improvement to the CRMS through effective management of the CRMS Capital Improvement Plan (CIP) and active projects.

RDM

- Process Review – Continue to review and revise updates to establish business procedures and processes to ensure the best practices and performance levels are being implemented and executed.
- Organizational Review – Conduct a thorough review of the mission, organization, personnel, equipment, and budget of the Roads and Drainage Maintenance Division (RDM) in order to achieve the Most Efficient Organization (MEO).

EGR

- Capital Improvements – Prepare a Five-Year CRMS Capital Improvement Plan (CIP) for paving and resurfacing of County roads, installation of sidewalks, and other transportation improvements.
- Pavement Management System (PMS) – Solicit and procure a Consultant to perform pavement analysis on existing County paved roads to update the existing PCIs that were determined in 2015. Integrate Streetsaver software with new PCIs for use by DPW staff.
- Right-of-Way Acquisition – The Right-of-Way Administrator will acquire 75 roads into the CRMS, as well as accepting and processing deeds to roads from ten new subdivisions from the County’s new development process.
- Reduction of Railroad Crossings – Eliminate the Railroad crossing at Walter McCartha Road in Northwest Richland County.
- Right-of-Way Transfer – Transfer at least 50% of County-owned Road Right-of-Way (11.8 miles) from County Ownership to the small municipality in which they are located.



Section 7 – Capital Improvement Plan (CIP):

Item Description	FY21	Biennium		Biennium		Total
		FY22	FY23	FY24	FY25	
Roadway Repair-Design	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Roadway Repair- Construction	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000
Sidewalk Capital Improvement	\$350,000					\$350,000
Miscellaneous Road Improvements	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
Rollover from FY 2020	\$1,600,000					\$1,600,000
Pavement Preservation	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000
CTC - Resurfacing Roads	\$1,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$9,000,000
CTC - New Sidewalks	\$1,000,000	\$500,000	\$500,000	\$500,000	\$500,000	\$3,000,000
Road Resurfacing - (RM Fund)		\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$4,000,000
TAP Grant - New Sidewalk - EGR		\$100,000	\$50,000	\$100,000	\$50,000	\$300,000
TAP Grant - New Sidewalk - Const			\$1,000,000		\$1,000,000	\$2,000,000
Totals	\$5,000,000	\$4,650,000	\$5,600,000	\$4,650,000	\$5,600,000	\$25,500,000

See Section 4 – Programs / functions: Other County Departments / Transportation – Penny Department for planned Fiscal Year 2021 (FY-21) paving, resurfacing, and sidewalk construction projects planned by the Transportation – Penny Department.



FY21 Detailed Capital Improvement Plan (CIP):

Pavement Preservation – Budget \$850,000

<u>District 1</u>	Road SYs	Crack Seal LF	Road LF	Subdivision
Bamboo Grove Ct	1295	300	500	Lakeside at Ballentine
Baywood Ct	1515	372	620	Lakeside at Ballentine
Harbors Mist Dr	1015	249	415	Lakeside at Ballentine
Shores Edge Dr	1600	390	650	Lakeside at Ballentine
Water Pointe Ln	1100	270	450	Lakeside at Ballentine
Millplace Dr	7761	1270	3175	Milford Park
Millplace Lp	2567	630	1050	Milford Park
Cabin Dr	11244	2760	4600	Milford Park
Milford Park Dr	3295	809	1348	Milford Park
<u>District 2</u>				
Buckwood Dr	460	112	188	Hunters Run Ph3
Greyhound Ln	1269	312	519	Hunters Run Ph3
Grey Duck Ln	2848	699	1165	Hunters Run Ph3
Safari Way	953	234	390	Hunters Run Ph3
<u>District 3</u>				
Oakley Dr	3936	966	1610	Newcastle West
Oakley Ct	557	137	228	Newcastle West
Oakley Cir	895	220	366	Newcastle West
Sunnydale Dr	2635	647	1078	Newcastle West
Sunnydale Ct	504	124	206	Newcastle West
Saxonbury Dr	721	177	295	Newcastle West
Scarlet Ct	1589	390	650	Newcastle West
Catalina Ct	1345	330	550	Newcastle West
<u>District 6</u>				
Dean Hall Ln	2778	510	850	Hampton Trace
Rosebank Dr	3667	900	1500	Hampton Trace
Hampton Trace	6600	1620	2700	Hampton Trace



<u>District 7</u>	Road SYS	Crack Seal LF	Road LF	Subdivision
Ballbridle Ln	3915	960	1600	The View
Cabinteely Ct	370	90	150	The View
Glimerton Ct	860	210	350	The View
Gorebridge Ct	860	210	350	The View
Hillfoots Ct	440	108	180	The View
Stillorgan Ct	783	192	320	The View
View Dr	8600	2100	3500	The View
<u>District 8</u>				
Cold Branch Dr	22000	5400	9000	None
<u>District 9</u>				
Wood Duck Rd	6673	1638	2730	Wildewood
Holliday Rd	5866	1440	2400	Wildewood
Village Farm Rd	2250	555	925	Smallwood
<u>District 10</u>				
Abbott Rd	1907	468	780	Arthurtown
Bluff Industrial Blvd	5000	1080	1800	Arthurtown
<u>District 11</u>				
Saddlebrook Ln	18333	4500	7500	None

NOTE: Districts 4 and 5 contain no roads qualifying for Pavement Preservation.

Road Repair and Resurfacing – Budget \$1,450,000 plus possible CTC funds

<u>District 1</u>	Road LF	Subdivision
Steeple Ridge Rd	7155	Ascot
Laurent Way	4260	Ascot
Dunleith Way	1975	Ascot
Dunleith Ct	530	Ascot
Laurent Ct	645	Ascot
Cotting Ct.	375	Ascot
<u>District 2</u>	Road LF	Subdivision
Ramsgate Drive	1700	Broad River Estates
Rolling Hills Drive	1700	Kingswood
Rolling Hills Cr	130	Kingswood



<u>District 7</u>		
Abney Estates Drive	2200	Abney Hills
Valley Estates Drive	2670	Abney Hills
Winding Brook Loop	1100	Abney Hills
Abney Wood Court	325	Abney Hills
Hunters Run Dr	1215	Hunters Run
Bowhunter Dr	3482	Hunters Run
Bear Rock Dr	398	Hunters Run
Duck Pt	150	Hunters Run
Grouse Ct	150	Hunters Run
Labrador Dr	914	Hunters Run
Ranger Ln	242	Hunters Run
Coyote Ln	395	Hunters Run
<u>District 8</u>		
Hunters Pond Dr	6550	The Summit
Summit Parkway	7600	The Summit
<u>District 9</u>		
Summit Ridge	5700	The Summit
Fashion Drive	6000	Sandhills
Forum Drive	5300	Sandhills

New Sidewalk Construction – Budget \$350,000

The proposed new sidewalk project will be chosen in February, 2021 after requests have been vetted and ranked appropriately. Council will need to approve the selection before moving forward.

Dirt Road Design and Construction Improvement – Budget \$300,000

The proposed dirt road project will be chosen in February, 2021 after CTC approves maintenance projects. Transferring projects to CTC will alleviate the budget for a dirt road project. Council will need to approve the selection before moving forward.

